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September 6, 1949 Volume 626 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

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PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Trade-Marks	27—No.	443,333	to No.	443,359, inclusive
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T. M. Renewals	89			
Reissues	2—No.	23,144	to No.	23,145, inclusive
Plant Patents	2—No.	870	to No.	871, inclusive
Patents	661—No.	2,480,821	to No.	2,481,481, inclusive
Designs	53—No.	155,063	to No.	155,115, inclusive
Total	1,155			

Patents expiring: Patent Numbers 1,875,315 to 1,876,532, inclusive, issued September 6, 1922, expire September 6, 1949

Condition of Applications Under Examination at Close of Business Aug. 19, 1949

Total number of patent applications awaiting action, 147,245. Date of oldest new application, Sept. 11, 1947; date of oldest amended application, Mar. 6, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-7-46	10-1-47	2803
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-15-46	7-14-47	2004
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-19-49	2-24-49	360
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-14-46	8-11-47	2063
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	11-6-46	12-16-47	1415
6. SURLE, H., Carbon Chemistry (part)	11-4-46	7-29-46	1538
7. HANLIN, GEORGE, Optics; Photographic Apparatus	12-4-46	9-9-46	1346
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	12-12-47	8-6-47	2088
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-6-46	12-8-47	2201
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	10-1-46	9-2-46	1414
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-11-46	12-18-47	1982
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-7-46	10-22-47	1881
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	11-24-47	12-6-47	1917
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	11-13-46	6-24-46	1230
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-7-46	5-15-46	1783
16. LOVEWELL, N. N., Television; Telephony	11-19-46	7-16-46	1436
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	3-19-46	3-6-47	2000
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	6-14-46	1-31-46	2439
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	6-21-46	4-26-46	1639
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Sales; Canopies, Umbrellas and Canes.	7-27-46	1-7-46	2052
21. MADER, R. C., Textiles	6-20-46	5-5-46	1385
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	11-14-47	11-10-47	1647
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-3-46	9-10-46	1107
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	9-25-46	8-13-46	2308
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	11-20-46	2-26-46	1676
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	12-16-46	6-20-46	1186
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	3-4-46	8-23-47	2219
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	11-1-46	2-26-46	1910
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Wood-working; Tools.	1-14-46	12-15-47	2282
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange; Refrigeration; Illuminating Burners.	11-13-46	11-2-46	1673
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-13-46	12-9-46	2134
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-23-46	4-3-46	1742
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	2-20-46	1-14-46	2008
34. SAPPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	7-14-46	4-7-46	1145
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	6-20-46	5-15-47	2760
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-46	9-23-47	1964
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-2-46	5-28-46	1226
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	10-21-46	7-10-46	1716
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	9-2-46	9-12-47	2107
40. DRUMMOND, E. J., Receptacles (part); Packages	11-1-46	1-6-46	2000
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	10-22-46	9-7-47	2234
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	1-6-49	1-13-49	936
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-10-46	9-18-46	1172
44. HARVEY, L. P., Beds; Chairs, Seats	1-26-46	9-29-47	2209
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9-6-46	1-7-46	2533
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	4-26-46	11-26-47	1700

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,245. Date of oldest new application, Sept. 11, 1947; date of oldest amended application, Mar. 6, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	11-16-46	5-6-48	2055
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	11-26-46	4-14-48	1409
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	5-5-48	3-4-48	2321
50. LEVIN, SAMUEL, Synthetic Resins	12-23-46	9-17-48	1701
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	11-24-46	9-1-48	1556
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	7-28-46	11-3-47	3759
53. BRINDISI M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-8-48	2-4-48	1981
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	11-20-46	12-11-47	1320
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-19-46	6-26-48	1723
56. COCKERILL, S., Electrical and Wage Energy Chemistry, Paper Making; Liquid Separation or Purification	10-25-46	8-21-48	2016
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-20-46	6-20-47	2157
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	9-11-47	1-16-48	1751
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	10-18-46	7-21-48	1330
60. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-13-46	6-4-48	959
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	10-6-47	6-6-47	2798
62. SHAPIRO, A., (Acting), [illegible]es; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-21-48	10-23-47	2708
63. WINKELSTEIN, A. [illegible] Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-26-48	6-12-48	2224
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	1-15-49	1-11-49	1701
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	10-28-46	4-5-48	2284
66. LISANN, I., Geometrical Instruments	9-10-48	7-3-47	1885
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	11-19-46	5-26-48	1904
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	12-24-46	9-25-48	1413
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	11-26-46	9-12-47	2233
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-6-46	2-9-48	1659
DESIGNS: BREHM, G. L.	12-30-47	1-10-49	6802

Total number of trade-mark applications awaiting action (including renewals and republications), 28,898. Date of oldest new application, June 2, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 20, 31, 38, 44, 50	7-9-48	11-9-48	4529
2. KASCHUB, H. E., Classes 2, 36, 46	7-9-48	7-29-48	4122
3. SUMMERS, G. S., Classes 21, 23, 26	6-8-48	1-26-49	3707
4. BARR, E., Classes 3, 7, 30, 40, 41, 42, 43	6-2-48	8-30-48	4372
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 39, 45, 47, 48, 49	7-8-48	9-20-48	3615
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	8-28-48	10-1-48	4026
7. KEYS, O. M., Classes 16, 18, 55	8-4-48	8-9-48	2923
8. GEDIMAN, H. W. [Renewals / Republications] All Classes	6-8-49	7-1-49	446
	5-27-49	6-24-49	858

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LA LANDE, JR.

No. 5598. Decided June 28, 1949

[— F.2d —; 82 USPQ 195]

1. PATENTABILITY—METHOD—STEPS ALONE CONSIDERED.
In method claims, the step or steps alone are to be examined as to the patentability of claims in which they are set out.
2. SAME—PARTICULAR SUBJECT MATTER—METHOD OF REFINING SUGAR SOLUTIONS.
A claim to a method of treating a sugar solution *Held* properly rejected as reading directly on the disclosure of the reference patent.

APPEAL from the Patent Office. Serial No. 385,858.

AFFIRMED.

Herbert E. Birch for William A. La Lande, Jr.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant has taken this appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner finally rejecting claim 14 of an application for a patent, Serial No. 385,858, filed March 29, 1941, for "Method of Refining Sugar Solution." Twelve claims were allowed.

The involved claim, reading as follows:

> 14. The method of treating a sugar solution that has been decolorized with a chemical bleaching agent, which comprises contacting the solution at an elevated temperature and so containing returned color with a thermally activated bauxite.

was rejected as unpatentable over the cited prior art as follows: Sanchez, 1,989,156, January 29, 1935; Ioannu, 2,059,110, October 27, 1936; La Lande, 2,211,727, August 13, 1940.

The claim was rejected by the Examiner as reading directly on the disclosure of the Ioannu patent and also on the Sanchez patent, in view of the La Lande patent. The Board in its decision specifically affirmed the rejection by the Examiner upon the Ioannu patent but made no reference to the second ground of rejection. Because of our conclusion, it is only necessary to discuss the Examiner's first reason for rejection.

Appellant's application relates particularly to the treatment of washed sugar liquor, which consists of combining the starting material with a bleaching agent and an adsorbent comprising activated bauxite. There is described in the application a process of sugar refining, particularly a process for removing coloring material from the sugar. It is said that chemical bleaching agents decolorize the solution, but that the color returns to the solution particularly when heated. It is alleged that the invention of appellant is grounded on the discovery that activated bauxite will remove the returned color bodies, and that such removal renders the solution stable. It is stated in the application that the action of activated bauxite is unique as compared with other known adsorbents in the art. The chemical bleach and adsorbent treatment with bauxite may be made simultaneously or in sequence, the bauxite treatment being the second step.

The Ioannu patent relates to a process for making high grade saccharine products and refining of sugar. It is said to relate particularly to a process for the decoloration and purification of sugar liquors of any degree of purity. A process is disclosed for adding to the sugar solution a combination of reagents, one of which is said to liberate oxygen for oxidizing impurities in the solution and another, an agent capable of bringing about a coagulation of the impurities and to flocculate them. The oxidizing agent is said to be hypochlorites and the coagulating and flocculating agent is disclosed as aluminum salts, silicates, and phosphates. As a further treatment, there is a description in the patent of passing the sugar solution through adsorbent filters, one of which is said to be activated bauxite.

As may be readily seen from a reading of the rejected claim, the method set out therein is to take as a starting material, a sugar solution which has been decolorized chemically, and contacting it at an elevated temperature with thermally activated bauxite. Obviously there is but a single step in that process.

It is old to treat sugar solutions with activated bauxite, as clearly appears in the Ioannu patent. It is distinctly stated therein that such bauxite is active when applied to a sugar solution which has been decolorized by means of an oxidising chemical agent. We think it clear that one skilled in the art would be advised by the disclosure of the patent to use activated bauxite as an adsorbent following a chemical bleaching treatment. The treatment described in the patent is made at 50° C. to 60° C.

Counsel for appellant contends that the patentee does not set out his purpose or reason for employing activated bauxite. It seems to us, however, that because the patent clearly teaches the art the step of contacting a sugar solution at an elevated temperature with activated bauxite and urges the use of that material in preference to other adsorbents,

Vol. 626 • No. 1 Tuesday, September 6, 1949 Price $17.50 per year

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that there is nothing in appellant's rejected claim which can be considered as teaching the art anything new. In method claims, the step or steps alone are to be examined as to the patentability of claims in which they are set out. *In re Count*, 28 CCPA (Patents) 855, 81 F.2d 405, 28 USPQ 282, 465 O. G. 461.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE HALL

No. 5599. Decided June 28, 1949

[— F.2d —; 82 USPQ 207]

PATENTABILITY—PARTICULAR SUBJECT MATTER—ROTARY CYLINDER ABRADING TOOL.

Certain claims for a rotary cylinder abrading tool *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from the Patent Office. Serial No. 556,928.

AFFIRMED.

Louis A. Jones (*Lawrence G. Miller* and *Emery, Booth, Townsend, Miller & Weidner* of counsel) for Elisha W. Hall.

W. W. Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

In this appeal we are called upon to review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Primary Examiner, finally rejecting, as unpatentable over the prior art, claims 14 to 19, inclusive, of an application for a patent on "Rotary Cylinder Abrading Tool," Serial No. 556,928, filed October 3, 1944. Five claims have been allowed. The involved claims were also rejected by the Examiner as being broader than the invention. With respect to that rejection, the Board stated that it is not the general practice to reject claims in mechanical cases for that reason, citing *Ex parte Huber*, 50 USPQ 30, and *Ex parte McCarty*, 47 USPQ 145, both decisions of the Board of Appeals. We consider the statement by the Board as being equivalent to a reversal of that ground of rejection.

Claims 14 and 17 are illustrative of the rejected claims and read as follows:

14. In a wheel section to be combined with others to form a rotary cylinder abrading tool, the combination of a laminated hub composed of disks of alternately large and small diameter coaxially arranged and abutting face to face, layers of abrading material about the small disks and between the outer margins of the large disks, and bonding material which bonds said disks and said abrading material into a unitary mass, the margins of the large disks and the intervening abrading material being compressed and compacted in an annular zone which limits the extent of the bonding material.

17. In a rotary cylinder abrading tool, the combination of a set of annular bodies of abrading material, and a laminated hub composed of two sets of disks, one set of large diameter, and one set of small diameter, the large diameter disks alternating with the small diameter disks, the outer margins of the large diameter disks being separated by annular spaces which receive the inner margins of said annular bodies, and the inner edges of said annular bodies abutting against the perimeters of the small diameter disks.

The invention relates to the construction of buffing or abrading wheels, which comprise a centered perforated hub to be fitted to a mandrel, and composed of a plurality of two sizes of annular disks made of paper or chipboard, coaxially placed one on top of another alternately so that the cylinder thus formed contains a series of marginal grooves between the outer edges of the smaller disks and the outer edges of the larger disks. Each of the larger disks, with the exception of the outer ones, has a radial slit extending inwardly from its periphery, through which a helical strip of cotton cloth is passed. The edge of the cloth extends some distance beyond the larger diameter of the hub and forms the buffing or abrading face to be applied to the workpiece. The cloth passing through the slits occupies the annular grooves between the disks, pretreated with a synthetic resin, which by action of heat and pressure binds the disks and the intervening cloth into a unitary mass. Instead of the cloth being in helical form, it is stated in the application that the cloth layers may be in "separate and distinct pieces."

The references relied on are: Levett, 1,298,522, March 25, 1919; Hall, 2,027,863, January 14, 1936; Hall, 2,084,576, March 17, 1936; Melton et al., 2,355,667, August 15, 1944. The Hall patents are owned by the present applicant.

The patent to Levett relates to a buffing or polishing wheel. There is disclosed a buffing wheel which is formed by assembling a plurality of annular rings of cloth buffing material upon a laminated hub. The hub is preferably made up of a plurality of annular disks of different diameters, which are superimposed one upon another. The buffing cloth is wound around the core or hub at least once, and the smaller disks are encompassed by the larger disks.

The Hall patent, 2,027,863, relates to a ventilated buffing wheel and discloses a structure comprising a plurality of small annular disks alternating with larger annular disks, the larger disks consisting of fibrous anchoring disks, protective disks of canvas, and separators, preferably of steel, but which may consist of any suitable material. The smaller disks may be made of fibreboard or other materials. The abrading material is made up of a plurality of cloth layers in the form of disks, which are placed in the grooves between the hubs and the anchoring disks. It is said that the hub, cloth disks, anchoring disks, and protective disks may be made in the form of units which are then assembled on an arbor with separators between them.

The Hall reference, 2,084,576, relates to improvements in buffing wheels or buffing disks, but in view of our conclusion it is not necessary to discuss the structure of that patent.

The Melton et al. reference relates to an abrasive article and was cited as showing that the practice of impregnating the hub portion of a buffing wheel is old in the art.

Claim 14 was rejected as unpatentable over the Levett and Hall patents in view of the Melton et al. reference. Claims 15, 16, 17, and 19 were rejected as being fully met by either of the Hall references and by the Levett patent. Claim 18 was rejected as being fully met by the Hall patent, No. 2,084,576.

It may be stated that each of the five allowed claims provides for radial slits in the larger disks, extending inwardly from their peripheries, and that such limitation is absent from the rejected claims.

It is clear to us that the earlier Hall patent discloses a buffing wheel, comprising a laminated hub made up of disks of large diameter which alternate with others of small diameter, and that the interior edges of the annular cloth abrading material abuts against the perimeters of the small disks and is received between the large diameter disks, particularly as defined in rejected claim 17.

It seems to us that there is not much difference in the substance defined by the rejected claims. They all provide for the assembly of the same kind of unit made in substantially the same fashion.

Claim 14, in addition to reciting limitations clearly present in the Levett patent and the Hall references, recites "bonding material which bonds said disks and said abrading material into a unitary mass," which limitation can not lend patentability to the claim because of the disclosure in the Melton et al. patent of impregnating the various portions of a buffing wheel.

Claim 15 defines "two sets of layers of material abutting face to face and constituting a laminated hub provided with annular grooves between alternate laminae." We do not think that such limitation excludes the use of different kinds of disks, as hereinbefore described in the earlier Hall patent, because the structure is shown to have, in its assembled form, hub disks which alternate in a predetermined manner. Clearly the drawing in that patent shows a provision for annular grooves for receiving the layers of buffing or abrading material.

While claims 16 and 19 define the same structure as that defined in claim 15, but in different language, we think the reasons for rejecting claim 15 apply to those two claims.

A mere reading of claim 17 shows that the limitations thereof are fully met by either of the Hall references and by the Levett patent.

Claim 18 defines no bonding together of the elements into a unitary mass, but merely provides that the disks and the bodies are to be bonded by an adhesive. Since the earlier Hall patent teaches that the disks of the buffing wheel and the separators may be held against movement in any desired manner, the use of adhesive would certainly be obvious and not patentable over that reference.

In our opinion, the rejections of all of the claims as unpatentable over the prior art was proper, and the decision of the Board of Appeals, therefore, is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, J., was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE BRIGGS

No. 5498. Decided June 28, 1949

[— F.2d —; 82 USPQ 173]

1. PATENTABILITY — PARTICULAR SUBJECT MATTER — FILTER.

A claim to a filter comprised of wood fibers of substantially uniform size *Held* properly rejected and unpatentable over the disclosure of one of the cited references in view of another cited reference.

APPEAL from the Patent Office. Serial No. 455,467.

AFFIRMED.

Semmes, Keegin, Beale & Semmes (*Henry H. Semmes* and *Irvin S. Thompson* of counsel) for Southwick W. Briggs.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all the claims, Nos. 1, 3, 4, 6 to 10, inclusive, 16 and 17, in appellant's application for a patent for an alleged invention relating to filtration and more particularly to a filter mass adapted to the filtration of oil.

Appellant has moved to dismiss the appeal as to claims 1, 3, 6 to 10, inclusive, 16 and 17. That motion will be granted, thereby limiting the appeal to the single remaining claim 4, defined as follows:

4. A filter comprising a relatively compact but porous mass consisting primarily of individually discrete wood fibers of substantially uniform size, the fibers being coated with the natural cellulose coating in a practically intact condition and also carrying the middle lamella in a chemically unchanged condition, and means to pass the fluid to be filtered through said mass.

The following prior patents were cited as references by the tribunals of the Patent Office: Grandjean, 571,474, November 17, 1896; Mason, 1,663,504, March 20, 1928; Sweetland, 1,764,660, June 17, 1930; Asplund, 2,008,892, July 23, 1935; Orr, 2,148,708, Feb. 28, 1939; Mason, 2,260,078, May 11, 1937; Malanowski, 2,269,725, January 13, 1942.

Appellant's application discloses that the claimed filter mass is comprised of wood fibers preferably molded into the form of a block in a more or less felted condition, but if it is desired to form the pulp into felted sheets, the same may be done by any conventional paper making process. Appellant states that—

Claim 4 is more specific in reciting a filter comprising a relatively compact but porous mass consisting primarily of individually discrete wood fibers of substantially uniform size. This claim further recites that the fibers are coated with the natural cellulose coating in a practically intact condition. In addition, the claim recites that the fibers carry the middle lamella in a chemically unchanged condition. These limitations distinguish the claim from the prior art, none of which shows individually discrete fibers of substantially uniform size coated with the natural cellulose coating in a practically intact condition and carrying the middle lamella in a chemically unchanged condition.

In view of the present state of the record, a number of the references need not be discussed.

The patent to Swetland discloses a filter for use in internal combustion engine oil purifying systems, comprising a spirally-wound sheet of fibrous material. The specific fibrous material employed by the patentee is not the same as that defined in the claim on appeal, although the filter disclosed by Swetland is otherwise substantially identical with the filter claimed by appellant.

The patent to Asplund discloses a process for the production of pulp, used to make cardboard, wallboard, insulating board and similar products, from ligno-cellulose material, such as wood chips, wherein the chips are ground after being heated 20 to 40 seconds with steam at a temperature of preferably 212° F. to 390° F. The treatment of the wood in Asplund's process produces discrete wood fibers which retain their ligno-cellulose coating and acts to melt the middle lamella of the wood, but the temperature, as appellant admits in his brief, "is not high enough to have appreciable effect on the ligno-cellulose coating of the fibers." Asplund states that "The pulp produced according to this invention is of a very uniform character, virtually free from slivers and large fiber bundles."

The patent to Orr discloses, among other things, a fibrous filter medium for use in connection with fluids containing appreciable solid contents. The patentee states that in his investigations he found insulating boards, available on the open market, "have the necessary characteristics to render them suitable for use as filter media."

Appellant in his specification refers to the cited Asplund patent, as well as to two other Asplund patents, as disclosing deliberators by the use of which appellant's material can best be procured.

The Examiner rejected claim 4 as unpatentable over the disclosure of the patent to Swetland in view of the disclosure of the patent to Asplund. The Board of Appeals, after summarizing the disclosures of cited art of record and comparing them with the disclosure upon which appellant based his claims, affirmed the decision of the Examiner, and in so doing stated:

* * * We do not consider that the mere use in a filter of wood pulp made by one process for that made by another process constitutes invention. The porosity of the filter and the length of the fibers, * * * is not considered to be anything more than a matter of degree and choice. * * *

Considering the facts hereinbefore set forth, as well as all facts disclosed in the record, we find that we are in agreement with the decision of the Board of Appeals affirming that of the Examiner for the reasons stated.

In view of that conclusion, it is deemed unnecessary to discuss other points raised by counsel. The appeal as to claims 1, 2, 3 to 10, inclusive, 16 and 17 is dismissed and the decision of the Board of Appeals with respect to claim 4 is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE DOLL

No. 5188. Decided June 26, 1940

[— F.2d —; 52 USPQ 186]

1. PATENTABILITY—DOUBLE PATENTING—SPECIES.
   An applicant may not have two patents on species which are not patentably distinct from one another and when only one inventive concept is present.
2. SAME—SAME—SAME.
   Where the instant application is a continuation-in-part of appellant's prior application, which matured into a patent containing a generic claim and claims directed to three species, and where the appealed claims are to a fourth species disclosed but not claimed in the parent application, *Held* that, since the species of the invention here in issue is not patentable over generic claims of appellant's patent, allowance of the appealed claims would result in double patenting.
3. SAME—PARTICULAR SUBJECT MATTER—WELL LOGGING METHOD AND APPARATUS.
   Certain claims to a method and apparatus for investigating earth formations traversed by a bore hole *Held* properly rejected on the ground of double patenting.

APPEAL from the Patent Office. Serial No. 435,955.

AFFIRMED.

Campbell, Brumbaugh, Free & Graves (*Worthington Campbell* and *John E. Dumaresq* of counsel) for Henri-Georges Doll.

W. W. Cochran (*H. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all the claims, Nos. 6, 8, 9, and 10, in appellant's application for a patent for alleged new and useful improvements in "Well Logging Method and Apparatus."

Claim 10 is representative of the appealed claims. It reads—

10. Apparatus for investigating earth formations traversed by a bore hole comprising a plurality of spaced apart electrodes movable electrically along the bore hole, means for supplying electrical energy to a ground point and alternately and in conducting connection to two of said electrodes during a single traverse of said bore hole, thereby alternately creating at least two electrical fields in the surrounding formations, and means for obtaining indications of the potential differences produced by said electrical fields between a ground point and a third of said electrodes spaced unequally from said two electrodes.

Appellant's application relates to an apparatus and method for determining the geologic nature of the successive layers of the earth's formations by means of electrodes lowered into a bore hole containing a column of liquid. The disclosed apparatus consists of a plurality of electrodes immersed in the liquid in the hole; namely, a potential electrode, connected in series with a recorder, and a pair of power electrodes which are spaced apart from each other and spaced apart from the potential electrode. The two power electrodes are alternately connected by means of a conventional type commutator to a source of electrical energy, one terminal of which is grounded at the surface of the earth. The two different electrical fields set up in the formations surrounding the bore hole, when the two power electrodes are alternately energized, impress a potential upon the described potential electrode which, as noted in the specification, is known to be a function of the electrical resistivity of the adjacent earth's formations.

The instant application, filed March 24, 1942, is a continuation-in-part of appellant's prior application, Serial No. 190,632, which was issued as Patent No. 2,317,269 on April 20, 1943. The parent application, as correctly described in appellant's brief, disclosed a number of species of the invention, including the single species to which the appealed claims are drawn, and the Patent Office therein allowed a generic claim and claims directed to three elected species. Appellant filed the present application including the appealed claims to cover a fourth one of the species disclosed but not claimed in the parent application. There is no dispute that the appealed claims could have been presented in the parent application had appellant elected to do so.

The Examiner rejected the claims on a multiplicity of grounds but the only rejection by him which was affirmed by the Board was that based on double patenting for the stated reason that the appealed claims are not patentably distinct from claims 5 and 6 of appellant's prior patent, No. 2,317,269. It is therefore unnecessary to consider any other reference cited by the tribunals of the Patent Office.

Appellant emphatically contends in his brief that inasmuch as "All of the patent claims cover systems having one current electrode and two potential electrodes, whereas the appealed species uses two current electrodes and one potential electrode," none of the patented claims is readable in terms on the species defined in the appealed claims, and upon these facts appellant can now successfully claim the species here in issue, citing *In re Karl E. Peller*, 18 CCPA (Patents) 1102, 48 F.2d 405, 8 USPQ 521, 409 O. G. 841.

[1] The language quoted by appellant from the case upon which he relies is not in point here. It is stated in that decision that an appellant "may have separate valid patents as he makes patentable inventions." Clearly that statement does not, however, constitute a holding by this court that, contrary to the rule which the court has uniformly followed, an applicant may have two patents on species which are not patentably distinct from one another and when only one inventive concept is present. *In re Jennings*, 35 CCPA (Patents) 1163, 167 F.2d 1014, 77 USPQ 618, 613 O. G. 1068.

The difference between the species defined in claims 5 and 6 of appellant's patent and the species defined in the appealed claims merely involves an obvious reversal of the manner of applying the electrical energy to the respective classes of electrodes, with no difference in the final result, and the Board in its decision correctly held:

* * * The equivalency of the two species is apparent from the manner in which they were disclosed in the parent application and we are of the opinion that it is patentably immaterial whether the power is supplied to the current electrode and the recording meter is alternately switched between two potential electrodes as shown and claimed in appellant's patent or whether the energy is alternately applied to spaced apart current electrodes and the recorder is connected in the potential electrode circuit as claimed herein.

Counsel for appellant contend in their brief that "the rejection of the appealed claims in the continuing application as not distinguishing patentably from the claims in Patent No. 2,317,269 addressed to other species is, we submit, a rather technical ground of rejection."

[2] With respect to that contention, the court concludes upon the facts presented that the species of the invention here in issue is not patentable over generic claims of appellant's patent, and that the allowance of the appealed claims would result in double patenting and the extension of appellant's patent monopoly by a number of years. Accordingly, it is our opinion that the decision of the Board in the rejection of the instant claims was a proper decision under the authorities hereinabove cited and under the authority of such cases as *In re Ward*, 22 CCPA (Patents) 1292, 180 F.2d 896, 85 USPQ 317, 551 O. G. 355; *In re Lolachew*, 24 CCPA (Patents) 765, 105 F.2d 269, 72 USPQ 110, 507 O. G. 457; *In re Kergl et al.*, 24 CCPA (Patents) 905, 180 F.2d 584, 73 USPQ 229, 602 O. G. 672.

[3] In view of the conclusion hereinbefore expressed, it is deemed unnecessary to discuss other points presented by counsel, and the decision of the Board of Appeals is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE ADRIAN

No. 5206. Decided June 26, 1940

[— F.2d —; 52 USPQ 194]

1. PATENTABILITY—DESIGNS—INVENTION.
   Though the Patent Office concedes the novelty of appellant's design, *Held* that mere novelty does not establish patentability, and that in order to be patentable, an applicant's design must have involved the exercise of the inventive faculty to produce it.
2. SAME—SAME—ATTRACTIVENESS.
   Though appellant's design when considered as a whole with the respective disclosures of the prior art may be more attractive and pleasing to the eye than that of any one of them, *Held* that appellant's design did not in its creation involve invention.
3. SAME — PARTICULAR SUBJECT MATTER — DESIGN FOR LENS PANEL FOR LIGHTING FIXTURE.
   Held that the decision of the Board of Appeals rejecting appellant's application for a patent for a design for lens panel for lighting fixture as non-inventive, is affirmed.

APPEAL from the Patent Office. Serial No. D-116,959.

AFFIRMED.

Cromwell, Greist & Worden (*Franklin B. Gault* and *R. Clyde Craig* of counsel) for William M. Adrian.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirm-

ing the decision of the Primary Examiner rejecting appellant's application for a patent for an alleged invention relating to a design "For Lens Panel for Lighting Fixture."

The rejected claim reads:

The ornamental design for a lens globe for a lighting fixture substantially as shown.

Appellant in his drawing discloses an ornamental globe and lens panel design for an incandescent type lighting fixture. The design includes a hollow, circular panel of substantial depth in the direction of its circular axis. The center of the panel is transparent and in the shape of a convex lens, with a circular bead projecting downwardly and surrounding the circular lens.

The references are: Arenberg, D-104,233, April 27, 1937; Arenberg, D-118,359, January 2, 1940; Arenberg, D-120,773, May 28, 1940; Zimmerman, 2,323,697, July 6, 1943.

Each of the patents to Arenberg (Nos. 104,233 and 118,359) discloses a combined globe and panel for a lighting fixture including a circular or oval lens in a square or an oblong globe, respectively.

Each of the patents to Zimmerman or Arenberg (No. D-120,773) shows an angular beading around the outer edge of a bulls-eye lens in a combined globe and panel for a lighting fixture.

In its decision affirming the decision of the Primary Examiner, the Board of Appeals, among other things, said with respect to appellant's disclosure and the disclosures of the art of record:

Appellant stresses the peripheral circularity of his lighting panel. However, circular panels are well known in the art and it would not be invention to make any of the fixtures circular instead of angular nor to add the downwardly directed bead to Arenberg D-104,233. Adaptation of a circular contour to the reference design is regarded as an obvious expedient leading to an obvious type of design.

Counsel for appellant emphatically contend in their brief that the conclusion of the Board hereinbefore described was totally unjustifiable and that

The error was in mistaking the fact that, though there have undeniably been many circular lighting fixtures, considered generally, nevertheless in the special and highly developed field of lens panel design the concept of concentric circularity of the details of a deep, drum-like unit was unheard of until applicant came along.

The Board overlooked entirely the distinctive proportioning of areas of the claimed design, quite dissimilar to anything in the prior art. * * *

[1] The Solicitor for the Patent Office concedes the novelty of appellant's design but correctly contends that mere novelty does not establish patentability and that in order to be patentable, an applicant's design must have required the exercise of the inventive faculty to produce it. *In re Jackson*, 21 CCPA (Patents) 1128, 70 F.2d 919, 21 USPQ 583, 447 O. G. 998; *In re Franck*, 30 CCPA 1235, 136 F.2d 711, 58 USPQ 479, 556 O. G. 547. See also *In re Griffith*, 24 CCPA (Patents) 718, 86 F.2d 405, 31 USPQ 383, 474 O. G. 699, and cases therein cited.

[2] Appellant's design when compared as a whole with the respective disclosures of the prior art may be more attractive and pleasing to the eye than that of any one of them. However, we agree with the conclusions of the tribunals of the Patent Office that appellant's design did not in its creation involve invention.

[3] In view of that conclusion, it is deemed unnecessary to further discuss other points raised in the arguments of counsel, and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

SMITH *v.* BABBITT

No. 6315. Decided June 23, 1949

[— F.2d —; — USPQ —]

1. TRADE-MARKS—OPPOSITION—DOMINANT PART OF MARKS IDENTICAL—REGISTRABILITY.

Where the words by which the goods of the parties would be known and called for are identical, and these words are the dominant part of each of the marks, *Held* that the statute prohibits the registration of the mark as against the prior user thereof on goods of the same descriptive properties.

2. SAME—GOODS OF THE SAME DESCRIPTIVE PROPERTIES—POT CLEANERS AND SCOURING POWDER.

Where appellant's pot cleaners here in issue are such as would be usually and normally purchased by housewives for use in the kitchen in cleaning and scouring pots and pans and for the same purpose as appellee's cleaning and scouring powder, *Held* that the goods are of the same descriptive properties.

3. SAME—SAME—JUDICIAL NOTICE.

Where appellant contends that appellee offered no evidence to the effect that washing powders and pot cleaners are frequently purchased through the same channels and used together at the same kitchen sink for the same general purpose, *Held* that judicial notice may be properly taken to that effect.

4. SAME—CONFUSION—"RED DEVIL" AND "RED DEVIL CLEANSER."

Held that the decision of the Commissioner of Patents sustaining appellee's notice of opposition to the registration of the term "Red Devil" as a trade-mark for bodies of metallic abrasive elements, based upon the trade-mark "Red Devil Cleanser," "cleanser" being disclaimed, for cleaning, scouring and washing powder, is affirmed.

APPEAL from the Patent Office. Opposition No. 24,211.

AFFIRMED.

Walter C. Ross (*William L. Edmonston* of counsel) for Landon P. Smith, Inc. (by change of name, Red Devil Tools).

Emery, Varney, Whittemore & Dix (*Manuel Whittemore, Charles F. Miller, Jr.*, and *Edmund H. Parry, Jr.*, of counsel) for B. T. Babbitt, Inc.

O'CONNELL, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents, 75 USPQ 143, affirming the decision of the Examiner of Interferences sustaining appellee's notice of opposition to the registration of the term "RED DEVIL" as a trade-mark "for Bodies of Intermingled Metallic Ribbon-Like Abrasive Elements for Hand Use for Cleaning and Scouring Metallic and Other Surfaces" which include a metal body, copper colored pot cleaner.

A petition for reconsideration of his decision was denied by the Commissioner.

Appellee's opposition was based upon the alleged ownership of its trade-mark consisting of the notation "RED DEVIL CLEANSER," above which appears the pictorial representation of a red devil and above to the left of which appear, in small print, the words "Show Me the Dirt," for use as a cleanser or cleaning, scouring, or washing powder. The word "cleanser" was disclaimed.

Appellant alleged continuous use of its mark on the described goods since June 1937. The earliest registration of the mark upon which appellee relied was issued January 5, 1926, upon an application filed August 3, 1925. That registration was renewed January 5, 1946.

Appellant took testimony and its testimony and the exhibits of the parties in the said opposition proceedings were made part of the present record. Appellee took no testimony but introduced certain documents as exhibits in accordance with a written stipulation between the parties. Each of the parties filed a brief and was represented at final hearing.

It is conceded by counsel for appellee that appellant had engaged in the hardware business and used its mark on numerous articles, not related to the goods here in issue, prior to the use by appellee of its mark on the instant goods. In that aspect of the case, the record discloses a letter, appellee's Exhibit No. A, written to appellee by appellant on March 9, 1936, which embodied an agreement for the settlement of certain prior oppositions brought by appellee against appellant and provided for the future and concurrent use of the trade-mark "Red Devil" by the respective parties on any of appellant's goods which were not like the goods then sold by appellee. That letter, however, has been in nowise relied upon by the tribunals of the Patent Office nor by counsel for the parties to this appeal.

Appellant argues that the involved marks are not confusingly similar; that the goods do not possess the same descriptive properties; and that appellee has not sustained its burden of proof.

[1] The court is unable to agree with appellant's contention that the distinguishing and dominant features of appellee's mark consist of the pictorial representation of the outstretched arms of the depicted devil holding a can and a brush, and the words "Show Me the Dirt" and "Cleanser." The word "cleanser," as hereinbefore stated, has been disclaimed by appellee apart from the mark, and in a legal sense the words "Show Me the Dirt" are mere surplusage. The goods of the parties would be known and called for by the words "Red Devil." Those two words are identical with the two words for which appellant seeks registration and are the dominant part of each of the marks. Accordingly, the statute prohibits the registration of the mark as against the prior user thereof on goods of the same descriptive properties. *Skol Company, Inc.* v. *Olson*, 33 CCPA (Patents) 715, 151 F.2d 200, 67 USPQ 96, 532 O. G. 491.

[2] The evidence in the record discloses that appellant had previously used the mark containing the notation "Red Devil" on various tools for various trades, such as putty knives, wall-scrapers, wood-scrapers, and the like, which would be normally purchased and used by painters, paper hangers, carpenters, and other tradesmen, whereas appellant's pot cleaners here in issue are such as would be usually and normally purchased by housewives for use in the kitchen in cleaning and scouring pots and pans and for the same purpose as appellee's cleaning and scouring powder. The Examiner and the Commissioner of Patents were clearly of that opinion, and both concluded that appellant's pot cleaners and appellee's powders might well be used for the same household chores and held accordingly that the instant goods are of the same descriptive properties.

We are compelled to agree with the holding of the tribunals of the Patent Office hereinbefore described as well as their holding that, since appellee was the first to use the mark on the class of goods here in issue, appellant's registration of the mark is prohibited by the mandate of the statute. *United Battery Mfg. Co., Ltd.* v. *United Metal Box Co., Inc.*, 24 CCPA (Patents) 1220, 90 F.2d 260, 33 USPQ 614, 485 O. G. 515; *Oppenheim, Oberndorf & Co., Inc.* v. *President Suspender Co.*, 3 F.2d 33.

Appellant's contention that the use of the mark "Red Devil" on pot cleaners occurred in the normal expansion of its business and that, accordingly, appellant is entitled to the registration of the mark prior to the registration of appellee's mark is not a valid contention, under the circumstances of this particular case. *In re Continental Motors Corp.*, 30 CCPA (Patents) 1054, 135 F.2d 1017, 57 USPQ 550, 554 O. G. 4.

[3] With respect to appellant's contention that appellee offered no evidence to the effect that washing powders and pot cleaners are frequently purchased through the same channels and used together at the same kitchen sink for the same general purpose, we agree with the holding of the Commissioner of Patents that judicial notice may be properly taken to that effect.

[4] In view of the conclusions hereinbefore expressed, we deem it unnecessary to discuss other points raised by counsel for the respective parties, and the decision of the Commissioner of Patents is accordingly affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE GILLETTE

No. 6393. Decided June 23, 1949

[— F.2d —; 82 USPQ 197]

1. PATENTABILITY—INVENTION—COMMERCIAL SUCCESS.

Held that commercial success is of no patentable significance unless the question of invention otherwise be in doubt.

2. SAME—PARTICULAR SUBJECT MATTER—SELF-LOCKING NUT.

Certain claims for a self-locking nut *Held* properly rejected as not involving invention in view of the prior art.

APPEAL from the Patent Office. Serial No. 467,143.

AFFIRMED.

Mason, Porter, Diller & Stewart (*George T. Gill* and *Charles J. Diller* of counsel) for Edward H. Gillette.

W. W. Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in finally rejecting claims 1, 10, and 11 of appellant's application for a patent for a self-locking nut that cooperates with a standard threaded stud or bolt for securing two or more elements in assembled relation. Claim 6, drawn to a single species of the nut, has been allowed.

Claims 1 and 11 are considered illustrative and read as follows:

1. A self-locking nut including in combination a standard type metal nut member having a polygonal exterior configuration and a threaded opening therethrough, an elastic locking member of like polygonal external configuration and having an opening therethrough less in diameter than the major diameter of the thread of the nut member, and a cup-shaped sheet metal casing having an aperture in its bottom and being of a configuration substantially complementary to that of the nut and locking members and snugly receiving both of them, said casing having means extending inwardly over one of said members toward the axis of said openings and securing the nut and locking members together, the configuration of the casing in cooperation with the configurations of said nut and locking members serving to prevent relative rotation between them.

11. A self-locking nut for use in connection with a uni-directionally threaded bolt and comprising three elements permanently assembled in relatively immovable relation as an entity, one element being a casing in the form of a sheet-metal cup having a base provided with an aperture and an upstanding external side wall of polygonal shape for engagement by a wrench or other tool for turning purposes, the other two elements being a standard type metal nut member of uniform thickness and polygonal external configuration with its flat external faces extending from end to end of said nut member and an elastic locking member of like polygonal external configuration having its sides in alinement with the nut member sides, said nut member being provided with an axial aperture threaded to engage the bolt thread and said locking member having an opening to receive the bolt with the bolt thread engaging said locking member along a thread running in the same direction as the thread in the nut member aperture, said casing being of internal polygonal configuration complementary to the external configurations of said nut and locking members and entirely surrounding and containing both said members, and tabs integral with the casing wall and bent inwardly over the inserted nut and locking members so as to hold them within the casing, the internal configuration of the casing in cooperation with the external configuration of said nut and locking members serving to effect simultaneous rotation thereof upon rotation of the casing by a wrench or other suitable tool to apply the assembly to the bolt.

The concurring decisions of the Primary Examiner and the Board of Appeals held that the appealed claims defined no patentable invention over the following references: Steele, 782,079, February 7, 1905; Rennerfelt (British), 236,805, February 19, 1925; Ferry, 1,737,880, September 10, 1929; Mitchel, 1,761,268, June 3, 1930; Simmonds et al. (British), 461,688, February 22, 1937.

The appealed claims relate to a self-locking nut, consisting of a hexagonal, cup-shaped case, a metal internally threaded nut having a hexagonal outer configuration, and of a size to fit snugly within the case; and a resilient, hexagonal washer having an unthreaded opening therethrough of a diameter less than the major or root diameter of the thread of the nut. The nut is placed and seated in the case with the opening therethrough axially aligned with the opening in the case. The washer is placed in the case and seated against the nut. The opening in the washer is aligned with the opening through the nut. The scalloped end projections of the case are turned in and flattened against the surface of the washer. The case holds the nut and washer together and restrains relative axial and rotational movement thereof. When the nut is threaded on a bolt, the bolt embosses its thread in the washer which grips the bolt and thereby is locked against dislodgement by vibration or otherwise.

The Simmonds et al. patent for a self-locking nut discloses,

> • • • an elastic inset provided with a hole of less diameter than the maximum diameter of the screw-threads of the nut is housed within a suitably-shaped casing that is secured to the nut body in axial alignment, so that, when the nut is screwed onto a screw, the elastic inset and its casing move with the nut body and the threads of the screw penetrate into the elastic inset.
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> The casing may be secured to the nut body in any suitable manner. • • • part of the casing is forced inwardly into engagement with one or more recesses provided in the outer wall of the nut body. • • • an end portion of the nut body may be formed with a cylindrical wall having a circumferentially-extending groove or recess into which the edge portion of the casing is forced to secure the casing to the nut body. • • •
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> • • • • • • •
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> The outer wall of the casing may, if desired, be of hexagonal or other suitable shape in cross-section, or it may be in part circular and in part of hexagonal or other shape. Where parts of the casing and nut body are hexagonal, such parts should be arranged in register with one another so as to form continuous flat surfaces and thus enable the nut body and casing to be simultaneously engaged by the operative faces of a key or spanner. • • •

The patents to Rennerfelt, Ferry, and Mitchel show that it is old to enclose fully a single nut element in a sheet-metal casing.

The patent to Steele shows that it is old to enclose two nut members of a similar size and of hexagonal periphery in a sheet-metal casing.

[1] Appellant has made numerous allusions to the commercial success of the alleged invention; however, commercial success is of no patentable significance unless the question of invention otherwise be in doubt. There is no doubt here. It is our view that it would not involve invention to encase the entire nut and lock washer of the Simmonds et al. patent in the manner taught by the other references cited herein.

[2] For the reasons herein stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

HATFIELD, *J.*, by reason of illness was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,655,391, K. E. Peller, Method of and apparatus for feeding molten glass; 2,073,572, same, Feeding molten glass; 2,073,571, T. C. Steimer, Glass working apparatus; 2,073,573, same, Glass feeding mechanism, D. C. Del., Doc. 554, *U. S. A.* v. *Hartford Empire Co.* Consent decree July 22, 1949.

1,838,511, W. C. Wilson, Device for cleaning air; 1,838,512, same, Method of cleaning air; 1,838,513, same, Air cleaner, D. C., N. D. Ill., E. Div., Doc. 48c1398, *W. C. Wilson* v. *General Motors Corp.* Order on stipulation, cause dismissed Aug. 4, 1949.

1,838,512. (See 1,838,511.) 1,838,513. (See 1,838,511.)

1,886,548, 1,990,943, Horn & Lissman, Means for treating gases; 1,909,184, M. A. Lissman, Centrifugal separator, filed Aug. 3, 1949, D. C., N. J. (Trenton), Doc. 674/49, *International Precipitation Co.* v. *Precipitation Associates of America.*

1,909,184. (See 1,886,548.)

1,921,368 (a), P. J. Massey, Method of coating paper, filed Aug. 3, 1949, D., C. E. D. Wis. (Milwaukee), Doc. 4782, *Consolidated Water Power & Paper Co. et al.* v. *Kimberly-Clark Corp.*

1,921,368 (b), 1,921,369, P. J. Massey, Method of coating paper, filed May 3, 1947, D. C., E. D. Wis. (Milwaukee), Doc. 4373, *Consolidated Water Power & Paper Co. et al.* v. *Kimberly Clark Corp.*

1,921,369. (See 1,921,368 (b).)

1,935,596, E. D. Fear, Method of increasing the food value of frozen comestibles, filed July 19, 1949, D. C., W. D. Pa., Doc. 7989, *De-Reef Corp.* v. *Horner Sales Corp.*

1,938,548, H. E. Tauts, Machine table extension; 1,963,688, same, Hollow fence bar and process of making same, D. C., W. D. Pa., Doc. 7318, *The Emerson Electric Mfg. Co.* v. *Rockwell Mfg. Co.* Decree of dismissal without prejudice July 19, 1949.

1,963,688. (See 1,938,548.) 1,990,943. (See 1,886,548.)

1,997,995, J. R. Bowen, Brassiere, D. C., N. D. Okla. (Tulsa), Doc. 2178, *Hollywood-Maxwell Co.* v. *Street's of Tulsa et al.* Claims 1, 2, and 3 held invalid for lack of invention; suit dismissed July 21, 1949.

2,052,221, W. J. Dubil, Method of preparing fresh meat, D. C., S. D. Calif. (Los Angeles), Doc. 8649-Y, *W. J. Dubil et al.* v. *Kayford Camp & Co. et al.* Patent held invalid and not infringed, complaint, amended complaint, and counterclaim dismissed (notice Aug. 4, 1949).

2,073,571. (See 1,655,391.) 2,073,572. (See 1,655,391.)

2,073,573. (See 1,655,391.)

2,115,119, T. S. Park, Grip for sport club, filed Aug. 2, 1949 D. C., S. D. Calif. (Los Angeles), Doc. 10096-Y, *Los Angeles Processing Co.* v. *Sport Products, Inc., et al.*

2,207,903, M. B. Strause, Dry grater, filed Aug. 4, 1949, D. C., W. D. N. Y., Doc. 4268, *M. B. Strause* v. *Tassiopulos.*

2,247,796, H. S. Ackerman, Heating boiler, filed July 19, 1949, D. C., W. D. Pa., Doc. 7990, *Hook & Miller* v. *Hook and Ackerman, Inc.*

2,250,093, A. B. Comroe, Novelty folder, filed July 29, 1949, D. C., S. D. N. Y., Doc. 51/124, *A. B. Comroe* v. *Advertisers Service Division, Inc., et al.*

2,395,476, J. D. Givnan, Screw, filed Aug. 2, 1949, Cir. C. Oreg. (Portland), Dock 189328, *Phillips Screw Co.* v. *Givnan Recessed Screw Corp. et al.*

2,452,529, J. L. Snoek, Magnet core, filed July 8, 1949, D. C., W. D. Pa., Doc. 7960, *Hartford National Bank & Trust Co. et al.* v. *Stackpole Carbon Co.*

2,466,859, H. R. Northup, Oven liner, filed Aug. 3, 1949, D. C., N. D. Ind. (South Bend), Doc. 1028-H, *R. Northup* v. *Reisch Products, Inc., et al.*

Re. 20,372. A. Lorens, Furniture, D. C., S. D. Ind. (Indianapolis), Doc. 1645, *Heywood-Wakefield Co. et al.* v. *Victor Furniture Co., Inc., et al.* Claims 11, 12, 13, and 14 held valid and infringed; injunction July 8, 1949.

Des. 146,340, E. W. Shaffer, Moccasin, filed July 9, 1949, D. C., N. D. Tex. (Fort Worth), Doc. 1848, *Shaffer Mfg. Co.* v. *Texas Sandal Mfg. Co.*

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,400,743, D. G. Clifford, Reflex klystron, decided July 25, 1949, claim 1.

Pat. 2,427,120, H. J. Blair, Two-way overrunning clutch, decided Aug. 16, 1949, claims 1, 2, and 3.

Pat. 2,441,170, F. W. Rose and F. W. Steuber, Hydrocarbon conversion by contact with active catalyst and inert solid heat carrying material, decided Aug. 15, 1949, claims 1, 12, 16, 17, and 18.

Pat. 2,446,815, J. M. Davies, J. J. Shipman and W. L. Davidson, Self-sealing fuel tank construction, decided Aug. 4, 1949, claims 3, 4, 5, and 6.

Disclaimers

2,400,743.—*David Gordon Clifford*, Palo Alto, Calif. REFLEX KLYSTRON. Patent dated May 21, 1946. Disclaimer filed Aug. 6, 1949, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claim 1 in said specification.

2,455,896.—*Daniel B. Nagy*, Stamford, Conn. 1-ARYL, 5-ALKYL, BIGUANIDES. Patent dated Dec. 7, 1948. Disclaimer filed Aug. 11, 1949, by the assignee, *American Cyanamid Company.*

Hereby disclaims from claim 1 of said patent coverage of all chemical compounds in which the alkyl group does not conform to the formula C_nH_{2n+1}, where n is a whole number.

Abstracts of Applications

Abstracts of U. S. patent applications published in accordance with the notice of January 25, 1949 (619 O. G. 258), are processed through an Examiner of Classification to confirm the original classification given in the heading and to provide such cross-references as are required by the abstract disclosure. Copies of these abstracts are prepared for the search files of both the patent examining divisions and the Public Search Room. Abstracts identified by application serial number are incorporated in the subclass lists of cross-referenced U. S. patents.

M. F. BAILEY,
Supervisory Examiner.

August 17, 1949.

Proposed Change in Patent Rules

Notice is hereby given that the United States Patent Office proposes to amend one of its rules and regulations relating to proceedings before it in patent cases.

The amendment is proposed to be issued pursuant to the authority contained in the patent laws, R. S. 483, 35 U. S. C. 6.

The purpose of the proposed amendment is to revise Patent Rule 141 in such a manner as to permit specifically claiming five species of an invention in different claims in one application when a claim generic to all the claimed species is allowed. However, it is desired to make the change in such a manner as to minimize the additional burden on the Office which might be involved. Several alternative texts for the proposed amendment are as follows:

1. Amend Rule 141 by adding the following at the end:

"However in an application which contains a claim generic to more than three disclosed species and claims to three species embraced thereby, wherein all the claims entitled to consideration on the merits, including the generic claim and the claims to the three elected species, have been determined to be allowable, claims to additional disclosed species, not exceeding two and embraced by said generic claim, may be permitted provided that the patentability of the claims to the added species can be determined from the allowance of the generic claim."

2. Amend Rule 141 by adding at the end:

"However, when an application containing a claim generic to a plurality of disclosed species has been allowed, claims to species embraced by said generic claim may be presented under the provisions of Rule 312 but the total number of species then claimed in the application shall not exceed five."

3. Amend Rule 141 by changing item (b) to read as follows:

"(b) more than one species of an invention, not to exceed five, may be specifically claimed in different claims in one application, provided the application also includes an allowable claim generic to all the claimed species and the claims to the species are written in dependent form (Rule 75) or otherwise include the substance of the generic claim with further limitation."

All persons who desire to submit written data, views, arguments or suggestions, for consideration in connection with the proposed amendment are invited to forward the same to the Commissioner of Patents, Washington 25, D. C., on or before September 30, 1949. An oral hearing is not scheduled.

This notice appeared in the Federal Register for Aug. 25, 1949.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

Adjudicated Patent

(C. A. N. Y.) Cowles Patent No. 2,351,492, for a method of pulping paper stock. Claims 1, 2, 3, and 4 *Held* invalid. *Cowles Co. v. Frost-White Paper Mills*, 174 F.2d 868; 81 USPQ 452.

Cancellation Notice

Mahoney-Ryan Aircraft Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the petition of The Ryan Aeronautical Co., 2701 Harbor Drive, San Diego, Calif., to effect the cancellation of trade-mark registration of Mahoney-Ryan Aircraft Corporation, No. 262,661, dated September 24, 1929. The assignment records of this Office show a transfer of title to this registration to Ryan Aircraft Corporation, Anglum, Me., which has been substituted for said Mahoney-Ryan Aircraft Corporation to defend the registration concerned. The notice of such proceeding sent by registered mail to said Ryan Aircraft Corporation, at its address of record, Anglum, Me., having been returned by the post office undelivered, notice is hereby given that unless said Mahoney-Ryan Aircraft Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

August 2, 1949.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,458,849. DIRECT-COUPLED AMPLIFIER WITH DIRECT-CURRENT FEEDBACK. Patented Jan. 11, 1949. This patent refers to a multi-stage video amplifier which consists basically of two direct-coupled stages having inverse feedback characteristics. Several advantages claimed for the direct coupling are: The circuit is substantially noncritical with respect to current components such as vacuum tubes; output waveform is similar in shape to that of the input signal; and the amplifier cannot be overloaded by large amplitude signals. (Owner) Russell Grambsch, 508 East Tenth St., Marshfield, Wis. Group 36—61—62. Reg. No. 23,747.

Pat. 2,442,376. IRONER. Patented June 1, 1948. Power-driven ironing machine has an ironing roll and a group of feed rolls with an endless canvas apron trained around the feed rolls for surface engagement with ironing roll to feed work into machine and cooperate with ironing roll to perform ironing operations. The apron is maintained taut around feed rolls by a slack-take-up roll. A hand lever may be shifted to one position to inter-connect all rolls to a source of power for driving the ironing and feed rolls at approximately the same speed, or may be shifted to another position to drive feed rolls at a slower speed than ironing roll to impart a glossy finish to work. Feed rolls are mounted on a swinging press head (under control of a foot treadle) for movement toward and away from ironing roll. (Owner) Anton M. Rasmussen, 418 Almond St., Rockford, Ill. Group 35—81—82. Reg. No. 23,748.

Pat. 2,432,822. SLEEVE FORM. Patented Dec. 16, 1947. Sleeve form (extending from shoulder to wrist) prevents wrinkles when displaying men's suits. Form is divided into front and back sections, having rounded outer sides, and edges fastened together to form a pocket for a wire insert. Form is placed in sleeve and pinned to garment form by tab at shoulder end. After jacket has been adjusted on form, insert is placed in pocket of the form through opening at wrist. Insert, which is a frame of continuous resilient wire shaped to spread the sleeve form in a direction between the outer seam and the crease on inside of sleeve, holds sleeve under slight tension for effective display. (Owner) George Tanser, 6 Walnut St., Everett 49, Mass. Groups 25—41; 33—41—49; 39—96. Reg. No. 23,749.

Pat. 2,434,817. MAN'S SUIT FORM EXTENDER. Patented Jan. 20, 1948. Extender for men's suit display forms has sections of stiff but flexible material connected by elastic stripe to encircle lower portion of form. Extender may be pinned to form through a cloth binding around the sections. Tie strings are provided for fastening in front or back to give desired effect in displaying single or double-breasted suits. (Owner) George Tanser, 6 Walnut St., Everett 49, Mass. Groups 22—95; 26—91; 39—81—96. Reg. No. 23,750.

Pat. 2,432,260. LOCKING UNIT. Patented Dec. 23, 1947. Double acting lock for doors, gates, etc., has two metal or plastic housings, one for edge of door and other for door jamb. Pivoted latch in one housing has an extension along one edge with opening to receive spring-pressed plunger in keeper housing. One end of a sliding bar pivoted in latch housing enters opening in extension. A pivoted link on other end shifts bar to engage or release latch and is operated by key. (Owner) Byron Branson, 318 West Colorado Blvd., Glendale, Calif. Groups 33—80; 35—84. Reg. No. 23,751.

The following five patents pertain to oil well drilling equipment and to several distillation processes. Groups 35—32; 26—39. The patents are owned by Godfrey L. Cabot, Inc. Correspondence concerning the patents should be addressed to H. W. Kenway, of Kenway, Jenney, Witter & Hildreth, 24 School St., Boston 8, Mass.

Pat. 2,164,597. AUTOMATIC LENGTH-CONTROLLING APPARATUS. Patented July 4, 1939. Apparatus for automatically maintaining oil well pump connection lines at uniform length under variations in temperature. Reg. No. 23,752.

Pat. 2,213,598. COUNTERWEIGHT. Patented Sept. 3, 1940. Removable and adjustable counterweight for oil field rigs. Reg. No. 23,753.

Pat. 2,412,014. MANUFACTURE OF FORMALDEHYDE. Patented Dec. 3, 1946. Heating methane and air with NO_2 to a temperature above 1100° F. and cooling the vaporized product by direct contact with a cool formaldehyde solution. Reg. No. 23,754.

Pat. 2,412,504. TREATING STYRENE AND OTHER MONOMERS USED IN POLYMERIZATION PROCESSES. Patented Dec. 10, 1946. Process includes heating the monomer while in contact with carbon black which adsorbs the inhibitor and initially formed polymer. Reg. No. 23,755.

Pat. 2,414,880. PROCESS OF MAKING CYCLOBUTANE. Patented Jan. 28, 1947. Process includes the steps of subjecting cyclopentanone in the vapor stage to irradiation by ultra-violet light rays at elevated temperature. Reg. No. 23,756.

The following three patents are owned by Soaren Kazanjian. Correspondence concerning the patents should be directed to Henry L. Burkitt, 19 West 44th St., New York 18, N. Y.

Pat. 2,108,606. SAFETY DEVICE AND VALVE THEREFOR. Patented Jan. 25, 1938. Feelers mounted at various locations on vehicles control mechanisms which sound an alarm and take a picture when feelers are engaged against an object. Telescopic members urged outwardly by spring are depressed when struck by an object. Bell crank pivoted to inner telescopic member is attached to a camera. When member is depressed, bell crank is pivoted and operates camera. At the same time a piston valve on inner member controlling compressed air is moved, and air passes into an acoustic device and sounds an alarm. Groups 35—69; 37—82; 38—81. Reg. No. 23,757.

Pat. 2,228,056. COVER FOR CONTAINERS, JARS, ETC. Patented Jan. 7, 1941. Invention proposes a cylindrical cover of conventional contour. Cover has a threaded skirt for engaging neck of container. A nipple is threaded through top wall of cover and abuts a rigid member contained in cover. A screw is threaded through the nipple and abuts a second rigid member in cover. In use, manipulation of nipple and screw causes the rigid members to press against sealing elements, one of which engages the top edge of container, the other engaging top edge of container and skirt of cover, thus producing a sealtight closure. Group 32—21. Reg. No. 23,758.

Pat. 2,391,711. LAMP SHADE RETAINER. Patented Dec. 25, 1945. Adjustable clamping device supports a glass or metal lamp shade in position on a light-bulb socket. A ring, suitably attached to top of shade, houses a flexible metal band within a recess formed by in-turned flanges. Band (extending more than 360°) has a slip section and elongated slot for adjusting size of band. One end of band is attached to ring, and other end to a manipulating handle. Handle is movable in a slot in ring wall to contact ear at end of slot to reduce area of band and cause band to become seated in groove of socket. May be held against movement by screw placed through ear and handle. Groups 32—29; 34—81—82. Reg. No. 23,759.

Pat. 2,400,298. WHEEL LOCK AND HYDRAULIC RELEASE. Patented Feb. 1, 1949. An automobile wheel lock and hydraulic release which eliminates conventional lugs in attaching wheel to brake drum. A plate has spaced bolts to extend through a wheel plate so wheel can be rotated for engagement or disengagement with brake drum. The bolt-containing plate is actuated by plungers at wheels. A master four-way valve is connected to manually operated selector valves and to fluid delivery pipes attached to the plungers. Prior to operation of the selector valves, the master valve (which is on the dashboard and accessible to operator) must be operated by a key. Thus the system once locked cannot be unlocked by an unauthorized user. (Owner) Joseph Kraus, 2819 North Leavitt St., Chicago, 18, Ill. Group 38—11—31. Reg. No. 23,760.

Pat. 2,433,966. METHOD OF MAKING TUBULAR MEMBERS BY PROGRESSIVE HELICAL WELDING. Patented Jan. 6, 1948. Tubular members, such as gun barrels, are made by helically winding a metal ribbon in layers on a tubular core. The sides of the ribbon conform in shape to adjacent and underlying turns. Pressure is applied and the turns progressively resistance-welded at the point of initial contact in a continuous seam. The resulting tube is characterized by great radial strength in comparison to its weight. (Owner) Marie S. Van Keuren, 1445 Spring Road, N. W., Washington 10, D. C. Group 33X1—12—93. Reg. No. 23,761.

Pat. 2,263,973. MUSICAL INSTRUMENT. Patented Nov. 25, 1941. A sound pick-up is provided for each of the three string sections of a piano (lower, middle, and upper registers) to build up tone and volume characteristics or create special tone effects. Supported across each of the string sections is an elongated permanent magnet which carries a flat coil that encircles the strings of that section. The coil is connected to an amplifier and speaker. (Owner) D. P. O'Brien, 70 Strawberry Hill, Stamford, Conn. Group 39—33. Reg. No. 23,762.

Pat. 2,451,864. EXPLOSIVES. Patented Oct. 19, 1948. This patent describes an explosive which is set off by contact with water. Basically, magnesium, calcium phosphide, and potassium perchlorate are mixed together in dry powder form and loaded into watertight casings. (Owner) D. P. O'Brien, 70 Strawberry Hill, Stamford, Conn. Group 28—84. Reg. No. 23,763.

Pat. 2,436,109. FISHING BAIT HOLDER. Patented Feb. 17, 1948. Holder for moist earth containing live worms is attachable to belt of fisherman and has top and bottom lids openable so that holder may be inverted to extract worms from lowest part of holder where they normally congregate. Holder is supported between the horizontal arms of a bracket by pintle pins slidable in horizontal slots with depending ends, for rotating or locking in position. Intermediate portion of bracket carries loops through which wearer's belt is threaded. (Owner) Alexander A. Kollman, Route 1, Box 103B, Camino, Calif. Group 39—49. Reg. No. 23,764.

Pat. 2,452,245. HOSE CLAMP. Patented Oct. 26, 1948. Clamp for hose or the like provides a complete annular compression band around the hose without pinching. A dogging sleeve has two prongs which project through slot in a guide sleeve to engage apertures in opposite end of the band. A screw swivelly mounted in guide sleeve threads dogging sleeve back into guide sleeve. This causes opposite pulls on ends of band and draws ends tightly into overlapping relation. (Owner) Alexander A. Kollman, Route 1, Box 103B, Camino, Calif. Group 35—69. Reg. No. 23,765.

Pat. 2,454,656. MECHANICAL GALLOPING HORSE. Patented Nov. 23, 1948. Three-wheel hobby horse is driven by a rocking element operated by occupant of saddle. Steering rod is attached to front wheel and neck of horse. A rocking member pivoted to each side of body is attached to saddle, footrest, and a pulley which is connected to and turns rear wheels. Child depresses saddle and causes rear of rocking member to swing downwardly and rotate pulley. At the same time the forward end of rocking member swings upwardly, raising footrests. Child then throws his feet on footrests and causes reverse rocking. The parts of the rocking member are so positioned that continuous rotation of wheels is effected, with the liability of a dead center substantially eliminated. (Owner) Alexander A. Kollman, Route 1, Box 103B, Camino, Calif. Group 39—43. Reg. No. 23,766.

Pat. 2,461,709. CAN PERFORATOR. Patented Feb. 15, 1949. Can perforator consists of a pair of hinged upper and lower plates somewhat resembling a strap hinge. The lower plate forms a base which rests on the top of can. Downwardly projecting points carried by upper plate and passing through openings formed in lower plate are adapted to puncture the top of can. Pressure is applied by a knob riveted to upper plate. (Owner) C. E. Verne, 424 North 4th St., Tomahawk, Wis. Groups 33—51—73; 40. Reg. No. 23,767.

Pat. 2,058,348. SHARPENER FOR RAZOR BLADES. Patented Oct. 20, 1936. Small and inexpensive blade-sharpening device consists of a molded block (glass, plastic, etc.) formed with a pair of opposed concave surfaces. A smooth surface is provided on one side of the block for honing purposes, and a rough surface provided on the other side for sharpening. Trade-mark "Sharpo" (Reg. 345,055) will be transferred with the sale of the patent, or upon grant of an exclusive license. (Owner) Harry J. Nichols, Point Pleasant, N. J. Groups 32—29—39 · 39—81; 40. Reg. No. 23,768.

Pat. 2,466,445. REACTION PRODUCT OF A POLYHYDROXYL ALCOHOL WITH A TRIVALENT METAL SULFATE. Patented Apr. 5, 1949. A process for making an inorganic resinous composition in the form of a salt in which water of crystallization is partially replaced by a dibasic alcohol. Several formulas are given. For example: A mixture of equal weights of ethylene glycol and aluminum sulfate

are boiled down to produce a viscous product which weighs less than the total ingredients of the original mixture. The product obtained is not readily miscible and has use as a stable astringent, fire retardant, clarifier, or tanning agent. (Owner) Milton Landau, 225 East 74th St., New York 21, N. Y. Group 28—81— —89. Reg. No. 23,769.

Pat. 2,439,024. RENEWABLE VALVE SEAT. Patented Apr. 6, 1948. Renewable valve seat assembly for flush tanks may be easily applied without the use of special tools. The assembly consists of a tapered valve seat and tapered washer to engage old seat, and a two-piece band having opposing apertured wings on its ends. The band is clamped around overflow pipe and flush pipe of old fixture by drawing the wings together with screws and wing nuts. Eye bolts pivotally mounted on the screws are then swung vertically upwardly into engagement with bifurcated arms on opposite sides of new valve seat so that when wing nuts are tightened on the eye-bolts the new valve seat and washer will be firmly secured to old seat. (Owner) Harry N. Ruebel, R. F. D. 2, Berlin, Md. Group 33—61. Reg. No. 23,770.

Pat. 2,461,516. WATER METER REDUCING ADAPTER. Patented Feb. 15, 1949. Reducing adapter for water meters consists of a sleeve that is externally threaded for the major portion of its length. The bore of the sleeve at one end is of increased diameter and threaded to receive the end of a nipple extending from a meter to provide uniform flow through the adapter. (Owner) Martin T. Bullock, 2507 43rd Ave., Meridian, Miss. Groups 33—61; 35—69. Reg. No. 23,771.

Pat. 2,424,123. GAME BOARD. Patented July 15, 1947. Self-contained game board for games employing playing pieces and a board, such as chess, checkers, etc. Playing pieces are contained in recesses in board and retained in recesses by spring-urged tongue. Tongue is so constructed that but slight pressure is needed to remove or deposit the playing pieces. Board may be hinged and folded to carry in pocket, or may be made in larger sizes. (Owner) Nicholas M. Schruben, 5736 Maryland Ave., Chicago, Ill. Group 39—41. Reg. No. 23,772.

Pat. 2,396,324. SAFETY GAS VALVE. Patented Mar. 12, 1946. Safety valve for gas pipes automatically closes when flow of gas to supply line is interrupted and remains closed until valve is re-set. Valve housing has a pair of chambers with inlet and outlet pipes, and valve seat in partition. Manually controlled burner connected to outlet pipe has a bellows type thermostat mounted above burner, which is connected to a weighted arm to which the valve is also connected. Valve is held open while gas from inlet pipe enters the two chambers and passes through outlet pipe to light burner. Heat from burner expands thermostat, raises arm, and opens valve. Upon extinguishing burner, the thermostat releases arm and closes valve and at the same time sounds alarm connected to arm. (Owner) Julius Hall, Weeksbury, Ky. Group 33—66. Reg. No. 23,773.

Pat. 2,343,169. METHOD OF CONCENTRATION. Patented Feb. 29, 1944. Fruit or vegetable juice, milk, and other liquids are successively frozen, thawed, and re-frozen to create an ice block having a clearly defined lower and upper portion. The upper clear ice portion is cut from the block and discarded so that only the concentrate, which contains substantially all of the vitamin, mineral, enzyme, and other vital content, remains. This concentrate may be packed for storage and preserved by refrigeration for long periods of time, or it may be further processed. Processing may consist of sterilization, pasteurization, and final drying to powder or flake form. The powder or flake may be mixed with other ingredients, such as drugs, etc., and pressed into tablet form. (Owner) William S. Burkhart, 1507 North East Sunrise Blvd., Fort Lauderdale, Fla. Groups 20—33—37—95—99; 28—31. Reg. No. 23,774.

Pat. 2,465,029. BAG OR LUGGAGE ILLUMINATOR. Patented Mar. 22, 1949. Purse or valise having ordinary hinge and latch includes an interior illuminator attached to frame, which becomes automatically operative or inoperative upon opening or closing of bag. The body of the bag engages a battery-filled casing which includes a light bulb, contacts, etc. As the bag is opened or closed, the casing is moved on its own hinges and engages or disengages a stationary arcuate portion which actuates a lever to make or break circuit. The device is shiftable to direct rays outside the bag. (Owner) W. L. Meggs, 301 Park St., Jacksonville 4, Fla. Groups 21—61—71; 34—81. Reg. No. 23,775.

Pat. 2,464,232. TIRE VULCANIZER. Patented Mar. 15, 1949. Side wall plates are adjusted to the size of a tire placed within a U-shaped frame. To insure close contact between the interior heating elements and the inner walls of the tire casing, inflatable air bags are utilized which exert pressure upon the internal side walls of the tire. An electrically heated split plate (which conforms to the curvature of tire) is inserted and adjustment wheels turned to engage the bead of the tire and heating plates. Heat is spread evenly over the entire area of tire to vulcanise a previously placed rubber repair section to insure proper adherence of repair section and broken casing. (Owners) Henry B. Hudson and B. H. King, Jr., 330 North Orange Ave., Orlando, Fla. Groups 30—82—83; 36—41. Reg. No. 23,776.

Pat. 2,439,097. UNDERGARMENT. Patented Apr. 6, 1948. Undergarment has reinforcements and additions at neck and top of open front for supporting an acoustical appliance. Broad yoke at back of neck has extensions to shoulder seams. Triangular flaps with fasteners extend from upper front folds of usual opening and connect with shoulder seams, forming a continuous reinforcement. Tape on each shoulder seam is tied around the cord of appliance, and loop at front of flap holds appliance in position. A pocket is provided under one arm hole for a battery. Modification given. (Owner) Irving Pierce, 3113 Purdue St., Dallas, Tex. Groups 22—45; 23—22—41; 39—16. Reg. No. 23,777.

The Trumbull Electric Manufacturing Company offers the following 9 patents for non-exclusive license on reasonable terms.

The patents relate to conduit and bus-duct power supply systems, including constructions facilitating access to the supply conductors and plugging and switching arrangements for making branch circuit connections with the supply conductors. Group 36—19.

Applications for licenses may be addressed to The Trumbull Electric Manufacturing Company, Plainville, Conn.

Pat. 1,885,513. MULTIPLE ELECTRICAL CONDUIT RECEPTACLE AND PLUG. Patented Nov. 1, 1932. Reg. No. 23,778.

Pat. 1,962,554. ELECTRIC WIRING SYSTEM. Patented June 12, 1934. Reg. No. 23,779.

Pat. 1,982,152. SYSTEM FOR DISTRIBUTING POWER. Patented Nov. 27, 1934. Reg. No. 23,780.

Pat. 2,088,845. ELECTRICAL WIRING DEVICE. Patented Aug. 3, 1937. Reg. No. 23,781.

Pat. 2,098,414. ELECTRICAL CONTACT MEMBER FOR CONDUITS. Patented Nov. 9, 1937. Reg. No. 23,782.

Pat. 2,150,963. BARRIER FOR BUS DUCTS. Patented Mar. 21, 1939. Reg. No. 23,783.

Pat. 2,231,056. ELECTRICAL CONDUIT. Patented Feb. 11, 1941. Reg. No. 23,784.

Pat. 2,334,810. POWER DISTRIBUTION SYSTEM. Patented Nov. 23, 1943. Reg. No. 23,785.

Pat. 2,361,179. BUS DUCT AND SWITCH ASSEMBLY. Patented Oct. 24, 1944. Reg. No. 23,786.

The General Electric Company offers the following 9 patents for non-exclusive license on reasonable terms.

With the exception of Pat. 1,911,630, the patents relate to an ironing press for domestic use which utilizes non-revolvable pressing elements, or the head and buck arrangement common in most commercial pressing machines. Operation of the head and buck is through a single control lever which in many patents consists of a knee-controlled latch, leaving the hands of a seated operator free to arrange articles of clothing or the like on the ironing table. Group 35—61.

In Pat. 1,911,630 a washing machine is described which features a single alterable mechanism capable of rotary or oscillating movement. Group 35—61.

Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 1,911,630. WASHING MACHINES. Patented May 30, 1933. Reg. No. 23,787.

Pat. 1,967,081. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,788.

Pat. 1,967,082. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,789.

Pat. 1,967,083. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,790.

Pat. 1,967,084. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,791.

Pat. 1,967,085. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,792.

Pat. 1,967,086. IRONING PRESSES. Patented July 17, 1934. Reg. No. 23,793.

Pat. 2,002,240. IRONING PRESSES. Patented May 21, 1935. Reg. No. 23,794.

Pat. 2,147,485. IRONING PRESSES. Patented Feb. 14, 1939. Reg. No. 23,795.

Pat. 2,453,371. POWER ACTUATED ROTARY SCRAPING TOOL FOR MEAT BLOCKS. Patented Nov. 9, 1948. Re-surfacing tool for meat blocks consists of a vertically disposed rotary body having radially extending scraper blades, and a motor axially mounted on top of the body. The upper end of the body is connected to drive shaft of motor by a rockable joint. The blades are carried by a pair of oppositely disposed arms. Inner ends of arms are pivotally connected to the lower slotted end of the body so that they are free to simultaneously or independently rock, as required for re-surfacing meat block. A spring normally urges the arms downwardly when tool is idle. A conical hood depending from the lower end of motor acts as a guard for an operator. (Owner) Elmer B. Hobson, 518–522 East Gilbert St., Wichita 11, Kans. Groups 23—52; 35—43—51. Reg. No. 23,796.

Pat. 2,387,801. PROCESSES FOR TREATING CELLULOSE MATTER AND RESULTING PRODUCT. Patented Oct. 30, 1945. Reg. No. 23,797.

Pat. 2,407,988. PROCESS FOR TREATING CELLULOSE MATTER WITH TERPENE DIHYDROCHLORIDE. Patented Sept. 24, 1946. Reg. No. 23,798.

Pat. 2,407,989. PROCESS FOR TREATING CELLULOSE MATTER WITH TERPENES. Patented Sept. 24, 1946. Reg. No. 23,799.

In these three patents tensile strength, flexibility, and other inherent qualities of porous cellulosic materials (paper, wood pulp, rayon, etc.) are enhanced by immersing the material in either terpene hydrochloride (Pat. 2,387,801), a mixture of terpene dihydrochloride and cellulose acetate (Pat. 2,407,988), or terebene together with cellulose acetate (Pat. 2,407,989) at elevated temperatures. The qualities of the material may be further enhanced by the addition of various fortifiers (sodium fluoride, mineral oil, etc.) to render the cellulose product rot-proof, waterproof, etc. The resulting product may be cut, bored, or shaped without splitting. (Owner) Augustus R. Southworth. Correspondence to Armende Lesser, 21 East 40th St., New York, N. Y. Group 28—83.

Pat. 2,406,428. METAL CONTAINING PLASTIC COMPOSITION. Patented Aug. 27, 1946. Iron filings and iron dust are bound together by litharge and glycerine to produce a putty-like composition which is a poor electrical conductor and yet possesses great hardness. It may be molded into forming dies, lighting fixtures, etc., or worked with metal working tools. (Owner) Augustus R. Southworth. Correspondence to Armende Lesser, 21 East 40th St., New York, N. Y. Group 28—83. Reg. No. 23,800.

Pat. 2,466,079. FAULT LOCATOR COIL. Patented Apr. 5, 1949. A manually held detector unit which may be moved in inductive relationship along an electrical power line for detecting an audio frequency emergency signal impressed upon the line. The unit consists of an elongated holder having a flat bar attached to one end from which divergent legs depend. An enclosed U-shaped laminated pick-up core is placed between the legs that are adapted to be positioned against the line. An earphone is connected to the winding of the core so that the signal impressed on the line is plainly audible. (Owner) William J. Brunt, 2351 Longfellow Ave., Westfield, N. J. Group 36—62. Reg. No. 23,801.

Pat. 2,443,788. SQUARING DEVICE. Patented June 22, 1948. Fixture for use in the production of precision finished workpieces requiring opposite sides to be parallel and all angles between the sides to be exactly at right angles. The fixture consists of a base plate having parallel flat top and bottom surfaces and a number of bores which receive clamping pieces. A pair of identical cylindrical abutment pieces whose surfaces are ground so that they may be used as gauging surfaces are mounted on the plate. Partially pre-finished work is clamped against the cylinders, a finished face resting on the surface of the plate while an opposite side is being ground, the operation being repeated until all surfaces are ground. (Owner) Walter W. Pierce, 2914 Tweedy Blvd., South Gate, Calif. Group 35—43. Reg. No. 23,802.

Pat. 2,467,719. REMOVABLE AND REUSABLE KEY FOR EXTRACTING CONTENTS FROM COLLAPSIBLE TUBES. Patented Apr. 19, 1949. Reusable key may be inserted on the end of a collapsible tube to roll up tube to dispense contents, and then removed without unrolling the tube. It consists of an L-shaped plate with the short leg forming a handle, and the long leg bent longitudinally into U-shape to engage end of tube. (Owner) Robert R. Aluise, 230 Maple Ave., Takoma Park 12, Md. Groups 33—73; 34—92; 40. Reg. No. 23,803.

Pat. 2,464,642. BOAT BUILDER'S CLAMP. Patented Mar. 15, 1949. Hand clamp may be used to press successive side boards downwardly and inwardly into place against the ribs of frame of small boat. It consists of a clamp member having a swinging lever pivoted thereto, and an adjustable presser chuck slidably mounted on the lever. An apertured guide strap for the lever is rigidly secured to the clamp member. In use, the clamp member is rigidly clamped to one of the ribs, and the chuck adjusted along the lever to engage the upper edge of a board before lever is swung down to clamping position. Lever may be held in clamping position while the board is secured to the ribs by inserting a locking pin through a selected aperture in the guide strap so that the pin will engage the upper edge of lever. (Owner) Michael Hellings, Old Lowell Road, R. F. D. 2, Hudson, N. H. Groups 33—52; 35—69; 37—32. Reg. No. 23,804.

Pat. 2,466,469. MEANS FOR MOUNTING THE ARMATURE OF A MAGNETIC PHONOGRAPH RECORD REPRODUCER AND RECORDING HEAD. Patented Apr. 5, 1949. The mounting for the armature of this device is devoid of rubber bearings, retaining springs, or damping mediums. The armature is rigidly fixed to the outer end of a horizontally disposed hollow shaft. The inner end of the shaft is rigidly fixed to a bearing post to suspend the armature between the poles of a U-shaped magnet. The shaft between the post and armature is longitudinally slotted to provide thin pairs of horizontal and vertical webs to permit slight twisting of the shaft about its longitudinal axis when the armature is oscillated. The lower end of armature is formed with a needle-receiving socket. (Owner) Ralph W. Nicholls, 100–05 N. E. 12th Ave., Miami Shores 38, Fla. Group 36—61. Reg. No. 23,805.

Pat. 2,466,478. GRINDING MACHINE. Patented Apr. 5, 1949. Centerless grinding machine for grinding two or more diameters of a work piece. Bed plates and work rest are adjustable longitudinally, and motor-operated regulating wheel can be oscillated to right or left and adjusted at any angle with relation to the work piece. Hand wheel at end of bed regulates control lever for locking adjusted beds in position. (Owner) James A. Riley, Route 2, Box 1269, Pittsford, Mich. Group 35—41. Reg. No. 23,806.

Pat. 2,451,497. THREAD MILLER. Patented Oct. 19, 1948. (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757.) Thread miller for milling internal buttress threads in armor plates for bolts. Produces any combination of thread form, pitch, diameter, and depth desired in internally threaded bolts. The thread is milled in the sides of a previously drilled hole. Milling commences at bottom of hole and finishes at surface of plate, providing ample space for chip accumulation. May be used with a radial drill press or with a portable drill head. (Owner) Frederick J. Kratchman, 33 Cornell Drive, Great Neck, N. Y. Groups 33—12; 35—41. Reg. No. 23,807.

Pat. 2,399,889. BEARING. Patented May 7, 1946. A bearing for such use as joining the connecting rod and crankpin in internal combustion engines. Segmental units are arranged end to end around a cylindrical body carried by the connecting rod. One segment is permanently attached to the connecting rod, and another segment is adjustably connected with the connecting rod. Units comprise inner and outer segments with soft metal cushioning segments between them. The segments are clamped together by lugs at end of each segment. Segments are adjustable endwise through shifting of segments by increasing or decreasing the shim thickness between the lugs so the bearing may be accurately fitted to the crankpin. An oil scoop in an outer segment delivers oil to cylindrical body through space in cushioning elements. (Owner) Walter F. Pittman, 2363 East Grand Blvd., Detroit 11, Mich. Group 35—19—66. Reg. No. 23,808.

Pat. 2,463,262. JET POWER MEANS FOR AIRCRAFT. Patented Mar. 1, 1949. Means includes a pair of open-ended tubes with rotary impeller within positioned at opposite sides of cabin. Tube has projection with air intake and air discharge. Wheel mounted in projection displaces air from intake to discharge. Drive shaft in tube engages wheel, and impeller is releasably attached thereto. Horizontal propulsive forces may be effected by the reaction of air jet discharged from tube. Vertical lifting forces may be effected by reaction of air jet discharged from air discharge opening. (Owner) Amel Ben Brolaske, 2266 Fairview Ave., Detroit 14, Mich. Group 37—21—22. Reg. No. 23,809.

Pat. 2,464,953. PIVOTED OUTER JAW WRENCH HAVING FULCRUM DETENT QUICKLY SHIFTABLE ALONG HANDLE RACK. Patented Mar. 22, 1949. Pivoted outer jaw wrench has fulcrum detent quickly shiftable along handle and can handle considerable range in pipe diameters. Automatically tightens itself through force applied to handle and loosens itself when force is reversed. Fixed jaw and end of handle are serrated, and, when force is applied to handle, pipe is clamped between the jaws. (Owner) Nathan W. Warman. Correspondence to Francis D. Ammon, 115 West Seventh St., Los Angeles 14, Calif. Group 23—52. Reg. No. 23,810.

Pat. 2,451,181. DENTAL FLOSS HOLDER. Patented Oct. 12, 1948. Cylindrical spool is held horizontally between arms of a yoke. Each arm of yoke is slotted near its upper end and provided with an adjustable ring to tightly engage the mid portion of the arm. The free end of floss is inserted upward between one arm and its ring, passed through the slot and drawn across the gap between the arms, then similarly inserted downward along second arm. Both rings are tightened to hold floss between the arms taut for use. Used floss is pulled through second ring and pressed against a cutting edge. (Owner) Morris Swartzman, 350 Broadway, New York 13, N. Y. Groups 39—17; 40. Reg. No. 23,811.

Pat. 2,465,005. BUILDING TOY. Patented Mar. 22, 1949. Toy building construction set has various shaped panel units, with grooves to receive clips, permitting assemblage of units in various ways to create different structures. Units comprise inner and outer plates. Inner plates have grooves to receive clips on outer plates. Lugs on inner surfaces of outer panels engage slots in inner panels. Panels may be made of wood, plastic, cardboard, or the like. (Owner) Ruby K. Rognstad, Route 3, Box 245, Vancouver, Wash. Groups 23—60; 26—81; 39—41—81. Reg. No. 23,812.

Des. Pat. 152,713. DESIGN FOR A FISH LURE. Patented Feb. 15, 1949. (Owners) Fred V. Meridith and Jesse L. McCollum. Cartwright Bldg., Terrell, Tex. Groups 39—49; 40. Reg. No. 23,813.

Pat. 2,463,528. BEARING EVALUATOR. Patented Mar. 8, 1949. (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757.) Device for accurately finding a position from a series of direction finder station bearings has numerous directional finder bearings which cross at scattered points and form a beam. A chart for plotting these bearings is taped to a glass-topped table lighted from below. A fan fix is placed over each of several reliable bearings which cross each other at large angles from many different directions. Center line of each fan fix lies along bearing with cross bar of fan at direction finding station. A small illuminated elliptical area will show through fans. Center of this area is the

most probable position of the ix. (Owner) Engineering Research Associates, Inc., 507 18th St. South, Arlington, Va. Attention of Manager of Patents. Groups 36—61; 39—11. Reg. No. 23,814.

Pat. 2,451,379. COMPRESSOR PUMP. Patented Oct. 12, 1948. Compressor or pump is designed so that it may be driven at high speeds without objectionable vibration, noise, or wear. Compressor is of the type having a central rotatably driven wobble plate with pumping pistons grouped around the plate. Inner side of wobble plate bears against the heads of connectors (slidably telescoped within bores of the pistons) to drive the pistons on their power strokes. Compression springs urge the pistons toward wobble plate, and move them on their return strokes. When the compressor is driven at high speed, the connectors will momentarily drop away from the pistons as pistons reach the end of their power stroke. When the springs overcome inertia of the pistons and move them on their return strokes, the connectors compress entrapped gas inside the pistons to effectively cushion shocks as the slack is taken up between connectors and pistons. (Owner) Byron R. Burke, 13041 Killion St., Van Nuys, Calif. Group 35—61. Reg. No. 23,815.

The General Electric Company offers the following 61 patents for non-exclusive license. The patents deal with silicones and related products. Group 28—58.

Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,258,218. METHYL SILICONES AND RELATED PRODUCTS. Patented Oct. 7, 1941. Methyl silicone resins suitable for high temperature applications are prepared by hydrolysing a composition comprising a methyl silicon compound containing a hydrolysable group. Reg. No. 23,816.

Pat. 2,258,219. HALOGENATED ARYL SILICONES. Patented Oct. 7, 1941. Halogenated aryl silicones such as chlorinated phenyl silicones having good heat resistance are obtained by hydrolysing a halogenated aryl silicon compound containing a hydrolysable group. Reg. No. 23,817.

Pat. 2,258,220. RESINOUS MATERIALS AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILISING THE SAME. Patented Oct. 7, 1941. Resinous ethyl silicones useful for insulating electrical conductors and having good resistance to elevated temperatures may be prepared by condensing an ethyl silicol. Reg. No. 23,818.

Pat 2,258,221. ADOXY SILICONES AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILISING THE SAME. Patented Oct. 7, 1941. Compositions of matter containing the structural unit R_2SiO where R is A—O—A', A is an aryl radical and A' is a member of the class consisting of alkyl and aryl radicals, may be prepared by hydrolysing a mass containing a compound having the formula $(A—O—A')_2SiX_2$ where A and A' have the meanings given above and X is a halogen atom, and dehydrating the hydrolysis product. Reg. No. 23,819.

Pat. 2,258,222. METHYL ARYL SILICONES AND INSULATED CONDUCTORS AND OTHER PRODUCTS UTILISING THE SAME. Patented Oct. 7, 1941. Methyl aryl silicones such as methyl phenyl silicones useful in high temperature applications may be prepared by hydrolysing a mass containing a compound having the formula

$$A—SiX_2^{CH_3}$$

where A is an aryl radical and X is a halogen atom, and thereafter dehydrating the hydrolysis product. Reg. No. 23,820.

Pat. 2,286,763. METHYL SILICON HALIDES. Patented June 16, 1942. Methyl silicon trichloride and dimethyl silicon dichloride may be prepared by adding a methyl magnesium halide to an ether solution of silicon tetrachloride, and distilling the reaction product to isolate the aforementioned two chlorosilanes. Reg. No. 23,821.

Pat. 2,306,222. METHOD OF RENDERING MATERIALS WATER REPELLENT. Patented Dec. 22, 1942. Normally water-non-repellent solid bodies may be rendered water-repellent by treating the same with a composition comprising an organo-silicon halide. Reg. No. 23,822.

Pat. 2,352,974. ORGANOSILICON COMPOUND. Patented July 4, 1944. Polymeric compositions comprising monovalent saturated aliphatic and divalent aryl radicals linked to silicon atoms, each of a plurality of the divalent aryl radicals being linked to two different silicon atoms, may be prepared by reacting a silicon tetrahalide with a dimagnesium derivative of a dihalogenated aromatic hydrocarbon. Reg. No. 23,823.

Pat. 2,371,068. TREATMENT OF ORGANO-SILICOLS AND PRODUCTS THEREOF. Patented Mar. 6, 1945. Organosilicols may be condensed by employing as the condensation catalyst an ester of boric acid. Reg. No. 23,824.

Pat. 2,380,995. PREPARATION OF ORGANOSILICON HALIDES. Patented Aug. 7, 1945. Organosilicon halides are obtained by effecting reaction between heated silicon and a hydrocarbon halide. Reg. No. 23,825.

Pat. 2,380,996. PREPARATION OF ORGANOSILICON HALIDES. Patented Aug. 7, 1945. Organosilicon halides can be prepared by effecting reaction between a hydrocarbon halide and the silicon component of a solid contact mass obtained by firing, under reducing conditions, a mixture of powdered silicon and a powdered metallic catalyst for the reaction. Reg. No. 23,826.

Pat. 2,380,997. CONTACT MASSES. Patented Aug. 7, 1945. Solid porous contact masses adapted for effecting reaction between silicon and a hydrocarbon halide in the preparation of organosilicon halides are prepared by firing at elevated temperatures a mixture comprising silicon and a metallic catalyst for the said reaction in a reducing atmosphere, and cooling the fired mass in a non-oxidising atmosphere. Reg. No. 23,827.

Pat. 2,380,998. ORGANOSILICON HALIDES. Patented Aug. 7, 1945. The reaction between an alkyl halide and heated silicon to produce alkyl silicon halides is carried out in the presence of a hydrogen atmosphere. Reg. No. 23,828.

Pat. 2,380,999. PREPARATION OF ORGANOSILICON HALIDES. Patented Aug. 7, 1945. Alkyl silicon halides are prepared by effecting reaction between an alkyl halide and heated silicon in the presence of an inert gas. Reg. No. 23,829.

Pat. 2,381,000. HALOGENATED ORGANOSILICON COMPOUNDS. Patented Aug. 7, 1945. Organosilicon compounds corresponding to the general formula

$$X_3Si(CH_2)_nSiX_2Y$$

where X represents a halogen, Y represents either a hydrogen or a halogen atom of the same type as that represented by X, and n is an integer equal to at least 1 and not more than 4 may be prepared by effecting reaction between heated silicon and a halogenated hydrocarbon of the formula $X(CH_2)_nX$ where X and n have the same meanings as above. Reg. No. 23,830.

Pat. 2,381,001. METHOD OF PREPARING TETRACHLOROETHYLENE AND CHLOROSILANES. Patented Aug. 7, 1945. Mixtures containing tetrachloroethylene and chlorinated silicon compounds may be obtained by effecting reaction between carbon tetrachloride and silicon. Reg. No. 23,831.

Pat. 2,381,002. CYCLIC ORGANOSILICON COMPOUNDS. Patented Aug. 7, 1945. Silicon compounds having the formula $(C_2SiCH_2)_x$ where x is equal to at least 3 may be prepared by effecting reaction between methylene chloride and silicon at an elevated temperature. Reg. No. 23,832.

Pat. 2,381,137. PROCESS OF PREPARING TETRAKIS-2-CHLOROETHYL SILICATE. Patented Aug. 7, 1945. Tetrakis-2-chloroethyl silicate may be obtained by effecting reaction between ethylene oxide and silicon tetrachloride, at an elevated temperature. Reg. No. 23,833.

Pat. 2,381,138. 2-HALOGENOETHOXY SILICON COMPOUNDS. Patented Aug. 7, 1945. Halogenoethoxysilicon compounds corresponding to the general formula

$$R_aR'_bSi(OCH_2CH_2X)_{(4-a-b)}$$

where R is a member of the class consisting of hydrogen and monovalent alkyl and aryl radicals, R' is a member of the class consisting of monovalent alkyl and aryl radicals and $XCH_2CH_2O—$ radicals, X is either chlorine or bromine, a and b are integers equal to at least 1, and the sum of a + b is not greater than 3, may be prepared by effecting reaction at an elevated temperature between ethylene oxide and a halogenosilane having the general formula $R_aR'_bSiX_{(4-a-b)}$ where R, R', X, a and b have the same values as stated above. Reg. No. 23,834.

Pat. 2,381,139. RESOLUTION OF AZEOTROPIC MIXTURES OF CHLOROSILANES. Patented Aug. 7, 1945. An azeotropic mixture of trimethylchlorosilane and tetrachlorosilane may be separated by making the corresponding chloroethoxy derivatives whose boiling points are sufficiently different to permit fractional distillation of the derivatives. Reg. No. 23,835.

Pat. 2,381,366. ORGANO-DIHALOGENOSILOXANES. Patented Aug. 7, 1945. Organosilicon compounds having the general formula $X(SiR_2O)_aSiR_2X$ where X represents a halogen atom, R represents a monovalent lower alkyl group, and a is an integer equal to at least 1, may be prepared by hydrolysing an organohalogenosilane of the formula R_2SiX_2 where R and X have the meanings indicated above, with an amount of water less than that required for complete hydrolysis of the organohalogenosilane. Reg. No. 23,836.

Pat. 2,383,817. ORGANOSILICON COMPOUNDS. Patented Aug. 28, 1945. Polymeric organic silicon compositions comprising oxygen atoms and divalent aromatic radicals linked to silicon atoms and free of Si—Si linkages, each of a plurality of said oxygen atoms and divalent hydrocarbon radicals being linked to different oxygen atoms, the oxygen atoms of said composition not exceeding an average of 1 for each 2 silicon atoms, may be prepared by reacting a solution of a silicon tetrahalide with a solution of a dimagnesium derivative of a dihalogenated aromatic hydrocarbon, reacting the resulting solution with a magnesium derivative of a monohalogenated hydrocarbon, hydrolysing the resulting product, and dehydrating the hydrolysed product. Reg. No. 23,837.

Pat. 2,383,818. PREPARATION OF ORGANOSILICON HALIDES. Patented Aug. 28, 1945. Organosilicon halides may be obtained by effecting reaction between a hydrocarbon halide and the silicon component of a contact mass comprising silicon and an oxide of copper. Reg. No. 23,838.

Pat. 2,383,827. PROCESS OF PREPARING SILICONE RESINS. Patented Aug. 28, 1945. Organosilicon resins having improved properties are prepared by heating a liquid aromatic hydrocarbon solution of the same with a catalyst comprising a hydrated metal salt selected from the group consisting of hydrated halides of iron and tin. The heating is conducted until at least 10 per cent of the distillate is removed. Reg. No. 23,839.

Pat. 2,386,259. WATERPROOFING TREATMENT OF MATERIALS. Patented Oct. 9, 1945. Normally non-water-repellent materials may be rendered water-repellent by treating the said materials with the oily product of hydrolysis of a compound corresponding to the formula CH_3SiHX_2 where X is either chlorine or bromine. Reg. No. 23,840.

Pat. 2,388,290. METHOD OF FABRICATING MOLDS. Patented Nov. 6, 1945. Improved molds for precision casting of metals may be made by coating a fusible pattern with a mixture of a finely divided refractory material and an inorganic binding material, and thereafter contacting the surface of said coating with an organo-silicon halide. Reg. No. 23,841.

Pat. 2,388,575. RESOLUTION OF MIXTURES OF CHLOROSILANES. Patented Nov. 6, 1945. The components of an azeotropic mixture of tetrachlorosilane and trimethylchlorosilane may be separated by fractionally distilling the mixture in the presence of either acetonitrile or acrylonitrile. Reg. No. 23,842.

Pat. 2,389,477. POLYSILOXANE RESINS. Patented Nov. 20, 1945. The craze-resistance of organopolysiloxane resins may be improved by dissolving the latter in either carbon tetrachloride or a lower aromatic hydrocarbon to form a solution having a resin content of from 10 to 33 per cent, and heating the solution at reflux temperatures in contact with a catalyst comprising a hydrated metal salt selected from the class consisting of hydrated ferric chloride, ferrous chloride, stannic chloride and copper sulfate. Reg. No. 23,843.

Pat. 2,389,931. METHOD FOR PRODUCING ORGANO-SILICONHALIDES. Patented Nov. 27, 1945. Organosilicon halides are prepared by introducing a powdered mixture of silicon and a metal catalyst into a hot reaction zone and fluidizing the powder in the reaction zone with a hydrocarbon compound capable of reacting with the silicon to form an organosilicon compound. Reg. No. 23,844.

Pat. 2,390,378. METHOD OF MAKING SILICONE RESINS. Patented Dec. 4, 1945. Mixtures of methyl silicon halides may be hydrolysed by dissolving them in an unsymmetrical aliphatic ketone and slowly adding the resulting solution to water at a temperature of below 30° C. Reg. No. 23,845.

Pat. 2,392,713. PROCESS OF PREPARING DIMETHYL SILICON ELASTOMERS. Patented Jan. 8, 1946. Methylsiloxane elastomers may be reclaimed by treating the same with a small amount of a dimethyldihalogenosilane. Reg. No. 23,846.

Pat. 2,398,672. METHOD OF PREPARING ORGANO-POLYSILOXANES. Patented Apr. 16, 1946. Organopolysiloxane resins having improved properties may be obtained by forming a solution of a mixture of hydrocarbon-substituted halogenosilanes in an inert organic solvent selected from the class consisting of liquid hydrocarbons and liquid ethers containing at least 8 carbon atoms, and thereafter hydrolysing said mixture by slowly adding the solution to a two-phase hydrolysing medium comprising water and an aliphatic alcohol containing from 4 to 8 carbon atoms. Reg. No. 23,847.

Pat. 2,403,870. ALKYLATION OF HALOGENOSILANES. Patented July 2, 1946. Alkylhalogenosilanes containing at least two silicon-bonded alkyl radicals may be prepared by bringing a mixture of an alkylhalogenosilane containing a lesser number of silicon-bonded alkyl groups and a lower alkyl halide into contact at an elevated temperature with either aluminum or zinc. Reg. No. 23,848.

Pat. 2,406,041. PREPARATION OF METHYL POLYSILOXANE RESINS. Patented July 30, 1946. Methylpolysiloxane resins having improved properties may be obtained by mixing a toluene-soluble methylpolysiloxane with a nitroparaffin containing from 2 to 4 carbon atoms and recovering the portion of said resin insoluble in the nitroparaffin. Reg. No. 23,849.

Pat. 2,406,605. HYDROGENATION OF HALOGENOSILANES. Patented Aug. 27, 1946. The halogen of a halogenosilane may be replaced with hydrogen by contacting a mixture of (1) the halogenosilane and (2) a material selected from the class consisting of hydrogen and hydrogen halides, in the vapor state and at an elevated temperature, with a metal selected from the class consisting of aluminum, magnesium and zinc. Reg. No. 23,850.

Pat. 2,406,621. METHOD OF PREPARING POLYSILOXANE RESINS. Patented Aug. 27, 1946. Methylpolysiloxane resins may be prepared by dissolving a mixture of methylchlorosilanes in an aromatic hydrocarbon solvent and slowly adding the resultant solution to a two-phase hydrolysis medium comprising an aliphatic alcohol containing from 4 to 8 carbon atoms, an aromatic hydrocarbon solvent, and an aqueous solution of hydrochloric acid. Reg. No. 23,851.

Pat. 2,406,822. ELECTRICAL DISCHARGE DEVICE. Patented Oct. 8, 1946. Surface electrical leakage of electrical discharge devices may be prevented by treating the exteriorally exposed insulating members with an organohalogenosilane. Reg. No. 23,852.

Pat. 2,410,737. METHOD OF CURING HYDROCARBON-SUBSTITUTED POLYSILOXANE RESIN COMPOSITIONS CONTAINING LEAD MONOXIDE. Patented Nov. 5, 1946. Organopolysiloxane resins may be cured faster by incorporating therein lead monoxide as a cure accelerator. Reg. No. 23,863.

Pat. 2,420,911. METHYL VINYL POLYSILOXANE-METHYL METHACRYLATE COPOLYMERS. Patented May 20, 1947. Resinous copolymers of a methyl vinyl polysiloxane and methyl methacrylate may be prepared by heating the foregoing two ingredients in the presence of a peroxide catalyst. Reg. No. 23,854.

Pat. 2,420,912. PREPARATION OF ALKENYL-SUBSTITUTED CHLOROSILANES. Patented May 20, 1947. Alkenylchlorosilanes are prepared by effecting reaction between heated silicon and either vinyl chloride or allyl chloride. Reg. No. 23,855.

Pat. 2,421,653. PREPARATION OF POLYORGANOHALOGENO-POLYSILOXANES. Patented June 3, 1947. Polyorganohalogenopolysiloxanes are obtained by effecting reaction between (1) a hydrocarbon-substituted polysiloxane and (2) a halogenosilane corresponding to the formula R_nSiX_{4-n} where R is a monovalent hydrocarbon radical, X is a halogen atom and n has a value equal to one of the following: 0, 1, 2, 3. Reg. No. 23,856.

Pat. 2,424,853. TITANIUM DIOXIDE DIELECTRIC MATERIALS. Patented July 29, 1947. The dielectric properties of titanium dioxide and dielectric materials prepared therefrom may be improved by treating a calcined titanium dioxide with the vapors of an organohalogenosilane, and thereafter heating the treated material so as to remove the last traces of hydrogen halide. Reg. No. 23,857.

Pat. 2,426,912. PROCESS OF HYDROLYZING DIMETHYLDIHALOGENOSILANES. Patented Sept. 2, 1947. Substantially pure dimethyldihalogenosilane may be hydrolyzed by pouring the same onto the surface of a hydrolysis medium comprising a solution consisting of water and a salt of a metal selected from the group consisting of the metals of first and second groups of the periodic table. Reg. No. 23,858.

Pat. 2,427,605. PREPARATION OF ALKYLHALOGENO-SILANES. Patented Sept. 16, 1947. Mixtures of alkylhalogenosilanes containing increased proportions of higher alkylated halogenosilanes may be obtained by effecting reaction between a lower alkyl halide and heated silicon in the presence of either aluminum or zinc. Reg. No. 23,859.

Pat. 2,430,032. PROCESSING OF SOLUBLE DIMETHYL SILICONE ELASTIC PRODUCTS PREPARED BY THE USE OF FERRIC CHLORIDE. Patented Nov. 4, 1947. Stable solutions of a soluble dimethyl silicone elastic product may be prepared by adding said elastic product to a two-phase mixture of an organic solvent for said elastic product and an aqueous phase such as an aqueous solution of a soluble alkali. Reg. No. 23,860.

Pat. 2,434,963. LOWER ALKYLPOLYSILOXANEBORATES AND THEIR PRODUCTION. Patented Jan. 27, 1948. Borates of lower alkyl polysiloxanes may be prepared by mixing boric acid and a lower alkyl halogenopolysiloxane. Reg. No. 23,861.

Pat. 2,436,230. DIMETHYL SILICONE ELASTOMERS CONTAINING LEAD MONOXIDE. Patented Feb. 17, 1948. The high temperature resistance of methyl siloxane elastomers obtained by condensing a liquid polymeric dimethyl siloxane with ferric chloride may be improved by incorporating therein lead monoxide in an amount ranging from 1 to 2 times the amount of ferric chloride present in the elastomer. Reg. No. 23,862.

Pat. 2,439,669. CHLORINATED METHYLPOLYSILOXANE RESINS. Patented Apr. 13, 1948. The craze-resistance of methyl siloxane resins may be improved by chlorinating the said resins in the presence of ultraviolet radiations. Reg. No. 23,863.

Pat. 2,441,422. ORGANOSILICON SILICA SOLS, GELS, AND AEROGELS. Patented May 11, 1948. Sols, gels and aerogels may be prepared by first forming an aqueous mixture of silicon compositions including both an alkali-metal silicate and an alkali-metal salt of a hydrocarbon-substituted siliconic acid, and thereafter treating such mixture in a suitable manner to form either a sol, a gel or an aerogel. Reg. No. 23,864.

Pat. 2,441,423. ALKYLSILICON SOLS AND GELS. Patented May 11, 1948. Colloidal dispersions capable of being used as water repellent materials may be prepared by adding an aqueous solution of a water-soluble alkali metal salt of a lower alkyl siliconic acid to a solution of an acid wherein the solvent for the said acid includes both water and either water-miscible alcohols or water-miscible ketones. Reg. No. 23,865.

Pat. 2,442,196. MODIFIED METHYL POLYSILOXANE COMPOSITIONS. Patented May 25, 1948. Coating compositions having outstanding flexibility and heat resistance may be prepared by mixing together a methylsiloxane elastomer and a heat-hardenable methylpolysiloxane resin. Reg. No. 23,866.

Pat. 2,442,212. METHOD OF PREPARING ORGANOSILICON RESINS. Patented May 25, 1948. Organosilicon resinous materials are obtained by hydrolyzing a mixture of dimethyldichlorosilane, phenyltrichlorosilane and diphenyldichlorosilane. Reg. No. 23,867.

Pat. 2,442,613. PROCESS FOR MAKING POLYSILOXANE ELECTRICAL INSULATING COMPOSITION. Patented June 1, 1948. Heat-resistant electrical insulating compositions capable of being handled more easily are obtained by forming a solution in an aromatic hydrocarbon solvent of a mixture of a methylphenylpolysiloxane resin and polymeric methyl methacrylate, adding to said solution an amount of boric acid in excess of that required to saturate the solution, and refluxing the mixture until some of the boric acid is dissolved. The excess boric acid may be removed if desired. Reg. No. 23,868.

Pat. 2,445,794. METHYL SILICONE ELASTOMERS CONTAINING Si-BONDED VINYL RADICALS. Patented July 27, 1948. Solid elastomeric compositions comprising hydrocarbon-substituted polysiloxanes consisting of silicon and oxygen atoms, and methyl-substituted and vinyl-substituted silicon atoms may be obtained by hydrolysing mixtures of organohalogenosilanes containing silicon-bonded methyl and vinyl groups, and condensing the hydrolyzed product. Reg. No. 23,869.

Pat. 2,448,566. DIMETHYL SILICONE ELASTOMERS AND METHOD OF PREPARING THE SAME. Patented Sept. 7, 1948. Benzoyl peroxide is employed as a cure accelerator for heat-curable, solid, elastic methylpolysiloxanes. Reg. No. 23,870.

Pat. 2,448,756. METHYL SILOXANE ELASTOMERS. Patented Sept. 7, 1948. Solid, elastic, curable methylpolysiloxanes are produced by condensing a liquid polymeric dimethylsiloxane containing up to 2 mol per cent copolymerized monomethylsiloxane. Reg. No. 23,871.

Pat. 2,449,572. POLYSILOXANE RESINS. Patented Sept. 21, 1948. Organopolysiloxane resins may be cured by heating them in the presence of a catalyst comprising a small amount of a metal salt of an organic acid soluble in the said resin. Reg. No. 23,872.

Pat. 2,452,416. PROCESS OF MAKING DIMETHYL SILICONE PRODUCTS. Patented Oct. 26, 1948. A liquid dimethyldihalogenosilane is hydrolyzed by pouring the latter onto a hydrolysis medium consisting of a finely divided, solid, inorganic compound selected from the class consisting of hydrated inorganic salts in which the anion is unpolymerized and metal hydroxides other than the hydroxides of the alkali and alkaline earth metals. Reg. No. 23,873.

Pat. 2,457,539. TREATMENT OF CHLOROMETHYL-SUBSTITUTED POLYSILOXANES. Patented Dec. 28, 1948. Methylpolysiloxanes containing silicon-bonded chlorinated methyl groups may be caused to condense to give higher molecular weight materials by contacting the methylpolysiloxane with an aqueous alkaline solution. Reg. No. 23,874.

Pat. 2,457,688. METHYL SILOXANE GUMS AND ELASTOMERS. Patented Dec. 28, 1948. Methylsiloxane elastomers having low permanent set at elevated temperatures may be obtained by condensing a liquid polymeric dimethylsiloxane containing both monomethylsiloxane and trimethylsiloxane units copolymerized therewith. Reg. No. 23,875.

Pat. 2,462,635. CYCLIC POLYMERIC ORGANOAMINOSILANES. Patented Feb. 22, 1949. Cyclic compositions corresponding to the general formula $[(CH_3)_2SiNH]_n$ where n is either 3 or 4 may be prepared by effecting reaction between ammonia and dimethyldichlorosilane. Reg. No. 23,876.

Pat. 2,468,504. TERRA-COTTA FLUE LINER CIRCLE CUTTER. Patented Apr. 26, 1949. Circular cutter comprises a disk supported on legs and formed with a middle opening fitted with a vertical post, the pointed lower end of which serves as a centering means. The vertical post is sectional and threaded together to provide a shoulder for a rotatable cutting-tool carrying arm whose radius may be adjusted. The cutting tool is sharply pointed and substantially diamond-shaped in cross section. In use, knobs at the upper end of the post and cutting tool are gripped and the arm rotated about the centering post until an opening is completely cut. (Owner) Samuel J. Little, 502 West Park Ave., Savannah, Ga. Group 35—41. Reg. No. 23,877.

Pat. 2,467,266. REARVIEW DEVICE HAVING THREE CONNECTED MOVABLE MIRRORS. Patented Apr. 12, 1949. Rearview vision device for automobiles may be adjusted for near or distant rear view vision. It consists of three angularly mounted, rotatable mirrors disposed inside a tunnel beneath vehicle roof. The tunnel is aligned with back vehicle window, and two of the mirrors are disposed one above the other adjacent the window. The third mirror inside the front end of the tunnel is visible to the driver through an opening in the bottom of the tunnel. The mirrors are so mounted that driver may turn a knob to angularly adjust all three at the same time. (Owner) Ernest Lumsden, 8017 Wade Park Ave., Cleveland 3, Ohio. Group 38—11—31. Reg. No. 23,878.

Pat. 2,000,927. GAUGE. Patented Nov. 17, 1936. Ruler-like gauge is composed of a pair of slidable members used in combination with a stationary section. The stationary section has an enlarged flanged head at each end, the flanges projecting in opposite directions. Guides are riveted on opposite sides of the stationary section to accommodate longitudinal slots of the slidable members which are fixed in various extended positions by thumbscrews. Markings are provided on the slidable portion of gauge so the device may be used for measuring distances between objects when an ordinary ruler would be difficult to use. (Owner) Amadeo Cristiani, Box 20, Bay Brook, N. Y. Group 35—66. Reg. No. 23,879.

Pat. 2,429,720. TIRE CHAIN SECURING DEVICE. Patented Oct. 28, 1947. Tire chain includes a chain for encircling outer side of a tire and a split sectional ring for encircling inner side of wheel. The ring consists of a pair of semi-circular hinged sections. The meeting ends of the ring opposite the hinged ends are adapted to engage each other to form an interlocking joint that is easily broken to release the sections so that the chain may be applied to or removed from wheel. When the ends are brought into interlocking engagement with each other, a pair of transverse bars of the joint are disposed in side by side relation with key slots in the bars in alignment to receive a locking pin. Inserting and turning the pin in one direction will lock the bars together. Turning the pin in opposite direction releases bars. (Owner) I. Basil Holtz, Weirton, W. Va., P. O. Box 625. Groups 33—49; 38—31. Reg. No. 23,880.

The following three patents are owned by Alex Tillo, 222 South Tower Drive, Apt. F, Beverly Hills, Calif.

Pat. 2,466,940. THREE-PART CORSET. Patented Apr. 12, 1949. A corset for figure having full hips and prominent abdomen. Garment is long, and each side is formed of three vertical panels, which include part of front panel, a side elastic panel, and part of back panel. The panels are cut above and below waistline so that joining seam lines curve to fit contour of wearer and correct irregularities. Group 23—42. Reg. No. 23,881.

Pat. 2,466,941. FOUR-PART CORSET. Patented Apr. 12, 1949. Zipper-closed corset for substantially normal figure, with lower hips measuring less than 40 inches. Each side of corset is formed of four curved vertical panels, including an elastic panel. One seam controls abdominal fitting and another seam controls fitting of lower part of back panel to force wearer to sit on corset. Group 23—42. Reg. No. 23,882.

Pat. 2,466,942. GIRDLE. Patented Apr. 12, 1949. A girdle for correctly proportioned figures. Formed with an elastic back panel and inner and outer fabric front panels which are set at reversed bias to each other and crossed midway their length. Group 23—42. Reg. No. 23,883.

Pat. 2,448,173. HOLLOW ARTICLE AND METHOD OF MAKING SAME. Patented Aug. 31, 1948. Patent relates to a method of making hollow articles of relatively thin synthetic plastic stock, such as table tennis balls. The halves to be joined are formed with outwardly disposed peripheral flanges at their edges, and the abutting surfaces of the flanges treated to place them in a softened or plastic condition. The flanges are then abutted to form the article, and pressure applied to the flanges to extrude or express them inwardly to form a uniform joining bead on the inner side of the junction of the parts. After the bead is allowed to harden, the remaining outwardly extending portions of the flanges are removed. (Owner) Frank V. Cowan. Correspondence to The Firm of Charles W. Hills, 53 West Jackson Blvd., Chicago 4, Ill. Group 39—49—31. Reg. No. 23,884.

Pat. 2,458,941. SPRING WHEEL. Patented Jan. 11, 1949. Wheel is comprised of a tire-supporting rim having interspersed blocks welded to the outer and inner surfaces of the rim. Semicircular springs (in inclined and interlaced relation to each other) and spokes connect the blocks of the rim to a conical hub. A cover which overlies the wheel from rim to hub completes the arrangement. (Owner) Henry Levene Harris, 921 Snow Ave., Richland, Wash. Group 38—31. Reg. No. 23,885.

Pat. 2,463,157. REMOVAL OF CASINGS FROM MEAT PRODUCTS. Patented Mar. 1, 1949. A chain of wieners are fed into one end of this machine and separated by a cut-off knife. A number of longitudinal cuts are made in the casing of each wiener by a series of rotary scoring knives which are so constructed with guards and adjustments as to cut nearly but not entirely through the cellophane, weakening that section. Suction is then applied to the outside surface between the cuts, and the casing stripped off, without affecting the wiener. (Owners) Roy L. Deitrickson and J. M. Little. Correspondence to Marshall, Marshall & Leonard, Toledo Trust Bldg., Toledo 4, Ohio. Group 35—51. Reg. No. 23,886.

Pat. 2,042,884. TAPPET. Patented June 2, 1936. Tappet structure for the silent actuation of the valves of internal combustion engines includes a spring-urged clearance-bridging element which is self-cleaning. Structure allows the generous clearances often used in practice but without the characteristic clicking noise so familiar to automobile owners and mechanics. The structure is unitary and does not require re-assembly after valves are removed for trueing or grinding. (Owner) Rigo Ralph Facchini, Main St., Kingston, Mass. Groups 35—19; 37—22; 38—31. Reg. No. 23,887.

Pat. 2,461,655. SEAL. Patented Feb. 15, 1949. Seal permits entrance to a pressure or vacuum chamber by stationary or rotatable members (such as shafts) without causing the chamber to leak. An expansible rubber envelope is vulcanized to the rotatable member defining a chamber that encloses a flange projecting from a stationary member. The chamber is filled with liquid and provides a substantially frictionless seal with the flange when the rotatable member is operated. A pair of flexible lips adjacent the inner margin of the chamber make contact with the stationary member when the rotatable shaft is not operated, providing a supplemental seal which prevents escape of liquid from the chamber. (Co-owner) Donald R. Hanson, 6 Beacon St., Boston, Mass. Group 35—66. Reg. No. 23,888.

United States Government Owned Patent

The following patent is owned by the United States as represented by the Secretary of the Interior by virtue of an assignment from the inventor, John P. Eliott. Non-exclusive and royalty-free licenses will be granted. Inquiries concerning licenses should be addressed to: Solicitor, United States Department of the Interior, Washington 25, D. C.

Pat. 2,462,900. REDUCTION ACCELERATOR FOR THE SPONGE IRON ROTARY KILN PROCESS. Patented Mar. 1, 1949. (Granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757.) Sponge iron is obtained by the thermal reduction of a mixture of oxidic iron ore and a carbonaceous reducing agent which consists of carrying out the reduction in the presence of a small amount of finely divided sodium aluminate equal to not more than about 5% of the weight of the iron ore in the mixture. The method not only accelerates the iron ore reduction, but prevents balling and sticking of the reactants which interfere with the normal operation of usual processes. Group 32—95. Reg. No. 23,889.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 6, 1949

[VOL. 626. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 3, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 509,331. BOTANY WORSTED MILLS, Passaic, N. J. Filed Sept. 19, 1946.

Red Fire

The word "Red" is disclaimed apart from the mark.
FOR LIPSTICKS.
Claims use since Sept. 8, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 515,871. LEO M. GLOUBERMAN, doing business as Gloube Manufacturing Company, Newark, N. J. Filed Jan. 17, 1947.

Gloube CRAFT

Applicant disclaims the word "Craft" apart from the mark shown.
FOR WIRE STAPLES FOR USE IN STAPLING MACHINES.
Claims use since Feb. 1, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 517,941. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Feb. 21, 1947.

DISCALOY

FOR HIGH TEMPERATURE ALLOYS AS WROUGHT PRECIPITATION HARDENED HEAT RESISTANT STEEL.
Claims use since Oct. 17, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 518,643. SMITHERLIN, INC., Hawthorne, N. J. Filed Dec. 3, 1946.

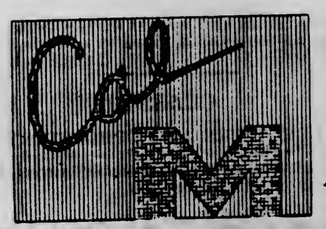
"Liquid Dynamite"

Applicant disclaims the word "Liquid" apart from the mark as shown.
FOR LIQUID FUELS—NAMELY, NITRO-PARAFFINS AND NITRO-PARAFFINS MIXED WITH HYDRO-CARBON AND/OR CARBO-HYDRATES, SAID FUELS BEING USED IN TWO AND FOUR STROKE CYCLE ENGINES OF MODEL AIRPLANES, JET ENGINES, MODEL RACING CARS, MODEL ROW BOATS, MIDGET RACING CARS, AND OUTBOARD RACING BOATS IN PLACE OF GASOLINE.
Claims use since Nov. 1, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 506,005. CAL MANAGEMENT COMPANY, INC., Pasadena, Calif. Filed July 22, 1946.



The lining on the drawing indicates the color red and the color yellow or gold.
FOR GARDEN TOOLS—NAMELY, GARDEN RAKES.
Claims use since Jan. 15, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 510,413. WALTER E. WIBERSON, Aberdeen, Wash. Filed Oct. 7, 1946.

DRIAIRD

FOR MACHINES FOR DRYING LAUNDRY.
Claims use since Sept. 28, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 493,677. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 21, 1945.

INSPECT-O-SCOPE

No claim is made to the word "Inspect" apart from the mark as shown.
FOR AUSCULTATORY INSTRUMENT FOR TESTING PNEUMATIC TIRE CASINGS FOR STRUCTURAL DEFECTS.
Claims use since Jan. 26, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 522,602. FABRIQUE D'HORLOGERIE MINERVA SPORT, S. A., Villeret, Switzerland. Filed May 17, 1947.

MINERVA

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since [illegible], 1942.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 518,782. D. SIBEL & COMPANY LIMITED, London, England. Filed Mar. 10, 1947.

FOLD-A-BYE

FOR FURNITURE—NAMELY, CHAIRS, TABLES, STOOLS, AND SETTEES.
Claims use since October 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 510,929. AMERITAL IMPORT AND PACKING COMPANY, INC., New York, N. Y. Filed Oct. 16, 1946.

LIDIA

FOR OLIVE OIL.
Claims use since July 1, 1935.

Ser. No. 519,571. ALBERT N. COBY, INC., New York, N. Y. Filed Mar. 26, 1947.

CARMA

Applicant owns Registration No. 189,513.
FOR OLIVES AND OLIVE OIL.
Claims use since June 20, 1923.

Ser. No. 522,844. JOSEPH DELFINO, also doing business as Joseph Delfino & Sons, Portchester, N. Y. Filed May 13, 1947.

Carmelita

FOR CANNED VEGETABLES, FRUITS, FISH, TOMATO PASTE, AND OLIVES.
Claims use since 1935.

Ser. No. 524,235. THE CONSOLIDATED FLOUR MILLS COMPANY, Wichita, Kans. Filed June 16, 1947.

BURNS'

FOR WHEAT FLOUR.
Claims use since Jan. 7, 1942.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 30.1 to 30.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 543,944. J. LICHTMAN & SONS, Newark, N. J. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

LICHTMAN
LEATHERS

Applicant disclaims the word "Leathers" apart from the mark as shown.
FOR LEATHER.
Claims use since August 1937.

Ser. No. 554,220. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Apr. 9, 1948. Under section 2f of the act of 1946.

Faultless

Applicant claims ownership of Registration No. 437,885.
FOR SPONGE RUBBER, RUBBER SPONGE, AND RUBBER SPONGES.
Claims use since 1901.

Ser. No. 555,197. FRANK B. POPE, doing business as Frank B. Pope Co., Pittsburgh, Pa. Filed Apr. 21, 1948.

MAYPORITE

FOR POWDERED REFRACTORY MATERIAL FOR USE AS AN INGREDIENT IN MAKING RUBBER AND PLASTIC GOODS.
Claims use since Jan. 11, 1937.

Ser. No. 556,915. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed May 12, 1948.

HYDROPHEN

FOR WATER SOLUBLE PHENOL BASE RESINS AND WATER SOLUBLE AND UREA BASE RESINS.
Claims use since Mar. 15, 1948.

Ser. No. 557,101. ARIZONA BARITE COMPANY, Mesa, Ariz. Filed May 15, 1948.



FOR PULVERULENT BARITE FOR USE IN DRILLING FLUID FOR OIL WELLS.
Claims use since December 1945.

Ser. No. 558,133. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed May 29, 1948.

NELIO

Applicant claims ownership of Registration No. 344,820.
FOR GUM THUS, ROSIN, POLYMERIZED ROSIN, AND METAL RESINATES.
Claims use since Aug. 17, 1934.

Ser. No. 558,981. AGICIDE LABORATORIES, INC., Los Angeles, Calif. Filed June 11, 1948.

AGRASHEL

Applicant claims ownership of Registration No. 408,926.
FOR NUT SHELL AND FRUIT PIT SHELL AGGREGATES.
Claims use since June 1, 1948.

Ser. No. 558,982. AGICIDE LABORATORIES, INC., Los Angeles, Calif. Filed June 11, 1948.

PLASTOFIL

FOR NUT SHELL AND FRUIT PIT FLOUR AS A FILLER FOR SYNTHETIC RESINS.
Claims use since June 4, 1948.

Ser. No. 559,779. COLONIAL CHEMICAL CO., INC., Seattle, Wash. Filed May 10, 1948.

QUINTITE

FOR DIATOMACEOUS SILICA.
Claims use since Feb. 1, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 552,944. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 25, 1948.

FOODLAND

FOR TOILET SOAP, LAUNDRY SOAP, SOAP CHIPS, SOAP POWDER, POWDER FOR CLEANSING, SCOURING, AND POLISHING.
Claims use since January 1934.

Ser. No. 558,829. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed June 9, 1948.

VICARGEM

FOR GRANULAR, GENERAL PURPOSE CLEANSER.
Claims use since Apr. 12, 1948.

Ser. No. 566,795. THE C. B. DOLGE COMPANY, Westport, Conn. Filed Oct. 11, 1948.

GLAS-MET

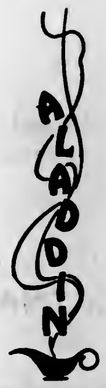
The word "Glas" is disclaimed apart from the mark.
FOR GLASS CLEANER AND METAL POLISH.
Claims use since Sept. 1, 1948.

Ser. No. 567,626. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Oct. 26, 1948.

FLUDS

FOR SOAP.
Claims use since Aug. 11, 1948.

Ser. No. 567,871. NEW ENGLAND CARBIDE TOOL COMPANY, INC., Cambridge, Mass. Filed Oct. 29, 1948.



FOR KNIFE SHARPENER HAVING A STATIONARY FRAME WHICH HOLDS A PIECE OF TUNGSTEN CARBIDE ADJACENT A SLOT THROUGH WHICH THE KNIFE IS DRAWN.
Claims use since July 19, 1946.

CLASS 5

ADHESIVES

Ser. No. 556,650. LEO E. REEDER, doing business as SL Fluid Co., Pasadena, Calif. Filed May 10, 1948.

SL

FOR COMPOUND TO STOP SLOW LEAKS IN BASKET BALLS, SOCCER BALLS.
Claims use since Feb. 1, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 508,238. PARFUMERIE & SAVONNERIE GILOT, SOCIETE ANONYME, Paris, France. Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 1, 1947. Under section 2f of the act of 1946.

GILOT

Applicant claims ownership of French Registration No. 345,726 dated June 11, 1943.
FOR PERFUMES, TOILET WATERS, ROUGES, AND LIPSTICKS.

Ser. No. 519,838. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Original filed, act of 1905, Mar. 29, 1947; amended to application under act of 1946, Principal Register, Mar. 22, 1949. Under section 2f of the act of 1946.

Staley's

Applicant claims ownership of Registrations Nos. 142,777, 293,391, and 365,827.
FOR NUTRIENT MEDIAN FOR MOLD GROWTH SUCH AS THOSE ORGANISMS WHICH ARE USED TO PRODUCE ANTIBIOTICS AS PENICILLIN AND STREPTOMYCIN.
Claims use since May 12, 1944.

Ser. No. 527,429. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed July 5, 1947.

FLANITHIN

Applicant claims ownership of Registration No. 377,465.
FOR PREPARATION FOR THE TREATMENT OF VITAMIN DEFICIENCIES AND HYDROCHLORIC ACID DEFICIENCIES AND HYPOCHLORHYDRIA.
Claims use since August 1939.

Ser. No. 527,504. THE EDWAL LABORATORIES, INC., Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

QUICK-FIX

FOR HIGH SPEED FIXING SOLUTION CONTAINING AMMONIUM THIOSULFATE IN PLACE OF HYPO.
Claims use since Jan. 1, 1940.

Ser. No. 529,603. THE COLUMBIA MALTING COMPANY, Chicago, Ill. Filed July 26, 1947.

COLASE

FOR DIASTATIC OR AMYLOLYTIC ENZYMES IN JENERAL; PROTEOLYTIC ENZYMES IN GENERAL; CARBOHYDRASES IN GENERAL, INCLUDING MALTASES, DEXTRINASES HEMICELLULASES AND PECTINASES, USED AS INGREDIENTS OF FOODS AND PHARMACEUTICALS AND IN STARCH PROCESSING.
Claims use since July 2, 1947.

Ser. No. 530,526. LANCOME, S. A., Paris, France. Filed Aug. 5, 1947.

LIMPIDIS

Applicant claims ownership of French Registration No. 362,205 dated Nov. 29, 1945.
FOR PERFUMES AND ROUGE.

Ser. No. 534,606. EILEEN BABB COKER, doing business as Ei-Ba-Co Chemical Company, Columbia, S. C. Filed Sept. 16, 1947.

EI-BA-CO

FOR HOUSEHOLD INSECTICIDE SOLD ONLY FOR KILLING ROACHES OR WATERBUGS.
Claims use since July 11, 1947.

Ser. No. 539,910. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Nov. 1, 1947.

SANAGRAN

Claims priority under Sec. 44 (d). Applicant claims ownership of French Registration No. 376,650 dated Apr. 11, 1947.
FOR PREPARATION RECOMMENDED FOR AGRICULTURAL USE AS A DISINFECTANT FOR THE PROTECTION OF SEEDS AGAINST CRYPTOGAMIC DISEASES.

Ser. No. 544,770. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 18, 1947.

A-P-C

FOR ASPIRIN COMPOUND TABLETS.
Claims use since Jan. 1, 1946.

Ser. No. 544,919. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 19, 1947.

RESUSSIC

FOR GENERAL TONIC FOR HUMAN USE.
Claims use since Nov. 28, 1947.

Ser. No. 545,264. KERR SALT COMPANY, Philadelphia, Pa. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

KERR'S

FOR BATH SALT.
Claims use since Feb. 15, 1890.

Ser. No. 545,881. PERMATEX COMPANY, INC., Brooklyn and Sheepshead Bay, N. Y. Filed Dec. 31, 1947.



Applicant claims ownership of Registration No. 93,418.
FOR CHEMICAL COMPOUND IN POWDER FORM FOR AUTOMOTIVE COOLING SYSTEMS FOR DISSOLVING RUST AND SCALES; A CHEMICAL COMPOUND ON NON-CORROSIVE LUBRICANT FOR USE ON CERTAIN TYPES OF SHOCK ABSORBERS.
Claims use since April 1933.

Ser. No. 548,419. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

Dr. Scholl's "2" Drop Corn Remedy

No registration rights are claimed for the words "Corn Remedy" apart from the mark shown. Applicant claims ownership of Registrations Nos. 275,209, 278,423, 327,406, and 341,542.
FOR PREPARATION FOR THE TREATMENT OF HARD OR SOFT CORNS OR CALLI.
Claims use since 1917.

Ser. No. 550,285. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Feb. 24, 1948.

PHOSCIDE

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES.
Claims use since Jan. 9, 1948.

Ser. No. 552,829. F. B. ANDERSON OIL CO., Portland, Conn. Filed Mar. 24, 1948.

Lusol

FOR WATER SOLUBLE CUTTING AND COOLING FLUID FOR USE WITH GRINDING AND CUTTING TOOLS.
Claims use since Sept. 26, 1945.

Ser. No. 553,873. THEODORA LEVINE, doing business as The Myalera Co., Brooklyn, N. Y. Filed Apr. 5, 1948.



FOR HAIR AND SCALP PREPARATIONS—NAMELY, POMADE FOR STRAIGHTENING CURLY HAIR AND IMPROVING THE SCALP.
Claims use since Nov. 1, 1947.

Ser. No. 556,608. THOMAS TYRER & COMPANY LIMITED, Stratford, England. Filed May 8, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 26,895.
FOR CHEMICALS USED IN THE MANUFACTURE OF VARIOUS PROPRIETARY MEDICINES; CHEMICALS FOR THE RUBBER, PRINTING, PLATING, DYEING INDUSTRIES AND THE HYDROGENATION OF EDIBLE OILS; AND CHEMICALS FOR ANALYSIS AND LABORATORY USE.
Claims use in Great Britain since June 1891.

Ser. No. 557,868. PHARMAX LIMITED, Kent, England. Filed May 26, 1948.

DIUROMIL

Applicant claims ownership of British Registration No. 574,530 dated Jan. 19, 1937.
FOR URIC ACID SOLVENT AND URINARY ANTISEPTIC.

Ser. No. 558,414. PRISCILLA PARKER, INC., New York, N. Y. Filed June 3, 1948.



Hopeton House

FOR SKIN FRESHENER, NAIL ENAMEL, SKIN LOTION, COLOGNE, SHAMPOO, NAIL ENAMEL REMOVER, LIQUID DEODORANT, DUSTING POWDER, COMPACT POWDER, CLEANSING CREAM, NIGHT CREAM, FOUNDATION CREAM, CREAM PERSONAL DEODORANT, EYE CREAM, HAND CREAM, CREAM ROUGE, DRY ROUGE, AND LIPSTICK.
Claims use since Jan. 2, 1948.

Ser. No. 559,965. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 22, 1948.

Baci-Troche

The word "Troche" is disclaimed.
FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES HAVING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN.
Claims use since Apr. 6, 1948.

Ser. No. 560,112. CHARLES M. KROSS, conducting business under the name and style of Ivx Laboratories, Brooklyn, N. Y. Filed June 24, 1948.



FOR PHARMACEUTICAL USED FOR THE TREATMENT AND RELIEF OF POISONING BY ACRID AND BLISTERING PLANTS SUCH AS POISON IVY, POISON OAK, POISON SUMAC.
Claims use since June 1944.

Ser. No. 560,291. ROBINSON-WAGNER CO. INC., New York, N. Y. Filed June 28, 1948.

CERALAN

FOR LANOLIN ALCOHOLS IN WAX FORM.
Claims use since Mar. 15, 1948.

Ser. No. 560,302. ROBINSON-WAGNER CO. INC., New York, N. Y. Filed June 28, 1948.

HYCHOL

FOR LANOLIN CONTAINING CHOLESTEROL.
Claims use since Mar. 1, 1948.

Ser. No. 560,501. JACQUES WOLF & CO., Clifton, N. J. Filed July 1, 1948.

DILEINE

FOR EMULSIFIED PHENYL AMINE USED ON ACETATE DYED FABRICS TO PREVENT ATMOSPHERIC GAS FADING.
Claims use since Oct. 3, 1946.

Ser. No. 560,905. LES PARFUMS DE DANA, INC., New York, N. Y. Filed July 8, 1948.

BOIS DE BOULOGNE

FOR TOILET PREPARATIONS, PERFUMERY, AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS, AND ROUGE.
Claims use since May 24, 1948.

Ser. No. 561,506. RENE SCHONEFELD, Gravenhage, The Netherlands. Filed July 15, 1948.



The Dutch word "Wierook" meaning incense in the English language is disclaimed. Applicant claims ownership of The Netherlands Registration No. 84,457 dated May 13, 1946.
FOR INCENSE.

Ser. No. 562,120. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y. Filed July 24, 1948.

'DEXIN'

Applicant claims ownership of Registration No. 207,534.
FOR DIETARY MATERIAL USED FOR MODIFYING MILK FOR INFANT FEEDING AND ALSO AS AN ARTICLE OF GENERAL DIET.
Claims use since Jan. 18, 1932.

Ser. No. 562,160. HOWARD SMITH, doing business as Brentwood Distributors, New York, N. Y. Filed July 24, 1948.

Quick

FOR LIQUID PREPARATION FOR STOPPING AND PREVENTING RUNS IN LADIES' HOSIERY.
Claims use since June 1, 1948.

Ser. No. 562,921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Aug. 6, 1948.

PERDOX

FOR SODIUM PERBORATE MONOHYDRATE, USED IN THE MANUFACTURE OF TOOTH POWDERS, ARTIFICIAL DENTURE CLEANERS, FOOT POWDERS, FLOOR CLEANERS, AND FOR MANY OTHER PURPOSES.
Claims use since June 1, 1948.

Ser. No. 563,175. GOTHAM LABORATORIES CORPORATION, New York, N. Y. Filed Aug. 11, 1948.

BERTEX

FOR MEDICINE FOR THE RELIEF OF RHEUMATIC AND ARTHRITIC CONDITIONS.
Claims use since July 2, 1948.

Ser. No. 563,266. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed Aug. 12, 1948.

Urokon

FOR CONTRAST MEDIA FOR X-RAY DIAGNOSIS.
Claims use since June 11, 1948.

Ser. No. 563,762. J. STRICKLAND AND CO., Memphis, Tenn. Filed Aug. 19, 1948.

Red Plush

FOR PERFUME.
Claims use since Aug. 9, 1948.

Ser. No. 564,229. GENERAL MILLS, INC., Wilmington, Del., and Minneapolis, Minn. Filed Apr. 15, 1948.

MODIPHAT

FOR FATTY ACID ESTERS USEFUL PRINCIPALLY IN THE MANUFACTURE OF PAINT-LIKE COMPOSITIONS.
Claims use since July 15, 1947.

Ser. No. 564,562. DURMA PRODUCTS CO., Minneapolis, Minn. Filed Sept. 2, 1948.

SED-A-DENT

The word "Dent" is disclaimed apart from the mark.
FOR ANALGESIC, HEMOSTATIC, ANTISEPTIC AND DEODORIZING AGENT IN BOTH PASTE AND WICK FORMS FOR USE BY DENTISTS AS A POST EXTRACTION SOCKET TREATMENT AND IN THE TREATMENT OF PE[illegible]ONITIS.
Claims [illegible] 15, 1946.

Ser. No. 565,389. WALLACE LABORATORIES, INC., New York, N. Y. Filed Sept. 17, 1948.

T-CAP

FOR OINTMENT FOR USE IN THE TREATMENT OF FUNGUS INFECTIONS OF THE HUMAN BODY.
Claims use since May 19, 1948.

Ser. No. 565,606. ASTRA LABORATORY, Scotia, N. Y. Filed Sept. 22, 1948.

Asterma

FOR SKIN CREAM.
Claims use since July 2, 1948.

Ser. No. 565,757. DELECTO PRODUCTS CO., San Mateo, Calif. Filed Sept. 24, 1948.

Lounder

FOR PREPARED LIQUID STARCH.
Claims use since January 1946.

Ser. No. 565,898. KIP INC., Los Angeles, Calif. Filed Sept. 25, 1948.

KIP

FOR SALVES FOR THE SKIN AND BODY FOR RELIEVING PAIN AND A REMEDY FOR BURNS, BRUISES, WOUNDS, CONTUSIONS, ABRASIONS, ULCERS, AND INFLAMED CONDITIONS OF SKIN AND MUCOUS MEMBRANE.
Claims use since March 1921.

Ser. No. 566,118. THE BLOSSER COMPANY, Atlanta, Ga. Filed Sept. 30, 1948. Under section 2f of the act of 1946.

Blosser's Cigarettes

The word "Cigarettes" is disclaimed apart from the mark.
FOR CIGARETTES FOR RELIEF OF THE PAROXYSMS OF BRONCHIAL ASTHMA, TO ALLAY THE DISCOMFORTS OF EXCESSIVE SECRETIONS DUE TO HAY FEVER, AND TO EASE NASAL AND BRONCHIAL CONGESTION DUE TO COLDS.
Claims use since June 30, 1934.

566,359. PAQUIN LIMITED, Paris, France. Filed Oct. 2, 1948.

No 9

Applicant claims ownership of United States Registration No. 238,855, and French Registrations Nos. 246,887 and 369,305.
FOR PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICKS, BRILLIANTINE, LOTION FOR THE SKIN AND HAIR, BATH SALTS, DENTIFRICES.

Ser. No. 566,549. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 6, 1948.

Diurol

FOR DIURETIC.
Claims use since Jan. 1, 1900.

Ser. No. 567,086. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Oct. 16, 1948.

NOVOCELL

FOR HEMOSTATIC THERAPEUTIC SUBSTANCE.
Claims use since Sept. 28, 1948.

Ser. No. 567,087. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Oct. 16, 1948.

NOVOSOL

FOR HEMOSTATIC THERAPEUTIC SUBSTANCE.
Claims use since Sept. 28, 1948.

Ser. No. 567,327. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Blacklegol

Applicant claims ownership of Registration No. 363,041.
FOR ANTIGEN FOR THE PREVENTION OF BLACKLEG IN CATTLE.
Claims use since February 1934.

Ser. No. 567,329. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Charbonol

Applicant claims ownership of Registration No. 355,036.
FOR ANTIGEN FOR THE PREVENTION OF ANTHRAX IN LIVESTOCK.
Claims use since March 1935.

Ser. No. 567,330. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Diptussis

Applicant claims ownership of Registration No. 439,855.
FOR BIOLOGICAL IMMUNIZING AGENT FOR IMMUNIZING AGAINST DIPHTHERIA AND WHOOPING COUGH BY INOCULATION.
Claims use since July 1942.

Ser. No. 567,332. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

GONADIN

Applicant claims ownership of Registration No. 355,037.
FOR GONADOTROPIC HORMONE FROM THE SERUM OF PREGNANT MARES TO BE USED TO STIMULATE THE SEX ORGANS OF BOTH MALES AND FEMALES OF ALL SPECIES TO THEIR NORMAL FUNCTION.
Claims use since August 1936.

Ser. No. 567,333. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Pelmenal

Applicant claims ownership of Registration No. 395,826.
FOR MIXED BACTERIN FOR THE PREVENTION AND TREATMENT OF RESPIRATORY INFECTIONS IN CATTLE.
Claims use since Dec. 15, 1940.

Ser. No. 567,335. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Toxok

Applicant claims ownership of Registration No. 277,172.
FOR EXTRACTS TO BE USED FOR PREVENTION AND/OR TREATMENT OF DERMATITIS.
Claims use since February 1934.

Ser. No. 568,421. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Nov. 9, 1948.

MON AMOUR

FOR PERFUME AND TOILET WATER.
Claims use since June 28, 1948.

Ser. No. 568,581. MOLLY CHERNACK, doing business as Gold Chain Exterminators, Brooklyn, N. Y. Filed Nov. 12, 1948.

GOLD CHAIN

FOR INSECTICIDES—NAMELY, ROACH POWDER.
Claims use since Jan. 1, 1917.

Ser. No. 569,827. DOLCIN CORPORATION, New York, N. Y. Filed Dec. 3, 1948.

BEREX

FOR MEDICINAL PREPARATION FOR INTERNAL USE AS AN ANALGESIC AND IN THE RELIEF OF SYMPTOMS OF RHEUMATISM, ARTHRITIS, AND OTHER RHEUMATOID CONDITIONS.
Claims use since Jan. 6, 1947.

Ser. No. 574,463. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Feb. 24, 1949.

RHOTONE

Applicant claims ownership of Registration No. 362,344.
FOR BINDER SUITABLE FOR USE IN THE DYEING AND PRINTING OF TEXTILES.
Claims use since Nov. 16, 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 562,497. NATIONAL EXPLOSIVES COMPANY, Nashville, Tenn. Filed July 20, 1948.



No claim is made to the word "Brand" apart from the mark as shown.
FOR FIRE CRACKERS.
Claims use since May 7, 1947.

Ser. No. 571,849. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Jan. 8, 1949.

SEISMEX

FOR DYNAMITE.
Claims use since Dec. 9, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 561,777. ROLAND H. SLEIGHT, doing business as International Industrial Sales Company, Philadelphia, Pa. Filed July 20, 1948.

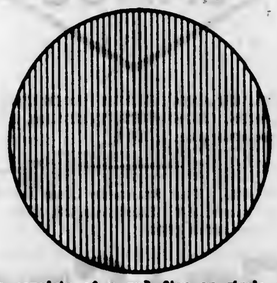
META TONE

The word "Tone" is disclaimed.
FOR INKS.
Claims use since July 2, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 524,018. ROSCOE LUMBER AND VENEER CO., Marshfield, Wis., now by change of name Roddis Plywood Corporation, a corporation of Wisconsin. Original filed, act of 1905, June 11, 1947; amended to application under act of 1946, Principal Register, Mar. 16, 1948.



The mark consists of a red disc or circle appearing on the edge of the door relatively near the upper end and is applied to the door by entering such position on the door a non-function dowel pin of homogeneous color.
FOR WOODEN DOORS.
Claims use since Apr. 2, 1947.

Ser. No. 532,109. BEACON SALES COMPANY, Charlestown, Mass. Filed Aug. 22, 1947.

YANKEE

FOR WATERPROOF COMPOUND IN PLASTIC AND LIQUID FORM CONTAINING ASPHALT AND ASBESTOS FOR GENERAL ROOFING AND WATERPROOFING PURPOSES, SHEATHING PAPER FOR TAR AND GRAVEL ROOFS AND GENERAL BUILDING PURPOSES, ASPHALT SATURATED FELT FOR SHEATHING PURPOSES, CAULKING COMPOUND, CEMENTITIOUS WATERPROOFING COMPOUND, THE PRINCIPAL INGREDIENT OF WHICH IS PAINT SKINS, FOR USE IN WATERPROOFING ROOFING SLATE AROUND VALLEYS AND AT THE EAVES, A FORMED METAL OVERHANG TO BE USED AT THE EAVES OF A BUILDING, PUTTY, ASPHALT CENTER SHEATHING PAPER, COAL TAR PITCH USED IN THE CONSTRUCTION OF BUILT UP ROOFS, RIGID ASPHALT MASTIC BOARD USED AS A BACKING FOR SIDEWALL APPLICATION, AND METAL MOULDING USED IN THE APPLICATION OF ASBESTOS SIDING SHINGLES.
Claims use on waterproof compound in plastic and liquid form containing asphalt and asbestos for general roofing and waterproofing purposes since Feb. 20, 1933; on sheathing paper for tar and gravel roofs and general building purposes since Oct. 19, 1936; on asphalt saturated felt for sheathing purposes since Aug. 1, 1933; on caulking compound since Nov. 23, 1936; on cementitious waterproofing compound for use in waterproofing roofing slate around valleys and at the eaves since Oct. 16, 1941; on a formed metal overhang to be used at the eaves of a building since Mar. 14, 1945; on putty since Nov. 8, 1945; on asphalt center sheathing paper since Feb. 11, 1946; on coal tar pitch used in the construction of built up roofs since June 12, 1946; on rigid asphalt mastic board used as a backing for sidewall application since Feb. 21, 1947; and on metal moulding used in the application of asbestos siding shingles since June 6, 1947.

Ser. No. 536,546. INGENIÖRSFIRMA ROBERT LEJMARK A. B. Timmernabben, Sweden. Filed Oct. 21, 1947.

TRETONG

Applicant claims ownership of Swedish Registration No. 38,182, dated Jan. 27, 1931.
FOR SAWDUST TO BE USED AS FILLING MATERIAL FOR CONCRETE AND LIMESTONE MORTAR AND MANUFACTURED PRODUCTS OF SAME.
Claims use in Sweden since Nov. 26, 1930.

Ser. No. 538,579. WINDOW CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 21, 1947.



The drawing is lined for blue. The words "Window Corporation of America," "Aluminum Windows," and "New York, N. Y.," and the representation of the window are disclaimed.
FOR ALUMINUM WINDOWS, RESIDENTIAL AND COMMERCIAL TYPES.
Claims use since May 16, 1946.

Ser. No. 545,288. J. A. SEBAUER MFG. CO., INC., New York, N. Y. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

Stay-tite

Applicant claims ownership of Registrations Nos. 162,650, 169,925, and 168,516.
FOR PIPE JOINT CEMENT.
Claims use since 1922.

Ser. No. 547,777. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

DUBL-COVERAGE

Applicant claims ownership of Registration No. 390,068.
FOR ASPHALT ROLL ROOFINGS AND SHINGLES.
Claims use since 1935.

Ser. No. 540,263. CURTIS COMPANIES INCORPORATED, Clinton, Iowa. Filed Nov. 17, 1947. Under section 2f of the act of 1946.

1865
CURTIS

FOR SASHES, DOORS, BLINDS, STAIRWAYS, WOODEN MOLDINGS, WOODEN FRAMES FOR DOORS AND WINDOWS, STRUCTURAL WOODEN BRACKETS, WOODEN BANNISTERS, WOODEN COLUMNS AND NEWELS, PORCH RAILS, PERMANENT BUILT-IN SIDEBOARDS, PERMANENT BUILT-IN BUFFETS, PERMANENT BUILT-IN PEDESTALS, PERMANENT BUILT-IN BOOKCASES, BUILT-IN MANTEL SHELVES, BUILT-IN KITCHEN CUPBOARDS, PANELING, FLOORING, WOODEN STORE FRONTS, COMPLETE STAIRS, STAIR PARTS, BUILT-IN CHINA CLOSETS, BUILT-IN DINING ROOM ALCOVES, BUILT-IN BREAKFAST NOOKS, BUILT-IN MEDICINE CASES, BUILT-IN HANGING CASES, BUILT-IN MANTELS, BUILT-IN TRAY CASES, BUILT-IN LINEN CASES, BUILT-IN DRESSING TABLES, PORCH COLUMNS, PORCH NEWELS, PORCH BRACKETS, PORCH BALUSTERS, WINDOWS, SCREEN DOORS AND BUILT-IN SCREEN WINDOWS, DOORFRAMES AND WINDOW FRAMES, ENTRANCE FRAMES, INTERIOR AND EXTERIOR MOLDINGS, DOOR AND WINDOW TRIM.
Claims use since June 1913.

Ser. No. 549,654. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 13, 1948.

PENNSALT

HFK

FOR MATERIAL OF CONSTRUCTION OF THE NATURE OF SELF-HARDENING ORGANIC RESIN COMPOSITION, USED AS A BONDING CEMENT FOR ACID-PROOF BRICK OR TILE, AND INGREDIENTS FOR PREPARING SUCH CEMENT, INCLUDING AN ACID-SETTABLE ORGANIC RESINOUS REACTION MIXTURE, AND A SEPARATE COMPOSITION THAT INCLUDES A SETTING AGENT FOR SAID RESINOUS REACTION MIXTURE.
Claims use since Oct. 9, 1947.

Ser. No. 553,007. AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass. Filed Mar. 26, 1948.

SISALATION

Applicant claims ownership of Registration No. 413,289.
FOR REENFORCED PAPER USED AS A BUILDING OR INSULATING PAPER.
Claims use since Sept. 5, 1944.

Ser. No. 555,680. THE LANGDALE COMPANY, Valdosta, Ga. Filed Apr. 27, 1948.

LANCO

FOR LUMBER AND TIMBER PRODUCTS—NAMELY, POLES, POSTS, CROSS-TIES, TIMBERS, AND PILING.
Claims use since Aug. 1, 1947.

Ser. No. 564,029. THE STANDARD LIME AND STONE COMPANY, Baltimore, Md. Filed Apr. 28, 1948. Under section 2f of the act of 1946.

STASET

Applicant claims ownership of Registration No. 373,260.
FOR REFRACTORY MATERIAL FOR USE IN METALLURGICAL FURNACES.
Claims use since Sept. 23, 1938.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 529,063. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

Gasweld

Applicant claims ownership of Registration No. 402,889.
FOR ACETYLENE REGULATING VALVES.
Claims use since Apr. 15, 1942.

Ser. No. 529,064. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

Gasweld

Applicant claims ownership of Registrations Nos. 400,001, 400,002, and 402,889.
FOR ACETYLENE REGULATING VALVES.
Claims use since Apr. 15, 1942.

Ser. No. 534,151. KOKOMO SANITARY POTTERY CORPORATION, Kokomo, Ind., and Chicago, Ill. Filed Sept. 11, 1947.



FOR VITREOUS CHINA WATER CLOSETS, TANKS, AND BOWLS.
Claims use since 1907.

Ser. No. 537,655. LESLIE W. BEERS, Oak Park, Ill. Filed Oct. 13, 1947.

PRESTOE

FOR FOOT OPERATED WATER VALVES, FOR MIXING AND DISPENSING HOT AND COLD WATER.
Claims use since July 20, 1942.

Ser. No. 538,216. THE YALE & TOWNE MANUFACTURING COMPANY, New York, N. Y. Filed Oct. 17, 1947.

AIRLINER

FOR PNEUMATIC DOOR CLOSERS.
Claims use since December 1939.

Ser. No. 550,636. WATERBURY COMPANIES, INCORPORATED, Waterbury, Conn. Filed Feb. 26, 1948.

Soda-Mizer

Applicant claims ownership of Registration No. 385,379.
FOR BOTTLE SYPHONS.
Claims use since Oct. 1, 1940.

Ser. No. 550,887. THE AMERICAN FASTENER COMPANY, Waterbury, Conn. Filed Mar. 1, 1948. Under section 2f of the act of 1946.

LOCKFAST

Applicant claims ownership of Registration No. 243,366.
FOR SLIDER CONTROLLED SEPARABLE FASTENERS.
Claims use since Jan. 29, 1927.

Ser. No. 551,430. ASSOCIATED SPRING CORPORATION, doing business as Barnes-Gibson Raymond, Bristol, Conn., Detroit, Mich., and elsewhere. Filed Mar. 8, 1948.

BGR

FOR EXTENSION, COMPRESSION, AND TORSION SPRINGS AND SPRINGS OF GENERAL USE.
Claims use since 1923.

Ser. No. 552,477. DOLLAR ST. LOUIS CORPORATION, St. Louis, Mo. Filed Apr. 1, 1948.

"Soda-Jerk"

No claim is made to the word "Soda" apart from the mark as shown.
FOR SODA WATER BOTTLES.
Claims use since Mar. 15, 1948.

Ser. No. 557,267. EASTERN METAL PRODUCTS CO., Tuckahoe, N. Y. Filed May 18, 1948.

Swift-Lite

FOR COOKING UTENSILS, SPECIFICALLY PRESSURE COOKERS.
Claims use since Apr. 1, 1948.

Ser. No. 560,428. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed June 29, 1948.

ANGELAIRE

FOR METAL BAKING PANS.
Claims use since Mar. 15, 1948.

Ser. No. 561,220. THE ACTUS CORPORATION, Mount Vernon, N. Y. Filed July 12, 1948.

ACTUS



NEVER LEAK

No claim is made to the words "Never Leak" apart from their use in the mark as shown.
FOR HOSE CLAMPS.
Claims use since June 1, 1948.

Ser. No. 561,282. THE ACTUS CORPORATION, Mount Vernon, N. Y. Filed July 14, 1948.

WrapLock



NEVER LEAK

No claim is made to the words "Lock" and "Never Leak" apart from the mark as shown. Applicant claims ownership of Registration No. 225,962.
FOR HOSE CLAMPS.
Claims use since Nov. 29, 1941.

Ser. No. 561,656. CHAMBERLIN COMPANY OF AMERICA, Detroit, Mich. Filed July 19, 1948. Under section 2f of the act of 1946.

CHAMBERLIN

Applicant claims ownership of Registrations Nos. 86,784, 228,630, and others.
FOR SCREENS—NAMELY, FIREPLACE SCREENS, DETENTION SCREENS, PROTECTION SCREENS, AND INSECT SCREENS.
Claims use since Mar. 20, 1931.

Ser. No. 563,833. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed Aug. 21, 1948.

poporaire

FOR METAL BAKING PANS.
Claims use since June 1, 1948.

Ser. No. 563,948. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed Aug. 24, 1948.

Presto

Applicant claims ownership of Registration No. 384,491.
FOR COFFEE URNS AND COFFEE MAKERS.
Claims use since May 4, 1948.

Ser. No. 564,024. U. S. EXPANSION BOLT CO., York, Pa. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

"LEDLOK"

Applicant claims ownership of Registration No. 377,895.
FOR EXPANSION SHIELDS.
Claims use since August 1938.

Ser. No. 564,025. U. S. EXPANSION BOLT CO., York, Pa. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

"CLOSED BACK"

Applicant claims ownership of Registration No. 378,216.
FOR EXPANSION SHIELDS.
Claims use since 1920.

Ser. No. 564,028. U. S. EXPANSION BOLT CO., York, Pa. Filed Apr. 27, 1948.

"Rytway"

Applicant claims ownership of Registration No. 237,736.
FOR EXPANSION SHIELDS.
Claims use since Aug. 15, 1927.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 548,397. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

SUREWELD

Applicant claims ownership of Registration No. 405,945.
FOR METALLIC ELECTRODES FOR ELECTRIC ARC WELDING.
Claims use since July 1932.

Ser. No. 557,280. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y. Filed May 19, 1948.

FERROXCUBE

FOR FERRO-MAGNETIC CORES AND SHIELDING MATERIALS.
Claims use since May 6, 1947.

Ser. No. 561,652. THE CARPENTER STEEL COMPANY, Reading, Pa. Filed July 19, 1948. Under section 2f of the act of 1946.

HAMPDEN

Applicant claims ownership of Registration No. 268,882.
FOR STEEL IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES.
Claims use since June 3, 1926.

Ser. No. 564,164. LEE B. SHARPE, Falls Church, Va. Filed Aug. 25, 1948.

PERMA-LINK

The word "Link" is disclaimed.
FOR UNFINISHED BASE METAL BLANKS, TO BE FINISHED, FOR USE IN MAKING ARTICLES OF HOBBY CRAFT.
Claims use since Sept. 9, 1947.

Ser. No. 566,271. BETMUR STEEL CORPORATION, Detroit, Mich. Filed Aug. 16, 1948.

"BETMUR"

FOR SHEET STEEL.
Claims use since June 9, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 513,498. J. L. GALEF & SON, INC., New York, N. Y. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Principal Register, July 7, 1948. Under section 2f of the act of 1946.

Monte Carlo

FOR GUN LUBRICATING OIL, LUBRICATING OIL, AND GUN GREASE.
Claims use since 1922.

Ser. No. 548,618. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Feb. 2, 1948.

ROYAL TRITON

Applicant claims ownership of Registration No. 350,807.
FOR LUBRICATING OILS.
Claims use since June 18, 1947.

Ser. No. 555,324. TOPSALL LUBRICANTS, INC., Kenmore, N. Y. Filed Apr. 22, 1948.



"TOPS FOR LUBRICATION"

The words "double duty" and "lubricants" and the slogan "Tops for Lubrication" are disclaimed. Applicant claims ownership of Registration No. 392,628.
FOR MOTOR AND INDUSTRIAL LUBRICATING OILS AND GREASES.
Claims use since Mar. 15, 1948.

Ser. No. 559,905. COMPANIA SWIFT DE MONTEVIDEO, S. A., Montevideo, Uruguay. Filed June 22, 1948.



Applicant claims ownership of Uruguayan Registration No. 46,037, dated Oct. 10, 1947.
FOR CANDLES.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 539,888. STEWART PAINT MFG. CO., Minneapolis, Minn. Filed July 19, 1947.

CHIPPEWA CHIEF



Applicant claims ownership of Registration No. 230,961.
FOR MIXED PAINT READY FOR USE.
Claims use since Aug. 10, 1926.

Ser. No. 556,128. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed May 3, 1948.

REPTONE

FOR FLAT WALL PAINT AND PAINT-ENAMEL UNDERCOAT.
Claims use since Dec. 4, 1926.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 562,042. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

CONQUEROR

FOR SNUFF.
Claims use since 1900.

Ser. No. 562,045. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

NORSEMAN

FOR SNUFF.
Claims use since 1918.

Ser. No. 562,046. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

SOCIETY

FOR SNUFF.
Claims use since 1905.

Ser. No. 530,564. LARUS & BROTHER COMPANY, also doing business as Reed Tobacco Company, Branch, Larus & Brother Company, Richmond, Va. Filed July 7, 1949. Under section 2f of the act of 1946.

Yorktown

Applicant claims ownership of Registration No. 271,295.
FOR CIGARETTES.
Claims use since October 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 534,256. EDWARDS AND COMPANY, INC., Norwalk, Conn. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

EDWARDS

FOR ELECTRICAL GOODS AND APPARATUS CONSISTING OF ELECTRICALLY OPERATED AUDIBLE SIGNALING APPARATUS—NAMELY, ELECTRIC BELLS, DOORBELLS, GONGS, BUZZERS, COMBINED BELLS AND BUZZERS, CHIMES, HORNS, SIRENS, CALL STATIONS; ELECTRICALLY OPERATED VISUAL AND COMBINED VISUAL AND AUDIBLE SIGNALING APPARATUS—NAMELY, ANNUNCIATORS, ELEVATOR SIGNALS, DROP SIGNALS, LAMP SIGNALS, HOSPITAL SIGNALLING APPARATUS AND SYSTEMS, AND RAILWAY CAR SIGNAL APPARATUS; ELECTRIC DOOR RELEASES; ELECTRIC PUSH BUTTONS; ELECTRIC SWITCHES, PLUGS, AND CONNECTOR BLOCKS; ELECTRIC RELAYS; ELECTRIC FLOOR TREADS AND MATTING INCORPORATING A SWITCH ADAPTED TO BE CLOSED BY WEIGHT EXERTED THEREON; ELECTRIC BURGLAR ALARMS; ELECTRIC FIRE ALARMS, ELECTRICAL HIGH AND LOW TEMPERATURE ALARMS, ELECTRICAL HIGH AND LOW WATER ALARMS, CENTRAL STATION ALARMS FOR INDICATING WHEN ANYTHING GOES WRONG WITH GENERATING EQUIPMENT; ELECTRIC CODE SENDERS; ELECTRIC PAGING SYSTEMS; TELEPHONES; ELECTRIC TRANSFORMERS; RECTIFYING UNITS; ELECTRIC RELAYS, SOLENOIDS; ELECTRIC PANELS, ELECTRIC WIRES AND CORDS; AND HARDWARE FOR THE FOREGOING—NAMELY, OUTLET BOXES, WALL PLATES, AND GRILLES.
Claims use since 1872.

Ser. No. 536,111. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Sept. 29, 1947.

Concerto

Applicant claims ownership of Registration No. 342,490.
FOR RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS, INCLUDING CABINETS THEREFOR.
Claims use since May 1936.

Ser. No. 556,882. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 12, 1948. Under section 2f of the act of 1946.

ALL-WEATHER

Applicant claims ownership of Registration No. 276,932.
FOR STORAGE BATTERIES.
Claims use since June 27, 1929.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 519,836. MATTEL CREATIONS, Culver City, Calif. Original filed, act of 1905, Mar. 29, 1947; amended to application under act of 1946, Principal Register, Dec. 11, 1948.

UKE a doodle

The word "Uke" is disclaimed apart from the mark.
FOR TOY UKULELES.
Claims use since Jan. 20, 1947.

Ser. No. 539,532. LUBLIN PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 30, 1947.

PEDAL PACER

The word "Pedal" is disclaimed apart from the mark as shown.
FOR PEDAL OPERATED TOY VEHICLE OF THE SCOOTER TYPE.
Claims use since Oct. 25, 1947.

Ser. No. 550,164. C. M. MCCLUNG & CO., Knoxville, Tenn. Filed Feb. 19, 1948.

CUMBERLAND

Applicant claims ownership of Registration No. 88,508.
FOR TARGETS, BASEBALL BATS, BASEBALL GLOVES, AND MITTS, BASEBALL BODY PROTECTORS, LAWN TENNIS RACKETS, SUSPENDED-TYPE HAMMOCKS, FOOTBALLS, BOXING GLOVES, BASKET BALLS, DUMB BELLS, TOY WAGONS, FISHING REELS, BASEBALLS, BASEBALL MASKS, LAWN TENNIS BALLS, CROQUET SETS, NOSE AND FACE GUARDS AND FISHING TACKLE, COMPRISING RODS, REELS, LINE AND SNELLED HOOKS.
Claims use since 1897.

Ser. No. 550,203. S. ALLCOCK & COMPANY LIMITED, Redditch, Worcester, England. Filed Feb. 20, 1948. Under section 2f of the act of 1946.



"MODEL PERFECT"

Applicant claims ownership of United States Registration No. 166,780 and British Registration No. 330,426 dated Nov. 2, 1917.
FOR FISH HOOKS.

Ser. No. 551,400. EDDIE POPE, Montrose, Calif. Filed Mar. 6, 1948.

HOT-SHOT

FOR ARTIFICIAL FISH LURES.
Claims use since Feb. 14, 1948.

Ser. No. 556,887. HORNET, INC., Elyria, Ohio. Filed May 12, 1948.

"HORNET"

FOR ARTIFICIAL FISHING LURES.
Claims use since May 18, 1941.

Ser. No. 557,848. IDEAL NOVELTY & TOY CO., Hollis, N. Y. Filed May 26, 1948.

"Betsy Burp"

The word "Burp" is disclaimed apart from the mark as shown.
FOR DOLLS.
Claims use since May 12, 1948.

Ser. No. 558,244. ROMA ART COMPANY, Seattle, Wash. Filed June 1, 1948.

FATSO

FOR CHILDREN'S BANKS.
Claims use since May 24, 1948.

Ser. No. 562,064. IZUO BROTHERS, Honolulu, Hawaii. Filed July 22, 1948.

TANKICHI'S



The Japanese word "Tankichi" and characters mean "Sure Good Luck."

FOR FISHING TACKLE—NAMELY, HOOKS, SPEARS, AND LEADERS.

Claims use since July 1937.

Ser. No. 562,087. JOHN SCARNE, Fairview, N. J. Filed July 23, 1948.

Teeko

Applicant claims ownership of Registration No. 419,236.

FOR GAME PLAYED WITH A CHECKERED BOARD AND COUNTERS.

Claims use since June 20, 1948.

Ser. No. 562,169. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 24, 1948.

WONDERBALL

FOR GOLF BALLS.

Claims use since July 7, 1948.

Ser. No. 562,869. THE MERMADE BAIT CO., INC., Cleveland, Ohio. Filed Aug. 5, 1948.

SCATBACK

FOR ARTIFICIAL BAIT.

Claims use since Aug. 8, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 516,686. GENERAL UTILITIES DI[illegible]ORS, INC., Chicago, Ill. Original filed, act of 19[illegible] 31, 1947; amended to application under act of [illegible]ncipal Register, Oct. 4, 1947.

Continental

FOR SEWING MACHINES.

Claims use since August 1946.

Ser. No. 539,857. DANLY MACHINE SPECIALTIES, INC., Chicago, Ill. Filed Nov. 1, 1947. Under section 2f of the act of 1946.

DANLY

FOR POWER PRESSES, DIE SETS, TOOL MAKER SUPPLIES, GAGE MAKER SUPPLIES, AND DIE MAKER SUPPLIES—NAMELY, GUIDE POST BUSHINGS, GUIDE POSTS, DIE SPRINGS, GOOSE-NECK CLAMPS, TOGGLE CLAMPS, PUNCH SHANKS, SWIVEL ADAPTERS, LAPS, ARBORS, PRY BARS, AND BOLSTER PLATES.

Claims use since Aug. 17, 1923.

Ser. No. 540,135. ALLEN COMPANY, New Bedford, Mass. Filed Nov. 5, 1947. Under section 2f of the act of 1946.

NEW BEDFORD, MASS. ALLEN COMPANY.

The words "New Bedford, Mass. Allen Company" are disclaimed apart from the mark as shown.

FOR SECTION-BEAMS, SECTION-BEAM HEADS, LOOM-BEAMS, LOOM-BEAM HEADS, WARP-ROLLS, AND MILL SUPPLIES.

Claims use since Nov. 1, 1918.

Ser. No. 542,105. THE EIMCO CORPORATION, Salt Lake City, Utah. Filed Nov. 24, 1947.

EIMCO

FOR MINING, METALLURGICAL, CHEMICAL PROCESS AND CONTRACTORS' EQUIPMENT—NAMELY, BALL, ROD, AND TUBE MILLS, CRUSHERS, CLASSIFIERS, THICKENERS, JIGS FOR CLEANING AND CONCENTRATING ORES, INDUSTRIAL AGITATORS FOR CHEMICAL AND METALLURGICAL PURPOSES, ORE FLOTATION MACHINERY, REDUCTION MACHINERY, LOADERS, UNLOADERS, HOISTING MACHINES, INDUSTRIAL SCREENS, SCREENING MACHINERY, CONVEYORS, HOISTING CAGES FOR MINING AND INDUSTRIAL PURPOSES, INDUSTRIAL DIAPHRAGM PUMPS FOR USE IN METALLURGICAL AND CHEMICAL PROCESSES, GRADERS, LEVELLERS, MIXERS, PNEUMATIC GENERATORS, COMPRESSORS, SPREADERS, SCARIFIERS, SCRAPERS.

Claims use since Aug. 1, 1930.

Ser. No. 543,986. JESS S. RASK, Wheeling, Ill. Filed Dec. 10, 1947.

Sliservolt

FOR CHEESE SPOON.

Claims use since July 30, 1947.

Ser. No. 553,500. MECHANISED HORTICULTURAL IMPLEMENTS LIMITED, London, E. C. 2, England. Filed Mar. 31, 1948.

ATOM

Applicant claims ownership of British Registration No. 632,856, dated Nov. 16, 1944.

FOR CULTIVATORS AND TRACTORS.

Ser. No. 557,762. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed May 25, 1948.

Presstar

FOR OUTBOARD MOTORS.

Claims use since Feb. 17, 1948.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 497,520. AMERICAN PHOTOGRAPHIC APPLIANCE CORPORATION, Greenfield, Mass. Original filed, act of 1905, Mar. 2, 1946; amended to application under act of 1946, Supplemental Register, Aug. 24, 1948; amended to Principal Register, May 10, 1949.

Presto Printer

The word "Printer" is disclaimed.

FOR PHOTOGRAPHIC ENLARGING APPARATUS.

Claims use since Jan. 25, 1946.

Ser. No. 521,022. THE LUFKIN RULE CO., Saginaw, Mich. Original filed, act of 1905, Apr. 19, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948. Under section 2f of the act of 1946.

LUFKIN

FOR MEASURING TAPES—NAMELY, STEEL TAPES, IN CASES, BOTH HAND WOUND AND SPRING WOUND; IN FRAMES, IN REELS, AND TAPE-LINES ONLY; WOVEN MEASURING TAPES WITH AND WITHOUT CASES, HAND WOUND AND SPRING WOUND; MEASURING TAPE ACCESSORIES—NAMELY, PLUMB BOBS, TAPE WIPERS, DETACHABLE TAPE HOOKS, TAPE CLAMP HANDLES; PRECISION MEASURING TOOLS—NAMELY, MICROMETERS, INSIDE, OUTSIDE, DEPTH MICROMETERS; DEPTH GAUGES WITH RULES; COMBINATION SQUARES; SOLID SQUARES; INDICATORS OF DIAL OR POINTER TYPE SUCH AS THOSE USED BY TOOL MAKERS TO SHOW SURFACE VARIANTS, AS FOR EXAMPLE, IF A WORK PIECE IS OUT OF ROUND; PLANER GAUGES; CENTER GAUGES; PROTRACTORS; UNIVERSAL BEVELS; CALIPERS; SPRING ACTUATED, FIRM JOINT, SCREW ADJUSTING, POCKET SLIDE; DIVIDERS; TELESCOPE GAUGES; RADIUS GAUGES (BLADES WITH A GIVEN RADIUS LEAF, IN A CASE); THICKNESS GAUGES, COIL AND LEAF FORM; SCREW PITCH GAUGE IN A CASE; UNIVERSAL SURFACE GAUGES; V-BLOCK; POCKET SCRIBERS; AND MEASURING RULES—NAMELY, WOOD RULES OF THE FOLLOWING DESCRIPTIONS; FOLDING SPRING JOINT, BOXWOOD FOLDING, BOARD AND LOG, FLATWOOD, HIGH SIZE STICKS, TAILOR SQUARES, L AND T SQUARES; ALUMINUM FOLDING RULES; STEEL MEASURING RULES, FOLDING, AND STRAIGHT; BRASS RULES, FOLDING AND STRAIGHT.

Claims use since Sept. 1, 1903.

Ser. No. 527,410. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed July 5, 1947. Under section 2f of the act of 1946.

Burroughs

Applicant claims ownership of Registrations Nos. 66,134, 333,110, 395,158, 395,607, 343,430, and 343,467.

FOR BUSINESS MACHINES—NAMELY, ADDING MACHINES, LISTING MACHINES, CALCULATING MACHINES, KEY OPERATED CALCULATORS, AUTOMATIC CALCULATORS, BOOKKEEPING MACHINES, ACCOUNTING MACHINES, STATISTICAL MACHINES, BILLING MACHINES, TYPEWRITER-CALCULATING MACHINES, ADDING MACHINES WITH CASH DRAWERS ATTACHED THERETO, CASH REGISTERS, AND PARTS FOR ALL OF SAID MACHINES, INCLUDING PLATEN TWIRLERS, RUBBER FEET, AND RUBBER KEY TOPS.

Claims use on adding machines since 1886; on listing machines since 1886; on calculating machines since 1886; on key-operated calculators since November 1912; on automatic calculators since 1886; on bookkeeping machines since May 1909; on accounting machines since May 1909; on statistical machines since May 1909; on billing machines since January 1922; on typewriter-calculating machines since January 1923; on cash machines since November 1927; on cash registers since September 1933; and on parts for said machines, including platen twirlers, rubber feet, and rubber key tops on the dates above specified for each of said machines.

Ser. No. 529,581. BELL & HOWELL COMPANY, Chicago, Ill. Filed July 26, 1947. Under section 2f of the act of 1946.

BELL & HOWELL COMPANY

FOR MOTION PICTURE PROJECTORS, MOTION PICTURE FILM CLEANERS CONSTRUCTED TO BE ATTACHED TO MOTION PICTURE PROJECTORS AND COMPRISING CLEANING BELTS BETWEEN WHICH FILM IS DRAWN AS A FILM IS FED BY A PROJECTOR AND MEANS FOR MOISTENING THE CLEANING BELTS WITH FILM CLEANING FLUID, FILM TITLERS, FILM SPLICERS, AND LENS CLEANING KITS, EACH KIT COMPRISING LENS CLEANING TISSUE, LENS CLEANING LINEN, A LENS CLEANING BRUSH, AND LENS CLEANING FLUID.
Claims use since Nov. 12, 1926.

Ser. No. 531,452. EUGENE DIETZGEN CO., Chicago, Ill. Filed Aug. 15, 1947.

REDIRULE

FOR SLIDE RULES.
Claims use since July 29, 1944.

Ser. No. 533,925. SAMPSEL TIME CONTROL, INC., Spring Valley, Ill. Filed Sept. 9, 1947.

Sampsel

FOR CONTROL SWITCHES—NAMELY, (1) TIME SWITCHES USED AS FIRE PILOT CONTROLS, (2) PRESSURE ACTUATED CONTROL SWITCHES USED AS STEAM AND HOT WATER LIMIT CONTROLS, (3) THERMOSTATIC AND BIOMETRIC THERMOSTATIC SWITCHES.
Claims use since Oct. 1, 1939, on Item 1, and since May 1, 1947, on Items 2 and 3.

Ser. No. 544,150. BURT C. BROWN, doing business as O-K Scale Company, Buffalo, N. Y., assignor to S. Howes Co., Inc., Silver Creek, N. Y. Filed Dec. 12, 1947. Under section 2f of the act of 1946.

"O-K"

FOR RAGGING SCALES.
Claims use since July 15, 1934.

Ser. No. 549,005. ROYAL DRAFTING INSTRUMENT CO., Royal Oak, Mich. Filed Feb. 6, 1948.

ROYAL

FOR DRAFTING INSTRUMENTS.
Claims use since Jan. 15, 1944.

Ser. No. 557,733. MANUFACTURE D'HORLOGERIE DE BETHUNE, Bethune, France. Filed May 25, 1948.

Æ
"ÆQUITAS"

Applicant claims ownership of French Registration No. 316,071, dated Jan. 7, 1911.
FOR AUTOMATIC PLATFORM SCALES.

Ser. No. 559,837. HORACE A. DECKER, Toledo, Ohio. Filed June 21, 1948.

TRI-CAL

FOR DRAFTING TRIANGLES.
Claims use since Nov. 15, 1947.

Ser. No. 560,711. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed July 2, 1948.

HI TOTEM

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since June 29, 1948.

Ser. No. 566,576. EPP PRODUCTS, INC., Baltimore, Md. Filed Oct. 7, 1948.

EPP

FOR EXTENSION RULES.
Claims use since Sept. 15, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 513,620. FORTIS WATCH LTD., Grenchen, Switzerland. Original filed, act of 1905, Dec. 3, 1946; amended to application under act of 1946, Principal Register, Apr. 22, 1948.

Fortis

Applicant claims ownership of Swiss Registration No. 80,645, dated July 19, 1933, and United States Registration No. 440,321.
FOR WATCHES, CLOCKS, AND PARTS OF WATCHES.

Ser. No. 544,902. PAN-AMERICAN JEWELERS, INC., New York, N. Y. Filed Dec. 19, 1947.

Bergère

FOR WATCH CASES, WATCH MOVEMENTS, WATCH DIALS, MAINSPRINGS FOR WATCHES, PARTS FOR WATCHES, WATCHES, AND WRIST WATCHES.
Claims use since June 1, 1947.

Ser. No. 551,286. LONGINES-WITTNAUER WATCH CO., INC., New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

AGASSIZ

Applicant claims ownership of Registration No. 65,110.
FOR WATCHES AND PARTS THEREOF.
Claims use since 1877.

Ser. No. 551,287. LONGINES-WITTNAUER WATCH CO., INC., New York, N. Y. Filed Mar. 5, 1948.

MAJESTIC

FOR WATCHES AND CLOCKS AND PARTS THEREOF.
Claims use since June 1, 1901.

Ser. No. 551,288. LONGINES-WITTNAUER WATCH CO., INC., New York, N. Y. Filed Mar. 5, 1948.

SUBURBAN

FOR WATCHES AND PARTS THEREOF.
Claims use since June 1, 1901.

Ser. No. 551,289. LONGINES-WITTNAUER WATCH CO., INC., New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

TOUCHON & Co

Applicant claims ownership of Registration No. 65,501.
FOR WATCHES AND PARTS THEREOF.
Claims use since 1877.

Ser. No. 568,175. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1948.

STEWARDESS

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 8, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 534,087. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Sept. 11, 1947.

Goddess Of Time

Applicant claims ownership of Registration No. 440,649.
FOR WRIST BANDS, BRACELETS AND CHAINS FOR WATCHES, CLASPS AND FASTENINGS THEREFOR, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS, WITH OR WITHOUT JEWELS, WATCH STRAPS AND WRIST BANDS FOR WATCHES, MADE OF LEATHER, IMITATION LEATHER, FABRIC AND FABRIC CORD; NOT INCLUDING WATCHES.
Claims use since August 1936.

Ser. No. 534,910. JOSEPH H. MEYER BROS., Brooklyn, N. Y. Filed Sept. 18, 1947.

Satinore

Applicant claims ownership of Registration No. 381,210.
FOR MEN'S AND WOMEN'S COSTUME JEWELRY (NOT INCLUDING WATCHES)—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, ORNAMENTAL CLIPS, BROOCHES, AND EARRINGS.
Claims use since May 1939.

Ser. No. 535,920. BASKIN BROTHERS, INC., New York, N. Y. Filed Sept. 27, 1947.

Lifetime
RINGS BY BASKIN

The phrase "Rings by Baskin" is disclaimed.
FOR DIAMOND FINGER RINGS.
Claims use since August 1947.

Ser. No. 542,882. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Dec. 10, 1947.



FOR WATCH STRAPS AND WRIST BANDS FOR WATCHES MADE OF LEATHER, FABRIC, AND FABRIC CORD.
Claims use since August 1922.

Ser. No. 545,045. SWANK, INC., Attleboro, Mass. Filed Dec. 20, 1947. Under section 2f of the act of 1946.

KUM·A PART

Applicant claims ownership of Registrations Nos. 141,730, 149,753, and 157,407.
FOR JEWELRY FOR PERSONAL WEAR—NAMELY, CUFF LINKS AND BELT BUCKLES MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL, NOT INCLUDING WATCHES.
Claims use since January 1914.

Ser. No. 547,370. SPEIDEL CORPORATION, Providence, R. I. Filed Jan. 17, 1948.

Golden Templar

No claim is made to the word "Golden" apart from the remainder of the mark.
FOR WATCH BRACELETS (NOT INCLUDING WATCHES.)
Claims use since Dec. 23, 1947.

Ser. No. 547,541. HANS HANSEN SOLVSMEDIE A/S, Kolding, Denmark. Filed Jan. 20, 1948.

HaH

The mark consists of the letters "HaH."
FOR JEWELRY (NOT INCLUDING WATCHES)—NAMELY, BRACELETS, BROOCHES, PINS, NECKLACES, AND FINGER RINGS.
Claims use since May 1, 1930.

Ser. No. 550,681. G. M. ELLESSON COMPANY, Chicago, Ill. Filed Feb. 27, 1948.

QUEEN Ellesson

FOR ALL-METAL WATCH BANDS.
Claims use since Nov. 28, 1947.

Ser. No. 550,682. G. M. ELLESSON COMPANY, Chicago, Ill. Filed Feb. 27, 1948.

KING Ellesson

FOR ALL-METAL WATCH BANDS.
Claims use since Nov. 28, 1947.

Ser. No. 550,899. DICKSON MFG. CO., Providence, R. I. Filed Mar. 1, 1948.

Cipra

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, ORNAMENTAL PINS, BROOCHES, NECKLACES, PENDANTS, FINGER RINGS, HAIR ORNAMENTS, BRACELETS, LOCKETS, EARRINGS, NECK CHAINS, COLLAR HOLDERS, COLLAR BUTTONS, NECKTIE HOLDERS, CUFF LINKS, KEY CHAINS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, ARM BANDS, FOBS, BELT BUCKLES, CIGARETTE CASES, COIN CLIPS, AND ORNAMENTAL TRIMMINGS.
Claims use since Aug. 1, 1946.

Ser. No. 551,782. THE ELLMORE SILVER CO., INC., Meriden, Conn., assignor to Amston Silver Company, Inc., Amston, Conn., a corporation of Connecticut. Filed Mar. 12, 1948.

DUNCAN PHYFE

Duncan Phyfe is the name of the famous American furniture designer, now deceased. Applicant claims ownership of Registration No. 282,194.
FOR SILVER FLAT WARE AND HOLLOW WARE.
Claims use since Feb. 1, 1890.

Ser. No. 556,790. FRIEDMANS' JEWELERS, INC., Savannah, Ga. Filed May 11, 1948. Under section 2f of the act of 1946.

BLUE RIDGE

Applicant claims ownership of Registration No. 360,689.
FOR GENUINE DIAMONDS, MOUNTED AND UNMOUNTED.
Claims use since Feb. 1, 1932.

Ser. No. 556,791. FRIEDMANS' JEWELERS, INC., Savannah, Ga. Filed May 11, 1948.

MELROSE

Applicant claims ownership of Registration No. 416,934.
FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, ORNAMENTAL PINS, PENDANTS, EARRINGS, WATCH CHAINS, WATCH BANDS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, CUFF LINKS AND COMPACTS.
Claims use since Oct. 1, 1941.

Ser. No. 557,641. THE WALLENSTEIN MAYER CO., Cincinnati, Ohio. Filed May 22, 1948.

CELESJEWEL

FOR JEWELRY, NOT INCLUDING WATCHES—NAMELY, DIAMOND RINGS AND DIAMOND WEDDING RINGS.
Claims use since May 7, 1948.

Ser. No. 560,188. COHEN-REESS JEWELRY CORPORATION, New York, N. Y. Filed June 25, 1948.

WEDDING BELLS

The word "Wedding" is disclaimed apart from the mark as shown.
FOR FINGER RINGS.
Claims use since Apr. 1, 1948.

Ser. No 561,974. B. RUBINSTEIN & SON, New York, N. Y. Filed July 3, 1948.

Miss America

FOR DIAMOND RINGS AND WEDDING RINGS.
Claims use since Jan. 2, 1947.

Ser. No. 564,287. PILLSBURY MILLS, INC., Minneapolis, Minn. Filed Aug. 27, 1948.

LADY ANN

FOR SILVER-PLATED TABLEWARE.
Claims use since July 29, 1948.

Ser. No. 564,879. KASPAR & ESH INC., New York, N. Y. Filed Sept. 9, 1948.

Symphonic Ensemble

The word "Ensemble" is disclaimed.
FOR FINGER RINGS.
Claims use since Aug. 1, 1948.

Ser. No. 566,913. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Oct. 13, 1948.

AMCREST

FOR SILVER-PLATED HOLLOW WARE.
Claims use since Dec. 11, 1940.

Ser. No. 567,614. J. R. WOOD & SONS, INC., New York, N. Y. Filed Oct. 25, 1948.

Art-carved

The word "Carved" is disclaimed. Applicant claims ownership of Registration No. 393,358.
FOR FINGER RINGS.
Claims use since Apr. 2, 1941.

Ser. No. 569,073. RICHARD A. KIEFER, doing business as Kiefer's Tools, Elberon, N. J. Filed Nov. 19, 1948.

Expandro

FOR BRACELETS AND WATCH STRAPS.
Claims use since Oct. 25, 1948.

Ser. No. 569,454. THE MANGAN COMPANY, Providence, R. I. Filed Nov. 26, 1948. Under section 2f of the act of 1946.

Loc-Link

FOR ROSARIES.
Claims use since April 1937.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 547,657. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Jan. 21, 1948.

PPG

FOR ADHESIVE APPLYING BRUSHES, CALCIMINE BRUSHES, PAINT BRUSHES, PASTE (PAPERHANGERS') BRUSHES, VARNISH BRUSHES, WALL COATING (PLASTERERS') BRUSHES, AND WHITEWASH BRUSHES.
Claims use since Apr. 30, 1945.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 555,196. ROBERT G. PIPER, doing business as Lucile Seymour Piper, Cincinnati, Ohio. Filed Apr. 21, 1948.

MEMORY PLATES

The word "Plates" is disclaimed apart from the trademark "Memory"
FOR PORCELAIN DINNER OR SERVICE PLATES HAVING PICTORIAL DESIGNS THEREON.
Claims use since Oct. 15, 1936.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 506,318. INTERSTATE ENGINEERING CORPORATION, El Segundo, Calif., formerly known as Interstate Aircraft and Engineering Corporation. Original filed, act of 1905, July 26, 1946; amended to application under act of 1946, Principal Register, Aug. 9, 1947.

REVELATION

The design feature of the mark is disclaimed. Applicant claims ownership of Registration No. 288,002.
FOR SINGLE AND DOUBLE METAL TANK WATER SOFTENERS USING ZEOLITE AND SIMILAR MINERAL EXCHANGE MEDIA.
Claims use since Oct. 1, 1940.

Ser. No. 556,637. KNICKERBOCKER STAMPING COMPANY, Parkersburg, W. Va. Filed May 10, 1948.

KNICKERBOCKER

FOR REFRIGERATION EQUIPMENT, INCLUDING SPECIFICALLY ICE CANS, ICE CAN FILLERS, AND CAN GRIDS MADE OF STEEL AND USED IN THE PRODUCTION OF ICE.
Claims use since Feb. 13, 1948.

Ser. No. 557,459. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio. Filed May 20, 1948. Under section 2f of the act of 1946.

MOORE'S

FOR HOUSEHOLD ELECTRICAL REFRIGERATORS.
Claims use since May 1, 1941.

Ser. No. 557,917. FRAM CORPORATION, East Providence, R. I. Filed May 27, 1948.



The drawing shows a fanciful person.
FOR CARTRIDGES FOR FILTERS FOR ENGINE LUBRICANTS.
Claims use since Jan. 2, 1947.

Ser. No. 560,019. HARPER-WYMAN COMPANY, Chicago, Ill. Filed June 23, 1948. Under section 2f of the act of 1946.

WYMAN

FOR FILTERS FOR GASEOUS FUELS.
Claims use since January 1940.

Ser. No. 560,053. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed June 23, 1948.

Micronic

FOR OIL FILTERS PARTICULARLY ADAPTED FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 10, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 520,897. PERFECTION MATTRESS & SPRING COMPANY, Birmingham, Ala. Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, June 28, 1948. Under section 2f of the act of 1946 as to "Perfection."



Applicant claims ownership of Registration No. 499,651.
FOR BED SPRINGS AND MATTRESSES.
Claims use since Mar. 31, 1947, as shown; and since 1897 as to "Perfection."

Ser. No. 522,278. CONSOLIDATED VENETIAN BLIND CO., INC., Houston, Tex. Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Dec. 5, 1947. Under section 2f of the act of 1946.

Smart Set

FOR VENETIAN BLINDS AND PORCH SHADES, THE LATTER CONSISTING OF PERMANENTLY SET PARALLEL WOODEN SLATS WHICH MAY BE RAISED BY ROLLING FROM THE BOTTOM UP AND LOWERED FROM THE TOP DOWN.
Claims use since March 1939.

Ser. No. 546,068. STOR-AID, INC., New York, N. Y. Filed Jan. 2, 1948.

STOR-MORE

FOR PORTABLE CLOSETS AND CHESTS.
Claims use since Dec. 1, 1947.

Ser. No. 553,560. WISCONSIN BEDDING COMPANY, Sheboygan, Wis. Filed Mar. 31, 1948.

"Glamour Rest"

FOR MATTRESSES, BOXSPRINGS, PILLOWS, HOLLYWOOD BEDS, AND STUDIO COUCHES.
Claims use since July 1, 1946.

Ser. No. 553,977. THE PARSONS COMPANY, Detroit, Mich., assignor to Parsons Corporation, Detroit, Mich., a corporation of Michigan. Filed Apr. 6, 1948. Under section 2f of the act of 1946.

PARSONS Pureaire

Applicant claims ownership of Registrations Nos. 266,728 and 428,031.
FOR KITCHEN CABINETS.
Claims use since 1929.

Ser. No. 558,030. INTERNATIONAL LATEX CORPORATION, Dover, Del. Filed May 28, 1948.

AIR NURSE

The word "Air" is disclaimed apart from the mark as shown.

FOR UTILITY DEVICE FOR INFANTS—NAMELY, INFLATABLE MATTRESSES FOR INFANTS, CAPABLE OF BEING USED ALSO AS INFANTS' SAFETY CHAIRS AND BATHTUBS.

Claims use since Nov. 12, 1947.

Ser. No. 558,180. TRANSPARENT SHADE CO., Los Angeles, Calif. Filed May 29, 1948.

INFRA-CHEM

FOR TRANSPARENT, SUN-PROTECTIVE WINDOW SHADES.

Claims use since May 19, 1948.

Ser. No. 561,517. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Deepsleep

Applicant claims ownership of Registrations Nos. 283,763 and 318,383.

FOR MATTRESSES, STUDIO COUCHES, LOUNGES, AND SPRINGS FOR BEDSTEADS.

Claims use since July 1, 1929.

CLASS 33

GLASSWARE

Ser. No. 539,564. PROTEX GLASS COMPANY, St. Louis, Mo. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

Protex

FOR PLATE GLASS.

Claims use since January 1926.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 519,051. BLAW-KNOX COMPANY, Pittsburgh, Pa. Orginal filed, act of 1905, Mar. 15, 1947; amended to application under act of 1946, Principal Register, Sept. 22, 1948.

ELECTROVAPOR

FOR INDUSTRIAL HEATING KETTLES.

Claims use since Oct. 8, 1945.

Ser. No. 533,437. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed July 5, 1947.

THE ORIGINAL CENTURY DIESEL OIL BURNER

The drawing is lined for red. The words "The Original Diesel Oil Burner" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 237,085, 392,317, and 342,254.

FOR OIL BURNERS AND PARTS THEREOF.

Claims use since June 30, 1936.

Ser. No. 543,290. GILLINDER BROTHERS, INC., Port Jervis, N. Y. Filed Dec. 4, 1947.

PEARLTONE

FOR ILLUMINATING GLASSWARE GLOBES.

Claims use since Feb. 1, 1922.

Ser. No. 543,749. ROBERTS & MANDEL CORPORATION, Hatboro, Pa. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

Quality

Applicant claims ownership of Registration No. 139,095.

FOR GAS RANGES AND COOKING DEVICES, GAS AND COAL, GAS AND WOOD, GAS AND OIL COMBINATION RANGES.

Claims use since Apr. 1, 1903.

Ser. No. 544,177. MICHIGAN TANK & FURNACE CORPORATION, Dearborn, Mich. Filed Dec. 12, 1947.

Comfortzone

Applicant claims ownership of Registration No. 370,519.

FOR BOILERS AND WATER HEATERS.

Claims use since Feb. 1, 1941, on water heaters; and since Aug. 14, 1946, on boilers.

Ser. No. 547,506. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Jan. 20, 1948.

AMC

FOR GAS RANGES.

Claims use since 1937.

Ser. No. 551,543. CONLON-MOORE CORPORATION, Joliet, Ill. Filed Mar. 9, 1948.

MONTICELLO

FOR COAL AND GAS COMBINATION COOKING RANGES.

Claims use since Jan. 2, 1940.

Ser. No. 551,544. CONLON-MOORE CORPORATION, Joliet, Ill. Filed Mar. 9, 1948.

MOUNT VERNON

FOR OIL AND GAS COMBINATION COOKING RANGES.

Claims use since Jan. 2, 1940.

Ser. No. 551,962. EUTECTIC WELDING ALLOYS CORPORATION New York, N. Y. Filed Mar. 15, 1948.

GAS-EUTECTIC-GEN

The word "Gas" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 502,459 and 502,614.

FOR ACETYLENE GENERATOR AND ITS ACCESSORIES.

Claims use since Dec. 18, 1947.

Ser. No. 563,370. SELAS CORPORATION OF AMERICA, Philadelphia, Pa. Filed Aug. 13, 1948.

Gradiation

Applicant claims ownership of Registration No. 439,917.

FOR GAS DISTRIBUTION APPARATUS; FLUID FUEL BURNERS FOR INDUSTRIAL USES, AND PARTS THEREFOR; INDUSTRIAL HEATING EQUIPMENT ELEMENTS USING GASEOUS FUELS—NAMELY, FURNACES, KILNS, OVENS, DRYERS, LEHRS, AND HEAT TREATING MACHINES FOR USE IN HEATING METAL BODIES, FOR HARDENING AND ANNEALING PURPOSES AND PREPARATORY TO FORGING, AND OTHER METAL WORKING OPERATIONS; AND PARTS OF SAID ELEMENTS.

Claims use since Apr. 3, 1947.

Ser. No. 564,753. ATLAS HEATING AND VENTILATING CO., LTD., San Francisco, Calif. Filed Sept. 7, 1948.

ATCO

FOR GAS FURNACES.

Claims use since March 1925.

Ser. No. 564,754. ATLAS HEATING AND VENTILATING CO., LTD., San Francisco, Calif. Filed Sept. 7, 1948.

ATLAS

FOR WOOD, COAL, OIL, AND GAS FURNACES AND BLOWERS, FAN, AND WATER HEATERS.

Claims use since March 1915.

Ser. No. 564,972. S. F. APPLIANCES, LIMITED, Ridgefield, N. J. Filed Sept. 10, 1948.

DIAMOND

FOR BLOW TORCHES AND PLUMBERS' SOLDER FURNACES ADAPTER TO BE OPERATED BY GASOLENE, KEROSENE, OR OIL FUEL.

Claims use since Jan. 1, 1920.

Ser. No. 564,973. S. F. APPLIANCES, LIMITED, Ridgefield, N. J. Filed Sept. 10, 1948.

RADIANT

FOR BLOW TORCHES AND PLUMBERS' SOLDER FURNACES ADAPTED TO BE OPERATED BY GASOLENE, KEROSENE, OR OIL FUEL.
Claims use since May 15, 1933.

Ser. No. 565,504. WILLIAMS AND SHELTON COMPANY, INC., Charlotte, N. C. Filed Sept. 20, 1948.

WandS

FOR OIL-FIRED FLOOR FURNACES, GAS RANGES, AND OIL SPACE HEATERS.
Claims use since Oct. 18, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 506,682. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Original filed, act of 1905, Aug. 1, 1946; amended to application under act of 1946, Principal Register, Apr. 13, 1948. Under section 2f of the act of 1946.

FREE-FLEX

FOR REPAIR UNITS FOR NON-METALLIC TIRES AND TUBES—NAMELY, MULTIPLE PLY RUBBERIZED CORDS.
Claims use since Mar. 15, 1941.

Ser. No. 524,936. ARMSTRONG CORK COMPANY, Lancaster, Pa. Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948. Under section 2f of the act of 1946.

ARMSTRONG A CORK COMPANY

Applicant disclaims the words "Cork Company" apart from the mark. Applicant claims ownership of Registration No. 415,101.
FOR GASKETS, NONMETALLIC WASHERS, RINGS, AND PACKINGS OF NATURAL CORK, CORK COMPOSITION, RUBBER, SYNTHETIC RUBBER, CORK AND RUBBER, CORK AND SYNTHETIC RUBBER, FIBER, LEATHER, PAPER, AND SIMILAR COMPRESSIBLE MATERIALS AND FOR SUCH MATERIALS IN SHEET, BLOCK, STRIP, AND RIBBON FORM.
Claims use since Dec. 1, 1938.

Ser. No. 528,692. CHICAGO RAWHIDE MANUFACTURING COMPANY, Chicago, Ill. Filed July 16, 1947.

C R

FOR OIL SEALS (WHICH ARE LIQUID AND LUBRICANT RETAINING AND PROTECTING UNITS FOR SHAFTS, HOUSINGS, AND RELATED STRUCTURES); MECHANICAL LEATHER PRODUCTS—NAMELY, LEATHER BELTING, FLAT, ROUNDED, AND TWISTED, LEATHER BELT LACING, LEATHER PROTECTIVE BOOTS (WHICH ARE SHIELDS OR COVERS TO PROTECT MOVING MACHINE PARTS AND TO SAFEGUARD THE OPERATORS THEREFROM, ALSO TO PREVENT LOSS OF LUBRICANT), COUPLING LEATHERS, VALVE LEATHERS, DISCS (WHICH ARE SHEET-LIKE GENERALLY CIRCULAR ELEMENTS APPLIED TO VALVES ON THE SEATS THEREOF, ALSO CONTACT OR IMPACT CUSHIONING ELEMENTS FOR VARIOUS INSTALLATIONS), LEATHER PACKINGS (WHICH ARE ELEMENTS APPLIED TO SHAFTS, RODS, AND THE LIKE TO PREVENT LEAKAGE OF FLUIDS), LEATHER GASKETS, LEATHER WASHERS, AND LEATHER STRAPS EMPLOYED IN MACHINERY AS FLEXIBLE TENSION ELEMENTS AND FRICTION OR BRAKING ELEMENTS; AND SYNTHETIC RUBBER PRODUCTS—NAMELY, DIAPHRAGMS (WHICH ARE FLEXIBLE, USUALLY CIRCULAR COMPONENTS OF CERTAIN CONTROL MECHANISMS, ALSO OF PUMPS, FLUID AND DIRT SEALING UNITS, ETC.), PACKINGS (WHICH ARE LEAK PREVENTING ELEMENTS APPLIED TO SHAFTS, RODS, AND THE LIKE, GASKETS, SEALS, BOOTS, AND BUMPERS (WHICH ARE SHOCK ABSORBING MEMBERS APPLIED TO MACHINERY.
Claims use since Jan. 1, 1937.

CLASS 37

PAPER AND STATIONERY

Ser. No. 532,518. THE SPERRY AND HUTCHINSON COMPANY, New York, N. Y. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

SPERRY & HUTCHINSON 10 CO-OPERATIVE 10 DISCOUNT STAMP

No claim is made herein apart from the mark as shown, to the numeral "10" or to the notations "Discount Stamp" or "Cooperative." Applicant claims ownership of Registration No. 270,772.
FOR STAMP BOOKS.
Claims use since 1925.

Ser. No. 546,899. JOHN WILLY, INC., Chicago, Ill. Filed Jan. 13, 1948.



The portrait is fanciful and does not represent any known living individual.
FOR BUSINESS STATIONERY, CORRESPONDENCE ENVELOPES, BLANK PRINTED FORMS, RECORD BOOKS, AND ALPHABETICAL AND NUMERICAL INDEX DEVICES FOR FILES.
Claims use since 1911.

Ser. No. 551,894. HUDSON PULP & PAPER CORPORATION, New York, N. Y., and Portland, Maine. Filed Mar. 12, 1948. Under section 2f of the act of 1946.

Hudson

FOR PAPER TOWELS, PAPER NAPKINS, AND PAPER TOILET TISSUE.
Claims use since 1938.

Ser. No. 556,897. LEE PAPER COMPANY, Vicksburg, Miss. Filed May 12, 1948.

CORINTHIAN

Applicant claims ownership of Registration No. 277,893.
FOR COVER PAPER.
Claims use since June 1, 1915.

Ser. No. 561,629. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Filed July 17, 1948.

TACONNET

FOR TAG, WRAPPING, AND CONVERTING PAPERS.
Claims use since October 1891.

Ser. No. 562,176. B-B PEN COMPANY, INC., Los Angeles, Calif. Filed July 26, 1948.

VP

FOR BALL POINT PENS.
Claims use since September 1947.

Ser. No. 567,800. GILBERT PAPER COMPANY, Menasha, Wis. Filed Feb. 17, 1948.

Barter

Applicant claims ownership of Registration No. 381,859.
FOR WRITING PAPERS AND BOND PAPER.
Claims use since Sept. 18, 1934.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 507,149. SMALL HOMES GUIDE, INC., Chicago, Ill. Original filed, act of 1905, Aug. 9, 1946; amended to application under act of 1946, Principal Register, Apr. 8, 1948. Under section 2f of the act of 1946.

Small HOMES Guide

FOR MAGAZINE.
Claims use since Nov. 1, 1941.

Ser. No. 509,404. BRADFORD DORR, Chicago, Ill. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Principal Register, Jan. 22, 1948.

THE HOLLYOUTH COURSE

FOR INSTRUCTION MANUALS.
Claims use since Jan. 2, 1941.

Ser. No. 538,559. PRESS-ON, INC., New York, N. Y. Filed Oct. 21, 1947.

Plyonite

Applicant claims ownership of Registration No. 509,371.
FOR PRINTED LABELS MADE FROM A SHEET OF RESINOUS MATERIAL.
Claims use since July 31, 1947.

Ser. No. 555,329. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Apr. 22, 1948.

tell-all-tag

FOR INFORMATION LEAFLETS PUBLISHED FROM TIME TO TIME, DEVOTED TO THE DESCRIPTION AND USE OF ELECTRICAL APPLIANCES.
Claims use since Nov. 4, 1947.

Ser. No. 555,360. BARRON'S PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 23, 1948.

HOW'S BUSINESS?

FOR SECTION OF A WEEKLY PUBLICATION.
Claims use since Oct. 29, 1934.

Ser. No. 555,383. DOW, JONES & COMPANY, INC., New York, N. Y. Filed Apr. 23, 1948.

Abreast of the Market

FOR SECTION OF A DAILY NEWSPAPER.
Claims use since July 15, 1926.

Ser. No. 555,386. DOW, JONES & COMPANY, INC., New York, N. Y. Filed Apr. 23, 1948.. Under section 2f of the act of 1946.

London Cable

FOR SECTION OF A DAILY NEWSPAPER.
Claims use since Jan. 10, 1942.

Ser. No. 555,389. DOW, JONES & COMPANY, INC., New York, N. Y. Filed Apr. 23, 1948. Under section 2f of the act of 1946.

Washington Wire

FOR SECTION OF A DAILY NEWSPAPER.
Claims use since Sept. 20, 1940.

Ser. No. 560,983. SINCLAIR, MURRAY & CO., INC., New York, N. Y., now by consolidation, Sinclair, Murray & Co., Inc., a corporation of New Jersey. Filed July 8, 1948.

COMPUTAX

FOR BOOKLETS PUBLISHED FROM TIME TO TIME.
Claims use since September 1941.

Ser. No. 560,934. SINCLAIR, MURRAY & CO., INC., New York, N. Y., now by consolidation, Sinclair, Murray & Co., Inc., a corporation of New Jersey. Filed July 8, 1948.

POCKETAX

FOR BOOKLETS PUBLISHED FROM TIME TO TIME.
Claims use since May 1945.

Ser. No. 565,132. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Sept. 14, 1948.

Optoscope

FOR MONTHLY PUBLICATION DEVOTED TO THE INTERESTS OF THE OPHTHALMIC INDUSTRY.
Claims use since June 25, 1946.

Ser. No. 566,773. REVISTA INDUSTRIAL PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 9, 1948. Under section 2f of the act of 1946.

REVISTA INDUSTRIAL

Applicant claims ownership of Registration No. 407,270.
FOR PERIODICAL PUBLICATION.
Claims use since Jan. 15, 1943.

Ser. No. 566,865. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Oct. 12, 1948.

Sweethearts

FOR MONTHLY PUBLICATION.
Claims use since Aug. 10, 1948.

CLASS 39

CLOTHING

Ser. No. 510,096. CHARLES R. MCCARREN, doing business as McCarren's, Butler, Pa. Original filed, act of 1905, Oct. 2, 1946; amended to application under act of 1946, Principal Register, Jan. 12, 1948. Under section 2f of the act of 1946.

McCARREN'S

The representation of the top hat is disclaimed.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, NECKTIES, SPORT JACKETS, OVERCOATS, AND TOPCOATS, SUITS, RAINCOATS, DRESS AND NEGLIGEE SHIRTS, HATS, AND SWEATERS.
Claims use since June 15, 1940.

Ser. No. 514,977. OTTO W. MAYER, San Francisco, Calif. Original filed, act of 1920, Dec. 28, 1946; amended to application under act of 1946, Principal Register, Jan. 15, 1948.

WESTYLE

FOR MEN'S, WOMEN'S, GIRLS', AND BOYS' HATS, PANTS, OUTER SHIRTS, BOOTS, AND APPAREL BELTS.
Claims use since November 1946.

Ser. No. 529,944. WESTERN HOSIERY COMPANY, Chicago, Ill. Filed July 29, 1947. Under section 2f of the act of 1946.

Drihand

FOR GLOVES AND MITTENS OF LEATHER, FABRIC, AND RUBBER, FOR GENERAL, INCLUDING HOUSEHOLD, BUT NOT SURGICAL USE.
Claims use since January 1940.

Ser. No. 540,701. LEO NEWMAN, New York, N. Y. Filed Nov. 10, 1947.

Spectrix Fashions

The word "Fashions" is disclaimed.
FOR OUTER WEARING APPAREL—NAMELY, LADIES' DRESSES, BLOUSES, SKIRTS, AND JACKETS.
Claims use since June 27, 1947.

Ser. No. 543,604. WM. HABERMAN CORPORATION, New York, N. Y. Filed Dec. 6, 1947.

Customaire

FOR OUTER SHIRTS.
Claims use since April 1934.

Ser. No. 544,378. PATRICK-DULUTH CO., Duluth, Minn. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

Patrick DULUTH

Applicant disclaims the word "Duluth" apart from the mark as shown. Applicant claims ownership of Registration No. 143,522.
FOR MACKINAWS, JACKETS, SHIRTS FOR BOTH INNER AND OUTER WEAR, UNDERWEAR, SWEATERS, SOCKS, SCARFS, HUNTING COATS, OVERCOATS, TOPCOATS, CAPS, BREECHES, PANTS, SLACKS FOR MEN AND WOMEN; CHILDREN'S SNOWSUITS INCLUDING SNOWPANTS, PARKAS, RAINCOATS, COVER-ALL SUITS, OVERALLS, SKIRTS, GLOVES MADE OF A COMBINATION OF LEATHER AND FABRIC, AND MITTENS.
Claims use since Apr. 2, 1910.

Ser. No. 544,422. AUBURN RUBBER CORPORATION, Auburn, Ind. Filed Dec. 16, 1947.

ARCOLITE

FOR SHOE SOLES AND HEELS OR PARTS THEREOF.
Claims use since Oct. 15, 1947.

Ser. No. 545,700. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

ASHBOURNE

Applicant claims ownership of Registrations Nos. 199,566 and 199,567.
FOR COLLARS FOR MEN AND BOYS.
Claims use since Nov. 16, 1901.

Ser. No. 547,089. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

Dr. Scholl's

The trade-mark "Dr. Scholl's" has reference to applicant's president, Dr. William M. Scholl, and consent is given. Applicant claims ownership of Registration No. 191,089.

FOR SHOES MADE OF LEATHER OR RUBBER, OR FABRIC AND COMBINATIONS THEREOF, AND SURGEON'S SHOES.

Claims use since 1906.

Ser. No. 547,445. HAGGAR COMPANY, Dallas, Tex. Filed Jan. 19, 1948. Under section 2f of the act of 1946.

COLORADO COOL

Exclusive use of the word "Cool" is not claimed except as associated with the word "Colorado," applicant's mark being the composite expression "Colorado Cool." Applicant claims ownership of Registration No. 374,645.

FOR MEN'S AND BOYS' TROUSERS AND OUTER SHIRTS.

Claims use since Sept. 7, 1938.

Ser. No. 548,206. WOOLRICH WOOLEN MILLS, Woolrich, Pa. Filed Jan. 28, 1948.



Applicant claims ownership of Registration No. 276,502.

FOR CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN; MEN'S KNICKERS, TROUSERS, REEFERS, BATH ROBES, VESTS; WOMEN'S DRESSES, SHIRTS FOR OUTER WEAR, BLOUSES, SHIRT WAISTS, CAPES, AND OUTER GOWNS; MEN'S AND WOMEN'S SUITS, OVERCOATS, SPORT COATS, AND SPORT SUITS; NECKWEAR, AS FOLLOWS: MUFFLERS, SCARFS, AND NECKTIES; UNDERWEAR, HUNTING SUITS, AND PAJAMAS FOR MEN AND WOMEN; OUTER SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND WOMEN; ALL MADE WHOLLY OF WOOL; LEATHER GLOVES AND FABRIC GLOVES; LEATHER SHOES AND PULLMAN SLIPPERS; RAINCOATS; NECK PIECES, COATS, CUFFS, COLLARS, CAPS, MUFFS, AND GLOVES MADE OF FUR; COLLARS; GARTERS; SUSPENDERS; AND BELTS FOR OUTER WEAR.

Claims use since Feb. 12, 1937.

Ser. No. 548,207. WOOLRICH WOOLEN MILLS, Woolrich, Pa. Filed Jan. 28, 1948.



Applicant claims ownership of Registration No. 276,502.

FOR CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN; MEN'S KNICKERS, TROUSERS, REEFERS, BATH ROBES, VESTS; WOMEN'S DRESSES, SHIRTS FOR OUTER WEAR, BLOUSES, SHIRT WAISTS, CAPES, AND OUTER GOWNS; MEN'S AND WOMEN'S SUITS, OVERCOATS, SPORT COATS, AND SPORT SUITS; NECKWEAR, AS FOLLOWS: MUFFLERS, SCARFS, AND NECKTIES; UNDERWEAR, HUNTING SUITS, AND PAJAMAS FOR MEN AND WOMEN; OUTER SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND WOMEN; ALL MADE WHOLLY OF WOOL; LEATHER GLOVES AND FABRIC GLOVES; LEATHER SHOES AND PULLMAN SLIPPERS; RAINCOATS; NECK PIECES, COATS, CUFFS, COLLARS, CAPS, MUFFS, AND GLOVES MADE OF FUR; COLLARS; GARTERS; SUSPENDERS; AND BELTS FOR OUTER WEAR.

Claims use since January 1929.

Ser. No. 551,991. MID-CONTINENT STORES, INC., Kansas City, Mo. Filed Mar. 15, 1948. Under section 2f of the act of 1946.

Joan Eddy

The name "Joan Eddy" is fanciful. Applicant claims ownership of Registrations Nos. 366,135, 231,046, and 282,040.

FOR WOMEN'S WEARING APPAREL—NAMELY, HOSIERY, DRESSES; AND LINGERIE—NAMELY, BRASSIÈRES, BLOOMERS, BED JACKETS, DANCE SETS, GIRDLES, GOWNS, PANTIES, PAJAMAS, PETTICOATS, ROBES, NEGLIGEES, HOUSE COATS, SLIPS, CHEMISES, AND VESTS.

Claims use since Apr. 28, 1939.

Ser. No. 554,540. WOLVERINE SHOE & TANNING CORPORATION, Rockford, Mich. Filed Apr. 13, 1948.

WOLVERINE
Genuine PIGSKIN WORKSHOES

The words "Genuine Pigskin," "Stays Soft," "Wear 1000 Miles," "Pigskin," and "Workshoes" and the representation of a shoe are disclaimed apart from the mark. The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 268,422 and 143,043.

FOR MEN'S WORK SHOES CONSTRUCTED OF PIGSKIN LEATHER AND ALSO CONSTRUCTED FROM PIGSKIN LEATHER WITH COMPOSITION RUBBER SOLE.

Claims use since July 1, 1942.

Ser. No. 554,745. VAN BAALEN HEILBRUN & CO., INC., New York, N. Y. Filed Apr. 15, 1948. Under section 2f of the act of 1946.

Paul Paget

The name "Paul Paget" is fanciful. Applicant claims ownership of Registration No. 367,678.

FOR MEN'S ROBES.

Claims use since November 1937.

Ser. No. 554,892. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed Apr. 17, 1948.

gantron

Applicant claims ownership of Registration No. 440,230.

FOR MEN'S, WOMEN'S, CHILDREN'S SWIM SUITS; SWIM TRUNKS, BEACHCOATS, SWEATERS, JACKETS, SPORTS COATS, APPAREL BELTS, PLAYSUITS, HATS, CAPS, SKI JACKETS AND SKI SHIRTS, MITTENS.

Claims use since Feb. 27, 1947.

Ser. No. 555,119. VAN BAALEN HEILBRUN & CO., INC., New York, N. Y. Filed Apr. 20, 1948.

Auto-Graf

FOR MEN'S ROBES—NAMELY, LOUNGING ROBES, BATH ROBES, AND BEACH ROBES.

Claims use since 1936.

Ser. No. 556,149. W. E. STEPHENS MFG. CO. INC., Nashville, Tenn. Filed May 3, 1948. Under section 2f of the act of 1946.

STEPHENS SPECIAL

The exclusive use of the word "Special" apart from the mark as shown is disclaimed. Applicant claims ownership of Registration No. 251,678.

FOR MEN'S WORK SHIRTS AND WORK PANTS AND BOYS' WORK SHIRTS AND WORK PANTS.

Claims use since 1925.

Ser. No. 556,150. W. E. STEPHENS MFG. CO. INC., Nashville, Tenn. Filed May 3, 1948. Under section 2f of the act of 1946.

WATERTOWN'S

Applicant claims ownership of Registration No. 313,157.

FOR MEN'S WORK SHIRTS AND WORK PANTS AND BOYS' WORK SHIRTS AND WORK PANTS.

Claims use since January 1929.

Ser. No. 558,299. B. W. HARRIS MANUFACTURING CO., INC., St. Paul, Minn. Filed June 2, 1948.

WINTER WONDER

The word "Winter" is disclaimed.

FOR LADIES', MEN'S, BOYS', AND GIRLS' COATS, SPORT JACKETS, "WINDBREAKERS," LUMBERJACKETS, SNOW SUITS, AND HATS.

Claims use since Feb. 18, 1946.

Ser. No. 562,373. LOCKET BRA INC., New York, N. Y. Filed July 28, 1948.

Locket Bra

The word "Bra" is disclaimed.

FOR BRASSIÈRES.

Claims use since May 15, 1948.

Ser. No. 562,492. A. J. PETTUS, doing business as A. J. Pettus, Dayton, Ohio. Filed July 29, 1948.

HUSH HUSHERS

STYLED BY PETTUS

The words "Styled By" and the surname "Pettus" are disclaimed apart from the mark as shown.

FOR LADIES', MISSES', AND CHILDREN'S SHOES, SLIPPERS, MADE OF LEATHER, FABRICS, AND/OR COMPOSITIONS AND COMBINATIONS THEREOF.

Claims use since Apr. 15, 1948.

Ser. No. 562,920. DOUBLE WORTH CORPORATION OF AMERICA, Dunmore, Pa. Filed Aug. 6, 1948.



FOR GLOVES OF LEATHER, FABRIC, OR A COMBINATION THEREOF.

Claims use since June 1, 1926.

Ser. No. 563,676. JEFF GOLDSTEIN, INC., New York, N. Y. Filed Aug. 18, 1948.



The words "Tailored by" and "Uniforms" are disclaimed apart from the mark, except in the manner shown on the drawing. The lining on the drawing is to reproduce the lines appearing in the mark on the specimens and not to indicate color.

FOR MEN'S UNIFORMS FOR POLICE, FIREMEN, LETTER CARRIERS, ARMY, NAVY, SCHOOLS, HOTELS, THEATRES, BANDS, WAITERS, APARTMENTS, STEAMSHIPS, YACHTING, BUS DRIVERS, CHAUFFEURS, DOCTORS, DENTISTS; AND RIDING HABITS.

Claims use since July 1, 1947.

Ser. No. 564,086. S. WEITS & CO., INC., Cleveland, Ohio. Filed June 28, 1948. Under section 2f of the act of 1946.



Applicant disclaims the word "Coat" separately from the mark as shown. Applicant claims ownership of Registration No. 368,846.

FOR MEN'S, WOMEN'S, AND CHILDREN'S COATS.

Claims use since June 14, 1938.

Ser. No. 570,602. YUNKER MANUFACTURING CO., INC., Point Pleasant, W. Va. Filed Dec. 15, 1948.



The words "Young" and "Togs" are disclaimed.

FOR CHILDREN'S PLAY TOGS—NAMELY, OVERALLS AND SUITS.

Claims use since Dec. 6, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 566,214. CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass. Filed Oct. 1, 1948.

STAYFLEX

FOR ELASTIC BRAIDS, NARROW ELASTIC WEBS, SEAM-BINDING TAPE, AND NON-ELASTIC BRAID.

Claims use since Sept. 9, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 537,466. SIMON KUNST & CO. INC., New York, N. Y. Filed Oct. 10, 1947.

ENDURTEX

Applicant claims ownership of Registration No. 175,528.

FOR TEXTILE FABRICS OF WOOLEN, MOHAIR, JUTE, COTTON, SILK, LINEN, AND SYNTHETIC FIBERS, SOLD BY THE YARD AND IN THE PIECE.

Claims use since July 1, 1922.

Ser. No. 541,043. S. STEIN & CO., INC., New York, N. Y. Filed Nov. 13, 1947. Under section 2f of the act of 1946.

LYNDHURST

The drawing is lined for shading. Applicant claims ownership of Registration No. 205,998.

FOR WOOLEN FABRICS IN THE PIECE AND IN CUT LENGTHS.

Claims use since Oct. 1, 1924.

Ser. No. 541,046. S. STEIN & CO., INC., New York, N. Y. Filed Nov. 13, 1947. Under section 2f of the act of 1946.

HENLEY

The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 233,482 and 233,483.

FOR WOOLEN FABRICS IN THE PIECE AND IN CUT LENGTHS.

Claims use since Aug. 15, 1926.

Ser. No. 541,050. S. STEIN & CO., INC., New York, N. Y. Filed Nov. 13, 1947. Under section 2f of the act of 1946.

BEAUMONT

The drawing is lined for shading. Applicant claims ownership of Registration No. 205,992.

FOR WOOLEN FABRICS IN THE PIECE AND IN CUT LENGTHS.

Claims use since Oct. 1, 1924.

Ser. No. 545,861. "LES TISSUS SOLABELLE," SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France. Filed Dec. 31, 1947.

LES

TISSUS SOLABELLE

The term "Tissus" is disclaimed apart from the mark as shown. Applicant claims ownership of French Registration No. 819,138, of May 8, 1941.

FOR TEXTILE MATERIAL IN THE PIECE OF LINEN, COTTON, WOOL, AND SYNTHETIC FIBERS.

Ser. No. 557,921. GOLDSMITH BROTHERS MANUFACTURING CO. INC., New York, N. Y. Filed May 27, 1948.

ANTALURE

FOR PIECE GOODS MADE OF COTTON, SILK, RAYON, NYLON, AND MIXTURES THEREOF SUITABLE FOR MAKING POCKETBOOKS, SHOES, BELTS, AND OTHER WEARING APPAREL.

Claims use since Apr. 29, 1948.

Ser. No. 558,870. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed June 10, 1948. Under section 2f of the act of 1946.

SHENANDOAH

FOR SHEETS, SHEETING, AND PILLOWCASES.

Claims use since May 31, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 566,167. PINE SPRING WATER COMPANY, Brunswick, Maine. Filed Sept. 30, 1948.

Pine Spring

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND FLAVORING CONCENTRATES FOR MAKING THE SAME.

Claims use since March 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 492,293. TEX-O-KAN FLOUR MILLS CO., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. Originally filed, act of 1905, Nov. 27, 1945; amended to application under act of 1946, Principal Register, Sept. 2, 1948. Under section 2f of the act of 1946.



The name and address "Burrus Mill and Elevator Co. Fort Worth, Texas," appear in white letters on a red periphery. The woman (fanciful representation) is a brunette in a blue dress with white apron on a yellow background. This color scheme is an essential feature of the mark. No claim is made to the words "Mill and Elevator Co. Fort Worth, Texas.". Applicant claims ownership of Registration No. 55,988.

FOR WHEAT FLOUR, WHOLE WHEAT FLOUR, CAKE FLOUR, CAKE AND MUFFIN POWDERED WHOLE WHEAT FLOUR, CORNMEAL, AND CORN GRITS.

Claims use since 1904.

Ser. No. 516,961. L. A. COVELL CO., Marydel, Md. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1947. Under section 2f of the act of 1946.

Marydel

FOR CANNED TOMATOES, SWEET PICKLES, FRESH CUCUMBER PICKLES, SOUR PICKLES, PROCESSED DILL PICKLES, KOSHER STYLE FRESH CUCUMBER PICKLES, KOSHER STYLE PICKLED GREEN TOMATOES, PICKLED PIMIENTOS, DILL CHIPS, MIXED PICKLES, PICKLE RELISH, PICKLED PEPPERS, AND PICKLED ONIONS.

Claims use since 1920.

Ser. No. 517,104. ASSELIN CREAMERY COMPANY, Norway, Mich. Originally filed, act of 1920, Feb. 7, 1947; amended to application under act of 1946, Principal Register, Dec. 10, 1948. Under section 2f of the act of 1946.

Fudge Flo

Exclusive use of the word "Fudge" is not claimed apart from the rest of the mark.

FOR ICE CREAM.

Claims use since Apr. 1, 1942.

Ser. No. 517,105. ASSELIN CREAMERY COMPANY, Norway, Mich. Original filed, act of 1920, Feb. 7, 1947; amended to application under act of 1946, Principal Register, Dec. 10, 1948. Under section 2f of the act of 1946.

Butterscotch Flo

Exclusive use of the word "Butterscotch" is not claimed apart from the rest of the mark.
FOR ICE CREAM.
Claims use since Apr. 1, 1942.

Ser. No. 522,446. KASCO MILLS, INC., Toledo, Ohio. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Apr. 20, 1948.

SNOOTY POOCH

No claim is made for the word "Pooch" apart from the mark.
FOR DOG FOOD, INCLUDING ANIMAL LIVER MEAL, MEAT MEAL, RENDERED ANIMAL FAT, DRIED YEAST, BONE MEAL, WHEAT GERM MEAL, AND SALT.
Claims use since Mar. 12, 1947.

Ser. No. 524,557. PASCO PACKING CO., Dade, Fla. Original filed, act of 1905, June 20, 1947; amended to application under act of 1946, Principal Register, Dec. 30, 1947.

O·MI·O

Applicant claims ownership of Registration No. 283,467.
FOR CANNED CITRUS JUICES AND SEGMENTS, AND CATTLE FEED COMPRISED OF CITRUS PULP AND CITRUS MEAL.
Claims use since 1938 on canned citrus fruits and juices; and since 1946 on cattle feed.

Ser. No. 530,500. HANOVER CANNING COMPANY, Hanover, Pa. Filed Aug. 5, 1947. Under section 2f of the act of 1946 as to "Hanover."

HANOVER

The drawing is lined for the color red. Applicant claims ownership of Registration No. 206,598.
FOR CANNED VEGETABLES, CANNED SAUERKRAUT WITH PORK, AND CANNED PORK AND BEANS.
Claims use since July 1935.

Ser. No. 530,501. HANOVER CANNING COMPANY, Hanover, Pa. Filed Aug. 5, 1947. Under section 2f of the act of 1946 as to "Hanover."

HANOVER

The drawing is lined for the color blue. Applicant claims ownership of Registration No. 206,598.
FOR CANNED TOMATOES, CANNED TOMATO JUICE, AND CANNED TOMATO PUREE.
Claims use since 1938.

Ser. No. 530,503. HANOVER CANNING COMPANY, Hanover, Pa. Filed Aug. 5, 1947. Under section 2f of the act of 1946 as to "Hanover."

HANOVER

Applicant claims ownership of Registration No. 206,598.
FOR CANNED VEGETABLES, CANNED SAUERKRAUT WITH PORK, CANNED PORK AND BEANS, CANNED TOMATO JUICE, AND CANNED TOMATO PUREE.
Claims use since January 1925.

Ser. No. 532,130. FORT PITT TOMATO COMPANY, Pittsburgh, Pa., assignor to Fort Pitt Tomato Company, Pittsburgh, Pa., a corporation of Pennsylvania. Filed Aug. 22, 1947.

fort-Pitt

FOR FRESH TOMATOES.
Claims use since September 1943.

Ser. No. 536,169. SOUTHERN OREGON SALES, INC., Medford, Oreg. Filed Sept. 29, 1947.

SOS

Applicant claims ownership of Registrations Nos. 240,247, 240,248, 240,249, and 245,828.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 2, 1926.

Ser. No. 546,247. SWIFT & COMPANY, Chicago, Ill. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

Glenwood

FOR BUTTER.
Claims use since Nov. 15, 1915.

Ser. No. 549,681. LEWIS A. TEAVEN COMPANY, Salinas, Calif., assignor to Merit Packing Company, Salinas, Calif., a corporation of California. Filed Feb. 13, 1948.

Bit o' Gold

FOR FRESH CARROTS.
Claims use since Oct. 25, 1947.

Ser. No. 550,061. NATIONAL THEATRE SUPPLY, New York, N. Y. Filed Feb. 18, 1948.

MOVIE HOUR

FOR UNPOPPED POPCORN, AND PREPARED POPCORN SEASONING, CONTAINING EDIBLE OILS AND SALT.
Claims use since Aug. 5, 1947, on prepared popcorn seasoning; and since Sept. 29, 1947, on unpopped popcorn.

Ser. No. 551,890. GREEN MOUNTAIN PACKING CO., INC., St. Albans, Vt. Filed Mar. 13, 1948.

Brier Rose

Applicant claims ownership of Registration No. 131,988.
FOR BLENDED CANE AND PURE MAPLE SYRUP AND CANNED VEGETABLES.
Claims use since August 1895.

Ser. No. 552,326. FOSTER PACKING COMPANY, Chicago, Ill. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

FOSTER

Applicant claims ownership of Registrations Nos. 185,051 and 192,214.
FOR CANNED SAUSAGE AND CANNED SALMON.
Claims use since May 1909.

Ser. No. 554,026. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Apr. 7, 1948.

Seafoam

Applicant claims ownership of Registration No. 120,266.
FOR SHORTENING MADE FROM ANIMAL AND VEGETABLE FATS.
Claims use since September 1903.

Ser. No. 557,658. M. O. BEST, doing business as M. O. Best Company and M. O. Best Fruit Company, Phoenix, Ariz. Filed May 24, 1948. Under section 2f of the act of 1946.

COPPER STATE

FOR FRESH VEGETABLES AND CANTALOUPES.
Claims use since Feb. 21, 1927.

Ser. No. 558,612. WHEELER-BARNES COMPANY, Minneapolis, Minn. Filed June 5, 1948.

SILVER LILY

FOR FRUIT JELLIES.
Claims use since 1925.

Ser. No. 559,347. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 16, 1948.

Kens

FOR CANDY.
Claims use since June 4, 1945.

Ser. No. 559,590. THE R. V. DUBLIN COMPANY, Jacksonville and Laredo, Tex. Filed June 18, 1948.

RICH-FIELD

Applicant claims ownership of Registration No. 405,266.
FOR FRESH VEGETABLES, FRESH DECIDUOUS AND CITRUS FRUITS, AND FRESH MELONS.
Claims use since November 1927.

Ser. No. 559,597. GARDEN GROVE CITRUS ASSOCIATION, Garden Grove, Calif. Filed June 18, 1948.

GARDEN GROVE

FOR FRESH CITRUS FRUITS.
Claims use since 1916.

Ser. No. 559,649. STEVEN CANDY KITCHENS, INC., Chicago, Ill. Filed June 18, 1948.

Medcaps

FOR CANDIES.
Claims use since January 1941.

Ser. No. 560,316. CALIFORNIA MARINE CURING & PACKING CO., Terminal Island, Calif. Filed June 28, 1948.

ROSE PRIZE

FOR CANNED TUNA.
Claims use since June 11, 1948.

Ser. No. 560,777. REDLANDS SELECT GROVES, Redlands, Calif. Filed July 6, 1948. Under section 2f of the act of 1946.

Santa Fe

Applicant claims ownership of Registration No. 247,170.
FOR FRESH CITRUS FRUITS.
Claims use since June 29, 1927.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 546,875. RED TOP BREWING COMPANY, Cincinnati, Ohio. Filed Jan. 13, 1948.

BARBAROSSA

FOR ALCOHOLIC MALT BEVERAGES AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 4, 1921.

Ser. No. 546,876. RED TOP BREWING COMPANY, Cincinnati, Ohio. Filed Jan. 13, 1948.



FOR ALCOHOLIC MALT BEVERAGES AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 4, 1921.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 510,571. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Original filed, act of 1905, Oct. 10, 1946; amended to application under act of 1946, Principal Register, Dec. 31, 1947.



The drawing is lined to indicate the colors red, white, and blue. The words "Cushion Rug Holder" are disclaimed separate and apart from the mark shown. Applicant claims ownership of Registrations Nos. 365,713, 367,278, 368,284, and 369,608.
FOR FABRIC TREATED WITH NON-SLIPPING MATERIAL FOR USE IN PREVENTING SLIPPING OF RUGS.
Claims use since July 1946.

Ser. No. 549,682. GEORGE W. VETTER, Wilmette, Ill. Filed Feb. 13, 1948.

PASK

FOR PANTS AND SKIRT HANGERS.
Claims use since July 1, 1944.

Ser. No. 553,573. CAMEL MANUFACTURING COMPANY, Knoxville, Tenn. Filed Apr. 1, 1948.



No claim is made to the words "Camel Mfg. Co." or the word "Dry" apart from the mark as shown on the drawing.
FOR CANVAS TENTS AND TARPAULINS.
Claims use since June 15, 1946.

Ser. No. 553,670. SIMON BUCHEM, doing business as Master Ladder Bracket Co., Milwaukee, Wis. Filed Apr. 2, 1948.

MASTER LADDER BRACKET

The words "Ladder Bracket" are disclaimed.
FOR LADDER BRACKETS.
Claims use since May 10, 1946.

Ser. No. 557,151. MUTUAL PRODUCTS CO., Minneapolis, Minn. Filed May 15, 1948.

NATUR NIPPLE

Applicant disclaims the term "Nipple" apart from the mark as shown.
FOR SUCKLING DEVICE FOR FEEDING LIQUIDS TO CALVES AND OTHER DOMESTIC ANIMALS.
Claims use since Jan. 15, 1948.

CLASS 55

SERVICES

Ser. No. 542,588. HOT SHOPPES, INC., Washington, D. C. Filed Nov. 28, 1947. SERVICE MARK.



FOR SERVING OF FOODS AND BEVERAGES IN RESTAURANTS.
Claims use since March 1935.

Ser. No. 546,069. TELESECRETARIAL SERVICE, INC., Boston, Mass. Filed Jan. 2, 1948. SERVICE MARK.



FOR TELEPHONE ANSWERING SERVICE AND DICTATING SERVICE BY TELEPHONE.
Claims use since Aug. 1, 1947.

Ser. No. 557,202. NATIONAL VAN LINES, INC., Chicago, Ill. Filed May 17, 1948. SERVICE MARK.



No claim is made to the words "Nation Wide Van Lines Inc." apart from the mark as shown.

FOR TRANSPORTATION OF GOODS BY MOTOR VAN.

Claims use since July 21, 1934.

Ser. No. 557,444. THE DURABAKE AUTO REFINING COMPANY, INC., Bridgeport, Conn. Filed May 20, 1948. SERVICE MARK.

DURABAKE

FOR PAINTING USED AUTOMOBILES AND REPAIRING AUTO BODIES.

Claims use since Jan. 3, 1948.

Ser. No. 559,981. CARTAN TRAVEL BUREAU, INC., Chicago, Ill. Filed May 7, 1948. SERVICE MARK.



No claim is made to the surname "Cartan" nor to the word "Tours" except as associated with the rest of the service mark.

FOR ARRANGING AND CONDUCTING DOMESTIC AND FOREIGN TRAVEL TOURS AND CRUISES.

Claims use since May 1, 1946.

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1905

443,333. SINKS, COFFEE URNS, COFFEE BOILERS, HOT WATER URNS, SLOP SINKS, FUNNELS, INSET PANS FOR STEAM TABLES, AND BASE-METAL CHOCOLATE POTS FOR HOLDING CHOCOLATE. RUDMAN & SCOFIELD, INC., New York, N. Y.
Filed Jan. 3, 1945, Serial No. 478,190. Published May 24, 1949. Class 13.

443,334. ELECTRIC INSULATED WIRE — NAMELY, SPIRALLY STRIPED OR COLOR-CODED PLASTIC INSULATED WIRE. ALBERT H. SURPRENANT, doing business as Surprenant Electrical Insulation Co., Boston, Mass., assignor to Surprenant Mfg. Co., Boston, Mass.
Filed Mar. 2, 1946, Serial No. 497,580. Published May 31, 1949. Class 21.

443,335. WOOLEN FABRICS IN THE PIECE. PACIFIC MILLS, Boston, Mass., and New York, N. Y.
Filed Mar. 9, 1946, Serial No. 497,963. Published May 10, 1949. Class 42.

443,336. FILLED AND UNFILLED CANNISTER-TYPE BOMBS FOR DISPENSING OR APPLYING INSECTICIDES, GERMICIDES, DEODORIZING AGENTS, ODOR NEUTRALIZERS, AND THE LIKE. ENTERPRISE INDUSTRIES, New York, N. Y., assignor, by mesne assignments, to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut.
Filed Mar. 29, 1946, Serial No. 499,218. Published May 31, 1949. Class 23.

443,337. ELECTRIC COFFEE ROASTERS. AUGUST S. TORRES, Kinderhook, N. Y.
Filed Apr. 9, 1946, Serial No. 499,925. Published May 17, 1949. Class 21.

443,338. MEN'S AND WOMEN'S SWIM SUITS AND TRUNKS. GANTNER & MATTERN COMPANY, San Francisco, Calif.
Filed June 29, 1946, Serial No. 504,830. Published Apr. 19, 1949. Class 39.

443,339. LAMINATED MATERIAL COMPRISING PLASTICS AND WOOD IN THE FORM OF SHEETS AND PANELS FOR BUILDING AND CONSTRUCTION PURPOSES. UNITED STATES PLYWOOD CORPORATION, New York, N. Y.
Filed June 29, 1946, Serial No. 504,870. Published May 24, 1949. Class 12.

443,340. LAMINATED WOOD ARCHES FOR BUILDING CONSTRUCTION AND PREFABRICATED HOUSES MADE OF WOOD. UNIT STRUCTURES, INC., Peshtigo, Wis.
Filed July 12, 1946, Serial No. 505,537. Published May 3, 1949. Class 12.

443,341. PLASTIC SHEET LAMINATES FOR WALLBOARD, WALL COVERING, AND TABLE TOPS. MERIDIAN PLASTICS INC., Byesville, Ohio.
Filed July 31, 1946, Serial No. 506,607. Published May 24, 1949. Class 12.

443,342. COSMETICS—NAMELY, FACE POWDER, LIPSTICKS, FACE CREAMS, LOTIONS, COLOGNES, AND PERFUMES. GENE SALÉE, Hollywood, Calif.
Filed Aug. 2, 1946, Serial No. 506,771. Published May 31, 1949. Class 6.

443,343. NECKTIES, CRAVATS, AND SCARFS. COHAN & ROTH, INCORPORATED, New York, N. Y.
Filed Aug. 14, 1946, Serial No. 507,375. Published May 3, 1949. Class 39.

443,344. MEN'S PAJAMAS AND LADIES' BLOUSES. WESTMOOR MANUFACTURING CO., Minneapolis, Minn.
Filed Sept. 13, 1946, Serial No. 509,061. Published Apr. 27, 1948. Class 39.

443,345. GREASE TRAPPING AND FILTERING DEVICES, USED IN CONJUNCTION WITH COOKING STOVES, EACH DEVICE CONSISTING OF AN INVERTED WIRE-MESH CONE BELOW WHICH A CAN IS SUSPENDED, ETC. PETER A. SPANOS, doing business as Span-O-San Manufacturing Co., San Francisco, Calif.
Filed Nov. 1, 1946, Serial No. 511,908. Published May 24, 1949. Class 13.

443,346. CHEMICALLY TREATED PADS FOR MACHINELESS PERMANENT WAVING. SAMUEL BONAT & BRO., New York, N. Y.
Filed Jan. 18, 1947, Serial No. 515,933. Published May 31, 1949. Class 44.

443,347. LIQUID AND WAX BASE HAIR PREPARATIONS. DONALD C. STOKES, doing business as Stokes Institute of Hair Technology, Newark, N. J.
Filed Jan. 28, 1947, Serial No. 516,510. Published May 31, 1949. Class 6.

443,348. WATER AND WIND REPELLANT JACKETS, FOR MEN AND BOYS. GEAN EDWARDS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed Feb. 6, 1947, Serial No. 517,047. Published Nov. 9, 1948. Class 39.

443,349. MEN'S OUTER SHIRTS. H. FISHMAN & SON, Philadelphia, Pa.
Filed Mar. 12, 1947, Serial No. 518,883. Published May 3, 1949. Class 39.

443,350. MEN'S AND BOYS' HATS AND CAPS. STEVENS HAT COMPANY, St. Joseph, Mo.
Filed Mar. 12, 1947, Serial No. 518,921. Published May 3, 1949. Class 39.

443,351. SPEED REDUCING ATTACHMENT FOR POWER-DRIVEN HAND TOOLS. DRILO CORPORATION, Pittsburgh, Pa.
Filed Apr. 19, 1947, Serial No. 521,002. Published May 24, 1949. Class 23.

443,352. APRONS, MAKE-UP CAPES AND SHOWER CAPS COMPOSED OF PLASTIC FILM. SPERBER COMPANY, Philadelphia, Pa.
Filed May 19, 1947, Serial No. 522,652. Published May 3, 1949. Class 39.

443,353. HAND EDGE CUTTING TOOLS—NAMELY, PUTTY KNIVES, SCRAPERS, BUTCHER'S KNIFE SHARPENING STEEL, AND TABLE SERVICE KNIVES. RUSSELL HARRINGTON CUTLERY COMPANY, Southbridge, Mass.
Filed May 29, 1947, Serial No. 523,283. Published May 31, 1949. Class 23.

443,354. PYROPHORIC LIGHTERS FOR SMOKERS AND CIGARETTE CASES. BENLOW LIMITED, London, England.
Filed June 4, 1947, Serial No. 523,512. Published May 10, 1949. Class 8.

443,355. FRESH GRAPES. PAUL A. DOBSON, Exeter, Calif.
Filed June 7, 1947, Serial No. 523,771. Published Apr. 19, 1949. Class 46.

443,356. DIAGNOSTIC INSTRUMENTS, CONSISTING OF ADAPTOMETERS, LARYNGOSCOPES, ETC. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed June 19, 1947, Serial No. 524,429. Published May 31, 1949. Class 44.

443,357. CONCRETE PRODUCTS—NAMELY, WATER AND SALT TROUGHS, WATER TANKS, AND DRAIN TILE. LOUIS M. CASTRO, doing business as Cast-Crete Products, San Angelo, Tex.
Filed June 20, 1947, Serial No. 524,522. Published May 24, 1949. Class 12.

443,358. ELECTRIC LIGHTING FIXTURES—NAMELY, TROUGH LIGHTING FIXTURES, ETC. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill.
Filed July 2, 1947, Serial No. 526,518. Published May 17, 1949. Class 21.

443,359. ELECTRIC IRONS. CENTURY PRECISION WORKS, INC., New York, N. Y.
Filed July 2, 1947, Serial No. 526,544. Published May 24, 1949. Class 21.

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514,648. APPARATUS FOR SUPPLYING IMPULSES OF CURRENT TO ELECTRIC WELDING MACHINES. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Original filed, act of 1905, Feb. 16, 1945; amended to application under act of 1946, Principal Register, Sept. 5, 1947, Serial No. 479,901. Published May 17, 1949. Class 21.

514,649. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Original filed, act of 1905, Sept. 19, 1945; amended to application under act of 1946, Principal Register, Jan. 7, 1948, Serial No. 488,688. Published Apr. 26, 1949. Class 37.

514,650. PERMANENT HAIR WAVING MACHINES, EQUIPMENT AND DEVICES, ETC. RILLING COMPANY, Minneapolis, Minn., assignor to Rilling Company, Bridgeport, Conn., a corporation of Connecticut.
Original filed, act of 1905, Feb. 15, 1946; amended to application under act of 1946, Principal Register, Dec. 13, 1947, Serial No. 496,664. Published May 31, 1949. Class 44.

514,651. CHILDREN'S WEAR—NAMELY, DRESSES, SWEATERS, CREEPERS, PLAY-SUITS, AND POLO SHIRTS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Original filed, act of 1905, Mar. 14, 1946; amended to application under act of 1946, Principal Register, Oct. 11, 1948, Serial No. 498,215. Published May 3, 1949. Class 39.

514,652. VIBRATION ABSORBING MATERIALS FOR ACOUSTIC INSULATION, MECHANICAL INSULATION, AND SIMILAR PURPOSES. THE FELTERS COMPANY, Boston, Mass.
Original filed, act of 1905, Apr. 2, 1946; amended to application under act of 1946, Principal Register, Sept. 25, 1947, Serial No. 490,490. Published May 10, 1949. Class 12.

514,653. REFRACTORIES—NAMELY, SLABS, BATS, POSTS, RAILS AND FITTINGS WHICH IN USE ARE SUBJECTED TO HIGH TEMPERATURES AND WHICH MAY FORM OR BE INCORPORATED IN OR USED IN CONNECTION WITH HEATING CHAMBERS AND FURNACES, AND WHICH ARE CLAY BONDED, ETC. AMERICAN CRUCIBLE COMPANY, North Haven, Conn.
Original filed, act of 1905, Apr. 23, 1946; amended to application under act of 1946, Principal Register, Sept. 20, 1947, Serial No. 500,728. Published May 3, 1949. Class 12.

514,654. METALLIC FITTINGS AND ALLOYS—NAMELY, ANODE RODS FOR ELECTROLYTICALLY PREVENTING CORROSION OF TANKS, LIQUID CONTAINERS AND WATER HEATERS. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio.
Original filed, act of 1905, June 5, 1946; amended to application under act of 1946, Principal Register, Nov. 5, 1947, Serial No. 503,283. Published May 24, 1949. Class 21.

514,655. PIECE GOODS OF SILK, COTTON, AND SYNTHETIC FIBRES. SAMUEL SCHER & SON, INC., New York, N. Y.
Original filed, act of 1905, Aug. 10, 1946; amended to application under act of 1946, Principal Register, Nov. 4, 1947, Serial No. 507,222. Published Nov. 23, 1948. Class 42.

514,656. POWER-DRIVEN BENCH MATERIAL WORKING TOOLS—NAMELY, ROTARY SAWS, JIG SAWS, BAND SAWS, JOINERS, WOODWORKING LATHES, SANDERS, AND SHAPERS. CENTRAL INDUSTRIES, INC., Watertown, Conn.
Original filed, act of 1905, Sept. 6, 1946; amended to application under act of 1946, Principal Register, Jan. 8, 1949, Serial No. 508,573. Published May 24, 1949. Class 23.

514,657. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SWEATERS, CAPS, ETC. ALLIED STORES CORPORATION, also doing business as The Bon Marche and Dey Brothers & Company, and Quackenbush Company, Wilmington, Del., New York, N. Y., Seattle, Wash., Syracuse, N. Y., and Paterson, N. J.
Original filed, act of 1905, Oct. 2, 1946; amended to application under act of 1946, Principal Register, Oct. 26, 1947, Serial No. 510,046. Published Apr. 26, 1949. Class 39.

514,658. WOMEN'S, MISSES', GIRLS', CHILDREN'S, AND TODDLERS' OUTER WEAR GARMENTS—NAMELY, COATS, SUITS, DRESSES, SLACKS, SKIRTS, ETC. JUSTIN MCCARTY, INC., Dallas, Tex.
Original filed, act of 1905, Nov. 6, 1946; amended to application under act of 1946, Principal Register, Aug. 27, 1947, Serial No. 512,129. Published May 10, 1949. Class 39.

514,659. ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Nov. 27, 1946; amended to application under act of 1946, Principal Register, Sept. 13, 1947, Serial No. 513,351. Published May 24, 1949. Class 29.

514,660. ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Nov. 27, 1946; amended to application under act of 1946, Principal Register, Sept. 13, 1947, Serial No. 513,359. Published May 24, 1949. Class 29.

514,661. ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Nov. 27, 1946; amended to application under act of 1946, Principal Register, Sept. 13, 1947, Serial No. 513,362. Published May 24, 1949. Class 29.

514,662. ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed, act of 1905, Nov. 27, 1946; amended to application under act of 1946, Principal Register, Sept. 13, 1947, Serial No. 513,366. Published May 24, 1949. Class 29.

514,663. CAMERAS OF THE ROLL FILM TYPE. ZENITH CAMERA CORPORATION, Chicago, Ill.
Original filed, act of 1905, Nov. 30, 1946; amended to application under act of 1946, Principal Register, June 2, 1948, Serial No. 513,545. Published May 24, 1949. Class 26.

514,664. MEN'S, YOUNG MEN'S, WOMEN'S, MISSES', AND JUNIORS' OVERCOATS AND TOPCOATS. C. B. SHANE CORPORATION, Chicago, Ill.
Original filed, act of 1905, Dec. 26, 1946; amended to application under act of 1946, Principal Register, Nov. 5, 1947, Serial No. 514,854. Published Mar. 22, 1949. Class 39.

514,665. WOMEN'S SPORT CLOTHES—NAMELY, SHORTS, PEDAL PUSHERS, SLACKS, DRESSES, JACKETS, AND COATS. ALEX GREENWALD, doing business as Pearl-Art Sportswear, Los Angeles, Calif.
Original filed, act of 1905, Jan. 13, 1947; amended to application under act of 1946, Principal Register, Dec. 5, 1947, Serial No. 515,660. Published Apr. 26, 1949. Class 39.

514,666. HYDRAULIC PRESSES AND PARTS THEREOF, ETC. FRED S. CARVER, INC., New York, N. Y.
Original filed, act of 1905, Jan. 31, 1947; amended to application under act of 1946, Principal Register, Jan. 10, 1948, Serial No. 516,670. Published May 24, 1949. Class 23.

514,667. PERFUME. ALLEN B. WRISLEY COMPANY, Chicago, Ill.
Original filed, act of 1920, Feb. 8, 1947; amended to application under act of 1946, Principal Register, Sept. 1, 1948, Serial No. 517,222. Published May 31, 1949. Class 6.

514,668. AUTOMOTIVE SERVICE EQUIPMENT—NAMELY, AUTOMOBILE LIFTS OF THE HYDRAULIC AND HYDRAULIC-PNEUMATIC TYPE, AIR COMPRESSORS AND HOSE WELLS FOR AIR AND WATER HOSE OF THE CHARACTER USED IN GARAGES AND AUTOMOBILE SERVICE STATIONS. JOHN D. COCHIN, doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, Jan. 19, 1948, Serial No. 517,619. Published May 31, 1949. Class 23.

514,669. MEN'S COATS, PANTS, VESTS, AND OVERCOATS, SLACKS, OUTER SHIRTS, UNDERSHIRTS, AND COMBINATION UNDERSHIRTS AND DRAWERS. B. E. BLOCK & BROS., Norristown, Pa.
Original filed, act of 1905, Mar. 1, 1947; amended to application under act of 1946, Principal Register, Nov. 14, 1947, Serial No. 518,841. Published Apr. 26, 1949. Class 39.

514,670. ASH TRAYS MADE OF GLASS, POTTERY, OR PLASTIC. PAUL L. ZEBRAUSK, doing business as Nonesser Products Company, Minneapolis, Minn.
Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Principal Register, Jan. 19, 1948, Serial No. 519,791. Published May 17, 1949. Class 8.

514,671. APPARATUS FOR GAUGING, CHECKING, BALANCING, AND CORRECTING THE ALIGNMENT, SHAPE, AND POSITIONING OF WHEELS, WHEEL MOUNTINGS, SUSPENSION, AND FRAME STRUCTURES OF AUTOMOTIVE VEHICLES. MANBE EQUIPMENT COMPANY, INC., Chicago, Ill.
Original filed, act of 1905, Apr. 1, 1947; amended to application under act of 1946, Principal Register, June 22, 1948, Serial No. 519,965. Published May 24, 1949. Class 26.

514,672. PORTABLE FIRE EXTINGUISHERS USING CARBON DIOXIDE. THE GENERAL DETROIT CORP., Detroit, Mich.
Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Dec. 26, 1947, Serial No. 523,260. Published May 24, 1949. Class 23.

514,673. CHAIRS, TABLES, PLATFORMS, OR STOOLS WHICH VIBRATE, IN WHOLE OR IN PART, FOR THERAPEUTIC OR MASSAGE PURPOSES. ACIFORM CORPORATION, Chicago, Ill.
Original filed, act of 1905, June 13, 1947; amended to application under act of 1946, Principal Register, July 5, 1949, Serial No. 524,096. Published May 31, 1949. Class 44.

514,674. FARM MACHINERY—NAMELY, THRESHING MACHINERY, SAW-MILLS, PORTABLE AND STATIONARY STEAM-ENGINES, TRACTION-ENGINES, AND TRACTORS. FRICK COMPANY, INC., Waynesboro, Pa.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Nov. 25, 1947, Serial No. 524,450. Published May 31, 1949. Class 22.

514,675. POWER TRANSMISSION CHAINS AND PARTS THEREOF, ETC. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind.
Filed July 5, 1947, Serial No. 526,529. Published May 31, 1949. Class 23.

514,676. CONCRETE STRUCTURES—NAMELY, CONCRETE FENCES AND PARTS THEREOF INCLUDING POSTS, FOOTINGS, POST CAPS, AND PREFORMED POSTS, ETC. CONCRETE ENGINEERS COMPANY, Glendale, Calif.
Filed July 5, 1947, Serial No. 526,686. Published May 17, 1949. Class 12.

514,677. SYRINGES, EMPTY AMPULES, HYPODERMIC NEEDLES, ANAESTHESIA INSTRUMENTS, AND ADAPTERS FOR SYRINGES. ARTHUR E. SMITH, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,212. Published May 31, 1949. Class 44.

514,678. PILLOW AND MATTRESS COVERS. TALON, INC., Meadville, Pa.
Filed July 5, 1947, Serial No. 527,834. Published May 24, 1949. Class 42.

514,679. PERMANENT HAIR WAVING APPLIANCES AND ATTACHMENTS THEREFOR—NAMELY, MACHINES, MACHINE PEDESTALS, ETC. HELENE CURTIS INDUSTRIES, INC., Chicago, Ill.
Filed July 5, 1947, Serial No. 528,113. Published May 31, 1949. Class 44.

514,680. PERFUMES, TOILET LOTIONS, FACE POWDERS, LIPSTICKS, JEANNE PIAUBERT, born Jeanne Quanon, Paris, France.
Filed July 5, 1947, Serial No. 528,146. Published May 10, 1949. Class 6.

514,681. CHLOROPHYL AIR FRESHENERS FOR DEODORIZING ROOMS, GALL BLADDER DYES, ALBUMIN TEST REAGENTS, ETC. A. S. ALOE COMPANY, St. Louis, Mo.
Filed July 9, 1947, Serial No. 528,177. Published May 31, 1949. Class 6.

514,682. PRECISION ATOMIZING NOZZLES FOR ATOMIZING FUEL OILS. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo.
Filed July 9, 1947, Serial No. 528,186. Published May 24, 1949. Class 13.

514,683. VETERINARY PREPARATIONS FOR CATS AND DOGS, TAKEN INTERNALLY. BOB MARTIN (EXPORT) LIMITED, Lancashire, England.
Filed July 12, 1947, Serial No. 528,498. Published May 10, 1949. Class 6.

514,684. WIRE DRAWING MACHINES, BOTH INDIVIDUAL, TANDEM AND CONTINUOUS, ETC. THE VAUGHN MACHINERY COMPANY, Cuyahoga Falls, Ohio.
Filed July 22, 1947, Serial No. 529,216. Published May 24, 1949. Class 23.

514,685. PHARMACEUTICAL PREPARATION FOR USE AS AN ANALGESIC, SEDATIVE AND ANTIPYRETIC. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed July 26, 1947, Serial No. 529,591. Published May 24, 1949. Class 6.

514,686. SAND, AND MORE PARTICULARLY FOR SUCH SAND AS IS USED FOR THE MANUFACTURE OF GLASS. OTTAWA SILICA COMPANY, Ottawa, Ill.
Filed July 26, 1947, Serial No. 529,685. Published May 31, 1949. Class 1.

514,687. TWO-PART THREADED BLIND RIVETS. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 30, 1947, Serial No. 529,972. Published May 31, 1949. Class 13.

514,688. COATS, JACKETS, AND VESTS MADE OF LEATHER OR A COMBINATION OF CLOTH AND LEATHER IN SUBSTANTIAL PART. LEATHERKRAFT, INC., Minneapolis, Minn.
Filed Aug. 4, 1947, Serial No. 530,409. Published Apr. 19, 1949. Class 39.

514,689. MULTI-FOCAL SPECTACLE LENSES AND LENS BLANKS. MODERN OPTICS, INC., Houston, Tex.
Filed Aug. 4, 1947, Serial No. 530,417. Published May 10, 1949. Class 26.

514,690. POTS, KETTLES, TEAKETTLES, PANS, BAKING PANS, ETC. THE WAGNER MANUFACTURING COMPANY, Sidney, Ohio.
Filed Aug. 4, 1947, Serial No. 530,448. Published May 24, 1949. Class 13.

514,691. FRESH VEGETABLES. M. E. THORNBURG, doing business as Thor Packing Co., Holtville, Calif.
Filed Aug. 15, 1947, Serial No. 531,544. Published May 17, 1949. Class 46.

514,692. WOMEN'S AND LITTLE WOMEN'S DRESSES. WEINBERG-WEINBERG-ALPERN, New York, N. Y.
Filed Aug. 15, 1947, Serial No. 531,558. Published May 3, 1949. Class 39.

514,693. MEN'S CLOTHING—NAMELY, SUITS, JACKETS, TOPCOATS, OVERCOATS, TROUSERS, AND SPORTCOATS. TOP-O-MART CLOTHES, INC., Vineland, N. J.
Filed Aug. 21, 1947, Serial No. 532,069. Published Apr. 19, 1949. Class 39.

514,694. FORCE FEED LUBRICATOR PUMPS, CHEMICAL FEEDERS, WHEEL PULLERS, PISTON RING COMPRESSORS, PISTON RING GROOVE CLEANERS, POWER GREASE GUNS, HAND GREASE GUNS, ETC. MANSEL, INC., Buffalo, N. Y.
Filed Sept. 3, 1947, Serial No. 533,184. Published May 31, 1949. Class 23.

514,695. WHEAT FLOUR. NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as The Fremont Mills, Omaha, Nebr.
Filed Sept. 3, 1947, Serial No. 533,193. Published May 17, 1949. Class 46.

514,696. ELECTRICAL MARINE APPARATUS—NAMELY, SEARCHLIGHTS, HORNS, AND SIRENS AND PARTS THEREOF. THE PORTABLE LIGHT CO., INC., New York, N. Y.
Filed Sept. 4, 1947, Serial No. 533,373. Published May 17, 1949. Class 21.

514,697. ACIDS; ACETIC ACID; BORIC ACID; ELECTROLYTIC ACID; FORMIC ACID; MURIATIC ACID; NITRIC ACID; ETC. HAMPDEN COLOR AND CHEMICAL COMPANY, Springfield, Mass.
Filed Sept. 5, 1947, Serial No. 533,564. Published May 31, 1949. Class 6.

514,698. HYDRAULIC JACKS. GENERAL FLUID MACHINERY CO., INC., Huntsville, Ala.
Filed Sept. 8, 1947, Serial No. 533,724. Published May 31, 1949. Class 23.

514,699. WORK, NEGLIGEE, SPORT, AND DRESS SHIRTS. M. & S. SHIRT COMPANY, INC., Elizabeth, N. J.
Filed Sept. 8, 1947, Serial No. 533,756. Published Apr. 19, 1949. Class 39.

514,700. MEN'S OUTER SHIRTS. C. F. HATHAWAY CO., Waterville, Maine.
Filed Sept. 9, 1947, Serial No. 533,890. Published Apr. 19, 1949. Class 39.

514,701. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. MONARCH GARMENT CORP., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,174. Published May 3, 1949. Class 39.

514,702. FRENCH HAMMERS, COBBLER'S HAMMERS, NIPPERS. STANDARD SHOE MACHINERY COMPANY, Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,201. Published May 24, 1949. Class 23.

514,703. STRAIGHTS AND STANDARD SIZE SHAPES OF FIRE BRICK, AND FIRE CLAY. PACIFIC CLAY PRODUCTS, Los Angeles, Calif.
Filed Sept. 12, 1947, Serial No. 534,834. Published Feb. 24, 1948. Class 12.

514,704. OPHTHALMIC LENSES. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind.
Filed Sept. 13, 1947, Serial No. 534,416. Published May 10, 1949. Class 26.

514,705. FRESH CITRUS FRUITS. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla.
Filed Sept. 16, 1947, Serial No. 534,603. Published May 17, 1949. Class 46.

514,706. THREAD CUTTING SCREWS, LOCKING SCREWS, ASSEMBLED SCREWS AND WASHERS, LOCK WASHERS, PLAIN METAL WASHERS, NUTS, ETC. ILLINOIS TOOL WORKS, Chicago, Ill.
Filed Sept. 16, 1947, Serial No. 534,634. Published May 24, 1949. Class 18.

514,707. METAL FLOOR LATH. THE BOSTWICK STEEL LATH COMPANY, Niles, Ohio.
Filed Sept. 17, 1947, Serial No. 534,736. Published May 3, 1949. Class 12.

514,708. BLOUSES, SHIRTS, AND JACKET BLOUSES FOR SPORTSWEAR FOR WOMEN. OWEN-MORGAN, INC., New York, N. Y.
Filed Sept. 24, 1947, Serial No. 535,596. Published May 3, 1949. Class 39.

514,709. DIAMOND POINTS AND DISKS IN DENTAL WORK FOR POLISHING, GRINDING, CUTTING. D & Z DENTAL INSTRUMENT COMPANY, INC., New York, N. Y.
Filed Sept. 26, 1947, Serial No. 535,834. Published May 31, 1949. Class 44.

514,710. PIECE GOODS AND BLANKETS OF WOOL, COTTON, SILK, RAYON, NYLON, AND OTHER NATURAL AND SYNTHETIC FIBRES. PENDLETON WOOLEN MILLS, Pendleton and Portland, Oreg.
Filed Sept. 27, 1947, Serial No. 535,994. Published May 17, 1949. Class 42.

514,711. WOVEN FABRIC OF RAYON YARNS IN THE PIECE. CAMBO FABRICS INC., New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,045. Published May 10, 1949. Class 42.

514,712. WOVEN TEXTILE FABRICS IN THE PIECE OF RAYON YARN. CAMBO FABRICS INC., New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,048. Published May 10, 1949. Class 42.

514,713. COFFEE. DUNCAN COFFEE COMPANY, Houston, Tex.
Filed Sept. 29, 1947, Serial No. 536,062. Published May 17, 1949. Class 46.

514,714. ELEVATOR CUPS. K. I. WILLIS CORPORATION, Moline, Ill.
Filed Oct. 3, 1947, Serial No. 536,737. Published May 31, 1949. Class 23.

514,715. COFFEE. B. FISCHER & CO., INC., New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,886. Published May 17, 1949. Class 46.

514,716. COFFEE. B. FISCHER & CO., INC., New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,888. Published May 17, 1949. Class 46.

514,717. OUTER SHIRTS, PANTS, AND JACKETS. OBERMAN & COMPANY, Jefferson City, Mo.
Filed Oct. 8, 1947, Serial No. 537,227. Published Apr. 26, 1949. Class 39.

514,718. PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS. THE INCO MANUFACTURING CORPORATION, New York, N. Y.
Filed Oct. 9, 1947, Serial No. 537,316. Published May 17, 1949. Class 8.

514,719. CONSTRUCTION ELEMENTS OF COMPOSITE STRUCTURE HAVING BOARD FORM COMPRISING A FIBROUS INSULATING CORE, ETC. THE CELOTEX CORPORATION, Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,561. Published May 3, 1949. Class 12.

514,720. CANNED FISH. CUSTOM HOUSE PACKING COMPANY, Monterey, Calif.
Filed Oct. 13, 1947, Serial No. 537,664. Published May 17, 1949. Class 46.

514,721. CANNED FISH. CUSTOM HOUSE PACKING COMPANY, Monterey, Calif.
Filed Oct. 13, 1947, Serial No. 537,666. Published May 17, 1949. Class 46.

514,722. FRESH CITRUS FRUITS. KRINARD PACKING COMPANY, Riverside, Calif.
Filed Oct. 13, 1947, Serial No. 537,706. Published May 17, 1949. Class 46.

514,723. EDIBLE OILS CONTAINING OLIVE OIL AND PEANUT OIL. JOSEPH LENTINI, doing business as Lentini Packing Co., Brooklyn, N. Y.
Filed Oct. 16, 1947, Serial No. 538,015. Published May 17, 1949. Class 46.

514,724. METAL FOR MAKING DENTAL INLAYS AND CASTINGS, ETC. THE WILLIAM GETZ CORPORATION, Chicago, Ill.
Filed Oct. 18, 1947, Serial No. 538,278. Published May 31, 1949. Class 44.

514,725. CANNED FRUITS, CIDER VINEGAR, FRESH DECIDUOUS FRUITS. APPLE GROWERS ASSOCIATION, Hood River, Oreg.
Filed Oct. 22, 1947, Serial No. 538,589. Published May 17, 1949. Class 46.

514,726. GARDEN HOSE CLAMPS, QUICK CONNECTORS FOR HOSE, ETC. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed Oct. 22, 1947, Serial No. 538,666. Published May 24, 1949. Class 13.

514,727. TURPENTINE CUPS, APRONS, AND CUP COVERS ALL MADE OF METAL. SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga.
Filed Oct. 27, 1947, Serial No. 539,225. Published May 31, 1949. Class 13.

514,728. HAARLEM OIL FOR KIDNEY, LIVER, BLADDER, RHEUMATIC, AND URIC-ACID TROUBLES. GOLD MEDAL HAARLEM OIL CORPORATION, Jersey City, N. J.
Filed Oct. 28, 1947, Serial No. 539,312. Published May 17, 1949. Class 6.

514,729. METAL WORKING MACHINERY—NAMELY, AUTOMATIC SCREW MACHINES, ETC. GREENLEE BROS. & CO., Rockford, Ill.
Filed Nov. 1, 1947, Serial No. 539,869. Published May 31, 1949. Class 23.

514,730. METAL WORKING MACHINERY—NAMELY, AUTOMATIC SCREW MACHINES, ETC. GREENLEE BROS. & CO., Rockford, Ill.
Filed Nov. 1, 1947, Serial No. 539,870. Published May 31, 1949. Class 23.

514,731. CHIFFON IN-THE-PIECE SUCH AS NYLON, SILK, LINEN, AND RAYON. STERN AND STERN TEXTILES, INC., New York, N. Y.
Filed Nov. 4, 1947, Serial No. 540,118. Published May 10, 1949. Class 42.

514,732. CHILDREN'S OVERALLS, PAJAMAS, SNOWSUITS, SUNSUITS, AND BOYS' TROUSERS. MARY D. ACKERMAN, Mechanicsburg, Ohio.
Filed Nov. 7, 1947, Serial No. 540,358. Published May 3, 1949. Class 39.

514,733. TEXTILE CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Nov. 7, 1947, Serial No. 540,470. Published May 10, 1949. Class 42.

514,734. FELT AND STRAW HAT BODIES, INCORPORATED IN HATS TO BE WORN BY WOMEN AND CHILDREN. HENRY POLLAK, INC., New York, N. Y.
Filed Nov. 8, 1947, Serial No. 540,571. Published May 3, 1949. Class 39.

514,735. MINERALS AND MINERAL MIXTURES FOR USE AS A FOOD SUPPLEMENT FOR LIVESTOCK AND POULTRY, AND LIVESTOCK AND POULTRY TONICS AND REMEDIES—NAMELY, DRENCHES AND WORM OILS. THE KALO COMPANY, Quincy, Ill.
Filed Nov. 12, 1947, Serial No. 540,825. Published May 24, 1949. Class 6.

514,736. MEN'S HAT STAY—NAMELY, A FLEXIBLE SHEET MEMBER MADE OF A SYNTHETIC PLASTIC AND FORMED TO FIT BETWEEN THE SWEAT BAND AND CROWN OF A FEDORA AND ALSO TO SUPPORT THE CROWN AT THE FORWARD END OF THE USUAL INDENTATION THEREIN. MARTIN JACOBI, INC., Buffalo, N. Y.
Filed Nov. 17, 1947, Serial No. 541,423. Published May 17, 1949. Class 39.

514,737. POWER-OPERATED EXCAVATING DIPPERS AND PARTS THEREOF. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,485. Published May 31, 1949. Class 23.

514,738. CHUCKS. THOMAS HOIST COMPANY, Chicago, Ill.
Filed Nov. 18, 1947, Serial No. 541,606. Published May 24, 1949. Class 23.

514,739. MEN'S, WOMEN'S AND CHILDREN'S GARMENT AND ACCESSORY PATTERNS, DOLL AND TOY PATTERNS, AND NEEDLECRAFT PATTERNS. SIMPLICITY PATTERN CO. INC., New York, N. Y.
Filed Nov. 19, 1947, Serial No. 541,710. Published May 3, 1949. Class 26.

514,740. HAIR DRESSINGS. DUSHARME PRODUCTS INC., Minneapolis, Minn.
Original filed, act of 1946, Supplemental Register, Nov. 22, 1947; amended to application, Principal Register, Nov. 26, 1948, Serial No. 542,016. Published May 24, 1949. Class 6.

514,741. ELECTRO MECHANICAL APPARATUS IN THE NATURE OF A ROTARY ACTUATOR FOR ACTUATING THE TABS AND OTHER CONTROL SURFACES ON AIRCRAFT. AIRBORNE ACCESSORIES CORPORATION, Hillside, N. J.
Filed Nov. 24, 1947, Serial No. 542,063. Published May 24, 1949. Class 21.

514,742. RIVETS. CHERRY RIVET COMPANY, Los Angeles, Calif.
Filed Nov. 24, 1947, Serial No. 542,063. Published May 24, 1949. Class 13.

514,743. MACHINE STAPLES MADE OF WIRE FOR FASTENING PAPER, CARDBOARD, ETC. METAL SPECIALTIES MANUFACTURING CO., Chicago, Ill.
Filed Aug. 19, 1947, Serial No. 542,232. Published Mar. 1, 1949. Class 13.

514,744. METAL PIPE FITTINGS. WALWORTH COMPANY, Boston, Mass.
Filed Sept. 23, 1947, Serial No. 542,419. Published May 24, 1949. Class 13.

514,745. KNIVES FOR DOMESTIC USE—NAMELY, ARTISTS' KNIVES, ETC. LAMSON & GOODNOW MANUFACTURING COMPANY, Shelburne Falls, Mass.
Filed Nov. 28, 1947, Serial No. 542,598. Published May 31, 1949. Class 28.

514,746. REFRIGERATED PHOTOGRAPHIC FINISHING EQUIPMENT IN THE NATURE OF DEVELOPING TRAYS AND REFRIGERATED TABLES THEREFOR TO MAINTAIN THE SOLUTION AT A PREDETERMINED TEMPERATURE. PHOTO REFRIGERATION EQUIPMENT CO., Kansas City, Mo.
Filed Dec. 1, 1947, Serial No. 542,876. Published May 24, 1949. Class 26.

514,747. PIECE GOODS MADE OF SYNTHETIC AND COTTON FIBERS. STONECUTTER MILLS CORPORATION, New York, N. Y.
Filed Dec. 3, 1947, Serial No. 542,234. Published May 17, 1949. Class 42.

514,748. RULES, FOLDING RULES, AND EXTENSION RULES. MASTER RULE MANUFACTURING CO., INC., White Plains, N. Y.
Filed Dec. 4, 1947, Serial No. 543,310. Published May 10, 1949. Class 26.

514,749. MOTOR ROBES, COUCH THROWS, AND UPHOLSTERY CLOTH OF COTTON, SILK, WOOL, RAYON, OR COMBINATIONS THEREOF IN THE PIECE. BOOTT MILLS, Lowell, Mass.
Filed Oct. 7, 1947, Serial No. 543,361. Published May 17, 1949. Class 42.

514,750. METAL FENCE POSTS. SOUTHWEST STEEL ROLLING MILLS, Los Angeles, Calif.
Filed Dec. 5, 1947, Serial No. 543,539. Published May 31, 1949. Class 13.

514,751. SEWING MACHINES AND ATTACHMENTS. FREE SEWING MACHINE CO., Rockford, Ill.
Filed Dec. 6, 1947, Serial No. 543,595. Published May 24, 1949. Class 23.

514,752. SEWING MACHINES AND ATTACHMENTS. FREE SEWING MACHINE CO., Rockford, Ill.
Filed Dec. 6, 1947, Serial No. 543,596. Published May 24, 1949. Class 23.

514,753. FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,662. Published May 10, 1949. Class 42.

514,754. BRUSHES FOR APPLYING PAINT, VARNISH, STAIN, ENAMEL, AND SIMILAR SUBSTANCES. NU-ENAMEL CORPORATION, Chicago, Ill.
Filed Dec. 8, 1947, Serial No. 543,782. Published May 24, 1949. Class 29.

514,755. BED-SPRINGS. LEGGETT & PLATT, INC., Carthage, Mo.
Filed Dec. 9, 1947, Serial No. 543,815. Published May 3, 1949. Class 32.

514,756. MACHINES FOR MAKING AND MACHINES FOR TRIMMING ALL CLASSES OF HOUSEHOLD, PERSONAL, AND INDUSTRIAL BRUSHES WHICH ARE STAPLE SET, ANCHOR SET, TWISTED-IN-WIRE, PITCH SET WIRE DRAWN, AND SOLID BACK. CARLSON TOOL AND MACHINE COMPANY, Geneva, Ill.
Filed Dec. 10, 1947, Serial No. 543,883. Published May 24, 1949. Class 23.

514,757. METAL SCREEN CLOTH, HARDWARE CLOTH, WINDOW LIFTS, HINGES, AND ADJUSTERS, METAL FENCE POSTS, NAILS, AND METAL FENCING. CYCO STEEL PRODUCTS CORPORATION, Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 543,886. Published May 31, 1949. Class 13.

514,758. ARTISTS' BRUSHES. M. GRUMBACHER, INC., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,062. Published May 24, 1949. Class 29.

514,759. ELECTRIC ARC WELDING UNITS AND MACHINES. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Dec. 11, 1947, Serial No. 544,100. Published May 24, 1949. Class 21.

514,760. SHOE HANGERS. JULIUS F. NEBIKER, doing business as Nebiker Products Company, Peoria, Ill.
Filed Dec. 11, 1947, Serial No. 544,101. Published May 31, 1949. Class 13.

514,761. WOVEN TEXTILE FABRICS OF RAYON YARN IN THE PIECE. CAMBO FABRICS INC., New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,151. Published May 10, 1949. Class 42.

514,762. POT HOLDERS. DOW CORNING CORPORATION, Midland, Mich.
Filed Dec. 13, 1947, Serial No. 544,257. Published May 10, 1949. Class 42.

514,763. EXERCISING GOGGLES. WILLIAM ESTEP, Chicago, Ill.
Filed Dec. 13, 1947, Serial No. 544,258. Published May 17, 1949. Class 26.

514,764. WASHING MACHINES AND IRONING MACHINES. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind.
Filed Dec. 16, 1947, Serial No. 544,449. Published May 17, 1949. Class 24.

514,765. CHEMICAL PREPARATION USED AS SHOE CEMENT SOFTENER. COMPO SHOE MACHINERY CORPORATION, Boston, Mass.
Filed Oct. 30, 1947, Serial No. 544,675. Published May 17, 1949. Class 6.

514,766. OUTBOARD MOTORS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed Dec. 19, 1947, Serial No. 544,840. Published May 31, 1949. Class 23.

514,767. GRIPS FOR MESSENGER, GUY STRAND, AND CONDUCTOR CABLES. MATHIAS KLEIN & SONS, Chicago, Ill.
Filed Dec. 19, 1947, Serial No. 544,879. Published May 31, 1949. Class 23.

514,768. INTERNAL COMBUSTION ENGINES. ROGER LEHMAN, doing business as Lehman Manufacturing Company, Newark, N. J.
Filed Dec. 20, 1947, Serial No. 545,006. Published May 31, 1949. Class 23.

514,769. MEN'S, BOYS', AND WOMEN'S HATS OF FELT AND STRAW. STYLEPARK HATS, INC., Philadelphia, Pa.
Filed Dec. 24, 1947, Serial No. 545,404. Published May 3, 1949. Class 39.

514,770. TEXTILE AND WOOL CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Dec. 26, 1947, Serial No. 545,545. Published May 17, 1949. Class 42.

514,771. TEXTILE AND WOOL CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Dec. 26, 1947, Serial No. 545,547. Published May 17, 1949. Class 42.

514,772. TEXTILE AND WOOL CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Dec. 26, 1947, Serial No. 545,550. Published May 17, 1949. Class 42.

514,773. TEXTILE AND WOOL CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed Dec. 26, 1947, Serial No. 545,551. Published May 17, 1949. Class 42.

514,774. FABRICATED WOODWORK—VIZ., FIREPLACE MANTLES; STAIR WORK; ETC. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa.
Filed Dec. 27, 1947. Serial No. 545,575. Published May 10, 1949. Class 12.

514,775. MAGNETS AND MAGNETIC PULLEYS. DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis.
Filed Dec. 29, 1947, Serial No. 545,623. Published May 17, 1949. Class 21.

514,776. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, CIGAR AND CIGARETTE CASES AND BOXES, TOBACCO JARS AND ASH TRAYS. H. COMOY & CO., LIMITED, London, England.
Filed Dec. 30, 1947, Serial No. 545,717. Published May 31, 1949. Class 8.

514,777. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, CIGAR AND CIGARETTE CASES AND BOXES, TOBACCO JARS AND ASH TRAYS. H. COMOY & CO., LIMITED, London, England.
Filed Dec. 30, 1947, Serial No. 545,718. Published May 31, 1949. Class 8.

514,778. TOBACCO PIPES. H. COMOY & CO., LIMITED, London, England.
Filed Dec. 30, 1947, Serial No. 545,719. Published May 31, 1949. Class 8.

514,779. INSULATED ELECTRICAL CONDUCTORS, SPECIFICALLY TELEPHONE DROP WIRE. GENERAL CABLE CORPORATION, New York, N. Y.
Filed Dec. 30, 1947, Serial No. 545,736. Published May 17, 1949. Class 21.

514,780. POPCORN MACHINES. C. CRETORS & CO., Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 545,960. Published May 31, 1949. Class 23.

514,781. MEN'S, WOMEN'S AND CHILDREN'S GARMENTS—NAMELY, COATS, ETC. H. W. LAWSON MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Jan. 2, 1948, Serial No. 545,999. Published May 3, 1949. Class 39.

514,782. MEN'S, WOMEN'S AND CHILDREN'S GARMENTS—NAMELY, COATS, ETC. H. W. LAWSON MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Jan. 2, 1948, Serial No. 546,000. Published May 3, 1949. Class 39.

514,783. CARPENTER'S CLAMPS. THE CINCINNATI TOOL COMPANY, Norwood, Ohio.
Filed Dec. 17, 1947, Serial No. 546,079. Published May 31, 1949. Class 23.

514,784. CANNED FRUITS. WASHINGTON CANNERS CO-OPERATIVE, Vancouver, Wash.
Filed Jan. 5, 1948, Serial No. 546,254. Published May 10, 1949. Class 46.

514,785. LUMBER—NAMELY, FOUNDATION SILLS, STRUCTURAL TIMBERS, FENCE PICKETS, GARDEN STAKES, ETC. HOLMES EUREKA LUMBER COMPANY, Eureka and San Francisco, Calif.
Filed Jan. 6, 1948, Serial No. 546,299. Published May 17, 1949. Class 12.

514,786. MEN'S DRESS SHIRTS AND MEN'S SPORT SHIRTS. BUSHARD SHIRT COMPANY, INCORPORATED, New Haven, Conn.
Filed Jan. 9, 1948, Serial No. 546,553. Published May 3, 1949. Class 39.

514,787. ELECTRICAL APPARATUS—NAMELY, RADIO RECEIVING AND/OR TRANSMITTING SETS, PUBLIC ADDRESS AND INTER-OFFICE COMMUNICATION SYSTEMS, ELECTRIC PHONOGRAPHS, CONDENSERS, TRANSFORMERS, ETC. OLSON RADIO WAREHOUSE, INC., Akron, Ohio.
Filed Jan. 9, 1948, Serial No. 546,597. Published May 17, 1949. Class 21.

514,788. HAND TOOLS OF ALL KINDS—NAMELY, BUTCHER STEELS, ETC. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed Jan. 9, 1948, Serial No. 546,622. Published May 31, 1949. Class 23.

514,789. MEDICAMENT ADMINISTERING APPLIANCES USED IN INTERNAL HYGIENE. ROSAMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif.
Filed Jan. 13, 1948, Serial No. 546,854. Published May 31, 1949. Class 44.

514,790. WASHING MACHINES AND PARTS THEREOF. BORG-WARNER CORPORATION, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 546,933. Published May 31, 1949. Class 24.

514,791. ARMOURED CABLE AND NON-METALLIC FLEXIBLE CONDUIT FITTINGS—NAMELY, CONNECTORS OF THE STRAIGHT AND ANGLED TYPE, COUPLINGS, COUPLING CONNECTORS, COMBINATION COUPLINGS. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed Jan. 14, 1948, Serial No. 547,060. Published May 31, 1949. Class 21.

514,792. ELECTRIC CONDUIT FITTINGS—NAMELY, LUGS FOR SOLID AND STRANDED WIRES. THE THOMAS & BETTS CO., Elizabeth, N. J.
Filed Jan. 14, 1948, Serial No. 547,066. Published May 24, 1949. Class 21.

514,793. ASH TRAYS. BENNETT DESIGN AND ENGINEERING CO., Washington, D. C.
Filed Jan. 26, 1948, Serial No. 547,963. Published May 17, 1949. Class 8.

514,794. METALLIC IRRIGATION TUBES, SPRINKLER HEADS, AND IRRIGATION TUBE FITTINGS PARTICULARLY FOR PORTABLE IRRIGATION SYSTEMS. NORTHWEST TUBE & METAL FABRICATORS, Portland, Oreg.
Filed Jan. 26, 1948, Serial No. 548,011. Published May 31, 1949. Class 13.

514,795. SLIP COVER MATERIAL OF COTTON AND SYNTHETIC FIBERS, AWNING FABRICS, AND COATED AND UNCOATED CANVAS FABRICS. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed Jan. 29, 1948, Serial No. 548,288. Published May 17, 1949. Class 42.

514,796. PRESS PADS EMPLOYED FOR PRESSING CLOTHING. RESILLO COMPANY, Chicago, Ill.
Filed Jan. 29, 1948, Serial No. 548,292. Published Apr. 26, 1949. Class 24.

514,797. ELECTRICAL INSULATION MATERIAL—NAMELY, VARNISHED CAMBRIC SHEETING AND TAPE COATED ON THE BACK WITH A PRESSURE SENSITIVE ADHESIVE SUBSTANCE. IRVINGTON VARNISH & INSULATOR COMPANY, Irvington, N. J.
Filed Jan. 30, 1948, Serial No. 548,374. Published May 31, 1949. Class 21.

514,798. GRAIN SEPARATING AND CLEANING MACHINES. HART-CARTER COMPANY, Minneapolis, Minn.
Filed Feb. 2, 1948, Serial No. 548,585. Published May 31, 1949. Class 23.

514,799. ELECTRIC APPARATUS—NAMELY, GENERATORS, ETC. MAGINNIS POWER TOOL CO., Mansfield, Ohio.
Filed Feb. 2, 1948, Serial No. 548,597. Published May 17, 1949. Class 21.

514,800. LOAD RETAINING DOORS AND LOAD RETAINING STRIPS, ETC. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,868. Published May 24, 1949. Class 12.

514,801. ELECTRICAL APPARATUS—NAMELY, COMBINATION WIRE RECORDER, ERASER, AND REPRODUCER, AND DISC RECORD REPRODUCER, AND PARTS THEREOF. WIRE RECORDING CORPORATION OF AMERICA, Brooklyn, N. Y.
Filed Feb. 5, 1948, Serial No. 548,893. Published Apr. 26, 1949. Class 21.

514,802. ELECTRICAL PANELBOARDS. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich.
Filed Feb. 6, 1948, Serial No. 548,918. Published May 31, 1949. Class 21.

514,803. WOMEN'S AND MISSES' TWOPIECE SUITS. THE WALLACH CO., INC., Philadelphia, Pa.
Filed Feb. 9, 1948, Serial No. 549,198. Published May 3, 1949. Class 39.

514,804. WOOLEN FABRICS IN THE PIECE, MADE IN THE FORM OF KNITTED, NETTED, TEXTILE, AND OTHER WOVEN PIECE GOODS. SOL FLETCHER, INC., New York, N. Y.
Filed Nov. 14, 1947, Serial No. 549,356. Published May 10, 1949. Class 42.

514,805. POWER LIFTRUCKS. REVOLVATOR COMPANY, North Bergen, N. J.
Filed Feb. 11, 1948, Serial No. 549,464. Published May 24, 1949. Class 23.

514,806. TOILET PREPARATIONS, PREPARATIONS FOR USE IN THE TREATMENT OF THE HAIR, ETC. THE NESTLE-LEMUR COMPANY, Meriden, Conn.
Filed Feb. 12, 1948, Serial No. 549,567. Published May 17, 1949. Class 6.

514,807. HAIR-TREATING COMPOSITION USED IN CONNECTION WITH TINTING HAIR. THE NESTLE-LEMUR COMPANY, Meriden, Conn.
Filed Feb. 12, 1948, Serial No. 549,569. Published May 24, 1949. Class 6.

514,808. WRENCHES. AIR REDUCTION SALES COMPANY, New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,689. Published May 24, 1949. Class 23.

514,809. COTTON FABRICS FOR SHIRTS. RODNEY FIELDING, INC., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,754. Published May 10, 1949. Class 42.

514,810. RECTIFIERS OF THE THERMIONIC TUBE, VALVE, DRY PLATE, AND METALLIC TYPES. SYNTRON COMPANY, Homer City, Pa.
Filed Feb. 14, 1948, Serial No. 549,763. Published May 24, 1949. Class 21.

514,811. ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Feb. 16, 1948, Serial No. 549,817. Published May 24, 1949. Class 21.

514,812. ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Feb. 16, 1948, Serial No. 549,818. Published May 24, 1949. Class 21.

514,813. ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Feb. 16, 1948, Serial No. 549,819. Published May 24, 1949. Class 21.

514,814. GARDEN ALL-PURPOSE TRACTOR. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn.
Filed Feb. 16, 1948, Serial No. 549,849. Published May 24, 1949. Class 23.

514,815. LADIES' CLOAKS AND SUITS. THE CARL-MANN CLOAK CO., Kansas City, Mo.
Filed Feb. 16, 1948, Serial No. 549,863. Published May 10, 1949. Class 39.

514,816. STORAGE BATTERIES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed Feb. 17, 1948, Serial No. 549,920. Published May 24, 1949. Class 21.

514,817. LEATHER TRAVELING BAGS AND BRIEF CASES. NATIONAL BRIEF CASE MFG. CO., INC., Chicago, Ill.
Filed Feb. 17, 1948, Serial No. 549,940. Published Oct. 19, 1948. Class 3.

514,818. CHILDREN'S CLOTHING—NAMELY, DRESSES, UNDERSHIRTS, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,096. Published Apr. 26, 1949. Class 39.

514,819. CENTRIFUGAL PUMPS. AMPCO METAL, INC., Milwaukee, Wis.
Filed Feb. 21, 1948, Serial No. 550,286. Published May 24, 1949. Class 23.

514,820. ELECTRICAL LAMPS. SCHILLER BROS., Union City, N. J.
Filed Feb. 21, 1948, Serial No. 550,356. Published May 24, 1949. Class 21.

514,821. FACE PLASTERS FOR TREATING WRINKLES. THE B & P COMPANY, Lakewood, Ohio.
Filed Feb. 24, 1948, Serial No. 550,379. Published May 31, 1949. Class 44.

514,822. PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed Feb. 24, 1948, Serial No. 550,382. Published May 10, 1949. Class 6.

514,823. PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed Feb. 24, 1948, Serial No. 550,383. Published May 24, 1949. Class 6.

514,824. WOMEN'S AND MISSES' BLOUSES AND DRESSES. JOAN KENLEY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,520. Published May 3, 1949. Class 39.

514,825. ELECTRICAL CONDUIT FITTINGS. THE PYLE-NATIONAL COMPANY, Chicago, Ill.
Filed Feb. 25, 1948, Serial No. 550,551. Published May 24, 1949. Class 21.

514,826. BRUSHES FOR USE BY PAINTERS, PAPERHANGERS, ARTISTS, SIGN WRITERS, AND SIGN PAINTERS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Feb. 25, 1948, Serial No. 550,560. Published May 31, 1949. Class 29.

514,827. CHILDREN'S AND INFANTS' DRESSES. NANNETTE MANUFACTURING COMPANY, INC., Philadelphia, Pa.
Filed Feb. 26, 1948, Serial No. 550,604. Published May 10, 1949. Class 39.

514,828. PIECE GOODS OF COTTON AND SYNTHETIC FIBERS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed Feb. 27, 1948, Serial No. 550,670. Published May 10, 1949. Class 42.

514,829. ELECTRICALLY-DRIVEN, GARBAGE DISPOSAL UNIT. MORRIS MUCHNICK, doing business as Wonder-Aid Products Co., Burbank, Calif.
Filed Feb. 27, 1948, Serial No. 550,722. Published May 24, 1949. Class 21.

514,830. ELECTRONIC CONTROL APPARATUS FOR CONTROLLING THE RANGE OF HEADLIGHT BEAMS, ETC. AUTOMATIC HEADLIGHT DIMMER CORPORATION, Camden, N. J.
Filed Feb. 28, 1948, Serial No. 550,776. Published May 24, 1949. Class 21.

514,831. SYNTHETICAL AND ARTIFICIAL PERFUMES. FIRMENICH & CO., Geneva, Switzerland.
Filed Feb. 28, 1948, Serial No. 550,801. Published May 3, 1949. Class 6.

514,832. APRONS. ANNA LOUISE S. CARROLL, New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,228. Published May May 3, 1949. Class 39.

514,833. DRY BATTERIES. GENERAL DRY BATTERIES, INC., Lakewood, Ohio.
Filed Mar. 5, 1948, Serial No. 551,268. Published May 24, 1949. Class 21.

514,834. VALVES. EVERLASTING VALVE COMPANY, Jersey City, N. J.
Filed Mar. 6, 1948, Serial No. 551,375. Published May 31, 1949. Class 13.

514,835. PORTABLE ELECTRIC LAUNDRY WASHERS. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed Mar. 9, 1948, Serial No. 551,527. Published May 31, 1949. Class 24.

514,836. BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED OR FORMED THEREFROM. NEW ENGLAND MICA COMPANY, Waltham, Mass.
Filed Mar. 10, 1948, Serial No. 551,651. Published May 24, 1949. Class 21.

514,837. BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED OR FORMED THEREFROM. NEW ENGLAND MICA COMPANY, Waltham, Mass.
Filed Mar. 10, 1948, Serial No. 551,652. Published May 24, 1949. Class 21.

514,838. BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED OR FORMED THEREFROM. NEW ENGLAND MICA COMPANY, Waltham, Mass.
Filed Mar. 10, 1948, Serial No. 551,653. Published May 24, 1949. Class 21.

514,839. BROILER PANS. CRISSEN AND SEXTON COMPANY, Chicago, Ill.
Filed Mar. 11, 1948, Serial No. 551,696. Published May 24, 1949. Class 13.

514,840. PULLMAN CURTAINS. TALON, INC., Meadville, Pa.
Filed Mar. 11, 1948, Serial No. 551,746. Published May 17, 1949. Class 42.

514,841. HAIR NETS. A. C. GILL AND CLEAVER LIMITED, Nottingham, England.
Filed Mar. 12, 1948, Serial No. 551,794. Published May 10, 1949. Class 39.

514,842. NON-METALLIC SHEATHED ELECTRIC CABLE. TRIANGLE CONDUIT & CABLE CO., INC., New Brunswick, N. J.
Filed Mar. 12, 1948, Serial No. 551,830. Published May 24, 1949. Class 21.

514,843. SLIDE FASTENERS. TALON, INC., Meadville, Pa.
Filed Mar. 13, 1948, Serial No. 551,919. Published May 31, 1949. Class 13.

514,844. TOOTHBRUSHES. ADDIS LIMITED, Hertford, England.
Filed Mar. 16, 1948, Serial No. 552,029. Published May 24, 1949. Class 29.

514,845. ELECTRICAL SOUND RECORDING MACHINES, ELECTRICALLY CONTROLLED PHONOGRAPH TURNTABLES, AND ELECTRICALLY CONTROLLED MECHANISM FOR SOUND PRODUCING APPARATUS. DUOTONE COMPANY, INC., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,044. Published May 24, 1949. Class 21.

514,846. CLOTH GOODS, BEING COTTON FABRICS IN THE PIECE. SASSOONS, INC., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,085. Published May 24, 1949. Class 42.

514,847. CLOTH GOODS, BEING COTTON FABRICS IN THE PIECE. SASSOONS, INC., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,086. Published May 24, 1949. Class 42.

514,848. WATER METER COUPLINGS. THE FORD METER BOX COMPANY, INC., Wabash, Ind.
Filed Mar. 17, 1948, Serial No. 552,137. Published May 31, 1949. Class 13.

514,849. WATER METER COUPLINGS. THE FORD METER BOX COMPANY, INC., Wabash, Ind.
Filed Mar. 17, 1948, Serial No. 552,138. Published May 31, 1949. Class 13.

514,850. FOOT LOTION. DUMAS M. REDMOND, doing business as Mecco Sales Co., Brooklyn and New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,166. Published May 31, 1949. Class 6.

514,851. DRAWER AND DOOR HANDLES. MONOGRAM MANUFACTURING COMPANY, West Los Angeles and Los Angeles, Calif.
Filed Mar. 18, 1948, Serial No. 552,255. Published May 31, 1949. Class 13.

514,852. SLIDE OPERATED FASTENERS. G. B. PRENTICE MANUFACTURING COMPANY, Kensington, Conn.
Filed Mar. 19, 1948, Serial No. 552,492. Published May 31, 1949. Class 13.

514,853. SLIDE OPERATED FASTENERS. G. B. PRENTICE MANUFACTURING COMPANY, Kensington, Conn.
Filed Mar. 19, 1948, Serial No. 552,493. Published May 31, 1949. Class 13.

514,854. COMPOSITION SHINGLES. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed Mar. 22, 1948, Serial No. 552,727. Published May 3, 1949. Class 12.

514,855. DENTURES AND DENTURE ATTACHMENTS FOR LOCATING PURPOSES. DONALD V. CLEMAN, Seattle, Wash.
Filed Mar. 27, 1948, Serial No. 553,166. Published May 31, 1949. Class 44.

514,856. BRASSIÈRES. TICHENOR & FERGUSON, Los Angeles, Calif.
Filed Mar. 29, 1948, Serial No. 553,318. Published May 17, 1949. Class 39.

514,857. ROUND AND FLAT WIRE, ETC. WILBUR B. DRIVER COMPANY, Newark, N. J.
Filed Mar. 30, 1948, Serial No. 553,352. Published May 31, 1949. Class 21.

514,858. CORN STARCH FOR ADHESIVE PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Mar. 31, 1948, Serial No. 553,465. Published Mar. 8, 1949. Class 5.

514,859. ALUMINUM COOKING UTENSILS—NAMELY, PRESSURE COOKERS. MERIT ENTERPRISES, INC., Brooklyn, N. Y.
Filed Apr. 2, 1948, Serial No. 553,731. Published May 31, 1949. Class 13.

514,860. RADIO RECEIVING SETS AND RADIO TUBES. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed Apr. 2, 1948, Serial No. 553,761. Published May 31, 1949. Class 21.

514,861. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed Apr. 7, 1948, Serial No. 554,012. Published May 10, 1949. Class 42.

514,862. PORTLAND CEMENT AND HIGH-EARLY STRENGTH CEMENT. PACIFIC COAST CEMENT COMPANY, Seattle, Wash.
Filed Apr. 8, 1948, Serial No. 554,145. Published May 17, 1949. Class 12.

514,863. FUNGICIDAL SOLUTION FOR THE RELIEF OF ATHLETE'S FOOT, HAND ITCH, AND COMMON IRRITATIONS. CASEY-AIKENS PHARMACEUTICALS, Kansas City, Mo., assignor to Roy C. Aikens, doing business as Casey-Aikens Pharmaceuticals, Kansas City, Mo.
Filed Apr. 12, 1948, Serial No. 554,264. Published May 31, 1949. Class 6.

514,864. LIQUID SOLDER. TIP-TOP PRODUCTS COMPANY, Omaha, Nebr.
Filed Apr. 13, 1948, Serial No. 554,525. Published May 24, 1949. Class 5.

514,865. FOUNDATION CREAMS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,644. Published May 24, 1949. Class 6.

514,866. HAIR AND CLOTHES BRUSHES. SIDNEY A. WATTS, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,748. Published May 24, 1949. Class 29.

514,867. PHARMACEUTICAL PREPARATION FOR TREATING INFECTIONS OF THE SKIN. JACOB L. WAGNER, doing business as Wagner Drug Company, Dayton, Ohio.
Filed Apr. 16, 1948, Serial No. 554,841. Published May 10, 1949. Class 6.

514,868. SPONGE TYPE FLOOR MOPS. LINMOP MANUFACTURING COMPANY, Dayton, Ohio.
Filed Apr. 19, 1948, Serial No. 554,991. Published May 31, 1949. Class 29.

514,869. FACIAL INVIGORATING APPARATUS. JOHN MINERA, Long Island City, N. Y.
Filed Apr. 22, 1948, Serial No. 555,286. Published May 31, 1949. Class 44.

514,870. PRINTING INKS, PARTICULARLY NEWS INKS. WESTERN NEWSPAPER UNION, Dover, Del., and Omaha, Nebr.
Filed Apr. 22, 1948, Serial No. 555,328. Published May 31, 1949. Class 11.

514,871. CONSUMER SIZED PACKAGES OF TRISODIUM PHOSPHATE, WHICH IS USED FOR WATER SOFTENING, WASHING WALLS, AND OTHER HEAVY DUTY HOUSEHOLD CLEANING. JEWEL TEA CO., INC., Barrington, Ill.
Filed Apr. 24, 1948, Serial No. 555,537. Published May 10, 1949. Class 6.

514,872. COTTON PIECE GOODS. NEW BRAUNFELS TEXTILE MILLS, New Braunfels, Tex.
Filed May 3, 1948, Serial No. 556,116. Published May 17, 1949. Class 42.

514,873. ASBESTOS AND CEMENT COMPOSITION BOARD FOR BUILDING PURPOSES. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,277. Published May 10, 1949. Class 12.

514,874. BITUMINOUS PLASTIC PATCHING COMPOSITIONS. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,279. Published May 17, 1949. Class 12.

514,875. BITUMINOUS MASTIC FLOORING COMPOSITION. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,280. Published May 24, 1949. Class 12.

514,876. ASPHALT ROLL ROOFING AND BUILDING PAPER. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,282. Published May 24, 1949. Class 12.

514,877. ASBESTOS CEMENT SHINGLES. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 7, 1948, Serial No. 556,483. Published May 17, 1949. Class 12.

514,878. COMPOSITIONS FOR TREATMENT OF FUNGAL INFESTATIONS OF SKIN AND OF OTHER PARTS OF THE BODY. LAWRENCE MARION AMES, Alexandria, Va.
Filed May 10, 1948, Serial No. 556,615. Published May 10, 1949. Class 6.

514,879. WATCHES. EMIL LEICHTER WATCH CO., INC., New York, N. Y.
Filed May 11, 1948, Serial No. 556,801. Published May 24, 1949. Class 27.

514,880. OINTMENT FOR HUMAN USE. CLINICAL PRODUCTS LIMITED, Richmond, Surrey, England.
Filed May 21, 1948, Serial No. 557,501. Published May 31, 1949. Class 6.

514,881. CHEMICAL TOXICANTS FOR USE IN MAKING OR FORMULATING AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 26, 1948, Serial No. 557,863. Published May 3, 1949. Class 6.

514,882. CHEMICAL TOXICANTS FOR USE IN MAKING OR FORMULATING AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 26, 1948, Serial No. 557,864. Published May 3, 1949. Class 6.

514,883. POWDER PUFFS AND EYELASH BRUSHES. LEBEN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 29, 1948, Serial No. 558,146. Published May 31, 1949. Class 29.

514,884. SPECIALLY PREPARED HYDRATED LIME FOR INSECTICIDAL USE. WARNER COMPANY, Philadelphia, Pa.
Filed May 29, 1948, Serial No. 558,191. Published May 17, 1949. Class 6.

514,885. PARENTERAL SOLUTION FOR THE TREATMENT OF MENOPAUSAL SYNDROME, HYPOMENORRHEA, AMENORRHEA, MASTITIS AND CHRONIC MASTITIS, MENOPAUSAL ARTHRITIS, SENILE VAGINITIS AND VULVITIS. MEYER CHEMICAL COMPANY, Detroit, Mich.
Filed June 3, 1948, Serial No. 558,462. Published May 24, 1949. Class 6.

514,886. DEVICE FOR PROTECTING THE UMBILICUS. COLOSTON-BABY, INC., Pittsburgh, Pa.
Filed June 5, 1948, Serial No. 558,550. Published May 31, 1949. Class 44.

514,887. WOVEN CLOTH COMPOSED OF WOOL AND MOHAIR FIBERS, OR A MIXTURE THEREOF, BY THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,956. Published May 17, 1949. Class 42.

514,888. MEDICINAL PREPARATION FOR TREATMENT OF ALCOHOLISM. DET DANSKE MEDICINAL- & KEMIKALIE-KOMPAGNI A/S, Copenhagen, Denmark, assignor to Ayerst, McKenna & Harrison Limited, New York, N. Y.
Filed June 14, 1948, Serial No. 559,141. Published Mar. 22, 1949. Class 6.

514,889. CORDED COTTON FABRIC IN THE PIECE. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed June 15, 1948, Serial No. 559,214. Published May 24, 1949. Class 42.

514,890. ATOMIZER UNITS, COMPRISING A CLOSURE, SPRAYING DEVICE AND CONDUIT, SOLD TO THE TRADE FOR APPLICATION TO BOTTLES OR CONTAINERS FOR PERFUME OR OTHER LIQUID PREPARATIONS. LEO MANN, Boston, Mass.
Filed June 16, 1948, Serial No. 559,309. Published May 31, 1949. Class 44.

514,891. BANDAGES—NAMELY, TRACK BANDAGE USED FOR PROTECTION OF HORSES' LEGS. WILLIAM F. MENGEL, doing business under the name and style of Menger Manufacturing Co., Brooklyn, N. Y.
Filed June 17, 1948, Serial No. 559,524. Published May 31, 1949. Class 44.

514,892. AUTOMATIC MASSAGING TABLES. MASSAGE-O-MAT CORPORATION, New York, N. Y.
Filed June 19, 1948, Serial No. 559,722. Published May 31, 1949. Class 44.

514,893. MEDICINAL PREPARATION FOR THE ALLEVIATION OF COUGHS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 22, 1948, Serial No. 559,967. Published May 31, 1949. Class 6.

514,894. DYESTUFFS AND DYESTUFF PRINTING PASTES FOR TEXTILES. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed June 23, 1948, Serial No. 560,023. Published May 31, 1949. Class 6.

514,895. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES COMPRISING AN OINTMENT CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 23, 1948, Serial No. 560,068. Published May 31, 1949. Class 6.

514,896. SHEETING, SHEETS, PILLOW CASES, PRINTED TEXTILE FABRICS, MADE OF COTTON, SILK, OR RAYON FIBER. CARTER DRY GOODS COMPANY, Louisville, Ky.
Filed June 28, 1948, Serial No. 560,317. Published May 10, 1949. Class 42.

514,897. CLOCKS. GENERAL TIME INSTRUMENTS CORPORATION, New York, N. Y., and Thomaston, Conn., now by change of name General Time Corporation, a corporation of Delaware.
Filed June 28, 1948, Serial No. 560,231. Published May 10, 1949. Class 27.

514,898. WATCHES. EMIL LEICHTER WATCH CO., INC., New York, N. Y.
Filed June 30, 1948, Serial No. 560,484. Published May 24, 1949. Class 27.

514,899. MINIATURE LAMPS FOR USE WITH EXAMINING AND OPERATING SURGICAL AND DENTAL INSTRUMENTS. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y.
Filed July 8, 1948, Serial No. 560,676. Published May 31, 1949. Class 44.

514,900. INGREDIENTS AND APPARATUS FOR GIVING "PERMANENT WAVES" COMPRISING HOME PERMANENT WAVE SET OR UNIT—NAMELY, SHAMPOO IN CREAM FORM, COLD WAVING LOTION, ETC. GENII INCORPORATED, St. Paul, Minn.
Filed July 9, 1948, Serial No. 561,001. Published May 31, 1949. Class 44.

514,901. CLOTHS FOR POLISHING, WAXING, AND CLEANING ALL KINDS OF SURFACES SUCH AS AUTOMOBILE FINISHES, FURNITURE, METALWARE, MACHINERY, MACHINERY PARTS, AND GLASS. BEN KRINSKY & COMPANY, INC., Greensboro, N. C.
Filed July 12, 1948, Serial No. 561,198. Published May 31, 1949. Class 29.

514,902. ANTISEPTIC MOUTHWASH. IRENE L. HOLTZ, doing business as Dell Products, Plainfield, N. J.
Filed July 13, 1948, Serial No. 561,230. Published May 31, 1949. Class 6.

514,903. BLAND ANTISEPTIC, EMOLLIENT, AND POWERFUL SUPPURATIVE FOR THE TREATMENT OF BOILS, CARBUNCLES, FELONS, ABSCESSES, AND OTHER INFLAMED CONDITIONS ACCOMPANIED BY SECRETIONS OF PUS. WILLIAM H. REGAN, doing business under the name of Cap-Cal-Ox Laboratory, Bergenfield, N. J.
Filed July 14, 1948, Serial No. 561,342. Published May 31, 1949. Class 6.

514,904. DENTURE BASE MADE OF ACRYLIC RESIN. THE NU-TEK CO., Toledo, Ohio.
Filed July 16, 1948, Serial No. 561,576. Published May 31, 1949. Class 44.

514,905. HORMONES FOR SUBLINGUAL USE. RARE CHEMICALS, INC., Harrison, N. J.
Filed July 19, 1948, Serial No. 561,686. Published May 24, 1949. Class 6.

514,906. SUTURE OR TRACTION DRESSING. DAVIS & GECK, INC., Brooklyn, N. Y.
Filed July 23, 1948, Serial No. 562,030. Published May 31, 1949. Class 44.

514,907. HIGHER ALIPHATIC ALCOHOLS FROM C_{10} TO C_{20} INCLUSIVE. M. MICHEL & COMPANY, INC., New York, N. Y.
Filed July 23, 1948, Serial No. 562,076. Published May 24, 1949. Class 6.

514,906. INSTRUMENT TO POLISH THE TEETH AND MASSAGE THE GUMS. GEORGE A. KRESTER, doing business as Dent-lyte Co., Brockton, Mass.
Filed July 24, 1948, Serial No. 562,143. Published May 31, 1949. Class 44.

514,909. MONOESTERS OF POLYHYDRIC ALCOHOLS. DISTILLATION PRODUCTS, INC., Wilmington, Del., and Rochester, N. Y.
Filed July 30, 1948, Serial No. 562,547. Published May 24, 1949. Class 6.

514,910. PRINTING INKS. MILLER-COOPER INK COMPANY, Kansas City, Mo.
Filed Aug. 2, 1948, Serial No. 562,652. Published May 31, 1949. Class 11.

514,911. INK AND INK PADS FOR USE WITH DUPLICATING MACHINES. MILO HARDING COMPANY, Los Angeles, Calif.
Filed Aug. 2, 1948, Serial No. 562,653. Published May 31, 1949. Class 11.

514,912. INSECTICIDAL CARRIERS AND SOLVENTS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed Aug. 7, 1948, Serial No. 563,030. Published May 31, 1949. Class 6.

514,913. CARBON PAPER AND TYPEWRITER RIBBONS, COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed Aug. 10, 1948, Serial No. 563,111. Published May 31, 1949. Class 11.

514,914. WINDOW AND SHOWER CURTAINS AND PLASTIC FILM FOR MAKING INTO CURTAINS. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed Aug. 12, 1948, Serial No. 563,251. Published May 17, 1949. Class 42.

514,915. CHEMICAL SOLUTION FOR USE IN BATTERIES. GEORGE J. WEMAIS, doing business as Webby Company, Brockton, Mass.
Filed Aug. 16, 1948, Serial No. 563,510. Published May 31, 1949. Class 6.

514,916. TYPEWRITER RIBBON AND CARBON PAPER. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed Aug. 19, 1948, Serial No. 563,740. Published May 31, 1949. Class 11.

514,917. TOILET WATER. HENRI BENDEL, INC., New York, N. Y.
Filed Aug. 24, 1948, Serial No. 563,895. Published May 31, 1949. Class 6.

514,918. TOILET WATER, PERFUME, AND COLOGNE. HENRI BENDEL, INC., New York, N. Y.
Filed Aug. 24, 1948, Serial No. 563,896. Published May 31, 1949. Class 6.

514,919. HAIR POMADE. ANNA PACINI, doing business as Hollywood Cosmetics Co., Memphis, Tenn.
Filed Aug. 24, 1948, Serial No. 563,952. Published May 31, 1949. Class 6.

514,920. ICE CREEPERS FOR USE IN CONNECTION WITH HUMAN FOOTWEAR, INCLUDING ICE CREEPERS FOR MEN, WOMEN, AND CHILDREN. O. A. NOSLUND COMPANY, INC., Williamsport, Pa.
Filed Mar. 15, 1948, Serial No. 563,978. Published May 31, 1949. Class 13.

514,921. ANTIBACTERIAL PRESSOR AND VASOCONSTRICTOR PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Sept. 16, 1948, Serial No. 564,846. Published May 31, 1949. Class 6.

514,922. LIPSTICKS. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed Sept. 10, 1948, Serial No. 564,952. Published May 31, 1949. Class 6.

514,923. SILVER-PLATED FLAT-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Sept. 11, 1948, Serial No. 564,997. Published May 24, 1949. Class 28.

514,924. MOTHPROOFING LIQUIDS, MOTH CAKES, AND MOTH CRYSTALS. ROSETH CORPORATION, New York and Brooklyn, N. Y.
Filed Sept. 11, 1948, Serial No. 565,007. Published May 31, 1949. Class 6.

514,925. TABLETS FOR THE RELIEF OF DYSMENORRHEA AND NON-ORGANIC PAIN CONTAINING A SALT OF AMPHETAMINE, AN ANALGESIC, AND A SEDATIVE. CLARK & CLARK CO., Wenonah, N. J.
Filed Sept. 14, 1948, Serial No. 565,116. Published May 31, 1949. Class 6.

514,926. TABLETS, POWDERS AND CHEWING GUM FOR USE AS A STIMULANT CONTAINING A SALT OF AMPHETAMINE. CLARK & CLARK CO., Wenonah, N. J.
Filed Sept. 14, 1948, Serial No. 565,117. Published May 31, 1949. Class 6.

514,927. SEDATIVE PREPARATION. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed Sept. 15, 1948, Serial No. 565,158. Published May 31, 1949. Class 6.

514,928. ANTIBIOTICS. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed Sept. 15, 1948, Serial No. 565,159. Published May 31, 1949. Class 6.

514,929. ANTIBACTERIAL PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Sept. 23, 1948, Serial No. 565,398. Published May 31, 1949. Class 6.

514,930. WATCHES. VIKING MERCANTILE CORP., New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,464. Published May 24, 1949. Class 27.

514,931. FINGER RINGS. J. P. BYRNE & SONS CO., Omaha, Nebr.
Filed Sept. 23, 1948, Serial No. 565,687. Published May 24, 1949. Class 28.

514,932. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,436. Published May 24, 1949. Class 27.

514,933. CLOCKS AND WATCHES. B. LECHTER, doing business as American Watch Co. of Canada, Montreal, Quebec, Canada.
Filed Oct. 5, 1948, Serial No. 566,466. Published May 24, 1949. Class 27.

514,934. BUNTING COMPRISED OF NYLON AND WOOL. ANNIN & Co., New York, N. Y.
Filed Oct. 28, 1948, Serial No. 567,747. Published May 17, 1949. Class 42.

514,935. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, WOOL, AND COMBINATIONS THEREOF. DOUBLE WOVEN CORPORATION OF AMERICA, Dunmore, Pa., and Brooklyn, N. Y.
Filed Oct. 25, 1948, Serial No. 567,835. Published May 10, 1949. Class 42.

514,936. BLANKETS. CHATHAM MANUFACTURING COMPANY, Elkin, N. C.
Filed Nov. 1, 1948, Serial No. 567,957. Published May 17, 1949. Class 42.

514,937. WATCHES. EMIL LECHTER, New York, N. Y.
Filed Nov. 4, 1948, Serial No. 568,202. Published May 24, 1949. Class 27.

514,938. RAYON FABRICS. NEISLER MILLS, INC., Kings Mountain, N. C.
Filed Nov. 10, 1948, Serial No. 568,522. Published May 17, 1949. Class 42.

514,939. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. S. STEIN & Co., INC., New York, N. Y.
Filed Nov. 12, 1948, Serial No. 568,685. Published May 17, 1949. Class 42.

Certification Marks

514,940. CHEMICALS AND CHEMICAL PRODUCTS. INTERNATIONAL CHEMICAL WORKERS UNION, Akron, Ohio.
Filed Oct. 7, 1947, Serial No. 537,044. Published May 24, 1949. Class 6.

Collective Marks

514,941. BOOKS AND PERIODICALS PUBLISHED FROM TIME TO TIME. CABALLEROS DE DIMAS-ALANO, INC., San Francisco, Calif.
Filed Dec. 6, 1947, Serial No. 543,564. Published Dec. 7, 1948. Class 38.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

514,942. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLLINS RADIO COMPANY, Cedar Rapids, Iowa. Original filed, act of 1905, Nov. 8, 1945; amended to application under act of 1946, Supplemental Register, Mar. 18, 1949, Serial No. 491,234.

OMNI-CHANNEL

FOR RADIO SIGNALLING AND CONTROL APPARATUS—NAMELY, TUNING CONTROLS, FREQUENCY MULTIPLIERS, FREQUENCY SELECTORS.
Claims use since Sept. 6, 1945.

514,943. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PERFECTION PRODUCTS CO., Chicago, Ill. Original filed, act of 1905, Mar. 15, 1946; amended to application under act of 1946, Supplemental Register, July 28, 1948, Serial No. 498,309.

PERFECTION

FOR ALUMINUM WATERLESS TYPE COOKERS AND HEAVY WEIGHT SHEET ALUMINUM COOKWARE—NAMELY, ALUMINUM POTS AND PANS.
Claims use since December 1945.

514,944. (CLASS 19. VEHICLES.) MARMON-HERRINGTON COMPANY, INC., Indianapolis, Ind. Original filed, act of 1905, May 6, 1946; amended to application under act of 1946, Principal Register, Aug. 14, 1947; amended to application, Supplemental Register, Aug. 23, 1948, Serial No. 501,518.

DELIVR-ALL

FOR LIGHT DOOR-TO-DOOR AUTOMOTIVE DELIVERY TRUCKS.
Claims use since May 3, 1946.

514,945. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BROWN & BIGELOW, St. Paul, Minn. Original filed, act of 1905; June 10, 1946; amended to application under act of 1946, Principal Register, July 10, 1947; amended to Supplemental Register, Mar. 19, 1949, Serial No. 503,848.

REDI-SLIP

Applicant claims ownership of Registration No. 144,356.
FOR PLAYING CARDS.
Claims use since Apr. 15, 1946.

514,946. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HALOID COMPANY, Rochester, N. Y. Original filed, act of 1905, Sept. 30, 1946; amended to application under act of 1946, Supplemental Register, Feb. 18, 1948, Serial No. 509,984.

FOTO-FLO

FOR PHOTOGRAPHIC PRINT WASHERS.
Claims use since Sept. 16, 1946.

514,947. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) A. F. PARMALEE, doing business as United States Safety Service Company, Kansas City, Mo. Original filed, act of 1905, Jan. 13, 1947; amended to application under act of 1946, Supplemental Register, Sept. 7, 1948, Serial No. 515,676.

U-S SAFETY SERVICE CO.

FOR GOGGLES, FACE SHIELDS AND CARBON MONOXIDE DETECTORS.
Claims use since October 1944.

514,948. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, Aug. 4, 1948; amended to Supplemental Register, Mar. 31, 1949, Serial No. 517,010.

Bond-Rod

FOR ELECTRICAL CONNECTORS IN THE FORM OF GROUND CLAMPS.
Claims use since Dec. 31, 1946.

514,949. (CLASS 12. CONSTRUCTION MATERIALS.) HOWARD B. BISHOP, doing business as Service Engineering Company, Summit, N. J. Original filed, act of 1905, Apr. 29, 1947; amended to application under act of 1946, Supplemental Register, June 18, 1948, Serial No. 521,497.

SOILPAK

FOR WATERPROOFING POWDER FOR CONVERTING SAND AND SOIL INTO WATERPROOF PAVEMENT WITH THE AID OF BITUMEN.
Claims use since June 1, 1946.

514,950. (CLASS 12. CONSTRUCTION MATERIALS.) FRED A. WELLER, JR., doing business as Weller Adjustable Steel Post Co., Fond du Lac, Wis. Original filed, act of 1905, May 7, 1947; amended to application under act of 1946, Supplemental Register, Apr. 7, 1948, Serial No. 522,005.

DU-ALL

FOR ADJUSTABLE STEEL POSTS TO BE USED IN BUILDINGS FOR SUPPORT AND REINFORCEMENT PURPOSES.
Claims use since Feb. 3, 1947.

514,951. (CLASS 12. CONSTRUCTION MATERIALS.) INSUL-WOOL INSULATION CORPORATION, Wichita, Kans. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Supplemental Register, Aug. 7, 1948, Serial No. 522,435.



FOR THERMAL INSULATING MATERIAL IN BULK FORM MADE FROM CARDBOARD.
Claims use since Apr. 29, 1947.

514,952. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) SCRANTON BATTERY CORPORATION, Archbald, Pa. Original filed, act of 1905, June 30, 1947; amended to application under act of 1946, Principal Register, Dec. 1, 1947; amended to Supplemental Register, May 31, 1949, Serial No. 525,284.

SCRANTON

FOR DRY CELL AND STORAGE BATTERIES.
Claims use since December 1934.

514,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL ALUMINATE CORPORATION, Chicago, Ill. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, Mar. 7, 1949, Serial No. 527,757.



The mark consists of a raised ring encircling the middle of the ball briquet and a pair of embossed circles, on opposite sides of said ball briquet in planes substantially parallel to the plane of said raised central ring.
FOR CHEMICAL COMPOSITIONS IN THE FORM OF BALL BRIQUETS USED IN WATER TREATMENT, SUCH AS FOR SCALE PREVENTION, CORROSION PREVENTION, SOFTENING, PURIFYING, DESILICALIZING, CLARIFYING, STERILISING, AND OTHERWISE CONDITIONING AND IMPROVING THE SAME.
Claims use since 1915.

514,954. (CLASS 12. CONSTRUCTION MATERIALS.) HOLLOSTONE COMPANY, INC., North Hollywood, Calif. Original filed, act of 1946, Principal Register, July 29, 1947; amended to application, Supplemental Register, Mar. 4, 1949, Serial No. 529,896.

HOLLOSTONE

FOR CONCRETE BLOCKS.
Claims use since May 16, 1947.

514,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y. Original filed, act of 1946, Principal Register, July 31, 1947; amended to application, Supplemental Register, Apr. 20, 1949, Serial No. 530,090.

FAN-GLO

FOR ELECTRIC AIR HEATERS FOR DOMESTIC USE.
Claims use since June 5, 1947.

514,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM W. WARREN, doing business as Bill Warren, Pittsburg, Kans. Original filed, act of 1946, Principal Register, Sept. 8, 1947; amended to application, Supplemental Register, July 14, 1948, Serial No. 533,799.

"Does Everything but Spawn"

FOR ARTIFICIAL FISH BAIT.
Claims use since July 10, 1947.

514,957. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STROMBERG-CARLSON COMPANY, Rochester, N. Y. Original filed, act of 1905, Sept. 9, 1947; amended to application under act of 1946, Supplemental Register, July 1, 1949, Serial No. 533,946.

There is Nothing Finer than a Stromberg-Carlson

FOR TELEPHONIC RECEIVING AND TALKING INSTRUMENTS, TELEPHONIC SWITCHBOARDS, TELEPHONIC CENTRAL EXCHANGE APPARATUS, TELEPHONE LINE APPARATUS FOR INTERCONNECTING SAID RECEIVING AND TALKING INSTRUMENTS WITH SAID CENTRAL EXCHANGE, APPARATUS, AND PARTS THEREOF; RADIO AND TELEVISION RECEIVING SETS, AND PARTS THEREOF; AND SOUND SYSTEMS—NAMELY, PUBLIC ADDRESS SYSTEMS, PAGING SYSTEMS, INTERCOMMUNICATING SYSTEMS OF THE INTEROFFICE TELEPHONIC TYPE, AND MUSIC AND SPEECH DISTRIBUTING SYSTEMS INCLUDING ONE OR MORE MICROPHONES OR RECORDING PICKUPS AND ONE OR MORE REPRODUCING DEVICES, AND PARTS THEREOF.
Claims use since August 1927.

514,958. (CLASS 22. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ASSOCIATED PATENTEES, INC., Ampere, N. J. Filed Nov. 25, 1947, Serial No. 541,750.



Applicant claims ownership of Registration No. 377,262.
FOR MILLING MACHINES.
Claims use since June 1936.

514,959. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERFUMERIA GAL, S. A., Madrid, Spain. Original filed, act of 1946, Principal Register, May 25, 1948; amended to application, Supplemental Register, May 7, 1949, Serial No. 557,773.



Applicant claims ownership of Spanish Registration No. 90,221, dated Sept. 29, 1917.
FOR COLOGNES; TOILET LOTIONS; BAY RUM; BRILLIANTINE OR POMADE IN SALVE FORM TO IMPART LUSTER TO THE HAIR; PERFUME; PETROLEUM JELLY; ROUGE IN CREAM, STICK, AND POWDERED FORM; RICE, TALCUM, FACE, AND BODY POWDERS; EYE SHADOW AND MASCARA; LIQUID AND POWDERED NAIL POLISH; PASTE, POWDER, AND LIQUID DENTIFRICES; AND CREAM AND LIQUID DEODORANT FOR PERSONAL USE.

514,960. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JACK GUTSCHNEIDER JEWELRY CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, June 2, 1949, Serial No. 548,967.

VAN GOGH

FOR WATCHES AND WATCH DIALS.
Claims use since Jan. 30, 1948.

514,961. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEBSTER DEBOYCE SMITH, Inglewood, Calif. Original filed, act of 1946, Principal Register, Mar. 20, 1948; amended to application, Supplemental Register, June 27, 1949, Serial No. 552,610.

STANDALAMP

FOR ELECTRIC TABLE-LAMPS.
Claims use since Dec. 9, 1947.

514,962. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOCRAT INC., Dayton, Ohio. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, June 16, 1949, Serial No. 554,204.

VOICE OF THE CAR

FOR LOUD SPEAKERS FOR ATTACHING TO CARS AND USED IN DRIVE-IN THEATERS.
Claims use since Jan. 3, 1948.

514,963. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE B. BRENNAN, Locust Valley, N. Y. Original filed, act of 1946, Principal Register, Apr. 22, 1948; amended to application, Supplemental Register, May 4, 1949, Serial No. 555,244.

NERB'S

FOR EXTERNAL REMEDY FOR DOGS AND HORSES IN THE TREATMENT OF SKIN DISEASES.
Claims use since Apr. 15, 1948.

514,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE FRANÇOISE MASCLET, Paris, France. Original filed, act of 1946, Principal Register, Apr. 28, 1948; amended to application, Supplemental Register, Feb. 7, 1949, Serial No. 555,759.

MODELAGE du VISAGE et du CORPS

The mark consists of the expression "Modelage Du Visage Et Du Corps" which means "Modeling of the Face and Body." Applicant claims ownership of French Registration No. 346,628.

FOR SKIN CREAM; DENTIFRICES; DENTURE POWDERS; NAIL POLISH DRIERS; NAIL POLISHES AND ENAMELS; LIPSTICKS; COSMETIC OILS; HAIR OILS; SUN-TAN OILS AND LOTION; PERFUMES AND COLOGNE; POMADES; TOILET POWDERS; ROUGE; BATH SALTS; EYE SHADOW; HAIR SHAMPOO; SMELLING SALTS; AND TOILET WATERS.

514,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY D. AUSTIN, doing business as Guy D. Austin & Co., Miami, Fla. Filed Aug. 17, 1948, Serial No. 563,594.

AUSTIN'S VERY BEST

FOR AGRICULTURAL INSECTICIDES.
Claims use since July 1947.

514,966. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMPSON HORTICULTURAL CHEMICALS CORP., Los Angeles, Calif. Filed July 29, 1948, Serial No. 562,510.

Weedicide

FOR CONCENTRATE LIQUID CHEMICAL USED IN A SOLUTION AS A SPRAY ON WEEDS, FOR THE PURPOSE OF DESTROYING SAID WEEDS.
Claims use since Jan. 26, 1945.

Service Marks

514,967. (CLASS 35. SERVICES.) KURT LEHMANN, JR., doing business as Leathercraft Process, New York, N. Y. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, Jan. 15, 1949, Serial No. 558,797.

Leathercraft Process

FOR CLEANING, DYEING, RENAPPING, REPOLISHING, REBUFFING, AND RESTORING LEATHER SURFACES.
Claims use since Mar. 15, 1938.

514,968. (CLASS 35. SERVICES.) MIAMI LAUNDRY COMPANY, Miami, Fla. Original filed, act of 1946, Principal Register, Sept. 9, 1947; amended to application, Supplemental Register, Nov. 9, 1948, Serial No. 533,912.

Quality-craft

FOR LAUNDRY AND DRY CLEANING.
Claims use since Apr. 5, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,964. "PITMAN'S SHORTHAND" ETC. AND LABEL DESIGN. Registered May 30, 1899. Sir Isaac Pitman & Sons, Limited, Bath, England. Re-renewed May 30, 1949, to Sir Isaac Pitman & Sons Limited, London, England, a share company organized under the laws of England. BOOKS. Class 38.

73,760. "ZENITH" AND LETTER "Z" ETC. WITHIN DIAMOND-SHAPED DESIGN. Registered May 18, 1909. Zenith Butter and Egg Co. Re-renewed May 18, 1949, to Zenith-Godley Co. Inc., New York, N. Y., a corporation of New York. BUTTER, EGGS, AND AMERICAN FULL-CREAM CHEESE. Class 46.

74,198. MENDETS. Registered June 22, 1909. Collette Manufacturing Company, Amsterdam, N. Y., a corporation of New York. Re-renewed June 22, 1949. METALLIC CLAMPING PATCHES. Class 13.

74,792. GRANO. Registered Aug. 10, 1909. Hugh Wallace Aitken, Glasgow, Scotland. Re-renewed Aug. 10, 1949, to A. F. Craig & Company Limited, Paisley, Renfrewshire, Scotland, a company incorporated under the laws of the United Kingdom of Great Britain and Northern Ireland. ROLLER-MILL CASTINGS. Class 14.

75,622. MOTHER'S. Registered Oct. 26, 1909. The Great Western Cereal Company, Jersey City, N. J., and Chicago, Ill. Re-renewed Oct. 26, 1949, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. CORN MEAL, PEARLED HOMINY, AND HOMINY GRITS. Class 46.

75,871. LIEDERKRANZ. Registered Nov. 23, 1909. Monroe Cheese Company, Monroe, N. Y. Re-renewed Nov. 23, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. CREAM-CHEESE. Class 46.

230,088. FEMINIX. Registered July 12, 1927. Gaston Boudou, London, England. Renewed July 12, 1947. HAIR WASHES, HAIR PREPARATIONS, AND PERFUMES. Class 6.

232,893. "YO-HO" AND DESIGN. Registered Sept. 20, 1927. Yo-Ho Pure Food Products Co. Renewed. Sept. 20, 1947, to Yo Ho Food Products Company, Inc., Chicago, Ill., a corporation of Illinois. POTATO CHIPS AND MAYONNAISE. 46.

235,857. "INTERNATIONAL" ETC. AND DESIGN. Registered Nov. 29, 1927. Worcester Lawn Mower Company, Worcester, Mass. Renewed Nov. 29, 1947, to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware. LAWN MOWERS. Class 23.

235,858. TIP TOP. Registered Nov. 29, 1927. Worcester Lawn Mower Company, Worcester, Mass. Renewed Nov. 29, 1947, to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware. LAWN MOWERS. Class 23.

237,002. MONITOR. Registered Jan. 3, 1928. Worcester Lawn Mower Company, Worcester, Mass. Renewed Jan. 3, 1948, to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware. LAWN MOWERS. Class 23.

237,003. GRASS HOUND. Registered Jan. 3, 1928. Worcester Lawn Mower Company, Worcester, Mass. Renewed Jan. 3, 1948, to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware. LAWN MOWERS. Class 23.

245,912. EXPELLO. Registered Aug. 28, 1928. The Expello Corporation. Renewed Aug. 28, 1948, to Judson Dunaway Corporation, Dover, N. H., a corporation of New Hampshire. MOTH AND MOTH LARVAE KILLER. Class 6.

251,967. ÉTERNELLE CHANSON. Registered Jan. 22, 1929. Societe Anonyme Parfumerie Violet, Paris, France, a corporation organized under the laws of the Republic of France. Renewed Jan. 22, 1949. SOAPS, SOAP CREAMS, AND BATH SOAPS. Class 4.

256,058. DANDY. Registered May 7, 1929. The Buckeye Incubator Company, doing business as Newton Giant Incubator Co. Renewed May 7, 1949, to The Buckeye Incubator Company, Springfield, Ohio, a corporation of Delaware. COAL-BURNING BROODER STOVES. Class 34.

256,520. "SUMMIT" ETC. AND DESIGN. Registered May 21, 1929. The Summit Paint & Varnish Company, Hartford, Conn., a corporation of Connecticut. Renewed May 21, 1949. PAINTS AND VARNISHES, AND PARTICULARLY READY-MIXED PAINTS. Class 16.

256,542. MULTIMETER. Registered May 21, 1929. Rawson Electrical Instrument Co., Cambridge, Mass., a corporation of Massachusetts. Renewed May 21, 1949. ELECTRIC METERS. Class 26.

256,568. "LA DIGNIDAD" WITH REPRESENTATION OF FEMALE FIGURE AND LION ENCLOSED BY RECTANGULAR DESIGN. Registered May 21, 1929, Santos Cigar Co., Inc., Stapleton, N. Y. Renewed May 21, 1949, to Anthony La Morte, Staten Island, N. Y. CIGARS. Class 17.

256,570. "AVIGO" ETC. AND WING-SHAPED DESIGN. Registered May 21, 1929. Elgin National Watch Company, Chicago, Ill. Renewed May 21, 1949, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. WATCHES. Class 27.

256,573. O. A. K. Registered May 21, 1929. Santos Cigar Co., Inc., Stapleton, N. Y. Renewed May 21, 1949, to Anthony La Morte, Staten Island, N. Y. CIGARS. Class 17.

256,608. "CONCERT MASTER" AND DESIGN. Registered May 21, 1929. Continental Corporation, Chicago, Ill., a corporation of Illinois. Renewed May 21, 1949. PHONOGRAPHS, RECORDS, PHONOGRAPH NEEDLES, AND PHONOGRAPH PARTS. Class 36.

256,662. PHILFUELS. Registered May 21, 1929. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed May 21, 1949. GASOLINES. Class 15.

256,752. CURO-METER. Registered May 21, 1929. Taylor Instrument Companies, Rochester, N. Y., a corporation of New York. Renewed May 21, 1949. THERMOMETERS. Class 26.

256,790. C-O-TWO. Registered May 21, 1929. CO_2 Fire Equipment Company, Los Angeles, Calif. Renewed May 21, 1949, to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware. AUTOMATIC AND MANUAL FIRE-EXTINGUISHING SYSTEMS AND PARTS THEREOF, BOTH PORTABLE AND STATIONARY. Class 23.

256,922. NATIONAL. Registered May 28, 1929. The Buckeye Incubator Company, doing business as The National Brooder Company. Renewed May 28, 1949, to The Buckeye Incubator Company, Springfield, Ohio, a corporation of Delaware. BROODERS FOR CHICKS. Class 50.

256,989. LETTER "E" SUPERIMPOSED ON REPRESENTATION OF ANCHOR CAPPED BY CROWN DESIGN. Registered May 28, 1929. Eskilstuna Jernmanufaktur Aktiebolag, Eskilstuna, Sweden, a corporation of Sweden. Renewed May 28, 1949. SKATES. Class 22.

257,002. "BRABANTIA" AND LABEL DESIGN. Registered May 28, 1929. Naamloose Vennootschap Lederfabriek "Oisterwijk". Renewed May 28, 1949, to Koninklijke Leder Fabriek "Oisterwijk" N. V., Oisterwijk, Netherlands, a Netherlands limited liability company. LEATHER. Class 1.

257,028. METAMINOL. Registered May 28, 1929. H. K. Mulford Company. Renewed May 28, 1949, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. COLD AND GRIPPE MEDICINE. Class 6.

257,197. FEL-SO. Registered June 4, 1929. United States Feldspar Corporation, Cranberry Creek, N. Y. Renewed June 4, 1949, to Fels & Company, Philadelphia, Pa., a corporation of Pennsylvania. SCOURING AND CLEANSING POWDER. Class 4.

257,265. LUXALAK. Registered June 4, 1929. Baker Paint & Varnish Co., Jersey City, N. J., a corporation of New Jersey. Renewed June 4, 1949. DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES. Class 16.

257,280. LACQRTONE. Registered June 4, 1929. Western Lithograph Company, Los Angeles, Calif., a corporation of California. Renewed June 4, 1949. DECALCOMANIA TRANSFERS AND SLIP-OFFS, ADVERTISING DISPLAY CARDS, AND STREET-CAR CARDS. Class 38.

257,457. "S" AND DESIGN. Registered June 11, 1929. The Edwin H. Fitler Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 11, 1949. ROPE, HIDE ROPE, HAY ROPE, SPUN YARN, LATH YARN, RING YARN, AND FODDER YARN. Class 7.

257,469. PETALEEN. Registered June 11, 1929. Forstmann & Huffmann Company. Renewed June 11, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

257,506. "LE CORDON BLEU" AND DESIGN LINED FOR BLUE. Registered June 11, 1929. The Therese Lauder Corporation, Norwalk, Conn. Renewed June 11, 1949, to Thérèse Lauder, Dania, Fla. FRUIT CAKES, POUNDCAKES, PLUM PUDDINGS, MINCE PIES, FRUIT PRESERVES, AND CHOCOLATES. Class 46.

257,522. DUXBAK. Registered June 11, 1929. Chas. A. Schieren Company, New York, N. Y., a corporation of New York. Renewed June 11, 1949. LEATHER BELTS. Class 35.

257,664. "OLD COLONY" AND REPRESENTATION OF A FISH SUPERIMPOSED ON MAP OF NEWFOUNDLAND. Registered June 18, 1929. Harvey & Company Limited, St. Johns, Newfoundland, a limited liability company organized under the laws of Newfoundland. Renewed June 18, 1949. FRESH, FROZEN, AND SMOKED FILLET OF COD; ICED AND FROZEN SALMON, FROZEN SMELTS; FROZEN AND SMOKED HERRING PACKED IN BOXES, ETC. Class 46.

257,981. GLOSBRITE. Registered June 25, 1929. The Patterson-Sargent Company, Cleveland, Ohio, a corporation of Ohio. Renewed June 25, 1949. READY MIXED PAINT, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. Class 16.

258,024. AZOMIS. Registered June 25, 1929. Sharp & Dohme, Baltimore, Md. Renewed June 25, 1949, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. ANTISEPTIC EMOLLIENT FOR THE SKIN. Class 6.

258,045. LETTER "C" ENCLOSED BY CIRCULAR OUTLINE. Registered June 25, 1929. Firth-Sterling Steel Company. Renewed June 25, 1949, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa., a corporation of Pennsylvania. STEEL PRODUCTS—NAMELY, STEEL BARS OF DIFFERENT SHAPES AND OF VARIOUS SIZES, ETC. Class 14.

258,137. GRACIA. Registered June 25, 1929. Forstmann & Huffmann Company. Renewed June 25, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

259,082. "BORDEN'S" ETC. AND DESIGN WITH HORIZONTAL LINES INDICATING BLUE COLOR. Registered July 23, 1929. The Borden Company, Jersey City, N. J., and New York, N. Y. Renewed July 23, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. PREPARATIONS OF MILK—TO WIT, MALTED MILK, ETC. Class 46.

259,374. "BALSAMO S. ANTONIO" AND BACKGROUND DESIGN. Registered July 30, 1929. Rudolph Smania, Springfield, Mass. Renewed July 30, 1949. OINTMENT AND COUNTERIRRITANT FOR THE TREATMENT OF CONGESTION, SORENESS, INFLAMMATION, AND COLDS. Class 6.

260,119. TELEWELDER. Registered Aug. 20, 1929. Welding Service, Inc., San Francisco, Calif. Renewed Aug. 20, 1949, to Teleweld, Inc., Chicago, Ill., a corporation of Idaho. PORTABLE ELECTRICAL WELDING OUTFITS. Class 21.

260,159. "ROCKWEAVE" ETC., WITH REPRESENTATION OF ROCK BOUND COAST IN THE FOREGROUND HAVING WAVES DASHING AGAINST IT, AND BORDER DESIGN. Registered Aug. 20, 1929. Rockweave Mills, Division Callaway Mills. Renewed Aug. 20, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. WOVEN TWINES WHICH MAY BE MADE OF ANY DESIRED MATERIAL. Class 7.

260,621. GLENNA. Registered Aug. 27, 1929. Forstmann & Huffmann Company. Renewed Aug. 27, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

260,623. DENNA. Registered Aug. 27, 1929. Forstmann & Huffmann Company. Renewed Aug. 27, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

260,718. "ROCKWEAVE" ETC. WITH REPRESENTATION OF ROCK BOUND COAST IN THE FOREGROUND HAVING WAVES DASHING AGAINST IT, AND BORDER DESIGN. THE LINING ON THE DRAWING INDICATES BLUE COLOR. Registered Aug. 27, 1929. Rockweave Mills, Division Callaway Mills. Renewed Aug. 27, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. WOVEN FABRIC LAUNDRY NETS, WHICH MAY BE MADE OF AND DESIRED MATERIALS. Class 2.

261,088. ATLAS. Registered Sept. 3, 1929. Atlas Supply Company, New York, N. Y. Renewed Sept. 3, 1949, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. RUBBER TIRES AND TUBES. Class 35.

261,233. DAINTY DOT. Registered Sept. 10, 1929. Levin Brothers. Renewed Sept. 10, 1949, to Dainty Dot Hosiery, Boston, Mass., a firm. LADIES' KNITTED HOSIERY AND UNDERWEAR. Class 39.

261,342. "WYANDOT" AND REPRESENTATION OF INDIAN WARRIOR. Registered Sept. 17, 1929. The J. B. Ford Company. Renewed Sept. 17, 1949, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. CLEANING, CLEANSING, AND DETERGENT MATERIALS COMPRISING DRY SOLUBLE ALKALI POWDERS, COMBINATIONS, AND MIXTURES THEREOF FOR CLEANING, ETC. Class 4.

261,343. "WYANDOT" ETC. Registered Sept. 17, 1929. The J. B. Ford Company. Renewed Sept. 17, 1949, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. CLEANING, CLEANSING, AND DETERGENT MATERIALS COMPRISING DRY SOLUBLE ALKALI POWDERS, COMBINATIONS, AND MIXTURES THEREOF FOR CLEANING, ETC. Class 4.

261,348. THE MOBILE PRESS. Registered Sept. 17, 1929. The Mobile Press Publishing Company. Renewed Sept. 17, 1949, to The Mobile Press Register, Inc., Mobile, Ala., a corporation of Alabama. DAILY NEWSPAPER. Class 38.

261,467. ATLAS FARMEX. Registered Sept. 17, 1929. Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Renewed Sept. 17, 1949. POWDER AND DYNAMITE. Class 9.

261,556. AFI-TOX. Registered Sept. 17, 1929. The Toledo Rex Spray Company. Renewed Sept. 17, 1949, to Rex Research Corporation, Toledo, Ohio, a corporation of Delaware. INSECTICIDE. Class 6.

261,814. LACQRTONE. Registered Sept. 24, 1929. Western Lithograph Company, Los Angeles, Calif., a corporation of California. Renewed Sept. 24, 1949. METAL SIGNS. Class 50.

262,238. PARAGON. Registered Oct. 1, 1929. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Oct. 1, 1949. CANDIED CITRON AND CANDIED LEMON AND ORANGE PEEL. Class 46.

262,431. BREAD AND BUTTER. Registered Oct. 8, 1929. Fanning Bread and Butter Pickle Company, Inc. Renewed Oct. 8, 1949, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. PICKLES. Class 46.

262,467. "ROCKWEAVE" ETC. WITH REPRESENTATION OF ROCK BOUND COAST IN THE FOREGROUND HAVING WAVES DASHING AGAINST IT, AND BORDER DESIGN. Registered Oct. 15, 1929. Rockweave Mills, Division Callaway Mills. Renewed Oct. 15, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. WOVEN FABRICS—NAMELY, TABLE FELT AND DOUBLE-FACED FELT, ALL OF WHICH MAY BE MADE OF TEXTILE MATERIALS—NAMELY, COTTON, LINEN, SILK, ETC. Class 42.

262,554. SILVER SUDS. Registered Oct. 15, 1929. Silver Suds Manufacturing Company. Renewed Oct. 15, 1949, to Silver Suds Company, Philadelphia, Pa., a corporation of Pennsylvania. CLEANING AND POLISHING MATERIAL FOR METAL, GLASSWARE, DISHES, PAINTED SURFACES, TILING, AND PORCELAIN. Class 4.

262,621. BESTEX. Registered Oct. 22, 1929. The Con-Ferro Paint and Varnish Co., St. Louis, Mo. Renewed Oct. 22, 1949, to Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware. PAINT ENAMEL, FLOOR ENAMEL, READY-MIXED HOUSE PAINT, ETC. Class 16.

262,822. DRY-AL. Registered Oct. 22, 1929. Howard Hamilton Baker. Renewed Oct. 22, 1949, to United Hamilton Products, Inc., Buffalo, N. Y., a corporation of New York. CHEMICAL DEHYDRATING PREPARATIONS. Class 6.

262,931. "HIGHLAND" AND DRAWING. Registered Oct. 29, 1929. The Highland Shoe Co., Inc., Akron, Pa., a corporation of Pennsylvania. Renewed Oct. 29, 1949. BOOTS AND SHOES, MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS OF THOSE MATERIALS. Class 39.

262,966. "PENTA-PEDIC" ENCLOSED BY A PENTAGONAL OUTLINE. Registered Oct. 29, 1929. J. Edwards & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 29, 1949. INFANTS', CHILDREN'S, GROWING GIRLS', WOMEN'S, MISSES', MEN'S, AND BOYS' SHOES OF LEATHER, RUBBER, OR FABRIC CONSTRUCTION. Class 39.

263,123. "ROCKWEAVE" ETC. WITH REPRESENTATION OF ROCK BOUND COAST IN THE FOREGROUND HAVING WAVES DASHING AGAINST IT, AND BORDER DESIGN. Registered Oct. 29, 1929. Rockweave Mills, Division Callaway Mills. Renewed Oct. 29, 1949, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia. WOVEN FABRICS—NAMELY, DINING-ROOM AND BED-ROOM LINEN, COMPRISING TABLE TOPS, ETC. Class 42.

263,267. "RED STREAK". Registered Nov. 5, 1929. Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts. Renewed Nov. 5, 1949. SAWS. Class 23.

263,302. "K.D.S. KREST" ETC. AND DESIGN. Registered Nov. 5, 1929. Kresge Department Store Corporation. Renewed Nov. 5, 1949, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. POWDERED ALUM, SODIUM BICARBONATE, POWDERED BORAX, POWDERED BORIC ACID, WHOLE FLAXSEED, AND GROUND FLAXSEED. Class 6.

263,392. RAYBROOKE. Registered Nov. 5, 1929. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 5, 1949. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS AND BOYS' BLOUSES. Class 39.

263,399. CLIX. Registered Nov. 5, 1929. The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Renewed Nov. 5, 1949. LARD. Class 46.

263,423. SONBROOKE. Registered Nov. 5, 1929. Kresge Department Store Corporation. Renewed Nov. 5, 1949, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. BOYS' AND YOUTHS' WEARING APPAREL—NAMELY, SUITS, OVERCOATS, RAINCOATS, DRESS, NEGLIGEE, AND WORK SHIRTS, ETC. Class 39.

263,472. MOTUL. Registered Nov. 5, 1929. Swan-Finch Oil Corporation, New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. LUBRICATING GREASES. Class 15.

263,481. ELECTROCHEF. Registered Nov. 5, 1929. Noble & Harris, Detroit, Mich., assignor to the Edison Illuminating Company. Renewed Nov. 5, 1949, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania. ELECTRIC STOVES AND ELECTRIC RANGES. Class 21.

263,690. "BLACK BEAR" AND REPRESENTATION OF BEAR. Registered Nov. 12, 1929. The Black Manufacturing Co., Seattle, Wash., a corporation of Washington. Renewed Nov. 12, 1949. OVERALLS, JUMPERS, PLAY SUITS, COMBINATION SUITS AND PANTS, ETC. Class 39.

263,758. DUKE. Registered Nov. 12, 1929. The Manhattan Shirt Company, New York, N. Y., a corporation of New York. Renewed Nov. 12, 1949. NEGLIGEE AND SPORT SHIRTS. Class 39.

263,830. REPRESENTATION OF GOAT. Registered Nov. 12, 1929. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Nov. 12, 1949, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.

263,834. LAUNTEX. Registered Nov. 12, 1929. The Cowles Detergent Company. Renewed Nov. 12, 1949, to Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. SOLUBLE CHEMICAL COMPOUNDS FOR USE AS DETERGENTS WITH AND WITHOUT THE ADDITION OF SOAP. Class 4.

263,843. TILEX. Registered Nov. 12, 1929. U. S. Sanitary Specialties Corporation, Chicago, Ill., a corporation of Illinois. Renewed Nov. 12, 1949. CLEANING COMPOUND ESPECIALLY ADAPTED FOR GENERAL HOUSEHOLD AND OFFICE USE. Class 4.

263,860. PEET'S. Registered Nov. 12, 1929. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Nov. 12, 1949, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.

243,918. ESCO-SAVON. Registered Nov. 12, 1929. Mitchell Wing Company, Boston, Mass., assignor to Peach Soap Company. Renewed Nov. 12, 1949, to Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. MIXTURE OF SOAP WITH OTHER DETERGENT MATERIALS. Class 4.

263,962. REPRESENTATION OF SAW BLADE WITH ONE END LINED FOR RED COLOR. Registered Nov. 12, 1929. Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts. Renewed Nov. 12, 1949. SAWS. Class 23.

264,012. VICTOR RENEE. Registered Nov. 12, 1929. Adolph Goldmark & Sons, Corp., New York, N. Y., a corporation of New York. Renewed Nov. 12, 1949. CANNED SARDINES. Class 46.

264,034. PAL. Registered Nov. 19, 1929. The Kendall Company, Boston, Mass., and Chicago, Ill. Renewed Nov. 19, 1949, to The Kendall Company, Boston, Mass., a corporation of Massachusetts. ATHLETIC SUPPORTER. Class 44.

264,096. AEROZONE. Registered Nov. 19, 1929. U. S. Sanitary Specialties Corporation, Chicago, Ill., a corporation of Illinois. Renewed Nov. 19, 1949. DISINFECTANT, DEODORANT, AND INSECTICIDE. Class 6.

264,103. EAGLE CREST. Registered Nov. 19, 1929. Fassett & Company, Tacoma, Wash., a corporation of Washington. Renewed Nov. 19, 1949. CANNED FRUITS, CANNED BERRIES, AND CANNED VEGETABLES. Class 46.

264,236. NATIONAL. Registered Nov. 19, 1929. The National Cash Register Company, Dayton, Ohio, a corporation of Maryland. Renewed Nov. 19, 1949. ACCOUNTING MACHINES, ADDING TYPEWRITERS, CALCULATING AND COMPUTING MACHINES, ETC. Class 26.

264,237. THE NATIONAL CASH REGISTER COMPANY. Registered Nov. 19, 1929. The National Cash Register Company, Dayton, Ohio, a corporation of Maryland. Renewed Nov. 19, 1949. ACCOUNTING MACHINES, ADDING TYPEWRITERS, CALCULATING AND COMPUTING MACHINES, ETC. Class 26.

264,243. PEP. Registered Nov. 19, 1929. The Kendall Company, Boston, Mass., and Chicago, Ill. Renewed Nov. 19, 1949, to The Kendall Company, Boston, Mass., a corporation of Massachusetts. ATHLETIC SUPPORTER. Class 44.

264,244. O-P-C. Registered Nov. 19, 1929. The Kendall Company, Boston, Mass., and Chicago, Ill. Renewed Nov. 19, 1949, to The Kendall Company, Boston, Mass., a corporation of Massachusetts. SUSPENSORY. Class 44.

264,245. AUTO. Registered Nov. 19, 1929. The Kendall Company, Boston, Mass., and Chicago, Ill. Renewed Nov. 19, 1949, to The Kendall Company, Boston, Mass., a corporation of Massachusetts. SUSPENSORY. Class 44.

264,470. WIPEMDRI. Registered Nov. 26, 1929. U. S. Sanitary Specialties Corporation, Chicago, Ill., a corporation of Illinois. Renewed Nov. 26, 1949. PAPER TOWELS. Class 37.

TRADE-MARK REGISTRATIONS CANCELED

296,745. TELE-PICTURES. Registered Nov. 1, 1932. National Broadcasting Company, Inc., New York, N. Y. MOTION PICTURE FILM AND ESPECIALLY FILM FOR USE IN TELEVISION PROGRAMS. Class 26. Canceled July 14, 1949.

296,746. TELE-PICTURES. Registered Nov. 1, 1932. National Broadcasting Company, Inc., New York, N. Y. MOTION PICTURE FILM, AND ESPECIALLY FILM FOR USE IN TELEVISION PROGRAMS. Class 26. Canceled July 14, 1949.

320,911. ST. MARYS AND DESIGN. Registered Jan. 15, 1935. Max Fertig Sons, Inc., New York, N. Y. COTTON SHEETS AND PILLOW CASES. Class 42. Canceled July 8, 1949.

326,936. VOX ORGANO. Registered Aug. 13, 1935. Musical Research Products, Inc., Philadelphia, Pa., and Wilmington, Del. ORGANS, BOTH REED AND PIPE, ETC. Class 36. Canceled July 29, 1949.

353,342. MILNUT. Registered Jan. 4, 1938. Carolene Products Company, Litchfield, Ill. COMPOUND OF NUT OILS AND EVAPORATED SKIMMED MILK AS A FOOD PRODUCT. Class 46. Canceled July 22, 1949.

371,155. WONDER COMICS. Registered Sept. 19, 1939. Victor S. Fox, New York, N. Y. PERIODICAL PUBLICATION. Class 38. Canceled July 26, 1949.

377,222. BROWN BOMBER. Registered Apr. 23, 1940. Wells-Lamont-Smith Corporation, Chicago, Ill. WORK GLOVES OF COMBINED LEATHER AND FABRIC. Class 39. Canceled July 15, 1949.

379,587. BIG 10 AND DESIGN. Registered July 16, 1940. Mello Ice Cream Co., Inc., Cleveland, Ohio. ICE CREAM (IN BULK AND IN BRICKS). Class 46. Canceled Aug. 3, 1949.

388,443. DIXIE COOLER. Registered June 24, 1941. The Hudor Co., Buffalo, N. Y. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, ETC. Class 45. Canceled July 15, 1949.

389,608. MILNOT. Registered Aug. 12, 1941. Carolene Products Company, Litchfield, Ill. COMBINATION OF EVAPORATED SKIMMED MILK AND VEGETABLE OIL FOR USE IN COOKING AND BAKING. Class 46. Canceled July 22, 1949.

435,092. GAMMER. Registered Dec. 9, 1947. William Cooper & Nephews, Incorporated, Chicago, Ill. STOCK DIP. Class 6. Canceled July 26, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

39,227. STORK. Registered Nov. 11, 1902. Arthur L. Sweetser, Boston, Mass. ANTISEPTIC WATERPROOF SHEETINGS, DIAPERS AND WATERPROOF UNDERGARMENTS. Classes 39 and 50. Corrected as follows: In the renewal certificate, line 2, "Maine" should be *Massachusetts*.

219,420. "KB" AND DESIGN. Registered Oct. 19, 1926. Kurtz Bros., Clearfield, Pa. TABLETS, PRACTICE PAPER, BLANK LABELS, ETC. Class 37. Corrected as follows: In the statement, line 11, "blank labels" should be *blanks, labels*.

250,950. STYLECRAFT SHOE MAKERS. Registered Dec. 18, 1928. Emerson Shoe Manufacturing Company, Rockland, Mass. SHOES OF LEATHER ETC. Class 39. Amended as follows: In the statement, lines 13 and 14, 'words "Shoe Makers" except in combination with "Stylecraft" as shown in the drawing' is deleted and word *Shoe* is substituted in lieu thereof; and the drawing is amended to appear as follows:

STYLE-CRAFT
SHOE

330,120. OPPORTUNITY. Registered Nov. 19, 1935. Opportunity Publishing Co., Chicago, Ill. PUBLICATION ISSUED PERIODICALLY. Class 38. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Co." should be *Company*.

349,565. AIRONETTE. Registered Aug. 31, 1937. Dutchess Underwear Co., New York, N. Y. WOMEN'S AND MISSES' CHEMISES, NEGLIGEES, ETC. Class 39. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Co." should be *Corporation*; and in the certificate, line 4; and in the statement, lines 2 and 3; "States of New York and Delaware" should be *State of Delaware*.

507,670. MEM. Registered Mar. 15, 1949. Mem Company, New York, N. Y. SOAPS. Class 4. Corrected as follows:



509,044. TOWN AND COUNTRY. Registered Apr. 26, 1949. Lactona Incorporated, St. Paul, Minn. HAIR BRUSHES. Class 29. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "Delaware" should be *Minnesota*.

509,301. CORY. Registered May 3, 1949. Cory Corporation, Chicago, Ill. ELECTRIC STOVES. Class 21. Corrected as follows: In the certificate, line 3; and in the statement, line 2, "Illinois" should be *Delaware*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

68,150. "LEA & PERRINS" AND DESIGN. Registered Mar. 10, 1908. Lea & Perrins. SAUCE. Class 46. New certificate under section 7(c) issued Sept. 6, 1949, to Lea & Perrins, Inc., New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 137,586. Registered Nov. 30, 1920. DUNCAN, HOOD & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

DUNGAN, HOOD

FOR LEATHER, AND PARTICULARLY KID LEATHER.
Claims use since Jan. 1, 1890.

Reg. No. 315,301. Registered July 24, 1934. WHITTAKER MICRONIZING CORPORATION, New York, N. Y., assignor to International Pulverising Corp. Republished by The Micronizer Company, Moorestown, N. J., a corporation of Delaware.

MICRONIZED

FOR TALC.
Claims use since Feb. 26, 1934.

Reg. No. 323,734. Registered Apr. 30, 1935. INTERNATIONAL PULVERISING CORPORATION, Camden, N. J. Republished by The Micronizer Company, Moorestown, N. J. a corporation of Delaware.

MICRONIZED

FOR PULVERIZED CARBONS, PARTICULARLY GRAPHITE AND OTHER NON-METALLIC ELEMENTS.
Claims use since Nov. 7, 1934.

Reg. No. 369,442. Registered July 25, 1939. INTERNATIONAL PULVERISING COMPANY, Moorestown, N. J. Republished by The Micronizer Company, Moorestown, N. J. a corporation of Delaware.

MICRONIZED

FOR PULVERIZED CLAYS.
Claims use since Dec. 23, 1938.

Reg. No. 441,059. Registered Oct. 19, 1948. ROSEN COAL COMPANY, Marvel, Ala., a corporation of Alabama. Republished by registrant, present address Birmingham, Ala.

MARVEL COAL

The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since 1909.

Reg. No. 442,447. Registered Apr. 12, 1949. VALITE CORPORATION, New Orleans and Lockport, La., a corporation of Louisiana. Republished by registrant.

Valite

FOR UNCURED AND UNMOLDED THERMOSETTING AND THERMOPLASTIC MOLDING COMPOUNDS, WITH ORGANIC AND INORGANIC FILLERS, AND FOR SYNTHETIC THERMOPLASTIC AND THERMOSETTING RESINS, IN SOLID FORM, POWDERED FORM, OR IN SOLUTION IN ALCOHOL OR OTHER RESIN SOLVENTS, EXCEPTING RESINS DERIVED BY THE POLYMERIZATION AND/OR COPOLYMERIZATION OF VINYL CHLORIDE AND/OR VINYL ACETATE AND DERIVATIVES OF SAID RESINS AND/OR ANY COMBINATION THEREOF, FOR USE WITH FILLERS AS MOLDING COMPOUNDS FOR COMPRESSION OR INJECTION MOLDING, AS IMPREGNATING VARNISHES FOR THE PRODUCTION OF LAMINATED ARTICLES FROM PAPER, CLOTH, GLASS AND OTHER FABRICS, AS INGREDIENTS IN PHONOGRAPH RECORD MOLDING COMPOSITIONS AND IN OTHER MANUFACTURED ARTICLES, AND FOR VARIOUS OTHER USES IN THE INDUSTRIAL ARTS.
Claims use since Apr. 18, 1942.

CLASS 2

RECEPTACLES

Reg. No. 341,044. Registered Dec. 1, 1936. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR SHIPPING BOXES, SHIPPING CARTONS, SHIPPING CONTAINERS, AND TRAVEL LIBRARY CONTAINERS.
Claims use since 1910.

Reg. No. 414,705. Registered June 26, 1945. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CORO-TEENS

FOR NECKLACES, BRACELETS (NOT INCLUDING WATCHES), EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since January 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 341,530. Registered Dec. 8, 1936. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR PORTFOLIOS, POCKETBOOKS, AND CARD CASES.
Claims use since 1922.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 404,200. Registered Nov. 9, 1943. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

WETORDRY

FOR COATED ABRASIVES.
Claims use since July 6, 1921.

Reg. No. 420,013. Registered Mar. 19, 1946. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

HONITE

FOR ABRASIVE IN PARTICULATE OR PIECE FORM.
Claims use since at least July 1944.

Reg. No. 422,766. Registered Aug. 13, 1946. THE CROWN CHEMICAL COMPANY, Cleveland, Ohio. Republished by Theodore R. Gangur, doing business as The Crown Chemical Company, Cleveland, Ohio.



FOR ALL PURPOSE-CLEANER FOR CLEANING FLOORS, WALLS, WOODWORK, CARPETS, RUGS, UPHOLSTERY, FURNITURE, PORCELAIN, ETC.
Claims use since July 7, 1945.

Reg. No. 442,021. Registered Feb. 8, 1949. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

"DUNK"

FOR WOOL DETERGENT.
Claims use since Sept. 9, 1946.

CLASS 5

ADHESIVES

Reg. No. 405,413. Registered Feb. 1, 1944. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

3-M

FOR ADHESIVE CEMENTS.
Claims use since Oct. 12, 1931.

Reg. No. 442,489. Registered Apr. 19, 1949. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR PRESSURE-SENSITIVE ADHESIVE TAPES MADE PRINCIPALLY OF CELLULOSE AND PAPER BACKINGS.
Claims use since Mar. 3, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 73,058. Registered Mar. 18, 1909. ANILINE COLOR AND EXTRACT WORKS, Basel, Switzerland, formerly John R. Geigy. Republished by Geigy Company, Inc., New York, N. Y., a corporation of New York.

ERIOCHROM

FOR DYE STUFFS DERIVED FROM COAL TAR.
Claims use since about Oct. 7, 1905.

Reg. No. 74,570. Registered July 20, 1909. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SWANSDOWN



FOR GLOSS LUMP STARCH.
Claims use since Mar. 28, 1905.

Reg. No. 117,374. Registered July 3, 1917. S. O. S. MANUFACTURING COMPANY, INC., Lake Charles, La. Republished by Myrtle Evans Wiggins, doing business as The Lifola Company, Tulsa, Okla.

S.O.S.

FOR DANDRUFF REMOVER AND HAIR DRESSER.
Claims use since August 1916.

Reg. No. 140,145. Registered Mar. 8, 1921. JOHN J. HUDSON, Baltimore, Md. Republished by The Sal-Fate Co., Inc., Baltimore, Md., a corporation of Maryland.

SAL-FATE

FOR MEDICINAL PREPARATION FOR USE IN CASES OF NEURITIS.
Claims use since Feb. 24, 1920.

Reg. No. 142,900. Registered May 24, 1921. RICHARD G. DUNWODY, Atlanta, Ga. Republished by R. G. Dunwody & Sons, Inc., Atlanta, Ga., a corporation of Georgia.

TURPEDINE

FOR COMPOUND FOR USE IN TREATING COUGHS, COLDS, BRONCHITIS, TONSILLITIS, AND ULCERATIONS.
Claims use since 1898.

Reg. No. 146,072. Registered Aug. 30, 1921. THE CLEVELAND FLUX COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FAMOUS CORNELL FLUXES

The words "Famous" and "Fluxes" are disclaimed apart from the mark as shown.

FOR MINERAL FLUXES.

Claims use since Oct. 13, 1920.

Reg. No. 164,523. Registered Feb. 20, 1923. LLOYD MANUFACTURING CO., Anderson, Ind. Republished by D. & J. Rosenbaum, Inc., Anderson, Ind., a firm.



FOR ANTITARNISH BALLS, COMPOSED OF CHEMICALS WHICH ABSORB MOISTURE, COUNTERACT THE GASES IN THE ATMOSPHERE, AND PURIFY THE AIR.

Claims use since May 1911.

Reg. No. 221,390. Registered Nov. 30, 1926. THE R. M. HOLLINGSHEAD CO., Camden, N. J. Republished by R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey.



The drawing is lined for blue, red, and yellow.

FOR PREPARATIONS FOR CLEANING RADIATORS AND MOTOR COOLING SYSTEMS AND DRAIN PIPES, PREPARATIONS FOR FIRE EXTINGUISHERS, INSECTICIDES AND DISINFECTANTS, CHEMICAL PREPARATIONS FOR DRESSING FABRICS, LEATHER AND IMITATION LEATHER AND FOR WATERPROOFING PURPOSES, CHEMICAL PREPARATIONS TO PREVENT FREEZING, CHEMICAL PREPARATIONS TO PREVENT LEAKING, CHEMICAL PREPARATIONS FOR SOLDERING, CHEMICAL PREPARATIONS FOR TIGHTENING SPOKES ON WHEELS.

Claims use since about Apr. 1, 1920.

Reg. No. 252,730. Registered Feb. 12, 1929. HARRY FLAMHAFT, doing business as Roubeches Import Co., New York, N. Y. Republished by Arnold F. Anderson, New York, N. Y.

ROUBECHEZ

FOR NATURAL AND SYNTHETIC OILS SUITABLE FOR PERFUMERY PURPOSES.

Claims use since Aug. 16, 1928.

Reg. No. 261,768. Registered Sept. 24, 1929. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

SULFORON

FOR INSECTICIDES AND FUNGICIDES CONSISTING WHOLLY OR IN PART OF FINELY-DIVIDED SULPHUR—NAMELY, WETTABLE SULPHUR.

Claims use since about May 1, 1928.

Reg. No. 262,781. Registered Oct. 22, 1929. ALGIN PRODUCTS CORPORATION, New York, N. Y. Republished by Feedwaters, Inc., New York, N. Y., a corporation of New York.

WATERITE

FOR CHEMICALS USED FOR TREATING WATER IN HOUSE AND INDUSTRIAL HEATING SYSTEMS FOR THE PREVENTION OF SCALE, RUST AND CORROSION AND TO CAUSE THE ABSORPTION OF OIL.

Claims use since Apr. 22, 1929.

Reg. No. 269,953. Registered Apr. 22, 1930. THE M. STEIN COSMETIC CO., New York, N. Y., a corporation of New York. Republished by registrant.

stein's
DRAWNKLS
"Not a Wrinkle"

FOR COSMETICS—NAMELY, COLD CREAM, TISSUE CREAM, FOUNDATION CREAM, CLEANSING CREAM, PORE CREAM, SKIN LOTIONS, ASTRINGENT BALM, FACE POWDER, DUSTING POWDER, TALCUM POWDER.

Claims use since Oct. 1, 1929.

Reg. No. 302,899. Registered May 2, 1933. PARIS LABORATORIES, INC., New York, N. Y. Republished by Countess Maritza Cosmetic Co., Inc., New York, N. Y., a corporation of New York.

Countess Maritza

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, FACE PACKS, SKIN WHITENER IN LIQUID, CREAM, AND SOLID FORM, EYEBROW AND EYELASH GROWER, EYE DROPS, HAND LOTIONS, EYEBROW PENCILS, CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYEBROWS AND EYELASHES, SKIN LOTIONS, AFTER SHAVING LOTIONS, POMADES, FACE POWDERS, TALCUM POWDERS, BODY POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, DEPILATORIES, NAIL CREAMS, NAIL BLEACHES, NAIL POWDERS, NAIL POLISHES, WITCH HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, CORN SALVES, DEODORANTS, DISINFECTANTS, BAY RUM, PERFUMES, AND TOILET WATERS.

Claims use since August 1931.

Reg. No. 320,316. Registered Dec. 25, 1934. INTERNATIONAL PULVERIZING CORPORATION, Camden, N. J. Republished by The Microniser Company, Moorestown, N. J., a corporation of Delaware.

MICRONIZED

FOR PULVERIZED OXYGEN SALTS.

Claims use since July 2, 1934.

Reg. No. 330,830. Registered Dec. 17, 1935. GEORGE LINTON WIGGINS, doing business as The Lifola Company, Tulsa, Okla. Republished by Myrtle Evans Wiggins, doing business as The Lifola Company, Tulsa, Okla.

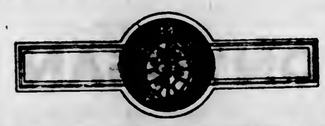


The words "Safe on Scalps" and the letters "afe," "n," and "Scalps" are also disclaimed apart from the mark as shown.

FOR PREPARATION FOR THE TREATMENT OF DANDRUFF.

Claims use since February 1931.

Reg. No. 345,681. Registered May 4, 1937. HUNTER ANDERSON, doing business as Tortuga Products Company, Phoenix, Ariz. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.



FOR COSMETICS—NAMELY, FACE CREAMS, LOTIONS, MUSCLE OILS, FACE SOFTENER, FACE POWDER, LIPSTICK, AND ROUGE.

Claims use since Nov. 1, 1936.

Reg. No. 346,586. Registered June 1, 1937. GEORGE B. TERRELL, doing business as T and T Tooth Powder Company, Flushing, N. Y. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

T AND T
Tooth Powder

The words "Tooth Powder" are disclaimed apart from the mark as shown.

FOR TOOTH POWDER.

Claims use since Mar. 16, 1935.

Reg. No. 351,596. Registered Nov. 2, 1937. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

E-Z-EX

FOR WORM EXPELLERS FOR ANIMALS.

Claims use since Apr. 3, 1937.

Reg. No. 353,801. Registered Jan. 11, 1938. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

WormSweep

The word "Worm" is disclaimed apart from the mark as shown.

FOR WORM EXPELLERS FOR ANIMALS AND FOWL.

Claims use since Apr. 24, 1937.

Reg. No. 354,501. Registered Feb. 15, 1938. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

MOORMACIDE

FOR MANGE TREATMENT PREPARATION AND STERILIZING OIL FOR ANIMALS AND FOWL.

Claims use since July 1932.

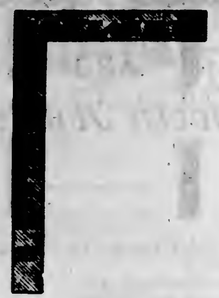
Reg. No. 376,000. Registered Mar. 12, 1940. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

MoorMans

FOR STOCK DIPS.

Claims use since May 1894.

Reg. No. 382,022. Registered Oct. 15, 1940. GEORGE LINTON WIGGINS, doing business as The Lifola Company, Tulsa, Okla. Republished by Myrtle Evans Wiggins, doing business as The Lifola Company, Tulsa, Okla.



FOR PERMANENT WAVE SOLUTION.
Claims use since September 1938.

Reg. No. 393,934. Registered Mar. 10, 1942. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

MoorMan's

FOR WORM EXPELLERS FOR FARM ANIMALS AND POULTRY, FLY SPRAY, AND DISINFECTANT POWDER.
Claims use since June 1922.

Reg. No. 403,028. Registered Aug. 31, 1943. MYRTLE EVANS WIGGINS, doing business as The Lifola Company, Tulsa, Okla. Republished by registrant.

Life Oyl



The word "Oyl" is disclaimed apart from the mark as shown.
FOR PERMANENT HAIR WAVING SOLUTION.
Claims use since June 1930.

Reg. No. 406,589. Registered Apr. 11, 1944. ASSOCIATED DISTRIBUTORS, Chicago, Ill. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

Sweet Escape

The word "Sweet" is disclaimed apart from the mark as shown.
FOR DEODORIZING PERFUME.
Claims use since June 13, 1934.

Reg. No. 415,241. Registered Aug. 7, 1945. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

CoxiCurb

FOR PREPARATION FOR USE IN THE PREVENTION AND CONTROL OF COCCIDIOSIS IN POULTRY.
Claims use since on or about Oct. 15, 1944.

Reg. No. 417,109. Registered Oct. 16, 1945. INTERNATIONAL PULVERISING CORPORATION, Moorestown, N. J. Republished by The Microniser Company, Moorestown, N. J., a corporation of Delaware.

MICRONIZED

FOR CALOMEL AND SULFATHIAZOLE, MEDICAMENTS USED AS LOCAL ANESTHETICS, SPERMATICIDES, PARASITICIDES, CENTRAL NERVOUS SYSTEM STIMULANTS, DRUGS, DIURETICS, ANTIDIURETICS, DEMULCENTS, EMOLLIENTS, ASTRINGENTS, IRRITANTS, CATHARTICS, DIGESTANTS, EMETICS, AND EXPECTORANTS.
Claims use since July 19, 1944.

Reg. No. 437,514. Registered Mar. 30, 1948. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Republished by Onyx Oil & Chemical Company, Jersey City, N. J., a corporation of Delaware.

ONYXSAN

FOR QUATERNARY AMMONIUM ANTISEPTIC COMPOUND FOR PHARMACEUTICAL ANTISEPTIC PURPOSES.
Claims use since March 1938.

Reg. No. 438,758. Registered May 11, 1948. THE UNITED PIECE DYE WORKS, Lodi, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant.

UNIFAST

FOR CHEMICAL PREPARATION FOR TREATING AND FINISHING FABRICS.
Claims use since Aug. 12, 1946.

Reg. No. 440,831. Registered Sept. 28, 1948. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

MULTI-KAPS

FOR VITAMIN CAPSULES.
Claims use since June 1945.

Reg. No. 442,026. Registered Feb. 8, 1949. THE ARMAND COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

The Lovely for Words

FOR COLOGNE.
Claims use since June 28, 1946.

Reg. No. 442,051. Registered Feb. 8, 1949. NEWELL & ERRECART, Stockton, Calif., a partnership. Republished by registrant.

NOX-TROL

FOR EMOLLIENT FOR USE AS A TEAT CONDITIONER AND AS A SOOTHING AND COOLING DRESSING FOR CHAPPED TEATS, CUTS, AND SKIN ABRASIONS.
Claims use since on or about Jan. 1, 1947.

CLASS 7

CORDAGE

Reg. No. 163,101. Registered Jan. 2, 1923. THE R. A. KELLY CO., Xenia, Ohio, a corporation of Ohio. Republished by registrant.

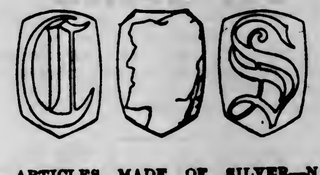


The drawing is lined to represent the colors red, blue, and pink. The words "Xenia, O." are disclaimed apart from the mark as shown.
FOR ROPE AND HARD-FIBER SISAL AND MANILA HEMP CORDAGE.
Claims use since November 1910.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 299,390. Registered Dec. 6, 1932. CONCORD SILVERSMITHS, INC., Concord, N. H. Republished by The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut.



FOR ARTICLES MADE OF SILVER—NAMELY, KNIVES, FORKS, AND SPOONS, NUT AND CANDY DISHES, ASH TRAYS, BASKETS, BEVERAGE MIXERS, CUPS, SAUCERS, BOWLS, TABLE DISHES, PITCHERS, BREAD TRAYS, PLATES, CANDLESTICKS, CENTRE PIECES, TEA AND COFFEE SETS AND WAITERS, COMPOTIERS, GOBLETS, LOVING CUPS, PLATTERS, SALT AND PEPPER SHAKERS, SUGAR BOWLS, AND VASES.
Claims use since on or about Sept. 15, 1931.

Reg. No. 342,479. Registered Jan. 19, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR ASH TRAYS.
Claims use since 1922.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 341,529. Registered Dec. 8, 1936. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR TYPEWRITER RIBBONS AND CARBON PAPER.
Claims use since 1910.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 281,626. Registered Mar. 24, 1931. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla., a business trust of Oklahoma. Republished by registrant.

On-GARD

FOR METAL AND FELT WEATHER STRIPPING, METAL WEATHER STRIPPING, AND FELT WEATHER STRIPPING.
Claims use since August 1930.

Reg. No. 284,457. Registered June 30, 1931. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla., a business trust of Oklahoma. Republished by registrant.

Nu-WAY

FOR METAL AND FELT WEATHER STRIPPING.
Claims use since Jan. 24, 1931.

Reg. No. 331,577. Registered Jan. 14, 1936. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla., a business trust of Oklahoma. Republished by registrant.

SPEED LOAD

FOR CALKING COMPOUND, GLAZING COMPOUND, ROOFING COMPOUND, AND ROOFING CEMENT.
Claims use since Jan. 1, 1935.

Reg. No. 331,578. Registered Jan. 14, 1936. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla., a business trust of Oklahoma. Republished by registrant.

STRIP-LODE

FOR CALKING COMPOUND, GLAZING COMPOUND, ROOFING COMPOUND, AND ROOFING CEMENT.
Claims use since May 28, 1935.

Reg. No. 339,204. Registered Sept. 29, 1936. KLAUER MANUFACTURING COMPANY, Dubuque, Iowa, a corporation of Iowa. Republished by registrant.

DUO-VENT

FOR WINDOW FRAMES.
Claims use since May 15, 1935.

Reg. No. 352,174. Registered Nov. 23, 1937. BENJAMIN FOSTER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

I·B·M·

FOR ASPHALTIC AND BITUMINOUS COMPOUNDS AND REFRACTORY CEMENTS.
Claims use since Mar. 8, 1930.

Reg. No. 352,269. Registered Nov. 23, 1937. BENJAMIN FOSTER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

BLACK CAT

FOR ASPHALTIC AND BITUMINOUS COMPOUNDS, SUCH AS ROOF COATINGS AND CEMENTS.
Claims use since May 11, 1934.

Reg. No. 371,071. Registered Sept. 19, 1939. KEASBEY & MATTISON COMPANY, Ambler, Pa., a corporation of Pennsylvania. Republished by registrant.

"Century"

FOR ASBESTOS-COMPOSITION SHINGLES, SLATES, TILES, SHEETS, SHEATHINGS, SLABS, AND ROOFING MATERIALS.
Claims use since about Mar. 1, 1904.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 155,200. Registered May 23, 1922. ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ATLANTIC.

FOR METAL PRODUCTS CONSISTING OF FUNNELS, STRAINERS, COMMODES, FOOT TUBS, PANS, BASINS, DIPPERS, CUPS, KETTLES, CANNERS, PLATES, COFFEEPOTS, AND PERCOLATORS.
Claims use since about Mar. 1, 1904.

Reg. No. 305,161. Registered Aug. 8, 1933. TAYLOR FORGE & PIPE WORKS, Cicero, Ill., a corporation of Illinois. Republished by registrant.

WELDELL

FOR METAL PIPE AND PIPE FITTINGS.
Claims use since May 22, 1931.

Reg. No. 341,577. Registered Dec. 15, 1936. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR KEY RINGS.
Claims use since 1922.

Reg. No. 383,380. Registered Dec. 8, 1940. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y., a corporation of Maryland. Republished by registrant.

COPPER CLAD 18 01 REVERE WARE STAINLESS STEEL

The words "Cooper Clad," "Stainless Steel," and "Ware" are disclaimed apart from the mark as shown.
FOR COPPER CLAD STAINLESS STEEL SAUCEPANS, DOUBLE BOILERS, KETTLES, SKILLETS, CASSEROLES, SAUCE POTS, FRENCH FRIERS, PERCOLATORS, MIXING BOWLS, DUTCH OVENS, TEA KETTLES, AND DRIP COFFEE MAKERS.
Claims use since July 15, 1940.

Reg. No. 405,689. Registered Feb. 15, 1944. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y., a corporation of Maryland. Republished by registrant.

REVERE

FOR BASE METAL TEA KETTLES, SKILLETS, AND GRIDDLES.
Claims use since July 1, 1934.

Reg. No. 419,297. Registered Feb. 12, 1946. YOUNG RADIATOR COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.

FOR AIR COOLED HEAT EXCHANGER SURGE VALVE.
Claims use since Apr. 2, 1943.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 84,298. Registered Nov. 21, 1911. THE UNITED STEEL COMPANY, Canton, Ohio. Republished by Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.

ENDURO

FOR STEEL BARS, SLABS, AND BILLETS.
Claims use since July 15, 1908.

Reg. No. 266,371. Registered Jan. 14, 1930. REPUBLIC BRASS CORPORATION, New York, N. Y. Republished by Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland.

REVERE

FOR NON-FERROUS METALS AND ALLOYS THEREOF IN THE FORM OF SHEETS, STRIPS, RODS, BARS, ROLLS, WIRE, SHAPES, STAMPINGS AND PRESSINGS PRODUCED BY CASTING, ROLLING, DRAWING, EXTRUDING, FORGING, SWAGING, HEADING, STAMPING, OR ELECTRODEPOSITION.
Claims use since Dec. 10, 1928.

Reg. No. 279,265. Registered Jan. 13, 1931. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y., a corporation of Maryland. Republished by registrant.



The drawing is lined for red and blue color.

FOR NON-FERROUS METALS AND ALLOYS THEREOF IN THE FORM OF SHEETS, STRIPS, RODS, BARS, ROLLS, WIRE, SHAPES, STAMPINGS AND PRESSINGS PRODUCED BY CASTING, ROLLING, DRAWING, EXTRUDING, FORGING, SWAGING, HEADING, STAMPING, OR ELECTRODEPOSITION.

Claims use since May 26, 1930.

Reg. No. 292,770. Registered Mar. 29, 1932. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y., a corporation of Maryland. Republished by registrant.

HERCULOY

FOR NON-FERROUS METALS AND ALLOYS THEREOF IN THE FORM OF SHEETS, STRIPS, RODS, BARS, ROLLS, WIRE, SHAPES, STAMPINGS AND PRESSINGS PRODUCED BY CASTING, ROLLING, DRAWING, EXTRUDING, FORGING, SWAGING, HEADING, STAMPING, OR ELECTRODEPOSITION.

Claims use since Nov. 25, 1931.

CLASS 15

OILS AND GREASES

Reg. No. 255,338. Registered Apr. 23, 1929. F. W. STEADMAN CO., New York, N. Y. Republished by Alice R. Smith, doing business as Mohawk Lubricant Company, New York, N. Y.

MOHAWK

FOR LUBRICATING OILS AND COMPOUNDS.

Claims use since about September 1921.

Reg. No. 388,859. Registered July 15, 1941. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

PATHFINDER

FOR GASOLINE.

Claims use since Dec. 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 124,361. Registered Feb. 11, 1919. THE ARCO COMPANY, Cleveland, Ohio. Republished by The Arco Company (1934), Cleveland, Ohio, a corporation of Ohio.

ARCO

FOR READY-MIXED PAINTS AND VARNISHES.

Claims use since Dec. 1, 1915.

Reg. No. 323,655. Registered Apr. 23, 1935. THE R. M. HOLLINGSHEAD CO., Camden, N. J. Republished by R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey.

WHIZ

FOR JAPAN IRON-ENAMEL, TOUCH-UP ENAMEL FOR AUTOMOBILES, READY-MIXED LIQUID TIRE COVER PAINT, VARNISH, READY-MIXED SHELLAC, FURNITURE POLISH, FURNITURE WAX, AUTOMOBILE POLISH, AUTOMOBILE WAX, AUTO BODY POLISH, DRY GLOSS LIQUID WAX, CEDAR OIL POLISH, POLISH FOR LACQUERED SURFACES, POLISHING WAX, AND FLOOR POLISH.

Claims use since Sept. 1, 1905.

Reg. No. 441,797. Registered Jan. 4, 1949. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

UNDERSEAL

FOR RUST, CORROSION, AND ABRASIVE RESISTANT RUBBERIZED COATING MATERIAL, IN SPRAYABLE FORM, FOR PROTECTIVELY COATING EXPOSED SURFACES OF AUTOMOBILES SUCH AS CHASSIS, FENDERS, AND OTHER SIMILARLY EXPOSED PARTS.

Claims use since at least Nov. 4, 1946.

Reg. No. 442,512. Registered Apr. 19, 1949. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md., a corporation of Maryland. Republished by registrant.

SILENTIZE WITH FENDIX

FOR CAR BODY UNDERCOATING AND SOUND DEADENER IN THE NATURE OF PAINT.

Claims use since Apr. 9, 1947.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 305,603. Registered Aug. 22, 1933. GARCIA GRANDE CIGARS, INCORPORATED, New York, N. Y. Republished by The S. Frieder & Sons Company, Philadelphia, Pa., a corporation of Ohio.

GARCIA GRANDE

FOR CIGARS.

Claims use since February 1909.

CLASS 19

VEHICLES

Reg. No. 340,418. Registered Nov. 10, 1936. DORAY LAMP CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

HEX-FLEX

FOR AUTOMOBILE SAFETY REFLECTING SIGNAL LENSES.

Claims use since Dec. 3, 1935.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 182,907. Registered July 6, 1920. BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo. Republished by McGraw Electric Corporation, St. Louis, Mo., a corporation of Delaware.

ELECTRICITY'S SAFETY VALVE

FOR ELECTRIC FUSES AND CUT-OUTS.

Claims use since Nov. 1, 1918.

Reg. No. 185,207. Registered Sept. 28, 1920. BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo. Republished by McGraw Electric Corporation, St. Louis, Mo., a corporation of Delaware.

BussFuses
ELECTRICITY'S SAFETY VALVE

FOR ELECTRIC FUSES AND CUT-OUTS.

Claims use since Sept. 15, 1918.

Reg. No. 261,848. Registered Sept. 24, 1929. MINNEALLAC ELECTRIC COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

STATISCOPE

FOR ALTERNATING-CURRENT FLOW-INDICATING DEVICES.

Claims use since Mar. 15, 1928.

Reg. No. 295,224. Registered July 21, 1931. ISOLANTITE COMPANY OF AMERICA, INC., Belleville, N. J., now by change of name Isolantite, Inc. Republished by Frank J. Stevens, Stirling, N. J.

CERRISO

FOR CERAMIC INSULATORS.

Claims use since Feb. 4, 1931.

Reg. No. 332,727. Registered Feb. 25, 1936. DORAY LAMP CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SWA-BAC

FOR ELECTRIC SIGNAL LAMPS.

Claims use since Sept. 2, 1935.

Reg. No. 334,624. Registered May 12, 1936. DORAY LAMP CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

NU-RAY

FOR ELECTRIC LAMPS, AND REFLECTORS THEREFOR.

Claims use since Jan. 8, 1936.

Reg. No. 342,145. Registered Jan. 5, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR ELECTRICAL ADVERTISING SIGNS.

Claims use since 1910.

Reg. No. 344,376. Registered Mar. 23, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR SIGNS, MECHANICAL OR STRUCTURAL, NON-ELECTRIC TRAFFIC AND STREET SIGNS, DIRECTIONAL SIGNS, NEON-SIGNS, THEFT PLATE SIGNS, BADGES, MEDALS, PINS, AND BUTTONS MADE OF BASE METAL.

Claims use since 1910.

Reg. No. 374,886. Registered Jan. 30, 1940. ISOLANTITE INC., Belleville, N. J. Republished by Frank J. Stevens, Stirling, N. J.

ISO-Q

FOR CERAMICS OF THE NATURE OF PORCELAIN AND HAVING ELECTRICAL INSULATING CHARACTERISTICS FOR USE IN THE ELECTRICAL, COMMUNICATIONS, AND ELECTRONIC INDUSTRIES.
Claims use since June 22, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 155,200. Registered May 23, 1922. ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ATLANTIC

FOR METAL PRODUCTS CONSISTING OF FUNNELS, STRAINERS, COMMODES, FOOT TUBS, PANS, BASINS, DIPPERS, CUPS, KETTLES, CANNERS, PLATES, COFFEEPOTS, AND PERCOLATORS.
Claims use since about Mar. 1, 1904.

Reg. No. 207,176. Registered Dec. 22, 1925. SIMPLICITY ENGINE AND MANUFACTURING COMPANY, Port Washington, Wis. Republished by Simplicity Manufacturing Company, Port Washington, Wis., a corporation of Wisconsin.

Simplicity

FOR BORING AND GRINDING MACHINES, BORING TOOLS, GRINDING TOOLS, AND PARTS THEREOF.
Claims use since on or about May 11, 1922.

Reg. No. 208,290. Registered Jan. 26, 1926. E. A. BERGS FABRIKS AKTIEBOLAG, Eskilstuna, Sweden, a company organized under the laws of Sweden. Republished by registrant.



FOR TONGS, RAZORS, COMMON PLANE IRON, ROUND-NOSE PLANE IRON, PLANE IRON, HOLLOW-NOSE PLANE IRON, SKEW PLANE IRON, TOOTHED PLANE IRON, SQUARE RABBET PLANE IRON, GROOVING IRON, PLOW-BIT, SASH-FRAME PLANE IRON, MOLDING PLANE IRON, FILLET PLANE IRON, FIRMER CHISELS, STRONG FIRMER CHISEL, SOCKET FIRMER CHISEL, TURNING CHISEL, FIRMER GOUGE, MORTISE CHISEL, WOOD-CARVING KNIFE, SHOEMAKER'S KNIFE, WEFT KNIFE, LEATHER KNIFE.
Claims use since 1887.

Reg. No. 259,615. Registered Aug. 6, 1929. THE NASH ENGINEERING COMPANY, South Norwalk, Conn., a corporation of Connecticut. Republished by registrant.

HYTOR

FOR TURBINES, TURBINE ENGINES, PUMP STRAINERS, SEWAGE EJECTORS, BILGE PUMPS, SUMP PUMPS, VACUUM PUMPS, AIR AND GAS COMPRESSORS, BOILER-FEED PUMPS, VACUUM HEATING PUMPS, AND CHECK VALVES USED AS PART OF THE PUMP UNIT, FLEXIBLE COUPLINGS FOR MACHINERY, FLAT BOX PUMPS, AND CENTRIFUGAL PUMPS.
Claims use since June 1, 1919.

Reg. No. 315,576. Registered July 31, 1934. E. A. BERGS FABRIKS AKTIEBOLAG, Eskilstuna, SEweden, a company organized under the laws of Sweden. Republished by registrant.



FOR SAWS, RAZORS, SHOEMAKER'S KNIVES AND OTHER EDGED TOOLS, HAMMERS, TONGS, FILES, RASPS, AND DRILLS.
Claims use since 1880.

Reg. No. 363,105. Registered Dec. 13, 1938. THE RICHTER & PHILLIPS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

KARVIT

FOR TONGS USED FOR HOLDING ROASTS IN PLACE WHILE CARVING THEM.
Claims use since Apr. 24, 1936.

Reg. No. 401,116. Registered Apr. 27, 1943. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

Moor Man's

FOR MECHANICAL FEED MIXERS FOR MIXING FEEDS FOR FARM ANIMALS.
Claims use since 1939.

Reg. No. 427,393. Registered Feb. 11, 1947. YOUNG RADIATOR COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.

QUAD

FOR AIR COOLED CHIMNEY TYPE HEAT EXCHANGERS FOR COOLING OF WATER, CONDENSING STEAM, AND COOLING OIL.
Claims use since May 6, 1942.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 404,686. Registered Dec. 14, 1943. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y., a corporation of Maryland. Republished by registrant.

REVERE

FOR DOMESTIC METAL WASH BOILERS.
Claims use since Jan. 1, 1933.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 182,104. Registered Apr. 1, 1924. AMERICAN THERMO-WARE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

ATCO

FOR THERMOMETERS, BINOCULARS, FIELD GLASSES, MAGNIFYING GLASSES, READING GLASSES, MAGNIFIERS, OPERA GLASSES, BAROMETERS, URINOMETERS, AND LINEN TESTERS.
Claims use since about Sept. 1, 1915.

Reg. No. 409,538. Registered Oct. 10, 1944. LOOK INCORPORATED, Des Moines, Iowa, now by change of name to Cowles Magazines, Inc. Republished by Cowles Magazines, Inc., New York, N. Y., a corporation of Iowa.

LOOK

FOR MOTION PICTURE FILMS, SOUND FILMS, COMBINED SOUND AND MOTION PICTURE FILMS, CONTAINERS FOR SENSITIZED FILM AND MOTION PICTURE FILM, AND MOTION PICTURE FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING CO-ORDINATED LIGHT AND SOUND EFFECTS.
Claims use since Oct. 7, 1943.

Reg. No. 435,538. Registered Dec. 30, 1947. UNIVERSAL CAMERA CORPORATION, New York, N. Y., a corporation of Delaware. Republishd by registrant.

CHRONOMATIC

FOR PHOTOGRAPHIC SHUTTERS FOR CAMERAS.
Claims use since July 19, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 411,551. Registered Jan. 23, 1945. GEORGE N. WALLACE, New York, N. Y. Republished by registrant.

RACINE

FOR WATCHES AND PARTS THEREOF.
Claims use since October 1890.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 299,390. Registered Dec. 6, 1932. CONCORD SILVERSMITHS, INC., Concord, N. H. Republished by The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut.



FOR ARTICLES MADE OF SILVER—NAMELY, KNIVES, FORKS, AND SPOONS, NUT AND CANDY DISHES, ASH TRAYS, BASKETS, BEVERAGE MIXERS, CUPS, SAUCERS, BOWLS, TABLE DISHES, PITCHERS, BREAD TRAYS, PLATES, CANDLESTICKS, CENTRE PIECES, TEA AND COFFEE SETS AND WAITERS, COMPOTIERS, GOBLETS, LOVING CUPS, PLATTERS, SALT AND PEPPER SHAKERS, SUGAR BOWLS, AND VASES.
Claims use since on or about Sept. 15, 1931.

Reg. No. 414,765. Registered June 26, 1945. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CORO-TEENS

FOR NECKLACES, BRACELETS (NOT INCLUDING WATCHES), EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since January 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 328,609. Registered Oct. 1, 1935. J. G. COMFORT COMPANY, New York, N. Y., a firm. Republished by registrant.



The abbreviation "No.," the dotted line, and the word "Down" are disclaimed apart from the mark as shown.
FOR COMFORTS, BLANKETS, BEDSPREADS, PILLOWS, MATTRESSES, CURTAINS, DRAPERY, AND UPHOLSTERY OF COTTON, LINEN, SILK, OR WOOL.
Claims use since Mar. 21, 1933.

CLASS 33

GLASSWARE

Reg. No. 253,315. Registered Feb. 26, 1929. KIMBLE GLASS COMPANY, Vineland, N. J. Republished by Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio.

Klic-Off

FOR GLASS AMPOULES.
Claims use since Aug. 31, 1928.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 341,578. Registered Dec. 15, 1936. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.

FOR TIRE COVERS.
Claims use since 1920.

CLASS 37

PAPER AND STATIONERY

Reg. No. 86,204. Registered Apr. 30, 1912. KATAHDIN PULP AND PAPER COMPANY, Lincoln, Maine. Republished by Eastern Corporation, Bangor, Maine, a corporation of Maine.

KATAHDIN

FOR LINING, WRAPPING, PRINTING, AND WRITING PAPERS.
Claims use since on or about May 1, 1894.

Reg. No. 222,548. Registered Jan. 4, 1927. CHICAGO CARDBOARD COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CRESCENT

FOR CARDBOARD, MAT BOARD, ART POSTER BOARD, MOUNTING BOARD, PULP BOARD, DISPLAY BOARD, AND SHOW-CARD BOARD.
Claims use since March 1903.

Reg. No. 319,037. Registered Nov. 13, 1934. THE GENERAL CELLULOSE COMPANY, INC., Westfield, N. J., a corporation of New Jersey. Republished by registrant.

S'WIPE'S

FOR ABSORBENT CELLULOSE PAPER, PARTICULARLY USED IN HOSPITALS AS MOUTH WIPES, ETHER WIPES, OR SPUTUM HANDKERCHIEFS.
Claims use since Jan. 1, 1934.

Reg. No. 334,066. Registered Apr. 21, 1936. MONTAG BROTHERS, INC., Atlanta, Ga., a corporation of Delaware. Republished by registrant.



BLUE HORSE

FOR PENCIL TABLETS, COMPOSITION NOTE BOOKS, LOOSE-LEAF PAPER AND THEME PAPER, SHEET WRITING PAPER, LOOSE-LEAF FILLERS, LOOSE-LEAF BINDERS AND COMBINATIONS THEREOF, PENCILS AND FOUNTAIN PENS.
Claims use since Mar. 1, 1913.

Reg. No. 343,877. Registered Mar. 9, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.

FOR WRITING PAPER, ENVELOPES, WRAPPING PAPER, DRAWING PAPER, PENCILS, PENS, BLOTTERS, PENCIL HOLDERS, PEN HOLDERS, BOOK COVERS, IDENTIFICATION BLANKS, AND FORMS.
Claims use since 1910.

Reg. No. 368,429. Registered June 20, 1939. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y., a corporation of New York. Republished by registrant.

Filmvelope

FOR ENVELOPES.
Claims use since Oct. 1, 1937.

Reg. No. 433,291. Registered Oct. 7, 1947. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

Mistlon

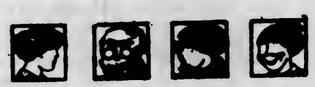
FOR SHEET MATERIAL SOLD IN CUT LENGTHS OF VARIOUS SIZES, IN THE FORM OF ROLLS, FLAT SHEETS, ETC., MADE OF PLASTIC FIBERS LAID IN FELTED OR MESHED FASHION, USED TO SOME EXTENT AS A PAPER SUBSTITUTE FOR PACKAGING, WRAPPING, TYING, DRAPING, DECORATING, ETC., AND ALSO FOR WIPING LENSES, ETC.
Claims use since at least September 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 94,215. Registered Nov. 11, 1913. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Polly and Her Pals



FOR NEWSPAPER SECTION PUBLISHED PERIODICALLY.
Claims use since Jan. 13, 1913.

Reg. No. 112,980. Registered Oct. 10, 1916. AMERICAN AUTOMOBILE ASSOCIATION, New York, N. Y., a corporation of Connecticut. Republished by registrant, present address Washington, D. C.



FOR MAPS, PRINTED TOURING AND ROUTE INFORMATION, AND OTHER PRINTED PUBLICATIONS ISSUED MONTHLY.
Claims use since April 1909.

Reg. No. 139,644. Registered Feb. 8, 1921. WM. WALLACE WHITE, New York, N. Y. Republished by Trade Activities, Inc., New York, N. Y., a corporation of New York.

PATENT AND TRADE MARK REVIEW

FOR MONTHLY PUBLICATION.
Claims use since October 1902.

Reg. No. 342,144. Registered Jan. 5, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.

FOR PRINTED MAPS, PAMPHLETS, BOOKS, PRINTED SIGNS, PHOTOSTAT PRINTS, PHOTO PRINTS, DECALCOMANIAS, POSTERS.
Claims use since 1910.

Reg. No. 349,191. Registered Aug. 24, 1937. THE REGISTER & TRIBUNE COMPANY, Des Moines, Iowa. Republished by Cowles Magazines, Inc., New York, N. Y., a corporation of Iowa.

Look

FOR REGULARLY ISSUED MAGAZINE.
Claims use since Oct. 18, 1936.

Reg. No. 361,820. Registered Nov. 1, 1938. MOBILE DAILY NEWSPAPERS, INC., Mobile, Ala. Republished by The Mobile Press Register, Inc., Mobile, Ala., a corporation of Alabama.

THE MOBILE PRESS REGISTER

The geographical word "Mobile" is disclaimed apart from the mark as shown.
FOR NEWSPAPER.
Claims use since May 26, 1903.

Reg. No. 361,821. Registered Nov. 1, 1938. MOBILE DAILY NEWSPAPERS, INC., Mobile, Ala. Republished by The Mobile Press Register, Inc., Mobile, Ala., a corporation of Alabama.

THE MOBILE REGISTER

The geographical word "Mobile" is disclaimed apart from the mark as shown.
FOR NEWSPAPER.
Claims use since May 26, 1903.

Reg. No. 382,785. Registered Nov. 12, 1940. MOBILE DAILY NEWSPAPERS, INC., Mobile, Ala. Republished by The Mobile Press Register, Inc., Mobile, Ala., a corporation of Alabama.

M.O. Beale

FOR SECTION OR COLUMN OF A NEWSPAPER.
Claims use since Sept. 23, 1929.

Reg. No. 442,500. Registered Apr. 19, 1949. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

ELMER SQUEE

FOR NEWSPAPER CARTOON PAGE AND/OR STRIP.
Claims use since Sept. 7, 1946.

CLASS 39

CLOTHING

Reg. No. 253,968. Registered Mar. 12, 1929. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

CHUKKER

FOR SWEATERS, SWEATER COATS AND VESTS, AND HOSIERY, WOVEN, KNITTED, OR NETTED, FOR MEN, WOMEN, AND CHILDREN.
Claims use since September 1928.

Reg. No. 256,879. Registered May 28, 1929. JULIUS KAYSER & CO., New York, N. Y., a corporation of New York. Republished by registrant.

SOLO

FOR LADIES' SILK UNDERWEAR OF KNITTED OR TEXTILE FABRICS.
Claims use since Feb. 1, 1928.

Reg. No. 261,211. Registered Sept. 10, 1929. J. SCHOENMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

CANAMARA

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since about Sept. 28, 1928.

Reg. No. 261,212. Registered Sept. 10, 1929. J. SCHOENMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

KINGSRIDGE

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since about Sept. 28, 1928.

Reg. No. 261,214. Registered Sept. 10, 1929. J. SCHOENMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

TWILLTONE

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since about Sept. 28, 1928.

Reg. No. 276,255. Registered Oct. 14, 1930. MORRIS SHUWARGER, doing business as Bettermade Garment Company, Los Angeles, Calif. Republished by Bettermade Garment Company, Los Angeles, Calif., a corporation of California.

M. SHUWARGER

FOR LADIES' SILK DRESSES, LADIES' WOOL DRESSES, LADIES' COTTON DRESSES, LADIES' DRESSES MANUFACTURED FROM THE COMBINATION OF SILK AND WOOL, LADIES' SILK COATS, LADIES' WOOL COATS, MISSES' SILK DRESSES, MISSES' WOOL DRESSES, MISSES' COTTON DRESSES, MISSES' DRESSES MANUFACTURED FROM THE COMBINATION OF SILK AND WOOL, MISSES' SILK COATS, MISSES' WOOL COATS, CHILDREN'S SILK DRESSES, CHILDREN'S WOOL DRESSES, CHILDREN'S COTTON DRESSES, CHILDREN'S DRESSES MANUFACTURED FROM THE COMBINATION OF SILK AND WOOL, CHILDREN'S SILK COATS, AND CHILDREN'S WOOL COATS.
Claims use since Jan. 1, 1927.

Reg. No. 278,168. Registered Dec. 9, 1930. J. H. BONCK CO., New Orleans, La. Republished by J. H. Bonck Company, Inc., New Orleans, La., a corporation of Louisiana.

THE Tulane SHIRT

The word "Shirt" is disclaimed apart from the mark as shown.
FOR DRESS SHIRTS FOR MEN AND BOYS.
Claims use since Jan. 1, 1923.

Reg. No. 317,317. Registered Sept. 18, 1934. SPORTOWNE COAT CO., INC., New York, N. Y. Republished by Sportowne Coat Co. Inc., New York, N. Y., a corporation of New York, assignor by mesne assignments to Morris Metzger & Sons, Inc., a corporation of New York.

Sportowne

FOR LADIES' AND MISSES' SPORTS AND TRAVEL COATS AND SUITS.
Claims use since May 1, 1932.

Reg. No. 344,381. Registered Mar. 23, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.

AAA

FOR OVERALLS, RAINCOATS, AND BELTS FOR OUTER WEAR.
Claims use since 1921.

Reg. No. 359,545. Registered Aug. 23, 1938. H. O. RONDEAU SHOE CO., INC., Farmington, N. H., a corporation of New Hampshire. Republished by registrant.

SANDALAIRE

FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since January 1933.

Reg. No. 367,184. Registered May 9, 1939. THE B. V. D. CORPORATION, Baltimore, Md., a corporation of Delaware. Republished by registrant, present address Baltimore, Md., and New York, N. Y.

B.V.D.

FOR CLOTHING FOR MEN AS FOLLOWS: UNDERWEAR OF WOVEN AND TEXTILE FABRICS—NAMELY, SHIRTS, DRAWERS, UNION SUITS, SHORTS, PAJAMAS; ATHLETIC OUTER CLOTHING—NAMELY, ATHLETIC SHIRTS AND RUNNING PANTS, BRIEFS, COMBINED GIRDLE AND KNIT SHORTS, BATHING TRUNKS, SWEATERS; NEGLIGEE SHIRTS, SPORT SHIRTS, NIGHT SHIRTS, ROBES FOR PERSONAL WEAR; BEACHWEAR—TO WIT, WOVEN AND KNIT SHIRTS, HANDKERCHIEFS; CLOTHING FOR WOMEN AS FOLLOWS: BATHING SUITS, BEACHWEAR—TO WIT, SLACKS, SHIRTS AND SHORTS; SPORT SHIRTS, SWEATERS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNION SUITS, HANDKERCHIEFS; CLOTHING FOR CHILDREN, UNDERWEAR, AND BATHING TRUNKS.
Claims use since 1876.

Reg. No. 371,830. Registered Oct. 10, 1939. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

TEBILIZED

FOR DRESSES, GOWNS, FROCKS, BLOUSES, CHILDREN'S DRESSES, SKIRTS, NEGLIGEES FOR USE BY WOMEN AND CHILDREN, AND JUMPERS, COATS, SHORTS, DRESSING GOWNS, PYJAMAS, BATHING SUITS, AND TIES FOR USE BY MEN, WOMEN, AND CHILDREN.
Claims use since Mar. 20, 1939.

Reg. No. 377,198. Registered Apr. 23, 1940. SPORTOWNE COAT CO. INC., New York, N. Y. Republished by Sportowne Coat Co. Inc., New York, N. Y., a corporation of New York, assignor by mesne assignments to Morris Metzger & Sons, Inc., a corporation of New York.

Townebrook HAND-TAILORED

The term "Hand-Tailored" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since November 1938.

Reg. No. 377,837. Registered May 14, 1940. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

ELEVATORS

FOR LEATHER SHOES.
Claims use since on or about Dec. 13, 1939.

Reg. No. 377,850. Registered May 14, 1940. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

BENDABLES

FOR LEATHER SHOES.
Claims use since on or about Dec. 15, 1939.

Reg. No. 384,123. Registered Jan. 7, 1941. PEERLESS UNDERGARMENT CO., New York, N. Y. Republished by Peerless Undergarment Co., Inc., New York, N. Y., a corporation of New York.

SWEET DREAMS

FOR LADIES' UNDERWEAR, NIGHTGOWNS, SLIPS, PANTIES, CHEMISES, AND PAJAMAS OF COTTON, RAYON, AND SILK MATERIAL.
Claims use since Mar. 11, 1940.

Reg. No. 386,134. Registered Mar. 25, 1941. H. O. RONDEAU SHOE CO., INC., Farmington, N. H., a corporation of New Hampshire. Republished by registrant.

Casualaires

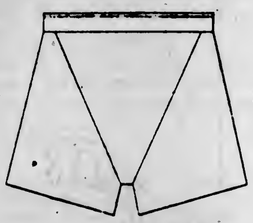
FOR LADIES' AND MISSES' SHOES AND SLIPPERS, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since Aug. 1, 1940.

Reg. No. 390,957. Registered Oct. 14, 1941. SPORTOWNE COAT CO. INC., New York, N. Y. Republished by Sportowne Coat Co. Inc., New York, N. Y., a corporation of New York, assignor by mesne assignments to Morris Metzger & Sons, Inc., a corporation of New York.



The word "Exclusive" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since April 1940.

Reg. No. 392,120. Registered Dec. 9, 1941. COOPER'S, INCORPORATED, Kenosha, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of a pair of shorts is disclaimed apart from the mark as shown.
FOR MEN'S UNDERWEAR, SPECIFICALLY SHORTS.
Claims use since May 4, 1936.

Reg. No. 420,113. Registered Mar. 26, 1946. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

"YOUR PERSONAL PEDESTAL"

FOR SHOES OF LEATHER, FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since May 4, 1945.

Reg. No. 421,165. Registered May 21, 1946. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

EVEN-KEELERS

FOR SHOES OF LEATHER, FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since July 15, 1945.

Reg. No. 429,806. Registered May 20, 1947. HERBERT LEVENSON, New York, N. Y. Republished by registrant.

SLUMBERTOTS

FOR MEN'S, WOMEN'S, AND CHILDREN'S ONE PIECE PAJAMAS, TWO PIECE PAJAMA SUITS, NIGHTSHIRTS, AND NIGHTGOWNS.
Claims use since Nov. 1, 1945.

Reg. No. 437,840. Registered Mar. 30, 1948. H. O. BONDRAU SHOE CO., INC., Farmington, N. H., a corporation of New Hampshire. Republished by registrant.

TEENAIRE

FOR SHOES MADE OF LEATHER, FABRIC, OR COMPOSITIONS THEREOF.
Claims use since May 12, 1947.

Reg. No. 441,944. Registered Feb. 1, 1949. MISS COQUETTE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Miss Coquette

FOR LADIES' SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, BED JACKETS, AND PETTICOATS.
Claims use since Dec. 5, 1944.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 279,378. Registered Jan. 13, 1931. DOBBS & CO., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR CANES AND UMBRELLAS.
Claims use since about July 1908.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 77,496. Registered Apr. 12, 1910. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

TOBRALCO

FOR COTTON PIECE GOODS.
Claims use since March 1909.

Reg. No. 104,917. Registered June 22, 1915. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

TARANTULLE

FOR COTTON PIECE GOODS—VIZ., NAINSOOKS, CAMBRICS, MADAPOLAMS; ALSO LINEN, SILK, COTTON, CRAPE AND LACE, PIECE GOODS.
Claims use since on or about 1885.

Reg. No. 254,458. Registered Mar. 26, 1929. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Konga

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 10, 1928.

Reg. No. 262,098. Registered Oct. 1, 1929. ERNEST W. KUNS, New York, N. Y. Republished by registrant.



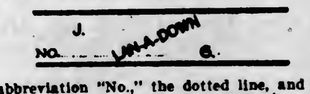
FOR COTTON GOODS—NAMELY, PIQUES AND BROADCLOTHS IN THE PIECE.
Claims use since March 1926.

Reg. No. 318,411. Registered Oct. 23, 1934. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

ROBIA

FOR COTTON PIECE GOODS.
Claims use since Dec. 31, 1920.

Reg. No. 328,609. Registered Oct. 1, 1935. J. G. COMFORT COMPANY, New York, N. Y., a firm. Republished by registrant.



The abbreviation "No.," the dotted line, and the word "Down" are disclaimed apart from the mark as shown.
FOR COMFORTS, BLANKETS, BEDSPREADS, PILLOWS, MATTRESSES, CURTAINS, DRAPERY, AND UPHOLSTERY OF COTTON, LINEN, SILK, OR WOOL.
Claims use since Mar. 21, 1933.

Reg. No. 338,033. Registered Aug. 25, 1936. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

LYSTAV

FOR PIECE GOODS MADE OF RAYON OR OF CELLULOSE FIBRE.
Claims use since July 31, 1935.

Reg. No. 354,658. Registered Feb. 15, 1938. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

TEBILIZED

FOR PIECE GOODS OF COTTON, LINEN, AND ARTIFICIAL SILK.
Claims use since May 10, 1937.

Reg. No. 438,856. Registered May 11, 1948. ROBINSON & CLEAVER LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR SHEETS, PILLOW CASES, TABLE CLOTHS, NAPKINS, TABLE MATS, LINEN CLOTHS FOR DRYING AND POLISHING TABLE GLASS.
Claims use since July 12, 1938.

Reg. No. 441,808. Registered Jan. 4, 1949. ROBINSON & CLEAVER LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR LINEN AND HEMP PIECE GOODS.
Claims use since Mar. 15, 1937.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 314,764. Registered July 10, 1934. YOUNGS RUBBER CORPORATION, INC., New York, N. Y. Republished by Youngs Rubber Corporation, New York, N. Y., a corporation of New York.

Shadows

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Dec. 8, 1933.

Reg. No. 358,164. Registered June 28, 1938. WAROPA A. G., Basel, Switzerland, a corporation of Switzerland. Republished by registrant.

WAROPA

FOR DENTAL APPARATUS, DENTAL INSTRUMENTS, AND PARTS THEREOF PARTICULARLY FOR Ppainless DRILLING OF THE TEETH.
Claims use since Dec. 21, 1937.

Reg. No. 429,473. Registered Apr. 29, 1947. YOUNGS RUBBER CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

THE WHITE
TROJANS

The words "The White" and "Rubber Prophylactics" are disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Nov. 5, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 284,111. Registered June 16, 1931. CHOCOLATE PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME.
Claims use since Nov. 1, 1924.

Reg. No. 356,922. Registered May 17, 1938. THOMAS A. DAVIS, doing business as Fresh Orange Juice Company, Dallas, Tex. Republished by Edward Lamar Dial, Dallas, Tex.

TEXAS JULEP

The words "Texas" and "Julep" are disclaimed apart from the mark as shown. The drawing is lined for yellow and purple.
FOR FRESH FRUIT JUICE CONCENTRATES, SOLD AS SYRUP.
Claims use since June 1, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 75,627. Registered Oct. 26, 1909. S. S. PIERCE CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SWANSDOWN

FOR CORN STARCH.
Claims use since Mar. 28, 1905.

Reg. No. 142,822. Registered May 17, 1921. WASHINGTON GROWERS PACKING CORPORATION, Vancouver, Wash. Republished by Washington Canners Cooperative, Vancouver, Wash., a cooperative association incorporated under the laws of Washington.

BESTWEST

No claim is made to the exclusive use of the representation of the goods apart from the mark as shown.
FOR DRIED FRUIT—NAMELY, DRIED ITALIAN PRUNES AND PETITES, AND SUGAR PRUNES.
Claims use since Oct. 1, 1920.

Reg. No. 168,675. Registered May 29, 1923. MILES MANUFACTURING COMPANY, Los Angeles, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

JELL - WELL

FOR COMPOUND OF SUGAR, GELATIN, AND FRUIT ACID, ARTIFICIALLY COLORED AND FLAVORED.
Claims use since April 1920.

Reg. No. 193,204. Registered Dec. 23, 1924. RED FOX ORCHARDS, Orange, Calif. Republished by Consolidated Orange Growers, Orange, Calif., a corporation of California.

MOHICAN

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Aug. 21, 1923.

Reg. No. 200,960. Registered July 14, 1925. SUMNER'S TY.PHOO TEA LTD., Birmingham, England. Republished by Ty.phoo Tea Limited, Birmingham, England, a corporation of Great Britain.

TY.PHOO

FOR TEA.
Claims use since 1904.

Reg. No. 200,961. Registered July 14, 1925. SUMNER'S TY.PHOO TEA LTD., Birmingham, England. Republished by Ty-phoo Tea Limited, Birmingham, England, a corportion of Great Britain.



The phrases "The Tea with that Nice Nutty Taste so Pure & Good for Indigestion. Ty.Phoo is so Mild & Pure it may be taken where others disagree. The original Tipps Real Leaf Edge. This is the Tea So Good for Indigestion. You Save on Every Lb. You Buy, as clearly shown on left hand side panel," are disclaimed apart from the mark as shown.
FOR TEA.
Claims use since 1922.

Reg. No. 205,762. Registered Nov. 17, 1925. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

SOUR BALLS

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1918.

Reg. No. 207,034. Registered Dec. 15, 1925. MCPHERSON HEIGHTS CITRUS ASSOCIATION, Orange, Calif. Republished by Consolidated Orange Growers, Orange, Calif., a corporation of California.

BOW-MAN

FOR FRESH CITRUS FRUITS (ORANGES).
Claims use since 1916.

Reg. No. 207,881. Registered Jan. 12, 1926. OSWALD JABOEM BAKING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SICHLING

FOR BREAD.
Claims use since on or about July 3, 1865.

Reg. No. 210,004. Registered Mar. 9, 1926. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Republished by Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California.

SHERBET

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1912.

Reg. No. 210,005. Registered Mar. 9, 1926. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Republished by Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California.

PIE

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1920.

Reg. No. 212,998. Registered May 18, 1926. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Republished by Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California.

Smile

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1912.

Reg. No. 213,060. Registered May 18, 1926. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Republished by Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California.

CASITAS

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1912.

Reg. No. 215,184. Registered July 13, 1926. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif., a corporation of California. Republished by registrant.

HIGHLANDER

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1894.

Reg. No. 219,835. Registered Oct. 26, 1926. COLTON FRUIT EXCHANGE, Colton, Calif. Republished by Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif.

FLORAL

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since January 1893.

Reg. No. 221,418. Registered Nov. 30, 1926. C. D. HUBBARD FRUIT CO., Carpinteria, Calif. Republished by Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California.

HAPPY

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1909.

Reg. No. 222,992. Registered Jan. 11, 1927. GRAND CAILLOU PACKING CO. INC., Houma, La., a corporation of Louisiana. Republished by registrant.

LOU Z ANA

FOR CANNED SHRIMP, CANNED OYSTERS, CANNED VEGETABLES.
Claims use since Apr. 12, 1926.

Reg. No. 227,601. Registered May 10, 1927. WILLIAM E. MCDAVITT, doing business as McDavitt Brothers, Brownsville, Tex. Republished by Larry Lightner, Inc., Brownsville, Tex., a corporation of Texas.

Straight Shooter

FOR FRESH VEGETABLES—NAMELY, BEANS, TOMATOES, SQUASH, CUCUMBERS, AND POTATOES.
Claims use since January 1915.

Reg. No. 228,746. Registered June 7, 1927. HIGHLAND FRUIT GROWERS ASSOCIATION, Highland, Calif., a corporation of California. Republished by registrant.

HIGHLAND GROVE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1905.

Reg. No. 236,471. Registered Dec. 18, 1927. COLLEGE HEIGHTS ORANGE & LEMON ASSOCIATION, Claremont, Calif., a corporation of California. Republished by registrant.

Basket Ball

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 5, 1917.

Reg. No. 236,662. Registered Dec. 20, 1927. COLLEGE HEIGHTS ORANGE & LEMON ASSOCIATION, Claremont, Calif., a corporation of California. Republished by registrant.

COLLEGE HEIGHTS

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 5, 1917.

Reg. No. 237,555. Registered Jan. 10, 1928. DE WITT GROCERY COMPANY, Brattleboro, Vt., a corporation of Vermont. Republished by registrant.

FORT DUMMER

FOR MAPLE SIRUP, PASTRY FLOUR, AND MINCEMEAT.
Claims use since about July 1889.

Reg. No. 256,108. Registered May 7, 1929. FOUR ROSES MALT EXTRACT COMPANY, doing business as Wizard Malt Extract Co., Cincinnati, Ohio. Republished by Dextora Company, Indianapolis, Ind., a corporation of Indiana.



The drawing is lined for blue.
FOR MALT SYRUPS.
Claims use since Sept. 10, 1928.

Reg. No. 258,874. Registered July 16, 1929. FLORASYNTH LABORATORIES, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MAPLEAROME

FOR IMITATION MAPLE-FLAVOR BASE FOR FOOD FLAVORS.
Claims use since July 1925.

Reg. No. 260,019. Registered Aug. 13, 1929. BREESE GRAIN CO., Breese, Ill., a corporation of Illinois. Republished by registrant.

SENTRY



FOR WHEAT FLOUR, SCRATCH GRAIN, CHICK GRAIN, EGG MASH.
Claims use since Jan. 3, 1929.

Reg. No. 260,329. Registered Aug. 20, 1929. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

LEFCO

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1929.

Reg. No. 260,330. Registered Aug. 20, 1929. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

VIM

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1929.

Reg. No. 280,626. Registered Feb. 24, 1931. MEAD JOHNSON & COMPANY, Evansville, Ind., a corporation of Indiana. Republished by registrant.

B

The drawing is lined for red color.
FOR SPECIALLY PREPARED FOOD IN POWDERED FORM INCLUDING VITAMIN B FOR INFANTS AND INVALIDS.
Claims use since Mar. 15, 1930.

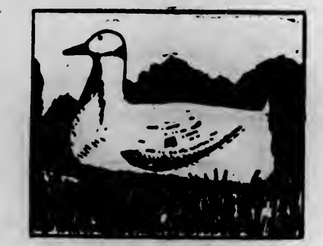
Reg. No. 293,130. Registered Apr. 12, 1932. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, a corporation of Maryland, also doing business as A. Schilling & Co., Division of McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif.

Schilling

FOR WHOLE SPICES—NAMELY, ALLSPICE, ANISE SEED, BAY LEAVES, BLACK PEPPER, CARAWAY SEED, CARDAMON SEED, CAYENNE, CELERY SEED, CHILI TEPINES (PEPPER BERRIES), CINNAMON, CLOVE, CORIANDER SEED, CUMIN SEED, DILL SEED, GINGER, MACE, MUSTARD SEED, NUTMEG, OREGANO LEAVES, PICKLING SPICE (A COMBINATION), POPPY SEED, SAGE LEAVES, TURMERIC AND WHITE PEPPER; AND FOR GROUND SPICES—NAMELY, PAPRIKA, A COMBINATION OF SPICES KNOWN AS CHILI POWDER, A COMBINATION OF SPICES KNOWN AS CURRY POWDER, MARJORAM, A COMBINATION OF SPICES KNOWN AS POULTRY SEASONING, A COMBINATION OF SPICES KNOWN AS PASTRY SPICE, TURMERIC, CARDAMON, CUMIN SEED, AND PREPARED MUSTARD.
Claims use since 1881.

Reg. No. 296,767 Registered Aug. 23, 1932. MARTIN B. MAURER, Riverhead, N. Y. Republished by registrant.

The Big Duck Ranch



The picture of the goods is disclaimed apart from the mark as shown.
FOR DRESSED POULTRY AND LIVE DUCKS.
Claims use since Apr. 1, 1931.

Reg. No. 298,554. Registered Nov. 1, 1932. L. M. MCLAREN, Yuma, Ariz. Republished by L. M. McLaren Produce, Inc., Yuma, Ariz., a corporation of Arizona.

"MC'S YUMA QUALITY ASSURES A PROFIT"

All the wording on the drawing except the notation "MC'S" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Dec. 15, 1931.

Reg. No. 303,656. Registered June 6, 1933. S. M. FLICKINGER CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Meadowbloom

FOR BUTTER AND EGGS.
Claims use since Apr. 24, 1930.

Reg. No. 317,948. Registered Oct. 9, 1934. PACIFIC PRODUCE DISTRIBUTORS, INC., San Jose, Calif., a corporation of California. Republished by registrant.

Don-Jose

FOR FRESH VEGETABLES.
Claims use since Dec. 1, 1932.

Reg. No. 319,480. Registered Nov. 27, 1934. FEDERAL SWEETS & WAFER CO., INC., Brooklyn, N. Y. Republished by Federal Sweets & Biscuit Co., Inc., Clifton, N. J., a corporation of New York.

Dutch Maid

FOR CANDY, MARSHMALLOWS, SUGAR WAFERS, AND MACAROONS.
Claims use since July 1928.

Reg. No. 324,431. Registered May 21, 1935. ARTHUR C. KNIGHT, doing business as Continental Mills, Chicago, Ill. Republished by Central Soya Company, Inc., Fort Wayne, Ind., a corporation of Indiana.

MASTER MIX

The word "Mix" is disclaimed apart from the mark as shown.
FOR ANIMAL AND LIVE STOCK FEED.
Claims use since July 10, 1922.

Reg. No. 342,363. Registered Jan. 12, 1937. STANDARD FRUITS, INC., Wenatchee, Wash., a corporation of Washington. Republished by registrant.

A-PLUS

FOR FRESH APPLES.
Claims use since Aug. 3, 1936.

Reg. No. 360,725. Registered Sept. 27, 1938. WAPLES-PLATTER COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

WHITE SWAN

FOR CANNED GOODS, AS FOLLOWS: APRICOTS, ARTICHOKES, ASPARAGUS TIPS, BARTLETT PEARS, BEETS, BLACK-EYED PEAS, BLACK RASPBERRIES, CARROTS, CATSUP, CHERRIES—RED PITTED; CHERRIES—ROYAL ANNE; COFFEE, CORN, PEACHES, EGG PLUMS, FRUIT COCKTAIL, FRUIT SALAD, GRAPES, GREEN-GAGE PLUMS, HOMINY, HONEY, LIMA-BEANS, LOGANBERRIES, MEXICAN STYLE BEANS, EVAPORATED MILK, MUSTARD-GREENS, OKRA, OKRA AND TOMATO-SAUCE, OLIVE OIL, PEACHES—SLICED AND HALVES; PEANUT-BUTTER, PEAS, PICKLED APRICOTS, PICKLED PEACHES, PICKLED PEARS, PIMIENTOS, PINEAPPLE—SLICED; PORK AND BEANS, PRUNES—FRESH, PUMPKIN, QUEEN OLIVES, RED BEANS, RED KIDNEY-BEANS, RED RASPBERRIES, RIPE OLIVES, SALMON, SHRIMP, SOUP, SPAGHETTI, SPINACH, STRAWBERRIES, STRINGLESS BEANS, SYRUP-CANE, TOMATOES, TOMATO-JUICE, TOMATO PURÉE, TUNA FISH, TURNIP-GREENS, CHILI-CON-CARNE; CANNED BABY-FOODS, AS FOLLOWS—APPLES, ASSORTED VEGETABLES, VEGETABLES WITH BEEF-BROTH, VEGETABLE SOUP, BEANS, GREEN BEANS, BEETS, CARROTS, CELERY, PEAS, PRUNES, SPINACH, AND TOMATOES; CANNED JAMS, AS FOLLOWS—GRAPE, LOGANBERRY, BLACK RASPBERRY, RED RASPBERRY; CANNED JELLIES, AS FOLLOWS—RED CURRENT, BLACKBERRY, GRAPE, CONCORD-GRAPE, MINT, GREEN MINT, PINEAPPLE, PLUM, STRAWBERRY; CANNED PRESERVES, AS FOLLOWS—APRICOTS, BLACKBERRY, CHERRY, PINEAPPLE, PINE COT (BEING A MIXTURE OF PINEAPPLE AND APRICOT), PLUM, PEACH, BLACK RASPBERRY, RED RASPBERRY, STRAWBERRY, RED CURRANT, WHOLE FIG; PACKAGED GOODS, AS FOLLOWS—SPICES AS FOLLOWS: ALL-SPICE, CINNAMON, CLOVES, GINGER, NUTMEG, MUSTARD, PAPRIKA, BLACK PEPPER, RED PEPPER, WHITE PEPPER, SAGE, TURMERIC, SAVORY, THYME, MARJORAM, MACE, CURRY POWDER, GARLIC POWDER, ONION POWDER, ANISE SEED, BAY LEAVES, CELERY SEED, COMINOS SEED, MIX PICKLING, MEXICAN CHILE PETINE, CARAWAY SEED, AND JAPAN CHILLIES; BRAN FLAKES, SHREDDED COCOANUT, COFFEE, CORN FLAKES, GELATINE DESSERT, GLACE PEEL, ICE CREAM POWDER, MARSHMALLOWS, MINCE MEAT, RAISINS, RICE, ROLLED OATS, TEA, EGG NOODLES, EVAPORATED APPLES; BOTTLED GOODS AS FOLLOWS—BLACK PEPPER, CHILI-POWDER, CHILI-BLEND POWDER, CELERY SALTS, GARLIC POWDER, ONION POWDER, CATSUP, CHILI SAUCE, HONEY, HOT SAUCE, MARASCHINO CHERRIES, MINCE-MEAT, OLIVE OIL, PEANUT-BUTTER, PEPPER-SAUCE, PIMIENTOS, QUEEN-OLIVES, RIPE OLIVES, SALAD MUSTARD, SHRIMP, STUFFED OLIVES, VINEGAR, PURE VEGETABLE OIL USED AS A BASE FOR SALAD DRESSING, MAYONNAISE, 1000 ISLAND DRESSING, LEMON EXTRACT AND VANILLA EXTRACT USED FOR FOOD-FLAVORING PURPOSES; PICKLES, AS FOLLOWS—DILL, SOUR, SWEET, SWEET RELISH; JAMS, AS FOLLOWS—GRAPE, LOGANBERRY, RED RASPBERRY AND BLACK RASPBERRY; JELLIES, AS FOLLOWS—RED CURRANT, BLACKBERRY, GRAPE, CONCORD GRAPE, MINT, GREEN MINT, PINEAPPLE, PLUM, AND STRAWBERRY; PRESERVES, AS FOLLOWS—APRICOT, BLACKBERRY, CHERRY, PINEAPPLE, PINE COT, PLUM, PEACH, BLACK RASPBERRY, RED RASPBERRY, STRAWBERRY, RED CURRANT, WHOLE-FIG; AND ORANGE MARMALADE.
Claims use since 1885.

Reg. No. 373,071. Registered Nov. 21, 1939. LEKAS & DRIVAS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OLYMPIAN

FOR OLIVE OIL.
Claims use since May 29, 1939.

Reg. No. 385,392. Registered Feb. 25, 1941. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

Mashtrate

FOR POULTRY FEEDS.
Claims use since Aug. 24, 1940.

Reg. No. 390,003. Registered Sept. 2, 1941. HORLICK'S MALTED MILK CORPORATION, Racine, Wis. Republished by Horlicks Corporation, Racine, Wis., a corporation of Delaware.

BOOST

FOR CHOCOLATE FLAVORED PREPARATION IN POWDER FORM FOR USE IN MAKING FOOD DRINKS.
Claims use since Jan. 27, 1941.

Reg. No. 405,216. Registered Jan. 11, 1944. THE DRAPER CANNING COMPANY, Milton, Del., a corporation of Delaware. Republished by registrant.

ISLAND FARM

The word "Farm" is disclaimed apart from the mark as shown.
FOR CANNED SOYBEANS, ASPARAGUS, AND PEAS.
Claims use since during the month of January 1940.

Reg. No. 427,010. Registered Jan. 21, 1947. SANTA MARIA DISTRIBUTORS, Santa Maria, Calif. Republished by Santa Maria Distributors (1948), Santa Maria, Calif., a firm.

RAMPART

FOR FRESH VEGETABLES—NAMELY, CAULIFLOWER.
Claims use since Apr. 22, 1946.

Reg. No. 364,542. Registered Feb. 7, 1939. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

Mintrate

FOR FEEDS FOR POULTRY.
Claims use since Feb. 15, 1938.

Reg. No. 441,599. Registered Dec. 14, 1948. ARMSTRONG GROCERY COMPANY, Sharon, Pa., a corporation of Pennsylvania. Republished by registrant.

Baby Rose

FOR CANNED SOUP, TEA, VINEGAR, CANNED VEGETABLE, CANNED FRUITS, CANNED FRUIT JUICES, CANNED FISH, ALIMENTARY PASTE PRODUCTS, PANCAKE, PASTRY, AND WHEAT FLOUR, JELLY AND FRUIT PRESERVES, APPLE BUTTER, CHILE SAUCE, DRIED FRUITS, MAYONNAISE, SALAD DRESSING, MUSTARD, PEANUT BUTTER, SALT (FOOD PURPOSES), SPICES, DRIED VEGETABLES, MINCEMEAT, WALNUTS IN THEIR NATURAL STATE, CANNED TOMATO JUICE, PICKLES, CORN STARCH (FOOD PURPOSES), CATSUP, COFFEE, EVAPORATED MILK, OLIVES, RICE.
Claims use since Oct. 1, 1931.

Reg. No. 441,612. Registered Dec. 14, 1948. GEO. D. BROWN & SON, INC., Chelan Falls, Wash., a corporation of Washington. Republished by registrant.



The outline of the label is disclaimed apart from the mark as shown.
FOR FRESH APPLES.
Claims use since 1920.

Reg. No. 442,398. Registered Apr. 5, 1949. HOWARD E. ROGERS, Los Angeles, Calif. Republished by registrant.
The words "Rogers for Quality" are disclaimed apart from the mark as shown.



FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.
Claims use since May 21, 1947.

CLASS 47

WINES

Reg. No. 333,438. Registered Mar. 24, 1936. CRESTA BLANCA WINE COMPANY, Livermore and San Francisco, Calif. Republished by Cresta Blanca Wine Company, Inc., a corporation of Delaware, assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

SOUVENIR

FOR WINES.
Claims use since Apr. 30, 1887.

Reg. No. 355,025. Registered Mar. 8, 1938. LEKAS & DRIVAS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Eléndi

FOR WINES.
Claims use since April 1935 .

Reg. No. 355,027. Registered Mar. 8, 1938. LEKAS & DRIVAS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

EVI EVAN



FOR WINES.
Claims use since June 5, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 303,089. Registered May 9, 1933. THE DRAMBUIE LIQUEUR COY 1927 LIMITED, Edinburgh, Scotland. Republished by Drambuie Liqueur Company Limited, Edinburgh, Scotland, a corporation incorporated under the laws of Scotland.

DRAMBUIE

FOR DISTILLED ALCOHOLIC LIQUEUR.
Claims use since about August 1871.

Reg. No. 321,100. Registered Jan. 15, 1935. SOUTHARD & Co. LIMITED, London, England, and Glasgow, Scotland. Republished by Glen Rossi Distillers, Ltd., London, England, a corporation of Great Britain.



All the wording with the exception of "Glen Rossi" and applicant's name is disclaimed apart from the mark as shown.
FOR SCOTCH WHISKEY.
Claims use since Dec. 30, 1914.

Reg. No. 361,696. Registered Oct. 25, 1938. MCKESSON & ROBBINS, INC., New York, N. Y. Republished by The Drambuie Liqueur Company Limited, Edinburgh, Scotland, a corporation incorporated under the laws of Scotland.



FOR SCOTCH WHISKY.
Claims use since 1919.

Reg. No. 410,523. Registered Nov. 28, 1944. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y., a corporation of Virginia. Republished by registrant.

GREAT OAK

FOR WHISKEY.
Claims use since Apr. 29, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 344,376. Registered Mar. 23, 1937. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., a corporation of Connecticut. Republished by registrant.



FOR SIGNS, MECHANICAL OR STRUCTURAL, NON-ELECTRIC TRAFFIC AND STREET SIGNS, DIRECTIONAL SIGNS, NEON-SIGNS, THEFT PLATE SIGNS, BADGES, MEDALS, PINS, AND BUTTONS MADE OF BASE METAL.
Claims use since 1910.

Reg. No. 389,202. Registered July 29, 1941. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

SCOTCHLITE

FOR LIGHT REFLECTING MATERIAL IN SHEET FORM.
Claims use since Dec. 1, 1939.

Reg. No. 402,777. Registered Aug. 10, 1943. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

Moor Mans

FOR WATERERS AND FEEDERS FOR POULTRY AND FARM ANIMALS.
Claims use since 1918.

Reg. No. 428,381. Registered Mar. 25, 1947. MINNESOTA MINING AND MANUFACTURING COMPANY, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

SPHEREKOTE

FOR TYMPAN COVERS AND SHEETS COMPRISING A CLOTH, PAPER, OR OTHER SHEET MATERIAL TO WHICH IS BONDED ROUNDED OR SPHERICAL BODIES OR PROTUBERANCES, SAID SHEETS BEING USED: AS A PRINTING ACCESSORY, TO PREVENT OFF-SET, TO PREVENT THE BUILDING UP OF STATIC CHARGES OF ELECTRICITY, TO GIVE A HARD SURFACE TO PRINT AGAINST OR TO PERFORATE AGAINST, AND THE LIKE; AS A COVER FOR IDLER ROLLS; AS PADS FOR ABRASIVE BELT SANDING MACHINES, AS COVERS ON MACHINES FOR COATING SHEETS OR FILMS TO PREVENT STATIC ACCUMULATION; AS A SLIDE BETWEEN A MACHINE AND TABLE TO PREVENT FRICTION AND TO REDUCE STATIC CHARGES; TO COVER RACK STICKS TO PREVENT TRANSFERRING OF COATING MATERIALS DURING FESTOONING OR DRYING OF COATED OR SHEETED PRODUCTS, AND FOR ANALOGOUS AND OTHER USES.
Claims use since at least April 1943.

REISSUES

SEPTEMBER 6, 1949

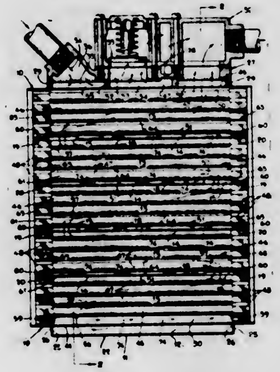
23,144

COOLER FOR VISCOUS LIQUIDS

Soren K. Andersen, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California

Original No. 2,449,922, dated September 21, 1948, Serial No. 582,080, March 10, 1945. Application for reissue March 24, 1949, Serial No. 83,231

15 Claims. (Cl. 257—128)



13. A heat exchange unit of the class described comprising a supporting-shell, means defining a warm-up chamber, baffle-means arranged in said shell axially thereof with the opening in one baffle-means located at the opposite end from that in adjacent baffle-means whereby the interior of said shell is formed into a tortuous fluid-flow passage extending axially of said shell with one side of said passage contiguous to said warm-up chamber, a bundle of open-ended tubes disposed in rows parallel to said baffle means and uniformly spaced apart between adjacent baffle-means so as to establish a predetermined resistance to fluid flow through said tortuous shell passage, and means spacing a row of said tubes along one or more of said baffle-means away from the respective baffle-means a distance greater than the otherwise uniform spacing of said rows of tubes whereby the resistance to fluid flow adjacent said baffle-means is less than that established by said uniform spacing of said tubes between adjacent baffles.

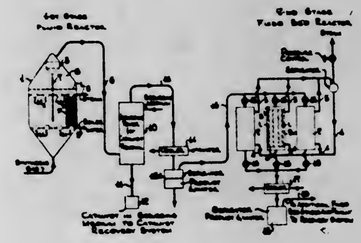
23,145

TWO-STAGE SYNTHESIS OF HYDROCARBONS

Frank T. Barr, Summit, and Walter G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Original No. 2,434,537, dated January 13, 1948, Serial No. 568,514, December 16, 1944. Application for reissue January 12, 1949, Serial No. 70,566

13 Claims. (Cl. 260—449.6)



1. In the process of synthesizing hydrocarbons, including hydrocarbon oils, by contacting carbon monoxide and hydrogen properly stoichiometrically proportioned at elevated temperatures and pressures with a catalyst, the improvement which comprises effecting rigid temperature control by first suspending catalyst in the synthesis gases to form a dense suspension, maintaining said suspension at conversion temperature and under conversion pressure and limiting the time of contact of said gases with said catalyst in said suspension so that hydrocarbons which are liquid at the operating conditions are not formed in substantial amounts while effecting a substantial conversion of said carbon monoxide to hydrocarbons but not more than about 60% of the amount possible under the reaction conditions, withdrawing residual synthesis gases from said suspension and discharging them into a zone containing at least one stationary bed of catalyst maintained at reaction temperature and under reaction pressure, holding said synthesis gases in contact with said stationary bed of catalyst for a sufficient period of time to convert additional amounts of carbon monoxide into normally liquid products and recovering said normally liquid products from the second reaction zone.

PLANT PATENTS

GRANTED SEPTEMBER 6, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

870

HYBRID TEA ROSE PLANT

Clarence A. Chase, Eugene, Oreg., assignor to Chase Gardens, Eugene, Oreg., a partnership.

Application August 20, 1947, Serial No. 769,729

1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, substantially as herein disclosed, characterized particularly by its vigorous growth; its strong stiff stems and peduncle; its very large and dark foliage of heavy substance; the large size of its bud; and the production of good quality blooms combining large size, full petalage, substantial texture, high-centered loose form, velvety aspect, and rich dark red color which does not blue with age.

871

CHRYSANTHEMUM PLANT

Emil Prushek, Niles, Mich., assignor to The R. M. Kellogg Company, Three Rivers, Mich., a corporation of Michigan

Application November 28, 1947, Serial No. 788,743

1 Claim. (Cl. 47—60)

A new and distinct variety of crysanthemum plant characterized as to novelty by its dwarf, compact growth, its early flowering, its long blooming season, the long color life of its blooms, its resistance to frost, and the purple color of its flowers, substantially as described and illustrated.

PATENTS

GRANTED SEPTEMBER 6, 1949

2,480,821

DISTRIBUTION OF WATER-DISPERSIBLE MATERIAL THROUGHOUT THERMOPLASTIC POLYMERS

John Abeln Connell, Paterson, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1948, Serial No. 4,208

11 Claims. (Cl. 260—41)

1. Process of distributing a water-disperable material uniformly throughout a water-insoluble thermoplastic polymer, said water-dispersible material being inert with respect to said polymer, which comprises dispersing said water-dispersible material in water in the presence of a dispersing agent, mixing the resulting aqueous dispersion with said thermoplastic polymer in granular form of particle size between 0.1 mm. and 2 mm., in a proportion such that the total water content amounts to 0.15% to 0.9% by weight of said polymer, and then masticating said resulting mixture at a temperature at least as high as the flow temperature of said polymer until said mixture is colloided.

2,480,822

ORGANO SUBSTITUTED SILICON POLYMERS AND METHOD OF MAKING THEM

James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application May 27, 1946, Serial No. 672,695

2 Claims. (Cl. 260—448.2)

1. A liquid copolymeric siloxane of the type

$$(CH_3)_3\left[\begin{matrix}R'\\ SiO\\ R'\end{matrix}\right]_n Si(CH_3)_3$$

where R' is an alkenyl radical and n has an average value such that the ratio of hydrocarbon radicals to silicon atoms is more than 2 and less than 3.

2,480,823

PREPARATION OF METAL DERIVATIVES OF ORGANIC COMPOUNDS CONTAINING A REPLACEABLE HYDROGEN

John R. Morris, Lawrenceville, Ill., and Joseph E. Fields, Dayton, Ohio, assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 23, 1947, Serial No. 743,462

9 Claims. (Cl. 252—42.7)

1. A method of preparing a metal derivative of an organic compound which comprises reacting a solution in an organic solvent of an organic compound containing at least one radical selected from the group consisting of —OH and —SH with a solution of an inorganic metal salt in liquid ammonia, said inorganic metal salt being selected from the group consisting of the salts of tin, lead, iron, antimony, bismuth and arsenic which are soluble in liquid ammonia, said organic solvent being immiscible with liquid ammonia, and the resultant metal derivative of the organic compound being preferentially soluble in said organic solvent and recoverable as a solution in said solvent.

2,480,824

COATING COMPOSITION AND PROCESS OF APPLYING SAME

Clyde G. Murphy, Parlin, and John P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 23, 1946, Serial No. 685,786

8 Claims. (Cl. 117—6)

6. The process of packaging which comprises applying a strippable plastic webbing composition to the article to be packaged and applying a strippable topcoat composition thereover, said webbing composition comprising a mixture of 1.4–10 parts of polyvinyl butyral resin to 1 part of polyvinyl acetate resin, 5–25% of a compatible plasticizer based on the weight of the resin mixture, 10–40% of a rust-inhibiting oil based on the weight of the resin mixture, and a solvent composition containing at least two solvents, 70–30% of the solvent composition having an evaporation rate equal to that of acetone, and 30–70% having an evaporation rate equal to that of ethyl alcohol.

2,480,825

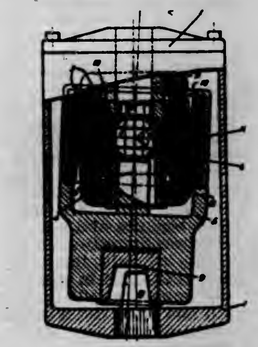
ELECTRIC VIBRATION MOTOR

Friedrich Adolph, Ljungby, Sweden, assignor, by mesne assignments, to Vibro-Plus Corporation, New York, N. Y., a corporation of Delaware

Application June 23, 1947, Serial No. 756,473

In Sweden June 29, 1945

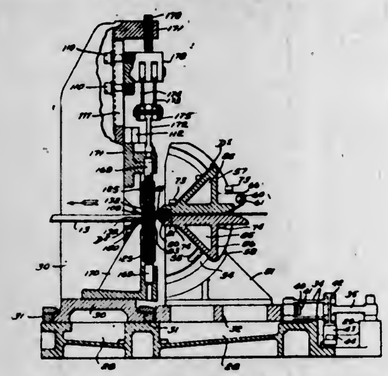
3 Claims. (Cl. 172—36)



1. An electric vibration motor comprising a frame, a stator and a rotor, said stator being rigidly connected to the motor frame, the rotor being rotatably and swingably journalled in said motor frame; a surface of revolution rigidly connected to the motor frame and limiting the outward swing of the rotor, said rotor having a surface of revolution which in said extreme outward position of the rotor will contact the surface of revolution rigidly connected to the motor frame and roll on said surface when the rotor is spinning, said rotor thereby moving as a conical pendulum; the diameters of the respective surfaces of revolution having such a ratio that the conical pendulum movements of the rotor are

by planetary action converted into vibrations of a higher frequency than the number of revolutions of said rotor.

2,480,826
APPARATUS FOR WORKING SHEET METAL
Frohman Anderson, Brooklyn, N. Y.
Application February 19, 1942, Serial No. 431,528
32 Claims. (Cl. 153—2)

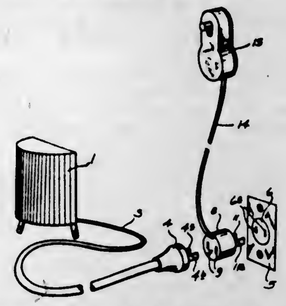


1. In a sheet metal working apparatus for imparting transverse and longitudinal curvatures to a sheet, a pair of slotted dies through which the sheet is successively pulled and which have each a working edge, the said working edges being of substantially different longitudinal contour and disposed in stepped relation with respect to the movement of the sheet and arranged to direct the sheet as it is pulled through the dies so that the sheet is successively engaged on opposite faces by the working edges and is abruptly bent over the working edges first in one direction and then in the reverse direction and retarding means operative to engage the sheet ahead of the dies and impose a drag upon it, whereby the sheet is differentially stretched throughout its width as it is pulled through the dies.

31. Apparatus for shaping sheet metal comprising, in combination with means for pulling the sheet edgewise, two die members with an opposing complementary guide block for each die member together forming a pair of die throats including working edges therein of different contour disposed transversely of the movement of the sheet in parallel planes and adapted to permit a sheet to be drawn therethrough and at least one of which throats is longitudinally curved, the said throats being positioned in stepped relation to each other and one of the die members being adjustable toward and from the transverse plane including the other die member, and means to effect said adjustment.

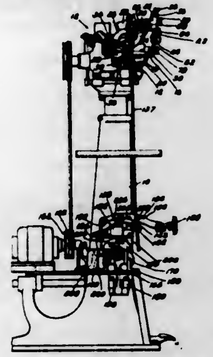
2,480,827
DETACHABLE THERMOSTAT SYSTEM
Charles E. Armstrong, Portland, Oreg., assignor to Electric Controls, Inc., Portland, Oreg., a corporation of Oregon
Application December 8, 1947, Serial No. 790,243
1 Claim. (Cl. 219—20)

The combination with an electrical radiant space heating device and its supply of electrical energy, said heating device having an electrical connection with a detachable plug-in terminal, of a separable plug arranged intermediate said detachable plug-in terminal and the electrical supply and in series therewith, said separable plug comprising two spaced pairs of terminals for joining electrically said supply and the detachable plug-in terminal of said heating element, electrical connections in said plug for joining said pairs of terminals in parallel, and a distant heat-responsive electrical make-and-



break joined in series by a flexible cord carrying wires of substantial length with one of the electrical connections joining a connected pair of spaced terminals in said separable plug, whereby the effective heat, at a selected distant point, given off from said heater may be controlled by making and breaking the electrical supply to said heater.

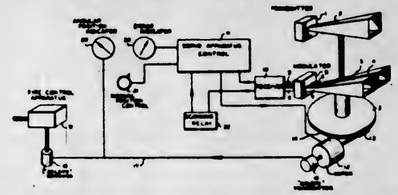
2,480,828
ROUGH ROUNDING MACHINE
Corwin W. Baker, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 29, 1947, Serial No. 794,258
10 Claims. (Cl. 12—18)



10. In a rounding machine, with a rounding tool, a guide for positioning a shoe relatively to the tool, said guide being mounted for movement into and out of operative position, said guide also being mounted to rotate about an axis with respect to which its work engaging surface is eccentric, and a latch for releasably holding said guide against rotation about said axis, in combination, power operated mechanism for operating said guide comprising a cam having rising and falling slopes and a concentric face between said slopes, said cam being operable in successive stages to cause said guide to be advanced into operative position, held therein, and retracted therefrom by said rising slope, concentric face, and falling slope respectively, operating means for said latch,

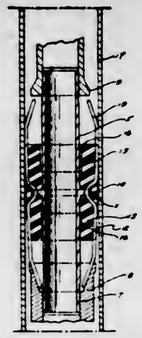
a member carried by said cam for actuating said latch operating means while said guide is held in its operative position, operator controlled means for starting each stage of operation of said cam, and means for stopping the operation of said cam at the end of each stage thereof.

2,480,829
RADIO DIRECTION INDICATING APPARATUS
Wilmer L. Barrow, Concord, Mass., and Daniel S. Pensyl, Great Neck, and Walter W. Micher, Mineola, N. Y., assignors, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application January 29, 1942, Serial No. 428,698
27 Claims. (Cl. 343—7)



1. In a radio actuated target locator, in combination, means for receiving a radio wave transmitted from a target including a plurality of directional receiving antennae having overlapping directional receiving patterns, means for orienting the receiving pattern of at least one of said antennae relative to the direction of reception of said wave, mechanical means for producing a distinctive modulation of the output of each of said antennae, a radio receiver receiving a combination of said several modulated antennae outputs and including means for demodulating the combination whereby the receiver has a low frequency wave output having a phase determined by said combination, means for converting said low frequency wave into a quantity varying smoothly in magnitude and sense with the magnitude and phase of said low frequency wave, and means for controlling said orienting means by said quantity.

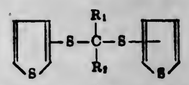
2,480,830
WELL SWAB
Ivan C. Bell, Dallas, Tex.; Emily Spiller Bell executrix of said Ivan C. Bell, deceased
Application April 24, 1947, Serial No. 743,523
8 Claims. (Cl. 309—4)



1. A swab including, a mandrel, a cup of elastic material bonded on and encircling the mandrel, a plurality of resilient reinforcing members embedded in the cup and having their ends projecting beyond said cup, and means confining one of the ends of the resilient members for urging the opposite unconfined ends thereof outwardly so as to expand the adjacent end portion of said cup.

2,480,831
THIENYL MERCAPTALS AND MERCAPTOLS IN LUBRICATING COMPOSITIONS
John W. Brooks, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 26, 1947, Serial No. 788,230
12 Claims. (Cl. 252—45)

3. An improved mineral oil composition comprising a major proportion of mineral oil and in admixture therewith a minor proportion, less than about 10 per cent by weight but sufficient to stabilize said oil against the deleterious effects of oxidation, of a compound having the general formula:

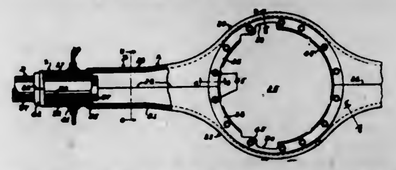


where R_1 is a substituent selected from the group consisting of hydrogen and an alkyl, aryl, aralkyl, and heterocyclic group; and R_2 is a substituent selected from the group consisting of alkyl, aryl, aralkyl, and heterocyclic groups.

2,480,832
3-THIENYL THIOETHERS IN LUBRICATING COMPOSITIONS
John W. Brooks, Wenonah, and Sigmund J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 13, 1947, Serial No. 791,652
9 Claims. (Cl. 252—45)

1. An improved mineral oil composition comprising a major proportion of mineral oil and in admixture therewith a minor proportion, less than about 10 per cent by weight but sufficient to stabilize said oil against the deleterious effects of oxidation, of a compound selected from the group consisting of alkyl, aryl, alicyclic, and aralkyl-3-thienyl thioethers.

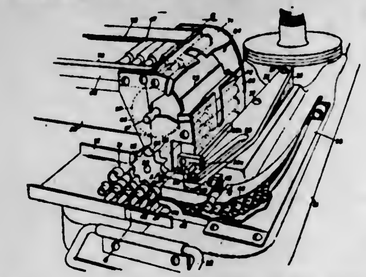
2,480,833
AXLE HOUSING
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 2, 1944, Serial No. 552,507
9 Claims. (Cl. 74—607)



1. A metal axle housing member comprising a central arcuate body section and sections extending laterally in opposite directions from said body section, each of said laterally extending sections being of general rectangular form in cross-sec-

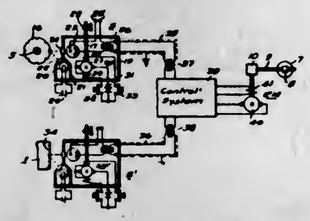
tion and including a forged spring seat portion having substantially square corner regions of greater thickness than the angularly related walls thereof and containing metal displaced thereinto during said forging, and each said laterally extending section also including an intermediate connecting portion between said body section and the spring seat portion having walls and rounded corners of substantially uniform thickness.

2,480,824
CARTRIDGE BELTING MACHINE
Arthur L. Bureau, United States Navy
Application March 12, 1946, Serial No. 653,929
6 Claims. (Cl. 86—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



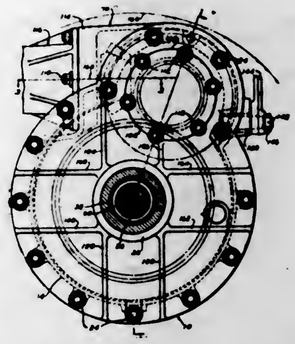
3. In a loader, a pair of chutes for containing dissimilar articles and converging toward a common delivery point for said articles, means operating at regular periods to unite said articles into a lengthening chain, an article conveyor coacting with one of the chutes, and means connected between the conveyor and the article chain, said means including a member riding upon the chain and responding to its step motions due to lengthening, to operate the conveyor with a step motion.

2,480,835
PHOTOELECTRIC CONTROL APPARATUS
Stephen L. Burgwin, Forest Hills, and Francis T. Bailey, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1946, Serial No. 715,300
10 Claims. (Cl. 250—41.5)



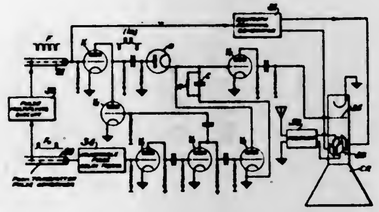
1. A photoelectric control unit, comprising a support, a light source and a phototube mounted on said support for illumination of said tube by reflected light from said source, adjusting means disposed on said support for displacing said support relative to a stationary reference, and a reversible motor mounted on said support in driving relation with said adjusting means for actuating the latter.

2,480,836
VEHICLE DRIVE AXLE
Lawrence R. Buchendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application October 5, 1944, Serial No. 557,217
7 Claims. (Cl. 74—327)



1. In a vehicle drive axle, an axle housing adapted to extend transversely of the vehicle and having an enlarged intermediate portion, differential axle shaft driving means journaled in said enlarged housing portion on a substantially horizontal axis extending transversely of said vehicle, a cross shaft mounted on said enlarged housing portion with its axis in a horizontal plane parallel to and above the txis of said differential, a pinion shaft rotatably mounted in said enlarged housing portion above the level of the axis of said differential and extending at an angle to said cross shaft, and gearing within said enlarged housing portion providing a double reduction selective two speed drive between said pinion shaft and said differential means, the axis of said cross shaft being disposed on the opposite side of a vertical plane containing the axis of said differential means from said pinion shaft mounting.

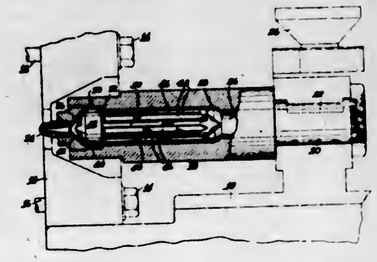
2,480,837
SCANNING DEVICE FOR CATHODE-RAY OSCILLOGRAPHS
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1943, Serial No. 476,407
In France March 30, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 30, 1960
8 Claims. (Cl. 315—22)



1. A cathode ray indicator comprising a cathode ray generator and a cooperating screen, means for deflecting the ray in one direction in response

to spaced impulses occurring periodically, means to produce impulses at a period which is a multiple of the period of said spaced impulses, means to produce saw tooth waves at the period of said multiple impulses, means for causing said saw tooth waves to deflect the ray in another direction, means to derive impulses from said first mentioned spaced impulses which are of an opposite polarity from said multiple impulses but are of the same magnitude, means to combine said multiple impulses with said derived impulses, means to adjust the phase of said derived impulses so that any one series of said multiple impulses corresponding in time with said derived impulses will be canceled out by said derived impulses, and means to cause the remaining of said multiple impulses to suppress the ray during the period of time including the first and last impulse of any group of said multiple impulses whereby said ray will be moved across said screen in a predetermined fraction of the period of the first mentioned spaced impulses.

2,480,838
HEATING CYLINDER FOR INJECTION MOLDING MACHINES
Ladger J. Caron, Leominster, Mass., assignor to Leominster Tool Company, Inc., Leominster, Mass., a corporation of Massachusetts
Application July 19, 1946, Serial No. 684,866
2 Claims. (Cl. 18—30)



1. Device of the class described comprising a cylinder, a nozzle at one end thereof, said cylinder being provided with a molding material ingress at the opposite end, a tapered elongated separator between the nozzle and ingress, a plurality of fins extending along the separator and forming relatively narrow tapering grooves therebetween, a flange at the nozzle end of the separator, said fins and grooves terminating at the flange, said flange having apertures therethrough communicating with the nozzle, the grooves tapering down to a minimum at the flange.

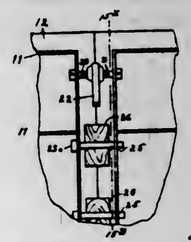
2,480,839
ALKALINE PRIMARY CELL
Arthur F. Daniel, Fair Haven, N. J., assignor to the United States of America as represented by the Secretary of War
Application December 3, 1945, Serial No. 632,586
4 Claims. (Cl. 136—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. In a cylindrical dry cell: a central, porous, electrically conductive cup of electro-chemically inert material adapted to be filled with electrolyte and to allow the same to permeate its wall; a depolarizing porous cathode around the central, porous cup; a porous barrier around the cathode; a porous, non-conducting, non-metallic, electrolyte-absorbent material around the barrier; and



a porous zinc anode around the electrolyte-absorbent material, said anode being a single body of coherent zinc particles.

2,480,840
FORM FOR BUILDING CONCRETE STRUCTURES
Charles M. Dicus, Waynesville, N. C.
Application March 19, 1946, Serial No. 655,578
2 Claims. (Cl. 25—131)

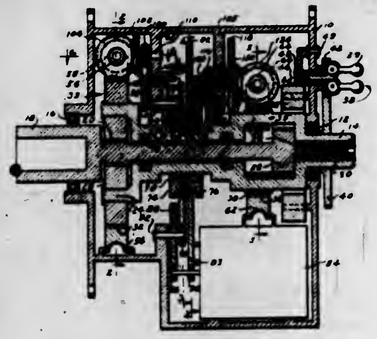


1. Forms for use in building false work forming molds for concrete structures composed of a plurality of thin rectangular panels each having exterior reinforcing ribs extending outwardly parallel to their edges and spaced inwardly therefrom to provide free marginal areas, said ribs being provided with alined perforations, strain bolts extending through certain of said perforations, a cam lever embracing the contiguous ends of said bolts serving to draw adjacent panels together and arranged to engage across the parting line of the meeting edges of two panels to hold said edges in parallelism.

2,480,841
CONSTANT OR VARIABLE-SPEED DRIVE
Joseph H. Egy, Springfield, Ohio
Application April 10, 1946, Serial No. 661,036
14 Claims. (Cl. 74—675)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

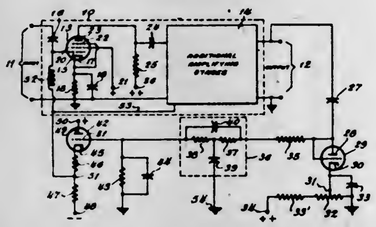
1. A variable ratio gear mechanism which comprises two relatively rotatable members, a planetary gear set which includes a power transmitting sun gear fast on one of said members, a power transmitting planet gear on the other of said members and a power transmitting reaction gear, and planetary control gearing which includes a sun control gear fast on the said other of said members, a planet control gear drivably

connected to the power transmitting reaction gear, a control reaction gear in mesh with said



planet control gear and means to control said control reaction gear.

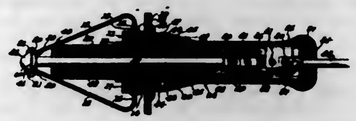
2,480,842
AUTOMATIC GAIN-CONTROL SYSTEM
Neil B. Farnsworth, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 6, 1945, Serial No. 581,243
7 Claims. (Cl. 179—171)



1. In combination, an amplifier having input and output terminals and including an electron tube having a control electrode, means for applying a modulated carrier wave to said input terminals, a rectifier connected to said output terminals, and a filter network connected between said rectifier and said control electrode, said network comprising a first branch including series resistive elements and a shunt capacitive element, and a second branch including a capacitive element connected in shunt with the first branch, the latter capacitive element being of such value as to eliminate substantially phase shift of the modulation envelope at the output of the filter network.

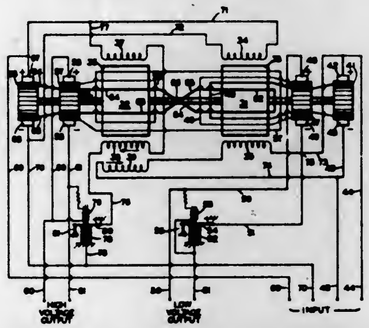
2,480,843
LOCKING PLUG AND JACK
Alvin C. Fellmer, Mercer Island, Wash.
Application January 30, 1948, Serial No. 5,477
6 Claims. (Cl. 173—332)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electrical coupling comprising a receptacle having a plug-receiving passage therein, inwardly convergent spring members at the inner end of the passage having a normal minimum spacing at their proximal parts, a plug having a head thereon transversely larger than said spacing and adapted to pass and receive the said proximal parts in locking engagement therebehind when the plug is inserted in the receptacle, a reciprocable cam member on the plug inwardly



of said head movable toward and from the head and constructed to cam said spring members apart at the proximal limit of movement of the cam, a longitudinally slidable handle surrounding the outer part of the plug, and motion reversing connections between the handle and the cam.

2,480,844
DYNAMOELECTRIC MACHINE
Kenneth H. Fox, Red Bank, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 28, 1946, Serial No. 679,939
8 Claims. (Cl. 171—123)

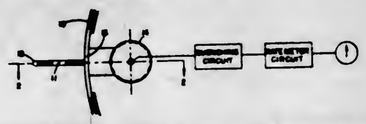


1. A dynamo-electric machine comprising in combination a stationary member and a rotatable member, said rotatable member being divided into a pair of magnetically substantially separate sections, a generator winding in both sections of said rotatable member, a first motor winding in one of said sections, a first commutator connected to said generator winding, a second commutator connected to the motor winding, said first and second commutators mounted at opposite ends of said rotatable member, a first field winding on said stationary member and cooperating with said one section of the rotatable member, a second field winding on said stationary member and cooperating with the second section of said rotatable member, a source of electrical energy for exciting said first field winding, input brushes cooperating with the second commutator for connecting said motor winding to said source of electrical energy, output brushes cooperating with said first commutator, means connecting said second field winding to said source of electrical energy, said connecting means including a regulator for said second field winding responsive to the voltage across said output brushes, the portion of said generator winding in said second section arranged in relation to the portion of said generator winding in the one section so as to supply an accumulative voltage to said output brushes, a compensating winding connected to said source of electrical energy and having an opposite polarity to that of said second field winding so as to differentially affect the magnetic flux of said second field winding in accordance with changes in the voltage of said source, a second motor winding in said one section, a third commutator mounted on said rotatable member and adjacent said first commutator, means connecting said second motor winding to said third commutator, input brushes cooperating with the third commutator for connecting said motor winding to said source of electrical energy, said connecting means extending from said third commutator through said second section to said second motor winding in such a manner that a voltage may be generated in said conductors of such a polarity as to augment the voltage applied to the second motor winding from said source.

2,480,845
ELECTROLYTIC REMOVAL OF RESIN FROM METAL
Max Frager and Hyman Iserson, Philadelphia, Pa.
No Drawing. Application March 14, 1947, Serial No. 734,844
6 Claims. (Cl. 204—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

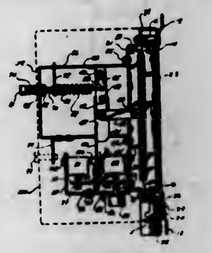
1. A method for removing from a metal surface cured thermosetting synthetic plastics in a substantially pure form consisting of unmodified heat reactive resins, which method consists of immersing the workpiece in an electrolytic bath consisting of 15 parts by weight of an alkaline metal hydroxide from the group consisting of sodium and potassium hydroxide and 85 parts by weight of water, and passing a direct current of from 13 to 27 amperes per square foot through said bath and through said workpiece at a temperature of from 200 to 220 degrees Fahrenheit.

2,480,846
ICE DETECTOR
Herbert Friedman, Arlington, Va., and Lester Welfe, Washington, D. C.
Application January 16, 1945, Serial No. 573,092
11 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An ice warning device for aircraft comprising a source of beta radiation, a Geiger-Muller tube and a rate meter circuit, said Geiger-Muller tube having a radiation permeable window made substantially flush with a surface of the aircraft subject to ice formation thereon, said source of beta radiation positioned in spaced relation to said window so that ice on said window will absorb radiation from said source and decrease the frequency of pulsing of the Geiger-Muller tube, and said meter circuit responsive to said frequency of pulsing to indicate the thickness of ice formed on the window.

2,480,847
DRAFT SWITCH
Arthur F. Geisel, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 5, 1946, Serial No. 674,543
4 Claims. (Cl. 200—83)



1. In a condition responsive switch, an operating member with two switch actuating arms oppositely extending therefrom, resilient mounting means attached to said operating member, differential adjusting means attached to one of said switch actuating arms, switching means adjacent each of said switch actuating arms, one of said switching means adapted to be actuated by one of said switch actuating arms upon movement of said operating member in one direction, the other of said switching means adapted to be actuated by the other of said switch actuating arms upon movement of said operating member in another direction, condition responsive means, moving means for moving said operating member when said condition responsive means responds to a change in condition, and adjustable resisting means resisting movement of said operating member by said moving means.

2,480,848
COLOR TELEVISION DEVICE
Charles Willard Geer, Long Beach, Calif.
Application July 11, 1944, Serial No. 544,284
40 Claims. (Cl. 250—164)

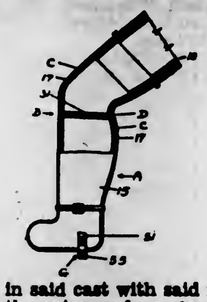


1. A television screen comprising: a translucent sheet provided on one side with a plurality of series of faces, the respective series being faced in different directions and adapted for impingement thereupon of electrons from different sources.

2,480,849
SURGICAL CAST
Morris Gersh and Alex Gersh, Highland, N. Y.
Application June 28, 1946, Serial No. 680,392
3 Claims. (Cl. 128—91)

1. In a detachable connection for a surgical cast, a strip provided with a continuous ridge portion of severable material, a plurality of spaced-apart leg portions extending downwardly from opposite sides of said ridge portion, and a foot portion extending outwardly from the lower

ends of at least some of said leg portions, the feet portions being constructed and arranged to



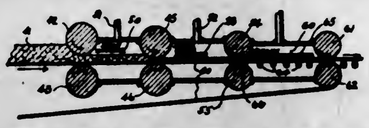
be imbedded in said cast with said ridge portion extending to the outer surface of said cast.

2,480,850
NONSPILL BATTERY PLUG
Leo Goldberg, United States Navy
Application June 5, 1944, Serial No. 538,715
2 Claims. (Cl. 277—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A non-spill vent plug comprising a hollow body member having a vent in the top thereof and a reduced lower portion adapted to be fitted into the opening of a battery cell cover, said reduced portion having a closable port therethrough, a valve adapted to close the port when the battery is tilted from its normal vertical position, a weight connected to and controlling the movement of the valve, and a conduit adapted to extend from the battery cell to the interior of the body member to permit the emission of gas evolved in the cell, said conduit having its discharge end pointing towards the weight and engageable therewith when the valve is in a closed position whereby the weight serves as a diffuser.

2,480,851
METHOD FOR RAPID MANUFACTURE OF SHEET LUMBER
Worth C. Goss, Seattle, Wash., assignor, by direct and mesne assignments, to United States Sheetwood Company, Seattle, Wash., a corporation of Delaware
Application February 5, 1947, Serial No. 726,480
6 Claims. (Cl. 18—47.5)

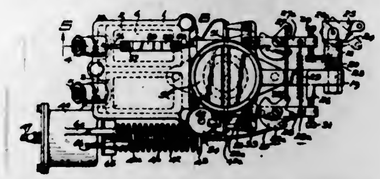


6. The method of manufacturing sheet products from a mixture of fibrous material and a heat setting thermo-plastic bonding agent, comprising forming a porous pad of said materials, enclosing the pad in a pressing chamber, applying high temperature steam to the chamber under pressure to effect the penetration and heating of the pad thereby, compressing the heated pad between press platens, while subjected to the heat of high pressure steam, then subjecting the pad to vacuum while retained under platen pressure to effect quick cooling and setting of the bonding agent.

2,480,852
PROPELLENT POWDERS
George C. Hale and Ludwig F. Audrieth, Dover, N. J.
No Drawing. Application March 10, 1947, Serial No. 733,717
5 Claims. (Cl. 52—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A propellent powder comprising nitrocellulose as the main explosive ingredient and a smaller proportion of 5-aminotetrazole in sufficient amount to impart flashless and smokeless characteristics to the powder.

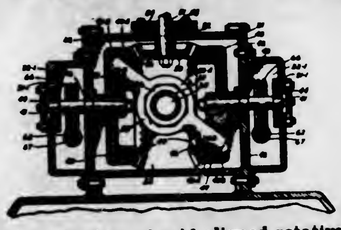
2,480,853
CARBURETOR
Edmund E. Hans, Detroit, Mich.
Application June 29, 1945, Serial No. 602,218
5 Claims. (Cl. 261—18)



1. A carburetor including a float chamber and a conduit defining an air flow pathway, said float chamber and conduit being connected by a fuel passageway, a valve in said passageway for controlling fuel flow therethrough, a bell crank lever pivotally affixed to said carburetor; a cam on the lever, an adjusting screw on the free end of one of the arms of said lever for adjusting the angular position of said bell crank lever, a valve actuating lever mounted on the other end of said bell crank lever having one end in engagement with the valve and the opposite end in engagement with the peripheral face of the cam, means responsive to fluctuations of air pressure in said air flow pathway for operating said cam and thus controlling said valve, and an abutment carried by said carburetor for said adjusting screw whereby a slight adjustment of said screw will effect a minute adjustment of the cam and valve actuating lever.

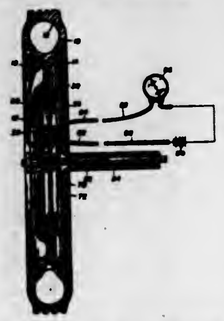
2,480,854
MOTION TRANSFORMING MECHANISM
James A. Hardman, Logan, Utah, assignor to Utah Scientific Research Foundation, Logan, Utah, a corporation of Utah
Application September 1, 1944, Serial No. 553,902
22 Claims. (Cl. 74—50)

1. Motion transforming mechanism comprising a reciprocable power-transmission element arranged for longitudinal rectilinear reciprocation; means mounting said element for reciprocation relative thereto respective reversely operable rotors mounted at opposite sides of said element on aligned rotative axes which, if elongated, intersect the element normal thereto and intermediate its length; a shuttle mounted on said element and fixed against longitudinal movement relative thereto, said shuttle having oppositely extending and rectilinearly aligned arms which articulatively connect for substantially universal movement with the respective rotors at locations thereof which are disposed remote from and at respec-



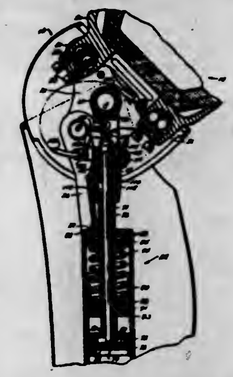
tively opposite sides of said aligned rotative axes so that reciprocative movement of said element and said shuttle and rotative movement of said rotors will be interdependent; and gearing rigidly interconnecting the said rotors whereby the lateral forces exerted on the reciprocating element are balanced.

2,480,855
TIRE PRESSURE INDICATING DEVICE
Merrel E. Hatcher, Richland, Wash., assignor of ten per cent to Alex Kulick, Richland, Wash.
Application January 16, 1947, Serial No. 722,438
1 Claim. (Cl. 201—48)



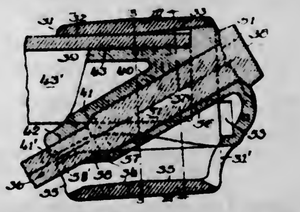
A pressure indicator for a vehicle pneumatic tire having a valve and valve stem, a wheel brake drum having an aperture therein and a stationary brake shoe plate, comprising; a tubular casing extending through the aperture provided in said brake drum, a coupling member on said valve stem, a flexible conduit terminally communicating with the bore in said casing and said coupling member, an inwardly axially extending portion in said coupling member to engage and depress said valve to its open position, a pressure responsive diaphragm in the bore of said casing, a sliding contact member secured to said diaphragm, a rheostat in said passage engaging said contact member, a first brush resiliently mounted on said brake drum, a first conductive wire operatively interconnecting said contact member and said first brush, a second brush resiliently mounted on said brake drum, a second conductive wire interconnecting said rheostat and said second brush, conducting rings carried by said stationary brake shoe in contact with said brushes, and further conductive wires extending from said rings and adapted to be secured to a gauge.

2,480,856
LEG PROSTHESIS
Ulrich K. Henschke and Hans A. Mauch, Dayton, Ohio
Application July 9, 1948, Serial No. 37,745
21 Claims. (Cl. 3—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A voluntarily controlled thigh prosthesis comprising a leg having a shank part including foot, and thigh parts consisting in an upper socketed element and a lower knee element, said knee element being connected by a knee joint with said shank part and said socketed thigh element being slightly turnable relative to said knee element about a transverse axis which lies near the hip joint and more particularly in the area between the natural hip joint and the tuber of the ischium bone of the wearer; and a controllable knee brake, said knee brake being associated by mechanical means with said knee element and said shank part, and means by which said relative turnable movements between said socket thigh elements and said knee element are operative to control said knee brake.

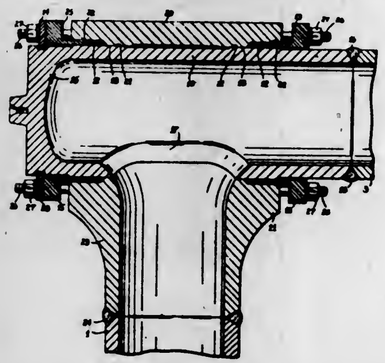
2,480,857
WEDGE-LOCK BRAKE BEAM
Walter F. Hess, Chicago, Ill.
Application February 17, 1947, Serial No. 729,078
15 Claims. (Cl. 188—223.6)



1. In a truss type brake-beam comprising a webbed shaped compression member of predetermined camber and brake-heads mounted thereon: a brake-head having an integral tubular member adapted to embrace either end of said compression member, the back and front sides of said tubular member each being formed of two contiguous surfaces whose planes are conversely disposed in an obtuse angle equal to angle of said

camber and whose diagonally opposed surfaces are parallel; and the near back wall, and the far back wall surface of said brake-heads respectively mating the upper surface of said compression member with near and far mounting thereon by said brake-heads.

2,480,858
PIPE HINGE
James Clarence Hobbs, Painesville, Ohio
Application July 13, 1945, Serial No. 604,859
2 Claims. (Cl. 285—96.3)



1. Means for connecting two pipes for limited relative movement to compensate for expansion and contraction due to high pressure, high temperature fluid flow therethrough, comprising an elbow-like coupling consisting of a pipe having an opening in its side wall and annular bearing surfaces on its outer surface on opposite sides of said opening, a sleeve surrounding said pipe, said sleeve having a laterally extending projection with a single passage therein and having inner annular bearing surfaces closely engaging said bearing surfaces on said pipe, said opening and passage being in communication during relative rotation of the pipe and sleeve through an angle substantially less than 180°, packing pressing with fluid sealing contact on the pipe and sleeve axially outside of the interengagement of said bearing surfaces, and means providing for limited relative rotational movement, while preventing relative axial movement of said pipe and sleeve.

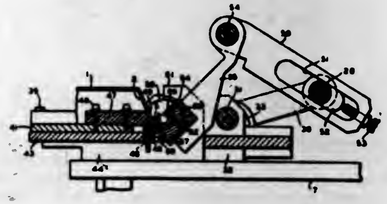
2,480,859
PREPARATION OF THIOETHER SULFONATES
Charles S. Hollander, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 18, 1947, Serial No. 742,459
6 Claims. (Cl. 260—513)

1. A process for preparing thioether sulfonates, which comprises reacting by heating together at 130° to 260° C. with evolution of water of reaction a mercaptan which boils above 125° C., which contains reactive hydrogen only in its sulfhydryl group, and which contains at least six carbon atoms, with an alkali metal isethionate,

$$HOCH_2CH_2SO_3M$$

wherein M represents an alkali metal, in the presence of an alkali hydroxide as a catalyst.

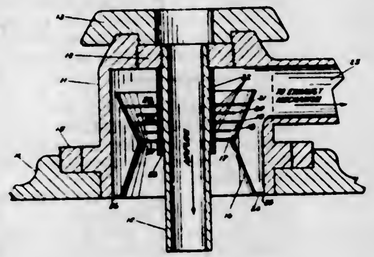
2,480,860
APPARATUS FOR BENDING A CURLED METAL EDGE AROUND A REINFORCING WIRE
Everett M. Hunt, Portsmouth, N. H.
Application June 30, 1945, Serial No. 602,637
6 Claims. (Cl. 153—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



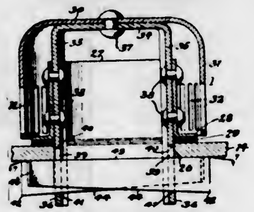
1. A metal forming machine for use on a metal section having a curled edge with a reinforcing wire disposed therein, comprising a structural framework including a shelf for supporting said curled edge, a supporting die for engaging the surface of the metal section opposite the curled edge, said die being movable relative to the edge of said shelf, a forming die disposed along the edge of said shelf, said supporting and forming dies being supported upon said structural framework, said forming die having a hook-shape forming edge along the side of an edge-receiving and forming channel which is formed therein, means for moving said supporting die towards the edge of said shelf, said moving being operative to bring the curled edge into association with said forming die, means for rotating said forming die towards said supporting die, and means operative during the rotation of said forming die to cause the hook-shape forming edge thereof to swing towards and engage said curled edge and to draw it into said channel as it bends it around the wire, means including the movement of said supporting die for pushing said curled edge off said shelf, said curled edge being drawn into said channel before said curled edge is pushed off said shelf.

2,480,861
BATTERY FILLING AND VENTILATING SYSTEM
Leonard A. Jaworski, Philadelphia, and John Clutcher, Upper Darby, Pa.
Application January 15, 1946, Serial No. 641,374
3 Claims. (Cl. 136—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination a storage battery and a battery filling and ventilating unit comprising an opening within the top of the battery, a raised cover and a barrel fitted over said opening, a filling tube disposed vertically within and passing through the top of the barrel, a perforated centering ring circumscribing the filling tube, a baffle supported by said ring on said tube interior said barrel, said baffle being shaped similarly to an hour glass and centered about the filling tube at the restricted portion by the centering ring and having a nether flanged portion, a series of circular baffles with staggered openings spaced above the restricted portion of the baffle and surrounding the filling tube, a series of drip openings in said flanged portion of said baffle, and an exhaust channel passing through an upper portion of the side of the barrel.

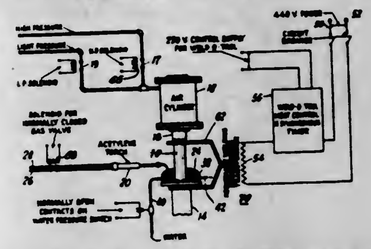


2,480,862
BUBBLE CAP ASSEMBLY FOR GAS OR VAPOR AND LIQUID CONTACT APPARATUS
Leon H. Johnson, Warren, Pa.
Application February 6, 1946, Serial No. 645,858
2 Claims. (Cl. 261—114)



1. In a bubble tower having a horizontal tray provided with a hole, the combination therewith of a bubble cap assembly comprising a vertically extending chimney having a continuous external flange at its lower end and supported on the upper surface of said tray around said hole, gasket means interposed between said flange and said tray and sealing the joint therebetween, a dome covering the upper end of said chimney and having a crown arranged above and in spaced relation to the upper end face of said chimney and a skirt depending from said crown and surrounding the upper portion of said chimney in spaced relation thereto, a U-shaped yoke having a cross bar secured to said crown and a pair of legs depending from said cross bar, said vertical legs engaging the inner surface of said chimney on opposite sides thereof and being secured thereto and projecting downwardly through said hole and terminating below the lower surface of said tray, and means arranged to fasten said legs to said tray and including a pair of oppositely arranged tapered wedges arranged side by side in vertically extending closed slots provided in said legs with the lower edges of the wider ends of said wedges engaging the lower ends of said slots and the upper edges of said wedges engaging said lower surface of said tray, the portion of the narrow end of each of said wedges projecting outwardly from the adjacent one of said legs being bent laterally thereby to prevent unintentional retrogression of said wedges.

2,480,863
WELDING APPARATUS
Howard J. Kerr, Westfield, N. J., Otis B. Carpenter and Frank W. Armstrong, Jr., Barberton, and Nicholas C. Jensen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New York
Original application March 21, 1944, Serial No. 527,432. Divided and this application March 27, 1946, Serial No. 657,424. In Great Britain April 3, 1945
8 Claims. (Cl. 219—4)



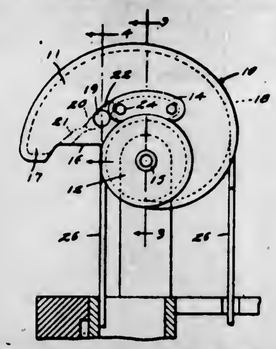
1. In welding apparatus, a workpiece holder maintaining a plurality of workpieces in operative relationship and under converging pressures, a fuel burner disposed around those parts of the held workpieces within the weld zone for preheating the metal of that zone, electric means applying resistance welding current to the workpieces while the fuel burner remains in its operative position, and means operable to increase the converging pressures on the workpieces during such resistance welding current application.

2,480,864
SPRING SUPPORT
Albert J. Loepsinger, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware
Application April 30, 1947, Serial No. 744,852
11 Claims. (Cl. 248—54)



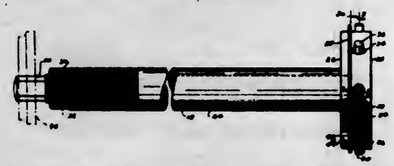
4. A spring support for a load of known value subject to displacement within a predetermined range, comprising a fixed element; a lever rotatable on said fixed element and having connection with the load; main spring means connected to the fixed element and to the said lever; the said load and the said main springs operating on the said lever in such manner that as the lever is rotated by displacement of the load the turning moment exerted on the lever by the main spring means increases or decreases as the force of the main spring means increases or decreases, respectively; and auxiliary spring means connected to said fixed element and to the lever for exerting a turning moment thereon to compensate for the variation in the turning moment exerted by the main spring means; the force of said auxiliary spring means acting along a line on one side of the pivot of said lever when the load moment exceeds the moment of the main spring means and acting along a line on the opposite side of the pivot of said lever when the load moment is less than the moment of the main spring means.

2,480,965
LEVERAGE PULLEY
Anders B. Lofstrand, Silver Spring, Md.
Original application August 19, 1943, Serial No. 499,271. Divided and this application August 14, 1946, Serial No. 690,584
4 Claims. (Cl. 74—517)



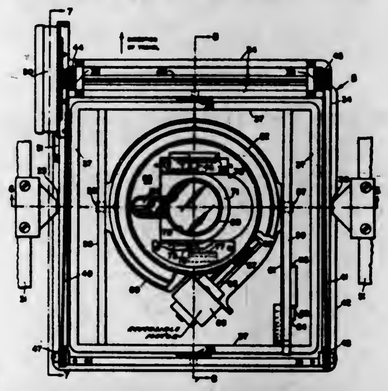
1. A leverage pulley comprising a plate of substantially spiral configuration having a groove in the outer edge thereof, an annular grooved pulley secured to one face of said plate, and a block secured to said plate and formed with a longitudinally curved grooved outer edge, said plate having an opening therethrough whereby a cable may be extended from the grooved outer edge of said block through said opening and into the groove of said plate.

2,480,966
SPLINE ALIGNING DEVICE FOR PROPELLERS OR THE LIKE
Rolland W. Lusk, Dayton, Ohio
Application December 31, 1947, Serial No. 794,852
2 Claims. (Cl. 81—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tool for engaging and rotating a hollow propeller shaft having a series of radial locking holes near the forward end, which comprises a shaft, a flange on one end of said shaft and a polygonal wrench engaging portion on the other end, a tubular member rotatable on said shaft, a flange on one end of said tubular member adjacent to the first said flange, a nut on said shaft abutting the other end of said tubular member adjustable for limiting axial play of said tubular member on said shaft, a disc interposed between the two said flanges of larger diameter than said flanges, a series of radial plungers axially slidable in openings in the first said flange, springs in said openings urging said plungers radially outward, plunger operating pins parallel with the shaft axis and having the one end secured in transverse openings in the plungers and the other end extending through radial slots in the side of the first said flange, through said disc and into camming openings in the second said disc, the radial slots being formed to fit said pins closely to prevent rotation of said plungers in their openings and limit their radial movement, and said camming openings being formed to force said plungers radially inward against the resistance of said springs upon relative rotative movement between said tubular member and said shaft.

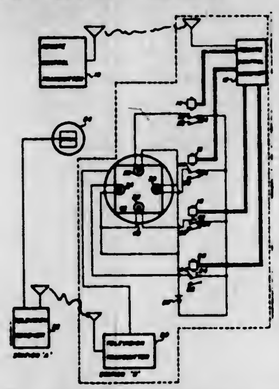
2,480,967
AIRCRAFT INSTRUMENT
Harry B. Maris, Riverdale, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application July 24, 1943, Serial No. 495,994
12 Claims. (Cl. 33—46.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In a device of the character described, an outer gimbal frame, means adapted to be carried by an airplane for pivotally supporting the outer gimbal frame for swinging movement about an axis in the normally horizontal plane of the airplane and transversely thereof, a weight, means normal to the outer gimbal frame for guiding the weight toward and away from said frame, an inner gimbal frame, means pivotally supporting the inner gimbal frame in neutral, balanced equilibrium for swinging movement about an axis normal to the pivotal axis of said outer gimbal frame, said inner gimbal frame provided with a guideway having a point tangent to an arc whose center lies on the pivotal axis of said inner gimbal frame, said guideway normally extending horizontally and parallel to said transversely extending axis, an element movable with said weight and slidable along said guideway, resilient means carried by the outer gimbal frame for normally supporting the weight against movement relative to the outer gimbal frame with said element aligning with said tangent point and with said resilient means normally strained by said weight a distance substantially equal to the distance between said longitudinal axis and said tangent point.

10. In a sight adapted to be maintained in a level position in an airplane, a supporting frame, a support, means carried by the frame for pivotally securing the support relative to the frame for swinging movement about an axis transversely of the direction of travel of the airplane, means for fixing the support relative to the frame in any one of a plurality of angularly adjusted positions about said transverse axis, a carriage, means securing the carriage to said support for rotation about an axis normal to said transverse axis, a lens holder, means mounting the lens holder in said carriage for lateral movement transversely of said carriage, a screen provided with circular delineations defining arcuate segmental areas constituting image paths of ground objects during curved balanced flight of the airplane, said paths terminating at one end in a point centrally of the screen, means securing the screen to said support and so positioned above the lens holder as to display images of ground objects in said arcuate segmental areas, and means for indicating the relative position of said screen with respect to said lens holder.

2,480,968
GUIDED MISSILE CONTROL SYSTEM
Charles J. Marshall, Dayton, Ohio
Application August 28, 1945, Serial No. 613,198
2 Claims. (Cl. 178—6.8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An indicator system for use with remote control equipment comprising a television transmitter including an "Iconoscope" with a mosaic screen, a television receiver including a viewing screen, a remote control transmitter, a remote control receiver, at least four relays having first and second sets of contacts, each of said relays being adapted to close its contacts upon the receipt of a predetermined signal from said remote control receiver, at least four lamps, means whereby each of said relays causes a different lamp to be illuminated when the contacts of said relay are closed, and means for causing the light from each of said lamps to be focused on a separate predetermined spot on a mosaic screen in said television transmitter, said spots of light thereby indicating on the viewing screen of said television receiver the relays that are closed.

2,480,969
SEED FOR PRODUCTION OF TITANIUM DIOXIDE AND PROCESS OF MAKING SAME
Max J. Mayer, Scarsdale, N. Y.
No Drawing. Application December 30, 1943, Serial No. 516,212
19 Claims. (Cl. 23—202)

1. In a process of making a rutile inducing seed for use in hydrolysis of hydrolyzable titanium salt solutions, heating at a temperature from 70° C. to boiling a dispersion containing a stabilizer which on calcination volatilizes before the temperature reaches 950° C. and has polyvalent anions and a member of the class consisting of the monobasic-acid salts of the metals of the fourth group and the orthohydrates of the metals of the fourth group peptized with a mono-basic acid, the monobasic-acid referred to in said class being 1 to 2.2 mols per mol of the metal of the fourth group and the amount of stabilizer being 4 to 55 millimols per mol of the metal of the fourth group, said heating being carried out until curing is effected, and then rapidly cooling below 60° C.

2,480,970
AUTOMATIC HETERODYNE ELIMINATOR
James L. A. McLaughlin, La Jolla, Calif.
Application August 5, 1946, Serial No. 688,493
14 Claims. (Cl. 250—20)

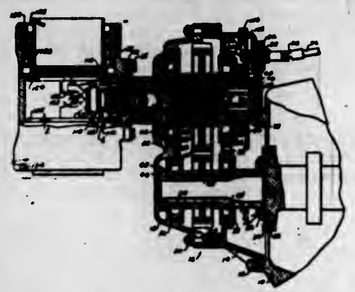


2. Radio receiving apparatus of the character described adapted to eliminate an undesired signal closely adjacent a desired signal having upper and lower sidebands associated therewith, including: means for providing a converted desired signal of a predetermined frequency having converted sidebands; means for providing two separate waves of fixed frequencies, one having a frequency equal to said predetermined frequency plus a certain frequency and the other having a frequency equal to said predetermined frequency less said certain frequency, whereby heterodyning of said waves with the converted desired signal changes its frequency to the same frequency in both cases while changing that of the converted undesired signal to different frequencies; and apparatus automatically operable in response to said converted undesired signal for selecting one of said waves to heterodyne with the converted desired signal and for eliminating the changed undesired signal while retaining the changed desired signal.

2,480,971
VARIABLE PITCH PROPELLER
Howard M. McCoy, Elmira, N. Y.
Application April 9, 1945, Serial No. 587,419
4 Claims. (Cl. 170—135.75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

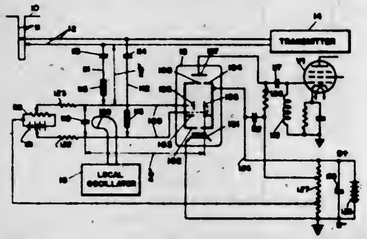
4. The combination of a pitch changing mechanism and speed changing gearing for the propeller of an aircraft engine, which comprises a housing attached to the nose of said engine, a driving shaft in said housing, a driving gear fast on said driving shaft, a hollow propeller shaft in said housing having its axis parallel to the axis of said driving shaft, bearings on said hollow propeller shaft supported in said housing, a driven gear fast on said hollow propeller shaft in mesh with said driving gear, the forward end of said propeller shaft extending through the front end of said housing, a propeller hub carried on the forward end of said propeller shaft, pro-

peller blade shanks rotatably supported by said hub on axes normal to the propeller shaft axis, blade rotating means within said propeller hub on the inner ends of said shanks, and a pitch change mechanism wholly within said propeller shaft and said propeller hub which comprises a pitch change screw having one end rigidly secured to the rear wall of said housing and ex-



tending forwardly within said propeller shaft, a pitch change nut on said screw extending forwardly within the propeller shaft, a swivel on the forward end of said nut between the interfacing ends of said shanks, means connecting said swivel to said blade rotating means, whereby axial movement of said swivel operates said blade rotating means, and means to rotate said nut on said screw to move said nut axially.

2,480,872
BEAM TUBE RECEIVER INPUT
James R. Moore, Rumson, N. J., assignor to the United States of America as represented by the Secretary of War
Application November 28, 1942, Serial No. 467,270
3 Claims. (Cl. 250—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A radio system including an antenna, a transmitter and a receiver connected to said antenna, an electron beam tube in the input circuit of said receiver, said electron beam tube having beam deflecting means connected to said antenna and said transmitter, an accelerating and focussing electrode having two apertures, said electrode being grounded through a condenser, and an anode connected to said receiver and in beam-intercepting relationship with respect to said apertures, said deflecting means deflecting said beam in response to a pulse generated by said transmitter so as to ground said beam through said grounded electrode during the larger portion of said pulse, whereby only relatively weak pulses are generated by said beam in said anode, and impressed by said anode on said receiver, when said beam reaches said anode through said apertures.

2,480,873
LUBRICANTS
John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 18, 1944, Serial No. 568,777
12 Claims. (Cl. 252—46.6)

1. A lubricating oil composition comprising a major amount of lubricating oil, from about 0.01 to about 25% of the reaction product obtained by reacting, an oil-soluble oxygen-containing organic compound selected from the group consisting of fatty acids and fatty acid esters with a phosphorus sulfide at a temperature from between about 175° F. to about 450° F. and in amounts such that the weight of the sulfur in the phosphorus sulfide is about double the weight of the oxygen in said organic compound and from about 0.01 to about 25% of an oil-soluble detergent selected from the class consisting of organic sulfonates and organic sulfates.

2,480,874
BUCKLE
Anna Neumann, Brooklyn, N. Y.
Application April 10, 1946, Serial No. 661,145
5 Claims. (Cl. 24—168)

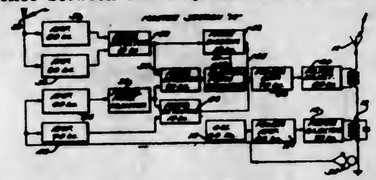


1. In a fastener for adjusting belts, straps or the like, a lower member and an upper member, at least one opening in the lower member which permits of threading the upper member through the lower member, the upper member resting on and at least partly overlapping both ends of the lower member in operative position, one strap portion immovably associated with one of said members in normal use of the fastener, another strap portion passing, always in the same direction, along the lower member and through the lower member, then passing along at least a part of the upper member, said another strap portion being immovably associated with the upper member during normal use of the fastener, said another strap portion again passing through the lower member, and finally along the lower member, thereby maintaining the upper member in said operative position, and at least one of said members comprising two oppositely disposed loops and a hinge device permitting the loops to swing from their substantially flat operative position into their inoperative position in which the loops form an acute angle.

2,480,875
NAVIGATION SYSTEM
William Joseph O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application March 20, 1948, Serial No. 16,125
In Great Britain March 20, 1947
9 Claims. (Cl. 343—105)

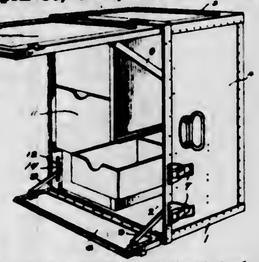
1. In a radio frequency navigation system including means for radiating from three spaced points three signals of unlike but harmonically re-

lated frequencies bearing fixed multiple phase relations to each other, the combination of: means for radiating from one of said points a fourth signal of a frequency such that the difference between the frequencies of the two sig-



nals radiated from said one point is equal to the difference between the frequencies of the other two signals; and means responsive to variations in the phase relation between said two differences for regulating the phase of said fourth signal.

2,480,876
INVERTIBLE FIELD DESK AND FILE CABINET
Frederick T. Paden, United States Army, Collingswood, N. J.
Application March 20, 1945, Serial No. 583,832
2 Claims. (Cl. 45—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A combined file cabinet and field desk comprising a body portion having a top, bottom and sides and an open front, a combined closure member and desk panel hinged to the top of the body portion so as to be swingable between closure forming and desk forming positions, and a pivoted latch for supporting the desk panel in horizontal desk forming position when the body rests upon either its bottom or top, said latch comprising a bar, keeper means slidably confining said bar, and oppositely disposed abutment means on said bar alternately and selectively engaging said keeper means, whereby one of said abutment means engages a portion of said keeper means to support said panel in desk forming position when the body portion rests upon its bottom, and the other of said abutment means engages another portion of said keeper means to support said panel in desk forming position when the body portion rests upon its top.

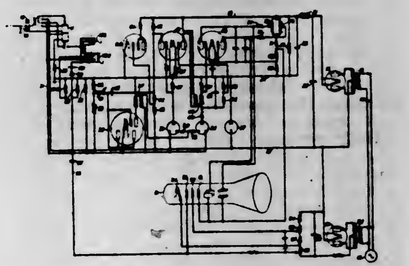
2,480,877
ROTARY BRUSH
Ruben O. Petersen, University Heights, Ohio, assignor to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1943, Serial No. 509,226
4 Claims. (Cl. 15—188)

1. In a brush, the combination of a support and a plurality of twisted brushing elements carried thereby, such elements being aligned in the direction of their active movement in use, and certain of such elements being twisted in one



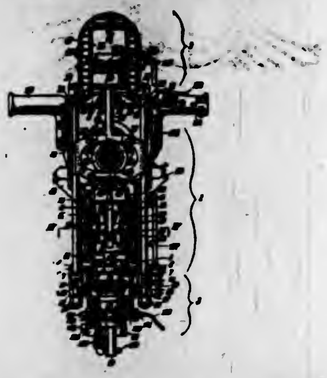
direction and a substantially equal number of such elements substantially uniformly distributed in such alignment being twisted in the opposite direction.

2,480,878
TELEGRAPH SIGNAL DISTORTION MEASURING APPARATUS AND SYSTEM
Wilton T. Rea, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1943, Serial No. 515,064
12 Claims. (Cl. 315—24)



1. In a signal measuring apparatus, a signal responsive relay, a cathode ray tube having pairs of horizontal and vertical beam deflecting electrodes, a sweep circuit for said tube comprising an inductance normally having energy stored therein in the form of a steady magnetic field, a resistor in series with said inductance, a capacitance connected in parallel with said inductance and resistor, means controlled by said relay for releasing the energy stored in said inductance to cause current to flow in said inductance, resistor and capacitance in oscillatory manner, means for deriving a potential from said sweep circuit in phase with the current therein, means for applying said potential between the electrodes of one of said pairs, first and second means for deriving potentials from said sweep circuit in quadrature with the current therein, means controlled by said first quadrature potential deriving means for applying one of said potentials between the electrodes of the other pair, and means controlled by said second quadrature potential deriving means for generating in said inductance a potential in opposite phase relation to the potential developed across said resistor by said oscillatory current whereby to compensate for resistive energy loss in said sweep circuit.

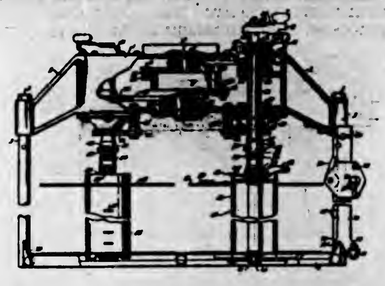
2,480,579
POWER ACTUATED PERCUSSION TOOL
John V. Rice, Jr., Philadelphia, Pa., assignor to John V. Rice, Jr. Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 22, 1944, Serial No. 541,641
11 Claims. (Cl. 123—7)



1. In a percussion device, the combination of an internal combustion motor including a piston with a yoke at the other end of the piston rod; a housing comprising a rectangular-section with an axially-related cylindrical portion; a hollow-extension, beyond the yoke, operative in said housing cylindrical portion; spaced reactive means with intervening bearing-members movable in said hollow extension; an impact-imparting device concentrically sustained by radially-movable elements between the bearing-members; said reactive means, bearing-members and radially-movable elements jointly serving to reduce operating vibration to the minimum; a removable tool-holder at the outer end of the housing cylindrical portion; means rigidly securing the power-unit, housing and tool-holder in co-axial alignment; means operative from and concurrently with the expansion stroke of the piston to incrementally-turn the tool-holder; and pressure controlled means intermittently-operable to force liquid through said holder to free the tool active end from becoming clogged by boring chips or the like.

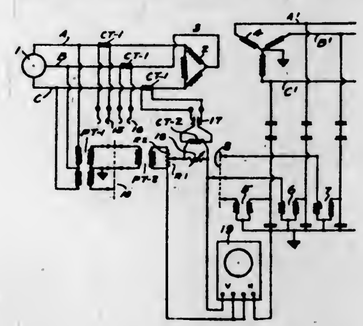
2,480,880
DEVELOPER-ROLL FILM
William H. Richards, Dayton, Ohio
Application December 19, 1945, Serial No. 636,042
3 Claims. (Cl. 242—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a film developing device for roll films and the like the combination of a power driven reel winding and reversing mechanism and a pair of film reels, said mechanism being adapted to alternately drive said pair of film loaded reels, said driving mechanism having driving connections with a pair of driven sleeves, longitudinally slidable shafts within said sleeves having clutch members mounted on one end thereof, reel shafts in said reels having driving connections on one end thereof adapted to be engaged by said clutch members, transversely movable handles on one end of said slidable shafts having clutch members adapted to engage cooperating clutch members on said sleeves, manually operable locking means for locking said slidable shafts and reel shafts in clutched position and adapted to be moved out of locking position to permit the



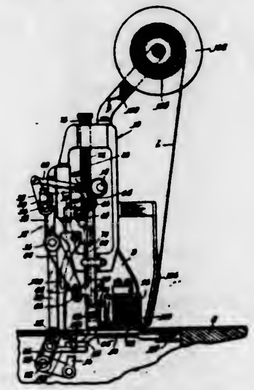
slidable shafts to be longitudinally moved into and out of clutching relation with said reel shafts.

2,480,881
APPARATUS FOR ADJUSTING CAPACITOR POTENTIAL DEVICES
Ferber R. Schleif, Coulee Dam, Wash.
Application February 6, 1946, Serial No. 645,975
1 Claim. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A circuit for use in adjusting a capacitor potential device deriving a voltage from the high side of a power line transformer bank in a conventional polyphase power line while said power line is under load, comprising a means including a potential transformer connected to the low side of said power line transformer bank for deriving a potential therefrom equal in magnitude to the voltage to be derived from said capacitor potential device to be adjusted, a compensating means, including a current transformer connected to said low side of said power line transformer bank, connected in series with said potential deriving means for adjusting the phase of said potential to compensate for variations in phase due to variations in load on the high side of said transformer bank, a cathode ray oscilloscope having a pair of horizontal and a pair of vertical deflection plates, circuit means for connecting said phase adjusted potential across one pair of said deflection plates and circuit means for connecting said phase adjusted potential and the voltage from said capacitor potential device in opposition to each other and across the other pair of deflection plates of said oscilloscope.

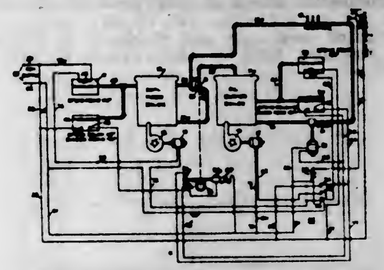
2,480,882
MEANS FOR PRODUCING A WATERPROOF SEAM FOR POLYVINYL RESINOUS COATED FABRICS
William E. Schmidt and John A. Ritsler, Three Oaks, Mich., assignors to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan
Application June 9, 1944, Serial No. 539,458
1 Claim. (Cl. 154—42.3)



An apparatus for interconnecting two pieces of fabric each coated with resin adapted to set upon the application of heat and pressure thereto, comprising in combination a frame, a platen supported on said frame so as to move horizontally thereon, a second platen movable vertically into and out of pressure relationship to said first named platen, a feeder member movable both vertically and horizontally on said frame, means for heating said second platen, means comprising an arm pivotally connected with both said second platen and said feeder member adapted upon a swinging movement in one direction to raise the feeder member by a leverage on said second platen and adapted upon a swinging movement in the other direction to raise said second platen by a leverage on said feeder member, resilient means normally pressing said second platen downwardly, and means comprising a bell crank lever adapted upon an operative stroke to move said feeder member and said first named platen forwardly together with the feeder member in its lowered position.

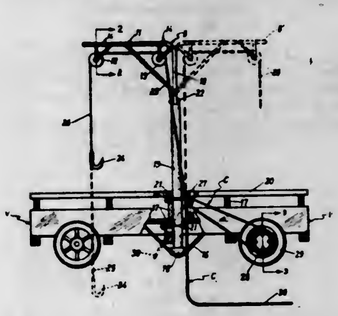
2,480,883
CONTROL SYSTEM
Frederic B. Schramm, Cleveland, Ohio
Application November 17, 1944 Serial No. 563,910
18 Claims. (Cl. 237—8)

1. A heating system comprising in combination a boiler with an oil burner, and a coal-fired boiler for heating fluid circulating medium, a radiator for such a medium, a circulator for causing the medium to travel through the said boilers and through the radiator, electrically operated combustion control devices for each of said boilers, each control device having a low fuel consumption setting and a high fuel consumption setting, room temperature responsive means for simultaneously tending to translate the combustion control devices to the high fuel consumption settings and for energizing the circulator, means responsive to temperature of the circulating medium for preventing operation of the circulator when the temperature of the circulating medium is below a predetermined minimum temperature, means for transferring the combustion control device for the oil burner to the low fuel consumption setting when the temperature of the circulating medium rises above a predetermined maximum, means associated with the coal-fired boiler for transferring its combustion control device to



the low fuel-consumption setting when the temperature of the medium rises above a predetermined maximum temperature higher than that for which the upper limit control of the oil burner is set and means for cutting out the coal-fired boiler from the circulating system of the oil burner boiler and the radiator when the temperature of the medium in the coal-fired boiler falls below a predetermined minimum temperature.

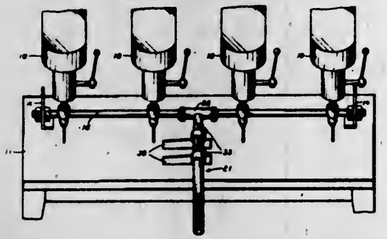
2,480,884
LOADING APPARATUS
Carl Scott, Denver, Colo., assignor of one-half to Harry E. Menchimer, Denver, Colo.
Application October 15, 1945, Serial No. 622,256
2 Claims. (Cl. 212—37)



1. Loading apparatus for a wheeled vehicle adapted to transport material on a loading surface of said vehicle, comprising a pivoted boom having an upright portion and an overhanging portion disposed substantially at a right angle to the upright portion, a pulley mounted on and adjacent the outer end of said overhanging portion and adapted to receive a cable passing thereover, a lower pulley mounted on a shaft secured to said vehicle below said loading surface and extending laterally from said vehicle beyond said loading surface, a drive pulley attached to a wheel of said vehicle in operative relation with said lower pulley, and a support for said boom including a guide extending through said loading surface, a

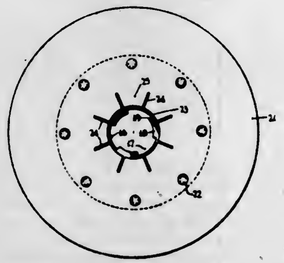
cap beneath said boom and forming a lower bearing support therefor, and a bracket attached to said vehicle beneath said loading surface for supporting said cap.

2,480,885
WORK HOLDING DEVICE
Robert P. Sedlock, San Diego, Calif.
Application March 12, 1946, Serial No. 653,918
4 Claims. (Cl. 77—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



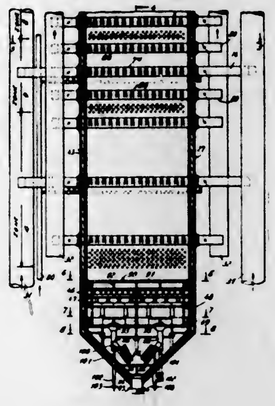
1. In a device of the character described, a support, a pair of spaced brackets mounted on said support, a cylindrical bar adjustably mounted between said brackets in a substantially horizontal plane, a carriage slidably mounted on the bar, an extensible arm having a hollow outer section and an inner section receivable therein, the arm being disposed in perpendicular relation to said bar and having its inner section connected to the carriage, a pair of collars adjustably mounted on said arm, and a clamping plate secured to each collar and disposed in parallel relation to said bar, the plates coacting with each other to clamp work therebetween.

2,480,886
ABRASIVE DISK SUPPORT
William Stever, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 3, 1947, Serial No. 732,014
6 Claims. (Cl. 51—197)



6. An abrasive holder and support comprising a supporting head, a resilient plate having a central opening and a plurality of centrally located slits forming between them resilient tongues, an abrasive-holding disc, and screw means for clamping said resilient plate and disc in superposed relation to said rotatable head while resiliently stressing said tongues.

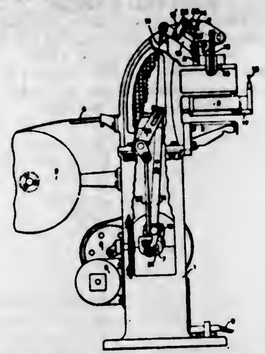
2,480,887
APPARATUS FOR CATALYST REGENERATION
Leroy F. Strader, Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application June 20, 1945, Serial No. 600,475
2 Claims. (Cl. 23—288)



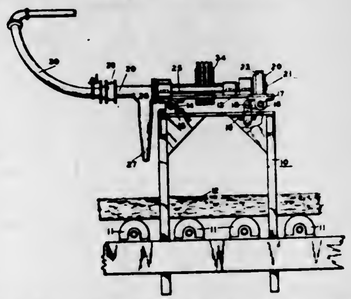
1. In a regenerating kiln comprising a vertical shaft, means for charging spent catalyst to the upper end of the shaft and means for discharging regenerated catalyst from a central discharge port at the bottom of the shaft, a horizontal baffle spaced above the discharge port, sub-ports in this baffle spaced symmetrically around the axis of the shaft and discharge port, a corresponding number of discharge tubes each positioned to receive catalyst flowing downwardly through one of the sub-ports, each of these discharge tubes extending vertically downward from the baffle for a minimum distance of two diameters and then inclining toward the vertical axis of the shaft and discharge port for a minimum distance of two diameters at an angle steeper than the angle of repose of the catalyst to a terminal opening short of that axis but closer to it than the communicating sub-port, the improvement which comprises gates corresponding in number to the discharge tubes, each gate being adapted to move across the terminal opening of one of the discharge tubes, and an independent operating extension for each gate adapted to move the gate across and position it with respect to the terminal opening of the associated discharge tube from a point without the kiln.

2,480,888
BOX STAYING MACHINE
Michael J. Stumpf, Philadelphia, Pa., assignor, by mesne assignments, to National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 23, 1948, Serial No. 45,760
4 Claims. (Cl. 1—12)

1. In a machine for applying metal strip, a die and anvil, a prime mover, a breakable driving connection between the prime mover and the die for closing the die with the anvil, means for feeding a length of metal strip to the die in its opening movement and means for breaking the driving connection to the die in alternate opening movements of the die.

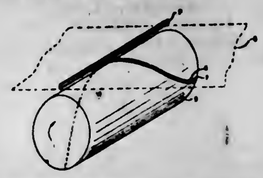


2,480,889
HYDRAULIC BARKER
Frank H. Swift, Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application November 16, 1946, Serial No. 710,299
4 Claims. (Cl. 144—208)



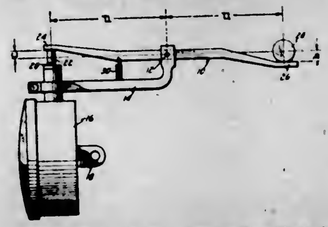
1. In a hydraulic barker, means for conveying pieces to be debarked longitudinally through the barker, a frame, a nozzle-supporting carriage on said frame, a hydraulic debarking nozzle directed against the bark surface of said pieces, said nozzle rotatably mounted on said carriage to swing in an arc transverse to the direction of travel of said pieces through the barker, rotating means on said carriage and connected to said nozzle for swinging said nozzle in alternate back and forth movements through said arc, means for tilting said carriage and therewith said nozzle in a direction corresponding to the direction of travel of said pieces during each swing of said nozzle, said tilting means including a rotating cam element mounted on said carriage, said cam element connected to and rotating with said nozzle swinging means, a cam follower for said cam element, a member on said carriage carrying said cam follower, an arm rigidly connected with said member, and linkage connected with said arm and mounted on said frame, said cam element and said rotating nozzle swinging means so designed and arranged that the tilting of said carriage and nozzle in said direction of travel of said pieces will take place during each transverse swing of said nozzle and the return tilting in the opposite direction will occur rapidly at the conclusion of each transverse swing of said nozzle, whereby the jet from said nozzle will travel in oblique, forward-extending lines with respect to the direction of travel of said pieces, for the purpose stated.

2,480,890
RAISED HELIX FOR FACSIMILE APPARATUS
William H. Tribble, East Moriches, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application August 20, 1946, Serial No. 694,913
1 Claim. (Cl. 346—101)



In a facsimile recorder, the combination of, a rotatable recorder drum, a ridge on the surface of said drum extending in helical fashion at least partly around said drum, a metallic helical electrode mounted on the upper surface of said ridge to form a recording electrode, a flexible linear electrode to cooperate with said helical electrode to produce a recording, and means for maintaining pressure contact between said flexible linear electrode and said helical electrode, said ridge being of sufficient height to prevent said flexible electrode from touching the surface of said recorder drum.

2,480,891
ATTACHMENT FOR DIAL INDICATORS
Delbert Van Winkle, Pittsburgh, Pa.
Application April 18, 1946, Serial No. 662,996
2 Claims. (Cl. 33—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A measuring device for indicating the deflection of an object provided with a rounded surface and movable in a straight line comprising, an indicator having a spring pressed plunger provided with a rounded end, said plunger being movable in a straight line parallel to the path of movement of the object, a bracket secured to said indicator, an elongated lever member pivotally mounted at its mid point on said bracket, one end portion of said lever member being in contact with said plunger and the other end portion of said lever member adapted to contact the rounded surface of the object, both of said end portions being respectively offset from the horisontal axis of said lever member a distance equal to the radius of the surface in contact therewith, and a spring arranged to maintain

the respective end portions of said lever member in contact with the rounded surfaces of said plunger and object whereby deflection of the object pivots said lever member to actuate said plunger whereby the amount of deflection of the object is registered on said indicator.

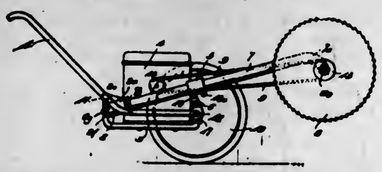
2,480,892
PREPARATION OF 2-CARBOALKOXY-1,3-BUTADIENE DIMERS BY PYROLYSIS OF Δ'-CARBOALKOXY CYCLOHEXENES
Jerome C. Westfahl, Tonawanda, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 25, 1948, Serial No. 35,287
4 Claims. (Cl. 260—468)

1. The method which comprises pyrolyzing a compound of the formula



wherein R is a carboalkoxy radical, at a temperature of 500° C. to 900° C., and recovering a 2-carboalkoxy-1,3-butadiene dimer from the reaction product.

2,480,893
HAND-GUIDED POWER-DRIVEN TWO-WHEELED PORTABLE SAW
Charles Edgerton Whittle, Brunswick, Ga., assignor to Tidewater Equipment Co., Brunswick, Ga., a partnership
Application January 31, 1947, Serial No. 725,624
3 Claims. (Cl. 143—43)



1. A rotary power saw, comprising a frame structure, an axle member extending transversely of said frame structure, a wheeled support for said axle member, an engine support mounted at one side of said axle member for receiving an engine adjustably thereon and serving as a counterweight for said frame structure, said axle having a U-shaped yoke therein offset from said engine support, a mandrel shaft having one end thereof pivotally and angularly mounted with respect to said frame structure and being curved at the opposite end thereof and terminating in a journal, a shaft rotatably mounted in said journal, a rotary saw carried by said shaft, means extending between said engine and the shaft in said journal for rotatably driving said rotary saw for all positions of said mandrel shaft from a remote position housed within the U-shaped yoke of said axle to a position extending above said axle, a sleeve member slidably engageable with said mandrel shaft, angularly adjustable arms extending between said axle on opposite sides of the U-shaped yoke therein and said sleeve, and means for mutually clamping said arms and sleeve in selected positions for maintaining said mandrel shaft in a selected position.

2,480,894
PROCESS FOR MANUFACTURING KNITTED FABRIC
Gustave Charles Auguste Airic, Troyes, France
Application July 26, 1947, Serial No. 763,973
In France June 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 26, 1966
4 Claims. (Cl. 66—69)



1. In a hosiery knitted fabric manufacturing process, the step which consists in moving the leader by the amount of two needles outwards during the looping and in bringing it back by an even number of needles inwards during the knocking over.

2,480,895
ELECTRIC CABLE CONNECTOR
Andreas Anderson, Wellesley Hills, Mass.
Application August 14, 1946, Serial No. 690,379
7 Claims. (Cl. 174—82)

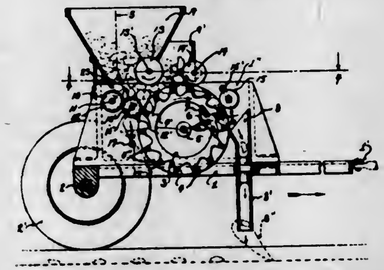


1. In a cable connector, a handle forming a closure for one end of the connector, said handle having an end wall provided with an opening through which a cable may be extended, said wall opening being transversely elongated and provided with two parallel opposed edges forming tongues in the end wall, a cable clamp comprising a pair of opposed arcuately shaped half sections provided with grooved portions arranged to cooperate with said tongues to permit transverse adjustment of the latter toward and from each other to clamp the cable, and separate means carried by said handle and engageable with each of said half sections for selectively moving either one or the other of said half sections into a position to clamp the cable between them.

2,480,896
TREATMENT OF PLASTER OF PARIS BONDED MOLDS WITH LIQUID HYDROCARBON PRIOR TO AUTOCLAVING
Xarifa L. Bean, Yellow Springs, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application September 18, 1947, Serial No. 774,882
7 Claims. (Cl. 22—193)

7. The process of forming a plaster of Paris bonded mold or core which comprises forming a desired shape from a mixture consisting essentially of plaster of Paris, finely divided refractory material and water, setting the plaster, immersing the set plaster shape in a hydrocarbon liquid consisting essentially of kerosene, removing from said hydrocarbon liquid the plaster shape, thereafter dehydrating the set plaster shape as thus treated to convert calcium sulfate di-hydrate to calcium sulfate hemi-hydrate and to leave free water distributed throughout the plaster shape, thereafter rehydrating the hemi-hydrate to di-hydrate and then drying the shape to remove the free water from the shape.

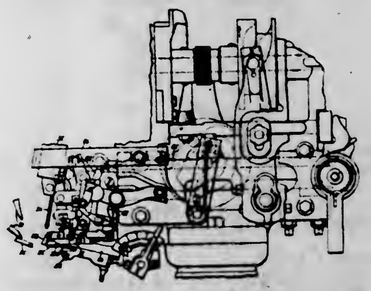
2,480,897
POTATO PLANTER
Jacob M. Bettendorf, Milwaukee, Wis., assignor to Milton B. Muehl, Milwaukee, Wis.
Application April 3, 1948, Serial No. 18,771
1 Claim. (Cl. 222—9)



In a trailer potato planter having a frame, a rear wheel carrying axle for supporting the frame, and side panels extending upwardly from said frame; the combination of a delivery wheel nested between the panels, a driving shaft secured to the wheel journaled in the panels, a series of pockets extending from opposite faces of the delivery wheel, arcuate slots intersecting the bottom of the pockets terminating below the top edge of the same forming gear teeth, fixed studs extending inwardly from the frame panels under the wheel pockets, ejector armed wheels loosely mounted upon the studs and rotatable within the arcuate slots intersecting the bottom of the pockets for engaging the pocket gear teeth, a feed boot communicating with the pockets of the delivery wheel adjacent to the armed ejector wheels, a main hopper mounted upon the frame panels rearwardly of the pocketed wheel, an agitator roller under the hopper having a shaft journaled in the panels, the agitator roller having spiral right and left teeth inclined towards the center thereof, a second agitator roller associated with the first mentioned agitator roller adjacent to the wheel pockets, the periphery of said second agitator roller having spiral teeth inclined in the opposite direction from its center and at reversed angles from the first mentioned agitator roller, a shaft for said second roller journaled in the panels, an auxiliary hopper in communication with the main hopper and positioned over the pocketed wheel, an agitator roller having a shaft journaled in the walls of the auxiliary hopper, and chain and sprocket driving gears between the shaft of said agitator rollers and pocketed wheel.

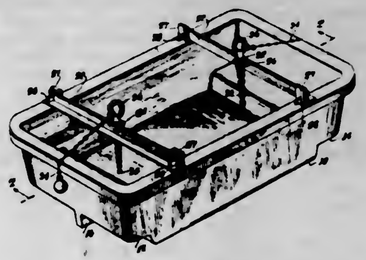
2,480,898
WORK GAUGE IN FASTENING INSERTING MACHINES
Benjamin B. Blanchard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application May 18, 1945, Serial No. 594,442. Divided and this application August 22, 1947, Serial No. 770,005
4 Claims. (Cl. 1—20)

1. In a fastening inserting machine having fastening forming means and a fastening inserting driver movable relatively to a shoe to fasten the shoe upper to a sole member, an edge gage for determining the operative position of the shoe in the machine, and a bottom gage associated with said fastening forming mechanism,



the bottom gage initially engaging the shoe bottom near the edge thereof and thereafter being moved inwardly over the shoe bottom on movement of the fastening forming means into fastening inserting position.

2,480,899
APPARATUS FOR CASTING MASSIVE BULLION BLOCKS
Frederick Arnold Bend, East Helena, Mont., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1946, Serial No. 661,796
1 Claim. (Cl. 22—139)



Apparatus for casting massive, lead blocks comprising: a rectangular-shaped mold, a pair of cross pieces extending across the top of the mold, each cross piece having a forked member affixed thereto, and a pair of screws, said screws having a slotted collar portion near their respective head ends for engaging the respective forked members of the cross pieces aforesaid during the casting operation.

2,480,900
ELECTRON DISCHARGE DEVICE
William C. Brown, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 3, 1943, Serial No. 501,079
6 Claims. (Cl. 29—25.17)

1. The method of forming strapping grooves in a lamina of an anode structure of the laminate type which comprises coining a series of grooves

in a blank sheet of the material of said lamina, and perforating said sheet to leave projecting

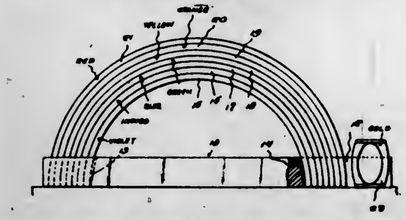


arms having said grooves adjacent the ends thereof.

2,480,901
PROCESS FOR PREPARING FLUXING MATERIALS
James J. Bowden and John S. Suda, Warren, Ohio; said Suda assignor to said Bowden
No Drawing. Application July 15, 1946, Serial No. 683,782
7 Claims. (Cl. 75—53)

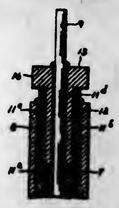
1. The process of manufacturing a fluxing agent from a finely divided flux which comprises making a slurry from said flux and a solution of at least one alkali hydroxide in the presence of aluminum, the alkaline hydroxide being present not materially less than the molecular equivalent of 89 lbs. of sodium hydroxide per ton of flux and the water being present in the proportion of about 35% to 50% of the weight of the flux, the aforesaid solution being of such strength and the aluminum being present in such proportion as to enable a sufficient amount of aluminum hydroxide to be produced to serve as a binder for the discrete particles of the flux, and subjecting the resultant material to a heavy pressure sufficient to form the same into crush-resistant briquettes, said flux comprising at least one material from the group consisting of fluorspar and aluminum dross.

2,480,902
EDUCATIONAL PUZZLE
Alva L. Boyer, Los Angeles, Calif.
Application February 19, 1946, Serial No. 648,669
2 Claims. (Cl. 35—8)



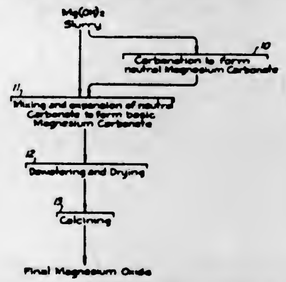
1. A device of the kind described, comprising a determined number of stacking units of substantially semi-circular contour for grouping in interfitting relation to each other and each of a definite thickness, one to the other, to have exposure edgewise when interfitted in a vertical matched plane concentrically edge to edge, the units being colored, respectively, corresponding to the colors of a natural rainbow, and a support having terminal bifurcations forming recesses for the ends of the units when inserted therein to hold them interfitted in a vertical condition and display of their edges with the coloring imitative of the natural rainbow.

2,480,903
TUBULAR HEATER TERMINAL SEAL
Allan P. Charbeneau, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 25, 1947, Serial No. 757,045
6 Claims. (Cl. 201—63)



1. The method of sealing the terminal end of an electric heater wherein a resistor enclosed in an open end tubular sheath is embedded in insulation terminating at a distance from the end of the sheath to leave the sheath with an open end recess, and wherein the resistor has a terminal portion projecting through such recess to a point beyond the sheath and such terminal portion is loosely surrounded by a metal bushing which in turn is loosely surrounded by an insulating tube to loosely fit within the end recess in the sheath, which comprises placing a quantity of glass frit in the end recess in the sheath, inserting into the end recess portions of the insulating tube and the metal bushing to contact the glass frit, heating locally and quickly the end of the sheath to fuse the glass frit, and pressing into the fused glass frit the insulating tube and the metal bushing to force the fused frit into the spaces between adjacent surfaces of the sheath, the insulating tube, the metal bushing and the resistor terminal portion to seal such spaces.

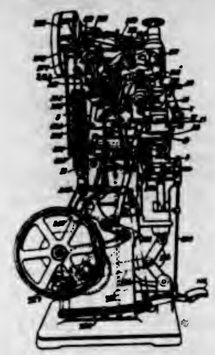
2,480,904
PROCESS FOR THE MANUFACTURE OF MAGNESIUM OXIDE
Robert E. Clarke, Palo Alto, and Neil R. Collins, Los Altos, Calif., assignors to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application June 25, 1946, Serial No. 679,050
3 Claims. (Cl. 23—201)



1. In a process for the manufacture of a magnesium oxide suitable for compounding with synthetic rubber of the chloroprene type, forming a slurry of neutral magnesium carbonate and magnesium hydroxide, the amount of magnesium hydroxide being of the order of 50 to 75% on a molecular basis and having the bulk of its particles less than about 3 microns in diameter, heating the slurry to an elevated temperature whereby a

slurry is formed consisting of basic magnesium carbonate together with a substantial amount of uncombined residual magnesium hydroxide, spray drying the slurry to form a dry divided material, and calcining the dry material to a temperature of the order of 1000° to 1800° F. to convert both basic magnesium carbonate and magnesium hydroxide components to magnesium oxide, said calcining being continued for a period of time sufficient to convert the major part but not all of the material to magnesium oxide.

2,480,905
HEEL-ATTACHING MACHINE
Thomas Baggett Clarke and Arthur Alan Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 16, 1945, Serial No. 573,026
In Great Britain February 4, 1944
27 Claims. (Cl. 12—19.2)



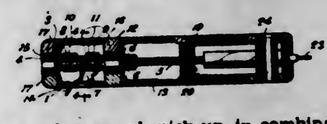
1. In a heel-attaching machine, pricking mechanism, a support for a heel, a support for a shoe, mechanism for driving fasteners into the heel-seat of a shoe mounted upon the shoe-support and for leaving portions of said fasteners extending beyond said heel-seat, means for effecting relative movement of the pricking mechanism and the heel-support to form passages in a heel upon the heel-support, means for moving the heel-support in a predetermined path from a position in which it supports the heel during the passage forming operation to a position adjacent to the shoe-support, and means for effecting relative movement of the shoe-support and the heel-support in a path disposed at an angle to the first-named path to attach the heel to the shoe with the projecting nails registering in the passages of the heel.

2,480,906
HOSE SUPPORT AND CLAMP
Clifford K. Cox, Kent, Wash.
Application June 23, 1947, Serial No. 756,568
5 Claims. (Cl. 248—68)

5. In a device of the character described, a hose clamp comprising a pair of complemental coextensive levers, provided at corresponding ends with seats to receive a hose therein between the levers, and a spacing member joining the levers at their other ends for a hinge-like clamping action against the hose; said levers having holes through their medial portions, a supporting shank extended through said holes, a base washer fixed on the shank at one side of the clamp, a nut threaded onto the shank at the other side of the clamp and adapted for drawing the levers together, and a friction disk disposed between the clamp and base washer.



2,480,907
PHONOGRAPH PICKUP
Roy Dally, Racine, Wis., assignor to Electrovox Company, Inc., East Orange, N. J., a corporation of New Jersey
Application June 20, 1945, Serial No. 600,613
8 Claims. (Cl. 179—100.41)



1. In a phonograph pick up, in combination, a primary moving system comprising a record engaging needle and a needle support rigidly connected thereto, a secondary moving system comprising a movable tubular member connected rigidly to an electric generator, means for supporting said needle support on said tubular member, a casing, bearings in said casing in which said tubular member is mounted to oscillate, and bearings within said movable tubular member in which said needle support portion of said primary moving system is mounted to oscillate, said needle and needle support being entirely supported by said movable tubular member.

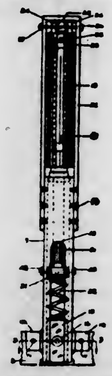
2,480,908
SEAL
James M. Davies, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 7, 1945, Serial No. 598,147
2 Claims. (Cl. 286—11)



1. In a seal of the character described, a pair of relatively rotatable annular sealing members having flat annular abutting faces in sealing contact and annular areas adjacent said faces sloping away from the plane of their abutment gradually to provide a wedge shaped space between the

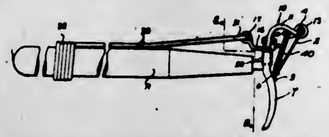
members converging toward the area of sealing contact, the ratio of the widest part of the wedge shape of said space to its length being in the order of 1 to 3000.

2,480,909
MECHANISM FOR RAISING AND LOWERING TRAILER BODIES RELATIVE TO THE WHEELS
Carl Davis, San Pablo, Calif.
Application August 13, 1947, Serial No. 768,374
1 Claim. (Cl. 280—44)



In combination with a vehicle body and the wheels supporting the same, a device of the character described comprising an elongated hollow bar vertically positioned on the vehicle body, a cylinder vertically positioned above the said hollow bar and secured thereto, a vertical plunger rod slidably positioned in the cylinder, a plate fixed on the lower end portion of the plunger rod and slidably mounted within the hollow bar, a plunger slidably mounted in the hollow bar and positioned beneath the said plate, a wheel axle fixed in the said plunger and horisontally extending therefrom, a slot vertically formed through one side of the hollow bar for enabling the wheel axle to horisontally extend through the bar for vertical movement relative thereto, means for locking the said plate to the hollow bar, a coil spring positioned between the said plate and plunger to provide resiliency for the wheel axle, and means for producing hydraulic pressure in the cylinder against the said plunger rod, whereby the vertical position of the vehicle is varied relative to the wheel axle.

2,480,910
DEVICE FOR CLEANING RAKES
Claude L. Davis, Orange County, N. C., assignor of one-half to Roger B. Davis, Orange County, N. C.
Application February 10, 1948, Serial No. 7,418
4 Claims. (Cl. 56—400.10)



1. In a garden rake cleaner, the combination with a garden rake including a handle, a rake head having a back extending transversely of said handle, and said back having a plurality of laterally-spaced teeth depending therefrom, of a scraper blade substantially coextensive in length with said head, said blade having a lower scraping edge and an upper edge, a bell crank including a shaft portion, means pivotally mounting said shaft portion on said back longitudinally of the same, said crank including a pair of laterally-spaced arms projecting forwardly of said head, means pivotally connecting said arms to said blade in the region of said upper edge, a coil spring including an intermediate portion and free ends, means mounting said intermediate portion on said bell crank arms, means connecting said free ends of said spring to said blade in the region of said lower edge, said bell crank having a third arm extending upwardly from said shaft portion in the region of said handle, said spring loading said blade and bell crank to a retracted position with said scraping edge bearing on said teeth in the region of said back, and means associated with said third arm and adapted to rock said bell crank and project said scraping edge downwardly along said teeth against the action of said spring.

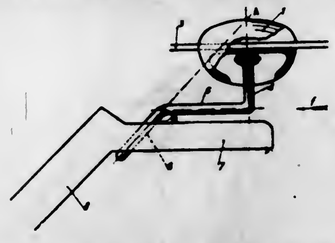
2,480,911
LIQUID FUEL BURNER
Ralph W. DeLancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application March 1, 1945, Serial No. 580,435
5 Claims. (Cl. 158—91)

1. Combustion apparatus comprising a burner of the vaporizing pot type adapted for intermittent high fire operation and having two vertically separated groups of spaced apart inlet air openings in the side wall thereof, the lowest group of openings sloping downwardly and inwardly and when open directing air jets toward the burner bottom, fuel supply and regulating mechanism for controlling the flow of liquid fuel to the burner, and air control means operating concurrently with the fuel regulating mechanism for shutting off the air supply to the lowest group of openings and opening the upper openings to the air supply when the fuel flow is regulated for high fire and for opening the lowest group of openings and shutting off the upper openings when the firing rate is reduced so that hot air jets may be directed toward the residue in the vaporizer after reduction of fuel supply.

2,480,912
TROLLEY COLLECTOR HEAD
Philippe Charles Jean Delachaux, Paris, France, assignor to Acieries de Gennevilliers, Gennevilliers, Seine, France
Application October 29, 1945, Serial No. 625,262
In France March 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1964
2 Claims. (Cl. 191—60)

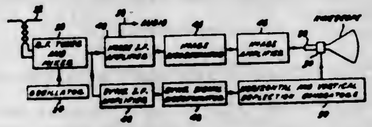
1. A trolley pole head for taking current from the overhead electric wire to feed a motor vehicle

comprising in combination a pole, a grooved rubbing contactor the groove of which receives the electric wire, an axle rotatably supporting said contactor at one end and being substantially vertical for a straight part of the wire, a link integral with the opposite end of said axle disposed



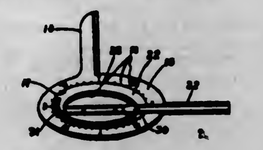
substantially horizontal for a straight part of the wire, and an axle integral with the other end of said link and pivotally mounted in an inclined position in the top end of the pole, the axes of both axles intersecting above the plane of the wire, so as to cause said contactor to constantly straddle the electric wire.

2,480,913
FREQUENCY MODULATION TELEVISION RECEIVER
Vernon J. Duke, Rockville Centre, N. Y., and Robert W. Clark, Teaneck, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 27, 1943, Serial No. 515,818
4 Claims. (Cl. 178—7.5)



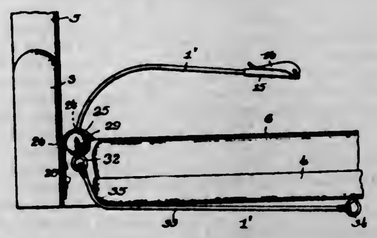
1. A television receiver for receiving a frequency modulated radio frequency carrier modulated by television video signals such that the frequency deviations representative of the image signals and the frequency deviations representative of the synchronizing signals occupy adjacent bands, comprising an image signal band pass amplifying channel having characteristics such that frequency deviations representative of the image signals may be amplified thereby, a frequency discriminator associated with said image signal amplifying channel, said discriminator having substantially linear frequency discriminating characteristics throughout substantially the entire image signal frequency deviation band and having substantially uniform response to frequencies outside the image signal frequency deviation band whereby television image signals may be produced by said discriminator, means for applying the produced image signals to a translating device, a synchronizing signal band pass amplifying channel having characteristics such that frequency deviations representative of the synchronizing signals may be amplified thereby, a second frequency discriminator associated with said synchronizing signal amplifying channel, said discriminator having substantially linear frequency discriminating characteristics over at least a portion of the synchronizing signal frequency deviation band and having substantially uniform response to frequencies outside the synchronizing signal frequency deviation band whereby television synchronizing signals may be produced by said second discriminator, and a synchronizing signal responsive circuit associated with said second discriminator.

2,480,914
PROTRACTOR
Ralph O. Gallington, College Park, Md., and James M. Cannaris, Arlington, Va.
Application April 1, 1946, Serial No. 658,678
2 Claims. (Cl. 33—75)



1. A protractor comprising a frame having a circular opening therein and the wall of the opening having a V-shaped annular groove extending therearound, a pair of superposed circular transparent plates having oppositely bevelled peripheral edges mounted in the circular opening in the frame for rotation about the axis of the opening, an annular row of graduations on the frame concentric about the circular opening therein, an index mark on each plate for cooperation with the annular row of graduations, each plate having an opening therein, one wall of which lies radial to the center about which the plates rotate and forms a straight edge on its respective plate, one of said plates having an arcuate slot extending therethrough concentric with the edge thereof, a threaded stud carried by the opposite plate and extending through the slot and a nut threadedly engaging the stud for engaging the slotted plate and locking said plates together for unitary rotation in the frame.

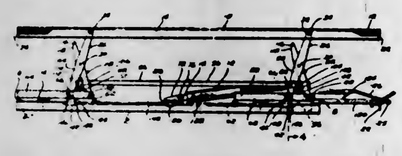
2,480,915
RETRACTABLE SAFETY BELT
Harry F. George, Chicago, Ill.
Application August 30, 1945, Serial No. 613,681
3 Claims. (Cl. 155—189)



1. In combination a seat device, and a safety belt comprising two straps each secured at one end to said device, one of said straps having at its forward end a safety buckle and at its rear end a stop member, a limit plate secured to said seat device and having a flange member formed with a slot through which the last mentioned strap passes, an elastic cord secured to said stop member and passing underneath the seat device, and means for securing the rear end of the cord

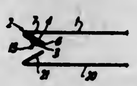
to the seat device so that when the buckle strap is pulled to position to fasten the occupant in the seat device the cord will be stretched and when the buckle is released the cord will pull the strap and its buckle away from the upper surface of the seat of the seat device.

2,480,916
ELEVATING MECHANISM
Christian D. Gibson, Greene, N. Y., assignor to Lyon-Raymond Corporation, Greene, N. Y., a corporation of New York
Application February 26, 1945, Serial No. 578,916
16 Claims. (Cl. 187—17)



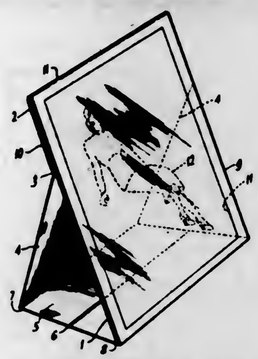
11. In platform elevating means, the combination with the platform to be elevated and a support for the elevating mechanism, of front and rear pairs of laterally spaced toggle linkages, each pivotally connected at its respective ends to said platform and to said support, a rectangular frame mounted and guided on said support for movement lengthwise thereof and having thereon means for simultaneously and equally applying toggle straightening force to said toggle linkages when power is applied to said frame to effect said lengthwise movement thereof and ramps up which the corners of said frame ride during the aforementioned lengthwise movement.

2,480,917
TRANSPARENT LOOSE-LEAF BINDER
Sanford L. Goldman, Long Beach, N. Y.
Application July 3, 1948, Serial No. 36,854
2 Claims. (Cl. 129—1)



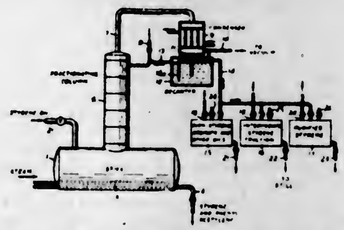
1. A transparent front cover for a loose leaf binder, comprising a relatively stiff plastic sheet, a narrow rectangular strip of the sheet being folded against the inner face to provide a permanently creased relatively stiff flap, biased to said face, a separate rectangular strip of paper folded to provide a pair of equal sections of substantially the same dimensions as said flap, the open side of the folded strip being located adjacent said crease, said strip having its fold line spaced from the crease, said folded strip being snugly sandwiched between the creased biased flap and said inner face whereby it is necessary to pry the biased flap and sheet apart to permit said strip to be unfolded, spaced eyelets securing the lower section of the folded strip to said flap, the upper second section of the folded strip being snugly retained in folded state between the inner face of the sheet and said lower section of the strip, the visible face of said upper second section being provided with indicia, said eyelets having fastener devices respectively associated therewith, and said upper paper section effectively concealing the spaced eyelets from view.

2,480,918
COLLAPSIBLE EASEL
Sanford L. Goldman, Long Beach, N. Y.
Application August 19, 1948, Serial No. 45,061
1 Claim. (Cl. 40—152.1)



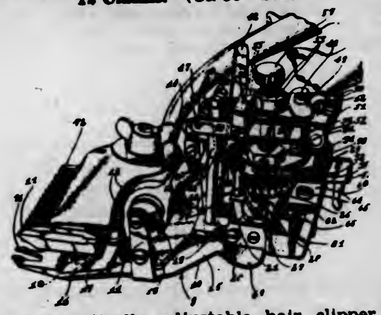
In a picture display stand or frame, a solid front board, a pair of upper and lower rear boards hinged together across the front board, the board above the hinge being secured to the rear face of the front board adjacent the top edge thereof, a foldable web secured to the lower edges of the front board and lower rear board, a transparent rigid plastic cover plate provided with an elongated narrow rear hook at its top edge, said cover plate having its remaining edges all free, said hook being removably engaged over the said secured front board and rear upper board, said cover plate securely retaining a display sheet between it and the front face of the front board.

2,480,919
RECOVERY OF STYRENE BY AZEOTROPIC DISTILLATION
Richard B. Greene, Cheltenham Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 654,209
11 Claims. (Cl. 202—42)



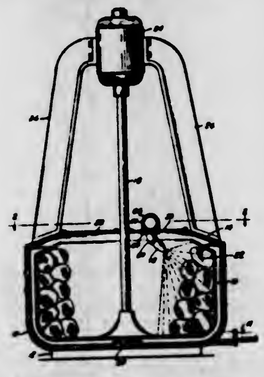
1. In a method of producing a hydrocarbon oil of high styrene content from an oil containing a lower styrene content and at least one like-boiling aromatic non-styrene component, the step which comprises fractionally distilling a mixture of such oil and an azeotropic agent of the group consisting of alkyl lactates in which the alkyl group contains not more than two carbon atoms and methyl glycolate at a distillation temperature such that an aromatic component is distilled off in the form of an azeotrope with said agent.

2,480,920
AUTOMATICALLY ADJUSTABLE HAIR CLIPPER
Jacob Gulleng, Chicago, Ill., assignor of fifty per cent to Henry Wehming, Chicago, Ill.
Application October 11, 1947, Serial No. 779,394
12 Claims. (Cl. 30—202)



1. Automatically adjustable hair clipper attachment means comprising, a frame removably securable to a hair clipper, a block support mounted rearwardly on the said frame, an arbor rotatably mounted in the said block support and having a threaded extension, ratchet means secured to the said arbor, motivating pawl and check pawl means cooperating with the said ratchet means, linkage means connected to the said motivating pawl and check pawl means, the said linkage means provided with finger means engageable by the moving arm of a hair clipper to which the said clipper attachment means may be secured, escapement means provided with split nut means engaging the threaded extension of the said arbor, adjustable hair gauging means pivotably attached to the said frame, and link means interconnecting the said escapement means to the said adjustable hair gauging means.

2,480,921
SPRAYING ATTACHMENT FOR CENTRIFUGAL EXTRACTORS
Herman F. Hahn, Evanston, Ill., assignor, by direct and mesne assignments, of two-thirds to Herman F. Hahn, Evanston, and one-third to Walter F. Karstens, Arlington Heights, Ill.
Application July 6, 1946, Serial No. 681,707
6 Claims. (Cl. 68—148)
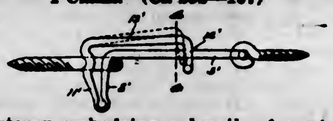


1. The combination with a vertical centrifugal machine for rinsing clothes of the type having a base, a cylindrical tub member thereon, a pair of brackets mounted on said tub member, a motor carried thereby, a vertical drive shaft depending from said motor, a perforated open-topped basket carried by said shaft, a circular cover for said basket, said cover formed of two sections hingedly mounted on said tub member, of a manifold mounted on one of said cover sections, a hose connected thereto and a plurality of nozzle members pivotally fastened to said manifold through said cover, said nozzles adjustable to direct a spray therefrom in an outward direction against and through bags of clothes placed in said basket.

2,480,922
COMBINATION GRASS CUTTER AND EDGE TRIMMER
Richard E. Harshman, Scotts Bluff, Nebr.
Application September 4, 1947, Serial No. 772,079
3 Claims. (Cl. 56—25.4)



3. A grass cutting machine designed to simultaneously cut grass which borders along the vertical lawn-side wall of a walkway ditch and, in addition, clips and trims those blades of grass which would, if not clipped, overhang and droop into said ditch, comprising a carriage embodying a substantially rectangular platform having forward, rearward and left and right edge portions, a pair of ground-engaging wheels suspended from and for supporting the rearward edge of said platform, a prime mover mounted atop said platform, a vertically disposed shaft adjustably mounted on said platform and located slightly off-center, an operating connection between said shaft and prime mover, a horizontally disposed cutter blade disposed beneath said platform and keyed on said vertical shaft, the ends of said cutter blade being adapted to swing beyond the right-hand edge of said platform, a horizontal shaft mounted for rotation in a horizontal plane on the right-hand edge of said platform and projecting beyond said edge, a vertically disposed trimming blade keyed intermediate its ends on said horizontal shaft, the ends of said vertical blade projecting beyond the plane of rotation of the corresponding ends of the first-named blade and being offset so that the ends of the horizontal blade swing beyond the stated wall over the ditch and the ends of the vertical blade swing down into the ditch below the plane of the ground and parallel to said wall, a horizontal reach arm adapted to span the ditch, said reach arm being connected at one end to the forward edge portion of said platform, said arm extending at right angles from the right-hand edge of the platform, a pair of turnable rollers supported from said arm and rotatable on axes at right angles to each other, one roller being adapted to ride a top surface of said walkway and the other to ride a vertical edge portion of said walkway, and a swivel-type caster mounted on the left-hand edge portion of the platform adjacent the forward edge portion of said platform, and an operating connection between said prime mover and said horizontal shaft.

2,480,923
HOOK
Andrew H. Hatchette, Cleveland, Ohio
Application June 6, 1945, Serial No. 597,902
1 Claim. (Cl. 223—107)



A fastener embodying a length of semi-rigid material constructed to provide a shank and a hook at one end of the shank, said hook embodying a member extended at right angles with respect to the shank, a yieldable member formed integral with the hook and being extended at an acute angle with respect to the first mentioned member, the latter member adapted to frictionally engage a keeper in which the hook is positioned, an actuating arm formed integral with the latter member and being extended over the shank of the hook, and a loop formed at the free end of the actuating arm, said loop encircling the shank of the hook.

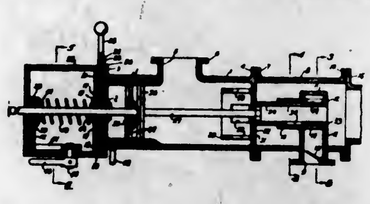
2,480,924
DIP DEVICE FOR MINNOWS AND THE LIKE
Linus H. Heger, Hopkins, Minn., assignor to Kenneth J. Heger, Oxbore, Minn.
Application March 27, 1944, Serial No. 528,200
3 Claims. (Cl. 42—4)



1. A dip device for catching and holding aquatic live bait comprising an open-work dip receptacle having a handle extending therefrom, said receptacle having a back wall, a front wall and end walls and a movable gripping element mounted within said receptacle for cooperating with the lower portion of said receptacle to engage and hold a bait, said receptacle having a slot extending upwardly from the lower portion thereof, and said slot being open at its upper end whereby a bait held in said receptacle may have a hook applied thereto and whereby said hook with the bait impaled thereon may be removed from said receptacle.

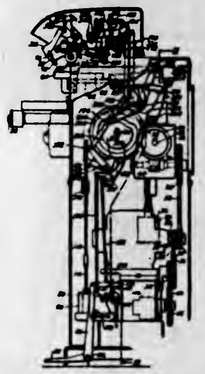
2,480,925
PROPORTIONING VALVE
Charles D. Hirst, Cupertino, and George L. Woodington, North Sacramento, Calif.; said George L. Woodington assignor, by decree of distribution, to Vera J. Woodington, North Sacramento, Calif.
Application September 18, 1945, Serial No. 617,004
7 Claims. (Cl. 169—14)

1. A fluid proportioning device comprising: a mixing chamber provided with a discharge port and a circular intake valve port; a stationary valve sleeve secured to and within said mixing chamber coaxial with said discharge port and provided with a longitudinally extending peripheral slot; an intake conduit extending into and sealed to said chamber and to said stationary sleeve about the slot therein; a slidable valve sleeve telescopically disposed within said stationary sleeve, said slidable valve sleeve being provided with a longitudinally extending peripheral



slot arranged to be placed in registration with the slot in said stationary sleeve; a valve closure member connected to said slidable valve sleeve and suported by said stationary valve sleeve, said valve closure member being arranged to open and close said intake valve port; and means for adjusting the angular position of said stationary and slidable sleeves with respect to each other in order to adjust the degree of angular registration of the slots therein.

2,480,926
MACHINE FOR SHAPING PREWELT SHOE UPPERS
Eric A. Holmgren, deceased, late of Beverly, Mass., by Gertrude A. Holmgren, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 23, 1947, Serial No. 788,464
15 Claims. (Cl. 12—97)



1. In a machine for shaping uppers, the combination with means engaging the outer surface of the end portion of an upper, a form constructed and arranged to engage the inner surface of the upper and to clamp the upper against said means, and a wiper for wiping the margin of the upper over said form, of hydraulic means for operating said form, and other means for operating the wiper.

2,480,927
AERIAL TORPEDO
Nevil Monroe Hopkins, New York, N. Y.; Raymonde B. Hopkins, executrix of said Nevil Monroe Hopkins, deceased, assignor to Raymonde Briggs Hopkins, New York, N. Y.
Application March 16, 1944, Serial No. 526,782
3 Claims. (Cl. 102—49)



1. A torpedo fashioned to be discharged from a rifled gun, comprising a closed casing, an explosive filler, and a detonator device therefor, a tail member secured to said casing, a gas check member engageable with the rifling of a gun barrel, a friction clutch operatively connecting the gas check member and the casing through the instrumentality of the tail member, and an air vane mounted upon said tail member.

2,480,928
CONTROLLING POLYMERIZATION OF POLYHYDRIC ALCOHOL ESTERS OF ALPHA-OLEFINIC DICARBOXYLIC ACIDS WITH ETHYLENIC MONOMERS
Everett C. Hurdis, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 30, 1944, Serial No. 570,765
9 Claims. (Cl. 260—45.4)

2. In a method of controlling the oil phase gelling and polymerization of a polymerizable mix comprising a liquid polyhydric alcohol ester of an alpha-olefinic dicarboxylic acid, and a liquid monomeric unsaturated polymerizable compound in which the unsaturation is due to a single terminal ethylenic group which is attached to a negative radical, and in which the said ester is soluble and with which ester it is copolymerizable in the presence of a peroxy polymerization catalyst, said catalyst also being present, that improvement which consists in the step of adding a small but effective amount of a promoter of gelation which is a tertiary monoamine containing attached to the nitrogen atom two functionally aliphatic radicals selected from the group consisting of alkyl hydrocarbons, hydroxy-substituted alkyl hydrocarbons, and aralkyl hydrocarbons and one aromatic radical selected from the group consisting of aryl hydrocarbons, azo-substituted aryl hydrocarbons, amino-substituted aryl hydrocarbons, hydroxy-substituted aryl hydrocarbons, and aldehyde-substituted aryl hydrocarbons, and salts thereof, said monoamine being devoid of nitro and nitroso groups.

2,480,929
BUTTON PROTECTOR PAD FOR DRYING MACHINES
Sam M. Hyman, Manitowoc, Wis.
Application December 30, 1947, Serial No. 794,891
10 Claims. (Cl. 250—1)

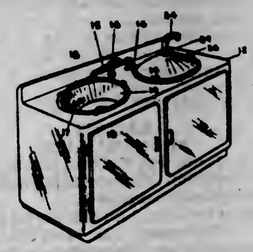


1. In a button protecting pad of the character described, a base layer substantially co-extensive with the length and width of the pad, a pair of outer layers overlapping and secured to the base layer along the longitudinal marginal portions thereof, said outer layers terminating short of each other along the longitudinal central portion of the pad, said base and outer layers being constituted of fabric material, and a plastic layer extending between the opposed, spaced, edges of the outer layers and secured to the latter, said plastic layer serving to increase the wear and resistant properties of the pad.

2,480,930
PROCESS FOR MAKING SILVER PROTECTIVE CLOTH
Elwood C. Jackson and Tully H. Babb, Lyman, S. C., assignors to Pacific Mills, a corporation of Massachusetts
No Drawing. Application February 11, 1948, Serial No. 7,704
7 Claims. (Cl. 21—2.5)

1. In a process of preparing silver protective cloth in which silver nitrate is reacted with sodium ferrocyanide to produce silver ferrocyanide, the improvement of carrying out this reaction in aqueous solution preliminarily to application of the composition to the cloth so as to form the silver ferrocyanide beforehand and thereby enable deposit of the silver ferrocyanide in the cloth in a one-bath procedure and without staining or discoloring the cloth.

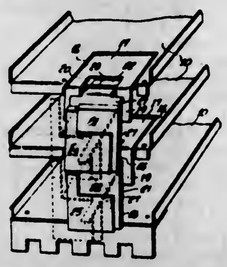
2,480,931
STERILIZING SINK
Paul A. Jaeger, Canton, Ill.
Application August 27, 1946, Serial No. 692,258
4 Claims. (Cl. 21—99)



1. A device for alternate washing and sterilising of dishes and the like, said device comprising a support having two basins thereon arranged in substantially the same horizontal plane, a hot

and cold water mixing valve on said support between said basins, said mixing valve having a discharge pipe movable to supply water to either of said basins, a cover adapted to interchangeably cover either of said basins, retaining means on said support at the edges of said basins for retaining the cover when in place thereon, said cover comprising a flexible pipe secured to discharge through a central part of the top of said cover, means for removably connecting said flexible pipe to said mixing valve discharge pipe and enabling supplying hot water from said mixing valve to a basin covered by said cover, and drain valves at the bottom of said basins, the drain valve of the covered basin being adapted to be open while hot water is supplied to the covered basin for sterilising dishes or the like present in the covered basin and the drain valve of the uncovered basin being adapted to be closed to retain wash water in which dishes or the like reside in preparation for sterilization in a covered basin.

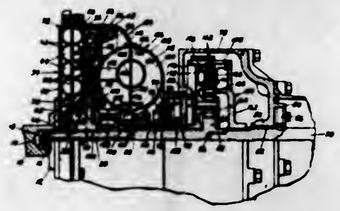
2,480,932
MERCHANDISE CONTROL GATE FOR VENDING MACHINES
Frazier N. James, Dallas, Tex., assignor of one-third to Richard A. Gump, one-sixth to C. M. McMullin, and one-sixth to Collins Kilgore, all of Dallas, Tex.
Application August 21, 1948, Serial No. 45,501
5 Claims. (Cl. 312—48)



4. In a bottle vending machine having a vertical bottle delivery magazine and a series of communicating inclined bottle storage magazines, a gate at the discharge end of each of said inclined storage magazines, said gates each comprising a series of relatively hinged plates, the uppermost plate being hinged to the floor of an inclined storage magazine, the companion plates being suspended and adapted to close the discharge end of the next lowest inclined magazine by pressure of bottles in said delivery magazine thereon and means on said uppermost plate adapted to be engaged by bottles in said inclined magazine to displace all of said plates when pressure on said suspended plates is relieved.

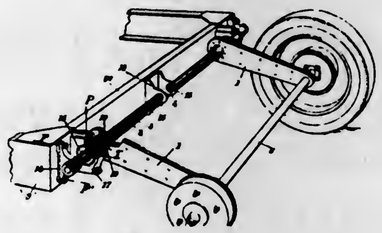
2,480,933
TRANSMISSION
Vladimir J. Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1945, Serial No. 625,307
3 Claims. (Cl. 74—732)

1. A transmission comprising a fluid coupling including an impeller and a runner, a fluid torque converter associated therewith including an impeller, a turbine, and a reaction member freely rotatable in one direction and held against rotation in the reverse direction, a fluid pressure actuated clutch for locking the runner and the turbine together a mechanical transmission connected to the coupling and to the converter, a fluid pressure actuated clutch for the mechanical transmission, a fluid pressure actuated brake for the mechanical transmission, a fluid pressure system connected to the clutches and to the brake,



means connected in the system and adapted to be actuated by the reaction member for control of flow of fluid to the clutch for locking the coupling to the converter, means connected in the system for control of the flow of fluid to the clutch of the mechanical transmission and a manually actuated means connected in the system for control of the fluid pressure actuated brake.

2,480,934
SUSPENSION SYSTEM FOR AUTOMOBILE VEHICLES
Maurice François Alexandre Julien, Paris, France
Application March 5, 1945, Serial No. 581,007
In France November 22, 1944
3 Claims. (Cl. 267—57)

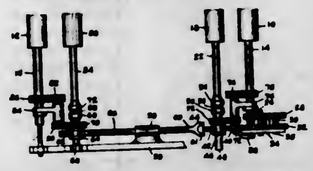


1. In a wheeled vehicle having a chassis-frame including longitudinal side members and at least one transverse member, the distance between said side members being greater than the distance between the two wheels of the corresponding right and left pair of wheels, a suspension device comprising, in combination, a torsional bar running transversely to said side members and fixed at one end to said frame in the vertical plane of one of said side members, said torsional bar extending inwardly from said vertical plane and stopping at a short distance from the vertical longitudinal middle plane of the vehicle, a torsional tube coaxially surrounding said torsional bar, means for coupling the inner end of said torsional bar with the corresponding end of said torsional tube so that torsions are transmitted from one to the other, said tube extending from said end thereof outwardly, a wheel supporting arm fixed to the second end of said tube and extending transversely thereto, and bearing means carried by said frame for supporting said torsional tube against bending stresses.

2,480,935
CHOCOLATE PRODUCTS
Norman W. Kempf, Auburndale, Mass., and Harold H. Heben, River Forest, Ill., assignors, by mesne assignments, of fifty per cent to General Foods Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 9, 1945, Serial No. 609,936
9 Claims. (Cl. 99—23)

1. In a process of making a solidified sweetened chocolate which is non-sticky at temperatures above the melting point of the cocoa butter from a hot plastic chocolate mix including crystallizable sugar, the steps of forming the plastic mix into the desired shape, then applying moisture to the surface of the mix while still in a hot plastic state to cause some of the sugar in the mix to dissolve in the moisture and form a sugar syrup film on the surface, and then drying the film and cooling to solidify the mix with a thin skin of crystalline sugar bonded to its surface.

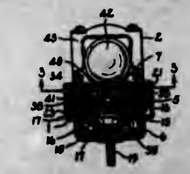
2,480,936
SLUB YARN APPARATUS DRIVE
John Green Kershaw, Westmount, Quebec, Canada, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application December 11, 1947, Serial No. 791,142
In Great Britain June 10, 1947
4 Claims. (Cl. 57—38)



1. In combination with a spinning frame having companion pairs of driven front and back rolls, one pair at each side of the frame, a slub motion apparatus, including a cam mounted for rotation, means for rotating said cam, a first clutch at one side of the machine, a second clutch at the other side of the machine, an elongated connecting rod mounted for rotation on its axis and extending from one side of the frame to the other, a yoke on one end of the rod adapted to engage said second clutch, the other end of said rod having a fork and being formed to provide for rotary leverage, a pivotally mounted pawl lever, said pawl lever including a yoke adapted to engage said first clutch, a second extension for engaging said fork and a first extension engageable by said cam, whereby a motion is transmitted through said pawl lever urging said first clutch into engagement and simultaneously through said rod and yoke urging said second clutch into engagement in the same direction as said first clutch.

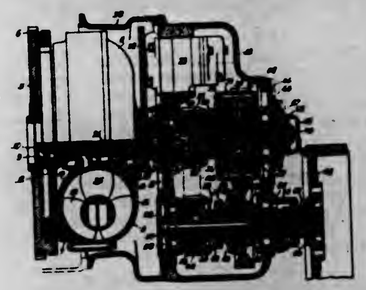
2,480,937
REFRIGERATOR CONTROL THERMOSTAT
Clarence W. Kuhn, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 22, 1946, Serial No. 663,835
4 Claims. (Cl. 297—4)

1. In a dual temperature responsive operating assembly for outside mounting upon an encased refrigerator control device or the like, the combination with a pair of temperature responsive elements of the wafer type each including a rigid cup member having an outwardly extending supporting flange, and each including an expansible diaphragm sealed within said cup member; of securing means associated with the flanges of said



cup members for attaching said wafer elements in axially aligned relation to the casing of said control device and in spaced relation one to another, said securing means comprising a hollow shell forming a spacer between said cup members and forming with said encased device and one of said cup members an enclosure for the assembly.

2,480,938
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application June 28, 1944, Serial No. 542,545
6 Claims. (Cl. 74—732)

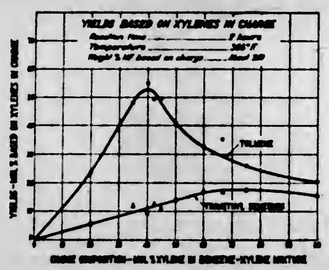


1. In a transmission, a torque convertor including an output shaft, axially spaced gears rotatably mounted on said shaft coupled for conjoint rotation, a countershaft, axially spaced gears rotatably mounted on said countershaft, one of said last-named gears being in constant meshing engagement with one of said first-named gears and the other of said countershaft gears being in constant meshing engagement through an intermediate idler with the other of said output shaft gears, fluid controlled means within one of said output shaft gears for coupling said output shaft gears to said shaft, and axially shiftable clutch means splined on said countershaft for selectively coupling either of said countershaft gears to the countershaft.

2,480,939
XYLENE-BENZENE CONVERSION
Robert J. Lee, La Marque, Tex., and Herschel D. Radford, Columbia, Mo., assignors to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application January 22, 1947, Serial No. 723,648
3 Claims. (Cl. 260—672)

1. The process which comprises contacting a mixture of a xylene and benzene containing be-

tween 35 and 45 mol percent of xylene with at least about 200 weight percent of a catalyst consisting essentially of hydrogen fluoride at a temperature between about 300° F. and about 450° F.

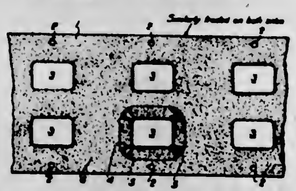


under sufficient pressure to maintain the liquid phase for a reaction period sufficient to produce a substantial amount of toluene, and recovering toluene from the reaction mixture.

2,480,940
PRODUCTION OF ALIPHATIC ETHERS
Leonard N. Leum, Bywood, and Stephen J. Macuga, Lansdowne, Pa., and Saul I. Kreps, Bronx, N. Y., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 20, 1946, Serial No. 698,400
7 Claims. (Cl. 260—614)

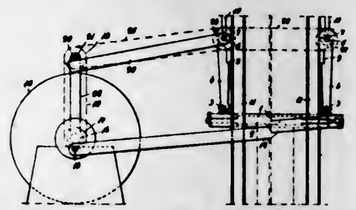
1. The method of producing an alkyl tertiary butyl ether, which comprises contacting isobutylene and an alcohol from the group consisting of primary and secondary saturated aliphatic alcohols of from 1 to 12 carbon atoms, in a mole ratio between 1 to 1 and 1 to 5, with an organic hydrogen ion exchange catalyst of the sulfonated resin type in which the functional group is SO_3H at a temperature between 210° F. and 250° F. under a pressure between 200 and 500 pounds per square inch, and separating the tertiary butyl ether from unconverted reactants.

2,480,941
COMPOSITE RECEPTACLE FOR FLAT CELLS AND METHOD OF MAKING
Richard Walter Lewis, Dundee, Scotland, and Leonard R. Rowe, South Shields, England, assignors to Burndept Limited, Erith, England, a company of Great Britain
Application August 4, 1947, Serial No. 765,965
In Great Britain January 18, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1966
5 Claims. (Cl. 136—175)



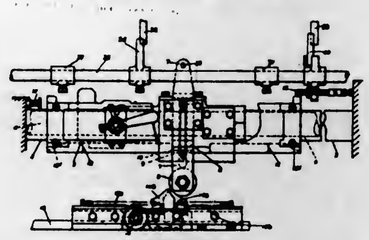
4 In a layer type dry battery, cup-shaped nesting electrodes having their margins printed with insulating ink, in combination with electrolyte-retaining cell-insulating sheets lining the bottom and sides of said electrodes and having their margin printed on both sides with insulating ink, the unprinted areas of the two sides of each said lining sheet being in register with each other and with the unprinted area of the electrode which the sheet lines.

2,480,942
SAWING MACHINE
Ivan Fredrik Lundquist, Norrkoping, Sweden
Application September 4, 1946, Serial No. 694,783
In Sweden September 20, 1945
5 Claims. (Cl. 125—16)



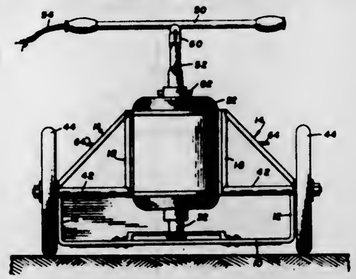
1. In a sawing machine for sawing stone or the like of the type described in combination at least one saw blade suspended oscillatably in transversal direction by means of at least one arm mounted on a rotatable eccentric; and a driving mechanism for imparting to said saw blade a reciprocating longitudinal movement and for rotating said rotatable eccentric in a continuous rotation so as to move said saw blade into engagement with the work piece gradually along a soft curve during the operative stroke of said saw blade and to keep the saw blade raised free from cutting engagement with the work piece during the return stroke.

2,480,943
STRAIGHT BAR KNITTING MACHINE
William Gordon Macdonald and William Arthur Cooper, Loughborough, England, assignors to William Cotton Limited, Loughborough, England
Application September 20, 1945, Serial No. 617,594
In Great Britain August 2, 1944
8 Claims. (Cl. 66—123)



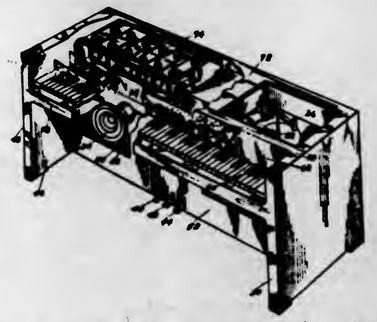
1. A straight bar knitting machine, having a single frictional device for driving a plated splicing carrier from a draw or Coulier mechanism, stops or their equivalent for variably determining the length of traverse of said carrier, and means for disconnecting said carrier from the frictional device in the region of the end of the carrier traverse and for re-establishing the connection at the commencement of the carrier traverse in the reverse direction.

2,480,944
ELECTRIC LAWN MOWER
John J. Malpass, Burgaw, N. C.
Application February 19, 1947, Serial No. 729,545
1 Claim. (Cl. 56—25.4)



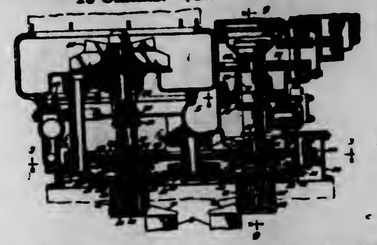
A power mower comprising an annulus consisting of front and rear arcuate sections connected by side upstanding brackets, a pair of wheels secured to the upper ends of said brackets, a motor, adjustable supporting means for said motor secured to said brackets, a telescoping handle secured to said adjustable supporting means and a baffle on said annulus adjacent said handle, said adjustable supporting means comprising a channel member rigidly secured to said motor, a slotted plate secured to said brackets, adjustable friction fastening means extending through said slotted plate and secured to said channel member, said baffle comprising a housing having a peripheral configuration complemental to the shape of the arcuate sections of said annulus thereby preventing cut flora from being projected against the operator of said handle.

2,480,945
ELECTRONIC MUSICAL INSTRUMENT
George H. Marmont, Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1946, Serial No. 697,324
5 Claims. (Cl. 84—1.19)



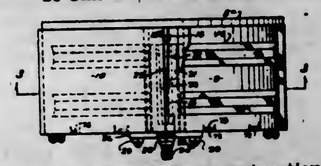
1. In a combination electronic piano and organ, a bank of vacuum tubes each having a cathode, an anode, a plurality of grids and a plurality of pattern electrodes, a condenser connected to each of the grids and charged from a power supply for maintaining the bias voltage of each grid at cutoff potential, means operative in one phase to depart from grid cutoff potential by partially discharging the condensers, and in another phase to completely discharge the condensers and maintain discharge thereof, means for amplifying signals from the pattern electrode of each tube and means for transforming the signals into audible sounds.

2,480,946
TORSIONAL VIBRATION DAMPER
Charles J. McDowall and Oscar V. Mentieth, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 2, 1943, Serial No. 500,950
13 Claims. (Cl. 74—574)



1. The combination of a pair of power driven shafts subject to torsional vibration, a torsional vibration damper operatively connected to each of said shafts, and means at one end of said shafts for coupling said shafts together so that each of said dampers is effective to dampen torsional vibration in either or both of said shafts, a power output shaft, and means at the other end of said shafts operatively connecting both of said shafts to said power output shaft.

2,480,947
BRAKE SHOE CONSTRUCTION
Paul R. McEachran, Downey, Calif.
Application May 31, 1946, Serial No. 673,466
10 Claims. (Cl. 188—234)



1. A removable brake-shoe construction which comprises: a brake-shoe support provided with a cylindrical surface; a pair of removable brake-shoes adapted for mounting on said surface in longitudinally alined relation with adjacent ends thereof abutting one another, each of said brake-shoes comprising a base element and a friction element provided with longitudinally extending interlocking means in frictional sliding engagement with one another, said base elements being adapted to overlie said cylindrical surface and being each provided at their respective spaced ends with an upstanding flange portion adapted to constrain the respective friction elements against sliding movement toward said spaced ends; cooperating attachment means at said spaced ends and on said support adapting said base elements for transverse sliding engagement upon said support, and attachment means engaging said base elements at the adjacent ends thereof to constrain the same against movement in a radial direction away from said cylindrical surface, one of said attachment means comprising means adapted to engage one of said base elements and produce relative movement between said base elements in a direction such as to cause

the adjacent ends of the friction elements to be brought into compressive abutting engagement with one another.

2,480,948
PARA-KITE ATTACHMENT
Max A. Meem, Salem, Oreg.
Application July 23, 1948, Serial No. 40,381
9 Claims. (Cl. 244—155)



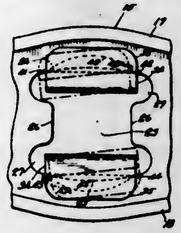
8. A releasable parachute-attaching means for a kite comprising releasable latch means supported on said kite, a kite-control line attached to said latch means effective to release said means upon sudden jerking of said control line, a parachute including a suspension element connected thereto, a releasable parachute-retaining means on said kite including locking means engaging said suspension member, a releasable member connected to said locking means and movable to release said retaining means upon movement thereof, and a control line connected between said released member and said releasable latch means so that release of said latch means will effect release of said retaining means and thereby effect the release of said parachute from the kite.

2,480,949
VISCOUS WATER-SOLUBLE CELLULOSE ETHER SOLUTIONS AND PROCESS FOR MAKING SAME
Charles R. W. Morison, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 6, 1946, Serial No. 645,949
15 Claims. (Cl. 106—197)

1. An aqueous solution of a water-soluble cellulose ether selected from the class consisting of the water-soluble alkyl celluloses and the water-soluble hydroxyalkyl celluloses and, as a thickening agent therefor, at least 0.1% of a water-soluble salt of alignic acid, said aqueous solution being substantially gel-free and smooth-flowing and having a pH value within the range between 4 and 11.

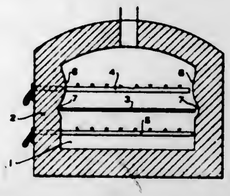
2,480,950
CARTRIDGE BELT LINK
John J. Murphy, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application July 14, 1945, Serial No. 605,079
3 Claims. (Cl. 89—35)

3. A cartridge belt link comprising a first cartridge-receiving part, and a second cartridge-receiving part, one of said parts including aperture means having opposed outer curved edges and the other of said parts including a pair of flat longitudinally disposed tongues extending therefrom at least one of which is resiliently formed, each of said pair of tongues terminating



in an outwardly projecting lug, said tongues extending through said aperture means whereby said lugs engage said one part adjacent said curved edges for holding said parts together and the edges of said flat tongues engage said curved edges for resiliently restraining relative twisting movement of said parts.

2,480,951
BAKING OVEN
Theodoor R. Neutelings and Willem Neutelings, Bergen op Zoom, Netherlands, assignors to Industrie- en Handelmaatschappij "De Vuurslag" C. V., Bergen op Zoom, Netherlands, a company of The Netherlands
Application November 16, 1946, Serial No. 710,342
In the Netherlands May 7, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 7, 1962
2 Claims. (Cl. 107—55)

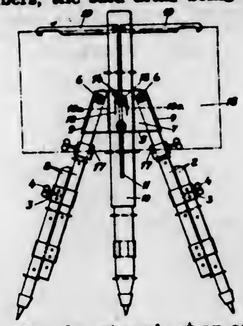


1. A baking oven having a baking room formed as a horizontal tunnel, through which the goods to be baked are carried by a conveyor, the sidewalls of the baking room above the conveyor, being provided, with a part projecting into the baking room and having a segmental shape in vertical section, said projecting part extending in the longitudinal direction of the baking room.

2,480,952
EASEL
Nils Adrian Nilsson, Stockholm, Sweden
Application December 13, 1945, Serial No. 634,708
In Sweden January 24, 1944
2 Claims. (Cl. 248—197)

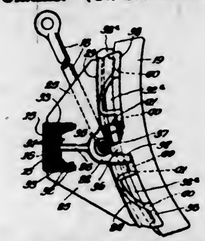
1. An easel comprising a standard slidably supported by three legs and adapted to be locked in the desired position, hook members being displaceably arranged on two of the said legs, the upper portion of the standard being provided with

two arms for holding a picture placed on the said hook members, the said arms being adapted to



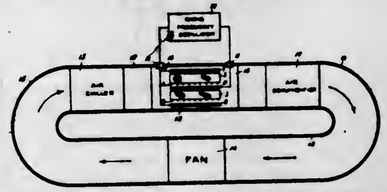
be swung obliquely outwards at an angle to each other.

2,480,953
UNITARY BRAKE BEAM AND HEAD
Clarence W. Osner, Chicago, Ill.
Application April 25, 1947, Serial No. 743,825
6 Claims. (Cl. 188—223.1)



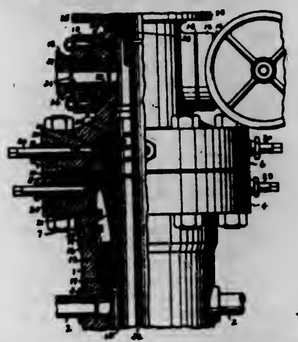
1. In a car brake, the combination of a brake beam member, a tension member having its end portions shaped at an angle with respect to the major portion of said tension member and welded strongly to the face of the beam member, a built-up brake head including a connecting plate having an edge portion shaped to fit the beam member and the tension member at each end of the beam structure and welded strongly to said beam and tension members, and means for spacing apart intermediate portions of the beam member and the tension member for giving the parts a tightened truss arrangement.

2,480,954
DEHYDRATION OF FOODS BY SUBLIMATION
Robert T. Palmer, Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application May 6, 1944, Serial No. 534,501
1 Claim. (Cl. 34—1)



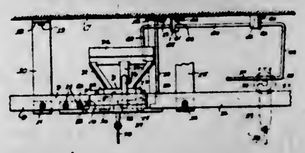
The method of dehydrating food which comprises placing the food within an enclosure in an alternating electrostatic field for driving moisture within the food to its surface by electrostatic heat produced within the food, and circulating unsaturated air chilled to a temperature below the freezing temperature of the moisture on the surface of the food, over the surface of the food for forming ice from the moisture on its surface and for subliming the ice.

2,480,955
JOINT SEALING MEANS FOR WELL HEADS
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application October 29, 1945, Serial No. 625,140
5 Claims. (Cl. 285—22)



1. In a well head apparatus comprising, a lower well head, an upper well head supported upon the lower head and connected directly thereto whereby only a single joint is provided between said heads, and a well casing extending through and supported within the lower head and having its upper free end projecting into the upper head beyond the joint between said heads, the improvement which resides in means for reducing the effective pressure area which is tending to separate the connected well heads, said means including, sealing means located in the base of the upper well head between the free end of the well casing and the joint between the heads, whereby pressure from the exposed free end of the casing is prevented from access to the joint between the connected heads.

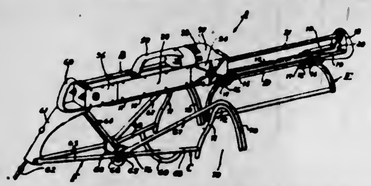
2,480,956
OVERHEAD TROLLEY CONVEYER
Carl Peschke, Detroit, Mich.
Application June 29, 1945, Serial No. 602,187
2 Claims. (Cl. 104—100)



1. A switch-throwing mechanism for a trolley conveyor having main and tributary trolley rails and switch means arranged to alternately connect said tributary trolley rails with the main trolley rail, said switch-throwing mechanism comprising a rotary shaft disposed with its axis of rotation substantially horisontal having a transversely projecting trolley engaging arm at

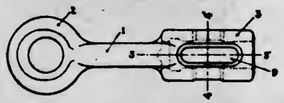
one end thereof and a transversely-projecting switch throwing arm at the other end thereof engageable with said switch means, the trolley engaging arm of said shaft having an arcuately curved portion extending above said tributary rail and disposed in the path of a trolley movable along said tributary rail and engageable thereby.

2,480,957
PORTABLE POWER-DRIVEN RECIPROCATING SAW
Ross W. Phelps, Orillia, Ontario, Canada
Application March 7, 1946, Serial No. 652,571
4 Claims. (Cl. 143—68)



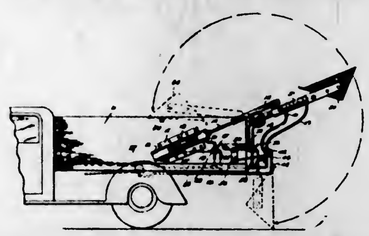
1. A portable reciprocable saw comprising an elongated housing, a saw carriage guide underlying the housing and projecting from one end thereof, a reciprocable saw carriage slidably mounted on said guide, a saw blade, means for connecting said saw blade with said carriage for reciprocation with the latter, a pair of endless chains mounted in parallel laterally spaced relation within the housing, sprocket wheels operatively mounted within the casing carrying said chains, a link rod connected at one end to said carriage and having its other end projecting through an end wall of said housing, means for pivotally connecting said link rod with said chains, a guide yoke pivotally connected to said opposite end of the link rod, longitudinally extending guideways within the housing in spaced apart parallel relation, a plurality of rollers carried by said guide yoke and extending into said guideways, means for rotating said sprocket wheels to cause said chain to travel in an endless circuit to cause reciprocation of said saw blade, and means connected with said carriage engaging said guide for guiding said carriage during reciprocation.

2,480,958
FORKED CONNECTOR AND ROD ASSEMBLY
Frank H. Pietsch, St. Louis, Mo., assignor to Western Railway Equipment Company, St. Louis, Mo., a corporation of Missouri
Application July 2, 1946, Serial No. 681,392
6 Claims. (Cl. 287—20.2)



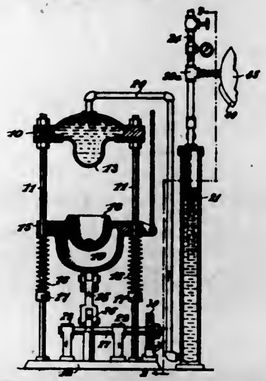
1. A forked connector having a forked pin receiving portion at one end and a tubular rod receiving shank portion at the other end, said connector comprising two duplicate parts each having an end portion adapted to form one branch of said forked portion and a longitudinally recessed end portion adapted to form one longitudinal half of said shank portion, the longitudinal recess of each of said duplicate parts being formed adjacent to its inner end with a second deeper recess adapted to accommodate an enlarged inner end portion of said rod and at said inner end with a third shallower recess adapted to form an abutment for said enlarged inner end of said rod.

2,480,959
CARGO LOADER FOR VEHICLES
Harry E. Presnell, Mesa, Ariz.
Application July 2, 1947, Serial No. 758,879
1 Claim. (Cl. 214—78)



A unitary apparatus of the character described adapted to be attached to a truck and comprising a frame, a transversely extending shaft revolubly mounted in the frame, a pair of arms affixed to the shaft, means for revolving the shaft, a scoop carried by the lower ends of the arms and hydraulically operated means for moving the scoop longitudinally of said arms, said means for moving the scoop longitudinally of said arms comprising a pair of supports for the scoop slidably mounted upon the arms, a hydraulic ram interconnecting the arms and the supports, a source of power for the rams and a valve for controlling the rams and said means for revolving the shaft comprising a hydraulic ram affixed to the truck, a rack movable by the ram, a gear carried by the shaft and enmeshed with the rack, a source of hydraulic power for the ram and a control valve for the ram.

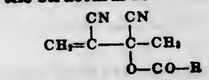
2,480,960
HAT FORMING MACHINE
Morris Press, Brooklyn, N. Y., assignor to Miller Bros. Hat Co. Inc., New York, N. Y., a corporation of New York
Application January 15, 1947, Serial No. 722,223
2 Claims. (Cl. 223—13)



1. In a hat forming machine having an upper head with an inflatable hat forming body, a lower head with a hat forming body, means for operating the inflatable hat forming body, and means for operating the lower head, the combination of a rotatable drum, a plurality of valves disposed in alignment along said rotatable drum, means on the drum for opening or closing said valves, said means being spaced from each other on the drum along the aligned valves, means controlled by certain of said valves to control the aforesaid operating means for the inflatable hat forming body, means controlled by the other valves to control the aforesaid operating means for the lower head, and means for rotating the drum, whereby the lower head is moved towards the upper head and the upper head operatively conditioned for forming the hat, and the lower head is moved away from the upper head, when the hat is formed, in timed relation with the actuation of said valves.

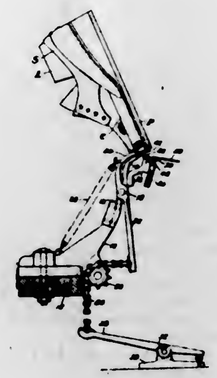
2,480,961
METHOD OF MAKING ALPHA, BETA-DIMETHYLENESUCCINONITRILE
Erhard J. Prill, Cresskill, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 29, 1947, Serial No. 771,378
5 Claims. (Cl. 260—465.8)

1. A method of making α,β-dimethylenesuccinonitrile which comprises heating a 2,3-dicyano-3-buten-2-yl ester of a monocarboxylic acid, having the structural formula



where R is selected from the group consisting of hydrogen, alkyl groups having from one to six carbon atoms and phenyl, for a time of from 15 to 30 seconds in a reaction zone maintained at a temperature of from 400° to 500° C., removing the products from the reaction zone, and recovering α,β-dimethylenesuccinonitrile therefrom.

2,480,962
DEVICE FOR TURNING PLATFORM COVERS ON SLIP-LASTED SHOES
Walter W. Prue, Auburn, Maine, assignor to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey
Application November 15, 1946, Serial No. 709,927
2 Claims. (Cl. 12—1)



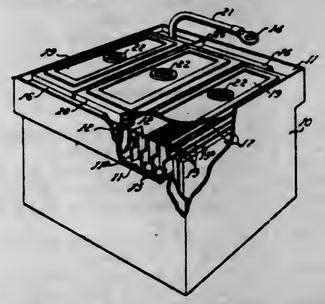
2. A platform cover turning machine, comprising a treadle operated bench pincer for gripping a portion of the platform cover of a shoe, a plate having an unobstructed upper surface engageable with the platform of the shoe, an arm carried by said pincer, a pivotal mounting on said arm for said plate, said pivotal mounting being positioned just below the plate and close to the gripping portion of the pincer, said plate having its major portion substantially flat and having its edge adjacent to the pincer slightly raised above the level of its flat portion to engage the margin of the platform adjacent to the pincer, a stop on said arm between said mounting and said pincer, positioned to hold the raised edge portion of said plate at the gripping portion of said pincer, and yieldable means carried by said arm for retaining said plate against said stop.

2,480,963
CONNECTOR
Clark E. Quinn, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 12, 1946, Serial No. 661,565
2 Claims. (Cl. 173—328)



1. A connector assembly adapted to mate with a second connector assembly to form a readily separable electrical connector, the first assembly including; an insulator, two concentric contact members slidable axially in said insulator, each of said contact members having an outwardly facing contact surface normal to the common axis of the contact members, means axially biasing each contact and urging its contacting surface in an outward axial direction with respect to said insulator, each contact member having a projection thereon engaging said insulator to hold it in assembly therewith.

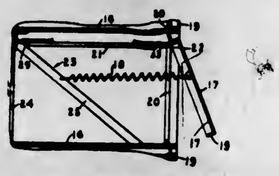
2,480,964
STORAGE BATTERY PLATE CONNECTION
Walter Randall, Dallas, Tex.
Application December 20, 1946, Serial No. 717,430
2 Claims. (Cl. 136—30)



2. In a storage battery, an insulated case having a plurality of compartments, a transversely partitioned trough on each side of said case, separated from the case proper by a longitudinal partition having a plurality of vertical slots defining fingers, a group of alternate negative and positive plates in each compartment of said case, a lug

on one upper corner of each of said plates extending into a trough between the fingers of said longitudinal partitions, a cover for each compartment of said case having a right angle flange on each end slotted to receive the lugs on said plates, a lead flowed seal in each of said troughs adapted to burn said plates into groups, said groups into elements and said elements into cells and to secure said covers against displacement and a current out-put and ground means embedded in said lead seal.

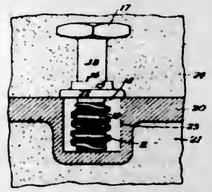
2,480,965
CLOSURE FOR VEHICLE BODIES
Theodore K. Remke and Eugene F. Smith, Detroit, Mich.
Application May 1, 1945, Serial No. 24,644
7 Claims. (Cl. 296—24)



2. A closure for a vehicle body comprising a door supported on the body for a pivotal movement and a sliding movement relative thereto and having a closed position, a substantially normal horizontal open position which is disposed within the body, and a pivotal axis for said pivotal movement located substantially coincident with the top edge of the door in its closed position and adapted to permit the door to swing outwardly and upwardly from said closed position into a horizontal position; means for guiding the door in a sliding movement in said horizontal position to said open position; and resilient means yieldably connecting said door to a portion of the body wherein said resilient means is connected to said door at a point spaced from said pivotal axis, wherein said point is fixed relative to said door, wherein said point is below the pivotal axis when the door is in its closed position, said point traversing the path of a portion of the door upon both pivotal and sliding movement of said door, and wherein said resilient means extends rearwardly from said door in a line which lies substantially below said horizontal open position when said door is closed and extends rearwardly and downwardly from said door at an angle to said horizontal open position when said door is open, and wherein said resilient means is under tension at all points on said path.

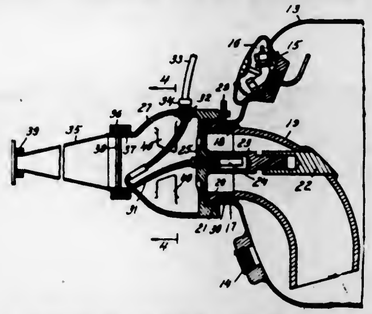
2,480,966
APPARATUS FOR MAKING CAST BODIES WITH INSERTED COILS
Arthur T. Richardson and Warren A. Smith, Geneva, Ill., assignors to Smith & Richardson Manufacturing Company, Geneva, Ill., a corporation of Illinois
Application October 21, 1944, Serial No. 559,868
2 Claims. (Cl. 22—125)

1. A pattern and flask assembly for a mold for casting screw-thread-forming wire coils in cast metal bodies, comprising: a mould including upper and lower flask sections for sand, a pattern in the lower flask section provided with a face at the parting line of the mould, and with a downwardly extending recess in said face, a mandrel provided with a screw thread extending into the recess, a wire-coil screwed on the thread of and separable from the mandrel, in, and spaced from the side of the recess in the pattern, and having its ends terminating in said recess, an annular abutment on the mandrel engaging said face of the pattern for supporting the mandrel with the wire coil thereon in the recess, an upwardly extending stem on the mandrel around which the sand may be interfittingly packed for securing the mandrel in the upper flask section when it is separated



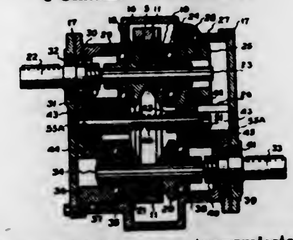
from the pattern means on the mandrel extending into the recess to meet the upper end of the coil, and of less diameter than the outer diameter of the coil, for forming an annular pocket in the mold for casting metal between a portion of the abutment on the mandrel and the upper end of the coil when the pattern is removed from the mold.

2,480,967
AERIAL DISCHARGE DEVICE
Alexander J. Ritchie, Bayonne, N. J., assignor to Electric Boat Company, Bayonne, N. J., a corporation of New Jersey
Application January 18, 1946, Serial No. 641,897
3 Claims. (Cl. 222—394)



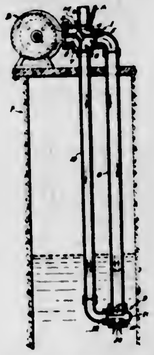
3. A device for the aerial discharge of a liquid comprising a container adapted to contain a liquid under a gaseous pressure, an outlet tube adapted to dip beneath the liquid level in the container, a stud positioned within and secured to said tube, a blow tube connected to said stud and having a hollow body, a throat ring associated with the delivery end of said outlet tube and having an annular seat of relatively soft metal on its outer face, a disc connected to said blow tube and having an interior circular ridge, the connections between the stud and blow tube and between the blow tube and disc being such that turning of the disc draws it toward said stud until said ridge bites into said annular seat and the disc closes the delivery end of the outlet tube, explosive means within said hollow body adapted to rupture the connection between said disc and blow tube to permit the gaseous pressure within the container to move the disc away from its closing position with respect to the tube, and means exterior of the container for initiating the action of said explosive means.

2,480,968
VARIABLE TRANSMISSION MEANS
Ernest Renal, Woollahra, near Sydney, New South Wales, Australia
Application October 15, 1945, Serial No. 622,428
In Australia August 30, 1944
8 Claims. (Cl. 74—193)



1. Variable friction gear transmission of the type wherein a driving shaft and a driven shaft are provided with pairs of bevel members or discs arranged to contact a friction ring transmission member, comprising a slidable friction ring transmission member consisting of an inner ring having provision for contact with the bevel members or discs, and an outer ring portion slidably rotatably mounted on the said inner ring, and adapted to engage and lock to and revolve with said inner ring upon deformation of said inner ring when the drive is taken or load received, a relaxation or complete cessation of the driving power or the load causing the said outer ring to be disengaged and to continue in revolution until the momentum is exhausted.

2,480,969
PUMPING APPARATUS FOR DEEP WELLS
Esaú da Silva Rosa, Porto, Portugal
Application October 29, 1946, Serial No. 706,441
In Portugal November 15, 1945
5 Claims. (Cl. 103—260)



1. In a pumping apparatus, an air and liquid mixing device having an inlet port for the admission of liquid to be pumped, a pump having inlet and outlet ports, a pipe for supplying air to said device, a mixture conducting pipe connected with the mixing device, and valve means operable in one position to conect both of said pipes with the pump outlet port and operable in another position to establish communication between the mixture conducting pipe and the pump inlet port and to simultaneously establish communication between the air supply pipe and the atmosphere.

2,480,970
PHTHALEIN-ALDEHYDE ION-EXCHANGE RESINS AND METHOD OF PREPARING SAME
Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 30, 1946, Serial No. 687,229
4 Claims. (Cl. 260—57)

1. A process for the preparation of insoluble cation-exchange resins which comprises condensing by heating two moles of a phenol from the class consisting of hydroxybenzene, m-cresol, 3,5-dimethylphenol, and resorcinol with one mole of phthalic anhydride in the presence of sulfuric acid, neutralizing the resultant reaction mixture with a strong base, then condensing in aqueous solution under the influence of heat formaldehyde and said neutralized reaction product in the ratio of 2 to 4 moles of formaldehyde for each mole of phenol in said reaction product, continuing the condensation until a gel is formed, drying and heating said gel until it is converted into a porous mass of insoluble, infusible resin, washing said resin with dilute mineral acid, and converting said resin into the hydrogen form.

2,480,971
SENSITIZATION OF HYDROGEN BROMIDE CATALYZED OXIDATION REACTIONS
Frederick F. Rust, John H. Raley, and William E. Vaughan, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application January 17, 1944, Serial No. 518,664. Divided and this application March 28, 1947, Serial No. 738,018
7 Claims. (Cl. 260—514)

7. In a process for the controlled oxidation of hydrocarbons by the action of oxygen in the presence of effective amounts of hydrogen bromide at temperatures of from about 100° C. to about 225° C., the improvement providing a more complete combination of oxygen and allowing the use of less hydrogen bromide which comprises, replacing from 0.1 to 10% of the hydrocarbon with a monochloride of a three carbon atom acyclic hydrocarbon.

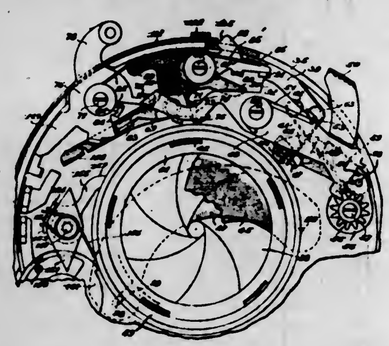
2,480,972
CARTRIDGE BELT LINK
Roy S. Sanford, Woodbury, and William J. Andres, Waterbury, Conn., assignors to The Auteyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application November 13, 1945, Serial No. 628,207
17 Claims. (Cl. 89—35)



2. A cartridge belt link comprising a first arcuate cartridge receiving part, a second arcuate cartridge receiving part, one of said parts including a pair of longitudinal slots having outer curved edges, an arcuate tongue extending a substantial

distance around the other of said arcuate parts and attached thereto at one end thereby to impart resiliency to said tongue, a flat finger extending from said tongue at the other end, a second finger extending from said other arcuate part, and lugs projecting outwardly from each of said fingers, said fingers extending through said slots whereby said lugs engage said one part adjacent said curved edges for holding said parts together and said fingers engage said curved edges for resiliently restraining relative twisting movement of said parts.

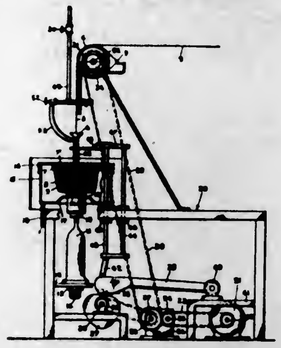
2,480,973
SHUTTER AND DIAPHRAGM MECHANISM FOR CAMERAS
Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Application April 28, 1945, Serial No. 590,770
15 Claims. (Cl. 95—64)



1. A camera shutter comprising a plurality of shutter blades, a plurality of diaphragm leaves, operating means for opening and closing said blades for effecting a camera exposure independently of movement of said leaves, auxiliary means for opening said blades during focusing adjustment of the camera, actuating means separate from said operating means for opening and closing said leaves, and retaining means connected with said actuating means and movable thereby to position for engaging and retaining said auxiliary means in position for opening said shutter blades while said actuating means is in position for opening said diaphragm leaves.

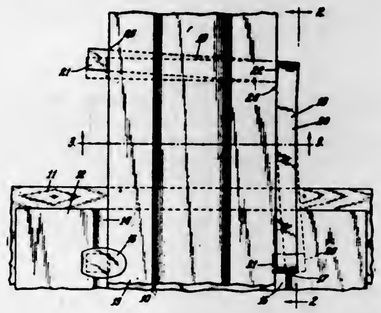
2,480,974
APPARATUS AND METHOD FOR PRODUCING HIGH-TENACITY YARNS
George W. Seymour and Dustin Y. Miller, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application May 19, 1945, Serial No. 594,787
4 Claims. (Cl. 57—35)

1. In a process for the production of high tenacity regenerated cellulose filamentary materials by a process involving the saponification of high tenacity stretched filamentary materials having a basis of cellulose acetate, the steps which comprise wetting out said stretched cellulose acetate filamentary materials with a 10 to 40% by weight aqueous solution of acetone, taking up said wetted filamentary materials in cake form and effecting the saponification of said filamentary materials as said cake is formed by spraying thereon an aqueous solution of sodium hydroxide and continuously removing spent saponifying medium



therefrom by applying a centrifugal force to said cake.

2,480,975
RAIL ANCHOR
Robert S. Stephens, Decatur, Ill.
Application March 8, 1946, Serial No. 652,991
5 Claims. (Cl. 238—315)



1. A rail anchor for resisting longitudinal creeping movements of a railroad rail comprising a bar bent intermediate its ends to provide arms, one of which extends beneath the rail and is provided with an abutment for engaging a vertical edge portion of the rail base at one side of the rail and the other arm extends lengthwise of the rail along a vertical edge portion of the rail base at the other side of the rail and is provided with a bearing surface engaging the last mentioned vertical edge portion adjacent the first mentioned arm but diverges outwardly from the rail base from the said bearing surface to the end of the arm and is adapted to be tensioned by forcibly flexing the arm in a direction toward the rail, whereby manual movement of the diverging arm about said bearing surface engagement with the rail and in a direction toward the rail moves the first mentioned arm to a position extending diagonally across the rail base, tensions the diverging arm, and forces said abutment and said bearing surface into resilient gripping engagement with the opposite edges of the rail base, and fastening means engaging the diverging arm to hold it under tension.

2,480,976
SHAFT COUPLING
Charles J. Stuart, Winchester, Mass., assignor to Wellman Company, Medford, Mass., a corporation of Maine
Application May 8, 1946, Serial No. 668,100
2 Claims. (Cl. 287—113)



1. A slidable shaft coupling comprising telescoping inner, intermediate, and outer members, said intermediate member being adapted to be connected to one shaft and said inner member being adapted to be connected to the other shaft, said intermediate member having diametrical slots extending through its side and end walls, a head on said inner member comprising diametrical projections extending into said slots and forming a slidable and non-rotatable connection between said inner and intermediate members, said outer member having an open end and slidable over said intermediate member with a close fit, a closure flange on said outer member having a central opening therein and diametrical slots extending therefrom and corresponding in shape and size to the end view of said inner member and said projections thereon, and means for securing said outer member on said intermediate member with said slots in each of said members out of registration with each other.

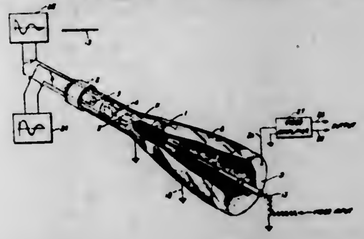
2,480,977
ROTARY CIGARETTE DISPENSER
Luis Still, Buenos Aires, Argentina
Application September 7, 1945, Serial No. 614,851
In Argentina July 21, 1945
2 Claims. (Cl. 312—97.1)



1. A cigarette holding arrangement comprising in combination an outer cylindrical container having a vertical axis; a longitudinal vertical slot in said outer cylindrical container extending parallel to said said vertical axis thereof; an inner cylindrical container arranged within said outer cylindrical container coaxially therewith and being rotatable about said axis relative to said outer cylindrical container; a longitudinal vertical slot in said inner cylindrical container extending parallel to said vertical axis thereof; a cigarette holder rotatably mounted within said inner cylindrical container coaxially therewith; and a cover for said holder and said containers fixedly mounted on said cigarette holder for rotating said cigarette holder within said inner cylindrical container.

2,480,978
CATHODE-RAY TUBE SIGNAL COMPARATOR
David E. Sunstein, Cynwyd, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1947, Serial No. 730,885
6 Claims. (Cl. 250—158)

1. A cathode ray tube structure comprising: means for forming an electron beam; a screen upon which said beam is adapted to impinge to cause secondary electrons to be emitted, said screen being displaced from said beam forming means and extending transversely to the path of said beam; a deflecting electrode disposed interjacent said beam forming means and said screen and substantially displaced from said screen; a connection for applying deflecting signals to said deflecting electrode, said connection extending to-



ward and passing through said screen; a conductive electrode at least partially coextensive with said screen and adapted capacitively to respond to variations in the electrical charge on said screen owing to variations in the secondary emission from said screen; and a conductive shield interposed between said last-named electrode and said connection for appreciably reducing capacitive coupling between said output electrode and said connection.

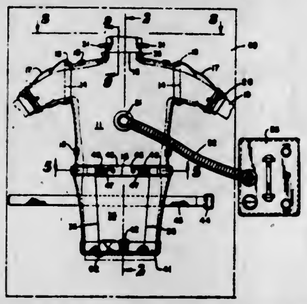
2,480,979
SHIFTABLE TYPE HEAD MECHANISM FOR TYPEWRITING MACHINES
Oscar W. Swanson, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1945, Serial No. 631,884
9 Claims. (Cl. 197—37)



1. In a typewriting machine, a type bar, a type head shiftably mounted on the bar, types carried by said head and arranged to be shifted respectively into and out of operative positions by the shifting movements of said head, a member mounted on said bar and engaging said type head for holding the head in position on the bar for the engagement of one of said types with the work sheet and cooperating means respectively on the member and bar and interfittable and disengageable by relative manipulation of the member and bar for holding the member removably in place on the bar comprising a projection on the bar forming an overhanging portion beneath which said member is inserted and a second pro-

jection on the bar for engaging in an opening in said member to hold the member in position beneath said overhanging portion.

2,480,980
RESPIRATOR APPARATUS
Ferdinand H. Terhaar, Los Angeles, Calif.
Application October 12, 1946, Serial No. 702,032
2 Claims. (Cl. 128—29)



1. In apparatus of the character described: a rigid transparent shell defining a pressure chamber for reception of the chest portion of a person to be treated, said shell having arm, neck and waist openings; means for sealing the arm openings with respect to the arms of said person; means for sealing the neck opening with respect to the neck of said person; means for sealing the waist opening, said means comprising elastic front and rear aprons secured centrally along an edge portion to the front and back respectively of the shell adjacent said waist opening; means for securing said aprons in sealing engagement with the shell about the waist opening; and means for sealingly securing the free end portions of the aprons about the waist of said person.

2,480,981
RECORDING AND COMPUTING MACHINE
Emil F. Thierfelder, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 30, 1944, Serial No. 551,931
20 Claims. (Cl. 235—59)

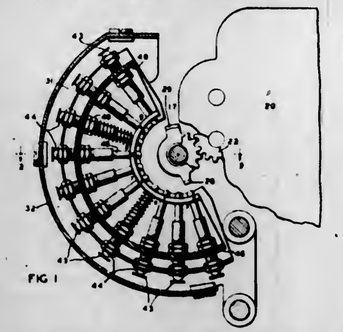


FIG 1

1. In a machine of the class described having a plurality of numerical wheels and associated settable disks to be sensed, the combination of a plurality of projectable sensing elements to be moved toward each disk as it is presented for sensing, diametrically disposed contact members on said disks to be disposed according to the value of the setting in the numeral wheels, one of said contact members adapted to engage two adjacent projectable members at one time and the other adapted to engage only one of said projectable members at a time.

2,480,982
PRODUCTION OF CHLORINATED ALIPHATIC COMPOUNDS
Peter James Thurman and John Downing, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 19, 1945, Serial No. 623,444
2 Claims. (Cl. 260—658)

1. Process for the manufacture of 1:1:2-trichlorethane, which comprises bringing free chlorine into contact with ethylene dichloride, to which a small proportion of phosphorus pentachloride has been added, while the ethylene dichloride containing the phosphorus pentachloride is at a temperature of 80°–105° C.

2,480,983
HYGROSCOPIC COIL FOR HUMIDITY INDICATORS
Paul O. Unger, Elmhurst, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1947, Serial No. 728,645
9 Claims. (Cl. 297—1)



1. A hygroscopic coil for a humidity indicator, comprising a composite element including a thin metal backing, a strip of absorbent material and absorbent threads piercing the absorbent material and metal backing whereby they are permanently joined together.

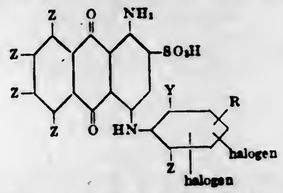
2,480,984
MANUFACTURE OF PILE FABRICS
Hans Van Issum, Heaton, Bradford, England, assignor, by direct and mesne assignments, to Fabric Development Company Limited, Bradford, Yorkshire, England
Application May 12, 1947, Serial No. 747,414
In Great Britain November 6, 1945
11 Claims. (Cl. 154—76)



11. A process for manufacturing a pile fabric, which comprises forming a layer of solid pierceable and desolidifiable, supporting substance, placing a flexible backing material against one surface of said layer, forming a pile in said substance by sewing yarn through said layer and said backing so that the longitudinal runs of the yarn rest on the exposed face of said layer and loops of said yarn extend beyond the outer face of said backing, concatenating said yarn loops on the outer face of said backing, and desolidifying said substance to remove the layer from the yarn and expose a pile fabric.

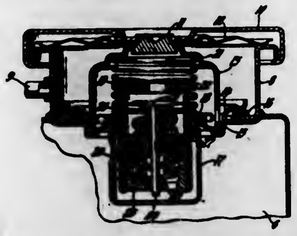
2,480,985
ACID DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF MAKING SAME
Samuel von Allmen and Hans Eggenberger, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application July 7, 1947, Serial No. 759,470. In Switzerland July 26, 1946
8 Claims. (Cl. 260—374)

5. As new articles of manufacture the acid dyestuffs of the anthraquinone series of the general formula



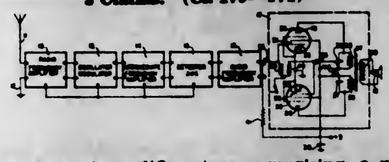
wherein Y stands for alkyl, R stands for a substituent selected from the group consisting of hydrogen, alkyl and halogen and wherein one Z stands for a sulfo group, the other Z being hydrogen, each halogen standing for a member selected from the group consisting of chlorine and bromine, which dyestuffs are, in the dry state, dark blue needles being easily soluble in water with a brilliant blue coloration and in concentrated sulfuric acid with a dull blue coloration, which turns to a brilliant blue on addition of paraformaldehyde, which dyestuffs dye animal and synthetic nitrogen-containing fibres into fast blue shades.

2,480,986
THERMOSTATIC RADIATOR VALVE
Nelson Walker, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1947, Serial No. 751,287
3 Claims. (Cl. 236—92)



2. In a pressure vent valve of the character described, a pressure responsive blowoff valve, a valve seat surrounding a vent opening, temperature responsive control means including a downwardly opening disk valve for cooperation with said seat, said valve being arranged to drop away from said seat and to be responsive to pressure differential on opposite sides of the valve and being free of direct connection with any operating part, a helical coil of bimetal strip arranged to seat said disk valve upon elongation and thereby increase the pressure differential at which the valve will respond, and a guide therefor comprising a slidably mounted pin having fixed thereon a bearing seat for the coil and a rocker abutment projected beyond said seat to contact without fixed connection with a central portion of the disk valve and enable a self-centering action of the disk valve in relation to its seat.

2,480,987
SIGNAL-AMPLIFIER STAGE
Gus W. Wallin, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application March 30, 1945, Serial No. 585,683
3 Claims. (Cl. 179—171)

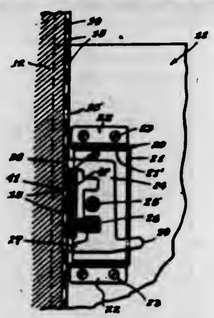


1. A signal-amplifier stage comprising, a pair of constant-high-impedance vacuum tubes of the pentode type each having a cathode, a plate, a control grid, a screen grid and a suppressor electrode, said suppressor electrode being connected to said cathode, a source of potential, means for applying said source of potential between said cathodes and said screen grids of said tubes, a balanced output circuit including a transformer having a pair of primary windings and a resistance element, the impedances of said primary windings being small compared to the plate-cathode impedances of said tubes, one of said primary windings being connected in series with said resistance element and said source of potential between said cathode and said plate of one of said tubes, the other of said primary windings being connected in series with said source of potential between said cathode and said plate of the other of said tubes, coupling means for applying a signal to be amplified between said cathode and said control grid of said one vacuum tube, said one vacuum tube providing an output across said one primary winding and said resistance element which varies linearly with the signal applied to said one vacuum tube, and coupling means for applying the signal developed across said resistance element between said cathode and said control grid of said other of said tubes.

2,480,988
WINDOW SASH LOCK
Albert E. Walton, Detroit, Mich.
Application February 6, 1945, Serial No. 576,436
3 Claims. (Cl. 292—218)

1. A window sash fastener comprising a double acting swinging bolt adapted to be mounted on a window sash for engagement with a keeper member adapted to be mounted on a window frame, said keeper member having a plurality of vertically aligned and substantially equally spaced notches, said double acting swinging bolt having integral upper and lower projections adapted to selectively engage the notches, spring means normally urging said upper projection into a notch to lock said window sash against being raised and means for manually swinging said bolt against said spring loading means to engage said lower projection into a notch to support said window sash in a raised position, the weight of said window sash being sufficient to load said swinging bolt and hold said lower projection in its notch against the force of said spring means, whereupon any unauthorized tampering with said window sash results in relieving the load upon

said swinging bolt induced by the weight of said window sash, thereby allowing said spring means



to act and force said upper projection into a notch to lock said window sash against being raised.

2,480,989
PIVOTALLY ADJUSTABLE SPRAY NOZZLE DEFLECTOR
Thomas J. Weaver, Cream, Utah
Application June 20, 1947, Serial No. 755,925
4 Claims. (Cl. 299—129)



4. A sprayer nozzle comprising a nozzle adapted to be applied to a hose and having an outlet opening at its front end, a member extending downwardly from said nozzle, a sprayer plate in front of the nozzle having a shank extending rearwardly therefrom and across said member with a portion projecting rearwardly from the said member under a rear portion of the nozzle, a pin passing through the shank and said member and pivotally mounting the shank for vertical movement of the plate to angularly adjusted positions in front of the outlet opening, said pin being slidable through the shank and the said member transversely thereof, and an adjusting member associated with said pin and extending through space between the shank and the nozzle transversely thereof at a rearward angle, said adjusting member being movable with the pin and during such movement being moved across the shank and also longitudinally thereof for tilting the shank and thereby moving the plate to angularly adjusted positions.

2,480,990
PREPARATION OF CYCLOPENTANE CARBOXALDEHYDES AND DERIVATIVES THEREOF
Richard R. Whetstone, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 11, 1947, Serial No. 740,964
19 Claims. (Cl. 260—598)

13. Process for the direct production of a cyclopentanecarboxaldehyde which comprises subjecting a tetrahydropyran-2-methanol to the action of a dehydration catalyst at a temperature from about 250° C. to about 500° C.

2,480,991
METHOD OF PRODUCING PENICILLIN PREPARATIONS
Oskar Wintersteiner, New Brunswick, and Harold B. MacPhillamy, Princeton, N. J., and Arthur E. O. Mensel, Grandview on Hudson, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application November 26, 1941, Serial No. 420,596
2 Claims. (Cl. 260—302)

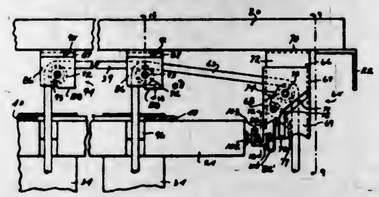
1. In the method of producing penicillin preparations, the steps of adjusting the pH of a penicillin-containing mold filtrate to about 5.5–6.5 and extracting the resultant penicillin salt with an aliphatic alcohol having four to eight carbon atoms.

2,480,992
VENETIAN BLIND
Charles Adler, Cincinnati, Ohio
Application August 6, 1945, Serial No. 609,069
5 Claims. (Cl. 160—166)



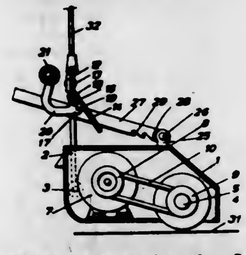
1. A device of the class described for maintaining the slats of a Venetian blind in spaced parallel planes comprising a rigid member of a length equal to that of the Venetian blind when extended, a plurality of fingers projecting from the rigid member, one for each slat and adapted to underlie its slat, and an abutment at the end of each finger to prevent inadvertent separation of the fingers and their slats.

2,480,993
VENETIAN BLIND
Charles Adler, Cincinnati, Ohio
Application August 8, 1946, Serial No. 689,153
3 Claims. (Cl. 160—173)



1. A cord guiding means for a Venetian blind comprising a head rail, a pulley mounting means secured to the under side of the head rail comprising a U-shaped bracket having one of its arms spaced from the head rail for permitting the placement of a raising or lowering cord into the bracket and over the pulley, and a second bracket adjacent one end of the head rail comprising a tubular casing with the pulley therein, and a slot in the casing through which slot a cord may be positioned in locating the cord in the casing and about the pulley without threading the end of the cord through the casing.

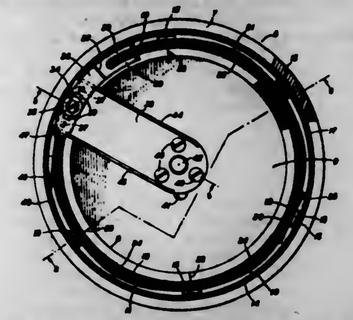
2,480,994
MACHINE FOR FLESHING AND/OR SCRAPING HIDES
Luis Alberti, Buenos Aires, Argentina
Application June 10, 1948, Serial No. 32,087
In Argentina March 22, 1948
4 Claims. (Cl. 69—20)



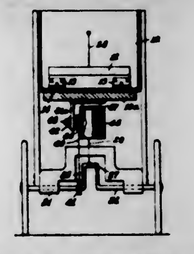
1. A portable machine for the fleshing and scraping of hides, which comprises: A working cylinder pivoted for rotation in a supporting frame at the front end of said machine; a U-shaped rocking fork pivoted at one end thereof to said supporting frame, and suspended at the other end from an elevated position by means of a relatively flexible suspension means; a hinge pivotally supported from said U-shaped rocking fork by a pivot pin, said pivot pin being positioned at approximately the center of said hinge, said hinge having a blade which extends freely toward said supporting frame and working cylinder, and said blade being provided with an elongated aperture positioned therein; an element including an arm doubled approximately at an angle of 90 degrees, said element being pivoted at said pivot pin at which said hinge is pivoted, but at a point exterior of said hinge; a pair of cams supported on said element including said doubled arm, one of said cams being positioned on either side of said pivot pin and at an equal distance therefrom; a pole disposed at the front of said machine on the upper surface of said supporting frame, said pole being provided at its end remote from said supporting frame with a supporting fork; and a lever of substantially rectangular cross-section seated at one of its ends in said supporting fork, said lever then extending through said elongated aperture in said blade, said lever being provided with a series of incisions in its lower edge portion adjacent the end thereof supported from said pole by means of said supporting fork, said incisions being adapted to seat and retain said blade of said hinge which extends toward said supporting frame and said working cylinder.

2,480,995
ELECTRICAL POTENTIOMETER DEVICE
Le Roy Armitage, Nutley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 27, 1947, Serial No. 770,868
1 Claim. (Cl. 201—56)

A variable electrical control device comprising a curved electrical resistance element and a collector ring supported in concentric spaced relation, a support for said resistance element and said collector ring, a shaft rotatably supported in said support, an arm secured to said shaft, a block of insulating material supported on said arm, a curved groove formed in said block and following the curvature of said resistance element and said collector ring, a wiper contact adjustably mounted on said block by means of a single screw and having an apertured body portion on said wiper contact, an end portion in frictional contact with said resistance element, a conductor rod extending from said wiper contact into frictional engagement with said collector ring and a curved flange on the body portion of said wiper contact extending into the curved groove in said block to hold said wiper contact against rotation relative to said block.



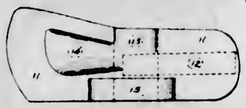
2,480,996
SOUND PRODUCING BABY TOY CARRIAGE
George A. Bocchino, Clifton, N. J., assignor to Ernest Bocchino, Clifton, N. J.
Application October 19, 1946, Serial No. 704,465
1 Claim. (Cl. 46—99)



In a carriage of the class described having as one axle a rotatable crank shaft with traction wheels fixed to the ends thereof engaging said shaft, a rockable seat in said carriage, said seat being at one end pivotally fixed to said carriage, a flexible member fixed to the free end of said seat connecting said seat to the crank on said crank shaft thus exerting a pulling force on said seat through every turn of said crank, a retraction spring between said seat and said carriage opposing the operation thereof by said flexible connecting member, said flexible member and said spring in combination effecting an intermittent up and down movement of said seat, the features which include sound means fixed suitably below said carriage, comprising a rotatable housing, a pulley on one side thereof, weighted bellows within said housing, a reed type whistle inside an opening in one end of said housing, a drive pulley on the crank shaft, a belt connecting

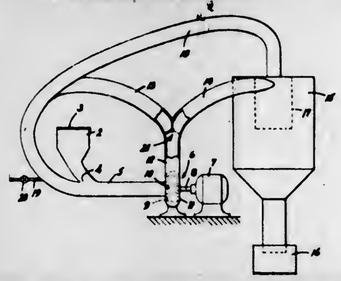
said pulley with said pulley on the housing, so as to rotate said housing with every turn of said crank shaft causing said weighted bellows to expand and contract intermittently thereby forcing air through said reed type whistle.

2,480,997
INSOLE-TYPE APPLIANCE
Clara R. Braasch, Denver, Colo.
Application August 18, 1947, Serial No. 769,183
7 Claims. (Cl. 36—71)



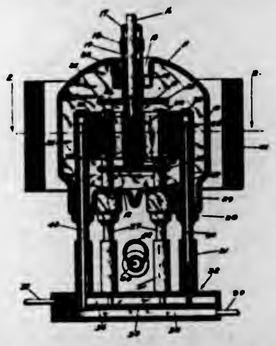
1. An insole-type appliance of the character described, comprising a thin, flexible unit contoured for cooperating accommodation and retention within a shoe in overlying relation with the shoe sole inner face, a cushioning strip of resilient material transversely of the unit midlength, a cushioning pad of resilient material centrally of said unit and closing rearwardly against the forward margin of said strip, and a second cushioning strip of resilient material longitudinally along the unit outer margin in centrally underlying, substantially perpendicular relation with the adjacent end portion of said first strip.

2,480,998
PROCESS FOR DISINTEGRATION OF MOIST FIBROUS ALKALI CELLULOSE MASSES
John Brackett, New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 7, 1944, Serial No. 552,967
6 Claims. (Cl. 241—27)



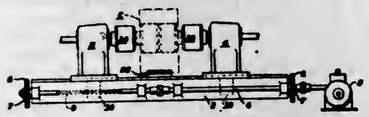
4. The process of preparing moist aggregates of alkali cellulose for conversion to cellulose derivatives comprising introducing the aggregates into the suction stream a fan operating at a linear peripheral velocity of at least 10,000 feet per minute in a closed channel having inlet and discharge openings, carrying the aggregates in the stream through the fan so that the disintegrating masses are subjected to the successive action of impact and sliding friction on the surfaces within the fan system while simultaneously subjecting them to the turbulent action of the gas currents developed within the fan while avoiding the introduction of any substantial amount of heat whereby the channel is maintained close to normal room temperatures and sufficient evaporation occurs from the surfaces of the disintegrating masses to prevent adhesion thereof to the system whereby the alkali cellulose is converted to a light, fluffy condition capable of rapid reaction to produce derivatives of improved uniformity, settling the fibers from the fluid stream discharged from the fan, maintaining a gaseous medium substantially free of carbon dioxide in contact with the aggregates and disintegrated masses substantially throughout the disintegrating system, and returning a substantial portion of the fluid stream to the suction side of the fan.

2,480,999
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
William C. Brown, Lincoln, and Erich Nevin Kather, South Lincoln, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 23, 1946, Serial No. 685,579
3 Claims. (Cl. 315—39)



1. An electron-discharge device comprising: a hermetically sealed envelope; a cathode mounted within said envelope; a plurality of anode members mounted within said envelope, in spaced relationship to said cathode; each of said anode members including outer and inner tubular elements; and a fluid-receiving, electrically-conductive header electrically interconnecting said anode members whereby each pair of adjacent anode members, together with that portion of said header lying therebetween, constitute a shorted transmission-line section adapted to resonate at the frequency desired of the output of the device; said header including a housing divided into fluid-incoming and fluid-outgoing compartments communicating, respectively, with the outer and inner tubular elements of each of said anode members.

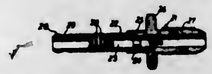
2,481,000
EXPANDING MANDREL FOR FEED REELS
Ray Brunner, Economy Township, Beaver County, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 22, 1946, Serial No. 664,142
3 Claims. (Cl. 242—72)



1. Mandrel mechanism for feed reels comprising two coaxial supporting heads adapted to lie

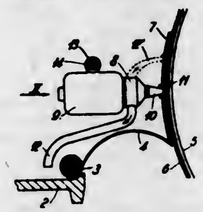
within the eye of a coil to be supported, means for moving the heads toward and away from one another, a block of elastic material, e. g. rubber, mounted on each head and so arranged that it will engage the inner surface of the coil when deformed by compression axially of the heads, and a pressure member for each head operatively engaging the block of elastic material thereon, the pressure members being adapted for mutual engagement when the heads are moved together and being so mounted that relative longitudinal movement between the pressure members and their respective heads may occur after such engagement, the head-moving means being effective for continuing the movement of the heads toward one another after such engagement, whereby the elastic blocks are expanded to grip the inside of the coil.

2,481,001
COUPLING FOR FLEXIBLE HOSE
Arthur A. Burckle, Burbank, Calif., assignor, by mesne assignments, to Aerequip Corporation, Jackson, Mich., a corporation of Michigan
Application January 1, 1945, Serial No. 570,838
1 Claim. (Cl. 285—84)



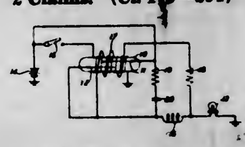
A coupling structure for flexible hose comprising a stem formed with a main bore and having a portion adapted to be inserted in the end portion of a hose and having a threaded sleeve engaging portion adjacent thereto, and a sleeve having a hose receiving bore and a threaded stem engaging portion, said stem bore having a fillet opposite said sleeve engaging portion, said fillet and said sleeve engaging portion of said stem being adapted to be expanded under pressure to effect a tight engagement with said sleeve in excess of normal thread engagement therebetween.

2,481,002
PROCESS FOR IMPROVING THE CARDING EFFECT OF CARDING CYLINDERS
Agustin Masallera Castell, Barcelona, Spain, assignor to C. A. Constant Card, Barcelona, Spain, a corporation of Spain
Application April 18, 1945, Serial No. 589,002
In Spain May 16, 1944
1 Claim. (Cl. 19—98)



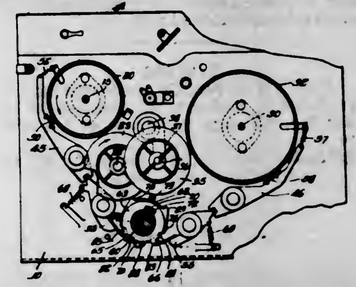
A process for improving the carding effect of carding cylinders which comprises the step of continuously applying suction to the web of fibers being carded on the carding cylinder, such suction being applied progressively back and forth across the surface of the cylinder as said cylinder rotates, the suction being sufficient only to raise the fibers from the base of the teeth to the tips thereof, without complete removal and carrying away of such fibers, whereby the major portion of the fibers remains on the the carding cylinder and travels along therewith for completion of the carding operation, and whereby the clothing of the cylinder is kept continuously clear for long periods of time.

2,481,003
PROTECTIVE ARRANGEMENT FOR SWITCH CONTACTS
Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1945, Serial No. 586,376
2 Claims. (Cl. 175—294)



1. The combination of an electromagnetically operated circuit closer comprising a pair of cooperating contacts and an operating winding therefor, of an impedance element in series with said contacts and an auxiliary winding for said contacts bridged across said impedance element, said impedance element having sufficient inductance to transiently retard the rise of current through said contacts upon the closure thereof and sufficient resistance to cause the energization of said auxiliary winding when and only when said contacts are carrying an abnormally high steady load current.

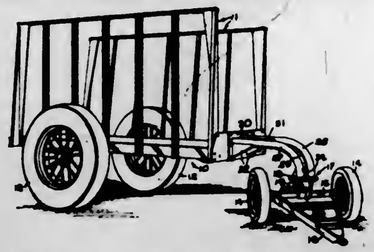
2,481,004
WIRE RECORDER
Colin B. Dale, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application June 19, 1947, Serial No. 755,695
6 Claims. (Cl. 242—54)



6. In a wire recorder, the combination of a supply spool, a takeup spool having a coaxial drum, each of the two spools being adapted to wind thereon a length of wire moving from one to the other, a rotatable chuck having a coaxial drum and a base transverse to its axis of rotation adapted to support thereon in coaxial relation therewith the wire supply spool and engage therewith to provide a frictional driving connection therebetween, and a continuously rotating one-speed friction wheel movable to selectively establish or disestablish a high-ratio driving connection with the drum of the chuck or a low-ratio driving connection with the drum of the takeup spool, the torque value of the driving connection between the friction wheel and the chuck drum

being greater than the value of the friction drive between the chuck and the supply spool whereby the latter is free to slip diminishingly to protect the wire against excessive strains.

2,481,005
GOOSENECK TRAILER
Russell H. Danhaus, Quincy, Ill., assignor to Electric Wheel Company, Quincy, Ill., a corporation of Illinois
Application June 19, 1947, Serial No. 755,747
4 Claims. (Cl. 280—113)



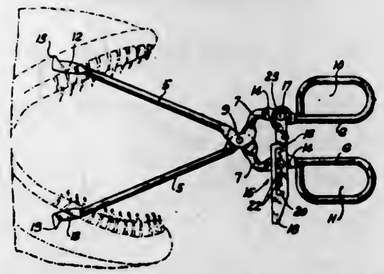
1. In a vehicle of the type set forth, the combination of a body having an end plate extending transversely across its front end, a plurality of tubular members rigid with said plate and projecting forwardly from said plate in generally side-by-side relation, transverse webs joining said members adjacent said plate, generally channel shaped gussets embracing the lower sides of respective ones of said members and sloping diagonally downward therefrom to a lower portion of said plate to which they are rigidly secured as well as to the respective members for bracing the latter, the forward portions of said members being curved downward in generally goosenecked form, a front axle having ground wheels thereon, and a fifth wheel for swiveling said axle on the forward ends of said members for free turning of the axle with the ground wheels thereon passing beneath said goosenecked members.

2,481,006
FRICTION SHOCK ABSORBER
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 20, 1946, Serial No. 671,064
3 Claims. (Cl. 188—129)



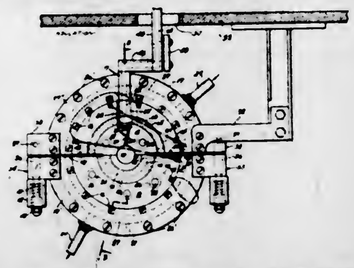
1. In a friction shock absorber, the combination with a friction casing having a lengthwise disposed, interior friction surface; of a plurality of friction shoes within the casing, each shoe having an outer friction surface in sliding frictional engagement with the friction surface of the casing, each shoe having an inner wedge face at one end and an inturned abutment flange at the other end; a wedge block having wedge faces in wedging engagement with the wedge faces of said shoes; a follower member floating between said wedge block and flanges of the shoes; spring means reacting between said wedge block and abutment flanges of the shoes comprising a coil spring bearing at opposite ends on said block and follower member and a second coil spring bearing at opposite ends on said follower member and flanges of the shoes; and a reciprocating-operating rod movable inwardly and outwardly lengthwise of the casing fixed to said follower member.

2,481,007
FISH MOUTH SPREADER
Robert Dugdale, Chicago, Ill.
Application October 1, 1947, Serial No. 777,168
1 Claim. (Cl. 43—29)



A fish mouth spreader comprising: Two members each formed of a single piece of round wire and each consisting of six portions, namely, an elongated shank of circular cross section, a mouth-entering extremity conformed to present a flat face adapted to lie against the similar face of the mouth-entering extremity of the other member and a piercing point extending away from the piercing point of the mouth-entering extremity of the other member, a pivotal portion conformed to present an L-shaped flat face contacting but reversely disposed with respect to the corresponding face of the other member, an elbow portion of circular cross section interposed between the pivotal portion and the next-to-be-mentioned bar-engaging portion, a bar-engaging portion conformed to present a flat face to the hereinafter mentioned detent bar, and a finger loop located adjacent the last-mentioned flat face; a main pivot pin whereby the aforementioned pivotal portions are articulated with their L-shaped faces in contact; and a detent bar having a flat face that is disposed against the flat face of each of the aforementioned bar-engaging portions, said detent bar being pivoted in face-to-face contact with one of said bar-engaging portions and provided with a laterally notched longitudinal slot receiving a headed pin, for cooperation with the slot notches, by which said bar may be held in different adjustments in face-to-face contact with the other bar-engaging portion; whereby the spreader may be twisted by force applied to its finger loops properly to position its piercing points in the closed mouth of a fish, with but very little strain being sustained by the aforementioned main pivot pin, when the aforementioned mouth-entering extremities are disposed alongside of and in face-to-face contact with each other.

2,481,008
MULTITURN SPLIT INDUCTOR
Nicholas G. Gagliardi, Brooklyn, Armin A. Finger, New York, and Robert J. Stanton, Brooklyn, N. Y., assignors to Induction Heating Corp., New York, N. Y., a corporation of New York
Application June 27, 1945, Serial No. 601,812
8 Claims. (Cl. 219—47)



1. A split two-turn inductor for high frequency induction heating, comprising a plurality of generally sector-shaped metal plates arranged in one plane to form a conductor turn for surrounding an object to be heated at a central cavity therein except for a narrow gap between edges of two of the plates, another plurality of generally similar metal plates arranged in an adjacent parallel plane to form a second conductor turn closely spaced from the first and for also surrounding the object to be heated except at a corresponding gap adjacent said first-mentioned gap, means at said gaps for connecting an area at one of said plate edges to an area at an edge of one of said second-named plates, whereby the plates as thus connected form a conductor of two turns for respectively surrounding two parallel bands on the object to be heated, an insulation structure for retaining the plate assemblies in position, said structure being separable into parts, each part carrying plates forming a portion of each conductor turn whereby when such parts are separated, free access may be had to the central cavity for inserting or removing the object to be heated, and means for removably retaining said parts together, the inner edge faces of said plates at said cavity being substantially perpendicular to the planes of said plates.

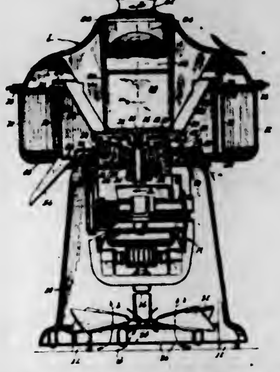
2,481,009
WELL-DRILLING APPARATUS
Robert J Gill, Los Angeles, Calif.
Application January 14, 1946, Serial No. 641,118
1 Claim. (Cl. 255—4.8)

In a well boring device, the combination of a housing adapted to be lowered into a well bore, the housing having a plurality of circumferentially spaced windows; a spindle rotatably mounted coaxially of the housing and extending through the lower end thereof; means preventing relative axial movement of the spindle and housing; a bit fixed on the lower end of the spindle; power means in the housing adapted to rotate the spindle and bit; means for preventing contra-rotation of the housing, said means including a plurality of rotatable feed wheels aligned with said housing windows; bearing means for said feed wheels slidably mounted within the housing; power means for moving the bearing means to advance the feed wheels outwardly through said windows into engagement with the side wall of



the well bore; and means in the housing for turning the rotatable feed wheels in side wall contacting position to apply axial pressure to said bit.

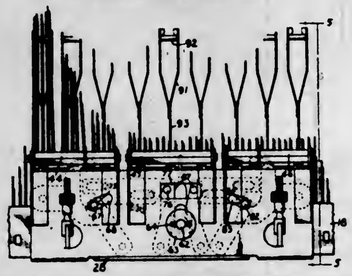
2,481,010
JUICER FOR FRUITS AND VEGETABLES WITH VERTICAL AXIS ROTATING GRATER PLATE
William E. Gundelfinger, St. Louis, Mo., designer to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application August 17, 1948, Serial No. 44,683
6 Claims. (Cl. 146—76)



2. A juicer comprising a motor operated grater plate, a juice separating basket mounted for rotation therewith, said basket being perforated to premit centrifugal separation of juice from pulp, the wall of said basket being upwardly and outwardly inclined to cause upward movement of the pulp along said wall, an annular pulp receiving receptacle surrounding and being of substantially the same height as said juice receiving receptacle and being removable for emptying, said pulp receiving receptacle having an inturned flange supported on the upper edge of the juice receiving receptacle, a cover for said receptacles and basket supported on the outer edge of said pulp receiving receptacle, said cover having a downwardly and outwardly directed annular portion above the pulp receiving receptacle spaced from and in alignment with the inclined wall

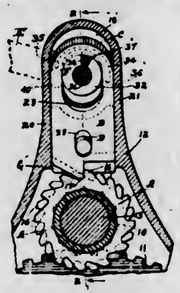
of said basket, whereby pulp ejected by centrifugal force from the upper edge of the basket strikes the downwardly and outwardly directed annular portion of the cover and is guided thereby into said pulp receiving receptacle, a base for supporting the juice receiving receptacle, resilient inserts carried by the upper end of the base upon which said juice receptacle is supported and resilient arms pivotally secured to the base for retaining the cover in position over said receptacles and permitting slight movement of the cover and receptacles on said rubber inserts.

2,481,011
VOTING MACHINE
Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application July 31, 1945, Serial No. 608,037
3 Claims. (Cl. 235—54)



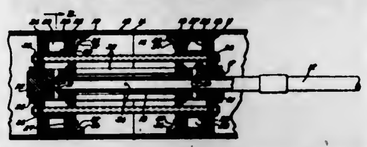
1. In a voting machine, a plurality of interlocking straps, three movable members, means segregating said straps into groups and providing connection of said groups with said members, swingable plates operatively associated with the end members, a pair of arms operatively associated with the intermediate member, a pair of slidable bars operatively connecting the plates of the end members with said arms, said plates, arms and bars having such cooperative movement, when one end member is moved to an operative position, as to secure the remaining members and their connected groups in an inoperative position.

2,481,012
HAND BRAKE
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 16, 1946, Serial No. 662,578
5 Claims. (Cl. 188—81.1)



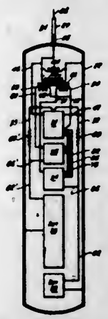
1. In a hand brake mechanism, the combination with a member adapted to be rotated to tighten the brakes; of a pair of ratchet wheels rotatable with said member; a locking dog engageable with each ratchet wheel; a rocker connecting said locking dogs; a slide for depressing and raising said rocker; and a lever operated trip element having spaced shoulders respectively engageable with said slide to move the dogs into and out of engagement with the ratchet wheels.

2,481,013
PIPE-JOINT TEST PLUG
Elting Henderson, Whittier, Calif.
Application March 24, 1947, Serial No. 736,665
6 Claims. (Cl. 138—90)



1. A device for testing pipe joints, comprising a pair of spaced bodies insertible within the pipe and each containing a fluid receiving chamber, a radially expansible packer carried by each body and exposed to the pressure in said chamber, means including a tube connected to said bodies for communicating fluid pressure to said chambers for expansion of the packers into fluid tight engagement with the pipe at opposite sides of said joint, and means including differential size openings through which the maximum working pressure of said fluid is sequentially communicated to said chambers and to the space between said packers.

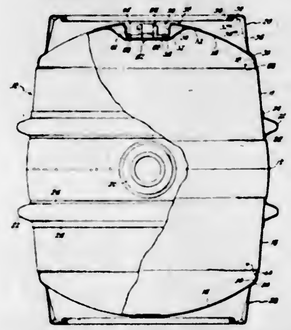
2,481,014
METHOD AND APPARATUS FOR RADIOACTIVITY WELL LOGGING
Gerhard Herzog, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 22, 1945, Serial No. 584,164
15 Claims. (Cl. 250—83.6)



1. A method of logging a bore-hole which comprises moving through said hole a pair of vertically elongated radiation detectors of different lengths, one of said detectors being substantially as long as the vertical dimension of the thinnest stratum to be logged, recording the output of said one detector while the detectors are moving through the hole in the vicinity of a thin stratum, and recording the total output of both detectors while the detectors are moving through other portions of the hole.

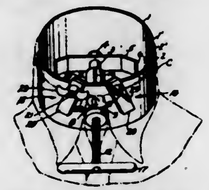
8. A method of logging bore-holes which comprises passing along the bore-hole a plurality of radiation detectors of the pulse-producing type, amplifying the output pulses of each detector to a constant magnitude which is different for the pulses of each detector, combining said amplified pulses in a single conductor, conducting said pulses to the surface, and selectively recording values, one of which is a function of the pulses from one of said detectors and another of which is a function of the total of said pulses.

2,481,015
CHIME CONSTRUCTION FOR STEEL BARRELS
Roy C. Ingersoll, Winnetka, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 1, 1945, Serial No. 608,189
5 Claims. (Cl. 220—74)



1. A barrel formed of sheet metal comprising a hollow shell; heads integral with said shell for closing the ends thereof; arcuate terminal portions at the junctions of said shell and heads; shoulders on said shell adjacent said arcuate terminal portions; and annular sheet metal chimes of angular cross section telescoping the ends of said shell in abutting relation to said shoulders, said chimes having annular regions which are free of contact with the shell and heads, and the regions of said chimes which are adjacent the shoulders being shaped to conform to the shape of the arcuate terminal portions and welded thereto.

2,481,016
STRETCHER DEVICE FOR SHIRT COLLARS AND THE LIKE
Claude U. Johnson, Lakewood, Ohio
Application August 4, 1947, Serial No. 766,001
3 Claims. (Cl. 223—52)



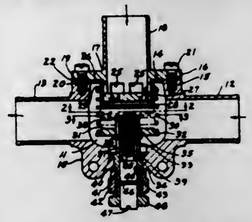
1. A collar stretcher, comprising a pair of substantially stiff shells in opposed relationship and of sufficient axial extent to support a collar for its entire height, screw means connecting the shells and operable to force them apart, and readily releasable means for holding end marginal portions of the collar against one of said shells.

2,481,017
IMPLEMENT CONTROL DEVICE
Ellsworth T. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 30, 1945, Serial No. 591,139
16 Claims. (Cl. 56—10)



1. Implement control connections comprising a support, a control lever pivotally mounted thereon, a force transmitting member pivotally connected to said lever and adapted to be connected to an implement, an implement actuating lever pivotally mounted on said support adjacent said control lever, and means transmitting a force between said levers comprising a spring support swingably mounted on one of said levers and a compression spring mounted thereon, said support being swingable from a disengaged position to a connected position in which said spring engages the other of said levers and is stressed in compression to transmit force therebetween in one direction but is adapted to yield to an excessive force transmitted therethrough to provide a cushioning action.

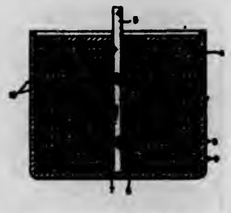
2,481,018
RELIEF VALVE
James P. Johnson, Shaker Heights, Ohio, assignor to The Aro Equipment Corporation, a corporation of Ohio
Application May 17, 1944, Serial No. 535,971
3 Claims. (Cl. 251—145)



2. In a valve, a housing formed with a chamber and an opening leading therefrom, means providing another opening affording communication between said chamber and the atmosphere and a seat between said another opening and chamber, a valve member in said housing reciprocable into and out of engagement with said seat to thus close and open communication between said another opening and chamber, a preloaded spring operatively associated with said valve member for normally effecting seating of said valve member on said seat, a tubular stud in said housing projecting into said chamber and outwardly from said housing, said outwardly projecting portion being formed with threads, a nut threaded onto said outwardly projecting portion to lock said stud in said housing, a spring retainer disc slidably mounted on said inwardly projecting portion of said stud and engaging an end of said spring

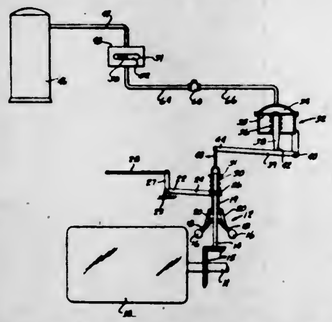
disposed in axial spaced relation with respect to said valve, an adjusting nut axially movable and non-rotatable in said stud and engaging the side of said disc opposite said spring, a screw rotatable within said stud and in threaded engagement with said adjusting nut, said screw being formed with a flange one side of which is engageable with the end of said outwardly projecting portion of said stud, and a lock nut in threaded engagement with said first-named nut movable into clamping engagement with the opposite side of said flange.

2,481,019
ORNAMENTAL COLORED FLAME CANDLE
James A. Joyce, Gary, Ind.
Application February 21, 1948, Serial No. 9,972
6 Claims. (Cl. 67—32)



1. A candle comprising a wick and a solid body of volatile nitrogenous material containing a flame coloring substance dissolved therein, and a suspended non-soluble flame color intensifying material substantially uniformly distributed throughout said body, said body being formed around said wick.

2,481,020
ENGINE CONTROL MEANS
James E. Justus, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1945, Serial No. 625,727
2 Claims. (Cl. 264—3)



1. The combination with an internal combustion engine speed governor having governor loading spring means adjustable for regulating the speed control action of the governor, of a fluid-pressure actuated mechanism operatively connected with the governor spring loading means, a source of fluid under pressure having a conduit connected with said pressure actuated mechanism, a manual control valve inserted in said conduit to permit flow of pressure fluid toward said mechanism and to release such pressure fluid for purposes of adjusting the governor spring loading means, and a flow control device inserted in said conduit between said manual control and said mechanism, said control device being constructed and adapted to retard the flow of pressure fluid toward said mechanism to prevent vibratory impulsing reaction of said mechanism, and to permit rapid reverse flow of pressure fluid away from said mechanism.

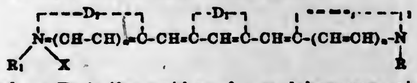
2,481,021
ROLLING DEVICE
James L. Kemptherne, Montclair, N. J.
Application April 10, 1946, Serial No. 661,170
2 Claims. (Cl. 72—128)



1. A rolling device for leveling and texturing a layer of compressible insulating or acoustical material provided on a supporting surface comprising a rectangular frame provided on opposite sides with guiding slots and tapped holes, a roller having bearing portions engaging said slots, and an adjusting screw in each of said holes and adapted to be inserted through the layer in engagement with the supporting surface to thereby space the frame therefrom.

2,481,022
PRODUCTION OF CYANINE DYESTUFFS
John David Kendall and Frank Peter Doyle, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application July 1, 1946, Serial No. 680,821. In Great Britain July 3, 1945
9 Claims. (Cl. 260—240)

9. Dyestuffs having the general formula:



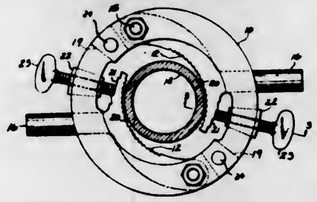
where D_1 is the residue of a cyclohexenone ring of which the hydrogen atoms attached to the three carbon atoms constituting D_1 may each be substituted by hydrocarbon groups, D_2 is the residue of a heterocyclic nitrogen ring selected from the class consisting of thiazole and selenazole, R_1 and R_2 are selected from the class consisting of alkyl and aralkyl groups and n is selected from the class consisting of nought and one.

2,481,023
CLINCHING ANVIL FOR STAPLING MACHINES
Wilfred Kirby, London, England, assignor to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Continuation of application Serial No. 583,791, March 20, 1945. This application December 26, 1946, Serial No. 718,401.
3 Claims. (Cl. 1—2)



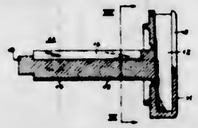
1. A blade or tongue anvil for a wire stitching machine comprising an anvil body, a clinching plunger mounted in said anvil body for performing reciprocating clinching movements in a direction substantially perpendicular to the working face of the anvil, an actuating member movable in a direction transverse to the direction of movement of said plunger, means permitting transmission of motion from the actuating member to said plunger, a pair of side guides adapted to receive said plunger between them, means to permit said actuating member to pass therethrough and impart working movements to said plunger.

2,481,024
PIVOTED JAW WRENCH ACTUATED BY TORQUE-APPLYING EXTENSION HANDLE
Robert C. Knecht, Cleveland, Ohio
Application September 1, 1944, Serial No. 552,258
6 Claims. (Cl. 81—91)



6. A wrench to turn a turnable element, said wrench comprising an annular member disposed to encompass said turnable element, at least a first and a second jaw member for gripping said turnable element, each said jaw member having a pivot end and a tip end, pivotal mounting means at opposite sides of the annular member to pivotably mount the pivot end of the jaws, said jaws being disposed to swing inwardly of the annular member and engage opposite sides of said turnable element, and lever arms connected to said jaws a distance away from said pivotal mounting means intermediate said pivot and tip ends and extending outwardly from said annular members.

2,481,025
METHOD OF MAKING SHAFTS HAVING SHEET METAL JOURNAL SURFACES
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1945, Serial No. 635,327
4 Claims. (Cl. 29—149.5)



1. The method of making a shaft having a cast-in, sheet metal journal surface, which method comprises forming a piece of sheet metal to form a cylinder and flanges extending inwardly from meeting edges of the portion forming the cylinder, placing said sheet metal in the cylindrical bore portion of a die, delivering molten casting material under pressure into the interior of the cylindrical sheet metal, and forcing said sheet metal by such pressure against the cylindrical surface of said die, thereby forming a shaft and an accurate cylindrical journal surface thereon.

2,481,026
ULTRA HIGH FREQUENCY ELECTRON DISCHARGE DEVICE HAVING ELONGATED ELECTRODES
Russell R. Law and Louis Pensak, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 15, 1944, Serial No. 549,513
8 Claims. (Cl. 250—27.5)



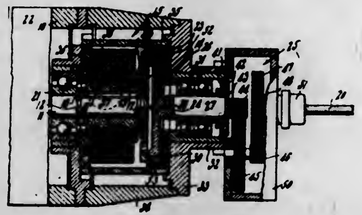
1. An electron discharge device having cathode, grid and anode electrodes with elongated active surfaces in opposed relationship, each of said electrodes being provided with an elongated supporting conductor disposed with its longitudinal axis parallel to the longitudinal axes of said grid, cathode and anode electrodes, and elongated insulating collar elements hermetically sealed between said flange-supporting conductors to provide an envelope for said cathode, grid and anode electrodes.

2,481,027
ADAPTER
Leslie G. Lawrence, Newton Center, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 19, 1946, Serial No. 655,471
3 Claims. (Cl. 173—344)



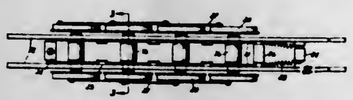
1. An adapter for use with a flat-bulb electron discharge tube, including, in combination, a pin-type base having a plurality of pins arranged in a circle, an upstanding metallic shell at the periphery of said base, a disk-shaped body of insulating material disposed within said shell, a second body of insulating material disposed exteriorly of said shell, said second body having a plurality of recesses therein arranged in a straight line, a contact element disposed in each of said recesses, means electrically connecting said contact elements separately to the pins of said base, and means for clamping said two bodies together with a portion of said shell therebetween.

2,481,028
AXIALLY ENGAGING ELECTROMAGNETIC CLUTCH AND BRAKE
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application June 5, 1944, Serial No. 538,868
12 Claims. (Cl. 192—18)



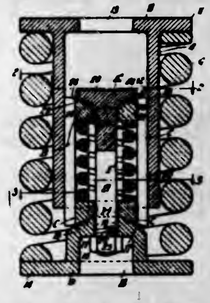
1. An electromagnetic clutch comprising, in combination, a driving member of magnetic material having a clutching surface; a driven member of magnetic material having a clutching surface magnetically and frictionally coactable with the first member surface, the periphery of said driven member being a substantial distance outwardly of the periphery of said driving member; a housing member of magnetic material surrounding said first and second members and magnetic flux generating means including a winding supported within said housing member for producing the magnetic flux for the clutch for establishing frictional engagement between said clutching surfaces; said housing member extending closer to the periphery of said driven member than to said driving member to establish a relatively low reluctance magnetic air gap therewith and to insure passage of the magnetic flux from said driving member through said driven member before entering said housing member.

2,481,029
SPRING SUSPENSION FOR VEHICLES
James R. Lindsay, Arlington Heights, Ill., assignor to Gordon Varney, Chicago, Ill.
Application October 8, 1945, Serial No. 620,896
3 Claims. (Cl. 105—212)



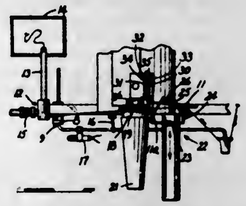
3. An equalized suspension for a multi-wheeled driving vehicle, comprising a vehicle frame, a series of wheel members spaced longitudinally of said frame, means for positively driving each of the wheel members of said series, means guiding said wheel members for vertical movement relative to the frame, elongated flexible cable means secured at one end to the frame adjacent one end of the series, spring means resiliently connecting the other end of said cable means to the frame adjacent the opposite end of said series, and cable restraining elements alternating with successive driven wheel members of said series, said cable means intermediate the ends thereof extending over said successive driven wheel members and under said alternating restraining elements for equalized frame suspending and wheel thrust effort.

2,481,030
FRICTION SHOCK ABSORBER
John H. Link, Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 5, 1944, Serial No. 529,557
15 Claims. (Cl. 267—9)



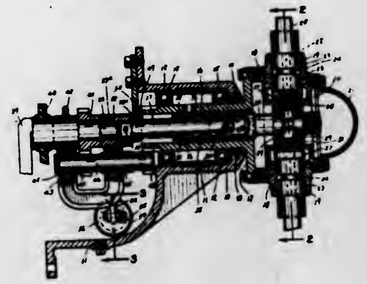
1. In a friction shock absorber, the combination with a friction casing; of a friction unit comprising a plurality of friction shoes slidingly telescoped within said casing; wedge means at opposite ends of said unit, the wedge means at one end of said unit having wedging engagement only with the corresponding ends of certain of said shoes and the wedge means at the other end of said unit having wedging engagement only with the corresponding ends of the remaining shoes; spring means bearing on said shoes for forcing the same against said wedge means to spread said shoes apart; and spring means yieldingly opposing relative lengthwise movement of said casing and shoes toward each other.

2,481,031
WINDING METHOD AND APPARATUS
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corp., Wilmington, Del., a corporation of Delaware
Application July 21, 1944, Serial No. 545,980
17 Claims. (Cl. 242—18)



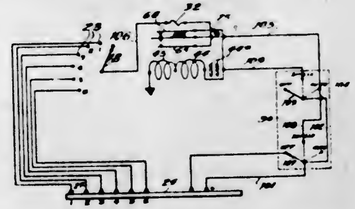
1. In a winding machine, the combination of a rotatable winding head for receiving a foundation core, a thread guide for winding a package on the core, said guide having a member projecting laterally therefrom, means for traversing the guide to distribute the winding on the core, auxiliary thread guiding means for directing the thread into a winding axially displaced from the package, said auxiliary guiding means comprising a guiding element movable from a position providing a normal thread path thereover all portions of which are outside the ambit of the first-mentioned thread guide to another position providing a thread path thereover having a portion thereof extending into the path of the projecting member of the thread guide.

2,481,032
AUTOMATIC ADJUSTABLE PITCH PROPELLER
Alva I. Mount and Kenneth A. Raypholtz, Marion, Ind.
Application October 27, 1945, Serial No. 624,984
9 Claims. (Cl. 170—160.13)



4. In a variable pitch bladed propeller structure the combination of a rotatably mounted yoke, power means carried thereby, a propeller shaft coaxial with the yoke pivot axis and rotatable by the power means, calibrated force means normally constraining the yoke to a predetermined position and opposing yoke rotative movement therefrom incident to torque application thereto, and propeller blade pitch varying mechanism coaxial with the shaft and movable proportional to yoke rotation from the predetermined position for propeller blade pitch variation.

2,481,033
SELECTOR-STEPPER SWITCH
Marvin G. Nelsen, Skokie, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 17, 1944, Serial No. 531,431
16 Claims. (Cl. 171—97)



5. A selector switch comprising a series of spaced apart contacts adapted to be connected in separate, branch electrical circuits, a mounting frame, a rotatable shaft carried on the frame, a contactor arm mounted on and rotatable with said shaft, a ratchet wheel fixedly mounted on said shaft, an electromagnet comprising a coil fixedly mounted on the frame and a cooperating armature mounted for free rotation on said shaft, a driving pawl carried on the armature and positioned to engage the teeth of the ratchet, to rotate the latter in one direction, together with the shaft and contactor arm, a predetermined angular amount, each time the armature is actuated by its coil, whereby to shift the contactor arm in a step-by-step manner to sequentially engage the contacts of the series, indicia means comprising an element rotatable with the shaft for designating a particular branch circuit in correspondence with the contactor arm in engagement with a contact of the series, a double pole snap-action switch including a set of normally open contacts adapted to be connected in a branch circuit including the contactor arm and the contact of the series engaged by said arm, a set of normally closed contacts in circuit with the coil, and an operating arm positioned to be controlled by the armature, whereby said sets of contacts are reversed incident to movement of the armature to the coil to complete the branch circuit including the contact of the series then engaged by the contactor arm, time delay means for maintaining the armature attracted to the coil for a short interval of time for maintaining said last mentioned branch circuit complete for a period of time, a manually adjustable control switch connected in circuit with said coil and snap switch and adapted in one position of operative adjustment to effect a pulsing operation of the electromagnet for automatically completing in rapid sequence the branch circuits including a group of the contacts of the series, and adapted in another position of adjustment for completing an individual branch circuit corresponding to the particular contact of the series engaged by the contactor arm immediately after actuation of the magnet.

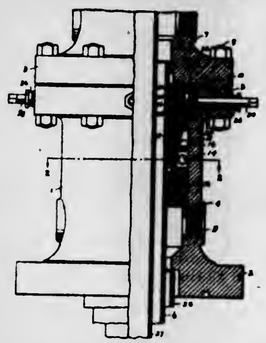
2,481,034
APPARATUS FOR DETERMINING LIGHT CHARACTERISTICS OF CLOUDS BY REFLECTION
Jacob Neufeld, Tulsa, Okla.
Application September 25, 1944, Serial No. 555,742
6 Claims. (Cl. 88—14)



1. An arrangement for investigating the height and a characteristic of a cloud bank above the earth's surface, comprising a source of light mounted upon the earth's surface to project a beam of light of known spectral distribution toward said cloud bank, whereby a light spot is formed at the lower surface of said cloud bank, a housing positioned upon the earth's surface at a known distance from said source of light, two light sensitive elements and a telescope fixedly mounted on said housing, the axes of said telescope and said housing being in a parallel relationship one to the other, said elements being adapted to respond differently one from the other to various frequency components entering into the spectral distribution of the reflected beam of light, a support, and means rotatably mounting said housing upon said support for rotation in a plane defined by the projected and reflected light beams whereby said telescope may be aligned in

the direction of said spot by effecting a suitable rotatory displacement of said housing with respect to said support, an indicating member and a graduated scale in operative relationship with said member, said member and said scale coacting with said housing and said support, whereby the rotatory displacements of said housing are indicated by said member upon said scale, and means responsive to the outputs of said elements for providing an index representing the ratio of said outputs, said index representing the characteristic of said cloud bank.

2,481,035
WELL HEAD ASSEMBLY
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application January 19, 1946, Serial No. 642,354
6 Claims. (Cl. 285—22)

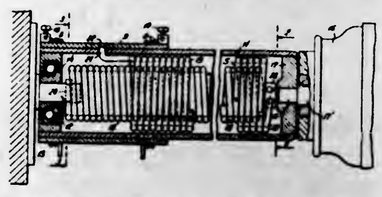


1. In a well head assembly having a tubular head member provided with an internal seat and a well pipe extending through the head, a bowl unit adapted to seat within the head member and comprising, a bowl proper, pipe supporting means within the bowl, a single sealing element secured to the lower end of the bowl for sealing between the bore of the head member and the well pipe when the unit is seated within the head, and an abutment ring below and attached to the sealing element and engaging the internal seat within the tubular head member, said pipe supporting means having engagement with the well pipe extending through the head member, whereby the weight of said pipe may be imposed through the pipe supporting means and through the bowl upon the sealing element to distort the same into sealing position with the pipe and head member.

2,481,036
ALPHA-HALOGENATED KETO FATTY COMPOUNDS
Donald Price, New York, N. Y., and Francis J. Sprules, Arlington, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application November 24, 1943, Serial No. 511,594
4 Claims. (Cl. 260—408)

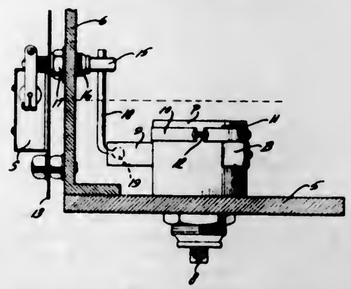
1. A free saturated keto fatty acid containing from 8 to 30 carbon atoms and, at positions $\alpha\alpha'$ to a keto group, two halogen atoms selected from the group consisting of chlorine and bromine atoms.

2,481,037
MULTIPLE TORSION SPRING
Edward S. Pringle, Norfolk, Va., assignor to The J. G. Wilson Corporation, New York, N. Y., a corporation of Virginia
Application February 23, 1946, Serial No. 649,669
5 Claims. (Cl. 254—178)



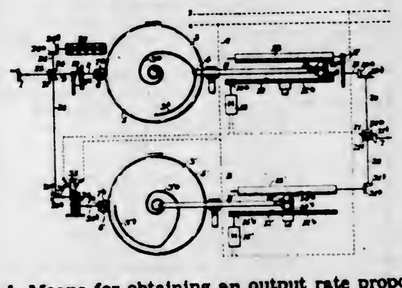
1. In a spring operated device, in combination, a rotary tubular member, a fixed post extending into one end of said tubular member, a bearing connecting one end of said tubular member to said post, an electric motor directly connected to the other end of said tubular member to rotate the same, an inner helically coiled torsion spring within and substantially coextensive with said tubular member and having a fixed end secured to said post and a free end adjacent the opposite end of said tubular member, and an outer helically coiled torsion spring in said tubular member surrounding and substantially coextensive with said inner spring and having a free end directly connected with the free end of said inner spring independently of said tubular member and a fixed end secured to said tubular member adjacent the fixed end of said inner spring, the successive turns of said springs being wound in the same direction circumferentially thereof but progressing in opposite directions longitudinally thereof.

2,481,038
FUEL OIL PREHEAT CONTROL
Charles L. Rayfield, Chicago, Ill., assignor to C. L. Rayfield Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1946, Serial No. 659,382
2 Claims. (Cl. 219—38)



1. In an apparatus for heating liquids, comprising means for containing a liquid to be heated, an immersion type heater within said first means for heating a contained liquid, a bimetal member within said first means having one end fixed to said heating means and wrapped in surface contact with a portion of the periphery of the same and with the other end free, the construction of said member being such that its free end moves in one direction as the liquid temperature rises and in the opposite direction as the liquid temperature drops, the surface engagement of the bimetal member with the heater causing movement of the free end thereof responsively to the temperature of the heater to thereby insure close control of the temperature of the liquid being heated, and means operable by movement of the free end of said member in said one direction to disable the heating means when the liquid temperature reaches a predetermined value and to maintain said means disabled until the liquid temperature drops to another predetermined value, the engagement of said bimetal member with said last mentioned means occurring within the liquid whereby the liquid serves as a lubricant for said engaging parts.

2,481,039
RATE GENERATING MECHANISM
Elliott P. Ross, Forest Hills, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 18, 1938, Serial No. 225,581
8 Claims. (Cl. 74—1)



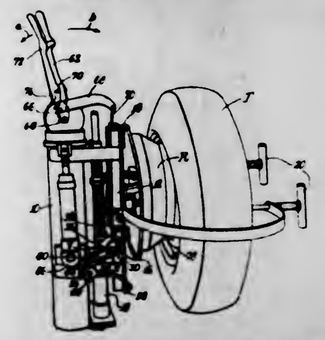
1. Means for obtaining an output rate proportional to a function of an input over a wide range of input values, comprising input means including rotatably mounted cam mechanism, output means including a variable speed device settable by the cam mechanism, and means to introduce input values into the input means including a transmission operable at one ratio during predetermined values of input and at another ratio at other values of input.

2,481,040
PRIMARY CONTROL FOR BURNERS
John J. Rothwell and Paul Schell, Elkhart, Ind., assignors to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 6, 1946, Serial No. 695,134
16 Claims. (Cl. 158—28)



1. A primary control for burners comprising a base member adapted to be mounted on an oil pipe in an oil burner nozzle, a torus-shaped bimetal element adapted to surround the oil pipe and mounted on said base, said bimetal element having one end anchored, and the other end free and constituting an actuating element, a combustion switch having switch contacts which are controlled by said actuating element, an electric heater for said bimetal element to effect warpage of substantially one-half thereof, the other half being adapted to be responsive to direct heat from the flame issuing from the oil burner nozzle, a housing around both halves of said bimetal element and adapted to surround the oil pipe, said housing adapted to be subject to ambient temperature within the burner nozzle and having an opening through which heat from the flame is adapted to pass to the bimetal element, a normally inoperative damper in said opening, and thermally responsive means in said housing adapted to move said damper to an operative position shielding said bimetal element partially from the flame after the burner operates a sufficient length of time for raising the temperature surrounding said primary control to a point somewhat below maximum attainable temperature.

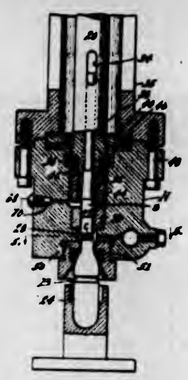
2,481,041
TIRE STAND ACCESSORY
Otto V. Teegarden, Goshen, Ind.
Application July 14, 1944, Serial No. 544,938
6 Claims. (Cl. 144—288)



1. In a tire stand accessory, a bead engaging hook adapted to engage the lower portion of that bead of a tire casing which is dropped into a drop-center of a rim while the rim is held on a tire stand, and means for supporting and manipulating said hook comprising a main lever pivoted to the stand for moving said hook to a position for spreading the tire casing, a stop for said main lever, said hook being pivoted to said main lever for engagement with and disengagement from said bead, an oscillatable element for effecting both the movement of the main lever and the movement of the hook, and an operative connection for effecting such movements by oscillation of said element comprising an over-center resilient connection between said hook and said main lever, said oscillatable element being connected with said over-center resilient connection to move said main lever and said hook as a unit in one direction while the hook is baised by said over-center connection away from the tire bead and until the main lever is stopped by said stop, said oscillatable element upon further movement shifting said over-center resilient connection to its opposite position for engaging said hook with the tire bead, said oscillatable element upon return movement effecting spreading of the tire casing until the casing offers such resistance to spreading as to overcome the resiliency of said over-center connection thereby causing it to return to its initial position biasing said hook away from said

bead but with the hook frictionally engaging the bead to prevent unhooking thereof, so that reverse movement again of the oscillatable element releases the hook from the bead and said resilient connection thereupon swings the hook away from the bead.

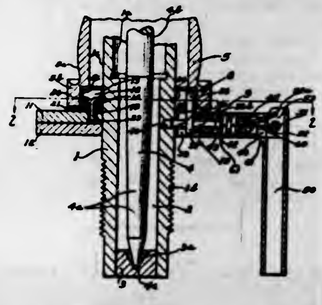
2,481,042
APPARATUS FOR CHARGING AND SEALING METALLIC BULBS
Herbert F. Tomasek, St. Louis, Mo., and Lawrence T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application June 15, 1945, Serial No. 599,594
6 Claims. (Cl. 219—4)



1. In an apparatus for sealing metallic necked bulbs, a bulb seat element adapted to have a bulb seated therein with a metallic cover loose on the bulb, a head movable relative to said bulb seat element and adapted to imperfectly seal against the neck of the bulb below said cover and thereby constitute a chamber surrounding said neck, an electrode movable relative to said head and engageable under pressure with said cover, a diaphragm connection between said electrode and said head to seal off said chamber from atmosphere and permit movement of said electrode relative to said head, and means for supplying welding current to said electrode and said bulb seat element whereby to weld said cover to said bulb while the bulb from its neck up and said cap are under pressure in said chamber.

2,481,043
BRAKE MEANS FOR TEXTILE MILL SPINDLES
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application July 19, 1946, Serial No. 684,642
9 Claims. (Cl. 57—88)

1. In a textile mill spindle, a bobbin-supporting blade and whorl unit having a circular braking surface, brake means cooperating with said surface, means normally holding the brake means in released or non-braking condition, and brake actuating means comprising an overcenter toggle mechanism including a single compression spring arranged to hold the toggle mechanism in overcenter latched condition while simultaneously acting as a yielding push rod to exert braking pressure on the brake means, whereby the blade and whorl unit can be retained against movement



without requiring attention of an operator during doffing of the bobbin.

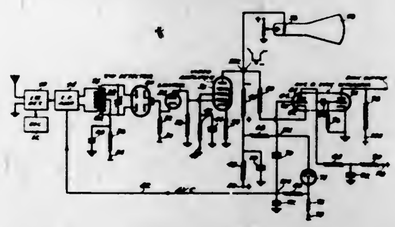
2,481,044
POLYMERIZATION OF 1,3-DIENES IN THE PRESENCE OF BENZYLIC IODIDES
George W. Scott, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 23, 1946, Serial No. 671,915
9 Claims. (Cl. 260—92.3)

6. A method for preparing readily processable polychloroprene which comprises carrying out the polymerization of 2-chlorobutadiene-1,3 in an aqueous emulsion and in the presence of from 0.10% to 10.0%, based on the weight of the 2-chlorobutadiene-1,3, of an aromatic idodo compound of the formula:

$$R-\underset{\displaystyle X}{\underset{|}{CH}}-I$$

in which R stands for a radical of the group consisting of the phenyl, naphthyl and the halogen, nitro and methyl-substituted phenyl and naphthyl radicals, which radicals contain not more than 13 carbon atoms, and in which X stands for a substituent of the group consisting of hydrogen and halogen.

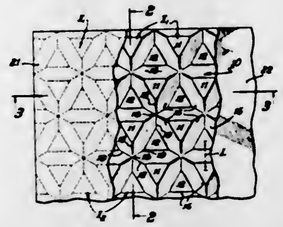
2,481,045
AUTOMATIC VOLUME CONTROL AND SYNC SEPARATOR FOR TELEVISION RECEIVERS
Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 12, 1945, Serial No. 582,386
11 Claims. (Cl. 178—7.5)



6. In a television receiver adapted to receive a composite series of video signals, said receiver including a detector preceded by at least one intermediate-frequency amplifier stage, and a video amplifier connected to said detector so that the video signal output of said video amplifier contains sync pulses extending in a generally negative direction, the combination of an impedance in the output of said video amplifier across which said video signals are developed, an electron discharge device having at least an anode, a cathode and a control electrode, means conductively connecting the cathode and control electrode of said electron discharge device in shunt with the output impedance of said video amplifier so that the cathode and control electrode of said electron discharge device will act in effect as a diode to rectify the sync pulse voltage output of said video amplifier as developed across said output impedance, a voltage divider network, means for applying the rectified output of said electron discharge device to an intermediate point of positive polarity on said voltage divider network so that the positive potential of such point will vary in accordance with variations in the rectified output of said electron discharge device, means for applying said varying positive potential to said intermediate-frequency amplifier stage so as to control the gain thereof, and means in the anode circuit of said electron discharge device for separating from the output of said video amplifier the said sync pulses.

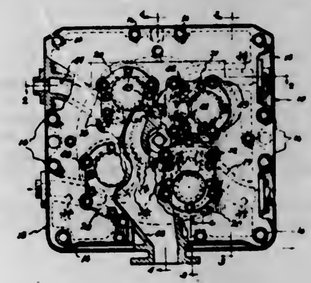
7. A television receiver in accordance with claim 6, in which said means for applying a varying positive potential to said intermediate-frequency amplifier stage includes a pair of capacitors connected between ground and the point on said voltage divider network to which the rectified sync pulse output of said electron discharge device is applied, the connection to said intermediate-frequency amplifier stage being made intermediate the capacitors of said pair.

2,481,046
PANEL STRUCTURE
James C. Scurlock, Los Angeles, Calif., assignor to Western Engineering Associates, Los Angeles, Calif., a limited partnership
Application November 13, 1947, Serial No. 785,810
27 Claims. (Cl. 189—34)



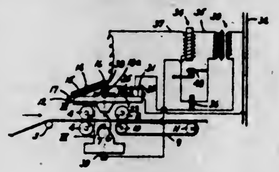
1. In a light-weight, high-strength, metallic panel construction, a core sheet member of relatively thin sheet metal provided with a plurality of hollow polyhedral indentations extending in opposite directions from a medial surface of said sheet member, said indentations comprising one group of similarly oriented congruent indentations having polygonal outer wall portions located in uniformly spaced relation to and at one side of such medial surface, and a second group of similarly oriented congruent indentations having polygonal outer wall portions located in uniformly spaced relation to and at the other side of such medial surface, each indentation having a plurality of inclined substantially planar side wall portions extending divergently from the respective sides of the outer wall portion to said medial surface and each such inclined side wall portion of each indentation of one group being coplanar with a similar side wall portion of an adjacent indentation of the other group to define a substantially flat plane extending between polygonal outer wall portions of adjacent oppositely oriented indentations, and side wall portions of a set of adjacent indentations of each group meeting at a common point substantially at said medial surface; a surface sheet of relatively thin sheet metal extending over one side of said core sheet member; and means attaching a plurality of said polygonal outer face portions of the indentations of the group at said one side of said core sheet member to intersecure said core sheet member and said surface sheet.

2,481,047
MOUNTINGS FOR FLUID PUMPS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1945, Serial No. 591,[illegible]
7 Claims. (Cl. 103—4)



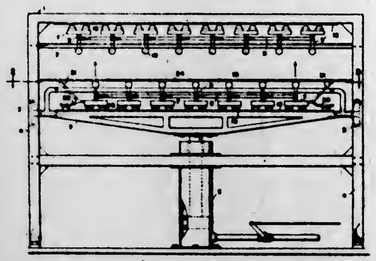
3. In a mounting for a plurality of fluid pumps each of which has a plurality of rotors, a suction port leading to said rotors, a pressure port leading from said rotors, and a shaft for driving said rotors, a drive motor for said pumps, a housing secured to the end of said motor, said motor having a shaft extending within said housing, a gear on said shaft, a plurality of gears journaled in said housing and meshing with said gear, each of said last mentioned gears forming a means for driving one of said pumps, said housing having openings concentric with the axes of rotation of said gears and opening from said gears through the end of said housing opposite from said motor to permit said drive shafts of said pumps to extend therethrough and to be driven by said gears, and said housing having a plurality of pressure and suction ports therein opening through the end thereof opposite from said motor and adapted to register with said suction and pressure ports of said pumps when said drive shafts of said pumps are in driving connection with said gears, to permit said pumps to be secured to the end of said housing opposite from said motor and be driven from said motor and obtain fluid from said housing and deliver fluid under pressure through said housing without the use of external piping means.

2,481,048
APPARATUS FOR PREPARING FIBER PRODUCTS
Robert A. Smith, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 6, 1946, Serial No. 660,645
1 Claim. (Cl. 19—1)



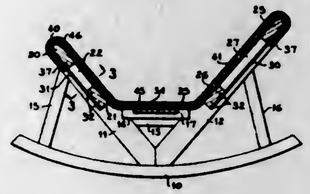
Apparatus for converting a continuous aggregate of filaments of indefinite length into a staple fiber product comprising two opposed electrodes, means for continuously feeding the aggregate as a band of generally parallelized filaments between the electrodes, one of the electrodes being stationary and extending across the path of the band, the other being mounted movably in a direction generally parallel to the stationary electrode, means for impressing a high potential electric current across the electrodes, and means for reciprocating the movable electrode.

2,481,049
APPARATUS FOR CORRUGATING SHEET MATERIAL
Alfred J. Stamm and Harold Dale Turner, Madison, Wis.; dedicated to the free use of the People in the territory of the United States
Application April 16, 1947, Serial No. 741,832
9 Claims. (Cl. 154—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



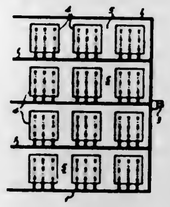
1. Apparatus for pressing a sheet into corrugated state comprising a set of spaced-apart, longitudinally extending mandrils, supporting carriages for the mandrils, a second set of spaced-apart mandrils, opposite the spaces between the first set, supporting carriages for these mandrils, means carrying one set of carriages, means for moving said carrying means to press one set of mandrils against the sheet, a pressure head for the other set of mandrils, rotating traction means interposed between the carriages of one set and the pressure head, and between the carriages of the other set and the carrying means for the latter, the carriages being free to move, on said traction means, along the plane of the sheet, in a direction transverse to the length of the mandrils.

2,481,050
FOOT AND LEG REST
George Eli Starnes, Fort Mill, S. C.
Application September 23, 1948, Serial No. 50,679
1 Claim. (Cl. 219—19)



In combination, a foot and leg rest and a heating pad, said foot and leg rest comprising a pair of bottom rockers, and upwardly diverging frame members secured to each of the rockers, and cross members between the upwardly diverging frame member on each of the rockers, a layer of upholstery secured to the cross members and a layer of fireproof padding mounted on the layer of upholstery, an electrical heating pad surrounded by the layer of fireproof padding, a second layer of upholstery covering the layer of fireproof padding, a source of electrical energy, a connection between the heating pad and the source of electrical energy to thus provide a means for heating the layers of upholstery.

2,481,051
PROCESS AND APPARATUS FOR THE RECOVERY OF VOLATILIZABLE CONSTITUENTS FROM UNDERGROUND CARBONACEOUS FORMATIONS
Lester C. Uren, Berkeley, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1945, Serial No. 635,394
7 Claims. (Cl. 262—1)



5. The process of recovering volatilizable constituents from underground formations of carbonaceous material which comprises forming a stope in the formation containing the carbonaceous material in fragmentary form, initiating combustion at the top of the material, maintaining a down-draft on the products of combustion to thereby establish a volatilizing zone beneath the combustion zone, progressively moving the combustion zone downwardly through the mass to thereby progressively move the volatilization zone downwardly through the mass and withdrawing the products of combustion and the volatilized constituents from the bottom of the stope.

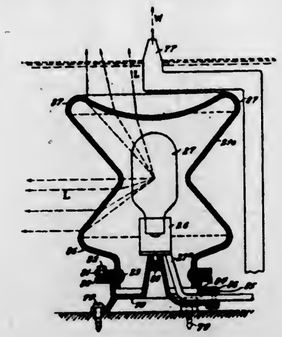
2,481,052
POLYMERIZATION OF ORGANO-SILOXANES
Earl Leathen Warrick, Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application October 3, 1944, Serial No. 557,655
10 Claims. (Cl. 260—46.5)

1. The method which comprises heating a liquid organo-siloxane having between 1.5 and 2.25 organic radicals per silicon, with 0.1 to 10 per cent by weight based on the siloxane of a diacyl peroxide containing at least one aromatic acyl radical, at a temperature above the decomposition temperature of the peroxide until an increase in viscosity of the siloxane is obtained, the organic substituents of said siloxane being selected from the group consisting of alkyl and aryl radicals.

2,481,053
WELDING OR BRAZING FLUX COMPOSITION
Rene Wassermann, New York, N. Y.
No Drawing. Application July 28, 1945, Serial No. 607,657
5 Claims. (Cl. 148—26)

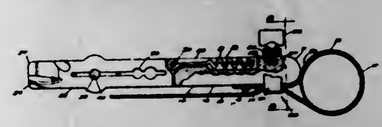
5. A flux composition consisting of about 25% by weight of cadmium chloride, the remainder being composed of substantially equal parts of lithium chloride, sodium chloride and potassium chloride together with about 10% by weight of a sodium fluoride.

2,481,054
LIGHT PROJECTOR
Rudolf Wendel, Roslyn Heights, N. Y.
Original application January 11, 1941, Serial No. 374,039. Divided and this application July 24, 1944, Serial No. 546,235
5 Claims. (Cl. 240—26)



1. The combination with a fountain structure comprising a well and means for forming a water-spray above the surface of the well, of a projector for illuminating the spray and the collected water in the well, comprising a transparent casing adapted to be supported in the wall of the fountain below the surface of the water, and a source of light within the casing, the sides of the casing being so curved as to shape the body of water about the same into the form of an arcuate lens which directs the rays into the body of water in a substantially horizontal direction, the upper portion of the casing being likewise curved to direct the rays upwardly into the spray and out of the line of sight of spectators about the fountain, whereby the source of illumination remains concealed.

2,481,055
FLEXIBLE STRIP JAR CAP WRENCH
Randall J. Whitaker, Newport, R. I.
Application May 24, 1946, Serial No. 671,003
1 Claim. (Cl. 81—3.3)



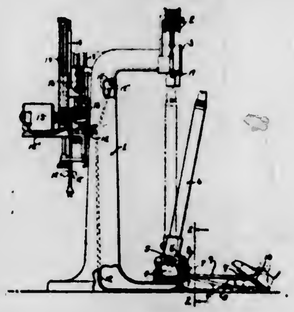
A torque applying device comprising a rigid handle member having a rounded end, a flexible strap providing a loop with its end portions extending one along the other and with one end portion secured to said member adjacent said rounded end, a clamp having walls completely encircling said member and both end portions and in contact with the outer of said end portions, a thumb screw through one portion of said clamp, said handle member having a recess in its surface in a position to receive the inner end of said thumb screw, and a shoe of hard material in said recess against which said screw engages to act as an abutment to draw said clamp against said strap portions, whereby said rounded end upon movement of the handle member in one direction will roll along the outer surface of said secured strap end portion and draw the other strap end portion in greater tension about the work within the loop.

2,481,056
DENTAL KIT
Jones Chesley White, Swampscott, Mass.
Application May 13, 1947, Serial No. 747,648
1 Claim. (Cl. 132—84)



A dental kit including a toothbrush having a substantially straight handle portion and a brush portion extending generally perpendicularly from said handle portion near one end thereof, an outer container and positive-lock-type cap together defining a carrying compartment for the brush, an inner container and friction-fit-type cap of substantially uniform cross-sectional shape placeable within said carrying compartment in a position to be opposite said handle portion and generally conforming to that portion of said compartment opposite said handle portion, and the length of the inner container with its cap and the length of the brush portion together being equal to the interior length of the outer container whereby the brush portion forms an abutment restraining the friction-fit-type cap against slipping off the inner container.

2,481,057
BOX STITCHING MACHINE
Nicholas A. Young and Peter Brehm, Racine, Wis., assignors to American Machine Works, Racine, Wis.
Application November 23, 1946, Serial No. 711,862
1 Claim. (Cl. 1—15)



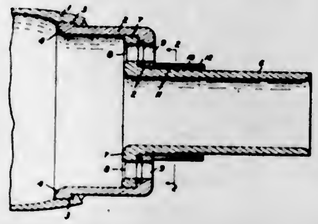
In a wire stitching machine, the combination of a staple driving mechanism, means for operating the staple driving mechanism, a clutch device for throwing the staple driving mechanism into and out of operation, a solenoid for actuating the clutching device, a pivoted "clinching post" associated with the staple driving mechanism, a spring for holding the post in its idle position, a cam lever for actuating the post in opposition to its spring tension, a foot actuated stirrup carried by the cam lever, a foot pedal pivoted thereto, and a push button switch nested within the stirrup and electrically connected to the solenoid, the switch being closed by foot action upon the pedal, following depression of the stirrup, to shift the "clinching post" in alinement with the aforesaid staple driving mechanism.

2,481,058
MATHEMATICAL GAME
Dominic A. Zarlenga, Denver, Colo.
Application June 2, 1947, Serial No. 751,794
5 Claims. (Cl. 35—31)



1. An educational game device comprising: a first problem piece; a second problem piece, each problem piece carrying a numeral; devices projecting from each piece, the number of devices projecting from each piece corresponding to the numerical value of the numeral thereon; an answer piece; and projections on said answer piece corresponding in number to the total number of projecting devices on both the problem pieces the projections on said answer piece interfitting with all of the devices projecting from both problem pieces.

2,481,059
ADJUSTABLE ROCKET NOZZLE
Alfred Africano, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War
Application August 28, 1944, Serial No. 551,574
1 Claim. (Cl. 60—35.6)



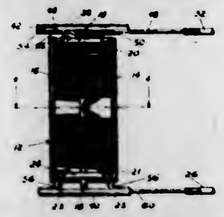
In combination, a nozzle for a rocket motor including a first cylindrical member having a flanged surface extending generally inwardly thereof, said surface having a plurality of openings formed therein, a second member of smaller cross section than said first member forming a constriction and discharge passage for the propulsion fluid within said motor, said second member having a flanged surface extending outwardly therefrom and conforming generally with the flanged surface of said first member, said flanged surface of said second member also having a plurality of openings therein, means securing said first and second members to said motor with their respective flanged surfaces abutting, said means permitting relative rotational movement to vary the overlapping portions of said opening to vary the port area for discharge of the propulsion fluid of said motor, and means locking said first and second members against relative angular movement.

2,481,060
PROCESS OF MANUFACTURING RUBBER THREAD
Sterling W. Alderfer and Alfred Boshard, Akron, Ohio, assignors to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio, a corporation of Ohio
Application July 30, 1947, Serial No. 764,846
17 Claims. (Cl. 18—54)



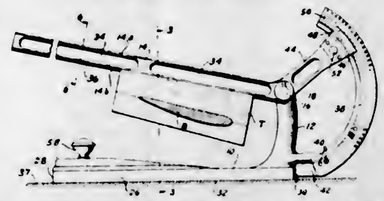
1. The process of making rubber threads comprising compounding a rubber stock with inert vulcanizing ingredients, sheeting the rubber stock to a predetermined gauge, slitting the sheet thus formed into a multiplicity of threads, stretching the threads to reduce their cross section, activating the vulcanizing ingredients, coating the threads with an adhesive film, adhering the threads to a surface, retaining the threads on the surface until stresses imparted by the stretching operation are relieved, and then curing the relaxed threads without removing them from the support.

2,481,061
CATHODE FOR MAGNETRONS
Homer G. Andersen, Newtonville, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Original application November 7, 1944, Serial No. 562,234. Divided and this application August 20, 1947, Serial No. 769,705
2 Claims. (Cl. 250—27.5)
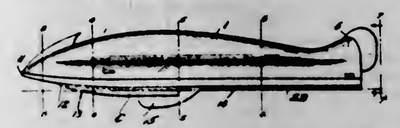


1. An electron discharge device of the magnetron type, comprising: a cathode structure; an anode structure, incorporating a cavity resonator, spaced from said cathode structure; and means adjacent said cathode and anode structures for establishing a magnetic field in a direction transverse to the discharge path therebetween; said cathode structure including a conductive sleeve provided with with an electron-emissive coating; and a heater wire mounted in said sleeve, said heater wire being in the form of a helix coiled in one direction throughout a portion of its length and in the opposite direction throughout another portion of its length.

2,481,062
PROTRACTOR
Oscar L. Anderson, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 25, 1943, Serial No. 503,796
6 Claims. (Cl. 33—75)



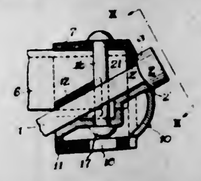
1. A bench protractor for indicating the angle of pitch of a propeller blade relative to the flat top surface of a test bench comprising, an elongated base member having a bottom reference surface adapted to rest upon the top surface of the bench and provide a stable support on which the protractor stands erect, a pedestal upstanding from said base adjacent one end thereof comprising a grasping portion, an arm pivotally mounted adjacent one of its ends on the upper end of said pedestal above said grasping portion and having a major portion of its length overlying said base, said arm having a reference surface on one of its longitudinal edges and being swingable from a position in which its reference surface is substantially at right angles to the reference surface on said base into a position in which its reference surface is disposed adjacent and parallel with said reference surface on said base and in vertically spaced relation to said base to provide a blade receiving space between said base and said reference surface on said arm, said arm having an extension on the other side of its pivot carrying indicating means, and a scale carrying member upstanding from said base member in laterally spaced relation to said pedestal and cooperating with said indicating means.

2,481,063
BOAT
Arno A. Apel, Ventnor, N. J.
Application May 29, 1945, Serial No. 596,531
3 Claims. (Cl. 114—66.5)



1. A boat hull having a main bottom, the forward end of the bottom sloping slightly downwardly and then extending in an unbroken surface to the stern, stabilizers at the bow of the boat extending to amidship and positioned on the bottom and wholly encompassed within the sides of the boat, the said stabilizers merging with the bottom at their forward ends and extending below the surface of the bottom at their rear ends and supplemental bottoms coextensive in width with stabilizers at their aft ends and extending from the aft end of the stabilizers to the stern and on each side of the main bottom but in a higher longitudinal plane than the normal bottom of the boat, to thus reduce the skin friction below the water line and the air resistance above the water line.

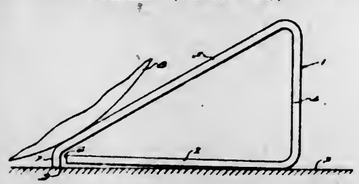
2,481,064
BRAKE BEAM
Walter F. Hess, Chicago, Ill.
Application April 19, 1946, Serial No. 663,489
13 Claims. (Cl. 188—223.6)



1. In a brake-beam of the type comprising a strut member extending in the direction of the applied load; a compression member engaged at its mid-point by said strut; a tension rod member engaging the end of said strut remote from said compression member and extending from said strut engagement diagonally to the ends of said compression member; and a brake-head member at each end of said compression member; the combination of: integral abutments at the extreme ends of said tension rod defining shoulders for receiving the tension load; said tension rod having adjacent said shoulders opposite faces parallel to the tension rod axis and to each other; gripping means for engaging said tension rod faces adjacent said shoulders; and abutment means for receiving said shoulders; said gripping means and abutment means being carried by each said brake-head; said gripping means including a wedge member having part of said abutment means formed on its outer end and receiving the thrust of said shoulders,

whereby a friction grip on said rod surfaces is generated by the tension in said tension rod which develops transverse compression stress in said rod adjacent said shoulders; said tension rod having a bight at the end of said strut; said strut having locking means for engaging said bight; and said locking means being adapted to be changed from tensioned position to a withdrawn position to permit said tension rod abutments to move beyond assembled position and leave clearance for the insertion of a said wedge member.

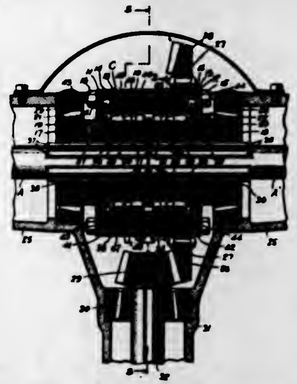
2,481,065
WHEEL BLOCK
Jay C. Auten, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corperation of Delaware
Application December 29, 1945, Serial No. 637,959
1 Claim. (Cl. 188—32)



A wheel chock substantially defining, in side elevation, a right triangle and comprising a flat base portion having first and second ends, a side portion extending from the first end of said base portion and cooperating with said base to define a right angle, a wheel engaging portion inclined relative to the other portions of the chock and forming the hypotenuse of the triangle, said wheel engaging portion being joined to the side portion, overlying the base portion and having a free end provided with a lip deformed out of the plane of said wheel engaging portion into a plane normal to said base portion, said lip being in close proximity to, but spaced from, the second end of said base portion and extending beyond the plane of said base portion to provide a straight edge adapted to serve as a biting edge on that portion of said chock adapted to be located adjacent a vertical plane containing the axis of the cooperating wheel and to be impaled vertically into the ground as an incident to engagement of said wheel engaging portion by a wheel, and to thereby act as a fixed abutment to limit movement of said base portion in one direction relative to said wheel engaging portion as an incident to overload of said chock.

2,481,066
AUTOMATIC POWER LOCKING DIFFERENTIAL DRIVING MECHANISM
Walter Bagge, Los Angeles, Calif., assignor, by direct and mesne assignments, to Hughes Tool Company, Culver City, Calif., a corporation of Delaware
Application March 19, 1948, Serial No. 15,828
10 Claims. (Cl. 74—650)

1. Automatic power locking differential driving mechanism comprising: two co-axially arranged, rotatably mounted driven members having peripheral surfaces; a support rotatably mounted co-axially of said members; a driving element common to said driven members and having two working surfaces; means pivotally mounting said driving element on said support about a fixed axis laterally offset from and parallel to the axis of said driven members, for swinging movement of the driving element in one direction or the other, to accordingly dispose one of said working surfaces in an active wedging relationship to said peripheral surfaces of said driven members in one direction circumferentially thereof, or to dispose the other of said working surfaces in an active wedging relationship to said peripheral surfaces of said driven members in the opposite direction circumferentially thereof; rollers for each of said driven members; and means mounting said rollers on said driven members to co-act with one working surface or the



other in establishing a wedged driving connection between the support and the respective driven members in one direction of rotation of the support or the other; said working surfaces being in such angular relationship that when either of such surfaces is in active wedging relationship to the peripheral surfaces of said driven members, to establish said driving connection, the other of the working surfaces will be incapable of co-acting with the rollers in establishing said driving connection, whereby to permit differential rotation of the driven members in either direction.

2,481,067
TIME PERIOD INDICATOR
Mark T. Benner and Jules B. Fortier, Pittsburgh, Pa.
Application December 31, 1946, Serial No. 719,378
1 Claim. (Cl. 235—88)



An indicator of the class described, comprising a flat base disk displaying four spaced concentrically arranged rows of consecutively disposed numerical designations, each of said rows of numerical designations representing the days of a full month and varying in the number of numerical designations with respect to any other of said rows of numerical designations, and a flat operating disk mounted on said base disk and being revolubly connected to the latter, the top surface of said operating disk being divided by lines into four concentrically arranged zones, each of said zones being provided with a pair of spaced openings disposed in registration with respective rows of numerical designations, one opening of said pair of openings being of a size allowing the display of but one numerical designation therethrough at any one time and the other opening being of a size allowing the display therethrough of nine consecutive numerical designations at any one time, the space intervening between each pair of said associated openings being of a length to conceal the eight consecutive numerical designations disposed between the adjacent ends of each pair of associated openings, each of said zones displaying indicia designating different day months, and each of said zones displaying an arrow designating the direction of rotation of said operating disk on said base disk.

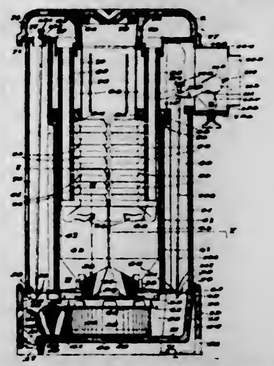
2,481,068
ELECTROACOUSTIC TRANSLATOR, INCLUDING IMPEDANCE MATCHING
Frank Powell Best, Chelmsford, England, assignor to Marconi Sounding Device Company Limited, London, England
Application November 27, 1945, Serial No. 631,042
In Great Britain November 27, 1944
10 Claims. (Cl. 177—386)



1. An acoustic echo-sounding system comprising an electro-acoustic translator having an acoustic resistance which is high relative to the acoustic resistance of water, means defining an acoustic wave energy transmitting column coupling said translator to the transmitting medium, said wave energy transmitting column being a column of liquid of predetermined acoustic resistance which is high relative to the acoustic resistance of water, and a member made of a material having approximately the same acoustic resistance as said liquid interposed as a rigid closure plate member for said column between said column and said medium, said transmitting column, said member, and said translator all having substantially the same acoustic resistances.

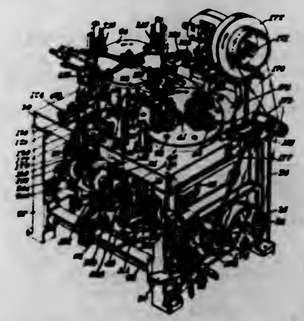
2,481,069
CERAMIC SPACE HEATER
George A. Bole and DeWitt H. Wyatt, Columbus, Ohio, assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio
Application May 30, 1944, Serial No. 538,035
8 Claims. (Cl. 126—63)

1. A solid fuel burning heater, comprising a casing of ceramic composition, composed of a base section formed with an air-admitting ash pit, a separable intermediate section having an internal fuel magazine positioned on said base section, said intermediate section being formed to provide spaced inner and outer vertically extending parallel walls integrally united at intervals by transverse walls, said walls forming therebetween open-ended heat interchanging passages consisting of: first, a passage for the travel of air used in fuel combustion, second, a flue gas passage, third, a plurality of air-heating passages and, fourth, a check draft passage, said combustion air passage being in communication at its lower end with the atmosphere of said ash pit and at its upper end with said fuel magazine, said flue gas passage being provided adjacent to its lower end with a flue gas inlet and at its upper end with a flue gas outlet, said air-heating passages at their lower and upper ends being in communication with the atmosphere, and said draft passage at its lower end being in communication with the atmosphere of said ash pit and having a flue gas inlet adjacent its lower region



and a flue gas outlet at its upper end, a separable top section seated on the upper portion of said intermediate section, fire bowl refractories providing a high temperature combustion zone stationarily disposed in the bottom of the fuel magazine provided centrally in the intermediate section, said refractories being spaced from the inner walls of the intermediate section to provide a flue gas space therebetween with which space the inlet openings in the lower portions of the flue gas and draft passages are in open communication, and a grate supported between said ash pit and said high temperature combustion zone.

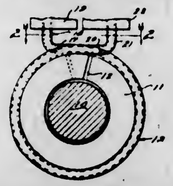
2,481,070
MAGAZINE FORMING AND LOADING MACHINE
Joseph M. Bowen, West Quincy, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application September 11, 1943, Serial No. 501,987
22 Claims. (Cl. 226—14)



1. A magazine-forming and loading machine comprising a turret having a plurality of maga-

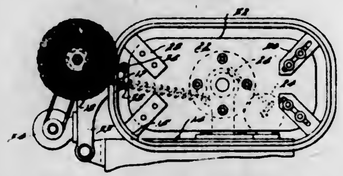
zine-holding fixtures movable intermittently with the turret from station to station thereon, separate loading and forming mechanisms located at spaced stations about the turret and operating respectively to deliver blades to the magazines presented by said fixtures and to form the magazines one after another, a hold-down device for each fixture, means for retracting the hold-down devices during the movement of the turret, and separate means for retracting the hold-down device at one station while the turret is at rest.

2,481,071
HIGH-FREQUENCY INDUCTION HEATING DEVICE
Omer E. Bowlus, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 25, 1945, Serial No. 606,905
8 Claims. (Cl. 219—13)



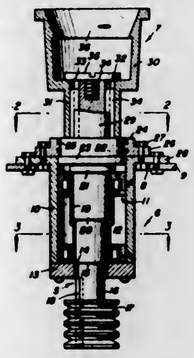
1. A high-frequency heater for the external surface of an article, comprising a current-conducting ring having a split and being adapted to surround the article at the surface to be heated and a hollow coolant-carrying current-conducting element having an intermediate portion extending from one side of the split around the ring to the other side of the split and bonded to the exterior of the ring, a first terminal portion extending from the end of the intermediate portion at the said one side of the split across the split into overlapping relation with the end of the intermediate portion of the element at the other side of the split but out of contact with the ring and the end of the intermediate portion of the element at the said other side of the split, and a second terminal portion extending from the end of the intermediate portion of the element at the said other end of the split across the split into overlapping relation with the end of the intermediate portion at the said one side of the split but out of contact with the ring and the end of the intermediate portion at the said one side of the split.

2,481,072
METHOD OF MAKING BUMPERS
John H. Brazil, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 30, 1948, Serial No. 36,141
7 Claims. (Cl. 29—152)



1. A method of making automobile bumpers consisting in mounting a rectangular metallic annulus member having continuous inner and outer surfaces and a bonded joint substantially midway a short side thereof on a holding element by its inner surface only, polishing the contiguous portions of said continuous outer surface with a rotary brush while so held, during said polishing continuously adjusting the relative positions of the brush and the said outer surface of the member to maintain a substantially uniform relationship therebetween whereby to uniformly polish the said contiguous portions and thereafter severing said member at the bonded joint and at the short side of the member opposite the joint to produce two bumpers.

2,481,073
BENCH-TYPE POTTERY WARE JIGGERING DEVICE
Ralph E. Brock, Cambridge, Ohio
Application January 30, 1948, Serial No. 5,374
3 Claims. (Cl. 25—24)

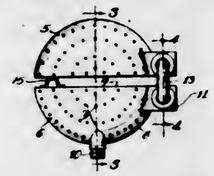


1. In a construction of the class described, in combination, a bench having an opening, a housing for bearings comprising a cylinder fitting removably down through said opening and provided with an attaching flange secured to the bench and around the marginal edges of the opening, bearing assemblies fitted removably in said cylinder, an annular plate closing the bottom of the cylinder, a longitudinally shouldered shaft mounted for rotation in said cylinder and having a shouldered lower end portion extending through and beyond the plate and provided with a pulley, the intermediate portion of the shaft being formed into a flanged hub, a bearing collar surrounding the hub and engaging the latter flange, said bearing collar being itself provided with a flange and said flange being removably bolted to the first-named bench flange, the end portion of the shaft, beyond said hub, being fashioned to provide a stud-like adapter for a readily applicable and removable jiggering head.

2,481,074
LAWN SPRINKLER
James R. Brown, Houston, Tex.
Application February 11, 1946, Serial No. 646,867
2 Claims. (Cl. 299—141)

1. A lawn sprinkler comprising a pair of semicircular spray heads, one of said heads having a hose connection, a chamber projecting outwardly from one end of each head and communicating therewith, and an inverted U-shaped connector

pivotally connected at its ends to said chambers for independent swinging movement of the heads



in a common plane, said connector providing a passage between the chambers.

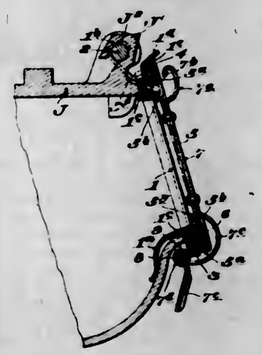
2,481,075
TENNIS RACKET
William T. Brown, West Suffield, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application January 11, 1946, Serial No. 640,453
10 Claims. (Cl. 273—73)



1. In a tennis racket, a bow substantially oval in shape, having handle extensions; and a throat-piece between said extensions, shaped to complete the oval defined by the bow, said throat-piece and bow each having integral portions forming continuations of each other and lying in the oval, said portions being substantially thicker than the remaining portions thereof to provide increased strength thereto and being shaped to simulate arcuate reinforcing strips at the handle end of the bow.

2,481,076
JOURNAL BOX LID
Donald D. Bryant, Huntington, W. Va.
Application March 18, 1948, Serial No. 15,629
12 Claims. (Cl. 308—45)

1. For a journal box or the like, having a bottom wall sloping upwardly and outwardly and terminating at an opening in the outer end thereof, said box having a hinge lug on its top carrying a hinge pin; a lock seal lid, comprising a frame hinged on said pin and having an opening therein corresponding in area with the box opening; a gasket around the inner face of the frame adapted to engage the end of the box around said opening; means for maintaining the frame in tight contact with the box end; a second hinge pin mounted on the outer face of the frame adjacent the top thereof; a cover plate hinged on the second pin and adapted to overlie the frame; a second gasket around the inner face of the cover plate projecting beyond



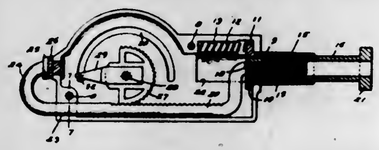
said inner face and adapted to contact the outer face of the frame; means on the lower end of the plate yieldably engaging the frame for locking the cover plate in tight contact with the frame when the cover is closed; and means on the cover plate and frame for holding the cover plate in open position when opened.

2,481,077
JET HEATER
Albert W. Buell, Seattle, Wash.
Application July 24, 1945, Serial No. 606,843
6 Claims. (Cl. 219—39)



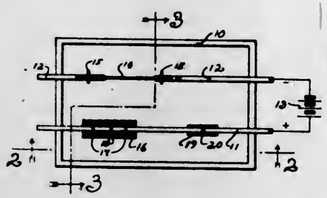
1. In a room heater, an elongated heater casing arranged to occupy a vertical position and formed with separate air-flow passages running lengthwise of the casing and placed one within the other, the casing being open bottom and top, and heating instrumentalities one of greater and the other of lesser heating capacity both supported within the inner said passage with the greater instrument lying toward the bottom and the lesser instrument lying toward the top of the passage.

2,481,078
INDICATING CALIPER GAUGE
Howard A. Burdwood, Portland, Maine
Application December 8, 1944, Serial No. 567,201
6 Claims. (Cl. 33—147)



3. A gauge of the class described comprising a housing, a fixed gauge element at one end of the housing, a rack bar slidably mounted in the housing, a movable gauge element at one end of the rack bar and arranged for movement toward and away from the fixed gauge element, a screw on the other end of the rack bar, an internally threaded sleeve slidably mounted in the housing, spring means projecting the sleeve, an internally and externally oppositely threaded screw threadedly connecting the screw end of the rack bar and the sleeve and adapted to adjust the movable gauge element, a gear segment journalled in the housing and operatively engaged with the rack bar, and an indicator carried by the gear segment, said rack bar and movable gauge element being movable away from the fixed gauge element independently of the screws.

2,481,079
METHOD OF MAKING ELECTROLYTIC DENDRITIC POWDERED IRON
Helen M. Casey, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 26, 1945, Serial No. 574,806
4 Claims. (Cl. 204—10)



1. The method of manufacturing powdered iron particles of dendritic structure which comprises forming an aqueous solution having a solute consisting of from approximately 30 to approximately 90 grams per liter of ferrous chloride and from approximately 10 to approximately 80 grams per liter of ammonium chloride, passing current having a density of from approximately 45 to 200 amperes per square foot through said solution between a ferrous cathode and an anode comprising separate iron and carbon portions of such relative surface areas and so spaced from said cathode that from 5% to 10% of said current is conducted directly to said solution by said carbon anode portion, and maintaining the pH value of said solution against decreasing from between approximately 4.0 and approximately 6.3 by increasing the distance between said cathode and said carbon portion of said anode during continued deposition of iron from said solution.

2,481,080
STABILIZATION OF UNSATURATED NITRILES
Robert C. Castner, Berkeley, and Leslie M. Peters, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 6, 1948, Serial No. 19,425
9 Claims. (Cl. 260—465.9)

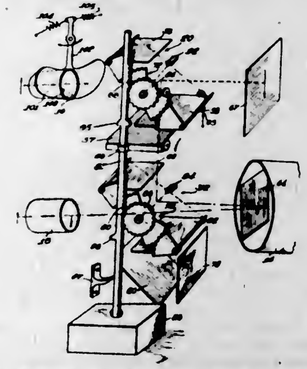
1. The method of inhibiting the auto-polymerization of acryonitrile which comprises incorporating therewith from about .01% to about 3% by weight of para-tert-butyl catechol.

2,481,081
MEANS FOR ALIGNING TYPE PALLETS
Walter Gustav Celva, Denver, Colo., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 6, 1946, Serial No. 681,746
9 Claims. (Cl. 113—99)



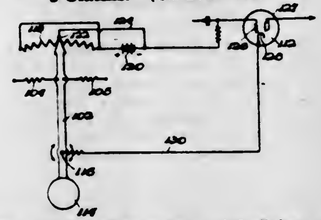
1. A device for aligning a group of the type-pallets of a typewriter, each of which has thereon two characters which are spaced apart, the distance between the lower edge of the upper character and the upper edge of the lower character being the same for all of a given group of pallets, the said device including a base adapted to fit over the type-bar guide of the typewriter, and means connected to the said base to effect the alignment, the said means comprising a plate, the upper end of which is shaped to conform to the space between the said edges of the character upon the face of each type-pallet of a group when such pallet is held within the said type-bar guide.

2,481,082
TELEVISION CAMERA LENS SWITCHING DEVICE
Thornton W. Chew, Washington, D. C.
Application June 4, 1945, Serial No. 597,496
4 Claims. (Cl. 95—44)



1. In a camera having a photo-sensitive surface and a pair of lenses, the optical axis of one lens being aligned to transmit an image directly to said surface, and the optical axis of the other lens being offset from said surface, means including a pair of spaced-apart angularly positioned mirrors for transmitting an image indirectly from said other lens to the photo-sensitive surface, one of said mirrors being positioned to intercept the image transmission from said one lens to the surface when said mirrors transmit the image from said other lens, and means for interrupting the image transmission from said other lens to the surface, and establishing the image transmission from said one lens to the surface, including a device for sequentially positively intercepting image transmission from said other lens to the surface and for then moving said one mirror out of its image intercepting position.

2,481,083
INERTIA-OPERATED PANNING DEVICE
Thornton W. Chew, Washington, D. C.
Application February 15, 1946, Serial No. 647,867
8 Claims. (Cl. 178—7.2)

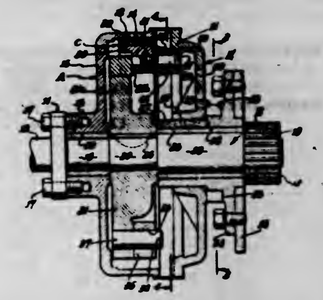


3. The combination with a television camera having an input circuit, an output circuit and an amplifying tube therebetween, of means for blocking the image transmission through said tube during panning movement of the camera at a changing rate, comprising an arm, means for pivotally mounting said arm intermediate the ends thereof, a weight adjustably mounted on said arm below said pivot, circuit connections controlled by pivotal movement of said arm in either direction to apply a blocking potential to the control element of said tube to prevent image transmission from said input to said output, and resilient means connected with said arm to normally maintain the latter and said circuit connections in position to render said tube operative during panning of the camera at a constant rate of movement.

7. The combination with a camera having a lens and a light-sensitive surface, of means for blocking the image transmission from the lens to said surface comprising an inertia operated shutter responsive to panning of the camera at a changing rate of movement, for movement to an image-blocking position, said shutter comprising a pivotally mounted inertia member, and resilient means normally maintaining the shutter in position to permit image transmission but yieldable to allow movement of the member to block image transmission when the panning of the camera takes place at a changing rate of movement.

2,481,084
CAM OPERATED TRANSVERSELY ENGAGED CLUTCH
Guy K. Claire, Rolling Hills, Calif., assignor, by mesne assignments, of one-half to Arthur L. Armentrout, Long Beach, Calif.
Application December 29, 1945, Serial No. 637,832
15 Claims. (Cl. 192—75)

2. A clutch including a drum, a member concentric with the drum, a shoe pivotally carried by said member, means normally yieldingly holding the shoe in friction engagement with the drum,



a projection on the shoe, a ring shiftable axially of said member and engageable with the projection to release the shoe from the drum, and cam means acting to shift the ring axially.

2,481,085
BELT HOOK PACKAGE
Erwin P. Claus, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application October 16, 1946, Serial No. 703,562
2 Claims. (Cl. 1—56)



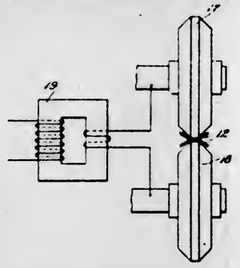
1. A belt hook package comprising a one-piece tubular member of sheet material, said member being of polygonal cross-section, slit in its bottom side to form a pair of coextensive flaps and having belt hook supporting openings along its lateral sides, and a plurality of relatively spaced substantially U-shaped hooks having opposed inturned prongs at the free ends of the U, said hooks straddling the closed side of the tubular member and being mounted in the openings in said tube with the prongs passing through the wall of the tube and terminating behind the flaps and protected by the same.

2,481,086
STABILIZATION OF POLYVINYL CHLORIDE COMPOSITIONS
Desmond Cleverdon, Bournemouth, and Hanns Peter Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland
No Drawing. Application January 29, 1946, Serial No. 644,184. In Great Britain January 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 22, 1965
10 Claims. (Cl. 260—45.75)

1. A heat stable vinyl resin composition comprising a polymeric vinyl resin containing vinyl chloride units in its structure and a stabiliser comprising a dibutyl dialkoxy compound of a metal of Group IV b of the Periodic Table according to Mendeleef, the alkoxy groups in said

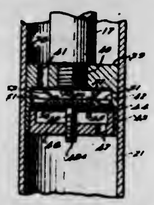
metal compound each containing not more than eight carbon atoms said compositions remaining substantially translucent to transparent on prolonged heating.

2,481,087
METHOD OF ELECTRIC RESISTANCE SEAM WELDING BIMETALLIC ELEMENT
George W. Crise, Columbus, Ohio
Application December 7, 1944, Serial No. 567,089
2 Claims. (Cl. 219—10)



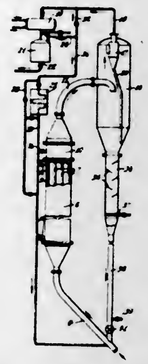
1. The method of producing bimetal elements which comprises forming a pair of transversely flat strips composed of dissimilar metals into strips having longitudinally extending flat central portions and lateral edge portions disposed in angular relation to the central portions of the strips, bringing said strips into longitudinally and vertically aligned juxtaposition with the central portions of each of the strips in abutting relation and the edge portions thereof in separated relation, and electric resistance welding the strips together continuously along their abutting central portions only, whereby to leave the lateral edge portions of the strips free for relative movement.

2,481,088
VALVE STRUCTURE
Herman C. Cuskie, Rolla, Mo., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 29, 1944, Serial No. 570,306
2 Claims. (Cl. 251—144)



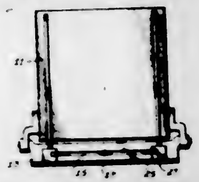
1. A valve comprising a cup-shaped structure including a base portion provided with an opening therein, a body portion comprising a continuous annular wall, and means forming a shoulder in the wall at a region spaced from the base portion, a resilient flat deformable element positioned within the cup-shaped structure with its periphery at the shoulder and comprising an annular inner margin movable with respect to the periphery away from the base of the cup-shaped structure under deformation of the element and defining a valve opening, a retainer fitting in threaded engagement with said wall for holding the periphery of the deformable element fixedly against the shoulder, a member positioned between the base portion of the cup-shaped structure and the deformable element, said member covering the valve opening and having an annular rib engaging the annular inner margin of said deformable element, said member being movable away from the base portion of the cup-shaped structure so as to remain in contact with the annular inner margin of the deformable element during the above-described movement of said inner margin, an adjustable threaded device having a slot at one end for rotation by a tool and being mounted in the retainer so as to project through the valve opening and having its other end engageable with a central portion of said member, thereby allowing the inner margin of said deformable element to move away from said member for opening the valve passage, and spring means to normally hold said member in engagement with said deformable element, said retainer and said member being provided with means to allow passage of fluid through the valve when said member and said deformable element are out of contact.

2,481,089
PROCESS AND APPARATUS FOR THE SYNTHESIS OF ORGANIC COMPOUNDS
Norman L. Dickinson, Basking Ridge, N. J., assignor to The M. K. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 6, 1947, Serial No. 732,846
15 Claims. (Cl. 260—449.6)



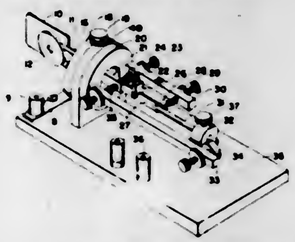
1. A process for hydrogenating carbon monoxide to produce organic compounds having more than one carbon atom per molecule which comprises passing a gaseous mixture comprising hydrogen and carbon monoxide upwardly through a plurality of elongated successive reaction zones, entraining in said gaseous mixture a finely divided metal hydrogenation catalyst comprising iron in an amount between about 1 and about 18 pounds per cubic foot of gas, maintaining the velocity of said upwardly flowing gaseous mixture greater than about 6 feet per second under conditions such that a dense pseudo-liquid phase of catalyst is not formed and such that the finely divided catalyst continuously moves in the direction of flow of the gases in said plurality of reaction zones, maintaining the outlet temperature in the first of said plurality of reaction zones between about 450 and about 600° F., maintaining an average temperature in the last of said plurality of reaction zones between about 600° F. and about 700° F. and at least 25 degrees above the outlet temperature in the first of said plurality of reaction zones, maintaining a pressure between about 80 and about 500 pounds per square inch gage in said plurality of reaction zones, continuously withdrawing from the upper portion of the last of said plurality of reaction zones an effluent comprising organic compounds and entrained catalyst, separating entrained catalyst from said effluent, recycling the separated catalyst, and recovering organic compounds from said effluent as products of the process.

2,481,090
ATTACHMENT FOR PRINTING PRESSES
Don R. Donnell, Los Angeles, Calif.
Application August 27, 1947, Serial No. 770,815
4 Claims. (Cl. 164—98)



4. A printing press attachment comprising a perforating gripper mounted on the gripper bar of the press, longitudinal slots on said perforating gripper on each side of the blade thereof, and a cooperative perforating element on the platen of the press, said element comprising two juxtaposed lengths of cord aligned with said longitudinal slots and a strip of soft metal superimposed on said cords.

2,481,091
TELEGRAPHIC INSTRUMENT
Lawrence L. Dow, Washington, D. C., assignor to The Dow-Key Company, Winnipeg, Manitoba, Canada
Application December 14, 1948, Serial No. 65,247
1 Claim. (Cl. 178—101)



In a telegraph key, a base, a journal bearing, said journal bearing being provided with a suitable locking device for fixing position at any angle about an axis parallel with the base and said journal bearing being provided with two arms parallel to the base and a flange for securing an additional ring, said ring in combination with the journal bearing, provided with three arms carrying adjustable contacts, adjustable bumper screws, and adjustable tension springs which rotate simultaneously with operating levers and vibrating section on a bearing secured to said base, maintaining contact alignment between contacts by said levers being fulcrumed in said journal bearing, the combination providing semi-automatic operation at any desired angle about said axis parallel to said base.

2,481,092
METHOD OF CONCENTRATION
Clarence L. Dunn, Berkeley, Mott Souders, Jr., Piedmont, and Cornelius Groot, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 26, 1945, Serial No. 611,650
12 Claims. (Cl. 260—302)

1. A process for producing an alkaline-earth metal salt of penicillin from its solution in an organic solvent comprising intimately contacting said organic solvent solution with an aqueous solution of an inorganic alkaline-earth metal base to produce an organic solvent phase and an aqueous phase containing the bulk of the said penicillin as an alkaline-earth metal salt, separating said phase, circulating said aqueous phase through a flash vaporizing zone until a major portion of the water content is evaporated from said aqueous phase, and withdrawing the resulting aqueous concentrate from said circulating system.

2,481,093
LOCK
Louis M. Dyson, New Britain, Conn.; Beatrice N. Dyson, administratrix of said Louis M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application March 1, 1945, Serial No. 580,284
11 Claims. (Cl. 70—369)

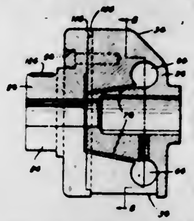


1. A lock comprising a body having a chamber shaped to receive an insert unit, a locking bolt movably mounted within said body, an insert unit fitted for housing in said chamber and comprising a shell, a master sleeve rotatably mounted in said shell and having a retainer projecting to enter a recess in said body, a key plug rotatably mounted in said sleeve and having a key slot to receive a key for rotation of the plug, means engageable with a formation on said key to permit rotation of said sleeve in one direction only, means on said sleeve engageable with a formation on said plug to permit rotation of the plug in one direction only, and an operative connection between said locking bolt and sleeve.

2,481,094
CENTRIFUGAL CHUCK
Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 5, 1945, Serial No. 576,165
2 Claims. (Cl. 279—2)

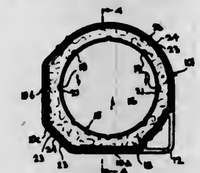
1. A centrifugal chuck comprising a one-piece cylindrical body having portions thereof cut away to form a hub, a resilient outstanding circumferential flange integral with said hub adjacent to one end thereof and having a free unsupported outer peripheral marginal portion, and a series of circumferentially spaced jaw actuating arms integral with said free unsupported outer peripheral marginal portion and extending therefrom substantially the entire length of said hub and hav-

ing free end portions of increased radial thickness lying closely adjacent thereto, whereby said arms are adapted for outward movement relative to said hub under the action of centrifugal force from the axis about which said body revolves, and a series of circumferentially spaced jaws mounted



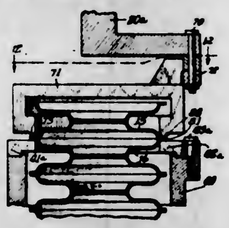
at one end of said body on the portion thereof that is formed by said resilient outstanding circumferential flange and said jaw actuating arms and moves in response to the action of centrifugal force, whereby said jaws are moved into gripping relation to a tool or work in response to such outward movement of said jaw actuating arms.

2,481,095
FIREPROOF CONTAINER
Manuel Essman, New York, N. Y.
Application April 24, 1948, Serial No. 23,112
10 Claims. (Cl. 206—52)



1. A fireproof container for film rolls comprising complementary, interfitting body and cover portions, said body and cover portions each having an inner partition defining a central inner compartment and an outer compartment and fire-retarding material disposed in said outer compartment.

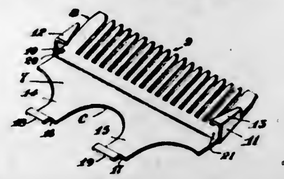
2,481,096
METHOD AND APPARATUS FOR MAKING BELLOWS
David Wendell Fentress, Barrington, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application March 9, 1944, Serial No. 525,640
9 Claims. (Cl. 219—4)



1. The method of making a bellows of the superposed plate type, comprising profiling a pair of metal plates having inner and outer marginal edges to provide a limited area of contact between the plate edges along the length of the inner annular margin of the plates, further limiting the effective electrical contact between the plates along said annular margin to substantially line contact, clamping the engaged inner plate edges between a pair of cooperative electrodes having annular electrode surfaces, and passing welding current between the electrodes while they are in clamping engagement with the inner plate edges whereby to produce an annular resistance weld between said plate edges along the annular margin thereof, repeating the process upon an additional pair of plates, bringing the outer plate edges of adjacent plates in said plate pairs into superposed relation with the edges extending in the same direction, and welding said latter plate edges to provide a bellows structure.

3. An apparatus for making a bellows of the superposed plate type, comprising a pedestal electrode having an annular surface adapted to receive and support a profiled plate along one annular margin thereof, a second electrode adapted for cooperation with the pedestal electrode, said second electrode having an annular surface shaped to engage a second profiled plate adapted to be superimposed upon the first plate whereby companion marginal edges of the plates may be clamped between the electrodes, means for axially shifting at least one of the electrodes whereby to effect the clamping of the plate edges, each of said electrodes being formed of a pair of complementarily hinged portions separable to admit the plates therebetween, and means for passing welding current between the electrodes while they are in clamping engagement with the plates whereby to produce an annular resistance weld between the engaged plate edges along an annular plate margin.

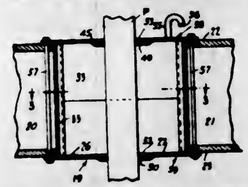
2,481,097
HAIR GUIDING ATTACHMENT FOR HAIR CLIPPERS
Frank Fewins, Los Angeles, Calif., assignor of one-fourth to Daniel J. W. Huntington, Los Angeles, Calif.
Application November 13, 1947, Serial No. 785,594
3 Claims. (Cl. 30—200)



3. A hair guiding attachment for hair clippers having a fixed blade formed with cutting teeth including end teeth, a toothed plate, open ended longitudinally tapered channeled members on the ends of said toothed plate adapted to receive the end teeth of the clipper blade in wedge engagement therewith, a rearwardly extending spring tongue on said toothed plate, and a blade gripping flange on said tongue.

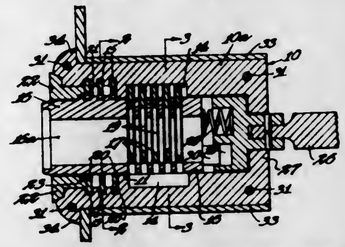
2,481,098
FLOOR BOX OR THE LIKE
Abraham Fishko, Brooklyn, N. Y.
Application February 19, 1944, Serial No. 523,069
3 Claims. (Cl. 126—317)

1. In a building construction, the combination, with an elongated member passing with clearance through an opening in said construction, of a box-like structure substantially filling said opening, said structure having a pair of spaced parallel walls, each of said walls comprising a plurality of contiguous sections spanning a substantial part of said opening and having complementary cutouts which together form a hole through which said member passes so as to be on all sides spaced from the periphery of said hole,



and an insert filling the space of said hole between its periphery and said member, said insert consisting of at least two complementary portions engaging said member, said walls being spaced by a plurality of posts extending substantially parallel to said member, said posts being provided with longitudinal grooves, said structure further having a plurality of side walls each held in the grooves of two of said posts.

2,481,099
COMBINATION LOCK
Jerome L. Forme, Howard Arved Johnson, and Richard E. Jacobsen, Minneapolis, Minn.
Application November 22, 1947, Serial No. 787,602
4 Claims. (Cl. 70—285)

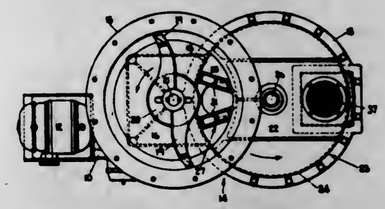


1. A lock adapted to be opened by either key or combination, said lock comprising a lock casing having a cylinder receiving chamber formed therein and having a plurality of transverse grooved tumbler trackways spaced longitudinally of the casing chamber and formed around the inner periphery thereof, a plurality of rotation arresting elements longitudinally separating said trackways, there being circumferentially spaced longitudinally disposed tumbler receiving slots formed within said chamber and extending across said rotation arresting elements, and said casing also having a plurality of disc receiving grooves spaced longitudinally of said casing and formed around the inner periphery thereof in longitudinally spaced relation from said tumbler trackways, a tumbler carrying cylinder rotatably inserted into said chamber in longitudinally displaceable relation thereto and having a longitudinally disposed key receiving passage therein, a plurality of normally projected tumblers retractably mounted in an intermediate portion of said cylinder, a plurality of combination discs journaled on said cylinder and respectively received by said disc receiving grooves, means for normally urging said cylinder outwardly, means at the outer portion of said cylinder for selectively turning said discs, stop means for normally preventing said cylinder from sliding longitudinally relative said discs, and means for bypassing said stop means when said discs are turned to a selected predetermined position, whereby said cylinder may be pressed inwardly to respectively align said tumblers with said trackways and permit said cylinder to be rotated in said casing to open said lock.

2,481,100
ADHESIVE COMPOSITION
Arthur L. Fox, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 6, 1947, Serial No. 784,505
2 Claims. (Cl. 260—8)

1. A concentrated normally-stable aqueous dispersion of a polymeric lower alkyl vinyl ether containing from 3 to 4 carbon atoms in the alkyl group and having an intrinsic viscosity of from 0.5 to 1.0, which is adapted for use in agricultural sprays as a sticking agent, which comprises from 40–45% by weight of said polymeric vinyl ether and a dispersing agent having as its essential ingredient ammonium caseinate, said dispersing agent containing an amount of casein equal to 10–15% of the weight of said polyvinyl ether, an amount of skimmed milk solids equivalent to from 5–10% of the weight of said casein and a preservative for said casein in an amount equivalent to from 5–10% of the weight of said casein, the balance of said composition being water.

2,481,101
FEEDING APPARATUS
Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Company, a corporation of Ohio
Application October 9, 1945, Serial No. 621,304
2 Claims. (Cl. 222—56)



1. Feeding apparatus for fine granular material including a storage receptacle, a substantially horizontal bottom plate for said storage receptacle having a hole therein through which material can drop, means for receiving granular material which drops through the hole in said bottom plate and conveying it horizontally to a discharge position diametrically opposite from the receiving position, said means including a rotary conveyor having a cylindrical housing with substantially horizontal top and bottom plates, the top plate of which is substantially a continuation of the aforementioned storage receptacle bottom plate and is spaced laterally therefrom whereby the aforementioned hole in said storage receptacle bottom plate is also a feed hole in the rotary conveyor top plate, said rotary conveyor also including a rotor mounted on an upright drive shaft, said rotor having radially extending scraper arms adapted to scrape material received from said hole and over the conveyor housing

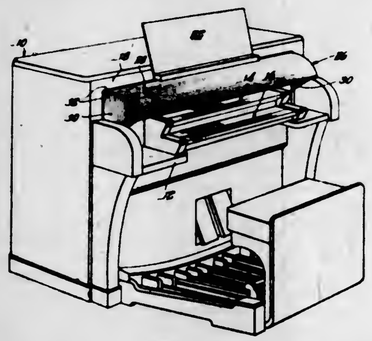
bottom plate to a substantially diametrically positioned discharge hole in said conveyor housing bottom plate, said rotor arms being tapered to provide a decreasing cross-section from the top to the bottom thereby to aid the discharge of material, and a small capacity storage hopper located directly below said discharge hole and having all of its walls substantially vertical to provide a minimum resistance to flow of granular material thereover.

2,481,102
GARMENT BAG
Bernard J. Frost, Chicago, Ill.
Application July 11, 1946, Serial No. 682,830
1 Claim. (Cl. 206—7)



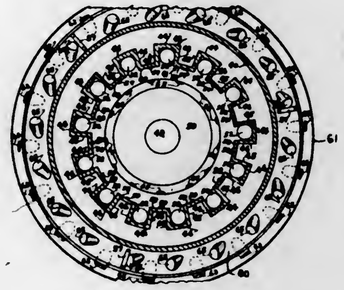
In a garment bag of the type having a side opening extending into the top of the bag for throw-back opening, a frame consisting of opposite parallel arched arms joined by a cross-bar at one end and having a cross-bar with hanger means thereon interconnecting said arched arms near their respective mid-points, said arched arms each having a free end portion opposite the free end portion of the other, said frame fitting into the top portion of said garment bag with one of each of said free ends fitting into a corner juncture between said top and side of the bag on each side of the said opening, whereby the portions of said bag adjoining said opening may be thrown back to facilitate access into the bag.

2,481,103
KEYBOARD COVER
Paul M. Fuller, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application November 29, 1946, Serial No. 712,928
11 Claims. (Cl. 84—179)



1. In a musical instrument including a keyboard and a vertical panel disposed rearwardly of said keyboard, said vertical panel having a horizontally extending slot therein spaced above said keyboard, a shiftable keyboard cover comprising a unitary rigid panel extending lengthwise of the keyboard, and supporting means for said cover, said supporting means guiding said cover panel upon shifting thereof with a compound pivotal and lateral motion through the slot in said vertical panel.

2,481,104
LIQUID FUEL BURNER OF THE POT TYPE
Percy Gainey, Linden, N. C.
Application May 25, 1945, Serial No. 595,779
2 Claims. (Cl. 158—91)

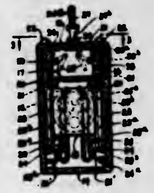


1. An oil burner comprising inner and outer annular walls joined together at their lower portions and diverging away from each other as they progress upwardly, thus forming an annular oil cup, the inner wall defining a central opening, the inner wall being in the form of a series of substantially vertically disposed inner segments spaced from each other and extending entirely around the burner and a second series of substantially vertically disposed outer segments spaced from each other and being radially offset from the first series of segments, a plurality of radially and vertically disposed walls joining the side edges of the outer segments to the side edges of the inner segments, a top cast integral with the upper ends of the two sides of segments and the top edges of the radially and vertically disposed walls, thus closing the upper ends of alternate spaces between the radially and vertically disposed walls, said top having integral therewith an upwardly extending and centrally disposed truncated conical portion or flue open at its upper end, the said closed top having holes in those portions which close the space between the upper ends of alternate sets of radially and vertically disposed walls to allow air to pass upwardly therethrough, the base portion of the truncated conical portion having upwardly extending and radially directed openings therethrough to allow air to pass outwardly above the oil cup, each of the inner segments having a hole therethrough near its upper end to allow air to pass into the upper portion of the oil cup, the outer annular wall being substantially of the same height as the inner annular wall, an annular burner barrel being of cast material and having substantially thick walls, said barrel having a restricted base portion whose inner edge is adapted to rest on the upper edge of the outer annular wall of the oil cup, said barrel having a plurality of radially directed and circumferentially disposed holes at its junction point with its restricted base portion, and said base portion having a plurality of upwardly extending and tangentially directed openings therein.

2,481,105
SULFA-DRUGS AND METHODS FOR THEIR PRODUCTION
Paul Goedrich, Newark, N. J.; Louise Marie Goedrich executrix of said Paul Goedrich, deceased
No Drawing. Application August 31, 1943, Serial No. 500,686
7 Claims. (Cl. 260—239.6)

1. The process of producing new iodine addition compounds of a member of the group consisting of sulfanilamide, 2-sulfanilylamido-pyridine, 2-sulfanilylamido-pyrimidine, and 2-sulfanilylamido-thiazole, which comprises the steps of intimately mixing crystalline iodine with such a member, heating the mixture until substantially no further fumes of iodine are emitted from the heated mixture, then digesting the thermal reaction product in strong alcohol, separating the alcoholic solution thus obtained from any undissolved residue by filtration, and evaporating the filtrate to dryness.

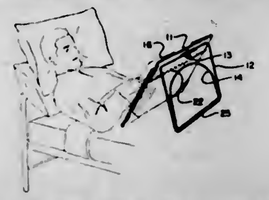
2,481,106
RETRACTABLE HANDLE FOR MOTION-PICTURE PROJECTOR CARRIERS
Max Gold, New York, N. Y.
Substituted for application Serial No. 448,404, June 25, 1942. This application March 11, 1947, Serial No. 733,802
7 Claims. (Cl. 224—45)



1. In a carrier for a motion picture projector having a housing formed with a top wall upon which the projector is rested when in use, the top wall being formed with longitudinally spaced pairs of openings, the top ends of each pair of openings being connected by grooves in the top face of the top wall, inverted U-shaped brackets having the free ends of their side arms slidably extended through said openings with their transverse arms in alignment with said grooves, a handle having its ends releasably connected to the transverse arms of said U-shaped brackets, and means on the bottom ends of the side arms of said U-shaped brackets for engaging the bottom face of the top wall to prevent the withdrawal of said side arms from said openings when the housing is being carried about by the handle, whereby when the projector is to be rested on the top wall, said handle may be disconnected from said brackets leaving the brackets free to slide downward in the openings with the transverse arms engaging in said grooves leaving the top wall unobstructed to have the projector rested thereon.

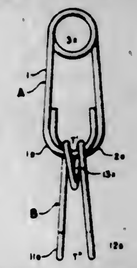
2,481,107
COMBINED REST, MAGAZINE SUPPORT, AND BOOKHOLDER
Albert J. Gore, Washington, D. C., assignor of forty-five per cent to Frances Gore Haynes
Application March 4, 1946, Serial No. 651,778
12 Claims. (Cl. 45—80)

1. A portable rest comprising a holder of light weight sheet material having its side edges folded inwards upon themselves over the edge portions of the holder, a bottom edge portion folded upwards and overlying the lower edges of the side edge portions, the ends of said bottom edge portions being extended and folded around the adjacent side edges and attached to said holder on the rear face, an open frame member pivotally clamped to said holder near its upper edge to



swing at an angle thereto, said frame member being adapted to serve both as a prop and as a suspension means for supporting said holder in working position, and a semi-flexible bail pivotally secured to said frame member at its edge remote from said holder, said bail being of such size and shape as to embrace the neck of a user and support said frame member at a convenient height with respect to the user.

2,481,108
BENT WIRE PUZZLE
Albert J. Gore, Washington, D. C., assignor of forty-five per cent to Philip Larner Gore
Application March 18, 1946, Serial No. 655,196
5 Claims. (Cl. 273—158)



1. A puzzle comprising a pair of link members having loops at both ends each of which consists of a single piece of wire, the two pieces of wire being stiff enough to resist bending, one of said members having a spiral portion and two side portions forming extensions of the spiral portion, said side portions being looped and united at their ends, the other of said members having a spiral portion and two side portions forming extensions of said last mentioned spiral portion, and symmetrical arcuate extensions from said last mentioned side portions, respectively, forming loops disposed in the planes of the last mentioned side portions so as to provide a throat between them.

2,481,109
GAME COMBINING JIGSAW PUZZLE AND QUIZ
Milton C. Grace, New Orleans, La.
Application October 29, 1946, Serial No. 706,462
4 Claims. (Cl. 35—9)

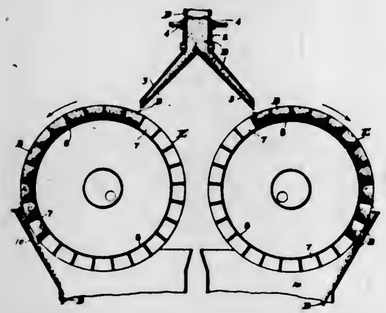
1. Game comprising a game board and a plurality of game pieces designed to be aggregately

arranged on said game board in a predetermined pattern, said game board having on its face distributively arranged indicia designating areas upon which respective game pieces belong but unrelated directly to any indicia embodied in the game pieces, each of said pieces bearing a different index unrelated to the indicia on the game board, means providing a list of items, each item



comprising an index directly related to corresponding indicia on the game board and an index directly related to an index on the game piece, whereby a player determines where to place a game piece on the game board by matching the index on said piece with the directly related index of said item, thereby discovering in said item the index which relates directly to a corresponding index on said game board.

2,481,110
DEWATERING PROCESS
John E. Greenawalt, Bronxville, N. Y., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application July 31, 1945, Serial No. 607,935
5 Claims. (Cl. 34—14)



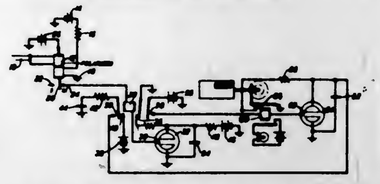
1. The process of vacuum filtering crushed ore materials crushed to varying degrees of fineness in the presence of water to form a fluid pulp in which the ore particles will pass a 20 mesh screen and the water content exceeds 60%, which consists in the step of removing water from said fluid pulp in a concentrating plant to form a non-fluid pulp, namely, one containing less than 15% water, followed by the step of mechanically conveying (as distinguished from hydraulically conveying) said non-fluid pulp in a continuous stream to a rotary vacuum filter and then subjecting the non-fluid pulp to a vacuum filtering treatment to remove remaining water content by directing a single stream of the non-fluid pulp upon the surface of the filtering medium of the rotary vacuum filter and bodily moving said stream to distribute the non-fluid pulp uniformly over the entire width of the surface of the filter medium and applying a vacuum to the non-fluid pulp until its water content is reduced to below 6% thereby to form a de-watered crushed ore filter cake.

2,481,111
SEALED CONTAINER AND CAP
Hugh T. Griswold, Burlingame, Calif., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application September 5, 1946, Serial No. 694,926
8 Claims. (Cl. 215—40)



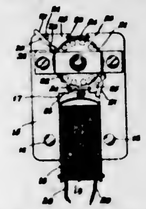
2. An open-mouthed container having a substantially flat top sealing surface, a vertically disposed side sealing surface and a curved corner sealing surface uniting said top and side surfaces and merging thereinto, a sheet metal cap having a flat top, a depending circumferential skirt and a curved shoulder portion uniting said top and skirt, said cap overlying the container and spaced therefrom, an annular gasket of sealing material within the cap and extending over said top, corner and side sealing surfaces of the container, said container having a downwardly and inwardly tapered circumferential surface below said side sealing surface and forming a holding surface for the cap, the cap being extended inwardly below the side sealing surface into engagement with said holding surface, said cap being seamed inwardly above said side sealing surface, thereby forming an inwardly protruding circumferential seam surrounding the container above the side sealing surface, said seam being below the major portion of the said corner sealing surface, the sealing material below said seam and covering the side sealing surface being under greater compression than the sealing material above said seam.

2,481,112
TELETYPEWRITER PERMUTATION CODE SIGNAL COMBINATION COUNTER
Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 13, 1946, Serial No. 696,793
4 Claims. (Cl. 235—92)



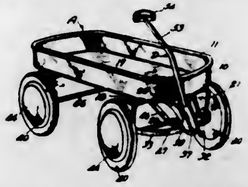
1. A multiple counter for indicating a summation of a multiple number of happenings of an event, each of said happenings consisting of a plurality of discrete sub-events, said counter comprising an electronic device, a time control for said device, means for inaugurating the functioning of said time control in response to the occurrence of the first of said sub-events of an individual happening of said event, means for terminating the functioning of said control after the elapse of a measured interval and in response to the occurrence of the last of said sub-events of said individual happening, means for ionizing said electronic device in response to said terminating of said functioning, means for accumulating an increment of electrical energy during said happening, means for transferring said increment once for each of said happenings, and means for operating an indicator in response to an integral number, more than one, of said transfers.

2,481,113
SHADING COIL
James B. Hardie, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application February 13, 1947, Serial No. 728,359
7 Claims. (Cl. 172—278)



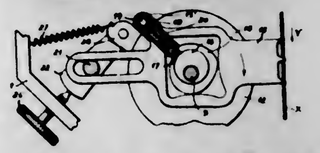
7. As an article of manufacture, a shading coil for use in a magnetic device provided with a pole piece having a slot in one side thereof, said slot being provided with a restricted entrance opening, said shading coil comprising a pre-formed, one-piece closed rectangular ring the upper portion of which has a reduced portion near one end adapted to be inserted longitudinally through the restricted entrance opening, the adjacent side portion of the coil being adapted to be rotatably mounted in and to substantially fill the slot, the other side portion of the coil being adapted to be located across the other side of the pole piece, and the upper and lower portions of the coil being adapted to be located across the upper and lower sides respectively of the pole pieces.

2,481,114
TOY WAGON
William L. Hayhurst, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application September 13, 1946, Serial No. 696,732
3 Claims. (Cl. 280—87.01)



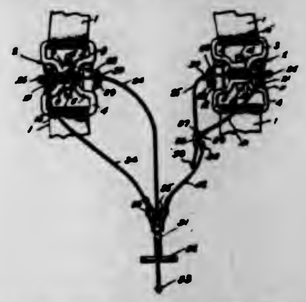
1. In a toy wagon the improvements which comprise the combination of an imperforate body and a chassis comprising a kingbolt-supporting member welded to the bottom of said body and a front-axle-supporting bolster rotatably bolted thereto, rear-axle-bolster supports welded to the bottom of said body and a rear axle bolster bolted thereto, a front-axle-brace-securing member welded to the bottom of said body, a front axle brace bolted to said member, front and rear axles supported by said bolsters, said axle brace being secured at its lowermost end to the front axle, wheels rotatably mounted on said axles, handle-securing means attached to said front axle-supporting bolster, and a handle secured to said means.

2,481,115
INTERMITTENT CLAW TYPE FILM DRIVING DEVICE
Antoine Heurtier, Saint-Etienne, France
Application June 5, 1947, Serial No. 753,767
In France July 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 18, 1964
7 Claims. (Cl. 88—18.4)



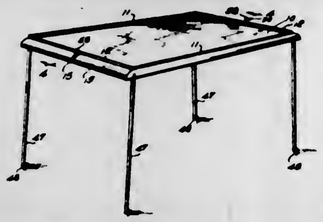
1. A film feeding device for cinematographic apparatus and the like, comprising an oscillatable member having claws to engage successive film perforations and said member being formed with a first opening having two sides at an angle to each other and with a second opening disposed at the end opposite from said claws with respect to said first opening, said second opening being of elongated form with its longitudinal axis substantially directed towards said claws; a cam adapted for rotation in said first opening; a rotatable shaft to carry said cam; means to rotate said shaft; a circular disc eccentrically carried by said shaft adjacent the cam; means elastically carried by said member and adapted to press on said disc to maintain said cam in permanent contact with the said sides of said first opening to substantially oscillate said member in succession in a direction parallel to the portion of film engaged by said claws and in a direction perpendicular to said portion; and a fixed finger slidably engaged in said second opening to form a guide for said member.

2,481,116
PARACHUTE CANOPY RELEASE DEVICE
James W. Herning, Bloomsburg, Pa.
Application January 23, 1947, Serial No. 723,871
10 Claims. (Cl. 244—151)



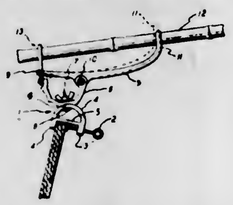
1. In a parachute harness, lift webs having front and rear sections, quick release devices interposed between the front and rear sections of the lift webs and each having separable upper and lower rings carried by the said sections of the lift webs and formed at inner ends with aligned openings, a fastener passing vertically through the aligned openings of the companion upper and lower rings and rotatably mounted for movement from a securing position to a releasing position, and means operatable by a person wearing the parachute harness for turning the pins to the releasing position.

2,481,117
TRAY-TABLE
Walter E. Jogwick, Parkersburg, and Eli H. McLaughlin, Vienna, W. Va.
Application August 19, 1946, Serial No. 691,490
9 Claims. (Cl. 311—85)



5. A tray-table comprising a tray body, a leg structure connected to said body for swinging movement on a horizontal axis, said structure having legs movable during such movement between normal inoperative positions horizontally beneath and parallel to said body and operative positions projecting downwardly to support said body, latch means carried by said body and having a portion movable to a locking position engaging a portion of said leg structure for holding said legs in said operative positions, said latch means being biased to said locking position, and a single lever carried by and mounted for turning movement relative to said leg structure for moving said legs from either of said positions to the other of said positions, said lever having a portion engageable with said latch means to release it, said leg structure having a surface concentric with said horizontal axis and over which said portion of said latch means slides during movement of said legs between said operative and inoperative positions.

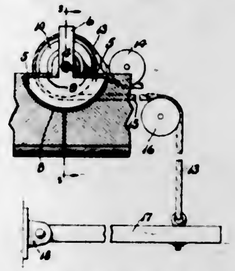
2,481,118
FISHING ROD HOLDER
Vernon N. Johns, Fort Worth, Tex.
Application July 30, 1947, Serial No. 764,665
5 Claims. (Cl. 248—42)



1. A fishing rod holder comprised of a supporting assembly, a lever pivotally secured to the said supporting assembly, rod supporting means at one end of the said lever, a pair of pivoted jaws secured to the said supporting assembly, and slots in the shanks of the said jaws angularly disposed with respect to each other for slidably engaging the end of the said rod opposite the said rod supporting means.

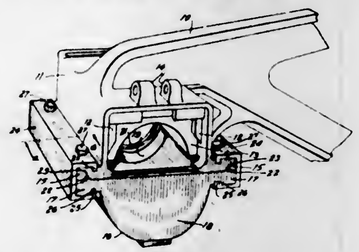
2,481,119
LID LIFTER
Wesley P. Jordan, Cedar Springs, Mich.
Application May 22, 1948, Serial No. 28,676
8 Claims. (Cl. 160—193)

8. A cabinet having an open upper end, two lids adapted to be located in the same horizontal plane to close the upper open end of the cabinet, means for hingedly connecting said lids at their adjacent edges, a rotatable lid lifter mounted on the cabinet at one side thereof, connections between said lid lifter and the lids for lifting one lid on rotation of the rotatable member in one



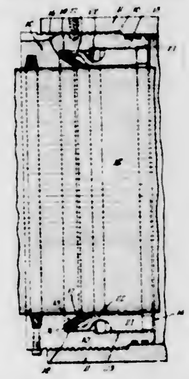
direction and lifting the other lid on rotatable movement in the opposite direction, two independent foot operated means for rotating said lid lifter in opposite directions, and means for closing a lid which has been lifted and opened by foot operation of the lever opposite from that operated in lifting the lid.

2,481,120
RAILWAY JOURNAL BOX
Harry N. Juel, John A. Schroeder, and Francis B. Lewis, Denver, Colo.
Application December 10, 1946, Serial No. 715,320
3 Claims. (Cl. 308—38)



3. A railway journal box comprising: an inverted U-shaped upper half box having an open bottom and enclosing the upper half of a journal; a bearing member supporting said half box from said journal; means for securing the upper half box to a railway truck; upper flanges extending horizontally along the lower edges of the front and rear faces of said upper half box; a semi-cylindrical pan closing the open bottom of said half box; lower flanges extending along the upper edges of the front and rear faces of said pan; a U-shaped end closing the inner extremity of said pan to the journal; longitudinally extending tongues projecting upward from said lower flanges into longitudinally extending grooves in said upper flanges; longitudinally extending channel members; flanged edges on said channel members engaging longitudinally extending grooves in said flanges for locking the upper flanges to the lower flanges; and clamping bolts extending through the upper and lower sides of said channel members and through the interposed flanges to clamp the entire assembly together.

2,481,121
PRESSURE SEAL
Walter Kasten, Franklin, Mich., assignor to Benniks Company, Detroit, Mich., a copartnership composed of Ralph L. Skinner, Caroline T. Skinner, Ralph L. Skinner, Jr., and Robert T. Skinner
Application March 29, 1946, Serial No. 658,995
2 Claims. (Cl. 286—26)

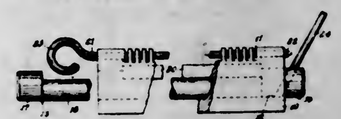


1. In a pressure-sealing means for use between a pair of relatively reciprocatory cylindrical members, one of said members having an annular shoulder with one surface portion thereof sloping toward the cylindrical surface of the other member at an acute angle thereto, and an adjacent annular surface portion thereof at a greater angle to the axis of said member, a plurality of thin, circular, nested, resilient reeds of a shape conforming to and bearing on said shoulder and reed pressing means pressing said reeds against said shoulder to hold them in place to act edgewise on the other member, the novel feature that said pressing-means includes an annular spring portion curved longitudinally of the pressing means and engaging and acting as a holding spring on said reeds against said other portion of said shoulder, said annular pressing means having screw-threaded engagement with said shouldered member whereby its spring pressing action on the reeds is adjustable.

2,481,122
PROCESS OF PREPARING DEHYDRATED MASHED POTATOES
Charles W. Kaufman, Tenafly, Hovey M. Burgess, Dumont, and Frank Hollis, Jr., Weehawken, N. J., assignors to General Foods Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 15, 1945, Serial No. 628,972
2 Claims. (Cl. 99—207)

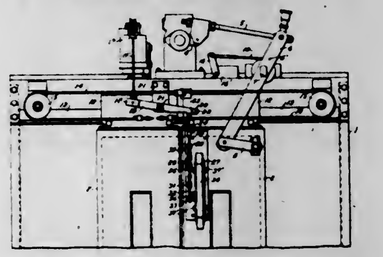
1. A process of preparing dehydrated mashed potatoes which comprises cooking the potatoes and draining off any free liquid, whipping the cooked potatoes in the absence of free liquid to thoroughly dissociate and intimately mix the cellular material and form an aerated mash consisting of potato substance having mealy uniform texture with the potato starch and protein homogeneously distributed throughout, forming the mash into filaments, and drying said filaments by circulating air at a temperature within the approximate limits of 180° F. and 280° F. therethrough at a rate of the order of 150–300 linear feet per minute, thereby setting the filaments substantially in their predried size and producing tubular porous dried shreds.

2,481,123
MAGAZINE FOR WIRE HOOK BELT LACERS
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application October 10, 1946, Serial No. 702,564
3 Claims. (Cl. 1—49.4)



1. A magazine for positioning belt hooks preparatory to insertion in a belt, comprising a block portion having in one surface inwardly extending and transversely disposed, mutually adjacent grooves adapted to receive a plurality of said belt hooks in spaced relationship, said block having a slot extending longitudinally therethrough, intersecting said transversely disposed grooves and extending below the respective bottoms thereof, an elongated pin member adapted to be positioned within said slot and to extend transversely of said grooves whereby to be embraced by the loop portions of said belt hooks, a cam member mounted for angular motion within said body, and a bar element displaceably mounted within the slot of length sufficient to span all of said grooves and adapted to be operatively engaged by said cam member and laterally forced thereby into nonrubbing contact with respective bottoms of said loops to clamp the same individually into lateral engagement with said pin member.

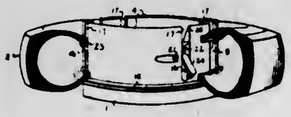
2,481,124
DOOR-OPERATING MECHANISM FOR LIFT DOORS AND THE LIKE
Seraphim Kruger, Northampton, England, assignor to The Express Lift Company Limited, London, England, a British company
Application September 8, 1945, Serial No. 615,202
In Great Britain September 13, 1944
5 Claims. (Cl. 187—52)



4. In a lift system, a lift car for serving a plurality of landing levels, a door for the car, means mounting the car door for movement relative to the car between an open position and a closed position, a landing door, means mounting the landing door at a landing level for movement from an open position to a closed position, releasable coupling mechanism for coupling the landing door to the car door for movement therewith, said coupling mechanism comprising a cou-

pling element associated with the landing door, a coupling member for engaging the coupling element and means mounting the coupling member on said car for movement from a retracted position to an extended position engaging the coupling element when the car door is adjacent said landing door, a lever pivotally mounted on the landing door, said lever having an actuating part in the path of the coupling member when the coupling member is in extended position, and locking means responsive to movement of the lever for locking the landing door in closed position.

2,481,125
TIRE CARRIER FOR BALANCING MACHINES
Joseph P. Lannen, Detroit, Mich., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich., a partnership
Application June 2, 1948, Serial No. 30,609
15 Claims. (Cl. 73—66)



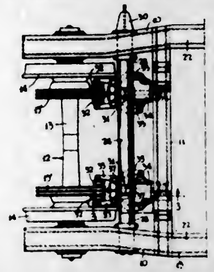
9. A tire carrier for a balancing machine comprising an annulus proportioned to be embraced by a tire and having its axis substantially vertical, a support on said annulus for the upper bead of a tire applied to the carrier, such support being retractible into the annulus, means biasing said support toward its retracted position, and means actuable by the lower bead of said tire for projecting said support.

2,481,126
APPARATUS FOR AUTOMATICALLY CONTROLLING TRAFFIC
Claude V. Laws, Rosemead, Calif.
Application July 1, 1946, Serial No. 680,607
3 Claims. (Cl. 318—85)



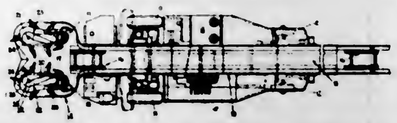
3. In a traffic control system of the type including a central motor and a motor at each signal, an apparatus for synchronizing the signal motors with a central motor, which comprises cam-actuated means driven by said signal motor, and including a circuit breaker normally closed, but opened once in each revolution of said signal motor, and the second circuit breaker normally opened, but closed once during each revolution of said signal motor simultaneously with opening the said first-mentioned circuit breaker, a main driving circuit for said signal motor which includes said normally closed circuit breaker, a normally open circuit breaker driven by the central motor and adapted to be closed once during each revolution of the central motor, and a supplemental driving circuit for said signal motor including said latter last-mentioned circuit breaker and the normally open circuit breaker actuated by the signal motor.

2,481,127
BRAKE ARRANGEMENT
Joseph Ledwinka, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 17, 1943, Serial No. 502,721. Divided and this application September 4, 1946, Serial No. 694,796
2 Claims. (Cl. 188—59)



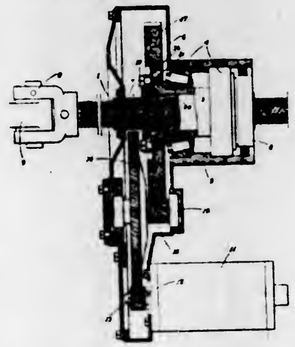
1. In a brake arrangement, a wheel and axle assembly, a vehicle frame comprising longitudinally extending side members supported from the respective ends of said assembly, a brake rotor carried by said assembly, a transversely extending brake support carried wholly through cushioned joint structures on said side members, a brake unit carried by said support and including a bracket removably clamped to said support, a brake lever pivoted intermediate its ends to said bracket, a brake stator carried by one end of said lever in cooperative relation to said rotor, and an actuating cylinder connected with the other end of said lever, said bracket having a substantially vertical extension, the free end of which is connected to transmit braking torque to said frame in a direction lengthwise thereof.

2,481,128
LOADING MACHINE
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 15, 1946, Serial No. 654,622
1 Claim. (Cl. 198—8)



A gathering head for a loading machine including a conveyer, a plate adjacent one end of said conveyer over which material being gathered is scraped onto said conveyer, a pair of orbitally traveling longitudinally extending endless chain and flight gathering conveyers including guide bars carried above said plate spaced symmetrically about a horizontal axis running through said conveyer, the endless chain and flight gathering conveyers co-operating with said plate to form a trough through which said endless chain and flight conveyers scrape material being gathered onto said conveyer, a pair of similar reversely constructed material guiding plows carried above said endless chain and flight conveyers for directing material being gathered into said trough, each of said plows including a flat bottom plate adapted to be mounted rigidly upon the top of one of said endless chain and flight conveyer guide bars, and continuous wall means the front edge of which lies substantially horizontal and adjacent said bottom plate and the rearward portion of which converges rearwardly from said front edge to form an inwardly sloping wall whereby said plows co-operate to form a rearwardly converging trough for directing loose material above said endless chain and flight guide bars into said trough as the gathering head enters loose material being gathered.

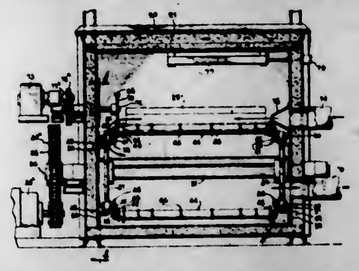
2,481,129
SCREW AND NUT ACTUATOR
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application November 16, 1944, Serial No. 563,751
4 Claims. (Cl. 74—424.8)



1. An actuator comprising a cylindrical housing, a pair of spaced apart bearings mounted in the housing, a gear case mounted at one end of the housing and in open communication with said housing, a gear disposed in the gear case, an elongated hub on the gear, such hub projecting into the housing and being supported in said bearings, a bushing separate from the hub but projecting into the latter, means detachably securing the bushing immovable relative to the hub, a screw threaded through the bushing, a motor fixed to the gear case, and means connecting the motor in driving relation with the gear.

2,481,130
DRIER FOR THERMAL PIPE INSULATION
Ralph L. Lindemuth, Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio
Application May 5, 1945, Serial No. 592,228
1 Claim. (Cl. 34—105)

In an apparatus of the class described, a frame of a boxlike character having walls resisting the flow of heat through them, an endless dual chain conveyor having a plurality of pairs of roller mountings thereon arranged in transverse alignment, said conveyor being operatively mounted longitudinally within said frame, means for driving said conveyor operatively connected thereto, a multiplicity of rolls freely rotatably supported in said conveyor mountings, each mounting having a plurality of roll supporting sockets whereby the spacing of the rolls, one from another, may be selectively varied by positioning the rolls in different mounting sockets, sprocket driving means for said rolls carried by each roll, a chain engaging a multiplicity of said sprocket driving means simultaneously, a driving means for said chain whereby said rolls may be rotated through said sprocket driving means when said chain conveyor is in operation, air ingress and egress ducts spaced at longitudinal intervals in said frame at a level slightly higher than the



highest point reached by said conveyor rolls, said ingress and egress ducts extending into said frame on both sides thereof in relation to each other and to those in the opposite side, and receiving and delivery means at respective ends of the apparatus for objects to be dried within the apparatus.

2,481,131
VIBRATING APPARATUS
James Robert Lindsay, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Company, a corporation of Ohio
Application November 1, 1941, Serial No. 417,569
3 Claims. (Cl. 198—220)

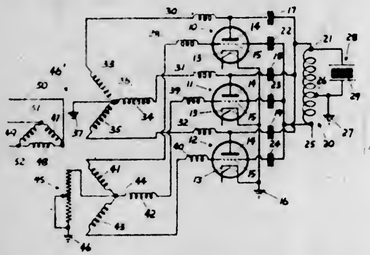


1. Vibratory apparatus comprising a deck adapted to support and act on material when vibrated, a motor for vibrating said deck including a pair of spring means both of which are connected to a clamp, means fixing said clamp to a base, a field structure, said deck and said field structure being connected to one of said spring means at a position to vibrate relative to said clamp, and a vibratory electromagnetic motor armature connected to the other spring means at a position to vibrate relative to said clamp, the spring means and associated masses being so related that the clamp is substantially devoid of vibration when said apparatus is operating.

2,481,132
FREQUENCY CONVERTER
Marcel A. Lissman, Cambridge, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 25, 1946, Serial No. 664,775
3 Claims. (Cl. 250—36)

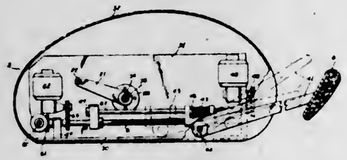
2. An aperiodic frequency converter comprising: a plurality of oscillatory circuits having a single frequency-determining network in common, said frequency-determining network being resonant to the frequency desired of the output of said converter; each of said oscillatory circuits including an electron-discharge device having a cathode, an anode, and a control electrode; means,

coupled to a multiphase power supply of a frequency different than that desired of the output of said converter, for successively applying alternating voltages to the anode-cathode circuits of said electron-discharge devices; means, independent of said last-named means and also coupled to said power supply, for successively applying alternating voltages to the control electrode circuits of said electron-discharge devices; the voltages so applied to said electron-discharge



devices rendering the same successively conducting; and means, connected in parallel with the control electrode circuits of all of said electron-discharge devices, and in series with said last-named means, and the control electrodes of said electron-discharge devices whereby as each electron-discharge device becomes, in turn, conducting and control electrode rectification of a portion of its space current occurs, a biasing voltage is developed such as to maintain the remaining electron-discharge devices non-conducting.

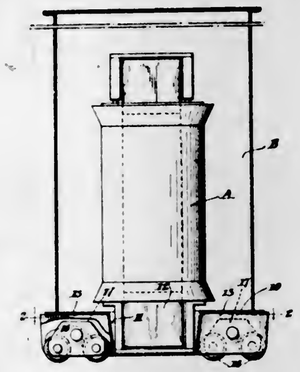
2,481,133
CHAIR
Frank J. Luketa, Seattle, Wash.
Application October 1, 1945, Serial No. 619,651
9 Claims. (Cl. 155—171)



1. In a chair, in combination with a fixed support, a transverse shaft guided in said support for traverse through a plurality of parallel positions, a leg rest supported from and generally parallel to said shaft, and traversable therewith, and means carried by said fixed support, operatively connected to said shaft in all positions of the latter, to oscillate said shaft for varying the elevation of the leg rest.

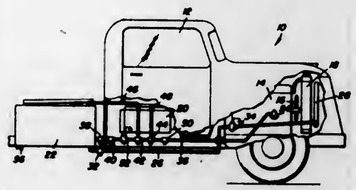
2,481,134
TRANSFORMER TANK
Montville Burgess Mallett, St. Catharines, Ontario, Canada, assignor to English Electric Company of Canada Limited, St. Catharines, Ontario, Canada
Application July 8, 1944, Serial No. 544,625
2 Claims. (Cl. 105—180)

1. In a transformer, the combination of a tank having a bottom wall, said bottom wall having a central depression therein providing a well and defining exterior recesses along opposite sides of the well, wheel trucks mounted in said



recesses and extending slightly below said central depression, and a transformer core within said tank and having its lower end projecting into said well.

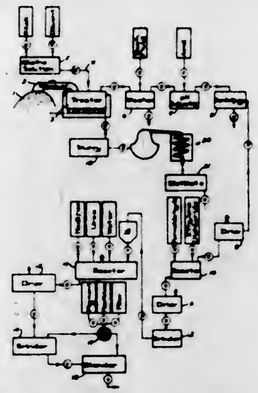
2,481,135
VEHICLE COOLING SYSTEM
Sterling E. Maness, Jr., Wheaton, and Sterling E. Maness, Sr., Rocky Comfort, Mo.
Application February 19, 1948, Serial No. 9,556
12 Claims. (Cl. 123—174)



1. In an emergency cooling system for a motor vehicle having an engine and a main cooling system therefor, a main fuel tank, an auxiliary fuel tank, a carburetor on said engine and conduit means connecting said main and auxiliary tanks to said carburetor, said emergency system comprising; spray means associated with a part of said main cooling system for discharge of a cooling medium thereon, a conduit connecting said auxiliary tank and spray means, and operating means in said conduit and said conduit means to effect flow thereby.

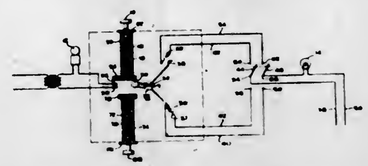
2,481,136
THERMOSETTING SYNTHETIC MOLDING COMPOSITION AND PROCESS FOR ITS MANUFACTURE
Hamilton L. J. Marshall, Mobile, Ala., assignor to Paterson Plastics Co., Mobile, Ala.
Application July 24, 1947, Serial No. 763,241
6 Claims. (Cl. 260—17.3)

1. The steps in the process for the production of a thermosetting synthetic plastic, which comprise contacting substantially chemically-neutral, oil-free, disintegrated wood with formaldehyde



and ethylene dichloride, and subsequently contacting the formaldehyde-ethylene dichloride-treated material with a solution of urea.

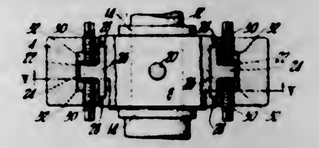
2,481,137
MECHANISM FOR TURNING ON A PORCH LIGHT WHEN A DOORBELL IS RUNG
James E. McNiel, Alhambra, Calif.
Application December 8, 1948, Serial No. 64,166
4 Claims. (Cl. 315—76)



1. An electric light and bell system comprising a shaft rotatable from a first position to a second position, an arm secured to said shaft, a first push button and a first striker positioned to engage said arm and rotate said shaft from said first position to said second position when said first push button is pressed, a second push button and a second striker positioned to engage said arm and rotate said shaft from said second position to said first position when said second push button is pressed, a bell, a bell circuit, a normally open switch in said bell circuit positioned to be actuated by said first striker to close said bell circuit while said first push button is depressed, a lamp, a lamp circuit and a switch contact secured to said shaft and positioned to close said lamp circuit when said shaft is in said second position.
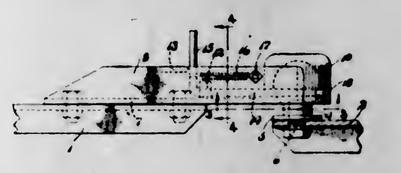
2,481,138
ADJUSTABLE ROLL MOUNTING
David L. Mercer, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 21, 1945, Serial No. 611,879
3 Claims. (Cl. 80—55)

1. A roll shaft mounting comprising a housing providing spaced uprights forming a vertical opening, a slot in the opening side of each of said uprights, a pair of elongated vertical guide devices each having a flange extending into the slot of an upright, means for adjusting said flange laterally of said slot and securing said guide device in adjusted position, a roll shaft extending into said opening, a chock on said roll shaft disposed in the



opening between said pair of guide devices, and a slidable connection between said chock and each of said guide devices, whereby said means may laterally adjust and secure said guides and said connection may enable vertical sliding adjustment of said chocks along the length of said guides without disturbing said lateral adjustment.

2,481,139
TRAILER HITCH
Paul T. Miller, Byron, Mich.
Application March 31, 1947, Serial No. 738,293
2 Claims. (Cl. 280—33.17)



2. In a structure of the class described, a hitch member including a support of channel form having a base web and side flanges extending at right angles therefrom, a cylindrical socket member at one end of said base and located between the ends of said flanges permanently secured to said base and flanges, said socket member having a cylindrical recess therein open at one end, a latching rod located in substantial parallelism to one of said flanges adjacent said base web and inside said flange, said socket member having a passage through it adjacent its open end and at a side thereof and at a side of the recess therein, through which said latching rod is adapted to pass, yielding means for normally moving said latching rod through the passage in the socket, the rod extending partly into said opening in the socket member when it is passed therethrough, a second hitch member, including a ball-like head adapted to be inserted in the opening in said socket member and having means extending therefrom for connection to a support, said latching rod being withdrawn when the head is inserted and released after such insertion to lock the head in the socket member, the position of said rod adjacent the open end of the socket member being outwardly of the diameter of said head which generally parallels the open end of the socket member, means on the latching rod for manually withdrawing it against said spring means, and means for holding the rod in said last mentioned position.

2,481,140
PROCESS AND PRODUCTS OF SULFURIZATION OF LINEAR METHYLPENTADIENE POLYMERS
Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 16, 1946, Serial No. 697,376
8 Claims. (Cl. 260—139)

1. A sulfurized low molecular weight linear polymer of 2-methyl-1,3-pentadiene and 4-methyl-1,3-pentadiene.

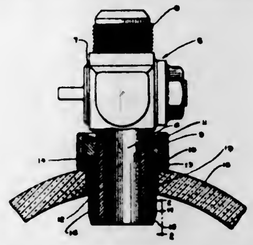
2,481,141
ELECTRICAL SWITCH
David Morrison, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application November 20, 1948, Serial No. 61,205
7 Claims. (Cl. 200—73)



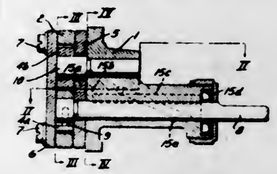
1. In combination, a normally closed switch having two spring blades extending in the same general direction and each anchored at one end and free at the other end, the free end of one blade projecting outwardly beyond the free end of the second blade, an actuating dog so placed that the second blade lies between the same and the first blade; said dog having three positions, namely an idle position, a position in which it engages the second blade and presses both blades laterally, and a third position wherein it is clear of the second blade and serves as a stop for the projecting end of the first blade; a swinging arm, a pivotal connection between one end of the dog and said arm, a spring tending constantly to keep the dog in the idle position when the dog is moved by the arm, and a stationary stop in position to be engaged by said dog and cause it to swing into its second and third positions when the arm is swung in one direction.

2,481,142
CORPORATION STOP
Lucien W. Mueller, Walter J. Bowan, and Wallace E. Gould, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 13, 1945, Serial No. 588,696
1 Claim. (Cl. 285—165)

A coupling for connection to an element comprising an elongated body having a longitudinal flow passage, one end of said body being in the form of an externally threaded, tubular neck portion, an annular abutment threaded on said neck portion back from the outer end thereof, a rubber sleeve freely embracing said neck portion outwardly of said abutment and having an annular flange adjacent said abutment, and a nut threaded on said neck portion, the top of said nut being fixed to the outer edge of said rubber sleeve, whereby the rotation of said neck in said nut draws the nut toward the abutment for distorting the rubber sleeve in overlapping engagement with said element.



2,481,143
GEAR PUMP
Géza Walter Müller, Bron, France, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux (Department of Rhone), France, a society of France
Application March 8, 1946, Serial No. 652,896
In France April 5, 1945
2 Claims. (Cl. 103—126)



1. A gear pump which comprises, in combination, at least two gears, a pump body provided with a bore adapted to act as shaft bearing, and a shaft journalled in overhung fashion in said bearing carrying at one end one of said gears, said body being provided with passages forming a discharge conduit system for the fluid driven by said pump after its flow between said gears, said conduit system including a groove in said body parallel to said shaft bearing and close thereto through which the full delivery of the pump circulates, communicating with the inside of said shaft bearing over the whole length of said bearing.

2,481,144
BRAKE AND CLUTCH OPERATING MECHANISM
Fred Neale, Coventry, England
Application June 19, 1945, Serial No. 600,282
In Great Britain July 6, 1944
3 Claims. (Cl. 188—78)

1. In a brake having swingably mounted brake shoes disposed for movement in opposite directions into operative engagement with a brake drum, mechanical brake operating mechanism comprising in combination, an operating shaft mounted on said brake for rotary movement, a cam located between said brake shoe operating members and adapted on rotation to move apart said members, an Oldham coupling connecting said shaft to said cam, a nonrotatable bushing on which said cam is rotatably mounted, said bushing being formed with a rectangular hole therethrough, and a fixed squared projection disposed in said hole to slidably non-rotatably support said bushing to permit limited movement of



said bushing in the direction of movement of either of said brake shoe operating members.

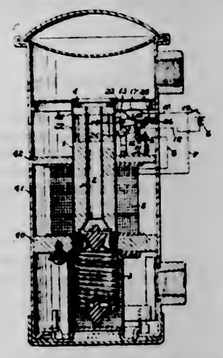
2,481,145
HAND CART WITH LOAD FASTENER
Sidney E. Nielsen, Shreveport, La.
Application September 3, 1946, Serial No. 694,515
1 Claim. (Cl. 280—49)

In a general utility vehicle, a frame provided with a pair of wheels for traverse over the ground; and hooking means capable of adjustable elevation above the frame and carried thereby; said means having a pair of opposedly disposed upturned fingers, and being provided with a spring arranged between these fingers, and in contact therewith, and the spring being so constructed as to securely hold objects hooked on the fingers and prevent their slipping off.

2,481,146
COMPACT BEARING WITH AXIALLY ALIGNED BEARING MEANS
Vincent Edward Palumbo, Cleveland Heights, Ohio
Application June 12, 1948, Serial No. 32,622
16 Claims. (Cl. 308—189)

1. A bearing comprising a sleeve member having a radially inwardly turned end section with an axially extending cylindrical inwardly directed portion formed thereon, an annular member of substantially Z-shape in radial section received within said sleeve member and having radially inner and outer legs, the radially inner and outer legs of said annular member being axially offset with the radially outer leg being positioned within the cylindrical portion of the end section of said sleeve member and lying immediately adjacent the radially inner surface of said sleeve member, and bearing means positioned between the radially outer surface of the radially inner leg of said annular member and the radially inner surface of said sleeve member, and between the radially inner surface of the radially outer leg of said annular member and the radially outer surface of the cylindrical portion of the end section of said sleeve member.

2,481,147
RECIPROCATING ELECTROMAGNETIC MOTOR
Leland C. Parker, Elmira, N. Y., Harland L. McHenry, Sayre, Pa., and John W. Dickey, Newfield, N. Y., assignors to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application September 18, 1947, Serial No. 774,724
4 Claims. (Cl. 172—126)

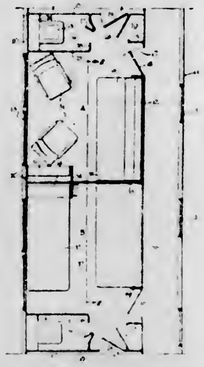


4. In an electromagnetic motor, a non-magnetic cylinder, a plunger of magnetic material slidably mounted therein, a spring urging the plunger toward one end of the cylinder, a solenoid surrounding the cylinder and arranged when energized to retract the plunger and overcome the spring, and means for controlling the energization of the solenoid including a magnet mounted adjacent the cylinder with freedom for pivotal movement on an axis transverse to the axis of the cylinder so as to move its poles alternately toward and away from the cylinder, said plunger having a portion so spaced axially from the main body thereof that during the reciprocation of the plunger the spaced portion comes alternately into the zone of influence of one of the poles of the magnet and out of the zone of influence of the other pole, and vice versa; so as to cause the magnet to rock about its pivotal axis; and a pair of contacts controlled by the rocking motion of the magnet.

2,481,148
SLEEPING CAR ROOM ARRANGEMENT
John W. Patten, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 16, 1942, Serial No. 506,499
6 Claims. (Cl. 105—315)

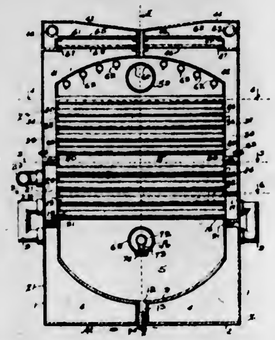
1. A sleeping car having two adjoining rooms separated by a common transverse wall, each

room having a longitudinal outer wall, a longitudinal aisle wall and a transverse wall interconnecting the outer and aisle walls remote from the common transverse wall, each room having beds therein arranged to extend from the common transverse wall along the aisle and the outer walls thereof, each room further having a doorway and



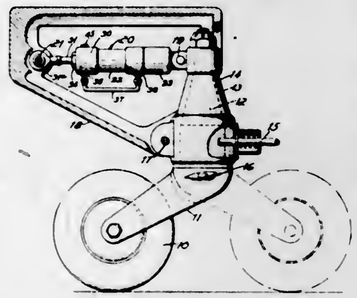
door in the aisle wall disposed lengthwise beyond the extended bed adjacent said aisle wall, one of the beds in each room being foldable into a recess provided therefor in the common transverse wall, and the major part of the remaining portion of said common transverse wall being foldable to throw the two rooms into one large room.

2,481,149
AIR-CONDITIONING AND HEATING MEANS
Adolphe C. Peterson, Minneapolis, Minn.
Application April 17, 1945, Serial No. 588,744
13 Claims. (Cl. 257—3)



1. A heat transfer means for air conditioning of interior building space, comprising, an enclosed space, a conduit means having surfaces exposed to said enclosed space and forming part of a heat conveying fluid system for heating or cooling of said interior building space, air motive means for supplying air to said enclosed space, fuel supply means delivering to said enclosed space, a cooling water supply delivering to said enclosed space, thermostatic means exposed to air in said interior building space, means whereby said air motive means and said fuel supply means are responsive to said thermostatic means to deliver air and fuel for combustion in said enclosed space when temperature is under a predetermined minimum in said interior building space, and means for control of said air motive means and said cooling water supply means to deliver said air and cooling water supply to said enclosed space when temperature in said building space is over a maximum predetermined temperature.

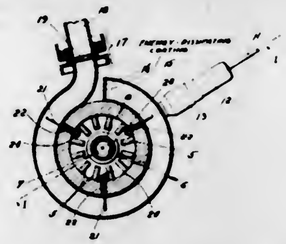
2,481,150
SHOCK-ABSORBING APPARATUS
Robert T. A. Pifer and Lewis W. Pifer, Durham, N. C.
Application September 19, 1946, Serial No. 697,898
5 Claims. (Cl. 244—104)



5. In aircraft including bracket means fixed relative to the fuselage, a landing assembly of bell crank form including a long arm and a short arm, a landing surface contacting element at the end of the long arm, means pivotally connecting said assembly to said bracket at the elbow of the former, a shock absorber including relatively movable parts, means pivotally connecting one of said parts to said bracket means and the other to the short arm of said assembly, one of the movable parts of said shock absorber being a piston and the other being a cylinder, a flexible diaphragm dividing said cylinder into a compressible fluid chamber and a noncompressible fluid chamber, a partition subdividing said noncompressible fluid chamber into a piston working space and a space adjacent said diaphragm, resilient means for maintaining said piston in a normal position, means responsive to displacement of said piston from normal position for establishing communication between the high pressure side of said piston working space and said space adjacent said diaphragm and means establishing restricted communication between said piston working space and the space adjacent said diaphragm whereby the return stroke of said piston is damped.

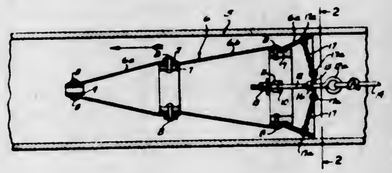
2,481,151
ELECTRON DISCHARGE DEVICE
Donald M. Powers, Boston, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 13, 1944, Serial No. 530,861
15 Claims. (Cl. 250—27.5)

1. A high frequency oscillator comprising an electron discharge tube having a plurality of electromagnetically coupled cavity resonators therein, and a hollow wave guide adapted to be excited by said cavity resonators, a plurality of said cavity resonators being directly coupled to said wave guide, said wave guide having a closed end and an opposite end section through which



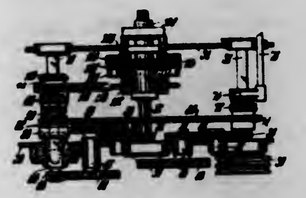
end section the oscillatory energy is led out of the oscillator.

2,481,152
PIPE AND SEWER CLEANING APPARATUS
Norbert M. Redmond, Sr., New Orleans, La.
Application October 12, 1945, Serial No. 621,986
1 Claim. (Cl. 15—104.06)



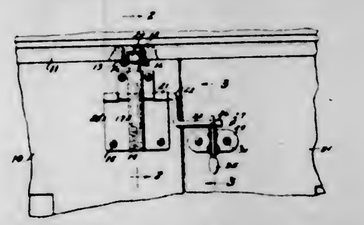
In a device of the kind described, an elongated and conical water plug adapted for insertion within and through a sewer pipe for cleaning or repairing same, the flared outer margins of the plug being of flexible material for frictional contact with the curved inner walls of the pipe, a nozzle seated through the apex of the reduced, inner end of the plug, a removable cap for the outer end of the nozzle, a supporting ring seated transversely within the flared outer end of the plug inwardly of the flexible margins thereof, a flat cross-bar extended diametrically across the ring, the said bar being apertured along the axis of the plug, a control rod passed slidably through said aperture of the cross-bar, the same being threaded at its inner end as projected through the aperture of the cross-bar and having an adjustment nut mounted thereon, an operating cable secured at its inner end to the outer end of the control rod, a circular draw-plate mounted through an apertured center upon the control rod in outwardly spaced relation to the inner end of the rod, a stop-nut on the control rod at the inner side of the draw-plate, a plurality of draw-chains extended radially from the draw-plate to the outer flared and flexible margins of the plug in regularly spaced relation, the said plug being constructed of conical sections of flexible material, each annular in cross section when expanded and of successively reduced and complemental diameters at their ends so as to form and complete a uniformly regular and conical structure from end to end, supporting rings seated transversely in the successively reduced inner ends of the sections and adapted to enter the relatively flared outer ends of adjacent sections, and means for securing the sections together at said rings.

2,481,153
DRIVING MECHANISM FOR AUTOMATIC BAR STOCK MACHINES AND THE LIKE
Edmund J. Robichaud, Middletown, Conn., assignor to The Billings and Spencer Company, Hartford, Conn., a corporation of Connecticut
Original application August 13, 1945, Serial No. 610,566. Divided and this application November 5, 1946, Serial No. 707,909
3 Claims. (Cl. 192—4)



1. Drive mechanism for a machine of the class described comprising in combination, a housing, a high speed shaft rotatable therein, a low speed shaft rotatable therein, concentric drive and cam shafts journalled in the housing, gearing connecting the high speed and drive shafts, an overrunning clutch associated with the low speed shaft having an inner and an outer member on the low speed shaft, gearing connecting said drive shaft and inner member, sprockets on said high speed shaft and outer member, a chain engaging the sprockets, clutch means for clutching the sprocket on the high speed shaft thereto, a driving connection between said outer member and cam shaft, and means operable by said cam shaft for operating said clutch means.

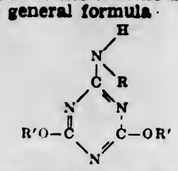
2,481,154
AUTOMATIC DOOR BOLT
Johannes J. Rousseau, Capetown, South Africa, assignor of one-half to Christoffel F. van Heerden, Capetown, South Africa
Application December 23, 1947, Serial No. 793,463
3 Claims. (Cl. 292—1)



1. An automatic door bolt arrangement comprising a casing, adapted to be secured to a door, a bolt slidable in the casing and adapted to latch with a keeper plate, a transversely extending means connected to the bolt to retract the same, catch device adapted to be secured to another door and adapted to engage with the transversely extending means as the other door is closed, said catch device being operable upon the transversely extending means to retract the bolt as the other door is pulled to the open position and to be releasable from the transversely extending means whereby both doors may be opened by a single pull on the other door.

2,481,155
RESINOUS COMPOSITIONS
Frederic C. Schaefer, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 20, 1946, Serial No. 717,605
21 Claims. (Cl. 260—67.6)

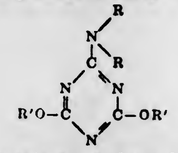
1. A composition comprising a resinous material obtained by effecting reaction between ingredients including (1) an aldehyde and (2) a thermoplastic composition resulting from a transesterification reaction between ingredients including (*a*) at least one triazine derivative represented by the general formula



where R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals and R′ represents a monovalent hydrocarbon radical and (*b*) a dihydric alcohol in which the hydroxy groups are members of the class consisting of primary and secondary hydroxy groups, and further characterized by being a member of the class consisting of hydrocarbon dihydric alcohols and dihydric alcohols having an oxygen atom of a linear ether in a hydrocarbon chain and which are free from epoxy groups.

2,481,156
REACTION PRODUCTS OF A POLYHYDRIC ALCOHOL AND A TRIAZINE DERIVATIVE AND METHODS OF PREPARING THE SAME
Frederic C. Schaefer, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 20, 1946, Serial No. 717,606
17 Claims. (Cl. 260—2)

1. A composition comprising a synthetic material obtained by effecting reaction under heat between ingredients including (1) a triazine represented by the general fromula



where R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals and R′ represents a monovalent hydrocarbon radical and (2) a polyhydric alcohol in which the hydroxy groups are members of the class consisting of primary and secondary hydroxy groups, the hydroxy groups being the only reactive functional groups which are present in the said polyhydric alcohol.

2,481,157
TREATMENT OF HALO-HYDROCARBONS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 27, 1944, Serial No. 560,706
17 Claims. (Cl. 260—593)

1. A process which comprises reacting a monohaloalkane having at least three carbon atoms per molecule with a halo-olefin in the presence of a metal halide catalyst of the Friedel-Crafts type to produce a polyhaloalkane and reacting said polyhaloalkane with a hydroxy compound selected from the group consisting of water and aliphatic alcohols.

2,481,158
PRODUCTION OF POLYHALO-ALKANES
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 30, 1945, Serial No. 613,707
22 Claims. (Cl. 260—658)

1. A process for producing a polyhalo-alkane which comprises reacting in the presence of a Friedel-Crafts metal halide catalyst a monohaloalkane having at least 3 carbon atoms per molecule and containing a halogen of at least 35 atomic weight with a halomono-olefin containing a halogen of at least 35 atomic weight.

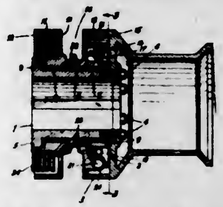
2,481,159
PRODUCTION OF POLYCHLORO-HYDROCARBONS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1946, Serial No. 712,084
11 Claims. (Cl. 260—648)

1. A process which comprises condensing 1,1-dichloroethylene and a monochloro-hydrocarbon selected from the group consisting of a monochlorocycloalkane and a monochloroalkane having at least three carbon atoms per molecule in the presence of a Friedel-Crafts catalyst.

2,481,160
PRODUCTION OF HALOCYCLOALKANES
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 28, 1947, Serial No. 788,669
22 Claims. (Cl. 260—648)

1. A process for producing a higher boiling halocycloalkane which comprises chemically combining in the presence of a Friedel-Crafts halide catalyst a monohalocycloalkane and a monoolefinic compound selected from the members of the group consisting of a monoolefin and a halomonoolefin.

2,481,161
JOINT BREAKER AND CATHEAD
John H. Schreiber, St. Louis, Mo.
Application April 22, 1944, Serial No. 532,239
10 Claims. (Cl. 254—172)



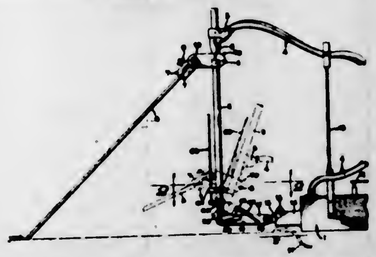
1. A joint breaker and cathead comprising a rotor, a drum supported adjacent to said rotor for optional operation thereby from an initial starting or datum position to operate a jerk line, hydraulically operative clutching and attaching elements mounted between said drum and said rotor for movement to and from position to rotate said drum by said rotor, means for confining a column of liquid for hydraulically operating said elements to position to rotate said drum by said rotor, means for optionally applying pressure to said column of liquid and thereby operating said elements as aforesaid to said position, means for terminating said pressure of said column of liquid after said drum has been rotated a predetermined distance by said rotor, and a resilient portion included in said first means for rotating said drum to said initial datum or starting position when said pressure against said column of liquid is discontinued.

2,481,162
CHEESE CUTTING MACHINE
Llewellyn M. Seely, Cheltenham Township, Montgomery County, Pa.
Application February 6, 1948, Serial No. 6,636
3 Claims. (Cl. 31—30)



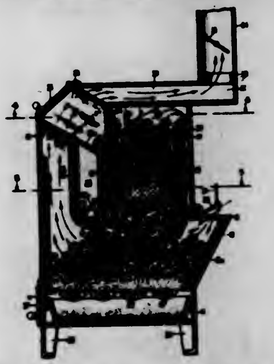
1. In a cutting machine comprising a vertically movable cutting blade, a slideable guard member embracing said cutting blade and having free vertically extending marginal portions, vertical guides adjacent the sides of said cutting blade, the marginal portions of said guard member being slideable in said vertical guides, said guard member being normally actuated by gravity downwardly and freely slideable to rest in its lowermost position and having its lower edge extending below the cutting edge of said cutting blade.

2,481,163
SEMIAUTOMATIC WELDER
Paul H. Setzler, Hamilton, Ohio
Application September 11, 1948, Serial No. 48,911
9 Claims. (Cl. 219—8)



1. A welding apparatus for depositing a weld upon a work surface, comprising, a base, a post supported from the base, an electrode holder slidably mounted upon the post, said holder being adapted to hold a welding rod at an angle to the post, with the opposite end of the rod disposed upon a work surface, means for regulating the descent of the holder in accordance with the rate of deposition of welding rod metal upon the work surface, and means, including a latch, adapted to be actuated by said holder at a predetermined point in its descent, for swinging the post and attached electrode abruptly away from the work surface.

2,481,164
CROSS-DRAFT MAGAZINE HEATER FOR BURNING SOLID FUEL
Ralph A. Sherman and Bertrand A. Landry, Columbus, Ohio
Application June 23, 1943, Serial No. 491,958
4 Claims. (Cl. 126—73)

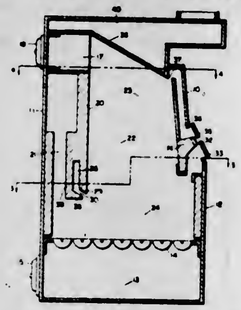


1. A heater for the combustion of solid fuel, including a vertically disposed casing having therein a chamber consisting of an upper fuel space and a lower combustion space; a substantially horizontal perforated grate constituting the bottom of said combustion space; said casing also including an ash-receiving chamber normally closed against admission of outside air to it; a transversely disposed vertical wall spaced above said grate to provide an outlet passage for the gases emanating from the combustion space; said casing having an outwardly offset portion at that side of the chamber which is opposite said wall to provide an air space free of fuel, said offset portion having a damper-controlled air inlet located above the grate and adapted to direct a primary air stream so that it flows horizontally over and across the grate in the direction of said outlet passage, a duct within said casing extending from the upper portion of said fuel space to said air space for conducting volatile matter released from the fuel in the top of the fuel space to said air space to join with the primary air stream, said vertical wall being hollow and in communication with the atmosphere and having a latitudinally continuous rearwardly directed slot extending the entire width of the vertical wall for passing secondary air into the combustion space, and a means for varying at will the area of said slot.

2,481,165
DOWN AND CROSS DRAFT HEATER, INCLUDING AIRTIGHT ASH PIT
Bertrand A. Landry, Columbus, Ohio
Application February 2, 1949, Serial No. 74,983
12 Claims. (Cl. 126—76)

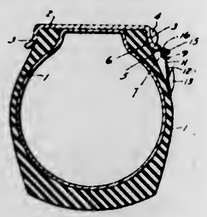
1. A down-feed cross-draft heater including a casing forming a combustion space and a fuel

magazine in vertical sequence, with the combustion space at the lower portion of the casing, a supporting grate spaced from the bottom of the casing and forming with the bottom of the casing a sealed ash pit below the grate, primary air supply means in one wall of the casing and above the level of the grate, an outlet duct extending substantially entirely across the opposite wall of the casing and opening adjacent to but above said grate, whereby primary air flowing from the supply means moves substantially transversely across the combustion area to the outlet duct and wholly above the grate, and an air supply duct leading from a point below the



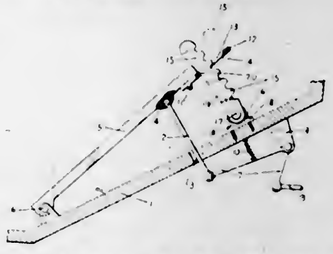
top of said first named wall and terminating in a port extending horizontally substantially the entire width of the said first-named wall and adjacent the top to introduce pre-oxidizing and ignition air into the fuel magazine, said fuel magazine being sealed at its upper end except for the said inlet port and said combustion space having exit gas communication solely at the entrance to said outlet duct adjacent to but above the grate, whereby the pre-oxidizing and ignition air moves in a generally diagonal direction from the port at the top of the fuel magazine through the fuel to the outlet duct on the opposite side thereof and adjacent to said grate.

2,481,166
TIRE DEFLATION INDICATOR
Paul Siever, Minneapolis, Minn., assignor to Tire-Larm Co., Minneapolis, Minn., a corporation of Minnesota
Application December 5, 1946, Serial No. 714,285
1 Claim. (Cl. 116—34)



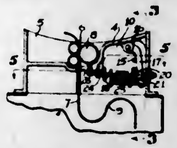
In a device of the class described, a wheel, a pneumatic tire equipped rim on said wheel, an anchoring bracket secured to the tire bead engaging flange of said rim, an anchoring lip projecting outwardly from said anchoring bracket in a direction radially of said rim, a slot adjacent the free end of said anchoring lip, a sound-producing tongue extending through said slot with one end overlying the anchoring lip and with its free end in contact with the side wall of said tire, a recess in said anchoring lip, and an adjusting screw carried by said sound-producing tongue and having its inner end seated in said recess.

2,481,167
THROTTLE CONTROL DEVICE
Paul Siever, Minneapolis, Minn.
Application May 20, 1948, Serial No. 28,262
5 Claims. (Cl. 74—534)



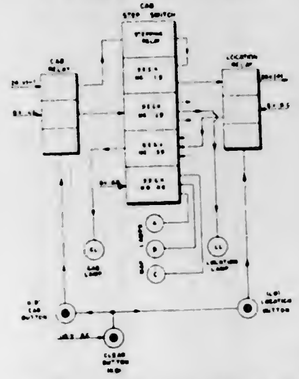
1. In a device of the class described, a foot pedal adapted to have its rear end portion pivotally secured to the floor boards of a vehicle in a position to engage and actuate an accelerator rod projecting upwardly through the floor boards at substantially right angles thereto, and spring means adapted to bias the free end of said foot pedal and the projected end of said throttle lever outwardly with respect to said floor board, said pedal forwardly of said pivot being provided with an elongated longitudinally-extended slot the forward end of which is in the nature of a pawl element, a ratchet element adapted to be pivotally secured to said floor board for rocking movements in said slot, said ratchet element having teeth on its forward edge adapted to engage said pawl element to maintain said pedal in a set depressed position but being normally rearwardly biased whereby said teeth are out of operative engagement with said pawl element.

2,481,168
FIRE EXTINGUISHER FOR MOTION-PICTURE PROJECTORS
Donald C. Soper, Los Angeles, Calif.
Application December 18, 1945, Serial No. 635,699
1 Claim. (Cl. 169—2)



An automatic fire extinguisher for motion picture projectors, comprising: a pressurized fire extinguisher cartridge secured to a motion picture projector and including a fluid pressure resistant frangible stem penetrating into a region of the projector subject to fire hazard; a lever arm pivotally mounted in said region and traversing said stem; a spring urging said lever in a direction to engage and break said stem thereby to discharge the contents of said cartridge into said region; a fulcrum element including a shank extending through a wall defining said region; a latch lever journalled intermediate its ends on said fulcrum element; a fuse link anchored at one end and connected by its other end to an end of said latch lever, the remaining end of said latch lever engageable with said lever arm to restrain said spring, said fulcrum element being adjustable by means of said shank to relieve and apply tension to said fuse element and spring.
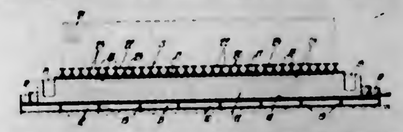
2,481,169
ELECTRIC SELF-INDICATING INDEXING AND SWITCHING SYSTEM
William A. Sourwine and Herbert I. Pierce, Seattle, Wash.
Application July 30, 1947, Serial No. 764,606
8 Claims. (Cl. 177—353)



4. In a registry system for recording the location of a plurality of objects which may be disposed in various zones of a plural zone area; display means including a first bank of annunciators individually corresponding to said objects, and a second bank of annunciators individually corresponding to said zones; a control console including a first bank of manually operative switch keys individually corresponding to said objects, and a second bank of manually operative switch keys individually corresponding to said zones; a bank of registry switches individually corresponding to said objects, and each of said registry switches having a terminal position for each of said zones; electric circuits adapted to actuate all annunciators representing objects recorded in the same zone upon the operation of the switch key representing that zone through the medium of said registry switches; electric circuits adapted to actuate the annunciator representing a given zone by any of the switch keys representing objects registered in said given zone through the medium of said registry switches; said registry switches adapted to be individually actuated by the simultaneous operation of two switch keys, one in each of said two banks of switch keys; and testing circuits adapted to apply electric energy to all annunciators to verify normal performance.

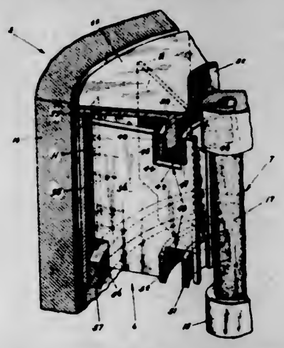
2,481,170
CHARGE SUPPORT FOR THE BASES OF COVER-TYPE ANNEALING FURNACES
Earl D. Spangler, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application February 25, 1948, Serial No. 10,808
9 Claims. (Cl. 263—49)

1. A charge support for a furnace base including a bottom and a hearth thereon adapted to accommodate a cover enclosing a charge on the base, said support comprising a metal base plate on said hearth and a plurality of beams secured to said plate in spaced parallel relation forming a grating, said beams each having a



flange at the top and a head at the bottom narrower than the flange, the head being welded to the plate at intervals along the length of the beam, whereby a limited transverse movement of the flanges is permitted to accommodate expansion and contraction of the charge.

2,481,171
ELECTRON DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 20, 1945, Serial No. 611,459
7 Claims. (Cl. 250—27.5)

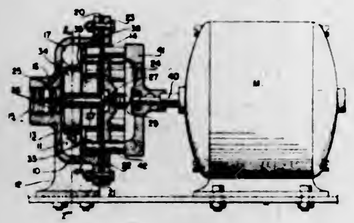


1. A tunable electron-discharge device comprising: an electrode structure provided with electrode members; each pair of adjacent electrode members, together with that portion of said electrode structure lying therebetween, constituting walls defining a cavity resonator; the defining walls of at least one of said cavity resonators being provided with a gap therein forming part of the distributed inductance thereof; spaced means, cooperable with the defining walls of at least one of said cavity resonators, presenting, in parallel with the distributed capacitance thereof, an additional distributed capacitance; and means, carried by said device and movable into and out of each of said gaps and intermediate said spaced means, for simultaneously altering, in the same direction, said distributed inductance and said last-named distributed capacitance.

2,481,172
MAGNETICALLY DRIVEN FLUID-HANDLING DEVICE
Jesse D. Staggs, Burbank, Calif.
Application May 17, 1948, Serial No. 27,535
15 Claims. (Cl. 103—87)

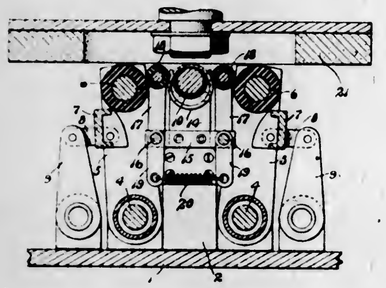
1. In a device of the character described, a case having a fluid chamber, a shaft secured to the case and extending through the chamber, a

rotor means carried by the shaft to act on the fluid within the chamber, a diaphragm secured at its periphery to the case and closing an end of the chamber, means secured to said shaft and supporting the diaphragm against bursting loads,



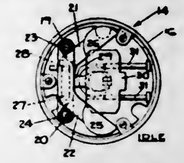
a rotating driver at the exterior of the diaphragm, and magnetic means on the driver and rotor means for transmitting rotation from the driver to the rotor means through the diaphragm.

2,481,173
RING GRINDING FIXTURE
Robert Stenwall, Newaygo, Mich., assignor to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan
Application October 20, 1947, Serial No. 780,971
6 Claims. (Cl. 51—236)



3. In a machine as described, an arbor support including, spaced apart posts having recessed upper ends adapted to support the end portions of an arbor from which rings may be suspended, and an attachment mounted on said posts at the inner sides thereof comprising, a horizontal bar detachably connected to each post below its upper end, each bar having ends extending beyond the sides of the posts, rock shafts mounted on the end portions of said bars and extending between them, arms extending upwardly from the rock shafts, horizontal rollers mounted on and extending between the upper ends of the arms adapted to bear against opposed sides of rings on an arbor, each of said vertical posts having a block at its upper end with a concave recess therein, means for detachably connecting said blocks to the posts, and a filler or shim between the lower end of each of said blocks and the upper end of each post detachably and removably connected with its associated block and post.

2,481,174
VARIABLE UNBALANCED WEIGHT MECHANISM FOR MECHANICAL VIBRATING SCREENS AND THE LIKE
Orval R. Strawn, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 3, 1949, Serial No. 68,893
2 Claims. (Cl. 74—87)

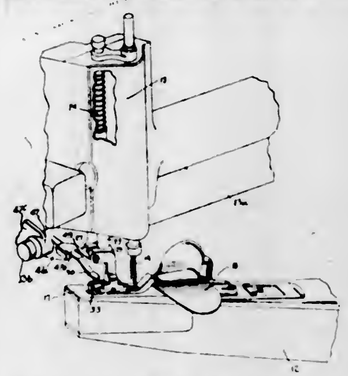


1. Vibratory unbalanced weight mechanism including an unbalanced weight assembly, means mounting said assembly for rotary movement, said unbalanced weight assembly including a first weight, means mounting said first weight for rectilinear movement of its center of gravity toward and from an axis of rotation of said mechanism, a pair of pivoted arms, means pivotally mounting said arms for opposite swinging movement on spaced axes which are parallel with said axis of rotation and substantially equally spaced from a plane passing through said axis of rotation and parallel with the axis of rectilinear movement of said first weight, weights on the free ends of said arms, spring means urging the free ends of said arms and their attached weights away from each other whereby their combined center of gravity moves rectilinearly parallel with the movement of the center of gravity of said first weight and in a direction to counteract the unbalancing weight of said first weight, and a linkage between said first weight and said pivoted arms which moves said first weight to move the center of gravity thereof toward said axis of rotation when the free ends of said arms swing away from each other and which moves the center of gravity of said first weight away from said axis of rotation when the free ends of said arms swing toward each other, the free ends of said arms and their attached weights when swinging toward each other also moving their combined center of gravity away from said axis of rotation in a direction to cooperate with said first weight to increase the total effective unbalanced weight, the total unbalanced weight of the entire assembly being slightly off the axis of rotation in the aforementioned plane in the direction of movement of said first weight when it moves from said normal axis of vibration when the mechanism is at rest, all whereby both the total effective unbalanced weight and the effective distance thereof from the axis of rotation increase as the speed of rotation of said mechanism increases and decreases as the speed of rotation decreases.

2,481,175
PRESSER FOOT
Francis P. Tamburro, Ozone Park, N. Y., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application February 28, 1944, Serial No. 524,159
8 Claims. (Cl. 112—225)

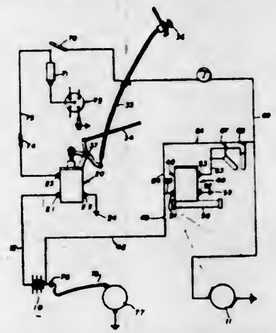
1. A sewing machine having a throat plate; a presser bar; a front presser foot and a rear presser foot; means for mounting the presser feet in tandem on the presser bar to be bodily movable therewith and between limits relatively thereto

whereby they are positioned under pressure supplied from the presser bar to engage and move independently of one another to follow variations in the thickness of a workpiece passing over the



throat plate; and means independent of the presser bar and applying pressure to the rear foot, yieldably holding the latter in work-engaging position and providing a force thereon in addition to that supplied by the presser bar.

2,481,176
SAFETY SWITCH ARRANGEMENT FOR VEHICLES
Frank Y. Taylor, Deadwood, and Charles C. Taylor, Huron, S. Dak.
Application April 29, 1947, Serial No. 744,604
7 Claims. (Cl. 171—97)

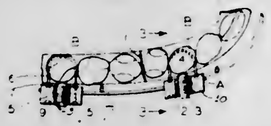


6. A safety arrangement for cutting off the current in all operational circuits of a vehicle in the case of an accident, comprising a source of current, a connection with ground on one side of the source of current, maintained closed during normal operation of the operational circuits of the vehicle, a first solenoid switch, controlling the said ground connection and maintaining it closed and operative, when energized, said solenoid switch including a casing, a solenoid coil, a solenoid core moving within the coil, return means for moving the core in one direction opposed to the direction of movement imparted by the coil, two contact members arranged at opposite sides of the casing and of the core, a contact disk on said solenoid core, bridging said contacts, one of said contacts being connected with the source of current and with one end of the solenoid coil, the other contact being connected with ground, a conductor leading from the source of current to the operational circuits of the vehicle, a second ground connection leading from the aforesaid conductor, and maintained open during normal operation of the operational circuits of the vehicle, a fuse in said conductor between said ground connection and the source of current, a second solenoid switch controlling the last named ground connection, closing the same and making it operative upon energization of the said second solenoid switch, said second solenoid switch including a casing, a solenoid coil, a solenoid core within said coil, return means for moving said core in a direction opposed to the direction of movement imparted to it by the coil, two contacts arranged on opposite sides of the casing and of the core, a contact disk, bridging said contacts, one of said contacts being connected with the ground and the other with the connection, leading to the conductor connecting the source of current with the operational circuits, the latter contact being also connected with the coil, an energizing circuit for the first named solenoid switch, connected with the operational circuits of the vehicle and with the end of the coil, not connected with the contact members of the first said solenoid switch, and maintaining the first solenoid switch closed while a flow of current is maintained through said operational circuits, a manually operated mechanism for moving said solenoid core into its operative position, said mechanism including a lever, fulcrumed near said solenoid core on the casing and operatively connected with the said solenoid core, a member controlled by hand, arranged within reach of the driver of the vehicle, and a flexible member leading from said hand controlled member to said lever, for moving the same and for moving said solenoid core into its operative position, an energizing circuit for the second solenoid switch branching off from the aforesaid second ground connection and conductor and connected with the second end of the solenoid coil of the second solenoid switch, and gravity operated switches in the energizing circuit of the second solenoid switch, closing the energizing circuit of the said second solenoid switch when an inclined position of the vehicle exceeds a predetermined limit, a mechanical locking device for said second solenoid switch, holding the same mechanically and permanently in the position adopted upon energization in which the second ground connection is maintained closed after interruption of the current flow to the energizing circuit of the second solenoid switch, said second solenoid switch producing a short circuiting of the source of current to ground, a melting of the fuse, an interruption of the current flow of the operational circuits, and thereby an interruption of the current flow of the energizing circuit of the first solenoid switch, which in its turn cuts the ground connection and the source of current, which is thus disconnected on both sides.

2,481,177
INTRAORAL FRACTURE REDUCTION APPLIANCE
Benjamin F. Tofflemire, Lafayette, Calif.
Application August 22, 1944, Serial No. 550,621
4 Claims. (Cl. 128—89)

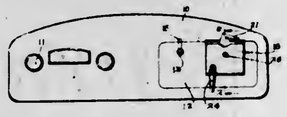
1. An abutment for an intra oral fracture appliance having two wire receiving openings with enlarged recesses at the ends of the openings disposed on the face of the abutment lying adjacent to the cheek, said abutment having shoulders at the juncture of the bores and recesses, a wire staple passed around a tooth and

having its legs received in the openings, the ends of the staple being enlarged and bearing against the shoulders for securing the staple to the abutment, and a screw carried by the abutment and



having a rounded end for contacting with the tooth, said screw being adapted to tighten the abutment on the staple for anchoring the abutment rigidly to the tooth.

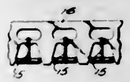
2,481,178
AUTOMOBILE POCKET
Harry W. Tucker, Long Branch, N. J.
Application March 3, 1947, Serial No. 732,070
1 Claim. (Cl. 224—42.44)



In combination with the dashboard of a motor vehicle having a glove compartment formed with a front opening closed by a door pivotally mounted along its bottom edge to be openable, a case, comprising a pocket having front and rear walls and an opening along its top edge, a flap continuing from the top of said rear wall and extendable across the top opening and along the front wall for closing said top opening, cooperative fastening elements on said flap and said front wall for holding said flap in a position closing said top opening, said flap in the released condition of said fastening element being extendable rearward from said rear wall so that the material of said case at the junction of said flap and said rear wall may be clamped between the top edge of the door and the adjacent material of the dashboard defining the front opening of the glove compartment with said pocket depending along the outer face of the door with said top opening exposed so that desired articles may be inserted into said pocket, and a stop member on said flap closely adjacent said junction for engaging the inside face of the door to prevent the withdrawal of said flap from its clamped position between the top edge of the door and the material of the dashboard except when the door is opened, said stop member comprising an elongated strap extended transversely of said flap and secured to the outer face thereof closely adjacent said junction.

2,481,179
METHOD OF MAKING BUCKLES
John A. Turini, Cranston, R. I.
Application September 16, 1946, Serial No. 697,261
2 Claims. (Cl. 29—3)

2. The method of manufacturing a buckle comprising the steps of stamping a continuous metallic strip with successive buckle openings having an end bar and a cross bar extending longitudinally of the strip at each buckle opening, attaching successive buckle rollers to each end bar on said strip, attaching successive buckle tongues to each cross bar on said strip, and subsequently



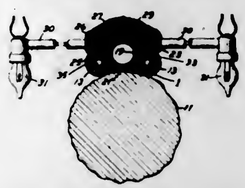
stamping successive finished buckles from said strip.

2,481,180
BUCKLE ASSEMBLY MACHINE
John A. Turini, Cranston, R. I.
Application December 19, 1946, Serial No. 717,181
1 Claim. (Cl. 29—3)



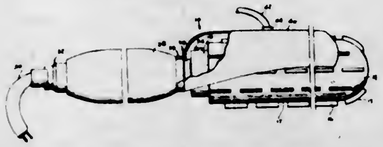
In a device for applying rollers to the cross bars of buckles interconnected in the form of a strip, a base providing a working zone, a horizontal elongated guide channel mounted on said base and extending substantially to said working zone for directing said strip from one side of said base to said working zone, positive driving means for feeding said strip intermittently through said channel to said working zone, guide means mounted on said base for directing a metal strip from the other side of said base to said working zone in a direction opposite to the movement of the first said strip and to a position above the first said strip, feeding and bending means for advancing said metal strip to said working zone in inverted U-shape, a rotary saw in said working zone for severing successive lengths from said metal strip, means for applying said severed lengths to successive buckles of said strip, and a vertically movable die for bending said lengths about the cross bars of successive buckles.

2,481,181
ELECTRICAL CONNECTOR APPARATUS
Laurence Walter, Albany, Calif.
Application January 18, 1947, Serial No. 722,827
2 Claims. (Cl. 173—324.1)



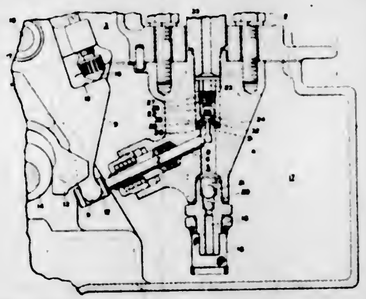
1. Electrical connector apparatus comprising a strip of stretchable material having a pair of spaced longitudinal grooves therein, a core intermediate said grooves, said core being stretchable and maintaining substantially its cross section with stretch, and a stretchable conductor of electricity embedded in said strip alongside of and exposed through a wall of each of said grooves.

2,481,182
HOG SCRAPER
Cecil Waters, Manhattan, Mont.
Application May 14, 1945, Serial No. 593,680
1 Claim. (Cl. 17—19)



A device of the character described comprising a cylindrical hollow scraper head having a rounded forward end, parallel rows of teeth on the outer circumference thereof, the teeth on the rounded forward end of said head conform to and follow the contour thereof to a position near the center thereof, and the teeth on the outer longitudinal surface thereof being arcuate in cross section and relatively spaced from each other, a handle connected to said head, a reduced portion on said head, a convexoconcave guard for said head having a ring formed integral therewith for mounting said guard on the reduced portion of said handle, means at the center top surface of said guard for connecting a water supply hose thereto, and means journalled in a handle for rotating said head.

2,481,183
PUMP PRIMING MEANS
Henry R. Welby, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application August 30, 1946, Serial No. 694,051
7 Claims. (Cl. 103—203)



1. A pump comprising a casing having a cylinder and having a flow chamber intersected by said cylinder, a piston in said cylinder, said chamber having a valve controlled inlet port and having an outlet port, a check valve controlling said outlet port, and mechanical means engageable with said check valve and operable by said piston to move said check valve to open position.

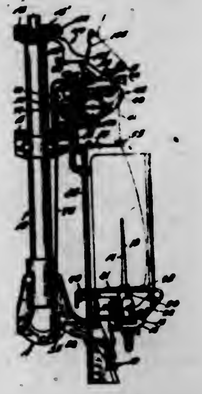
2,481,184
LIQUID-SEALED LIFTER ROOF FOR LIQUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application April 5, 1946, Serial No. 660,016
3 Claims. (Cl. 48—176)

3. A fluid storage apparatus, comprising a tank having a side wall provided with a reservoir that is adapted to contain a sealing liquid, a vertically-movable roof for said tank, a depending skirt mounted on the underside of the roof by oscillating hangers a flexible sealing element between



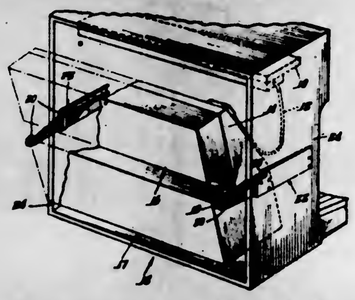
the roof and skirt, said skirt projecting downwardly into said trough in close proximity to the outer wall of said trough, and a wiper on the outer wall of said trough that bears against the outer surface of said skirt.

2,481,185
FEED ROLL UNIT FOR TEXTILE MACHINES
Albert E. Winslow, Greenville, S. C., assignor to Universal Winding Company, a corporation of Massachusetts
Application March 19, 1948, Serial No. 15,847
14 Claims. (Cl. 57—83)



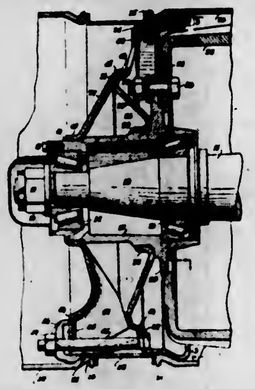
1. A textile machine comprising a spindle for a take-up package, a feed unit for advancing yarn to the take-up package, a rotatable feed roller in said unit, a drive shaft, a pulley on said shaft, a pulley connected to said feed roller, a flexible member extending about said pulley for transmitting motion from said drive shaft to said feed roller, a mechanism for moving said member to and from driving engagement with said pulleys, and a trip mechanism operable upon the breaking of a yarn for actuating said mechanism.

2,481,186
ORGAN CABINET
Victor I. Zuck, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application January 2, 1947, Serial No. 719,895
11 Claims. (Cl. 84—177)



1. In an organ having a key mechanism a cabinet and a retractible note-producing apparatus adapted to be disposed within said cabinet and actuated by said key mechanism, mounting devices disposed interiorly of said cabinet and adapted normally to support said apparatus within said cabinet, said devices having extensible portions for supporting said apparatus with a portion thereof extending outside of said cabinet.

2,481,187
VEHICLE WHEEL
Charles S. Ash, Milford, Mich.
Application May 19, 1945, Serial No. 594,758
6 Claims. (Cl. 301—64)

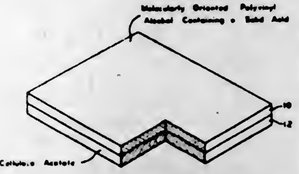


1. A vehicle wheel comprising, in combination, a hub member, a pair of web members secured to said hub member in axially spaced apart relationship, the axially inner of said web members being axially outwardly curved and reversely curved in its body portion between said hub member and its outer periphery to form a curved scalloped bead, said inner web member terminating at its outer periphery in a substantially continuous integral annular rim mounting surface, the axially outer web member terminating at its outer periphery in integral outwardly radially extending spokes, the periphery of the axially outer web member being radially curved between said spokes and axially inwardly curved to lap said scalloped bead and being secured thereto, and means on said spokes for supporting a tire rim.

2,481,188
CHLORINATION OF POLYETHYLENE
Vigen K. Babayan, Teaneck, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 30, 1946, Serial No. 658,499
2 Claims. (Cl. 260—94.9)

1. A process for making a highly chlorinated polyethylene product which process comprises preparing a dispersion of less than 3% of polyethylene of molecular weight of from 18,000 to 40,000 in a dispersion medium in which the highly chlorinated polyethylene is soluble, passing chlorine gas through the dispersion in the presence of catalytic light, the passage of chlorine gas being continued until the content of chlorine in the polyethylene being chlorinated rises to about 73%, the temperature of the dispersion during the chlorination being maintained close to the boiling temperature of the dispersion medium at least during the latter portion of the chlorination, and precipitating the highly chlorinated product from the solution thereof in the dispersion medium.

2,481,189
IMAGE-CARRYING ELEMENT FOR LIGHT-POLARIZING IMAGES
Arthur Barnes, Waltham, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application June 14, 1946, Serial No. 676,839
2 Claims. (Cl. 88—65)



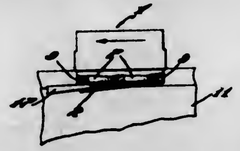
1. An image-carrying element having, in combination, a base layer, an image-receiving layer superposed on said base layer, said image-receiving layer comprising a polyvinyl compound which is selected from the class consisting of polyvinyl alcohol, partially hydrolyzed polyvinyl acetals and polyvinyl alcohol esters and which has its molecules oriented substantially in parallelism, and maleic acid, which is in solid form and which is water soluble, incorporated throughout at least a portion of said image-receiving layer adjacent that surface of the image-receiving layer most distant from said base layer, whereby said maleic acid is removable from said image-carrying element upon contact of an aqueous solution with said image-receiving layer.

2,481,190
TACK DRIVING DEVICE
Arthur E. Binns, Mansfield, Mass.
Application September 21, 1946, Serial No. 698,462
6 Claims. (Cl. 1—47)

1. In a fastening inserting means the combination with a driver, a barrel within which the driver operates and an actuator slidably mounted on the barrel, of a ball carried by the driver, means for forcing the ball outwardly through an opening in the barrel and into a recess provided in the actuator, said driver having a ball-engaging surface which engages the ball at a point inwardly offset from an axis of the ball parallel to the longitudinal axis of the driver when the ball is seated in said recess.



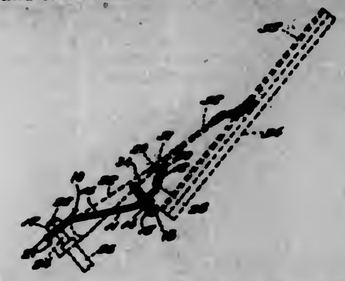
2,481,191
DEVICE FOR DETACHING TYPE PLATES FROM MAGNETIC CHASES
Arnold R. Bone, Needham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 20, 1947, Serial No. 792,895
6 Claims. (Cl. 101—382)



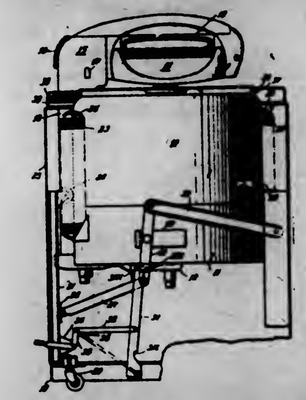
1. For detaching a printing plate magnetically held on the face of a chase block having a space opening at the face and one end of the block a device comprising a support having a track for said block and a finger in the path traversed by said space as the block is moved along the track, whereby as the block is moved along the track in the direction opposite to the direction the finger points, with said end of the block foremost, the plate is stripped from the block.

2,481,192
TENSION ADJUSTER FOR WINDSHIELD WIPERS
Nicholas Bersak, Woodbridge, N. J.
Application June 2, 1945, Serial No. 597,169
2 Claims. (Cl. 15—250)

1. A tensioning control device for a windshield wiper arm consisting of a resilient bracket member having parallelly bent ends with one end secured to a drive shaft, a spring connected between the other end of said bracket and the wiper arm and means for adjusting the tension of the spring, said adjusting means consisting of a screw threaded in said other end and bearing against the arm, a lock nut for said screw bearing against said other end holding said screw in adjusted position, and said bracket having an aperture intermediate said ends through which said arm projects.



2,481,193
RETRACTABLE WASHER IN CABINET
Frank Brecheisbridge, Newton, Iowa
Application March 27, 1947, Serial No. 737,463
8 Claims. (Cl. 68—22)



2. In a retractable washing machine, a cabinet enclosure for the washing machine, an integral washing machine mechanism including a tub and a power driven wringer as a unit, support mechanism attaching the integral washing machine unit within the cabinet including means to carry the washing machine mechanism from upper exposed operating position of the wringer above the rim of the cabinet to lowered stored position of the wringer within the cabinet, yieldable supports associated with the support mechanism to reduce the manual effort of shifting the washing machine mechanism to an exposed position of the wringer, and a seal edge in the top of the cabinet in position to abut the top of the tub to seal the opening in the cabinet top when the wringer is in upper exposed operating position.

2,481,194
CONTACTOR
John B. Babb, Palo Alto, and Charles E. Wallace, San Jose, Calif.
Application January 12, 1946, Serial No. 640,789
1 Claim. (Cl. 191—35)

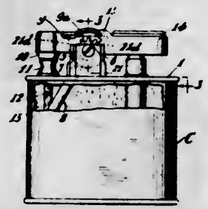
A contactor comprising a casing having an elongated opening in one side and formed to provide an elongated trackway on the other side,

electrical insulating material disposed within said casing and having walls defining an elongated channel including a centrally enlarged chamber merging with an outwardly opening narrow groove, a conductor bar within and substantially occupying said chamber, a conducting sheath having an enlarged portion interposed between said



conductor bar and said walls in said chamber and having a narrow portion leaving an exposed portion of said conductor and lining the walls in said groove, a carriage movable on said trackway, and a narrow brush on said carriage extending into said channel between the confines of the narrow portion of said sheath to abut the exposed portion of said conductor.

2,481,195
PYROPHORIC LIGHTER
Ray L. Burchett, Newark, and Frederick Meyer, Union, N. J., assignors to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application January 9, 1946, Serial No. 640,064
4 Claims. (Cl. 67—7.1)



2. A lighter having a fuel casing, spaced parallel supporting standards projecting therefrom, an axle extending between said standards, a wick, a snuffer for said wick having opposite side walls disposed between said standards, each side wall having a non-circular opening adjacent said axle, and fittings of U-shaped section having their legs pivoted about said axle respectively adjacent said standards, the inner legs of said fittings respectively engaging in the aforesaid openings in the snuffer side walls, and the remaining legs of said fittings being respectively disposed outwardly of said snuffer side walls, a reciprocable fingerpiece located adjacent said snuffer, the last mentioned legs of said fittings and said fingerpiece having complementary driving and driven parts engaging to open and close the snuffer as the fingerpiece is reciprocated.

2,481,196
SPEED RESPONSIVE DEVICE
Leander Jackson Bulliet, Rockford, Ill.
Application October 6, 1943, Serial No. 505,088
1 Claim. (Cl. 322—97)

An electric tachometer comprising a support, a permanent magnet providing a pair of opposed poles, a core having a pair of arms forming pole pieces for cooperation with the poles of said magnet to form a magnetic circuit comprising said magnet and said core, means including a shaft drivingly connected with and supporting said permanent magnet for rotation, between said pole pieces, on an axis extending medially between said poles and said pole pieces, means including a shaft drivingly connected with and supporting said core for rotation on said axis and about said magnet, said shafts being in coaxial alignment, a bearing mounted on said support for carrying the shaft driving the permanent magnet, a second bearing mounted on said



support for carrying said second mentioned shaft, a conductor coil inductively coupled with said core, means to drive one of said shafts at a shaft speed to be measured, means to drive the other shaft at a constant speed rate substantially higher than the shaft speed to be measured, whereby to generate an alternating voltage in said coil proportional to the speed difference of said shafts, and voltage suppressing means connected with said conductor coil and providing, for all shaft speeds, a proportional reduction of said voltage for application on a voltage meter having an operating range less than the average voltage generated in said coil during operation.

2,481,197
DEVICE FOR CATCHING BROKEN THREADS
Charles Caille, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application January 23, 1947, Serial No. 723,850
In Switzerland February 9, 1946
27 Claims. (Cl. 57—34.5)

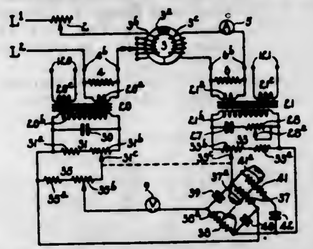


1. A filament catching device for catching up the oncoming part of a normally taut running filament after abnormal breaking comprising a blast opening directed towards the running filament for producing a continuous gaseous jet traversing the path of said filament and a catching device arranged beyond said path opposite said opening.

2,481,198
TRANSFORMER CALIBRATING APPARATUS
Richard A. Caldwell, Dubuque, Iowa
Application January 29, 1947, Serial No. 725,033
6 Claims. (Cl. 175—183)

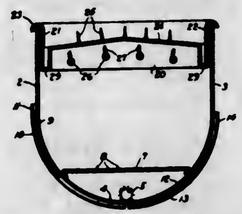
1. Testing equipment for calibrating instrument transformers and the like, comprising, a checking transformer having a closed ferromagnetic core, a primary and a secondary winding inductively arranged on said core, a tertiary inducing winding for said checking transformer, a primary potentiometer resistor, a secondary potentiometer resistor having its resistor element connected across said secondary winding of said checking transformer, connecting means arranged for the connection of the resistor element of said primary potentiometer in series with said primary winding and with a source of alternating current and alternatively for the connection of said tertiary winding and said source of current

in series with the primary winding of the instrument transformer to be calibrated, and connecting means arranged for the connection of the secondary winding of said instrument transformer in series with the resistor element of said primary potentiometer without disturbing the connections of said secondary potentiometer, and



means coacting with said potentiometers for determining the relation to each other of the voltages impressed upon said potentiometers for each of said two alternative connections, whereby the difference in said relations for said alternative connections affords a measure of the current ratio and phase angle of said instrument transformer.

2,481,199
DEVICE FOR THE DISPOSAL OF SNOW AND ICE
Alex J. Cayas, Glendale, Calif.
Application November 21, 1946, Serial No. 711,360
2 Claims. (Cl. 126—343.5)



1. A snow melting assembly comprising substantially vertical side walls the upper extremities of which are provided with hook-like means for ready engagement with and disengagement from a supporting structure for the assembly, said assembly further comprising an imperforate floor for receiving the snow thereon, said floor having heating means therebeneath for melting the received snow, said floor having drain openings at its perimeter for the escape of the resultant liquid.

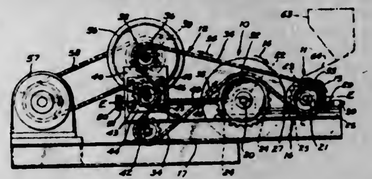
2,481,200
SILENT CAR WHEEL
Roger H. Clapp, Greenfield, Mass., and John A. Phelan, Jackson Heights, N. Y., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 4, 1945, Serial No. 608,888
4 Claims. (Cl. 295—11)

2. In a silent car wheel, the combination of a driving hub having an inner end flange and adapted to be mounted on an axle, a resilient bushing mounted on the driving hub, said resilient bushing comprising inner and outer metal sleeves and a body of elastic material compressed therebetween, an outer wheel mounted on said resilient bushing, a lock nut threaded onto the outer end of the driving hub, and non-sound conducting liners disposed at each side of the outer



wheel and the outer sleeve and the resilient material, and between said latter members and the flange and lock nut.

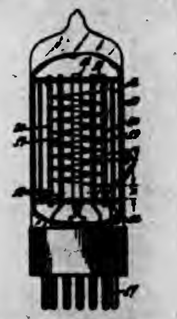
2,481,201
FRUIT PIT CRACKING MACHINE WITH SPACED CORRUGATED ROLLERS
Robert T. Collier, Palos Verdes Estates, Calif., assignor to R. T. Collier Corporation, Los Angeles, Calif., a corporation of California
Application December 22, 1945, Serial No. 636,563
9 Claims. (Cl. 146—11)



1. In a machine for cracking an article having a major axis and a minor axis, the combination of: spaced, primary and secondary cracking rollers having parallel axes of rotation, each of said rollers having a plurality of channels therein to provide peripherally spaced teeth which are parallel to said axes of rotation, the peripheral spacing of said teeth on said primary roller being greater than that of said teeth on said secondary roller, the maximum clearance between a channel in one of said rollers and an opposite channel in the other of said rollers being less than the approximate width of the article as measured along the minor axis thereof, said maximum clearance between said opposite channels being measured along a reference line which is perpendicular to and intersects said axes of rotation; and means for rotating said rollers in opposite directions at rotational speeds such that the ratio of the peripheral speed of said primary roller to that of said secondary roller is precisely equal to the ratio of said peripheral spacing of said teeth on said primary roller to that of said teeth on said secondary roller, each of the successively advancing teeth on said primary roller substantially registering with and having the same position with relation to each of the successively advancing teeth on said secondary roller at said reference line, the relative position of said primary roller teeth and said secondary

roller teeth at said reference line being such that a combined shearing and compressing action is produced on the article to be cracked.

2,481,202
ELECTRON DISCHARGE DEVICE AND METHOD OF MANUFACTURE
William C. Dale, Livingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1946, Serial No. 712,267
5 Claims. (Cl. 250—27.5)



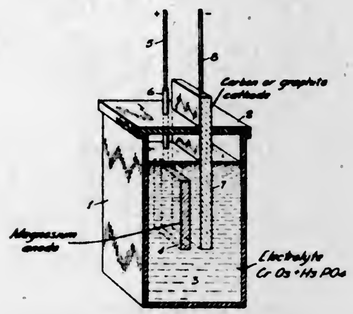
1. An electron tube having a cathode, an anode substantially co-extensive with said cathode, and at least two wound grids disposed between and parallel to said cathode and anode, said grids comprising side rods supporting a plurality of turns of grid wire, two spaced parallel insulating plates for supporting said side rods, and uniform lateral projections on said side rods forming planar surfaces normal to said side rods, like planar surfaces on said rods being spaced equally from the first turn of grid wire on each grid, the corresponding grid turns on each of said grids having a corresponding linear pitch and said like planar surfaces abutting against a common surface of one of said plates, whereby the turns of one grid are accurately aligned with the turns of the other of said grids in planes normal to the cathode and anode and parallel to the direction of electron travel in said tube.

2,481,203
GOTHIC ARCH TRACING DEVICE
Frank P. Davies and Maurice Y. Nicole, San Francisco, Calif.; said Frank P. Davies, deceased, assignor, by decree of distribution and assignment, to said Maurice Y. Nicole
Application November 29, 1946, Serial No. 713,030
2 Claims. (Cl. 33—19)



1. A device of the class described including a stylus supporting plate having a well formed therein with a seat provided in the base of the well, a stylus having a base conforming to the seat whereby said stylus is self-located within said well and said base being adapted to be secured to said seat in said well by wax or other like material, and a tracer plate engageable by said stylus.

2,481,204
MAGNESIUM PRIMARY CELL
Herbert K. De Long and Hugo A. Barbian, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application July 2, 1947, Serial No. 758,518
4 Claims. (Cl. 136—100)



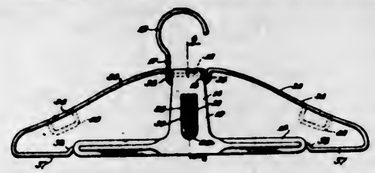
1. A primary cell comprising an anode consisting essentially of magnesium and an electrolyte consisting essentially of an aqueous solution of chromic acid and phosphoric acid, in which the content of CrO_3 is from 30 to 50 per cent by weight and the content of H_3PO_4 is from 5 to 25 per cent by weight, but within the limit of solubility of the two solutes.

2,481,205
SIMULTANEOUSLY SCOURING AND BLEACHING WOOL
Archie Louis Dubeau, Rumford, R. I., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application April 19, 1946, Serial No. 663,636
3 Claims. (Cl. 8—139)

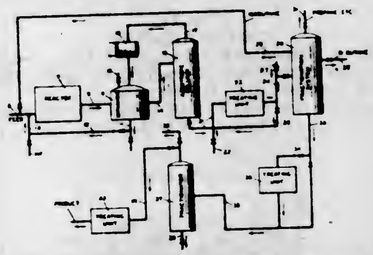
1. A continuous process for simultaneously scouring and bleaching wool which comprises continuously passing the wool to be treated in contact with an aqueous liquor containing soda ash, sodium bicarbonate, soap and sodium chlorite and maintaining the composition of the liquor such that the weight ratio of apparent carbonate to bicarbonate is within the range of 1:0.5 to 1:2 substantially throughout the operation.

2,481,206
GARMENT HANGER
James W. Eaton, Chicago, Ill.
Application October 30, 1946, Serial No. 706,641
9 Claims. (Cl. 223—91)

1. In a hanger, in combination, a pair of clamping members swung about a common axis, means for biasing said clamping members apart, one of said clamping members being provided with a strut disposed in a plane at right angles to said axis, and link means looped around and slidable on said strut for locking said clamping members in clamping relationship with each other, said link means being provided with means co-operating with the other of said clamping members for preventing said link means from jamming on said strut.



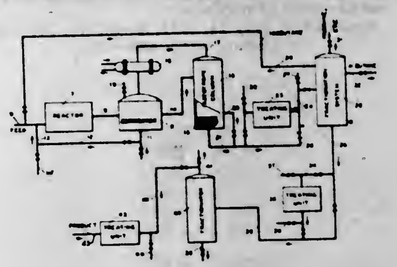
2,481,207
METHOD OF DEHYDROFLUORINATION WITH COPPERPLATED METAL CATALYSTS
Jack F. Eberle, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 9, 1945, Serial No. 603,837
11 Claims. (Cl. 260—683.4)



2. In a process for the alkylation of isoparaffin with an olefin in the presence of a hydrofluoric acid alkylation catalyst wherein organic fluorine compounds are formed as by-products of said alkylation and contaminate a hydrocarbon alkylation effluent, the method for removing said organic fluorine compounds which comprises separating said hydrocarbon alkylation effluent into a liquid hydrocarbon-rich phase and a liquid hydrofluoric acid-rich phase, passing said hydrocarbon-rich phase containing dissolved hydrofluoric acid and minor proportions of organic fluorine compounds to a fractional distillation and separating therein a relatively low-boiling fraction comprising substantially all of said dissolved hydrofluoric acid and a relatively high-boiling fraction containing organic fluorine compounds, passing said high-boiling fraction to a treating zone for removal of organic fluorine compounds from said fraction, said treating zone comprising a plurality of alternate layers of a defluorinating catalyst comprising copperplated iron and a hydrogen fluoride-sorption medium, and removing a resulting effluent substantially free from fluorine compounds from said treating zone.

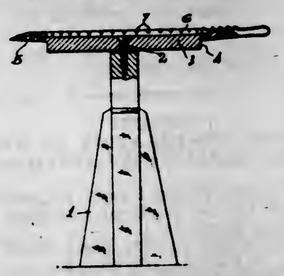
2,481,208
METHOD OF DEHYDROFLUORINATION WITH METALLIC MIXTURES AS CATALYST
Jack F. Eberle, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 26, 1945, Serial No. 637,169
17 Claims. (Cl. 260—683.4)

1. In a process for the alkylation of isobutane with an olefin in the presence of a hydrofluoric acid alkylation catalyst wherein organic fluorine compounds are formed as by-products of said alkylation and contaminate a hydrocarbon alkylation effluent, the method for removing said organic fluorine compounds which comprises separating said hydrocarbon alkylation effluent into a liquid hydrocarbon-rich phase and a liquid hydrofluoric acid-rich phase, passing said hydrocarbon-rich phase containing dissolved hydrofluoric acid and minor proportions of organic fluorine compounds to a fractional distillation and separating therein a relatively low-boiling fraction comprising substantially all of said dissolved hydrofluoric acid and a relatively high-boiling fraction containing organic fluorine compounds, passing said high-boiling fraction to a treating



zone for removal of organic fluorine compounds from said fraction, said treating zone comprising alternate layers of a polymetallic defluorination catalyst and a hydrogen fluoride-sorption medium, said polymetallic defluorination catalyst comprising a solid mixture of a plurality of elementary metals, maintaining a temperature between about 200 and about 300° F. and a pressure between about 200 and about 450 pounds per square inch gage in said treating zone, maintaining a space velocity in liquid volumes of the high-boiling fraction passing through said treating zone per volume of catalyst per hour between about 2 and about 3, and removing a resulting effluent substantially free from fluorine compounds from said treating zone.

2,481,209
HAIRPIN HOLDER
Margaret Farnsworth, Oakland, Calif.
Application November 2, 1946, Serial No. 707,497
3 Claims. (Cl. 132—1)



3. In a hairpin holder, a supporting structure, and a substantially circular disc-like member mounted on the structure, the said member having an inclined upper surface at its outer edge portion for spreading the shanks of a plurality of hairpins removably placed on the said outer

edge portion of the said member, and the said member having a substantially circular abutment on its lower side arranged in substantially concentric relation to the outer edge of the said member, the said abutment being arranged to engage with a shank of each of the hairpins placed on the outer edge portion of the said member, whereby the looped portions of said hairpins may be maintained in a substantially uniform spaced relationship to the outer edge of the member.

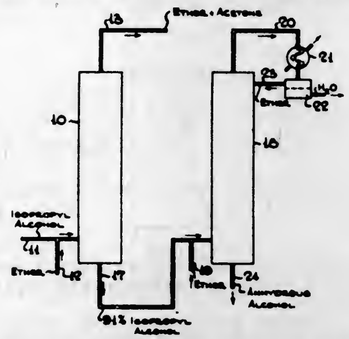
2,481,210
SHOCK ABSORBER
Mearick Funkhouser, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1947, Serial No. 747,988
5 Claims. (Cl. 188—88)



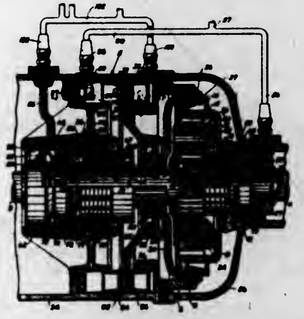
1. An hydraulic shock absorber comprising a cylinder having a head member through which a rod slidably extends, said rod being attached to a piston within the cylinder; a tube closed at one end, surrounding the cylinder and forming a fluid containing reservoir; a cap at the other end of the tube, forming a chamber outside the cylinder head member; a partition interposed between the cap and head member and separating the reservoir from said chamber; means in the cylinder head member and the partition, providing communication between the chamber and the interior of the cylinder; and pipes supported in the partition, providing communication independent of the cylinder between the said chamber and the fluid reservoir beneath the normal level of the fluid therein.

2,481,211
AZEOTROPIC DISTILLATION OF AQUEOUS ISOPROPANOL CONTAMINATED BY ACETONE
Mack C. Fuqua, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 22, 1946, Serial No. 671,581
6 Claims. (Cl. 202—42)

5. In a process of purifying isopropyl alcohol contaminated by a small amount of acetone in aqueous solution thereof, the improvement which comprises subjecting the contaminated aqueous solution of isopropyl alcohol to distillation in a fractional distillation zone with a small amount of admixed isopropyl ether, removing overhead from said zone an azeotropic vapor mixture of acetone with said ether, and withdrawing isopropyl alcohol free of acetone as bottoms from said fractional distillation zone.

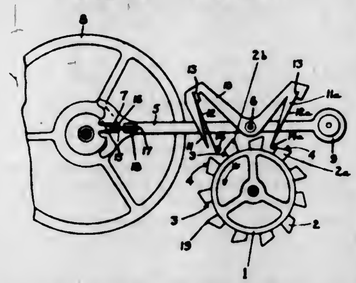


2,481,212
TRANSMISSION
Harry R. Greenlee, Indianapolis, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 8, 1946, Serial No. 681,938
21 Claims. (Cl. 74—792)



20. In a transmission having drive and driven shafts the combination of a planetary gear mechanism having three elements, namely, a sun gear, single planet pinion means, and a ring gear, first fluid pressure responsive clutch means between two of the elements of said planetary gear mechanism adapted when engaged to clutch said two elements together to effect direct drive from said drive shaft to said driven shaft, means for admitting fluid under pressure to said first clutch means to engage the latter, normally inoperative second clutch means between two of said elements of said planetary gear mechanism and said first clutch means including means for conditioning said second clutch means for actuation by said fluid under pressure for effecting actuation of said first clutch means, said second clutch means including means adapted when the same is conditioned for actuation to be actuated by slipping of said first clutch means to maintain said direct drive from said drive shaft to said driven shaft, first fluid pressure responsive brake means associated with one of the elements of said planetary gear mechanism adapted when engaged to brake said one element against rotation to effect reverse drive from said drive shaft to said driven shaft, means for admitting fluid under pressure to said first brake means to engage the latter, normally inoperative second brake means associated with said one element of said planetary gear mechanism and said first brake means including means for conditioning said second brake means for actuation by said fluid under pressure for effecting actuation of said first brake means, and said second brake means including means adapted when the same is conditioned for actuation to be actuated by slipping of said first brake means to maintain said reverse drive from said drive shaft to said driven shaft.

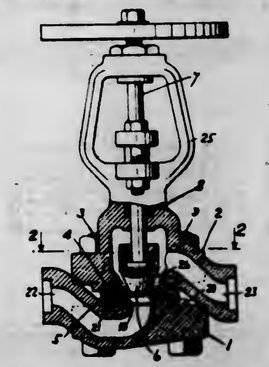
2,481,213
ESCAPEMENT MECHANISM
Thomas Alfred Gummersall, Sunderland, England
Application October 25, 1944, Serial No. 560,246
In Great Britain November 13, 1943
5 Claims. (Cl. 58—116)



1. In an escapement mechanism, an escape wheel having peripheral teeth each of which presents a radial locking face and an inclined impulse face, a pallet member having rigid entrance and departure pallet arms extending therefrom toward said escape wheel and in the same plane as said escape wheel, the extremities of said pallet arms being clear of said teeth at all times, an arbor on which said pallet member is mounted, means for controlling oscillation of said pallet member about the axis of said arbor, a pair of flat pallet springs, each attached at its inner end to the root of one of the pallet arms and projecting at its outer end beyond the extremity of the pallet arm, each of said springs normally diverging away from the pallet arm at the side directed toward the locking faces of the said teeth, the extremities of said springs being so positioned relative to each other and to the teeth of the escape wheel that the locking face of one tooth engages and presses one pallet spring toward its associated pallet arm while the impulse face of another tooth is still in engagement with the other pallet spring.

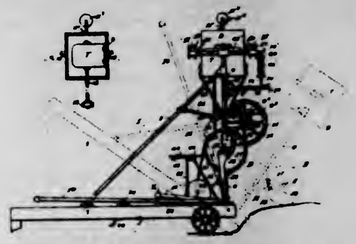
2,481,214
VALVE
Joseph J. Harper, Lansdowne, Pa.
Application February 1, 1945, Serial No. 575,674
4 Claims. (Cl. 251—157)

1. A valve comprising a body constructed in two parts, of which each of the parts is provided with a section of the fluid-way and a generally V-shaped annular recess, a combination seat and seal member comprising an annular seal element of generally oblong sectional shape having the longer principal axis of the element parallel to the axis of said seal element and with the ends of the element beveled to complement the shape of said recess and to engage the same with a wedging action, and an inner annular seat element integrally attached to said seal element, said seal element being positioned between said parts with the ends of the element respectively



engaging said recesses to seal the fluid-way, a plug carried by one of said body parts and engageable with said seat element, and means for detachably holding said parts together under pressure.

2,481,215
APPARATUS FOR GRINDING CULTIVATOR DISKS
Andrew J. Harty, near Bradford, Ill.
Application July 8, 1946, Serial No. 681,895
17 Claims. (Cl. 51—106)

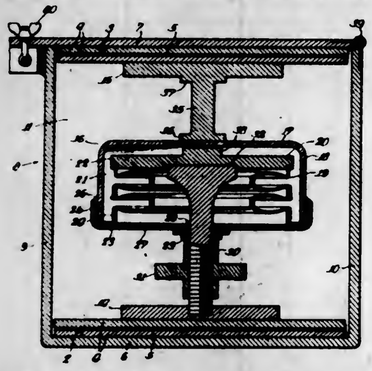


1. In apparatus of the type described, a supporting frame, a suspended rotatable abrading wheel carried by the frame, means supported on the frame adapted to swing in a vertical plane downwardly to a position to receive upon it the shaft of a cultivator disc-gang, said means adapted for moving the received disc-gang to a position adjacent said wheel for receiving abrading action of the same upon a disc of said gang.

2,481,216
PRESSURE AND HEAT-TREATING DEVICE
Walter C. Hasselhorn, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1945, Serial No. 572,689
7 Claims. (Cl. 154—1)

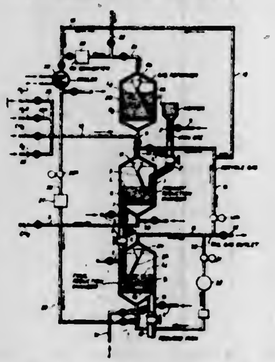
1. Apparatus for curing cementitious material to weld a plurality of members together under pressure comprising a heat treating chamber in which said members are positioned for treatment, opposed walls against which said members are adapted to be pressed upon one another during treatment, a pair of pressure plates acting in opposite directions to press said members upon one

another against said opposed walls, a sealed expansible chamber adapted to contain an expansible fluid and be disposed between said pressure plates, said expansible chamber being subject to



the heat of said heat treating chamber to expand said fluid and connections between said pressure plates and opposite ends of said expansible chamber for transmitting the expansible action of said fluid and said chamber against said pressure plates.

2,481,217
PROCESS FOR A TWO-STAGE GASEOUS REDUCTION OF IRON ORE
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 3, 1947, Serial No. 752,019
2 Claims. (Cl. 75—26)

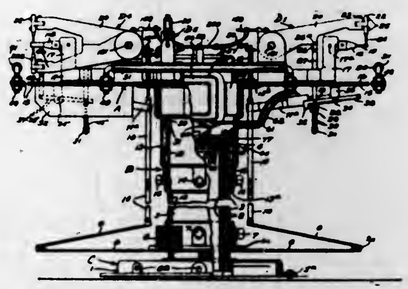


1. The method of reducing oxidic iron ore which comprises subjecting the said ore in the form of a dense, fluidized bed of powdered ore to the influence of a normally gaseous hydrocarbon at elevated temperatures in a first reduction zone, withdrawing the partially reduced ore from the reduction zone and discharging it into a second reduction zone, treating the said ore in the second reduction zone while in the form of a dense, fluidized bed with a gas predominantly hydrogen at elevated temperatures, permitting the ore to remain resident in the second reduction zone for a period of time sufficient substantially to complete the reduction of said ore and recovering from said second reduction zone a product comprising the original ore in metallic state.

2,481,218
METHOD OF CURING STORAGE BATTERY PLATES
Alva L. Hindall, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application March 22, 1943, Serial No. 479,992
4 Claims. (Cl. 136—33)

1. The manufacture of storage battery plates which comprises; pasting the plate with the paste comprising as a major ingredient an aqueous reaction mixture of yellow litharge, red litharge, metallic lead and sulphuric acid, said ingredient including colloidal lead compounds which are readily convertible to basic lead sulphate and which contain in excess of 9% moisture; drying the pasted plate for about fifteen minutes for reducing the moisture content of the plate paste to approximately 9% by weight and then subjecting the plate to a moisture charged atmosphere at a temperature and for a time about twice the aforementioned drying time for causing crystalline basic lead sulphate to be formed from the colloidal lead compounds and simultaneously cause the plate paste to be cured to a rugged structure firmly attached to the plate.

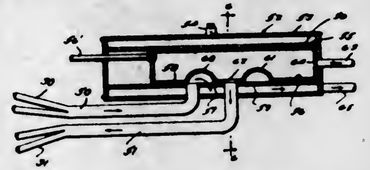
2,481,219
ELECTRIC WELDING
Henry S. Holmes, Arlington, Mass., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 663,364
6 Claims. (Cl. 219—4)



1. Electric welding apparatus of the kind described comprising in combination a rotatable central support member, a welding transformer located on the support member, a work table secured to said support member, a plurality of welding heads located on said work table, a lower support plate secured to said central support member, and a plurality of foot pedals secured to said support plate, one for each welding head, the corresponding foot pedals and welding heads being operatively connected together and movable as a unit.

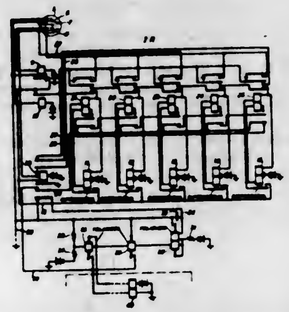
2,481,220
FLUID TRANSMISSION SYSTEM
Isedor Iverson and Simon M. Simonson, McGregor, Minn.
Application March 15, 1946, Serial No. 654,633
1 Claim. (Cl. 60—53)

In a fluid drive system including a reversible rotary fluid motor, a fluid pump, a pair of conduits leading from opposite sides of said pump, and a second pair of conduits leading from opposite sides of said motor, the improvement comprising a control valve for said motor, said valve comprising a hollow casing, a tubular sleeve concentrically carried by said casing inwardly thereof whereby to provide a space therearound, a hollow cylindrical slide slidable within said sleeve, one of said first-named conduits being in direct communication at all times with the interior of said slide, the other of said first-named conduits being in direct communication with said space at all times, said sleeve being formed with first, second, third, fourth and fifth ports therethrough in longitudinal spaced alignment, said second-named pair of conduits being in open communication with said second and fourth ports at all



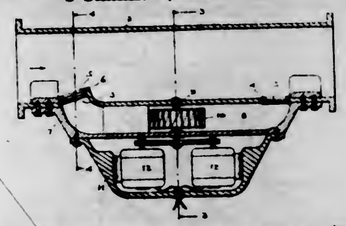
times, said slide being formed with a pair of inwardly-directed guides in longitudinally-spaced alignment, said guides comprising bridging channels each adapted to span two of said ports to connect the same, said slide being formed with a port therethrough intermediate said guides and in spaced alignment therewith, said last-named port being adapted to be selectively registerable with said second, third and fourth ports of said sleeve with at least one of said guides bridging at least one adjacent pair of said remaining ports, whereby to provide respectively forward, neutral and reverse positions of said slide, and means for moving said slide to a selected position.

2,481,221
SIGNALING SYSTEM
Ames E. Joel, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,276
15 Claims. (Cl. 177—380)



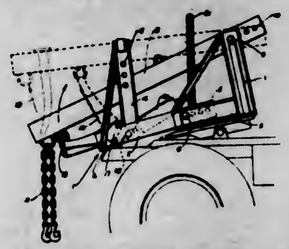
12. An impulse repeating arrangement comprising impulse receiving means responsive to a train of current impulses, means for transmitting a train of current impulses corresponding to the received train, and means for initiating said transmission when a predetermined plurality of impulses have been received or for initiating said transmission after the last impulse of a train of impulses of less than said predetermined number has been received.

2,481,222
TURBOGENERATOR
John Paul Jones, Toronto, Ontario, Canada
Application May 9, 1945, Serial No. 592,901
3 Claims. (Cl. 290—52)



1. A turbo generator unit comprising a tubular pipe-like member defining a main fluid flow passage having spaced outlets in the wall thereof, closure valves for said outlets, a casing detachably connected to said tubular member and extending between said outlets to form in combination with the outside wall of said tubular member a secondary fluid flow passage in parallel with said main fluid flow passage, a turbine mounted on a shaft in said casing and operated by the fluid flow in said secondary passage, said shaft projecting through said casing, a second casing detachably connected to said first-mentioned casing, and electric generating means secured within said second casing and operatively and detachably connected with said turbine shaft, said second casing being removable to permit access to said generating means, and said first-mentioned casing being removable with fluid flow through the main fluid passage upon closure of said valves to permit access to said turbine.

2,481,223
HOIST AND TOW MECHANISM
Bennett M. Johnson, Des Moines, Iowa
Application June 14, 1946, Serial No. 676,782
14 Claims. (Cl. 214—86)

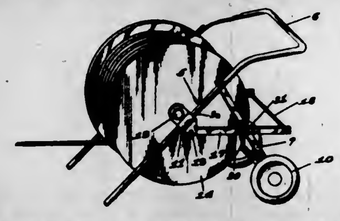


1. A hoist mechanism comprising a base made in two sections pivotally secured together and adjustable horizontally to vary the length of the base, upright members attached to each section of the base, a boom pivotally connected to one of the upright members, means for raising and lowering the boom associated with the base sections and means associated with the second upright member to lock the boom in the desired upward position when raised.

2,481,224
REEL TRUCK
Alexander A. Jeswick, Bayonne, N. J.
Application February 28, 1946, Serial No. 650,840
2 Claims. (Cl. 242—57)

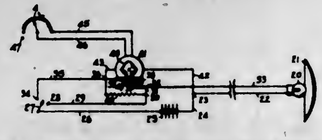
2. A reel truck comprising an axle having a pair of wheels journaled thereon, a pair of bars pro-

jecting in parallelism from the axle, a U-shaped handle including a pair of spaced parallel side members and having a closed rear end, said bars being pivoted at one end to an intermediate portion of said side members of the handle, bearings carried by said side members forwardly of the pivots of said pair of bars and adapted for rotat-



ably supporting a reel thereon, a U-shaped locking bar pivoted to said side members forwardly of the pivots of said pair of bars, and a protuberance projecting from at least one of said pair of bars intermediate its ends and adapted for engagement by the locking bar to support the reel in an elevated position on the wheels of the truck.

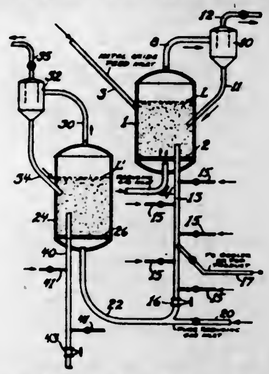
2,481,225
FOG PENETRATING DEVICE
Robert Lee Kaye, Newark, N. J.
Application March 7, 1947, Serial No. 733,242
3 Claims. (Cl. 315—82)



1. The combination of a vehicle with a lamp mounted thereon and positioned to illuminate the path of said vehicle, cyclically operable means controlling the effective illumination of the vehicle path by said lamp and causing said illumination to vary sufficiently in amplitude and at a cyclic rate to maximize the contrast between illuminated objects which are relatively good reflectors of incident light and illuminated objects which are relatively good absorbers thereof.

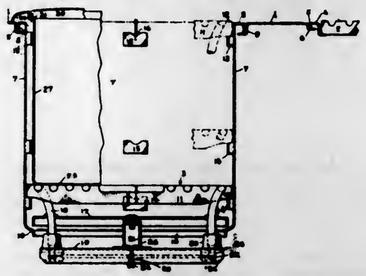
2,481,226
TWO-STAGE REDUCTION PROCESS FOR PRODUCING METAL CATALYST
Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 17, 1945, Serial No. 622,930
4 Claims. (Cl. 75—26)

1. The method of reducing a heavy metal oxide of the class consisting of iron oxide and cobalt oxide at elevated temperatures and under at least atmospheric pressure to form a catalyst material, which comprises forming the catalyst material in powdered form into a fluidized mass in a first reduction zone and treating it therein with an impure hydrogen gas containing water vapor, supplying the said gas to the reducing zone at a lower point thereof and causing it to flow upwardly in the said reducing zone at a low superficial velocity, so as to form the said fluidized mass having an upper dense phase level, permitting the said metal oxide material to remain resident in the reaction zone for a period of time sufficient to effect a major portion of the reduction, effecting separation of the main bulk of the catalyst material in the upper portion of said reducing zone by delayed settling, withdrawing the gaseous products of the reduction, substantially freed of solids, from an upper portion of said reduction zone, withdrawing from a lower point of said fluidized mass, through an aerated column, the at least partly reduced heavy metal oxide and causing it to flow into a second reduction zone, forming the partially reduced metal oxide into a second fluidized mass in said second reduction zone, causing substantially anhydrous hydrogen to be discharged into a lower



portion of said second reduction zone and causing the said hydrogen to flow upwardly in said second reduction zone at a superficial velocity so as to form said fluidized mass having an upper dense phase level, permitting the catalyst material to remain in the said second reduction zone for a sufficient period of time substantially to complete the reduction, effecting separation of the main bulk of the catalyst material in the upper portion of said reducing zone by delayed settling, withdrawing vapors from said second zone substantially freed of solids, and recovering from said second reduction zone, substantially completely reduced catalyst material.

2,481,227
ELECTRIC RANGE
Kuno Robert Kuenne, Oconomowoc, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 13, 1945, Serial No. 572,625
3 Claims. (Cl. 219—37)



1. In a device of the character indicated, in combination with the cocking top of a range having cooking holes therein, a jacket of heat

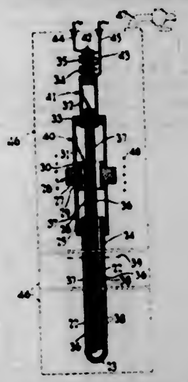
resistant sheet material mounted in fixed position adjacent to and surrounding one of said holes and extending below the same a distance sufficient to receive a deep cooking vessel, a plurality of inwardly projecting members on the jacket spaced apart and located around more than half of the circumference of said jacket at upper and lower levels thereof and provided with portions for engaging with members fixed to and projecting laterally from an electric heating unit, an electric heating unit in said jacket movable vertically therein from the upper to the lower part thereof, lateral projections on said unit spaced apart to correspond with the spacing of said jacket members and adapted to be received and held thereby and being releasable therefrom by lifting movement, said unit being rotatable in said jacket and movable up and down therein when said projections are disengaged, said jacket projections being positioned and arranged to engage and secure in position said unit through said unit projections, which are constructed to have angular movement therewith, when the upper surface of the unit is substantially at the level of the said top and said projecting jacket members also arranged to contact a cooking vessel in the jacket and space it from the latter and insulate it uniformly throughout its circumference from and provide a heat circulating chamber between said vessel and jacket.

2,481,228
PORTABLE ELECTRIC REFRIGERATOR
Alice M. Layne, Detroit, Mich.
Application September 1, 1945, Serial No. 614,853
2 Claims. (Cl. 62—89)

1. In a device of the type described, walls defining a generally circular food chamber, a compressor chamber at one side thereof, and a condenser chamber at the opposite side thereof, all of said chambers being provided with means of access thereto, a freezer unit in said food chamber, a compressor unit in said compressor chamber connected to said freezer unit, a condenser unit in said condenser chamber connected to said freezer unit, and to said compressor unit and a carrying handle on the top of said food chamber intermediate the compressor and condenser chambers.

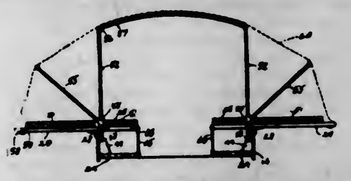
2,481,229
ELECTRICAL HEATING ELEMENT
Gerhard Lewin, Geneva, Ill., assignor to American Electro Metal Corporation, Yonkers, N. Y., a corporation of Maryland
Application December 6, 1944, Serial No. 566,851
3 Claims. (Cl. 201—67)

1. An electrical heating element adapted for use at high operation temperatures above about 900° C., substantially comprising, in combination, a heating portion and at least one leading-in portion for the heating current, said heating portion including a tubular cover of highly refractory, electrically insulating and gas-tight material and within said cover an electrical resistor, such as a wire, of metal or metal alloy of a melting temperature considerably above operation temperature, as exemplified by a chromium-nickel alloy, tungsten, molybdenum, platinum, iridium, osmium and their alloys, said leading-in portion including at least one tubular metal body forming one terminal and another electrode terminal insulated from said tubular body, an electrical con-



nection within said body between one end of said resistor and said electrode, another electrical connection between said body and the other end of said resistor, said heating and leading-in portions gas-tightly connected and sealed so as to confine gas-tightly the space in which said resistor and connections are enclosed, and an essentially metallic getter material of a melting temperature exceeding the highest operation temperature arranged within said confined space near said resistor.

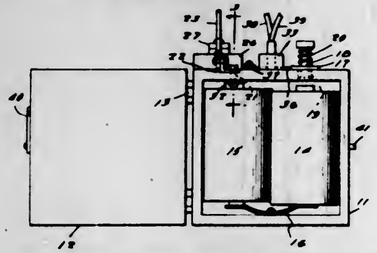
2,481,230
VEHICLE TRAILER
William B. MacDonald, Jr., Chicago, Ill.
Application April 8, 1946, Serial No. 660,374
2 Claims. (Cl. 296—23)



1. A vehicle of the class described in which there is a body portion providing a storage compartment and side panels providing a cover for the storage compartment and hinged thereto for positioning in a horizontal plane laterally of the body portion, a flexible cover for said body portion having its long edges connected to the outer edges of said panels and adapted when collapsed to be disposed in a folded condition within the storage compartment beneath said panels when said panels are disposed over said storage compartment, a collapsible supporting structure for said flexible cover comprising two confronting sections each comprising a frame bar substantially U-shaped in side elevation with end portions pivotally connected to the body portion, means providing said pivotal connection, a top bar substan-

tially U-shaped in plan view and pivotally connected to the frame bar, a side bar substantially U-shaped in side view and pivotally connected to the frame bar, said side bar and said top bar being adapted to be positioned parallelly with respect to the frame bar and said frame bar with said side bar and top bar disposed in said parallel relation with respect thereto being adapted to be pivoted to a position within said storage compartment beneath said flexible cover when the latter is disposed in said compartment.

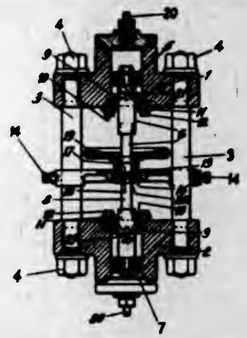
2,481,231
SAFETY DEVICE FOR SETTING OFF EXPLOSIVE CHARGES
Russell G. Martin, Russellville, W. Va.
Application September 19, 1947, Serial No. 774,924
3 Claims. (Cl. 175—115)



1. A portable shot firer comprising an insulated box-like casing having top and bottom walls, a pair of vertically disposed dry battery cells arranged in inverted, side by side position in said casing and substantially filling the space between said top and bottom walls, a conductive spring on said bottom wall bridging the terminals on the lower ends of said cells, a spring retracted plunger contactor mounted on and operating through said top wall, said contactor being arranged to engage the upper terminal of one of said cells when depressed, a pair of laterally spaced lever contactors pivotally mounted on said top wall to swing inwardly toward each other from outward starting poistions, a bridging block mounted on said top wall between said levers, spring means normally yieldably maintaining said levers in their outward starting positions in which said levers are out of contact with said bridging block, a conductive spring on the underside of said top wall engaging the upper terminal on the other of said pair of cells and connected to one of said lever contactors, a pair of jacks mounted on said top wall, and means severally connecting the remaining lever contactor and said plunger contactor with said jacks, whereby an electrical detonator connected to said jacks can be detonated only while said plunger contact is held in depressed position and both of said lever contactors are held inwardly against said bridging block.

2,481,232
POWDER METALLURGY
Norman Clement Moore, Plumpton, near Towcester, England, assignor to The Plessey Company Limited, Ilford, England, a British company
Application June 27, 1945, Serial No. 601,736
In Great Britain June 23, 1944
1 Claim. (Cl. 75—0.5)

Apparatus for the production of powder compacts comprising in combination an upper fluid operated press tool, a lower fluid operated press tool, stationary spacing members adapted to support the respective upper and lower press tools in co-axial alignment, a transverse bracket provided with a central threaded aperture adjustably connected to said spacing members, a cylindrical mould provided with a downwardly



tapering aperture and an external thread, said mould being located in the central aperture in said transverse bracket and the upper and lower press tools co-operate with opposite ends of the aperture in said mould, and a wheel attached to said mould for rotating same relatively to said transverse bracket.

2,481,233
TUCK POINTER'S HAWK
Palmer J. Morset, Chicago, Ill., assignor of one-half to Sanford Levine, Chicago, Ill.
Application April 25, 1947, Serial No. 743,869
3 Claims. (Cl. 72—135)



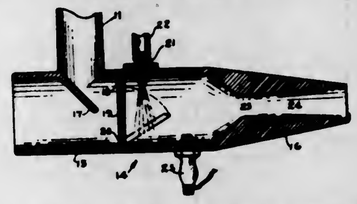
1. A tuck pointer's hawk comprising a body plate, two U-shaped legs formed from a continuation of opposite sides of said body plate, two overlaps consisting of extensions of said legs, said overlaps being parallel and adjacent and attached to the under side of said body plate, and a hollow tubular handle secured at its ends to said legs.

2,481,234
COMBINATION SHADE AND CURTAIN HOLDER
Anthony Alexander Ogrydziak, Baltimore, Md.
Application August 25, 1947, Serial No. 770,517
2 Claims. (Cl. 248—254)



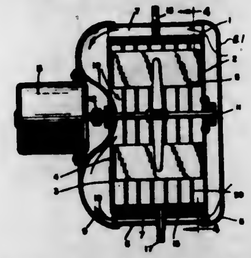
1. A window fixture comprising an anchor plate, a window shade supporting bracket carried by said plate and projecting outwardly from the outer face thereof, an arm fixed to and projecting outwardly from the outer face of said anchor plate, a block fixed to said arm having a socket provided therein, a curtain rod supporting arm having one end positioned in said socket, a set screw carried by said block engaging the end of said curtain rod supporting arm in said socket, and means carried by said plate for supporting the same parallel to the outer face of a window casing said means including a bearing member, and bendable arms carried by said bearing member, said anchor plate having openings receiving said bendable arms.

2,481,235
ROTARY JET-ACTUATED MOTOR
Ralph G. Parr and Samuel D. Parr, Auburn, Wash.
Application June 18, 1946, Serial No. 677,442
3 Claims. (Cl. 60—41)



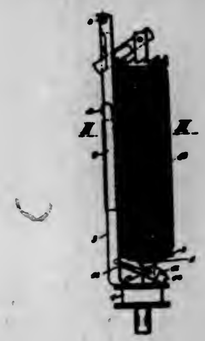
1. A rotary engine adapted to be rigidly connected with a rotatably mounted shaft including a centrally located air chamber, a hollow arm radially extending from the chamber and a nozzle firmly connected with the arm and extending at right angles thereto, the hollow arm being adapted to conduct air from the centrally located chamber into the front portion of the nozzle, a valve arranged inside the nozzle rearwardly of the air inlet, a fuel inlet in the wall of the nozzle rearwardly of the valve, and a spark plug extending through the nozzle wall rearwardly of the fuel inlet, and a baffle inside the nozzle and adapted to direct air flowing through the hollow arm toward the valve and through the valve past the fuel intake to mix with the fuel entering there.

2,481,236
HEAT-EXCHANGING BLOWER
William G. Patterson, Chicago, Ill.
Application November 21, 1946, Serial No. 711,399
1 Claim. (Cl. 257—244)



A heat exchange device comprising a hollow walled volute casing closed on one side and having an air inlet on its opposite side and a tangential air outlet, an impeller mounted for rotation within said casing on the axis thereof, a plurality of radial fins extending axially on the outer surface of said volute casing, said fins being curved axially from the closed side of said casing in the direction of rotation of said impeller, and a housing surrounding said casing and spaced therefrom, said housing having an air inlet on the side adjacent the closed side of said casing, and said casing having inlet and outlet conduits for a heat conducting fluid communicating with the space within its hollow wall.

2,481,237
SPINDLE FOR BRAIDING LOOMS
Nazaire Philippsen, Wauthier-Braine, Belgium, assignor to Filature & Tressage Vanhaem, Société Anonyme, Wauthier-Braine, Belgium, a company
Application February 12, 1948, Serial No. 7,851
In Belgium February 26, 1947
6 Claims. (Cl. 87—28)



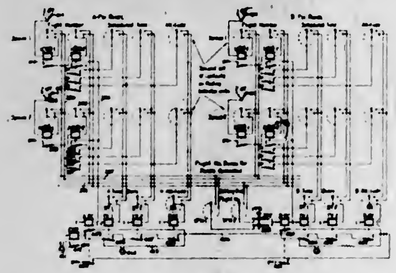
1. A spindle for a braiding loom, comprising: a foot having an upper plate, a central bobbin-carrying post extending upwards from the foot, a rockable body mounted immediately above the upper plate of the foot, one end of the rockable body being so weighted that it normally rests upon the upper plate of the foot, the other end of the rockable body normally being raised, and the rockable body being capable when rocked out of this normal position of causing the stoppage of the loom, a thread-tensioning element adapted to be supported by thread passing from the bobbin, and a lateral post extending upwards from one side of the foot adjacent the rocking body and serving as a guiding means for causing the thread-tensioning element, in the event of breakage of the thread or exhaustion of the bobbin, to fall on to the raised arm of the rockable body and thereby rock the said body.

2,481,238
PROCESS OF PREPARING A GROUP VIII METAL-ON-ALUMINUM CATALYST
Jerry A. Pierce and Roger W. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application November 15, 1946, Serial No. 710,232. Divided and this application September 24, 1947, Serial No. 775,975
3 Claims. (Cl. 252—466)

1. Improved process for the preparation of catalysts suitable for use in hydrocarbon synthesis operation which consists essentially of precipitating a metal from the group consisting of iron, cobalt or nickel from its aqueous salt solution upon sub-divided aluminum by contacting said solution and said aluminum during a period of from about 15 to 30 minutes, remov-

ing the solution and recovering the catalyst comprising an aluminum base and the catalytic metal precipitated thereon.

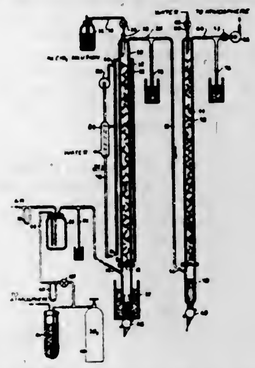
2,481,239
AIRWAY TRAFFIC CONTROLLING SYSTEM WITH VERIFICATION OF COMMUNICATED MESSAGES
Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Original application March 31, 1944, Serial No. 528,926. Divided and this application October 17, 1946, Serial No. 703,764
12 Claims. (Cl. 177—353)



1. In an airways traffic control system, the combination with a flight progress board having rows of changeable indicators for posting flight data, each of said indicators including position contacts selectively closed in the different indicating positions of that indicator, a set of buses for each group of like indicators in the several rows, circuit controlling means for selectively energizing said sets of buses in accordance with the data for a flight schedule as reported by a pilot, circuit means for rendering effective the position contacts for the changeable indicators for any selected row only one row at a time, and means responsive to the energization of said circuits including a single correspondence relay for each of said sets of buses and effective only if all of the data reported by the pilot as set up by said circuit controlling means conforms with the position of the indicators of the flight progress board then rendered effective.

2,481,240
METHOD FOR PRODUCING CHLORINE DIOXIDE
William Howard Rapson and Morris Wayman, Hawkesbury, Ontario, Canada, assignors to Canadian International Paper Company, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application January 11, 1946, Serial No. 640,592
8 Claims. (Cl. 23—152)

2. A continuous process for the production of gaseous chlorine dioxide by the reaction between gaseous sulphur dioxide and an aqueous solution of sodium chlorate, consisting in the steps of supplying a continuous stream of an aqueous solution of sodium chlorate to a packed reaction column at such a rate as to distribute said aqueous chlorate solution over the surfaces of the packing in said reaction column, countercurrently supplying a continuous stream of gaseous sulphur dioxide and an inert diluent gas to said reaction column to bring said sulphur dioxide into contact with the surface of the aqueous chlorate solution distributed over the packing in said column, employing a heat exchanging medium to cool said packed column in the zone of greatest reaction, continuously moving said heat exchanging medium along said packed column from the zone of great-

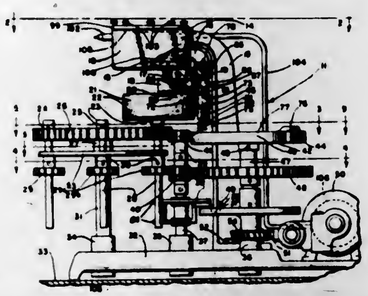


est reaction to the zone of efflux of spent liquor whereby to transfer heat from said first zone to said second zone, and continuously withdrawing from said reaction column a gaseous mixture containing chlorine dioxide and said inert diluent gas.

2,481,241
METHOD FOR REMOVING CHLORINE FROM MIXTURES CONTAINING CHLORINE DIOXIDE AND CHLORINE
William Howard Rapson and Morris Wayman, Hawkesbury, Ontario, Canada, assignors to Canadian International Paper Company, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application February 15, 1946, Serial No. 647,994
9 Claims. (Cl. 23—152)

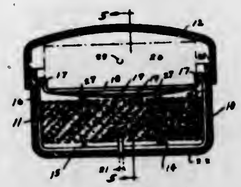
1. In a process for the removal of chlorine from a gaseous mixture containing chlorine dioxide, chlorine and water vapor, the step of adding to said gaseous mixture gaseous sulphur dioxide.

2,481,242
CAKE ICING MACHINE
George Reget, St. Albans, N. Y.
Application October 25, 1948, Serial No. 56,460
6 Claims. (Cl. 91—2)



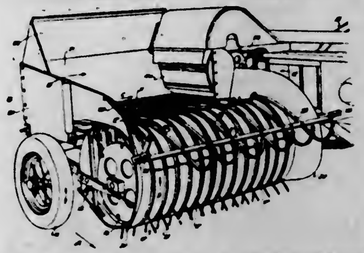
1. A machine of the character described comprising, a base, a motivating shaft mounted rotatably on said base, a cam mounted on said motivating shaft, a driving gear mounted on said motivating shaft, a segmental gear mounted on said motivating shaft, an intermediate shaft mounted on said base, an intermediate pinion mounted on said intermediate shaft in meshing engagement with the said driving gear, a second intermediate pinion mounted on the said intermediate shaft in meshing engagement with the said segmental gear, arresting means slidably engaging the said intermediate shaft and provided with a roller in engagement with the said cam and further provided with arresting extensions, a driven shaft mounted on the said base, a cake supporting table mounted on said driven shaft and provided with peripheral gear teeth in meshing engagement with the said second-mentioned intermediate pinion, a multiplicity of cake supporting units rotatably mounted in the said cake supporting table, each of the said cake supporting units provided with a driven pinion alternately engageable in meshing relationship with the said first-mentioned intermediate pinion, each of the said cake supporting units having their mounting shafts extended so as to be arrested alternately and releasably by the said arresting extensions, cake icing fountain means supported on said base above the said cake supporting table, valve means connected to the said cake icing fountain means, icing spreader means made up of two branches in angular relationship connected to the said fountain means through the said valve means and arranged to spread icing on the top and peripheral surfaces of a cake supported on one of the said cake supporting units, prime mover means connected to the said motivating shaft, automatic valve control and spreader control means connected to the said icing spreader means and the said valve means and provided with cam follower means, segmental cam means encompassing the toothed portion of the said segmental gear for actuating the said follower means, pump means connected to the said prime mover means, and piping means interconnecting the said cake icing fountain means to the said pump means.

2,481,243
SOAP CONTAINER
Myrtle F. Robinson, Baltimore, Md.
Application February 12, 1946, Serial No. 647,091
1 Claim. (Cl. 45—28)



A detergent receptacle comprising in combination an adjustable casing, a wire cage inserted in the casing and extending along the side and bottom walls thereof to form an open structure, adapted to hold a sponge for absorbing the detergent drippings within the cage and supporting a bar of soap on the top of the cage and spaced away from the sponge, said cage having its upper structure bent in a concave form running longitudinally and transversely for facilitating the said spacing between the sponge and detergent and providing an air space therebetween.

2,481,244
MOVABLE BELT CONVEYER
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 13, 1945, Serial No. 582,501
4 Claims. (Cl. 198—190)



1. In a conveyor, a deck, an active element including an upwardly open channel member disposed above said deck, and a length of chain of the character provided with a series of central projecting hinge portions, and a web projecting at each side of said hinge portions, said chain being positioned on said channel in a manner such that the projecting hinge portions extend downwardly into the channel and the side webs rest on the upwardly directed edges of the channel, and means for moving the chain in the desired direction.

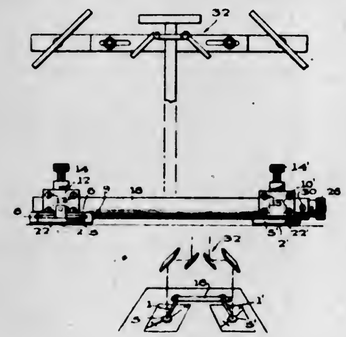
2,481,245
TEMPERATURE CONTROL FOR HIGHLY EXOTHERMIC REACTIONS
Walter G. Scharmann, Westfield, and Karl J. Nelson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 4, 1943, Serial No. 497,354
3 Claims. (Cl. 260—580)

1. The method of continuously reducing aromatic compounds to the corresponding aromatic amines which comprises providing a reaction zone containing a plurality of spaced beds of a hydrogenation catalyst, continuously introducing into the top of the reactor an aromatic nitro compound, hydrogen and a large quantity of liquid water, causing said mixture to flow through the reaction zone whereby at least a portion of the aromatic nitro compound is reduced to the corresponding aromatic amine, injecting additional hydrogen gas into the reaction zone at points spaced between the catalyst beds whereby the vaporization of the water is accelerated and whereby the tendency for the reaction temperature to exceed a desired maximum is retarded, maintaining a temperature between 400° and 500° F. and pressures above the vapor pressure of the water at the reaction temperature, maintaining sufficient water in said reaction zone to absorb excess heat by vaporization of the water, the water being in such excess that some liquid water is maintained in the reaction zone and recovering aromatic amines and water from the reaction zone.

2,481,246
DEVICE FOR USE IN CONSTRUCTING MAPS FROM AERIAL PHOTOGRAPHS
Eugene J. Schlatter, Washington, D. C.
Application February 9, 1945, Serial No. 577,095
7 Claims. (Cl. 23—189)

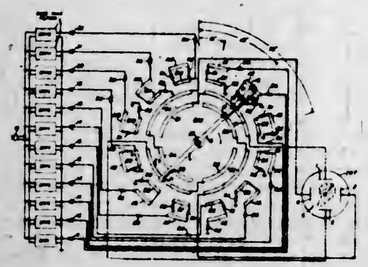
7. A device for use in constructing maps from aerial photographs and employing the floating

dot principle in operation, comprising a base consisting of a bar and two surface-engaging members longitudinally slidable thereon, adjustable resilient arms associated with and extending at right angles to said bar from each of said surface-engaging members, transparent members at the



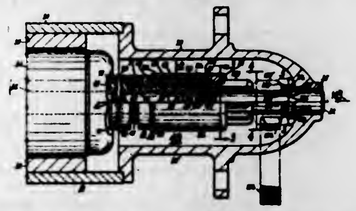
outer end of each arm carrying a small indicia dot, needle-point marking means coincident with and disposed immediately beneath said data, means for vertical adjustment of said arms, means for adjusting the distance between the arms, and means on one of said arms for adjusting the distance between the dot and the bar.

2,481,247
VISUAL REPRESENTATION OF COMPLEX WAVES
Lionel Schott, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1946, Serial No. 702,379
9 Claims. (Cl. 179—1)



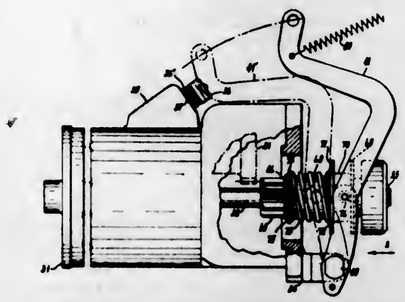
1. In combination with a receiver of complex waves, a multiplicity of frequency selective means for separating the received waves into a corresponding multiplicity of component frequency bands, an oscilloscope including means for producing an energy ray and two deflectors adapted to deflect the ray in respective different directions, and means including a commutative connector between said selective means and said deflectors for deflecting said ray in a multiplicity of different directions in cyclically repeated succession and, in each said direction, to an extent dependent on the intensity of the waves in a respectively corresponding component band.

2,481,248
ENGINE STARTING APPARATUS
Paul L. Schneider, Harold J. Cromwell, and Dennis W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1948, Serial No. 28,197
5 Claims. (Cl. 74—7)



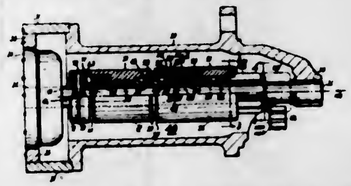
1. An engine starter comprising an electric motor having a shaft, a screw supported by the shaft and driven thereby, a pinion supported by the shaft for axial movement into mesh with the gear of an engine to be started; a nut threadedly engaging the screw, a sleeve which is moved axially by the nut and which has axial lost motion connection with the pinion and which has a longitudinal spline connection with the pinion, a spring for transmitting motion from the sleeve to the pinion in a direction to move the pinion toward the gear, a clutch spring having its end turns normally in frictional engagement with the nut and sleeve and which wraps itself about the nut and sleeve in response to a rotative movement of the nut relative to the sleeve in the engine starting direction of rotary movement of the pinion; and an abutment provided by the shaft for engagement by the pinion when fully meshed with the engine gear whereby, after said axial lost motion is taken up, the screw and nut rotate together as a unit.

2,481,249
ENGINE STARTER DRIVE
Paul L. Schneider and Dennis W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 29, 1948, Serial No. 24,026
2 Claims. (Cl. 74—6)



1. An engine starter drive for mounting upon a starting motor shaft and comprising an overrunning clutch having a driving shell adapted for attachment to the starting motor shaft and having roller receiving pockets and having a driven cylinder adapted to be supported by the shaft, and having rollers in said pockets for transmitting motion in one direction from the shell to the cylinder, a pinion slidable on said shaft into mesh with a gear of the engine to be started, a first sleeve attached to the pinion and provided with external, longitudinal splines, a second sleeve attached to the driven cylinder and having internal splines engaging the external splines of the first sleeve, a third sleeve surrounding the other sleeves and attached to the pinion and having an external annular flange located adjacent to the clutch, a collar surrounding the third sleeve and having an external annular flange spaced from the flange of the third sleeve, the space between the external flanges receiving a shifting element, a spring surrounding the third sleeve and engaging the collar and means for transmitting pressure from the spring to the pinion.

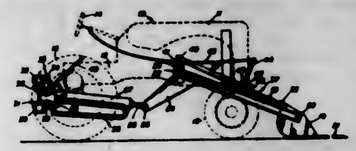
2,481,250
ENGINE STARTING APPARATUS
Paul L. Schneider and Dennis W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 20, 1948, Serial No. 28,198
5 Claims. (Cl. 74—7)



1. An engine starter comprising an electric motor having a shaft, a screw supported by the shaft and driven thereby, a pinion supported by the shaft for axial movement into mesh with the gear of an engine to be started; a nut threadedly engaging the screw, a sleeve which is moved axially by the nut and which has axial lost motion connection with the pinion and which has a longitudinal spline connection with the pinion, a spring for transmitting motion from the sleeve to the pinion in a direction to move the pinion toward the gear, a clutch spring having its end turns normally in frictional engagement with the nut and sleeve and which wraps itself about the nut and sleeve in response to a rotative movement of the nut relative to the sleeve in the engine starting direction of rotary movement of the pinion, and an abutment provided by the screw for engagement by the nut whereby the screw and nut rotate together as a unit to rotate the pinion through the clutch spring while the pinion is fully meshed with the engine gear.

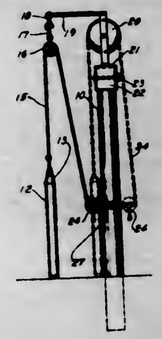
2,481,251
MANURE LOADER
Alyerd W. Severin, Sheboygan Falls, and Marvin H. Feldmann, Plymouth, Wis.
Application August 1, 1947, Serial No. 765,310
1 Claim. (Cl. 214—140)

In combination with a tractor including a driver's seat, a chassis frame, front steering wheels, rear traction wheels driven through a transmission and differential, a rear power take-off, and a rear drawbar support, parallel arms disposed longitudinally of and adjacent opposite sides of the forward portion of the tractor and pivoted at their rear ends to the chassis frame forwardly of the rear wheels and rearwardly of the front wheels for vertical swinging movement, said arms projecting forwardly beyond the front of the tractor, a bucket pivotally mounted between the forward ends of said arms to turn forwardly by gravity about a transverse horizontal axis to dumping position, other arms rigid with and extending downwardly from the rear ends of the first-named arms at an obtuse angle to the latter and to points forwardly of the rear wheels, a hydraulic motor for raising and lowering the first-named arms and the bucket disposed longitudinally of and beneath the rear portion of the tractor midway between the sides of the latter, said motor including a cylinder pivoted at its rear end to the drawbar support and a piston rod pivotally connected at its forward end to the lower ends of said other arms, short links pivoted at and extending upwardly from the pivots of the



first-named arms, telescopic links connecting the upper ends of said short links to the bucket above the first-named arms, means including latches to hold said telescopic links in collapsed position to keep the bottom of the bucket substantially parallel with the ground, a pull cord connected to said latches for releasing the same from the driver's seat to permit forward turning of the bucket to dumping position when raised with the first-named arms, a pump mounted on the rear of the tractor and operatively connected to the power take-off to supply fluid under pressure for operating said hydraulic motor, means to control the operation of said hydraulic motor from the driver's seat, and vertical guide bars rigidly secured to opposite sides of the chassis frame near the front of the tractor in position for the first-named arms to ride up and down against their outer faces.

2,481,252
SIGN HOISTING DEVICE
Konstantine G. Skrumbelles, Wayne, Mich.
Application September 8, 1945, Serial No. 614,749
1 Claim. (Cl. 254—145)



A portable sign hoist comprising a socket adapted to be mounted on the upper end of a sign post, a pulley frame extending axially from the upper end of the socket, a pulley mounted in the frame to rotate about a horizontal axis, an arm extend-

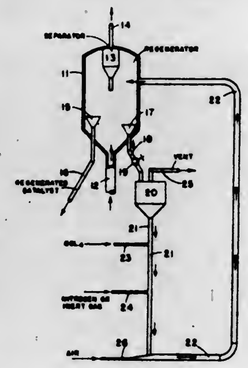
ing outwardly from the upper end of the frame along an axis which lies perpendicular to the axis about which the pulley rotates, an eye depending from the end of the arm remote from the pulley frame, a pulley detachably suspended from the eye, a yoke adapted to be clamped to the sign post intermediate its upper and lower ends, a winch mounted in the yoke to rotate about a horizontal axis, a flexible hoist cable coupled at one end to the winch and adapted to be trained over one or the other of said pulleys, and a sign lifting ball detachably coupled to the end of the cable remote from the winch.

2,481,253

METHOD OF REMOVING CONTAMINANTS FROM CRACKING CATALYSTS

Joseph A. Snyder, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application September 19, 1947, Serial No. 775,015
1 Claim. (Cl. 196—52)



In a catalytic cracking process wherein finely divided solid silica-alumina catalyst is intimately contacted with hydrocarbons in a cracking zone under conditions to cause cracking of at least a portion of the hydrocarbons and wherein said catalyst is withdrawn from the cracking zone to a catalyst regeneration zone, the steps of contacting the catalyst with a hot combustion supporting gas in the regeneration zone, withdrawing a substantial portion of the catalyst from the regeneration zone and contacting it with vaporized carbon tetrachloride under anhydrous conditions at a temperature in the range of 600° to 1200° F. to remove metallic compounds therefrom, separating at least a major portion of the vaporized carbon tetrachloride from the treated catalyst, subsequently returning the contacted catalyst to the catalyst regeneration zone and recycling catalyst from the catalyst regeneration zone to the cracking zone.

2,481,254

RETICULE FOR FIREARM TELESCOPES

Theodore W. Stein, Butte, Mont.

Application July 16, 1948, Serial No. 39,070
3 Claims. (Cl. 33—50)

1. In a telescope reticule having a pair of cross hairs disposed substantially perpendicular to each other, substantially in a common plane and crossing over each other adjacent their mid-length locations, and a minute sphere secured to said cross hairs at their cross over point, the improvement which comprises having said sphere secured to said cross hairs so that substantially all of its volume is one side of said common plane.

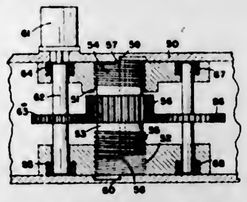


2,481,255

INDEX DEVICE FOR ROTATING BODIES

Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application August 16, 1946, Serial No. 690,945
3 Claims. (Cl. 74—424.8)



1. An indexing device comprising a shaft defining a screw thread on at least a portion of its outer surface, a frame member, means in said frame member defining a support for said shaft, said means including screw threads adapted to cooperate with the screw threads on the outer surface of said shaft and to permit rotation of said shaft with respect to said frame member, a first stop member mounted on said frame member adjacent one terminus of the screw threads carried by said means, a second stop member mounted on said frame member adjacent another terminus of the screw threads carried by said means, the screw threads on said shaft terminating in a first shoulder adapted to contact said first stop member and terminating in a second shoulder adapted to contact said second stop member.

2,481,256

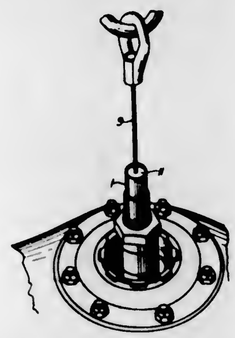
BALANCE TESTING DEVICE

Charles G. Sutton, Dayton, Ohio; Charles E. Sutton, ancillary administrator of said Charles G. Sutton, deceased, assignor to Gwen Iola Sutton, Los Angeles, Calif.

Application February 24, 1944, Serial No. 523,695
14 Claims. (Cl. 73—66)

1. A static balance testing device for symmetrical rotary bodies, including a hollow shaft, adapter means carried thereby between which the body to be balanced is engaged with the axis of rotation of the body in axial alignment with the shaft, a suspension member upon which the shaft and body are yieldingly supported extending within the hollow shaft and anchored therein in proximate relation with the center of gravity of the body and coincident with the geometrical axis of the hollow shaft relative to which the body is capable of limited tilting movement in accordance with its unbalanced condition; said hollow shaft being indicative of the degree of unbalance and the relative location of the unbalanced area

of the body by its eccentric relation with the suspension member assumed by the hollow shaft incident to the unbalanced condition of the body, and a disc concentrically disposed upon the sus-



pension member and resting upon the free end of the hollow shaft for visually indicating by its eccentricity with the shaft, the degree of unbalance of the body and relative location of the unbalanced area thereof.

2,481,257

LUBRICATING COMPOSITION

Miller W. Swaney, Cranford, and George E. Serniuk, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 8, 1946, Serial No. 653,178
7 Claims. (Cl. 252—45)

1. A lubricating composition consisting essentially of a mineral lubricating oil and from 0.05 to 10 weight per cent based on the oil of an oil soluble condensation product, obtained by condensing with aid of a peroxide catalyst of from 50 to 80 parts of a vulcanizable rubbery hydrocarbon polymer prepared by the polymerization in aqueous emulsion, said polymer being selected from the group which consists of polybutadiene-1,3 and copolymer of butadiene-1,3 with a monomer containing a polymerizable vinyl group, and 50 to 700 parts of a primary aliphatic mercaptan containing from 8 to 18 carbon atoms per molecule, said condensation occurring at a temperature ranging from 50 to 60° C., said condensation product having a sulfur content in the range of 6.18 to 10.6 weight per cent.

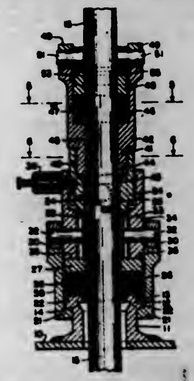
2,481,258

DEVICE FOR TAPPING BEER BARRELS

Robert Swartley, Willow Grove, Pa.

Application October 20, 1947, Serial No. 780,923
8 Claims. (Cl. 285—40)

1. In a device for tapping a barrel having a tubular closure member, the combination of a body having a central opening for the reception of a draft tube, means for preventing fluid leakage between said body and said draft tube, a sleeve carried by said body for attachment to said closure member, said body having a flange and a rim extending downwardly within said sleeve and spaced outwardly from said draft tube, a packing ring in engagement with said flange and rim and with said sleeve and adapted to abut against said closure member, and means for compressing said packing ring in fluid tight engagement with said



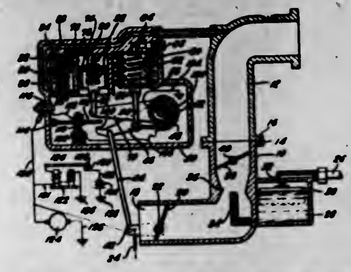
sleeve and said closure, said last means including lever members pivotally mounted on said sleeve.

2,481,259

AUTOMATIC CHOKE FOR CARBURETORS

William H. Taylor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 10, 1935, Serial No. 35,638
17 Claims. (Cl. 123—119)



1. A choke mechanism for the charge forming device of an internal combustion engine having in combination means for varying the fuel to air ratio in the mixture formed by said charge forming device, a thermostat for operating said ratio varying means, relatively remotely located with respect to the engine, heating means for raising the temperature adjacent the thermally responsive means more rapidly than the temperature adjacent the engine is raised and means other than the thermostat for rendering the heating means inoperative after a predetermined effect on the thermally responsive means.

2,481,260

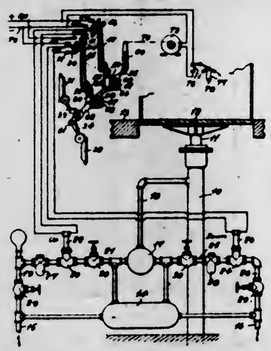
ELEVATOR LEVELING DEVICE

Adolph Edward Thurber, Jr., Brooklyn, N. Y.

Application June 19, 1945, Serial No. 600,341
8 Claims. (Cl. 187—32)

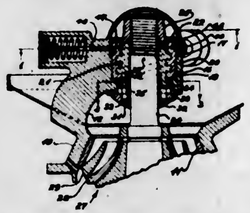
3. In a self-leveling mechanism for an elevator car movable in a hatchway, an electrically operated valve, a switch carried by said car for controlling the supply of current to and the shutting off of current from the valve, a swingable member, a switch arm mounted for pivotal movement on said member, a lever adapted to engage

said arm for moving the switch into closed position, a rocking member for actuating the lever, a movable member operatively connected to the rocking member, abutment means mounted in said hatchway adapted to actuate the movable



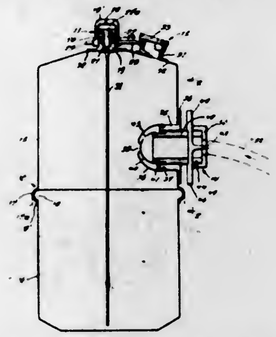
member as the latter moves relatively to the abutment means, and means for moving the movable member into a position where it cannot engage the abutment means and for moving the switch arm into a position where it cannot be actuated by said lever.

2,481,261
GYRATORY CRUSHER WITH DISPLACEABLE SHAFT FOR RELIEVING EXCESSIVE CRUSHING STRAINS
Samuel W. Traylor, Jr., Allentown, Pa.
Application August 22, 1946, Serial No. 692,236
12 Claims. (Cl. 241—211)



1. A crusher comprising a frame and a concave supported thereby on an upright axis, an upright gyratory shaft and a head carried thereby for cooperation with said concave, a spider supported by the frame and including a central hub having a bore into which the upper end of said shaft extends, a ring member mounted for limited turning movement in the hub, surrounding the shaft and in which the shaft is rotatable, an incline-and-follower connection between the ring member and a part restrained against rotation in the hub, said connection holding the shaft in normal crushing position when the ring member is at one limit of its turning movement, said ring member being turnable toward its other limit of movement by forces transmitted through said connection as a result of and to permit, translational displacement of the shaft to relieve undue crushing strains on said head, and spring means operatively connected to said ring member normally maintaining the same at the first mentioned limit of turning movement and restraining the same against turning toward the other limit.

2,481,262
VALVE FOR DISPENSERS
David Trompeter, Sandy Hook, Conn.
Application November 28, 1945, Serial No. 631,341
1 Claim. (Cl. 251—8)

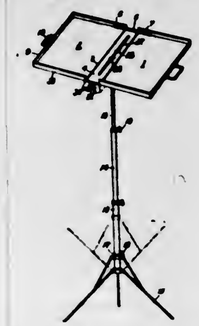


A fluid admission unit for a container, said unit including the combination of a tubular plug for connection to said container, said plug having an internal thread and an exterior circumferential groove, a second hollow plug having an external thread matching said internal thread and also having an external peripheral groove, a dished sheet metal member having its surrounding marginal portion spun into said groove on said second plug, the first-mentioned sheet metal member being dished to a greater radius of curvature than the second-mentioned sheet member, each of said sheet metal members having a fluid admission opening, and one of said openings being offset from the other in a direction radially of both sheet metal members, whereby, due to said differing radii of curvature of the two sheet metal members, when said second plug is screwed inwardly of the first-named plug one of said sheet metal members at a point removed from its opening acts as a valve element seatable against the other sheet metal member at its opening to constitute said opening a complementary valve-seat element said second plug at its outer end portion having a pair of slots extending longitudinally of the plug, a cross-bar of greater length than the outside diameter of said second plug seated in said slots to provide a plurality of projecting ends of said cross-bar to act as turning spokes, said second plug having an outward projection from a point on the cross-bar within the second plug, and an internally threaded and apertured cap, the second plug being externally threaded opposite said slots and said thread matching the internal thread of the cap, said projection from the cross-bar protruding through the aperture in the cap.

2,481,263
FERMENTATION PROCESS
Henry M. Tsuchiya and James M. Van Lanen, Peoria, Ill., and Asger F. Langlykke, New Brunswick, N. J., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 15, 1948, Serial No. 2,536
15 Claims. (Cl. 195—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

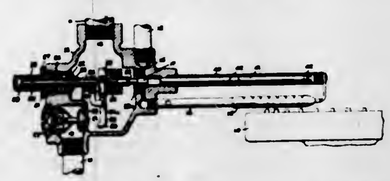
1. A process for the production of normal butanol, acetone and ethanol by fermenting a mash containing crude pentose sugars and copper by adding iron comprising removing copper, adding nutrients comprising an assimilable nitrogen source and an assimilable phosphate source, sterilizing the mash and subsequently fermenting the mash with butyl-acetonic bacteria, substantially the sole carbohydrate source being the crude pentose sugars.

2,481,264
COMBINED CARRYING CASE AND STAND THEREFOR
William G. Tulowiecki, Buffalo, N. Y.
Application January 24, 1946, Serial No. 643,022
6 Claims. (Cl. 45—121)



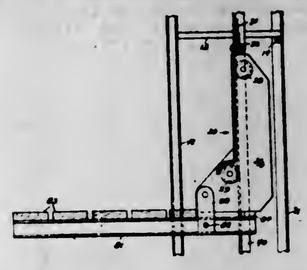
1. A combination carrying case and stand therefor, comprising a central portion flanked on opposite sides by covers hinged thereto for folding to form a portfolio, the central portion having a chamber opening exteriorly of the closed portfolio, a supporting pedestal collapsible for folding into the chamber, and means adjustably connecting the upper end of the pedestal to the central portion by which the latter may be adjusted to balance the case thereon and may be readjusted to facilitate the folding of the collapsed pedestal into the chamber.

2,481,265
SAFETY VALVE MECHANISM
Thomas F. Van Denberg, Cleveland Heights, and John Selby, Euclid, Ohio, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1944, Serial No. 565,209
4 Claims. (Cl. 137—139)



1. Control apparatus, comprising a hollow body provided with a cross wall forming supply and discharge chambers communicating through an opening in said wall, an imperforate valve member in one of said chambers biased to move along a line toward closed position at said opening, and operating and control means for said valve in the other chamber and including a reset member reciprocable back and forth along a line at one side of the line of valve movement, means operatively connecting said reset member and valve member, and releasable means operated by said reset member for holding said valve member in open position.

2,481,266
BUCKET CARRIAGE FOR HOISTING TOWERS
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application December 17, 1946, Serial No. 716,695
3 Claims. (Cl. 214—120)



1. A hoisting device comprising a tower, a carriage guided for substantially vertical movement thereon, a material conveying platform pivotally mounted on said carriage, the pivotal mounting thereof being at a point spaced from the center of gravity thereof so that the weight of said platform forces said platform to occupy a horizontal, material-conveying position with a portion of said platform held in abutting engagement with a portion of said carriage by the weight of said platform.

2,481,267
LOWER ALIPHATIC CARBOXYLIC ACID SALTS OF STREPTOTHRICIN AND STREPTOMYCIN
Alphonse Walti, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 9, 1945, Serial No. 577,143
6 Claims. (Cl. 260—210)

1. The process that comprises adsorbing a substance selected from the class consisting of streptothricin and streptomycin from a culture broth containing the same, eluting the adsorbate with a low normality aqueous-alcohol solution of a lower alkyl carboxylic acid, concentrating the eluate by evaporation at reduced pressure, and recovering the corresponding lower alkyl carboxylic acid salt of said substance.

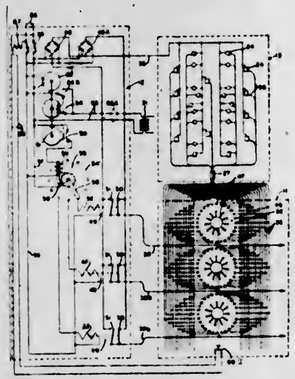
2,481,268
CRANKCASE CONDITIONING OIL
C. Newbold Watson, Wynnewood, Pa., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 5, 1947, Serial No. 739,658
1 Claim. (Cl. 252—33.4)

A lubricating composition having cleansing properties consisting essentially of mineral base lubricating oil of internal combustion crankcase lubricating grade, containing about 20% of a

composition of the following approximate proportions by weight:

	Percent
Oil soluble sodium petroleum sulfonate	11
Sodium naphthenate	3
Diethylene glycol	1
Aromatic solvent naphtha of boiling range about 300° to 370° F	35
Mineral oil of about 80 S. S. U. viscosity at 210° F	5
Phenol extract of Coastal naphthenic oil of about 500 S. S. U. viscosity at 100° F	45

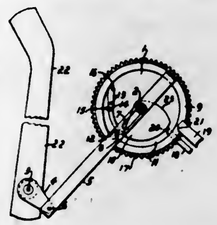
2,481,269
CONTROL SYSTEM FOR ELECTRIC SIGNS
Thomas Ross Welch, Los Angeles, Calif.
Application December 26, 1946, Serial No. 718,433
8 Claims. (Cl. 177—350)



3. In a changeable sign apparatus, the combination of: a symbol former having a plurality of sections selectively illuminable to display characters; a source of electrical energy; means for controlling the illumination of said sections, each of said means having an operating coil connected on one side to said source of energy; individual supply conductors connected to the other sides of said coils; a plurality of symbol selectors connected with each of said conductors and having pre-selectable current flow paths therethrough from a common connection, valves in said paths for limiting current flow to one direction therethrough; electric polarity reversing switches connecting the common connections of the symbol selectors to said source of energy; and means for successively energizing said switches.

2,481,270
INTERMISSION DEVICE FOR AUTOMATIC PHONOGRAPHS
Erik Wennerbo, Motala, Sweden, assignor to Industriaktiebolaget Luxor, Motala, Sweden, a corporation of Sweden
Application March 12, 1945, Serial No. 582,291
In Sweden March 20, 1944
3 Claims. (Cl. 274—10)

1. In a magazine phonograph provided with an automatic record changing mechanism for playing a series of records in succession, a tone arm controlling mechanism comprising a rotatable cam member adapted to be set in rotation after the playing of a record and provided with a cam surface, a rod connected to the tone arm and having a cam follower projecting into the path of the cam member to coact with said cam surface for controlling the outward swinging movement of the tone arm, a switch blade pivotally mounted on said cam member and assuming an inactive position ineffective on the cam follower and an active position causing the cam follower to move inwards on the cam member along an inner surface of said switch blade, and a control member projecting adjacent the cam

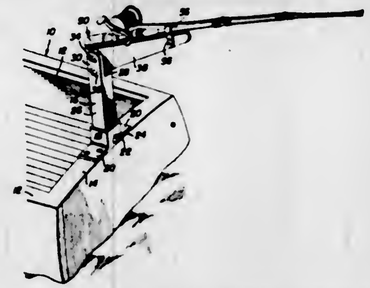


member movable into the path of movement of said switch blade for shifting the same to said inactive position once during each revolution of the cam member, the switch blade being in the form of a two-armed pivoted lever of which one arm when in the path of the cam follower, is actuated by the latter in the inactive position of the switch blade, to shift the switch blade back to its active position.

2,481,271
HOLDING DEVICE FOR VOICE RECEIVERS
Matthew K. Willey, Middlefield, Conn.
Application August 24, 1946, Serial No. 692,897
3 Claims. (Cl. 179—148)

1. In a device for holding a voice transmitting receiver, in combination, a support, a flexible member carried by said support, and a holder carried by said member adapted to receive and hold said receiver, said flexible member being distortible relative to said support to locate said receiver in a desired position relative to a user and comprising a spirally wound metal strip in which the adjacent convolutions overlap, said holder comprising a pair of plates supported in spaced relation in a common plane to permit a voice transmitting receiver to be moved therebetween and turned under said plates, and resilient means adapted to hold said receiver under said plates.

2,481,272
FISHING POLE HOLDER
Ray M. Williams, Mexico, Mo.
Application June 29, 1948, Serial No. 35,840
1 Claim. (Cl. 248—42)



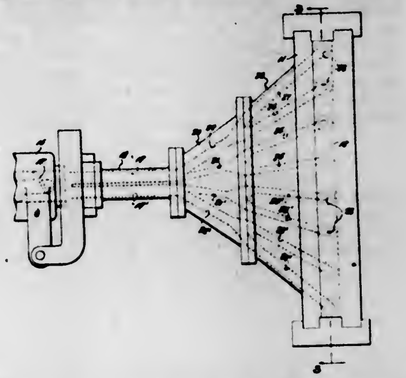
A fishing pole holder comprising a socket adapted to be permanently secured to the top edge of the side or stern of a boat, a standard detachably secured in said socket, said standard having an elongated longitudinal slot entering the end remote from the socket, a pivot bolt carried by the standard and extending transversely through the slot, an arm mounted in the slot on the pivot bolt to swing in a vertical arc about the axis of said bolt, a fishing pole handle receiving socket on the arm adjacent the pivoted end thereof, a fishing pole clamp on the arm adjacent the end thereof remote from the pivot bolt, a toothed quadrant on each side of the arm adjacent the pivoted end thereof, said quadrants lying concentric about the pivot bolt and a bolt carried by the standard and extending through the slot in parallel relation to the pivot bolt for engaging the teeth on the quadrants and holding the arm in various angular positions relative to the horizontal.

2,481,273
ISOOLEFIN POLYMERIZATION CATALYZED BY FRIEDEL-CRAFTS DOUBLE SALTS
David W. Young, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1943, Serial No. 471,077
15 Claims. (Cl. 260—85.3)

1. The step of interpolymerizing an isoolefin having 4 to 7 carbon atoms per molecule with a diolefin having 4 to 14 carbon atoms per molecule comprising in combination the steps of mixing the olefins, cooling them to a temperature within the range between 0° C. and —160° C., and polymerizing the cold mixture by the addition thereto of a hydrocarbon solution of a double salt composed of a Friedel-Crafts active metal halide and a Friedel-Crafts active metal oxy halide.

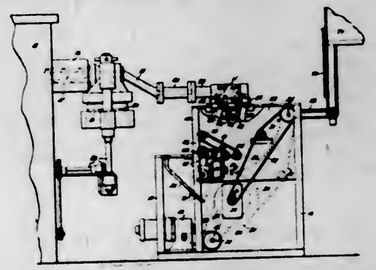
2,481,274
FEEDING APPARATUS FOR ALIMENTARY PASTE DIE
Conrad Ambrette, Brooklyn, N. Y.
Application April 17, 1946, Serial No. 662,699
3 Claims. (Cl. 107—14)

1. In a continuous alimentary paste production apparatus, a horizontally disposed die means providing an elongated die chamber, an elongated die plate at the bottom of said chamber, said die plate having extrusion orifices adapted to emit paste strings in linearly spaced relation ready to be operated upon by cooperative rack rod loading and string cut of mechanisms, means to continuously feed plastic paste to said die chamber under pressure, and means intermediate said paste feeding means and die chamber for delivering the paste to the latter through progressively multiplying divergent passages having their discharge ends connected in communication with said die chamber at a multiplicity of spaced points along the length thereof, at least the distively and progressively increased cross-sectional



area from the innermost of smallest cross-section, which communicate with the mid portion of said die chamber, to the outermost of largest cross-section, which communicate with the respective end portions of said die chamber, said divergent passages being of relatively increasing length as they diverge from the paste feeding means toward the respective outer end portions of the die chamber, all whereby to keep said chamber filled with paste under substantially uniform excharge branches of said passages being of relatruding pressure throughout the length thereof.

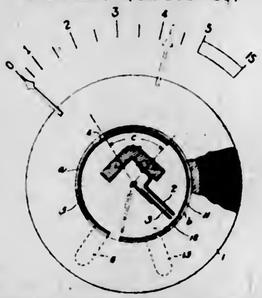
2,481,275
AUTOMATIC ALIMENTARY PASTE PRODUCING APPARATUS
Conrad Ambrette, Brooklyn, N. Y.
Original application April 17, 1946, Serial No. 662,699. Divided and this application May 7, 1948, Serial No. 25,545
3 Claims. (Cl. 107—7)



1. In a continuous paste production apparatus having die means through which paste strings are emitted in a linear row, a paste string rack rod loading mechanism including a conveyer having means to engage and carry a rod against an emitted row of strings, whereby to loop said

strings over the rod for suspension therefrom, paste string cut off mechanism cooperative with the die means adapted to cut the trailing ends of the rod loadable strings away from said die means, electric motor actuated means for driving said rack rod loading mechanism, another electric motor actuated means for operating said cut off mechanism, and electric mechanical means for coordinately timing the operations of said rack rod loading and cut off mechanisms, comprising timer controlled means for periodically starting the actuating motor of said rack rod loading mechanism, a control means for the motor actuated cut off mechanism driving means including starting and stopping switch means respectively operable by said rack loading mechanism and said cut off mechanism, and switch means also operable by said rack rod loading mechanism for stopping operation thereof.

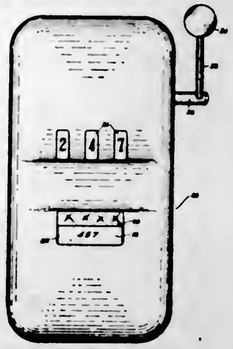
2,481,276
MEASURING INSTRUMENT
Albert Emanuel Andersson, Flysta, Spanga, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application March 30, 1944, Serial No. 528,764
In Sweden March 2, 1943
3 Claims. (Cl. 171—95)



1. Measuring instrument provided with a crowded part at the upper portion of the scale and comprising a coil, a pointer shaft, two radially disposed iron strips arranged in the magnetic field of said coil, one of the strips being movable and fastened to the pointer shaft, the other strip being stationary and disposed within the coil, an auxiliary strip consisting of a magnetizable material preferably having a low remanence and so located at the upscale end of the path of movement of the moving iron strip, that as the latter approaches a position corresponding to the crowded part of the scale said auxiliary strip exerts a repulsive action on said moving iron strip in a direction opposite to the direction of deflection, a further auxiliary strip of magnetizable material tapering in the upscale direction and extending from the stationary iron strip to a position on the cylindrical face of the coil corresponding to that which the moving iron strip occupies when the pointer is approaching the crowded part of the scale.

2,481,277
NUMBER WHEEL GAME WITH RECORDING ATTACHMENT
William J. Balsun, Akron, Ohio
Application February 4, 1947, Serial No. 726,414
4 Claims. (Cl. 346—14)

1. A spinning game comprising a housing, a plurality of independently rotatable number wheels in the housing, a window in the housing through which one number on each wheel is displayed, means for rotating the wheels, means for bringing each wheel to a stop with one of the numbers thereon displayed through said window, there being an opening in the housing, means for positioning a paper tape within the housing adjacent to said opening, whereby a number may be written upon the paper tape prior to the rotation of the wheels, a second window in the housing adjacent to said opening and having a transparent cover through which the paper tape is visible but



normally inaccessible, and means controlled by said means for rotating the wheels for moving the paper tape within the housing toward said last named window to move the written number thereon away from said opening and to a position where it is visible through the transparent cover of said last named window before the wheels are brought to a stop, whereby said written number will be normally inaccessible but visible for comparison with the numbers on the wheels displayed through the first named window.

2,481,278
POLYOXYALKYLENE COMPOUNDS
Seaver Ames Ballard, Orinda, Rupert Clarke Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 31, 1946, Serial No. 694,417
4 Claims. (Cl. 260—615)

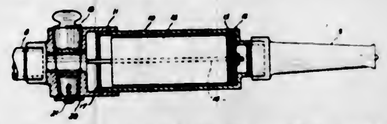
1. A new composition of matter comprising a mixture of copolymers having the general formula

$$R_1-\left[\left(O-\underset{R}{\overset{R}{C}}-\underset{R}{\overset{R}{C}}\right)_m-\left(O-\underset{R}{\overset{R}{C}}-\underset{R}{\overset{R}{C}}-\underset{R}{\overset{R}{C}}\right)_n\right]_p-OR_2$$

wherein m, n and p are positive integers, R_1 and R_2 are substituents of the group consisting of hydrogen atoms, carboxylic acid acyl radicals 1–17 carbon atoms and alkyl radicals having 1–3 carbon atoms; each R being a substituent of the group consisting of hydrogen atoms and alkyl groups having 1–10 carbon atoms, said copolymers having an average viscosity from about 30 to 300 centistokes at 100° F. and an average molecular weight between about 200 and 1500.

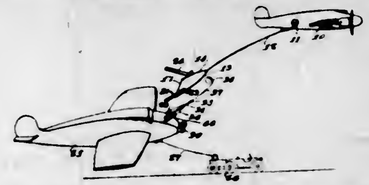
2,481,279
CHEMICAL SPRAYING DEVICE
Louis L. Barr, Pittsburgh, Pa.
Application March 8, 1947, Serial No. 733,333
1 Claim. (Cl. 299—83)

A chemical spray device comprising a chamber of tubular form open at its ends, means for connecting the rear end of the chamber to a water hose, means for connecting the forward end of the chamber to a discharge nozzle, a radially disposed seating surface in the forward end of the chamber, a spider having seating engagement with said surface, a rod arranged to extend centrally through a block of soluble material in the chamber



and having its forward end in threaded engagement with the said spider, and a spider at the rear end of the chamber and having a central opening for loosely receiving the rod, the connection between the rear end of the chamber and a hose comprising a valve block with which the chamber has screw-threaded engagement at its rear end.

2,481,280
PICKUP DEVICE FOR AIRCRAFT
Raymond R. Beddow, Toledo, Ohio
Application September 19, 1945, Serial No. 617,209
5 Claims. (Cl. 258—1.2)



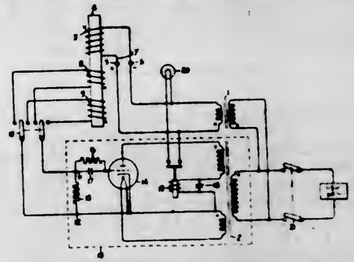
2. A pickup device for use in connection with an airplane having a retractable cable, comprising hooking means in the form of two short cables connected at one end with the end of the retractable cable, weights on the other ends of said short cables, a flexible cord connecting the weighted ends of the short cables, air foils pivotally connected respectively to an intermediate portion of said short cables, each air foil including a vertical vane, a horizontally disposed fin on the end of said vane, and an outwardly inclined section on the forward end of said vane, which, acting in response to air currents, causes divergence of said air foils, a hook element, means for maintaining said hook element in an upright position, and a cable extending from said hook element to the object to be picked up.

2,481,281
SANDAL WITH ELASTIC UPPER ELEMENTS
Samuel Bender, Brooklyn, N. Y.
Substituted for abandoned application Serial No. 559,155, October 18, 1944. This application March 19, 1947, Serial No. 735,644
5 Claims. (Cl. 36—11.5)



1. A flexible sandal, house slipper or the like, comprising a flexible fabric sole, two opposed guards, each including a piece of elastic sewed to the sides of the toe portion of said sole, and a piece of flexible material sewed to said piece of elastic, an elastic toe strap sewed to the top free edges of said guards, a tape binding sewed to and covering said top free edges of said guards and the edges of said toe strap, and a tape binding sewed to and covering the edge of said sole and the adjacent edges of said guards.

2,481,282
COIL-POLARITY INDICATOR
Adolf J. Bialous, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 21, 1947, Serial No. 769,917
2 Claims. (Cl. 175—183)



1. Coil testing apparatus comprising a set of electric terminals to which a coil to be tested may be connected, a winding positioned for magnetic flux linking relation with the coil to be tested, a second set of electric terminals connected to said winding, a vacuum-tube signal amplifier having an input and an output or plate circuit, connections to apply alternating voltages to one of said sets of terminals and the plate circuit of said amplifier respectively, such voltages being in phase opposition to each other, connections from the other of said sets of terminals to the input of said amplifier, a relay having its energizing coil connected in the output circuit of said amplifier, and an indicator connected in series with the contacts of said relay.

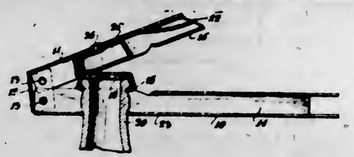
2,481,283
PREPARATION OF NITRATOALKYL NITRAMINES
Alfred T. Blomquist and Fred T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy
No Drawing. Application December 30, 1944, Serial No. 570,805
1 Claim. (Cl. 260—467)

A process which comprises treating a compound selected from the group consisting of N-alkyl-N' and (2-alkanol) ethylenediamine and N,N'-bis(2-alkanol) ethylenediamine, with about an equivalent amount of nitric acid and about an equivalent amount of a dehydrating fatty acid anhydride in the presence of a halide-ion-forming catalyst, and then separating the nitroxyalkylnitramine from the resulting reaction mixture.

2,481,284
CLOSURE APPLIANCE
Samuel Bloomfield, Wichita, Kans., and Robert S. Wallach, Madison, N. J., assignors, by direct and mesne assignments, to C. Earl Hovey, Kansas City, Mo., as trustee
Application July 7, 1945, Serial No. 603,602
2 Claims. (Cl. 226—84)

1. A closure appliance including in combination a pair of arms, a link pivotally connecting

said arms, a cup rigidly carried by one of said arms for forcing a cap into position upon a receptacle, and the second of said arms defining a closed slot to receive the neck of the receptacle



and supporting the same in operative relationship with respect to said cup, one end of said slot having a width greater than the width of said cap, said end merging into an opposite end having a width less than the width of said cap.

2,481,285
METHOD OF PACKING FLEXIBLE RECORDING BELTS
Charles L. Bossmeyer, Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application September 20, 1944, Serial No. 555,031
2 Claims. (Cl. 226—14)



1. A method of packing endless flexible phonograph recording belts including the steps of: forming groups of belts into individual nests of belts each nest having looped end portions with intermediate side portions extending between the looped end portions, providing a belt container of width greater than the end-to-end length of one belt nest and less than the end-to-end length of two belt nests, and placing belt nests in the container in generally parallel partially overlapping disposition with the looped end portions of each nest offset with respect to the looped end portions of the next nest and with one end portion of alternate nests positioned adjacent one side wall of the container and the opposite end portion of the intervening nests positioned adjacent the other side wall of the container, whereby each nest is disposed with one of its looped end portions against a side wall of the container and its other looped end portion positioned in the central portion of the next nest.

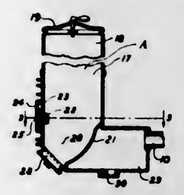
2,481,286
PRESSER FOOT ATTACHMENT FOR FRENCH SEAM SEWING MACHINES
Harvey L. Bouwkamp and Robert E. Kemp, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 26, 1947, Serial No. 737,312
10 Claims. (Cl. 112—235)

1. In a machine for sewing French seams, in combination: spaced vertical needles mounted for simultaneous vertical reciprocation to sew parallel rows of stitching in adjacent sheets of material, a presser device mounted on the machine for movement to a raised position and to a spring-pressed lowered position for pressing the material against the sewing bed of the machine, said presser device comprising a body member and a pair of presser feet individually vertically slidably mounted on the body member, one presser foot being adapted to engage the upper surface of one sheet of material and the other presser foot being adapted to engage the upper surface



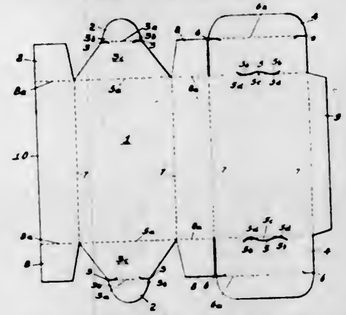
of the other sheet of material, and a connecting bar pivotally connected at its middle to the body member and pivotally connected at its opposite ends to the presser feet respectively whereby the presser feet are associated for opposite vertical sliding movements.

2,481,287
PRODUCER GAS GENERATOR
Douglas Scott Bow, Vancouver, British Columbia, Canada
Application October 21, 1944, Serial No. 559,860
In Canada October 22, 1943
3 Claims. (Cl. 48—118.5)



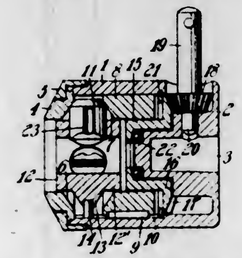
2. A gas producer comprising a generator chamber having a vertical side wall, a row of air inlet tuyères mounted in a straight line in a horizontal plane in said wall, said tuyères having respective discharge openings therein adjacent said wall within said chamber and spaced to produce an exothermic reaction zone of substantial lateral extent, an inclined curved grate in said chamber and lower than said row of tuyères, and an outlet for product gases below said grate, said grate being inclined upwardly from a lower edge thereof at an angle of about 45° to the horizontal, thereby permitting a substantial fuel area to be provided, said grate being so curved that the cross section thereof in a vertical plane passing through any one of said discharge openings and perpendicular to the surface of said grate is substantially in the form of an arc of a circle whose center is at said one of said discharge openings, thereby providing for the maintenance of a diagonally downward path between the discharge openings and grate area.

2,481,288
CARTON CLOSURE
James Cage, Valley Stream, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application February 5, 1945, Serial No. 576,328
1 Claim. (Cl. 229—39)



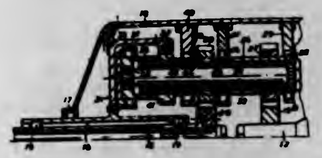
A carton having side walls and end closure flaps, one of said flaps carrying a tab at its end, the tab having a fold line and formed with a cut at each edge adjacent said fold line, the tab being progressively decreased in width outwardly of said fold line, a closure flap opposite the tab-carrying closure flap having a fold line immediately connecting it to one of the side walls, and it being formed inwardly of said fold line with a continuous cut of double wave formation which provides yielding projections of said last named closure flap, at the ends of the cut therein, which projections are adapted to yield when the tab is inserted into said cut and then to spring back within the edge cuts at the fold line of the tab to lock the tab in position.

2,481,289
CHUCK FOR GRIPPING BARS
André Cauchois, Lille, France
Application March 3, 1948, Serial No. 12,737
In France March 21, 1947
4 Claims. (Cl. 279—73)



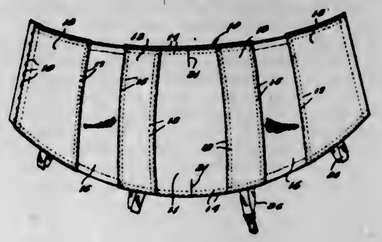
1. A roller chuck for gripping bars, comprising: a chuck body formed with a frusto-conical recess at its inner end, an annulus longitudinally slidable and guided in the chuck body, the annulus being formed with a frusto-conical recess facing and co-axial with that of the chuck body, a ring located between and co-axial with the said frusto-conical recesses, the ring being formed with radial guiding apertures and also with two externally frusto-conical surfaces facing the frusto-conical recesses, neck portions projecting axially from the said ring, one of the said neck portions being guided in the sliding annulus, and the chuck body being formed with a longitudinal aperture for guiding the other neck portion, rollers radially slidable in the apertures in the ring, bevelled surfaces at the outer ends of the rollers engaging with the frusto-conical surfaces of the recesses, and actuating means operable from outside the chuck body for shifting the sliding annulus longitudinally and thereby forcing the rollers radially inwards.

2,481,290
DRIVE FOR CONTRAROTATING PROPELLERS
Thomas Clark and David Harriman, Coventry, England, assignors to Armstrong Siddeley Motors Limited, Coventry, England
Application November 3, 1947, Serial No. 783,688
In Great Britain August 30, 1947
6 Claims. (Cl. 74—665)



1. Drive means, for coaxial contra-rotating propeller shafts arranged one within the other, the inner extending further from the propellers than the outer, including a common driving gear coaxial with but rotatively free of the propeller shafts, a plurality of similar layshaft means symmetrically spaced angularly round the axis of the propeller shafts and each including a drive shaft connected to be driven by said common gear, two driven shafts respectively connected to drive the propeller shafts reversely, and two torsion bar means respectively interconnecting each of the said driven shafts of the layshaft means with said drive shaft.

2,481,291
HIP PAD
Joseph A. Coleman, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application March 25, 1948, Serial No. 16,902
3 Claims. (Cl. 2—43)



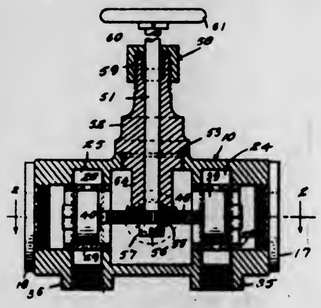
1. In a girdle consisting of seamed sections forming front and rear wall surfaces, of a central pocket covering assembly seamed thereto and consisting of two opposed flexible wall members having closed top and bottom and outer side margins, the inner margins of said pocket covering wall members meeting each other, upper and

lower relatively short and opposed pocket internal projections, and a removable unitary pad formed with top and bottom centrally disposed recesses adapted to receive said projections when the pad is deformed, inserted into the pocket and then restored to form, and whereby the pad is held against shifting in the pocket.

2,481,292
PROCESS FOR MANUFACTURING CARBAZOLE
Courtney Conover, Silver Spring, Md., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 24, 1948, Serial No. 45,973
6 Claims. (Cl. 260—315)

1. A process of making carbazole comprising intimately contacting o-aminobiphenyl in the liquid phase with an excess of an oxygen-containing gas under pressure in the presence of graphite at a temperature in the range of 300–400° C., for a period of time in the range of 6–24 hours, and subsequently recovering carbazole from the reaction mixture.

2,481,293
VALVE
John L. Cooney, Erie, Pa.
Application July 6, 1945, Serial No. 603,528
1 Claim. (Cl. 277—12)

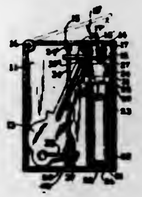


A valve structure comprising a housing, means dividing said housing into a central intake chamber and an outer pair of chambers, a pair of ported cylindrical plug guides carried by said dividing means, an offset return flow housing carried by said first housing and communicating with said guides at the outer ends of the latter, a valve plug slidable in each guide, a yoke extending across said inlet chamber, threaded stems on the ends of said yoke, means adjustably securing said plugs on said stems, a toothed rack carried by said yoke, a pinion engaging said rack, a rotatable stem fixed to said pinion and extending from said first housing, said first named housing having an inlet port communicating with said intake chamber, and also having ports communicating with said pair of outer chambers, movement of said plugs in one direction providing for flow of fluid from said intake chamber through the ports of one guide into one outer chamber and from the latter through the port associated therewith, and for return flow into the other outer chamber, through the ports of the other guide and into said return flow housing.

2,481,294
MANUFACTURE OF SOLUTIONS OF POLYVINYL DERIVATIVES
Paul Camille Elie Jacques Corbière and René Emile Fernand Stuchlik, Lyon, France, assignors to Societe Rhodiaceta, Paris, France
No Drawing. Application June 24, 1947, Serial No. 756,802. In France June 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 21, 1961
2 Claims. (Cl. 260—30.8)

1. Solutions of acetone-insoluble polyvinylchloride in a mixture of carbon disulfide and acetone containing at least 30% and not more than 70% of carbon disulfide.

2,481,295
COMBINED KEY CASE AND FLASHLIGHT
Marco A. Corigliano, Brooklyn, N. Y.
Application October 31, 1946, Serial No. 706,997
3 Claims. (Cl. 240—6.4)



3. In a combined flashlight and key case, a casing having parallel compartments one for a key and the other for flashlight elements and open at one end, said compartments being separated by a transverse wall formed with a slot, flashlight elements in said other compartment and including a bulb, a battery and a slide switch having an operating button disposed exteriorly of said other compartment for manually moving said slide switch to illuminate said bulb, a hingedly mounted door closing the open end of said casing, a projection on the inner face of said door and extending into said one compartment, a ring mounted on said slide switch and surrounding said battery, a slidable yoke in said one compartment, and a bar integrally formed with said yoke and ring and extended through said slot to cause said yoke to be moved to a position in the path traversed by said projection when the door is closed when said switch operating button is moved to move said slide switch to illuminate said bulb, whereby when said bulb is lit with said door open the act of closing said door will cause said projection to engage said yoke and move the yoke and in turn said ring and said slide switch to turn off said bulb.

2,481,296
VAPORIZING DEVICE
Charles F. J. Dupuy, Mahwah, N. J., assignor to O'Cedar Corp'n., Chicago, Ill., a corporation of Illinois
Application October 14, 1944, Serial No. 558,633
5 Claims. (Cl. 299—23)

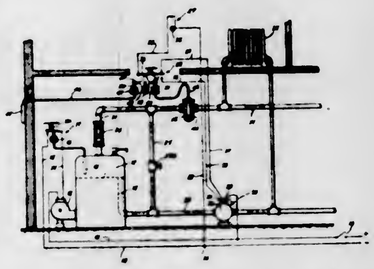
1. A vaporizing device comprising a container for liquid having a reduced outlet opening in one end, a pad having a central opening, the container being adapted to be inverted on the pad with its outlet opening registering with the central opening in the pad and with said end of

the container resting on the pad, a holder for the pad, at least one of the holder and the pad



being formed with a radially extending channel communicating with the opening in the pad.

2,481,297
SPACE HEATING SYSTEM
Deane O. Eggert, Cleveland, Ohio, assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application June 17, 1948, Serial No. 33,590
6 Claims. (Cl. 237—8)



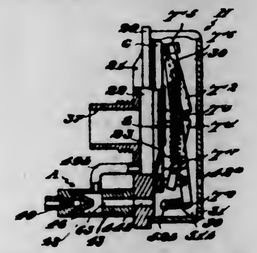
1. In a space heating system in combination, means providing a reservoir of heat conveying medium at substantially constant temperature, said reservoir having an inlet and an outlet, a system for circulating the medium between said reservoir and the space to be heated comprising a supply line connected to said reservoir outlet, a return line connected to said inlet, a normally closed yieldable valve for controlling said outlet, conduit means connecting said supply and return lines for by-passing said reservoir, a variable output circulating device, and a control for said circulating device including means responsive to the temperature of the space to be heated for starting and stopping said circulating device, and means responsive to a change in the sum of the temperatures of the outdoor air and the medium delivered to the space for varying the output of said circulating device.

2,481,298
ELECTRICAL DISCONNECTOR
Tausias Irven Eldridge, Jr., Brookline, Pa., assignor to Electric Service Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1944, Serial No. 545,645
2 Claims. (Cl. 200—115)

1. An electrical disconnector comprising an insulating hollow shell having a gap electrode seated in one end thereof, an insulating hollow stem secured to said shell and having an end projecting into said shell, a gap electrode mounted on said end, a slotted spacer between said electrodes and limiting the movement of said stem relatively to said shell, and a thermally responsive device housed in said stem and fusible by the conduction of heat through the second named electrode from an arc between the electrodes to interrupt such arc.



2,481,299
BREATHING APPARATUS
John H. Emerson, Cambridge, Mass.
Original application December 12, 1944, Serial No. 567,996. Divided and this application August 17, 1948, Serial No. 44,659
5 Claims. (Cl. 128—29)



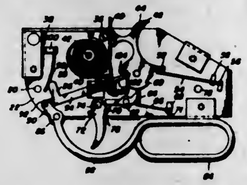
1. An artificial resuscitator of the kind which includes a face mask, a case which houses a pressure motor including a movable element which is sensitively responsive to lung pressure and which defines one wall of a chamber, a rigid, tubular connection uniting the mask and case, said connection having a single constantly open passage affording communication between the interior of the mask and said chamber, an aspirator device, said aspirator device having a nozzle, a suction space and a delivery throat, a conduit for supplying pressure fluid to the nozzle of the aspirator, the case also housing a single reciprocating valve and snap-action means for transmitting motion from said movable motor element to said valve, the resuscitator being of the kind wherein gas under pressure supplies energy for inflating and deflating the lungs and for operating the pressure motor, characterized in that the case which houses the pressure motor and motion-transmitting means is of a size such that it may be held in the palm of one hand, a duct leading from the delivery throat of the aspirator which, at times, provides communication with the outer atmosphere, a tube, one end of which is fixed in an opening in the wall of the suction space of the aspirator and the other end of which is fixed in an opening in the wall of said chamber, the aforesaid reciprocating valve being operative to close and open said duct thereby to determine whether the pressure medium

shall flow from the suction space of the aspirator to said chamber or discharge to the atmosphere, said valve and motion-transmitting means being so constructed and arranged that during exhalation gaseous medium is withdrawn from said chamber by the aspirator, and during inhalation gaseous medium under pressure is delivered directly from the suction space of the aspirator to said chamber.

2,481,300
PROCESS FOR PURIFYING HYDROCARBONS
Willem Frederik Engel, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 2, 1947, Serial No. 751,948. In the Netherlands August 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 10, 1963
7 Claims. (Cl. 196—36)

6. The process of removing halogen impurities from hydrocarbons which comprises contacting said hydrocarbons at a temperature of from about 250° C. to about 475° C. and under substantially anhydrous conditions with a catalyst consisting essentially of active carbon in combination with an alkaline compound of a metal of the group consisting of alkali and alkaline earth metals, thereby retaining said halogen impurities in said catalyst and recovering said hydrocarbons free of any substantial amount of said halogen impurities.

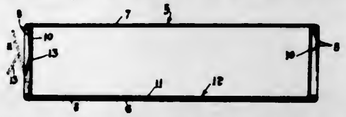
2,481,301
TOY CAP RIFLE
Benjamin Eulenfeld, St. Simon Island, Ga.
Application February 17, 1948, Serial No. 8,850
9 Claims. (Cl. 42—57)



1. In a toy gun simulating a rifle, a fulminate tape exploding mechanism comprising an anvil, having an arcuate extension defining a casing for a cap chamber, a hammer pivoted in alignment with said anvil, cocking means for said hammer, means for holding said hammer in a cocked position reciprocating means carried by said cocking means for withdrawing tape from the chamber and feeding the same about the arcuate extension into alignment between the anvil and hammer, means for retaining said reciprocating means in engagement with said anvil and means for releasing said holding means from the hammer and means responsive to said last means for urging the hammer into striking engagement of said anvil.

2,481,302
TRANSPARENT DISPLAY CONTAINER WITH SLIDE
Samuel Fogel, Montreal, Quebec, Canada
Application June 6, 1946, Serial No. 674,887
3 Claims. (Cl. 206—45.34)

1. A display container comprising an outer casing having a bottom wall and transparent top and side portions, the ends of said casing being open and formed to provide continuous inwardly projecting slide-retaining beads and a separately formed article-supporting slide adapted to be slidably inserted in the casing by forcing it past one of said beads, said slide comprising a bottom article-supporting wall and upwardly extending



end walls hingedly joined to the ends of said article-supporting wall, said end walls being slightly larger than the openings defined by said beads and being arranged to bear against the inner sides of the beads in the inserted position of the slide to close the ends of said casing and to cooperate with the beads in resisting relative endwise positioning of the casing and slide.

2,481,303
CABLE CONNECTOR
John R. Frank, St. Charles, and Walter Allen Plagenberg, Sr., Berkeley City, Mo., and Everett B. McCarty, Alton, Ill.
Application May 7, 1947, Serial No. 746,586
10 Claims. (Cl. 285—6.5)



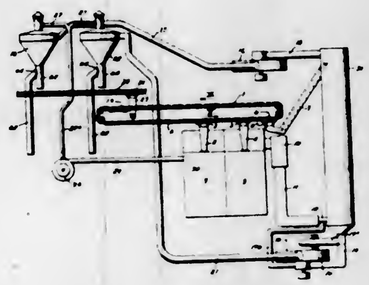
1. A cable connector comprising a housing, means for securing said housing to a receptacle, a slot in said housing, cable engaging means pivoted in said slot, means for adjustably urging said cable engaging means, a shim in said house.

2,481,304
NAIL SET
Bart W. Frevel, Minneapolis, Minn.
Application June 21, 1946, Serial No. 678,338
3 Claims. (Cl. 145—46)



3. The structure set forth in claim 2, the exposed end of said soft metal being of concave form.

2,481,305
APPARATUS FOR DRYING BAGASSE
Charles W. Fuller, Clewiston, Fla.
Application October 4, 1945, Serial No. 620,366
5 Claims. (Cl. 110—7)



1. In an apparatus for drying wet material of the bagasse type for use as a fuel or in the manufacture of board and paper, comprising a drying tower consisting of a vertical tubular casing, means for discharging the bagasse into the upper portion of the tower, means for drawing hot air and gases upwardly through the tower from the bottom thereof and discharging the same at the top, a series of spaced alternating stationary and revolving baffles arranged in said casing and comprising inner conical baffles, a shaft rotatably mounted axially through the casing and to which said inner baffles are secured, means for rotating the shaft, said inner baffles having their peripheral edges spaced from the wall of the casing, outer frusto-conical baffles arranged alternately between the inner baffles and extending from said wall inwardly beneath the peripheral edges of the inner baffles in inverted position inclined inwardly with their small ends open at the bottom to receive the material from the inner baffles in cascades and dropping downwardly through the tower from one cone to the other, said inner baffles having curved vanes thereon to give the bagasse a centrifugal motion as it is thrown off from the revolving baffles, said outer baffles receiving the material from the inner baffles and discharging the same at the bottom upon the inner baffles therebeneath, said hot air and gases passing upwardly in a tortuous path at the inside of the outer baffles and outwardly of the inner baffles within the casing and prevented from passing between the outer baffles and the casing, means to prevent adherence of the material upon the surfaces of the outer baffles, the fines passing off with the heated air and gases at the top, a grinder receiving the material at the bottom of the tower, means for exhausting and conveying said material therefrom, means for supplying hot air and gases to said grinder and latter means, means for conveying the dried material from said latter means for discharge to the furnace or storage, and a separator adapted to receive the fines together with the hot air and gases from the top of the tower for discharge to a furnace and also adapted to receive the bagasse from the conveyor leading from the bottom of the tower after passing through the grinder for discharge to the furnace or storage.

2,481,306
ELECTROCHEMICAL POLISHING OF TANTALUM
John F. Gall, Narberth, and Henry C. Miller, Wyndmoor, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Original application March 15, 1944, Serial No. 526,656. Divided and this application September 17, 1948, Serial No. 49,853.
2 Claims. (Cl. 204—140)

1. The electropolishing of metallic tantalum by making it anodic in an electrolyte, containing 2%–7% by weight of hydrogen fluoride and 32%–38% by weight of hydrochloric acid, the combined acid concentration being between 34% and 45%, the balance being substantially water, and passing current at an anodic current density of from 40 to 160 milliamperes per square centimeter until the metal surface has developed a high, mirror-like polish.

2,481,307
STABILIZATION OF HALOGEN-CONTAINING PLASTIC COMPOSITIONS
Philip James Garner, Heston, Wirral, and Peter Gordon Croft-White, Chester, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 11, 1947, Serial No. 740,974. In Great Britain May 2, 1946
8 Claims. (Cl. 260—45.75)

1. A heat and light stabilized plastic composition containing polyvinyl chloride and between 1 and 10 per cent by weight of normal barium octylsalicylate based on the weight of polyvinyl chloride.

2,481,308
TRACTION CHAIN DEVICE
Richard C. Goff, Rockville, Md.
Application April 8, 1947, Serial No. 739,991
2 Claims. (Cl. 152—231)
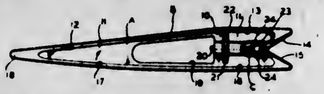


2. A tire traction device for vehicle wheels comprising a pair of separate sections each having a front and rear cuff of elastic material, stiffening beads in the cuffs, cross chains between the cuffs and secured to the outer beads, transversely arranged means engaging the outer beads of each section and securing the adjoining ends of each section, and transversely arranged attaching chains on the ends of the outer beads of the inner cuff and hooks on said chains engageable with the opposite bead of the other section for securing the ends of the sections to each other.

2,481,309
SHARPENING TOOL
Elof Gunnarsen, Minneapolis, Minn.
Application February 15, 1947, Serial No. 728,756
2 Claims. (Cl. 51—187)

1. A sharpening tool including a body portion

having a hand hole formed through said body portion to permit free gripping of the same, outer angularly disposed surfaces formed on said body having parallel longitudinal sides, a strip of abrasive material approximately the same width as said surfaces, means for gripping said abrasive material to draw the same taut over said surfaces,



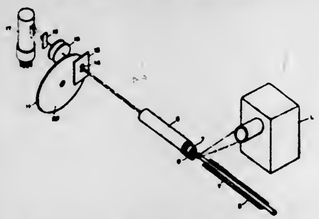
said means including a clamp, threaded screw and a nut for opening and closing said screw and clamp, and cam surfaces adjacent said clamp to progressively restrict the jaws of said clamp to close and bite into said abrasive material as the same is drawn taut over said outer surfaces of said body.

2,481,310

METHOD OF AND APPARATUS FOR INDICATING CROSS SECTIONAL AREA OF A BORE OF A CAPILLARY TUBE

Franklin B. Hutchinson and Carlton W. Miller, Rochester, and Robert D. Thompson, East Rochester, N. Y. assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York

Application November 14, 1947, Serial No. 786,110
8 Claims. (Cl. 88—14)



1. The method of measuring the total cross-sectional area of the bore of a capillary tube which comprises supporting the tube in a steady position, directing light at the interior surface of the bore at one end thereof thus illuminating the entire area of the bore at one end thereof more brightly than the surrounding area of the tube, producing an image of the illuminated area, scanning the image of the illuminated bore area to develop light pulses proportional in duration to said area, translating said light pulses into correspondingly shaped electrical pulses, integrating said electrical pulses over a scanning cycle, and indicating the result of said integration of these pulses.

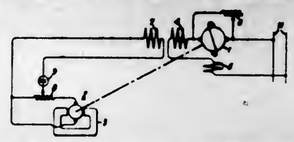
2,481,311

REGULATED SPEED MOTOR SYSTEM

Ray D. Jones and Frank W. Merrill, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

Application January 10, 1947, Serial No. 721,204
15 Claims. (Cl. 318—308)

1. In a regulated-speed motor system the combination of an electric motor having a field winding for controlling the speed, an auxiliary generator driven by said motor and having its armature connected to energize the field winding of said motor, and a gas-filled discharge tube having a definite discharge voltage and a constant terminal voltage after discharge and arranged in circuit between said field winding and said generator armature whereby said field winding is ener-



gized after a predetermined voltage output of said generator is obtained.

2,481,312

CLOSURE FOR WASHING BOWLS, SINKS, AND PLUMBING FIXTURES

Louis A. Kirschner, Chicago, Ill.

Application August 28, 1946, Serial No. 693,442
3 Claims. (Cl. 4—287)



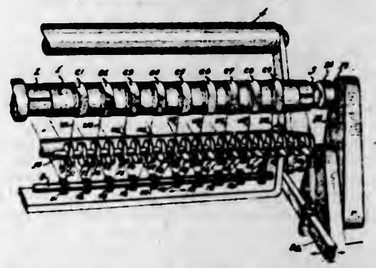
3. A closure comprising a sleeve, a plug having a plug body slidable in said sleeve, guide means on said sleeve, a plurality of equally spaced trackways in said plug body, each trackway comprising an upper and a lower vertical slot connected by a horizontal slot, said upper slot cooperating with said guide means through which said plug is normally operated, said lower slot leading outwardly of said body, said plug body having a resilient and outwardly expanded portion adjacent the lower slots so constructed and arranged to frictionally engage said sleeve and maintain the plug in any of its raised positions.

2,481,313

ART OF WINDING COILS

Harry V. Knauf, Jr., Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 21, 1946, Serial No. 687,447
5 Claims. (Cl. 154—80)



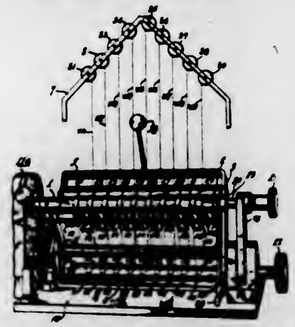
1. The method of making a form-mounted coil from a wire, a coil-form, and a dry coating of a synthetic resinous thermosetting adhesive in an intermediate stage of fusibility, which comprises winding said wire upon said coil form while subjecting said dry-coating to a temperature sufficiently high to render said coating tacky yet not so high as to thermoset said adhesive and, subsequent to said winding operation, subjecting said form-mounted coil to a temperature sufficiently high to completely thermoset said adhesive.

2,481,314

COIL-WINDING MACHINE

Harry V. Knauf, Jr., Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application July 21, 1946, Serial No. 687,447. Divided and this application September 27, 1946, Serial No. 699,617
3 Claims. (Cl. 242—9)



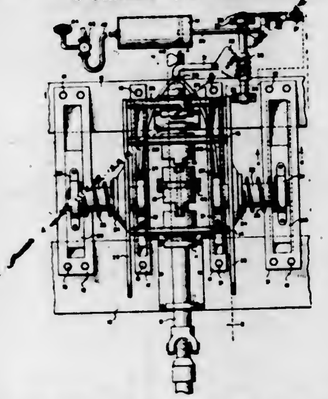
1. In a coil winding machine, a rotatable arbor, a movable support, a pair of wire guides mounted on said movable support in spaced array along a line parallel to the axis of rotation of said arbor, said wire guides having opposed faces between which a wire is adapted to pass in its journey to said arbor, a wire clamp mounted on the outer face of one of said guides in a position to receive said wire when said wire is placed therein upon completion of a winding interval, and lever means for moving said support and hence said wire guides and said clamp away from said mandrel with sufficient force to sever said clamped wire at a point intermediate said clamp and said arbor.

2,481,315

VARIABLE RATIO DRIVE

Wayne Lehnert, Peotone, Ill.

Application January 25, 1946, Serial No. 643,263
2 Claims. (Cl. 74—196)



1. Mechanism of the character described, comprising a rotary driving element, a rotary driven element, opposed friction disks parallel with and confronting the driving and driven elements, friction gears loose on the driven element and engaging the disks, at opposite sides of the centers thereof, means for clutching either gear to the driven element, and friction gear connections between the driving element and the said disks.

2,481,316

SURGICAL DRESSING ELEMENT

Jean François Le Lous, Dijon, France

No Drawing. Application July 12, 1945, Serial No. 604,730. In France April 18, 1945
2 Claims. (Cl. 128—156)

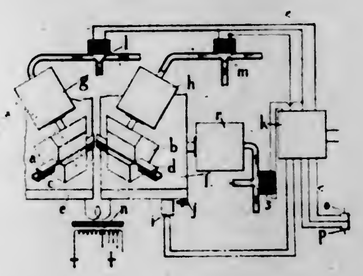
1. A surgical dressing for wounds and sores consisting of smooth, non-porous, non-absorptive, non-combustible, imputrescible, non-metallic fibers, interengaged with one another to form an open-meshed dressing whereby draining from the wound is permitted and adhesion of the dressing to the wound or sore is avoided, said dressing containing an oiling substance in an inner part of said dressing for imparting flexibility thereto and having a surface of said dressing de-oiled, said de-oiled surface, when placed in contact with the wound or sore, avoiding contact between the oiling substance and the wound or sore.

2,481,317

ELECTRIC WELDING APPARATUS

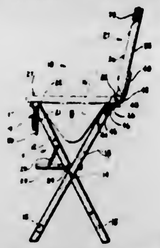
Basil Heathcote Lepine-Williams, Coventry, England

Application August 21, 1947, Serial No. 769,926
In Great Britain September 16, 1946
2 Claims. (Cl. 219—4)



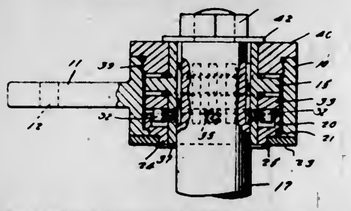
1. Electric welding apparatus comprising a fixed head to support a first electrode, a movable table to support a second electrode, means for moving the said movable table to and from the said fixed head to make contact between the said first and second electrodes and to complete the welding cycle, movable clamping means upon the fixed head to secure the said first electrode thereupon, movable clamping means upon the movable table to secure the said second electrode thereupon, a delay device including control means associated with the means for moving the said movable table and the means for moving the movable clamping means, adjustable means fixed upon the fixed head and movable table operated by movement of one member towards the other to initiate the delayed cycle of operation including the releasing of the clamps and movement of the table away from the fixed head and manually operable means for controlling the closing of the clamps and movement of the table towards the fixed head.

2,481,318
COLLAPSIBLE BATH AND DRESSING TABLE
Irving Lonstein and Jack Glick, New York, N. Y.
Application August 14, 1946, Serial No. 690,584
9 Claims. (Cl. 4—177)



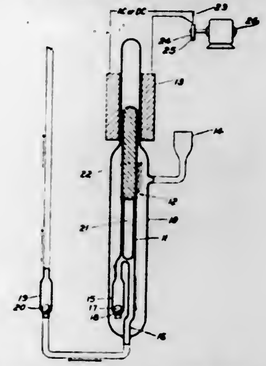
1. A device including a cross-legged type stand, a dressing table swingably mounted on the stand to move between operative overlying position with respect to the stand and to depending position alongside of the stand, the dressing table having a frame having three sides consisting of channel elements and a fourth side consisting of a wooden element, the dressing table having a taut canvas cover having marginal metallic clips for engaging flanges of the channel elements, said cover being nailed to the wooden element.

2,481,319
ADJUSTING MECHANISM BETWEEN BRAKE SHAFT AND LEVER
Kirkland B. MacDougall, Benton, Pa.
Application August 19, 1947, Serial No. 769,393
2 Claims. (Cl. 188—79.5)



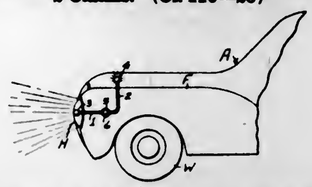
1. In a self-adjusting brake mechanism, a hollow cylindrical casing having open opposite sides, an operating arm carried by the casing, a ratchet gear having teeth on opposite sides thereof positioned within the casing, a sleeve of uniform diameter on which said ratchet gear is fixed between the ends thereof, a closure for one side of the casing having teeth integral therewith, the said closure teeth being disposed interiorly of one end portion of the casing concentrically with respect to the sleeve on one side of the ratchet gear and the teeth thereof being removably engageable with the teeth on one side of the ratchet gear, a gear ring having teeth on one face to removably engage the teeth of the ratchet gear on the other side thereof, a pawl adjacent the gear ring and concentric with the ratchet gear sleeve in the other end portion of the casing and having pawl means for inter-engagement with means on the other face of the gear ring, an integral shoulder on the casing extending into the pawl, a bracket which acts as a closure for the other side of the casing irremovably joined with the pawl on the opposite side of the shoulder, spring means held by the pawl for elastically urging the gear ring against the ratchet gear and the teeth on the closure against the ratchet gear, and there being a space greater than a tooth depth and less than twice the tooth depth of all of the said mentioned teeth between the gear ring and the pawl which will prevent simultaneous disengagement of the ratchet gear teeth from the teeth on the closure and the teeth on the gear ring.

2,481,320
MAGNETIC PUMP
Samuel L. Madorsky, Washington, D. C., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 5, 1945, Serial No. 597,651
6 Claims. (Cl. 103—53)



1. A pump comprising a reservoir, a cylinder vertically disposed therein, said cylinder having an interior working space, a vertically reciprocable plunger, the lower portion of said plunger normally occupying the working space of said cylinder, and being guided by said cylinder in its reciprocating movement, the upper portion of said reservoir being constructed and arranged to guide the upper portion of said plunger in its reciprocating movement, means for periodically raising said plunger, said plunger being weighted to fall by gravity to its normal position, means for supplying liquid to said reservoir, means responsive to the head of liquid in said reservoir for establishing communication between the reservoir and cylinder upon upward movement of the piston, an exhaust conduit leading from said cylinder to the exterior of said reservoir, and a normally closed check valve in said conduit adapted to be opened by the liquid displaced by said piston in its gravity induced downward movement.

2,481,321
VISIBLE HEADLIGHT INDICATOR AND GUIDE
Theodore A. Marcinik, Latrobe, Pa.
Application February 13, 1947, Serial No. 728,347
2 Claims. (Cl. 116—28)



1. A motor vehicle indicator comprising an L-shaped bracket having a horizontally disposed

forwardly extended arm and a vertically disposed arm positioned on the rear end of said horizontally disposed arm, said bracket formed of material adapted to transmit light, and means mounting the bracket on the outer side surface of a front fender of a motor vehicle with the arms spaced from the outer surface of the fender providing a guide for the fender and with the forward end of the horizontally disposed arm positioned slightly ahead of the lens of the headlight of the vehicle and in the path of rays of light of the headlight, said headlight being positioned in said fender and said bracket positioned with the upper end of the vertically disposed arm positioned above the upper surface of the fender.

2,481,322
STABILIZED BITUMINOUS EMULSION
Paul E. McCoy, San Francisco, Calif., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 11, 1946, Serial No. 640,677
7 Claims. (Cl. 252—311.5)

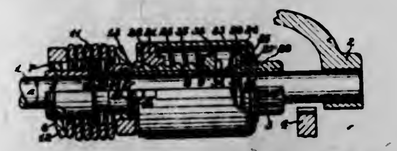
1. A freely flowing, full mixing, non-fermentable, non-grainy oil-in-water type emulsion capable of mixture with fine aggregates without breakdown, comprising 50–70% by weight of water-insoluble, water-dispersible high molecular weight, thermoplastic organic material dispersed in 20–50% by weight of water and containing 0.25–10% by weight of a high molecular weight waste soda liquor derivative described as follows: substantially insoluble in water, benzene, carbon tetrachloride, ether, and 5.5–9.0 pH waste soda liquor: soluble in aqueous caustic solutions, diethylene oxide, phenols, acetone, ethyl alcohol: said waste soda liquor derivative being substantially free of ash, alkali metal salts, hemicelluloses and other low molecular weight organic compounds.

2. The composition of claim 1 in which the organic material is bituminous.

2,481,323
BITUMINOUS EMULSIONS AND THE LIKE
Paul E. McCoy, San Francisco, and George S. Smith, Berkeley, Calif., assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1946, Serial No. 665,336
16 Claims. (Cl. 106—277)

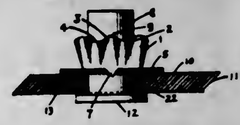
1. In the process of incorporating an alkali metal dichromate in a bituminous, oil-in-water type emulsion, the emulsified state of which is normally subject to breakdown by the addition thereto of such alkali metal dichromate, the improvement which comprises forming an aqueous solution of said alkali metal dichromate, dissolving in such aqueous alkali metal dichromate solution, in a small amount sufficient to raise the pH of said aqueous solution to within the range of about 7 to 9.5, a water-soluble, volatile, fugitive nitrogen base having an atmospheric pressure boiling point not higher than 200° C. and then incorporating said aqueous solution, with its pH so raised, in the said bituminous emulsion, in a small amount sufficient substantially to promote adhesion of the dispersed material to hydrophilic aggregate.

2,481,324
ENGINE STARTER DRIVE
Donald L. Miller, Pine City, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application June 23, 1947, Serial No. 756,464
5 Claims. (Cl. 74—7)



1. An engine starter drive including a screw shaft, a nut threaded thereon, a pinion, means for actuating the pinion from said nut including a driving clutch member rotatably mounted on the pinion having teeth with inclined torque-transmitting surfaces, means including a thrust shoulder on the pinion forming an abutment for the clutch member thereon, a driven clutch member splined on the pinion having teeth with inclined torque transmitting surfaces adapted to cooperate with those of the driving clutch member, and yielding means on the pinion pressing the driven clutch member against the driving clutch member, and the latter against the abutment means.

2,481,325
SELF-LOCKING MOUNTABLE FASTENER MEMBER
Edwin August Miller, Fairfield, Conn.
Application September 19, 1944, Serial No. 554,750
3 Claims. (Cl. 85—36)

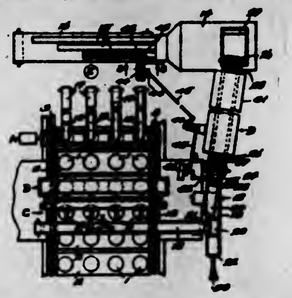


1. A self-locking fastener comprising a tubular shell of thin metal, the shell at one end having a flange; alternately spaced uniform convex and concave unbroken rim formations provided at the opposite end, the shell wall of said convex formations being inclined outwardly from said flange and the shell wall of said concave formations being inclined inwardly from said flange and converging toward the tubular axis; and cutting edges with which the most far-reaching portions of said concave formations are provided for engagement with a rivet over which the shell is adapted to be placed and behind shoulders cut into the surface of the rivet by the said cutting edges upon an attempted withdrawal of said shell from the rivet.

2,481,326
METHOD AND APPARATUS FOR MAKING HIGH-GRADE POTTERY WARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1942, Serial No. 491,124
24 Claims. (Cl. 25—22)

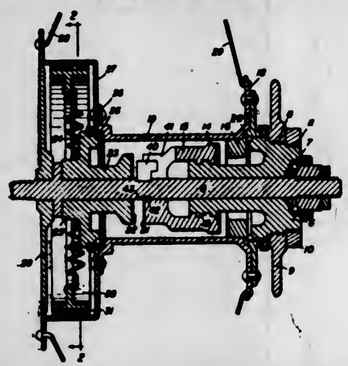
23. In the manufacture of jiggered dinnerware and the like, the method which comprises, com-

minuting the filter cakes in the plastic state before the material is initially pugged and there-



after adding comminuted scrap plastic clay thereto and pugging the two materials together.

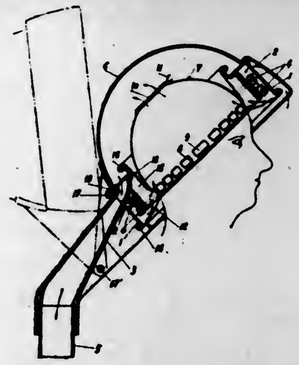
2,481,227
BICYCLE BRAKE
Robert Milliray, Santa Monica, Calif.
Application December 19, 1947, Serial No. 792,693
2 Claims. (Cl. 192—6)



1. In a bicycle brake and clutch, a wheel hub, a clutch ring secured to one end of the hub, a brake drum secured to the other end of the hub, a sprocket support rotatably supporting the first-named end of the hub and a cam rotatably supporting the second-named end of the hub, a collar movable longitudinally in the hub for alternate operating engagement with the clutch ring and cam, a pair of brake shoes in the drum, a plunger slidably carried by the drum and actuated by the cam, a spear-shaped head on the plunger engaging the brake shoes to apply the brake, and means operatively connecting the sprocket support to the collar for opposite sliding movement of the collar, said means comprising a screw feed between the sprocket mounting and the collar.

2,481,228
HAIR DRYING APPARATUS
Jean Meiseew dit Stone, Paris, France
Application June 12, 1947, Serial No. 754,426
In France June 18, 1946
3 Claims. (Cl. 34—99)

1. In a hair dryer, a removable yieldable bonnet adapted to confine in it the hair to be dried, a removable crown supporting said bonnet, electric resistances arranged in said crown for heating the incoming outside air required for drying said hair, flexible means forming an annular yieldable chamber carried by said crown and bonnet for conveying the heated air to the mass of said hair under the bonnet, a removable helmet adapted to form with said crown a closed air space over said bonnet, and air exhausting



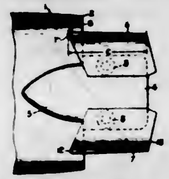
means removed from said helmet, crown and bonnet for exhausting air from said air space and thus compelling outside air to flow over, and be heated by, said resistances, then pass through said chamber into said mass of hair under the bonnet, traverse this mass while drying the same, and finally flow out through the open apex of said bonnet into said air space exhausted by said exhausting means.

2,481,229
SASH VENTILATING DEVICE
Seymour M. Menst, Brooklyn, N. Y.
Application October 31, 1947, Serial No. 783,293
6 Claims. (Cl. 292—202)



1. A sash ventilating lock comprising a part adapted to be located on one of the sashes and another part adapted to be connected to the other of the sashes, the one part comprising a base plate, an arm pivoted at one end on the base plate adapted to be swung into a position in alignment with the part on the other sash, said part on the other sash comprising a tube having a slot extending longitudinally therealong and open at the bottom, said tube having a plurality of vertically spaced openings communicating with said slot, said arm of the one part having a stud on its free end adapted to be extended into the tube as the bottom sash is elevated, and a locking rod extending from the stud to be engaged with any one of said spaced openings throughout the length thereof to have positive locking engagement therewith.

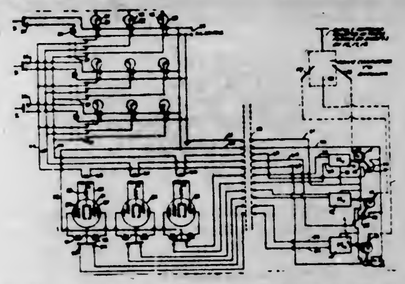
2,481,230
VARIABLE JET NOZZLE
Stanford Neal, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1946, Serial No. 688,733
5 Claims. (Cl. 60—35.5)



1. A variable fluid nozzle for the jet propulsion of aircraft comprising a jet pipe having an outer surface shaped so as to be surrounded during operation by fluid flowing smoothly at high velocities in a substantially axial direction with no radially outward velocity components, said jet pipe having an end portion terminating at comparatively thin diametrically opposed discharge edge portions lying in a plane substantially normal to the axis of the pipe, a pair of airfoil-shaped vanes adapted to be positioned with their mean chords substantially parallel in a neutral position, and means pivotally supporting said vanes for positioning through positive angles of attack from said neutral position about spaced parallel transverse axes, said axes being spaced axially downstream from the plane of the discharge edge portions and intermediate the leading and trailing edges of the vanes, the size and contour of the vanes being such that they may be positioned with the leading edges defining a pre-determined minimum clearance space with the discharge edge portions and the trailing edges of the vanes defining a jet orifice of reduced effective area, the radius of curvature of the leading edge of said vanes and the length of the chord being so related to the angle of attack and said minimum clearance space that the fluid flow over the exterior surface of the pipe merges smoothly with the flow through the clearance space to effect substantially streamline flow over the exterior surface of the vanes without substantial boundary layer separation therefrom when in the position of maximum angle of attack, and means for moving the vanes to positive angles of attack.

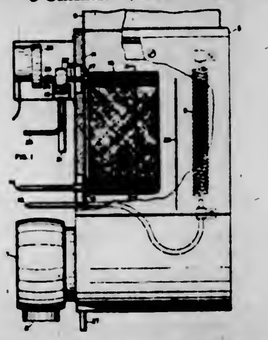
2,481,231
ANTENNA ORIENTATION CONTROL SYSTEM
William H. Newbold, deceased, late of Langhorne, Pa., by Hannah M. Newbold, executrix, Langhorne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 29, 1944, Serial No. 551,743
5 Claims. (Cl. 343—100)

1. In an antenna control system for a radio receiver having a plurality of channels, antenna control mechanism comprising a plurality of bridge circuits, a plurality of pairs of branches of said bridges being located at the receiver remote from said antenna, and a pair of branches common to said plurality of pairs of branches, said common branch being connected to and operated with said antenna being controlled, a source of motive power for adjusting said antenna and said common pair of branches, means for connecting one of said pairs of branches at the receiver to said common pair of branches at the antenna, the antenna position thereupon determining the relative balanced condition of said bridge, and means including circuit connections energised by an unbalanced condition in said



bridge for driving said motor to adjust said antenna and said common pair of branches until said bridge is balanced.

2,481,232
HYGROMETER
Floyd B. Newell and Vincent E. Matner, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application December 10, 1947, Serial No. 790,770
6 Claims. (Cl. 297—2)

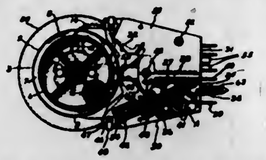


6. In combination with the wet bulb of a hygrometer mechanism for supplying moisture to said bulb comprising a reservoir provided with means for maintaining a uniform level of liquid therein, a scoop in the form of a Bourdon tube having inner and outer open ends, a pipe fixed to and communicating with the inner end of said tube and mounted to rotate on a horizontal axis above the level of said liquid, the outer end of said tube extending away from said axis in a direction to dip a uniform depth into said liquid as the scoop is rotated, whereby liquid is delivered into said pipe, means for rotating said tube and pipe at a uniform rate, and means for delivering the liquid in said pipe to said bulb.

2,481,233
ELECTRIC SWITCH MECHANISM
Heber L. Newell, Fishkill, N. Y., assignor to General Electric Company, a corporation of New York
Application April 27, 1944, Serial No. 535,501
5 Claims. (Cl. 200—33)

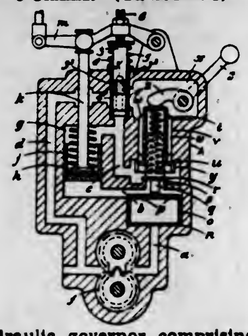
2. A switch mechanism comprising a flat base of insulating material, a plurality of recesses in opposed faces of said base, a plurality of switch units each carried by the base within a respective

one of said recesses and comprising fixed and movable switch contacts, each said fixed and movable contact having a conducting blade projecting beyond an end of the base for connection with a



plug receptacle, actuators for the movable contacts, and a cam drum supported externally of and in fixed relation to said base for moving said actuators.

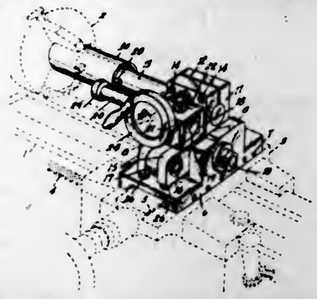
2,481,334
HYDRAULIC GOVERNOR
Wilfrid Edward Walter Nicolls, Acton, England, assignor to C. A. V. Limited, Acton, England
Application March 26, 1946, Serial No. 657,085
In Great Britain March 28, 1945
6 Claims. (Cl. 264—14)



1. A hydraulic governor comprising a liquid circulating pump having an inlet and an outlet, a delivery passage communicating with said outlet, a return passage communicating with said inlet, a third passage forming with said delivery passage and said return passage a liquid circulatory path between said inlet and outlet, a main valve responsive to the speed of said pump for establishing communication between said delivery passage and said third passage, a manually variable loading spring opposing opening movement of said main valve, a chamber communicating at opposite ends with said delivery passage and said third passage respectively, a spring loaded movable member arranged in said chamber so as to be responsive to liquid pressures in said delivery passage and third passage, a variable choke for establishing communication between said third passage and said return passage, means for varying said choke in response to movement of said movable member, and a by-pass valve for establishing communication between said third passage and said return passage independently of said choke.

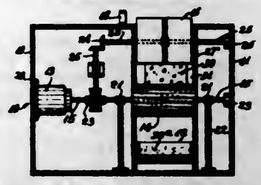
2,481,335
BORING FIXTURE FOR MACHINE TOOLS
Ernest R. Olsen, Rudolph F. Flora, and Clifford J. Lennes, Muskegon, Mich., assignors to Hastings Manufacturing Company, Hastings, Mich.
Application September 13, 1946, Serial No. 696,878
13 Claims. (Cl. 77—61)

1. In combination with a lathe having a movable carriage, a boring fixture comprising a base adjustably secured to said carriage, upstanding ears on said base, a first shaft journaled in said ears, a boring bar holder mounted on said first shaft and rockable thereon relative to said base, forwardly extending ears formed on said boring bar holder, a second shaft journaled in said forwardly extending ears and parallel to the said first shaft, a follower bar holder secured to said second shaft rockable thereon relative to said boring bar holder, a hand wheel threadedly connected with said boring bar holder and engageable with said follower bar holder to clamp said holders together, a spacer member removably positioned



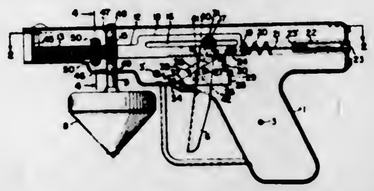
between said boring and follower holders to limit the action of said wheel, spring means positioned between said holder members to resist clamping action of said hand wheel, spring means positioned between said base and said boring bar holder and on the opposite side of said second shaft from said first shaft, a boring bar mounted in said boring bar holder parallel to said shafts and having a pair of longitudinally spaced cutting tools secured thereon, and a follower bar mounted in said follower bar holder parallel to said shafts and having a bearing rotatably mounted on the free end thereof in spaced relationship with the inner of said cutting tools.

2,481,336
ROTARY DRUM CHEESE GRATER
Joseph Orlando, Brooklyn, N. Y.
Substituted for application Serial No. 635,716, December 18, 1945. This application April 30, 1949, Serial No. 90,743
1 Claim. (Cl. 146—92)



A portable cheese grinder, comprising a housing provided with opposing vertical walls having circular openings therein, a drum having external helical cheese cutting means disposed horizontally between the vertical walls with its ends projecting into the openings thereof, a shaft extending through the drum, bearings for supporting the shaft, means for rotating the shaft, the shaft having a worm thereon located outwardly of said walls, a vertical shaft having a worm gear engaging the worm, a cheese feeding block positioned between the side walls directly over the drum, a gear toothed rack on said feeding block, a horizontal shaft having a gear to engage said rack, and gearing between the vertical shaft and said last-named horizontal shaft, whereby the feeding block will be forced downwardly to increase pressure on cheese positioned over the drum at the same time the drum is rotated.

2,481,337
SOUNDING TOP SPINNER
George Palken and Nathan Einis, Dorchester, Mass.
Application September 9, 1946, Serial No. 695,712
4 Claims. (Cl. 46—67)



1. In a toy of the type described for spinning a top, said toy having the form of a gun with an elongated barrel, a bar having a rack member at one end positioned in said barrel and adapted to be moved longitudinally in respect thereto, spring means operating with and against the bar, a trigger member having a fixed pivot with reference to said gun, a second member pivoted to said trigger member having an extending arm engaging teeth associated with said bar, a pawl normally engaging said teeth for holding said bar against the action of the spring and means for manual adjustment of said second member whereby when said trigger is pulled the pawl restraining the bar is removed from engagement with the teeth and the bar released.

2,481,338
FISHING ROD HOLDER AND REEL LOCK
Charles O. Palmer, Berghols, Ohio
Application March 7, 1947, Serial No. 733,129
4 Claims. (Cl. 43—4)

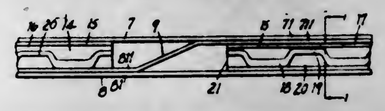


1. A fishing rod support comprising a rod provided with a bend at a point intermediate its ends to provide angularly disposed legs, one of said legs being formed adjacent said bend with a cradle loop for the handle of the rod and a reel-engaging loop arranged to lock the handle of a reel, and the end of the latter leg being provided with a loop in which the rod adjacent its tip can rest.

2,481,339
DRILLING FLUID COMPOSITION
Charles S. Penfield, Bakersfield, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 1, 1947, Serial No. 758,471
5 Claims. (Cl. 252—8.5)

1. In the drilling of oil wells, the method of overcoming loss of circulation comprising the steps of adding small pieces of an oil-resistant synthetic rubber to the drilling fluid, circulating the resultant composition in the well in contact with the face of a porous formation and causing said composition to form a substantially fluid-impervious sheath on the face of said formation.

2,481,340
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application August 30, 1948, Serial No. 46,900
9 Claims. (Cl. 309—48)

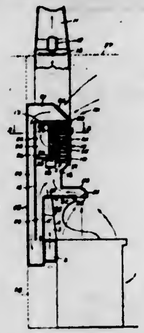


1. A piston ring assembly comprising spaced thin expansible side members and a split expansible spacer member intermediate said side members, said side members being disposed to present their outer edges to a cylinder wall and disposed to present their outer side surfaces to the opposite side walls of a piston ring groove, each side member having end portions overlapping approximately one-half the circumference of the side members and having an axially inwardly offset portion disposed at the attached end of one end portion and adjacent the free end of the other end portion, the offset portion in axial extent being approximately equal to the thickness of said adjacent end portion, the offset portion permitting the outer face of the side member to lie substantially entirely in a plane and permitting said face to engage the side wall of a ring groove substantially the entire length of the circumference of said side wall, said offset portion being circumferentially slightly spaced from said adjacent end to permit the side member to expand and contract in a ring groove, said spacer member being formed of ductile metal folded upon itself into a plurality of integrally connected superimposed plies, the bottom wall of the spacer member being upwardly bent at spaced intervals to provide alternate spacer and drain reaches, said spacer member opposite from the split thereof having an axial offset portion to permit the portions on the opposite sides thereof to lie in axially spaced planes, the axially offset portions of the side members and spacer member being in substantially axial superimposed relation, the spacer member having a gap at the split thereof, the inner ends of the side members being integrally connected by an axially extending offset portion disposed in the gap of the spacer member.

2,481,341
VENTILATING DEVICE FOR KITCHENS AND KITCHEN STOVES
William A. Pledger, San Francisco, Calif.
Application October 3, 1945, Serial No. 620,035
8 Claims. (Cl. 126—299)

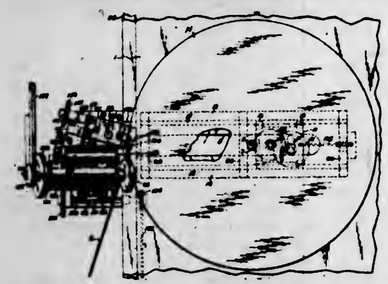
1. The combination of a cooking stove adapted to be disposed with its rear side adjacent to a wall, with a ventilating device comprising means forming a chamber above the stove; a plurality of air filters in said chamber dividing the same into a mixing and an inner compartment; said chamber having a spout for drawing fumes from the top of the stove into said mixing compartment; an air chest on the top of said chamber, said chest having means for admitting room air thereinto; means substantially coextensive with the length of the stove, for conducting air from said air

chest downwardly to the rear of the stove and upwardly to the mixing compartment for mixing said air with the fumes of the stove; a stack; and



means for drawing air from said mixing compartment through said filters into the inner compartment and into the stack.

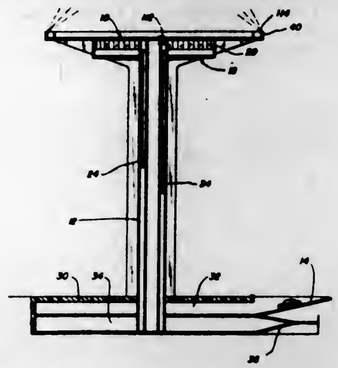
2,481,342
STRIP CUTTING MACHINE
Leroy Q. Presby, Melrose, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application August 22, 1945, Serial No. 612,092
12 Claims. (Cl. 164—37)



1. A machine for substantially spirally cutting a strip from a circular sheet of flexible material having, in combination, a knife for severing the strip spirally from the sheet, means for supporting the sheet for axial rotation and advancing the rotating sheet radially toward the knife, and means for operating upon that portion only of the sheet which is to be severed therefrom, at a point close to but in advance of the knife, for placing the portion of the sheet between its axis and the point of contact of the last mentioned means therewith under radial tension, whereby the knife cuts through the portion of the sheet so tensioned.

2,481,343
HELICOPTER STATION
Louis G. Redstone, Detroit, Mich.
Application January 3, 1947, Serial No. 720,012
7 Claims. (Cl. 244—114)

1. A helicopter landing and take-off structure comprising, in combination, a generally circular platform having an area such as to accommodate a plurality of helicopters, a single relatively narrow hollow column located below the platform in axial alignment with the center thereof and forming the sole means for supporting the platform at a substantial height above the ground, an underground supporting foundation for the column located below the base of the column and being hollowed out to provide one or more automobile parking areas therein,



a ramp leading upwardly from the parking areas and opening out on the ground level at one side of the column up and down which automobiles may travel to and from the parking areas, and one or more elevators in the column for carrying passangers and freight from the parking areas in the underground supporting foundation to the top of the column.

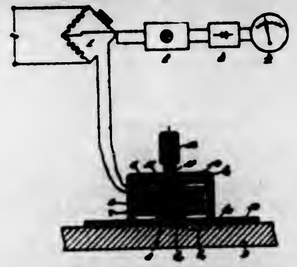
2,481,344
FLUORESCENT ZINC OXIDE PIGMENTS
Lawrence J. Reimert and Erastus A. Fatzinger, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 13, 1947, Serial No. 754,590
9 Claims. (Cl. 252—301.6)

7. A fluorescent pigment comprising the product of calcining in a reducing atmosphere at a temperature within the range of about 850° to 1000° C. a mixture consisting of (1) a base material composed of zinc oxide and magnesium oxide, the magnesium oxide comprising from about 3% to about 50% by weight of the zinc oxide-magnesium oxide mixture, and (2) from about 0.25% to about 5% lithium sulfate by weight of the base material.

2,481,345
DEVICE FOR MAGNETICALLY DETERMINING THICKNESS OF COATINGS
Maximilien Félix Reynst, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 9, 1946, Serial No. 668,626
In the Netherlands June 7, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 7, 1961
2 Claims. (Cl. 175—183)

1. Apparatus for magnetically determining the thickness of a layer of magnetic material, comprising a closed flux path including a core of magnetic material consisting of two concentric portions which are connected to one another at one

end and including a longitudinal opening in the said inner core at the said end, a layer of the said material to be measured and a removable armature, a coil element surrounding the said inner portion and means formed of magnetic material



and rotatably and longitudinally movable in the said opening to vary the amount of the total magnetic material in the said flux path positioned within the limits of the said element, the said means being independent of the thickness of the said material.

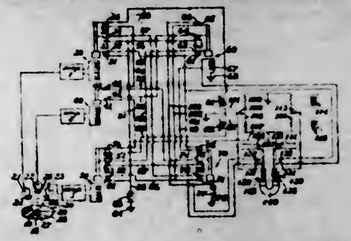
2,481,346
FISHING FLOAT
Thomas Scott Rigby, Miami, Fla.
Application June 27, 1949, Serial No. 101,520
2 Claims. (Cl. 43—49)



1. An improved fishing float comprising a float body, a line retaining stem carried by the body and composed of relatively movable members, one at least of which is resilient and tending to close against the companion member, said members having therebetween a wedge slot with inclined walls converging inwardly toward the float body, said members also having a fishing line freeway larger in diameter than the fishing line outwardly of the wedge slot and communicating at its inner portion with the larger end of the wedge slot, a constricted throat narrower than the diameter of the fishing line outwardly of the freeway and in alignment with the wedge slot and communicating with the outer portion of the freeway, and convergent lips on the members outwardly of and leading to said constricted throat.

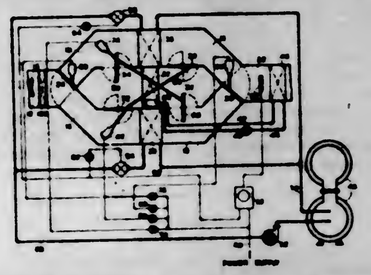
2,481,347
PHOTOELECTRIC COUNTING DEVICE
Theodore K. Riggen, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application October 23, 1946, Serial No. 705,269
8 Claims. (Cl. 313—439)

8. In combination with means for causing a procession of observable phenomena to traverse a field of view, means including a plurality of photoelectric devices for observing adjacent portions of the field of view arranged in a line substantially parallel to the direction of motion of said phenomena so as to cause said phenomena to be observed by the photoelectric devices in sequence, and means actuated by the photoelectric devices for totaling the number of said phe-



nomena observed by said devices, including further, means controlled by the totalizing means for producing a signal when the photoelectric devices have observed a predetermined number of said phenomena.

2,481,348
AIR-CONDITIONING APPARATUS WITH DEFROSTING MEANS
Clarence L. Ringquist and Robert G. Miner, La Crosse, Wis., assignors to The Trane Company, La Crosse, Wis.
Application August 21, 1946, Serial No. 691,982
13 Claims. (Cl. 62—6)



1. In an air conditioning apparatus comprising a casing with air inlet and outlet and two ducts, means to move the air through said casing and through a first coil positioned in one of said ducts and then through a second coil positioned in the other of said ducts, means to selectively send the air through one or the other of said ducts first as desired, and means to supply refrigerant to whichever of said coils is last in the path of said air, and to cut off the supply of refrigerant to the coil first in the path of said air, both of said last two means being responsive to conditions indicating that one of the coils in the ducts has become frosted.

2,481,349
POLYMERIZATION OF ORGANIC SILICON COMPOUNDS
Norman P. Robie, Lewiston, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application July 17, 1944, Serial No. 545,297
11 Claims. (Cl. 260—46.5)

4. An organic resinous silicon polymer obtained by polymerizing at least one silicol having the monomeric formula $(R)_aSi(OR')_b(OH)_{4-a-b}$,

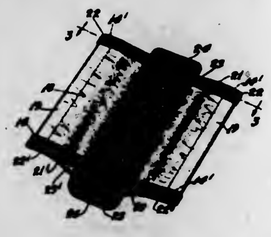
wherein R is an organic hydrocarbon radical selected from the group consisting of alkyl and aryl radicals, R' is a residual aliphatic grouping of an unsaturated aliphatic monohydroxy alcohol having terminal $CH_2=$ unsaturation after removal of an hydroxyl group therefrom, n and x are integers within the limits of 1 and 2, and $n+x$ is an integer less than 4 and more than 1.

2,481,350
JOINT BAR FOR SECTIONAL TABLES
Philip Rosenberg, New York, N. Y., assignor to Universal Steel Equipment Corporation, New York, N. Y., a corporation of New York
Application March 25, 1947, Serial No. 737,159
2 Claims. (Cl. 311—4)



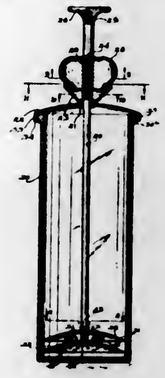
2. A joint bar of non-metallic material for table joints comprising a continuous central body portion, a continuous head portion projecting outward at both sides from the central body portion, and a series of side body portions at spaced intervals along opposite sides of the central body portion, said side body portions being separated from the continuous head portion by channels of substantially uniform width, and the successive side body portions being separated from one another by spaces each of which has the shape of a cylinder segment, the side body portions being reduced to predetermined thickness in arcuate areas bordering upon and concentric with the segmental spaces.

2,481,351
GARMENT
George Rosenfield, Elizabeth, N. J.
Application July 23, 1947, Serial No. 763,043
2 Claims. (Cl. 128—288)



1. A substantially rectangular pad support sheet adapted to be secured to an undergarment at the crotch portion thereof; a pair of relatively narrow, flexible bands overlying the top surface of said sheet in spaced, parallel relation to each other, each of said bands having its opposite ends secured to opposite side edges of said sheet with the portions between said ends unattached to said sheet, the length of each band being less than the distance between said opposite side edges of said sheet to which the ends of each band are attached, to provide a space between the top surface of the sheet and the undersurface of each of said bands; and fastener means on each band at the unattached, medial portion thereof engageable with complementary fastener means on the top surface of a hygiene pad member near opposite ends thereof to secure said member to the medial portions of said bands with the ends of the pad member within the spaces between the top surface of said sheet and the undersurface of said bands, said bands flexibly suspending said pad member to permit substantial movement of the same with respect to said support sheet.

2,481,352
EGG BEATER
Vincent Sabatella, New York, N. Y.
Application April 21, 1948, Serial No. 22,409
5 Claims. (Cl. 259—113)

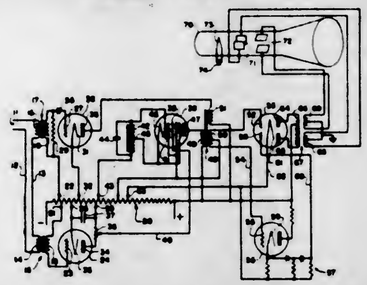


1. In a beater having a cover for a jar or vessel and having an opening with a reciprocable rod traversing the opening and a handpiece at the top of the rod for manually giving the same a downstroke, beater means on the rod below the opening, and including two disks one spaced below the other, each of said disks having a plurality of apertures, a collecting cup having an open top mounted on the top of the cover and surrounding the rod, and a splash collecting means carried by the rod above said cup, comprising a shell closed at its top and having downwardly and inwardly extended bottom wall portions all converging toward a spill mouth of a diameter less than the diameter of the open top of said collecting cup at the bottom of the shell.

2,481,353
METHOD OF MANUFACTURING VITAMIN CONCENTRATES
Lewis Wilson Schnabel, Kansas City, Kans.
No Drawing. Application October 25, 1946, Serial No. 705,818
9 Claims. (Cl. 167—81)

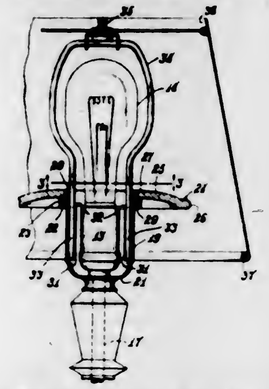
1. The process of manufacturing vitamin concentrates comprising comminuting and agitating green surface vegetation in water at a temperature below approximately 120° F., in the presence of at least one substance selected from the group consisting of sulfur dioxide, hydrogen sulfide and nascent hydrogen, and removing the indigestible fibrous substance thus obtained by filtration.

2,481,354
BIAS INDICATOR
Reginald G. Schuler, Crystal Lake, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 11, 1948, Serial No. 14,300
1 Claim. (Cl. 315—24)



A cathode ray bias indicator comprising a circuit including a pair of space discharge tubes responsive to code combinations of signaling conditions, a cathode ray tube having a screen thereon, an oscillator converter tube whose frequency is adjusted to give one revolution of the cathode ray beam per code impulse interval, means for connecting the output of one of said space discharge tubes to said oscillator converter tube to cause the cathode ray beam to be deflected in an invisible spiral, and means for connecting the output of the other of said space discharge tubes between the oscillator converter tube and the cathode ray tube to cause an additional amount of current to be added to the output of said oscillator converter tube at signal current transitions, whereby the point of impingement of the cathode ray beam upon said screen is rendered instantaneously visible at said points of transition.

2,481,355
LAMP CONSTRUCTION
Frederick Schwartz, Murray R. Lewis, and Henry R. Feldman, Chicago, Ill., assignors to Foster & Davies, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 15, 1946, Serial No. 647,934
2 Claims. (Cl. 240—81)

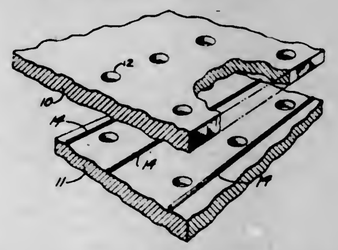


1. A lamp fixture comprising, in combination, a socket to receive a lamp bulb, a cup-like shell encompassing said socket, an annular external flange on the upper rim edge of said shell having a circumferential upstanding lip on its peripheral edge, an annulus seated on said flange, a shoulder formed on the upper surface of said annulus adapting the annulus to receive and support a light-diffusing disc, a pair of diametrically opposed tubular receptacles integral with said shell, and an inverted substantially U-shaped member having parallel leg portions removably received in said receptacle.

2,481,356
TALL OIL TREATMENT
Ernest Segessemann, Wood-Ridge, N. J., and Nicholas M. Molnar, New York, N. Y.
No Drawing. Application April 20, 1948, Serial No. 22,242
6 Claims. (Cl. 260—97.5)

1. A treatment of tall oil which comprises the steps of heating the alkali soap of tall oil with an amount of alkali at least 100% in excess of the combined alkali in the soap to a temperature of from 230° C. to 300° C. for at least four hours in order to effect isomerization and subsequent degradation of the unsaturated fatty acids into saturated fatty acids of a lower carbon content and to convert the rosin present in the original tall oil into a more saturated form, liberating the fatty acids and the stabilized rosin by acidification with a strong acid and separating the fatty acid fraction from the stabilized rosin by fractional distillation.

2,481,357
SEAL
Paul L. Smith and Lewis E. Williams, Jr., Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application October 31, 1945, Serial No. 625,778
5 Claims. (Cl. 189—36)



1. A structural joint comprising: a pair of overlapping planar members; an elongate, predrawn single strand filament of a nylon intermediate said overlapping planar members; and a plurality of fastening means holding said overlapping members in facewise engagement and compressing said filament between said planar members.

2,481,358
VALVED BUBBLE TUBE
Richard A. Smith, Cornwall-on-Hudson, N. Y., assignor to The Kentlee Company, Inc., New York, N. Y., a corporation of New York
Application April 27, 1948, Serial No. 23,439
5 Claims. (Cl. 240—10)

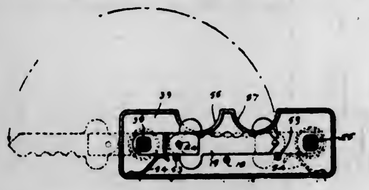
1. An ornamental bubbling device comprising a tube of light transmitting material having a lower chamber and an upper chamber; said

chambers being evacuated and filled with a low boiling point liquid; a valve seat between said



lower chamber and said upper chamber; and an upwardly displaceable spherical valve member resting on said valve seat.

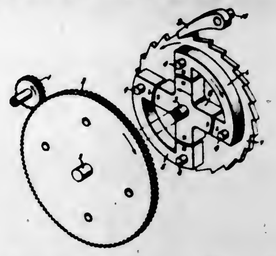
2,481,259
KEY CONTAINER
Willis M. Smyser and Steven C. Rheberg, Washington, D. C.
Application February 5, 1947, Serial No. 726,476
4 Claims. (Cl. 70—456)



1. A holder comprising an elongated housing formed with a plurality of lengthwise slots and end slots formed as extensions of said lengthwise slots, a plurality of elongated retractable members engageable in said housing when in retracted position and movable outwardly through said slots to extended position, each of said members having a polygonal opening therethrough, a releasable locking shaft extending transversely of said housing and through the openings of said members, said shaft being formed of spaced polygonal portions and intermediate round portions, said housing having polygonal openings in the side walls thereof through which the polygonal portions of said shaft slidably extend, said shaft being movable endwise in either direction whereby a round intermediate portion will be disposed within the polygonal opening of a selected member whereby said selected member may be swung from a retracted position to an extended position, and spring means for at least initially swinging said selected member to extended position upon release thereof.

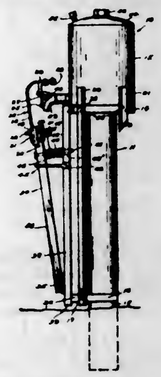
2,481,260
INTERMITTENT MOTION MAGNETIC DRIVE
George W. Sprenger, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 21, 1948, Serial No. 39,877
2 Claims. (Cl. 172—284)

1. A magnetic drive comprising driving and driven systems of magnets each having the same even number of pole pieces arranged in a circle with the pole pieces in each circle evenly spaced and with the two circles of pole pieces adjacent each other and relatively rotatable about a common axis such that the pole pieces in the two



systems may magnetically cooperate with each other, the pole pieces in the two circles being polarized with alternate polarity, and a ratchet mechanism or its equivalent for limiting rotation of the driven magnetic systems in one direction.

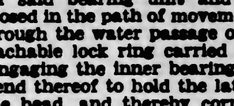
2,481,261
AUTOMATIC HOG OILER
Herman H. Steffens, Corder, Mo.
Application November 7, 1945, Serial No. 627,237
2 Claims. (Cl. 119—157)



1. A hog oiler comprising a support pole having upper and lower end portions, the lower end portion of said pole being driven into the ground, a shelf secured to the upper end portion of said pole, a band fixed to the pole and disposed adjacent the lower end portion of the pole, a plurality of circumferentially spaced uprights secured to the shelf and to the band, said uprights having upper end portions extending above the shelf, a tank supported on the shelf and retained on the shelf by the upper end portions of said uprights, said tank having an outlet port and valve controlling the flow of liquid from the outlet port, a lever bar having upper and lower ends, a leg secured to the shelf and to the band, a hinge securing the lower end of said lever bar to said leg, means operatively connecting the upper end of said lever bar to the valve for actuation of the valve by the lever bar, a substantially U-shaped guide and stop bracket having a web portion and spaced leg portions, the leg portions of said bracket being fixed to said leg and disposed perpendicular to said leg with its web spaced from said leg, said lever bar being received between the

leg portions of said bracket for pivotal movement with the web portion of said bracket limiting pivoted movement of the lever bar outwardly of the pole, the leg portions of said bracket also guiding the lever bar during its pivotal movement, a rod having first and second end portions, the first end portion of said rod being secured to said lever bar adjacent the upper end of said lever bar, said leg having an opening therein slidably receiving the second end portion of said rod, a coil spring embracing said rod and biased between the lever bar and said leg to yieldingly urge the lever bar against the web portion of said bracket, and means supported solely by said lever bar and disposed adjacent the upper end of said lever bar adapted to engage said leg during pivotal movement of said lever bar toward said leg to limit pivotal movement of said lever bar in one direction.

2,481,262
TAILPIECE FOR VIOLINS, ETC.
Warren B. Straten, Brooklyn, N. Y.
Application September 16, 1945, Serial No. 615,288
1 Claim. (Cl. 84—302)



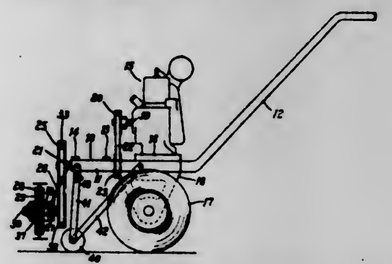
A tail piece for violins, including a main member having an longitudinal bore and a longitudinal groove communicating therewith, the groove being formed with a transversely widened thumb-nut-receiving portion, a slide of rigid material slidably extended through the bore, the slide having a threaded portion projecting into the longitudinal groove, and a thumb nut engageable by the threaded portion, the thumb nut being positioned in said transversely widened portion of the groove.

2,481,263
SPRAY FLUID ROTATED SPRINKLER
William A. Streck, Ukiah, Calif.
Application March 1, 1945, Serial No. 580,354
2 Claims. (Cl. 299—126)



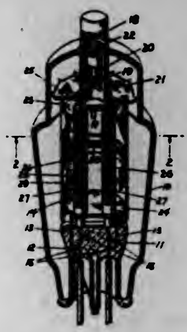
1. In a sprinkler, in combination, a water supply coupling member for application to a hose or conduit, said member comprising a poly-sided head having a water passage therethrough, a bearing unit comprising inner and outer bearing members, the inner bearing member having an opening therethrough fitting about the poly-sided head and rendered stationary by the latter, and sprayer blade means carried by the outer bearing member of said bearing unit and comprising blades disposed in the path of movement of water passing through the water passage of said head, and a detachable lock ring carried by the said head for engaging the inner bearing member at the outer end thereof to hold the latter in position on the head, and thereby correspondingly hold the bearing unit emplaced on the head, said detachable ring being removable to enable displacement of the bearing unit and said means supported thereby.

2,481,264
GRASS CUTTING MACHINE
Basil P. Streng, Atwater, Ohio, assignor to Atwater-Streng Company, Atwater, Ohio, a corporation of Ohio
Application August 21, 1946, Serial No. 691,971
5 Claims. (Cl. 56—292)



5. A grass cutting machine including a frame, wheels supporting the frame for moving it over the ground, a motor supported on said frame, transversely spaced vertical pulleys journaled on the frame, and an endless belt trained around said pulleys, means operatively connecting the motor to one of said pulleys for driving the belt, means yieldingly urging the other pulley transversely to impose tension on the belt, and a series of blades mounted at intervals along the belt on supporting members spaced radially outwardly thereof, each blade being perpendicular to a plane running through the upper and lower runs of the belt and having a serrated cutting edge rearwardly angled to the belt.

2,481,265
GASEOUS DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 19, 1946, Serial No. 698,061
7 Claims. (Cl. 250—27.5)



1. A gaseous discharge device comprising an envelope containing an ionizable gas, a plurality of electrodes within said envelope, said electrodes

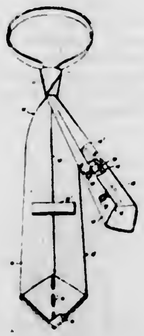
including an anode, hollow cathode, and two starting electrodes, said anode being disposed exteriorly of said cathode and said cathode having an opening providing a discharge path between said anode and the interior of said cathode, said starting electrodes being mounted within said cathode and projecting across said opening, one of said starting electrodes being an auxiliary cathode and the other a starting anode.

2,481,366
GREEN CAMOUFLAGE PAINT
Kenneth V. Thimann, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy
No Drawing. Application August 31, 1943, Serial No. 500,701
17 Claims. (Cl. 106—132)

9. Method of preparing a paint which comprises grinding chlorophyllic vegetable matter in the presence of water, precipitating chlorophyll in combination with protein by means of a metal sulfate selected from the group consisting of zinc, magnesium, copper and manganese, stabilizing the chlorophyll by addition of sugar and magnesium sulfate, partially drying the mixture in the presence of a drying oil, and emulsifying the mixture in a varnish comprising a treated natural drying oil and a light colored oil modified rosin.

10. Method as claimed in claim 9 wherein said metal sulfate is zinc sulfate, said sugar is sucrose, and said rosin varnish is based upon a linseed oil modified rosin, and said mixture is dried in the presence of glue, along with the oil.

2,481,367
NECKTIE
Arnold Thompson, Westwood, N. J.
Application January 11, 1946, Serial No. 640,422
8 Claims. (Cl. 2—145)



1. A necktie having in tied condition an outer and an inner end, an opening in the underside of the inner end of the tie, a concealed strap adjacent the said opening having its ends attached to the material of the tie longitudinally thereof, a plurality of sliders carried by said strap in position concealed by the material of the tie, button fastening loops carried by said sliders in position adapted for attachment to buttons on a shirt, and a strap attached to the underside of the tie, adapted to receive the inner end of the tie whereby the fastening of said inner end to the shirt will hold both ends of the tie in place.

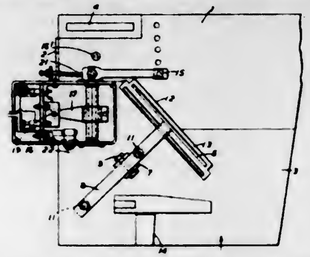
2,481,368
STARTING SWITCH FOR FLUORESCENT LAMPS
Raymond E. Tiffany and Frank J. Krajcik, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application October 4, 1947, Serial No. 777,954
1 Claim. (Cl. 200—6)



A starting switch for a fluorescent lamp comprising a casing having walls defining a recess, a trigger member journalled in said casing, said trigger member comprising an integral molded element having three adjacent disc-like cam portions all of basically arcuate edge surface contour, the center of said cam portions having a projection extending therefrom and the side cam portions each having three successive depressions in their surfaces correspondingly spaced in an axial direction, two stationary contact members mounted at one end of said recess, two movable contact members mounted at the other side of said recess and extending across the same beneath said side cam portions and carrying movable contacts adapted to cooperate with said stationary contacts, said movable contact members having spring portions carrying projections adapted to bear against and to engage said depressions in said side cam portions for providing three switch positions and for the operation of said contacts, one pair of said depressions corresponding to one switch position and being relatively shallow for limiting the motion of the movable contacts whereby in that switch position said contacts are open, the central depression in only one of said side cam portions being relatively deep whereby in the central switch position one of said movable contacts engages its corresponding stationary contact and the remaining pair of depressions in both cam portions being relatively deep whereby in the third switch position both pairs of contacts are closed, and leaf spring means mounted in the casing and adapted to bear tangentially against said central portion and in the third switch position only to bear against said central portion projection for exerting a rotational force on said trigger member tending to rotate the same into said central switch position.

2,481,369
CLOTH OR PIECE FEEDING DEVICE FOR TEXTILE AND OTHER MACHINERY
Charles Harry Turner, Yeadon, England
Application July 28, 1947, Serial No. 764,080
In Great Britain June 14, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 14, 1966
2 Claims. (Cl. 26—54)

1. A list opening apparatus of the class described including a top plate, a bottom plate hinged at one end to said top plate, upper and lower blades disposed on opposite sides of said bottom plate, and means pivotally connecting said blades to said bottom plate, said blades being offset relative to each other and disposed at an angle to

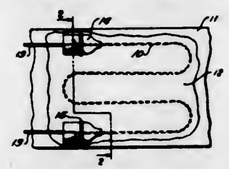


the direction of feed of the material through the machine.

2,481,370
BITUMEN COATED SURFACE AND METHOD OF MAKING
Jacob van den Berge, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 25, 1946, Serial No. 657,063. In the Netherlands April 17, 1945
4 Claims. (Cl. 117—92)

1. In a method of coating fabrics with asphaltic bituminous materials of different penetration indices, the steps of first impregnating the fabric with an asphaltic bitumen having a relatively lower penetration index, and having an asphaltene content of at least 12%, the asphaltenes of said asphaltic bitumen having a carbon-to-hydrogen mole ratio of at least about 0.95, and then applying to the surfaces of the thus treated fabric a layer of an asphaltic bitumen having a penetration index higher than that of the first bitumen.

2,481,371
HIGH-TEMPERATURE STRAIN GAUGE AND METHOD OF MAKING SAME
William D. Van Dyke, Lawndale, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application July 25, 1945, Serial No. 607,032
4 Claims. (Cl. 201—63)



1. A strain gauge for the measurement of strain in a high temperature metallic part including: a length of electric resistance wire disposed on the outer surface of said metallic part; a ceramic mass bonding said wire to said surface; electrical leads joined to the resistance wire terminals by a metal fusible at a relatively low temperature and lying in adjacency to said metallic part; a jointure-socket member constructed, arranged, and organized to protect each of said joints from the extreme heat of said metallic part while concurrently enabling spacious access to said joints and comprising a discrete length of ceramic tubing disposed concentrically around and radially spaced from each of said soldered joints and establishing a heat insulating annular air gap between each of said joints and the adjacent surface of said ceramic tubing; and an annular supporting clip engaged around substantially the medial portion of each of said tubing members and having supporting feet resting on said metallic part a distance below said tubing sufficient to space said tubing far enough above the metallic part to minimize heat transfer to said tubing and joints from said high temperature metallic part; whereby the coaction of said elevated mounting and said air gap reduces the heat field around said fusible joints and maintains them integral and intact under substantially all operating conditions.

2,481,372
RUST PROTECTIVE LUBRICANTS
George Hugo von Fuchs, Wood River, and Gerhard P. Pilz, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 27, 1946, Serial No. 699,644
7 Claims. (Cl. 252—42.6)

1. A liquid lubricating composition consisting essentially of a predominating amount of an ester of an aliphatic dicarboxylic acid and of an aliphatic monohydric alcohol having 2 to 20 carbon atoms and as an anti-corrosion agent therefor from 1% to 4% by weight of an acid of the group consisting of fatty acids having at least 7 carbon atoms, sulfurized unsaturated monocarboxylic acids having at least 7 carbon atoms, and alkyl phosphoric acids having at least 10 carbon atoms in an alkyl substituent.

2,481,373
BRASSIÈRE
Kathryn Washburn, Bethesda, Md; now by marriage Kathryn Ewert
Application April 28, 1947, Serial No. 744,436
1 Claim. (Cl. 2—42)

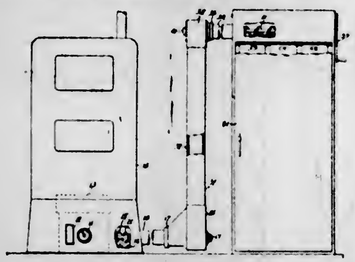


In a brassière of the uplift type, a pair of breast cups having a center front section forming a line of demarkation along the medial line of the brassière and extending vertically between said cups, and a strip of material for passing under the breasts to be contained in said cups, said strip being of an elastic character and attached at its opposite ends to the opposite, outer side edges of said cups and passing through a slitted portion in said center front section, so as to lie in a plane extending substantially horizontally through the apices of said cups, being thereby positioned to embrace the breasts of the wearer in an underlying relation to their nipples, thus holding the front center section of the brassière close to the body while maintaining the breasts separated.

2,481,274
BITUMINOUS EMULSION
Vilas E. Watts, Los Altos, and Lyndon G. Thompson, Oakland, Calif., assignors, by mesne assignments, to Stanocal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 21, 1948, Serial No. 34,247
10 Claims. (Cl. 106—232)

1. An aqueous alkaline bitumen-in-water type emulsion of a bituminous material selected from the group consisting of hard, brittle asphalts having a 0–5 penetration (ASTM D5–25 at 77° F., 100 grams, 5 seconds) and a 180–240° F. softening point (ASTM D36–26) and hard, brittle coal tar pitches of 165–240° F. softening point (ASTM D36–26), said bituminous material being of such hardness that when ground at 77° F. it will reduce to a powder and will not stick to the surfaces which it contacts during grinding, said emulsion having at least about 75% of the bituminous material particles of such size distribution that substantially none exceeds 10 microns in diameter and containing as an emulsifying agent an alkali metal salt of a hard, high-melting petroleum-hydrocarbon-insoluble, alcohol-soluble solvent-extracted pinewood resin.

2,481,275
ASH HANDLING SYSTEM
Ernest C. Webb, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application September 11, 1945, Serial No. 615,544
5 Claims. (Cl. 110—165)



1. An ash handling system consisting of an elevated floor having apertures formed therein, an apertured plate slidably mounted on said floor, its apertures adapted to register with those in said floor when said plate is moved to a pre-determined position and to move said apertures out of register in another position, means for elevating ashes and distributing same upon said plate, a plurality of elongated vertical ash cans slidably mounted under the apertures in said floor and means for sealing said cans against the under side of said floor when in a filling position.

2,481,276
COUPLING FOR PIPE CONDUITS
Axel Efraim Welin-Berger, Halmstad, Sweden
Application June 6, 1947, Serial No. 753,617
In Sweden September 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 3, 1963
2 Claims. (Cl. 285—165)

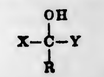
1. A coupling housing for the coupling of a trunk conduit and a branch conduit of a pipe system for the purpose of drainage, characterized by said coupling housing being provided with a through-passage intended to form a portion of the trunk conduit, proper, as well as with a circular aperture opening in a vertical wall, parallel to said passage and defining the bounds of the housing itself, said aperture being in direct communication with said through-passage, on a level so much higher than that of the passage that the liquid from the branch conduit will discharge



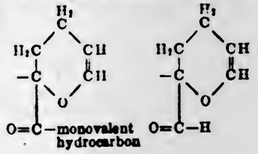
freely into the through-passage, in order that the maximum drainage through the branch conduit shall be permitted to proceed without being disturbed by the water supply through the trunk conduit, and that the difference in elevation shall become as small as possible at all waterlevels the trunk- and branch conduit alike.

2,481,277
HETEROCYCLIC-SUBSTITUTED CARBINOLS
Richard R. Whetstone, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 23, 1948, Serial No. 45,791
10 Claims. (Cl. 260—333)

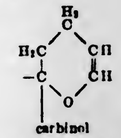
7. Carbinols of the structure



in which X represents a dihydropyranyl radical, Y represents a member of the group consisting of (a) the radicals represented by the formulas



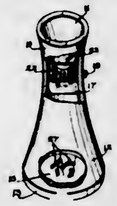
and



and (b) the radicals depicted by said formulas when hydrogen directly linked to the heterocyclic ring is replaced by monovalent hydrocarbon, and R represents a radical selected from the group consisting of hydrogen and monovalent hydrocarbon.

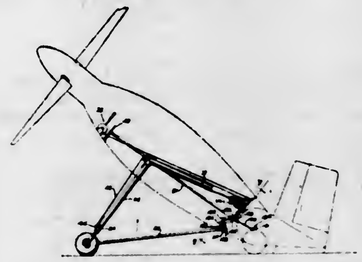
2,481,278
EXTINGUISHING ASH TRAY
Murray Wolfset, Brooklyn, N. Y.
Application June 4, 1947, Serial No. 752,519
3 Claims. (Cl. 131—236)

3. A cigarette ash tray stand or receptacle comprising a body or receptacle having an upwardly elongated passage portion and an enlarged base or storage portion, said upwardly extending portion having an opening in the top into which cigarettes are deposited, said upwardly extending portion having a second opening formed therein, a drawer within said second opening adapted to contain water for the purpose of extinguishing cigarettes which are deposited through the top opening, said drawer being removable from said second opening to refill the same with water, means cooperating between the drawer and the portion responsive to the withdrawal movement of the drawer for lifting cigarettes deposited in the drawer therefrom and causing the same to be dropped into the bottom portion of the receptacle, said drawer having upwardly extending projections on its



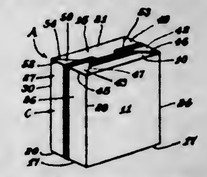
rear edge, said lifting means being pivoted to said upwardly extending projections and extending into the water within the drawer and engaging with the side wall of the receptacle so as to be slid upwardly and pivoted upon the projections of the drawer as the drawer is pulled out of said second opening, said lifting means comprising a curved lifting element with openings therein through which water may pass as the lifting element is pivoted upwardly, said lifting element intermediate its length depending into the water within the drawer.

2,481,279
AIRCRAFT HAVING EXTENSIBLE LANDING GEAR POSITIONABLE FOR HORIZONTAL AND VERTICAL TAKE-OFF
Charles H. Zimmerman, Nichols, Conn.
Application July 26, 1945, Serial No. 607,168
16 Claims. (Cl. 244—7)



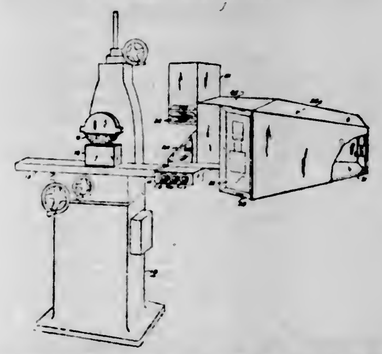
1. An aircraft capable of both horizontal and vertical flight including a supporting structure, means for positioning said craft for horizontal take-off including landing gear and a tail support, said landing gear including casings pivotally connected to said structure at their upper ends and struts telescoping into said casings and carrying landing wheels at their free ends, means operable when said casings and struts are telescoped for retracting said landing gear into said supporting structure, means operable when said casings are extended for extending said struts relative to said casings to move said wheels beyond the horizontal take-off position thereof for positioning said craft for vertical take-off, and means for locking said casings against retraction except when said struts are fully retracted into said casings.

2,481,280
PACKAGE
Harlan V. Anderson, Sr., Minneapolis, Minn., assignor to Rapinwax Paper Company, Minneapolis, Minn., a corporation of Minnesota
Application July 4, 1945, Serial No. 603,185
3 Claims. (Cl. 229—14)



1. A carton construction including a heat sealable metal foil liner of relatively high heat conductivity, a carton blank of material relatively low in heat conductivity secured to said liner spaced from the edges thereof, said blank including a rectangular intermediate panel, a pair of similarly shaped wall panels foldably connected to opposite edges of said intermediate panel, and a pair of flanges foldably connected along parallel lines to said wall panels, said intermediate panel having a fold line therethrough parallel to and intermediate said opposite side thereof, said flanges being of substantially one-half the length of said intermediate panel, said flanges being folded into coplanar relation, said liner extending between said flanges on opposite sides of the blank and sealed externally of said carton blank to provide a heat conductive passage from the exterior of the package to the interior thereof.

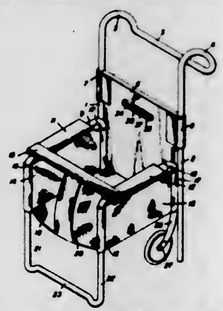
2,481,281
OPTICAL PROJECTION VIEWER FOR MACHINE TOOLS
George Banke, Euclid, Ohio, assignor to The Cleveland Grinding Machine Company, Cleveland, Ohio, a corporation of Ohio
Application April 25, 1946, Serial No. 664,921
5 Claims. (Cl. 88—24)



1. In combination with an operating machine tool and a work-piece thereon, an optical system of the type by which an enlarged, flat, and

shadowless real image of the work-piece and associated tool is projected on a screen, comprising a support member for the said work-piece, a viewer including a screen mounted on the machine tool on one side of the support member, a projecting lens having an axis substantially perpendicular to the viewed face of the work-piece and mounted on the machine tool between the said support member and the viewer, a reflecting and transmitting mirror mounted on the machine tool between the said support member and the projecting lens, and a light source capable of projecting a beam of light on the mirror and reflected therefrom as a columnated beam co-axial with the projecting lens axis on the work-piece and tool and transmitted therefrom through the mirror and lens to the viewer and onto the said screen, whereon the flat, shadowless, real image of the work-piece and tool is visible.

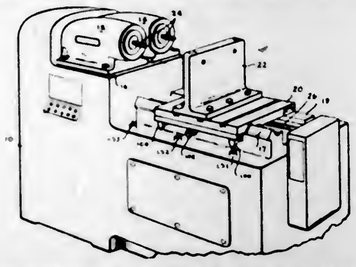
2,481,382
THREE-WAY BABY CHAIR
Grady Howard Bennett, Waycross, Ga., assignor of thirty-five per cent to Myrtle Lee Ruppert, Franklin, Ohio
Application August 7, 1947, Serial No. 767,179
6 Claims. (Cl. 155—79)



1. A 3-way chair comprising a pair of vertically extending spaced parallel rear legs having their upper ends formed into arcuate loops and connected together by a cross bar, a rigid back slidably and adjustably supported on said rear legs, inverted U-shaped metal tubular members secured to the edges of said back, fabric sides secured to said tubular members, and a fabric seat secured to said fabric sides and to the bottom of said back.

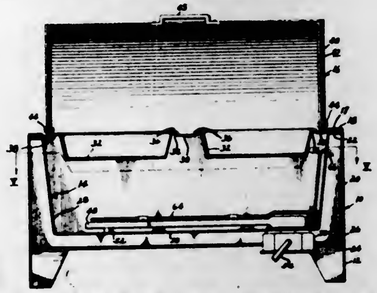
2,481,383
MACHINE TOOL
Clifford A. Bickel, Stanley A. Brandenburg, and Theodore Foster, Sidney, Ohio, assignors to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio
Application April 9, 1946, Serial No. 660,794
5 Claims. (Cl. 77—32)

1. In a machine tool, bed support means, spindle means carried by said bed support means, table support means reciprocally movable on said bed support means toward and away from said spindle means, reversible power means for driving said table support means, a plurality of selectably engageable driving connections having different speed ratios interconnecting said table support means with said power means, an electrical brake and an electrical clutch associated with each of said driving connections energizable selectively to render ineffective or effective the associated driving connection, first electrical control means for operating the power means in a first direction and for energizing the clutch in a first of said driving connections and the brake in a second of said driving connections, the said first of said driving connections having a higher speed ratio than the second of said driving connections to bring about a rapid advance of said table support means relative to said spindle means, second electrical control means for continuously operating the power means in said first direction but energizing the brake in the said first of said driving connections and the said clutch in the second of said driving connections, the said second of said driving connections effecting a lower speed ratio than that of the said first of said driving connections to bring about a feeding advance movement of said table support means relative to said spindle means, third electrical



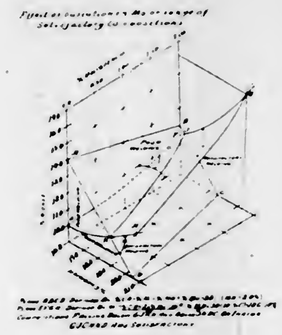
control means for operating the power means in a reverse direction and for energizing the clutch in the first of said driving connections and the brake in the second of said driving connections to bring about a rapid reverse traverse of the table support means away from the spindle means, first, second and third switch means mounted at spaced intervals on one of said support means, and switch actuating means mounted on the other of said support means, said switch actuating means actuating the first, second and third switch means in sequence to bring about a cycle of operation upon relative movement between the bed support means and the table support means, said first, second and third switch means respectively governing the operation of the first, second and third electrical control means to bring about the said complete cycle of operation of said table support means relative to said spindle means.

2,481,384
PORTABLE ELECTRIC STEAM TABLE
Wilfred E. Blackwell, Mexico, Mo.
Application March 25, 1947, Serial No. 736,979
2 Claims. (Cl. 219—19)



1. A portable steam table comprising, in combination, a water receptacle having a bottom portion, side portions, and an outwardly extending rim along the upper edge of said side portions, an immersion heater disposed in the bottom of said receptacle to boil water therein, means for energizing said heater, a heat-sensitive capillary tube disposed on said heater in control of said means operative to de-energize said heater in response to variations from predetermined temperatures, a cover for said receptacle, said cover defining an opening to receive a serving pan, said opening having an upwardly extended rounded marginal lip along the edge thereof, and a serving pan, said pan defining a rounded area for mating engagement with said lip on said cover, said mating engagement of said pan and said cover operative to minimize heat loss from said water receptacle and spillage into said water receptacle, said steam table further including a housing for said receptacle, said housing including sheet metal side portions folded over to form inwardly extending upper edge portions to engage said rim of said receptacle to sustain said pan in spaced relationship with a platform upon which it may be located.

2,481,385
WELD AND WELD ROD
Fredrick Kenneth Bloom, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
Application March 31, 1944, Serial No. 528,968
7 Claims. (Cl. 75—128)



1. An electrode for deposit welding of such composition as to yield an austenitic-delta ferritic deposit comprising, in combination, 16% to 22% chromium, 8.5% to 18.5% nickel, from fractional percentages up to 4% manganese, and not more than 0.15% carbon, in proportions substantially consistent with:

$$\text{Maximum } \%\,\text{Ni} = \frac{(\%\,\text{Cr}-16)^2}{12} - \frac{\%\,\text{Mn}}{2} + 30(0.10-\%\,\text{C}) + 11$$

the chromium, nickel, manganese totalling at least about 32% but under 43%, and the remainder substantially all iron.

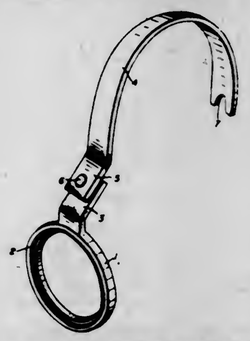
2,481,386
WELD AND WELD ROD
Fredrick Kenneth Bloom, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application June 22, 1945, Serial No. 601,059. In Canada March 23, 1945
7 Claims. (Cl. 75—128)

1. In a rigidly restrained metal or metals, a crack-resistant weld comprising 20% to 30% chromium, 11% to 21% nickel, from fractional percentages up to 10% manganese, up to 2% molybdenum, and not more than 0.3% carbon in relationship substantially consistent with:

$$\text{Maximum } \%\,\text{Ni} = \frac{(\%\,\text{Cr}+2(\%\,\text{Mo})-16)^2}{12} - \frac{\%\,\text{Mn}}{2} + 30(0.10-\%\,\text{C}) + 11$$

and the remainder principally iron not exceeding approximately 57%, said weld being of austenite-delta ferrite structure.

2,481,387
TELEPHONE HOLDER
Archie O. Bonecutter, Evansville, Ind.
Application April 7, 1947, Serial No. 739,775
1 Claim. (Cl. 179—156)



In combination with a telephone hand set having a handle portion with a receiver at one end and a transmitter at the opposite end thereof, of a holder therefor comprising a supporting ring adapted to be secured to said receiver having an offset supporting stub arm, an arcuate head band formed with a stub arm at one end, and having a V-notch formed in its opposite end, means for securing said stub arms together for relative rotary movement, said head band being adapted to be moved to extended position for supporting the same over a wearer's head, said head band being rotatable to overlie the handle portion of said telephone hand set with the V-notch in engagement with said handle portion when said hand set is to be supported by a hand.

2,481,388
HYDROLYSIS OF POLYVINYL ESTERS
Harold W. Bryant, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1945, Serial No. 612,559
4 Claims. (Cl. 260—91.3)

1. The process for hydrolyzing polyvinyl acetate which comprises dissolving guanidine carbonate in methanol, adding to the solution suffi-

cient carbon dioxide to substantially completely inactivate the guanidine carbonate, then dissolving polyvinyl acetate in the solution and thereafter heating the solution to drive off carbon dioxide and finally stirring the solution at reflux temperature.

2,481,389
RUBBER-SOLED SHOE WITH TWO-LAYER FOXING
Michael Campagna, Bristol, R. I., assignor to Bristol Manufacturing Corporation, Bristol, R. I., a corporation of Rhode Island
Application October 3, 1945, Serial No. 620,044
1 Claim. (Cl. 36—14)



An athletic shoe having a rubber outsole, the shoe comprising an upper substantially devoid of lasting allowance, a sock lining, and a foxing having an integral toe cap portion, stitches uniting the lower edges of the foxing and upper to the sock lining, and stitches uniting the upper edge of the foxing, including the toe cap portion thereof, to the upper, a layer of heat-insulating material interposed between the sock lining and outer sole, the edge of the outer sole extending upwardly and being joined leak-tight to the lower portion of the foxing, and an outer foxing substantially covering the first foxing except the upper part of the toe cap portion thereof, and concealing the joint between the first foxing and the outer sole.

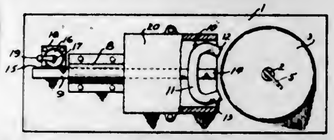
2,481,390
METHOD OF APPLYING SODIUM SILICATE BINDER
John M. Campbell, Cleveland, Ohio, assignor to John M. Campbell and Philmore J. Haber as trustees
No Drawing. Application May 15, 1945, Serial No. 593,963
4 Claims. (Cl. 106—84)

1. An improved method of applying adhesive sodium silicate binder to material having interstices therein, said method comprising the steps of peptizing the said sodium silicate with urea to form a peptized solution within the said material to be bound with the peptized sodium silicate solution and thereafter precipitating the sodium silicate in jell form by shifting the pH value of the peptized sodium silicate solution, the pH value being shifted by the addition of a solution of sodium fluorosilicate.

2,481,391
PROCESS OF MAKING INSULATING AND ACOUSTICAL MATERIALS
John M. Campbell, Cleveland, Ohio, assignor to John M. Campbell and Philmore J. Haber as trustees
No Drawing. Application May 15, 1945, Serial No. 593,964
7 Claims. (Cl. 106—75)

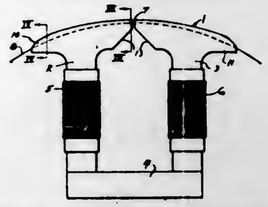
1. The process of producing an insulating material, comprising the steps of spraying expanded vermiculite with powdered materials selected from the group consisting of oxide of magnesium and aluminum by means of a powder spray for the purpose of at least partially filling the interstices of the expanded vermiculite with the said powdered materials, thereafter adding a jell having adhesive binding properties when dry, the said jell comprising principally sodium silicate, magnesium fluosilicate, urea, and water, and thereafter adding clay to increase the plasticity of the mass, and finally extruding into shapes.

2,481,392
MEANS FOR BULK DEMAGNETIZATION
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application March 2, 1945, Serial No. 580,603
1 Claim. (Cl. 175—181)



In a bulk demagnetizer for a magnetic record medium on a spool, support means, a shaft for holding a record bearing spool carried by said support means, drive means to rotate said shaft, a magnet movably mounted on said support means for movement toward and away from said spool, said magnet being in the form of a yoke having a center pole with the axis of the magnet through the center pole face substantially at right angles to the shaft, and end poles on said magnet spaced from and of different polarity than said center pole, said poles in general defining an arc in keeping with the curvature of a record spool and having faces positionable in close relation with and of approximately equal width with the record bearing portion of said spool, and tubular shielding means enclosing all sides of the path of the magnet.

2,481,393
MAGNETIC RECORDING HEAD
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application May 30, 1945, Serial No. 596,781
2 Claims. (Cl. 179—100.2)



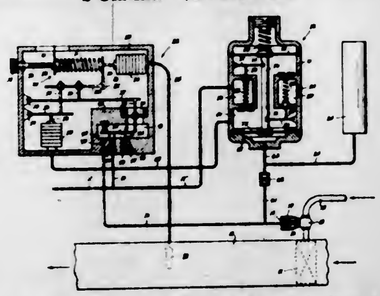
2. A magnetic recording head comprising an electromagnet having substantially T-shaped core portions whose lateral legs are tapered and two of which are in confronting relationship to form the poles, two other of said lateral legs forming tail portions, the edges of said legs being arcuate and having a centrally disposed groove for accommodating a recording medium travelling at right angles to the pole faces, said grooves being of varying depth in the direction of travel of said recording medium and being shallowest adjacent the pole faces.

2,481,394
ILLUMINATED CASE
Santo J. Cannava, Boston, Mass.
Application May 25, 1946, Serial No. 673,216
1 Claim. (Cl. 240—6.4)



An illuminated case comprising an elongated substantially rectangular receptacle open at the top and bottom, a transverse partition carried by the receptacle and dividing the same into a storage compartment and a mechanical compartment, an upper wall carried by the upper edges of said receptacle at one end for said mechanical compartment, a hinged closure for the upper end of said storage compartment, an illuminating member, a battery mounted in said mechanical compartment and including a terminal, means connecting the terminal of said battery to said illuminating member, a grounding plate carried by said upper wall, a resilient contact finger connected to said illuminating member and including an angulated free end portion, said partition having a recess receiving the angulated end portion of said contact finger, the angulated end portion of said contact finger engaging said hinged closure during the closing movement thereof to urge the contact finger in spaced relation to said grounding plate, said contact finger bearing against said grounding plate during opening of said hinged closure.

2,481,395
AUTOMATIC PNEUMATIC RESET APPARATUS
Vernon J. Carns, Detroit, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 18, 1944, Serial No. 568,702
2 Claims. (Cl. 236—86)



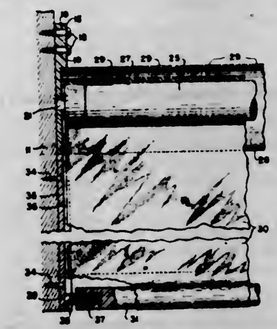
1. A pneumatic control system including a device to be controlled; a submaster type controller comprising a force exerting condition responsive means, a spring opposing said means, a first pressure actuated motor also opposing said means, a second pressure actuated follow-up motor opposing said means, and a valve mechanism operated as a resultant of the condition responsive means, said spring and both of said motor means, said mechanism including supply and bleed valves closed when in neutral position, said valve mechanism determining the pressure to be imposed on said device, said pressure also being imposed on said second motor for moving said valves to neutral position; first conduit means connecting said valve mechanism to said device; a reverse acting relay having a plurality of pressure chambers and constructed so that the pressure in one of said chambers controls said relay and the pressure in another chamber varies inversely relative to the pressure in said one chamber; second conduit means including a restriction connecting said one chamber to said first conduit means; and third conduit means connecting said other chamber to said first pressure actuated motor.

2,481,396
ABDOMINAL SUPPORTING GARMENT
Moses Cohen, Jackson Heights, N. Y.
Application March 26, 1947, Serial No. 737,200
2 Claims. (Cl. 2—41)



1. A pair of trunks having a yoke with depending leg portions and having two band portions with broad abdominal lifting portions fixed to the lateral edges of the band portions and with coacting fastening devices for joining the edge of the yoke at the front, said garment having a vertical slot at the back of one of the band portions, said band portions having extensions passing around the sides and having adjustable strap and buckle portions connectable at the front across the respective broad ends, one extension passing through said slot.

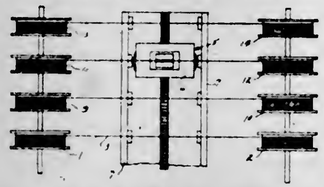
2,481,397
SHOWER CURTAIN FOR BATHTUBS
Simon E. Dalton, Jr., Atlantic City, N. J.
Application August 15, 1947, Serial No. 768,870
1 Claim. (Cl. 4—149)



In combination with a bath compartment having a bathtub with an inner front wall and a spray nozzle above said tub, shower curtain means comprising brackets mounted on opposed walls of

the compartment at approximately the level of said spray nozzle, a horizontally disposed spring and ratchet curtain roller carried by said brackets, a flexible plastic curtain mounted on said roller and having a free end for actuation, each of said brackets having a recess therein, a cover for said roller having the ends disposed in said recesses, said brackets having slots at the lower portion thereof and said cover having legs extending downwardly within said slots and said legs limiting the upward movement of the free end of said flexible curtain, guide strips extending downwardly along the opposed walls of the compartment to said tub for guiding the edges of said flexible curtain, said brackets and said guide strips being rearwardly disposed with respect to the inner front wall of said tub, a member substantially coextensive in length with the curtain roller carried by the free end of the said curtain for engagement with said guide strips, locking means at the opposite ends of said member and said member adapted to be grasped by the user to raise and lower said curtain.

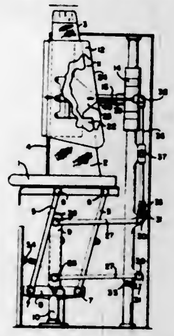
2,481,398
SELECTOR SYSTEM FOR MAGNETIC WIRE REPRODUCERS
Marion S. Danisch, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application June 29, 1945, Serial No. 602,252
8 Claims. (Cl. 179—100.2)



1. Reproducing apparatus comprising a plurality of longitudinally movable, elongated recording media, an electromagnetic recording head, and electric means for selectively moving said recording head in a direction substantially at right angles to said recording media but removed from said recording media and for moving said recording head towards a preselected one of said recording media after reaching a position in alignment therewith.

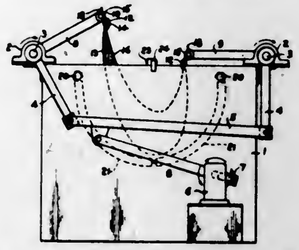
2,481,399
SLEEVE PRESS
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 16, 1946, Serial No. 690,850
11 Claims. (Cl. 223—57)

9. In a sleeve press which includes an upright flattened sleeve form having one edge tapered to conform to the taper at the seam of the sleeve, pressing elements between which the sleeve is pressed while dressed on the form, an envelope located between the pressing elements and carried thereby for receiving the form with the sleeve thereon including a member folded upon itself, and an edge member having a head opposite the fold of the folded member, the folded member having its fold tapered to conform to the tapered edge of the form, a support on which the form is mounted, the support being mounted to shift to carry the form into and out of the envelope and also to shift vertically when in the envelope, mechanism for guiding the support in its shifting movements, and means operated by said mechanism when raising or lowering the form to shift the edge member toward or from the fold



of the folded member, said mechanism operating to shift the support horizontally by the thrust of the tapered fold against the tapered edge of the form and the interposed portion of the sleeve thereon, when the support is being elevated or lowered and the form is in the envelope.

2,481,400
IMMERSION HAMMOCK
John V. Davis, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application February 20, 1948, Serial No. 9,821
10 Claims. (Cl. 51—163)

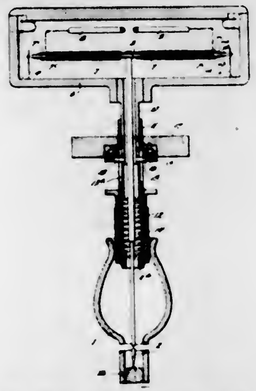


1. An immersion apparatus comprising a pair of spaced horizontal supports, means for imparting relative and substantially vertical reversing movement to said supports, and a sieve-like sheet suspended in U-form by opposite edges from the respective supports, end pieces bridging each of the remaining edges of said sheet, said sheet consisting of a material that is pliant, chemically resistant to industrial chemicals and resistant to abrasion against the work.

2,481,401
ELECTRICAL TEMPERATURE REGULATING APPARATUS
Neville Ryland Davis, Bisham, England, assignor to Sun-Vic Controls Limited, London, England, a company of Great Britain
Application November 30, 1945, Serial No. 632,031
In Great Britain November 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1964
16 Claims. (Cl. 171—330)

1. An electrical temperature regulator comprising in combination a mercury system communicating with an enclosure for a temperature expansible fluid, a contact in operative position for engagement by mercury displaceable in said system according to the volume of said fluid, means including a thermally responsive element for effecting relative displacement between said contact and mercury in response to change of temperature of said element, and a heating circuit for said element controlled by said contact, said element being operative in response to circuit closure between said contact and said mercury to effect separation of said contact and mercury, and to maintain intermittent circuit closure between said contact and mercury with a percentage time of said engagement dependent on the mean position of the mercury and therefore on the volume of said fluid and on the magnitude of the regulated temperature.

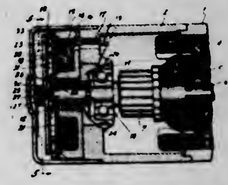
10. A toluene regulator head comprising in combination a base member, a tube containing mercury displaceable by a temperature expansible fluid in a system communicating with said tube, securing means for attachment of the base member to the tube, a contact member movably



mounted on said base member and projecting from the latter in the direction of said securing means, a thermally responsive element having operative parts connected respectively with said base member and said contact member, a heating circuit for said element controlled by said contact member, and means responsive to ambient temperature acting on said contact member in opposition to said thermally responsive element, said element being operative to move said contact away from and into engagement with said mercury in response to engagement and separation of the contact and mercury, respectively, and to maintain intermittent circuit closure between said contact and mercury with a percentage time of said engagement dependent on the mean position of the mercury and therefore on the volume of said fluid and on the magnitude of the regulated temperature, with said thermally responsive element compensated for variations of ambient temperature.

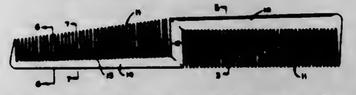
2,481,402
MOTOR BRAKE
Clinton H. Dederick, Brentwood, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application May 12, 1944, Serial No. 535,256
4 Claims. (Cl. 188—171)

1. A braking mechanism for an electric motor comprising a shaft, said shaft being adapted to be secured to the rotor shaft of a motor to rotate therewith, a stationary annular housing mounted about said shaft, said housing being of U shape in radial cross section, energizable electro-magnetic coils within the annular housing, an adjustable abutment on the shaft, a sleeve disposed about the shaft and at one end abutting said abutment, said sleeve having an annular flange at the other end, said sleeve being concentric with said housing, an outer disc secured to the shaft at the end remote from said abutment and secured to the flange of the sleeve, said disc being adapted to rotate with said shaft, a second disc disposed about said shaft inwardly of the sleeve flange and facing the open side of and connected to the said housing for axial movement only in respect to said housing and said shaft,



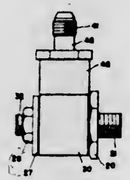
said second disc having friction material on the side facing said outer disc, a compression spring disposed about the sleeve, said spring abutting said second disc and constantly biasing said second disc towards said outer disc to engage said friction material therewith, means maintaining said elements in assembled relation, and a casing enclosing said elements, said electro-magnetic coils when energized being adapted to move said second disc away from said outer disc to engage the friction material thereadapted to force said second disc towards said outer disc to engage the friction material therewith when said electro-magnetic coils are deenergized.

2,481,403
BARBER COMB
Benedetti Di Zasso, Syracuse, N. Y.
Application July 10, 1947, Serial No. 760,034
2 Claims. (Cl. 132—45)



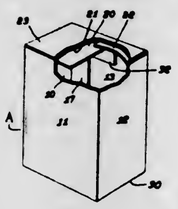
1. A barber's comb comprising an elongated body having oppositely disposed substantially flat side surfaces and a plurality of integral spaced teeth extending outwardly from one of the side edges thereof, one side surface of the body extending beyond the bases of the teeth toward the free ends of the teeth and terminating in a thin marginal edge that extends along the length of the toothed portion of the body and which marginal edge is disposed in slightly spaced relation with respect to the adjacent side surfaces of the teeth, the opposite side portion of the extended portion of the body being inclined away from the marginal edge toward the base of the teeth and constituting a hair guiding surface, the space between the sides of the teeth and the inclined portion of the body defining a recess for the reception of the short hairs to be cut, the inclined surface of the body cooperating with the marginal edge to deflect the hairs out from the scalp during an upward stroke of the comb in a hair cutting operation and the said marginal edge further serving to smooth the hair during a down stroke in a combing operation.

2,481,404
HYDRAULIC FITTING
Verne P. Donner, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 23, 1944, Serial No. 523,776
5 Claims. (Cl. 285—96.3)



1. A rotating fitting for the conveyance of liquids, comprising a stem member having a cylindrical external surface portion, a hollow portion within said stem member having an axial opening and a substantially radial opening, a pair of lateral circumferential grooves entirely located in said cylindrical external surface portion of said stem member, a pair of packing rings of resilient material within said lateral grooves, a sleeve member having a cylindrical internal surface portion cooperating with and fitting over said cylindrical external surface portion of said stem member so as to permit relative rotation between said stem member and said sleeve member, a central circumferential groove between said lateral circumferential grooves and communicating with said substantially radial opening of said stem member, and an opening in said sleeve member communicating with said central circumferential groove, said packing rings being slightly wider and slightly thinner than the respective depth and width of said lateral grooves and being so proportioned as to provide a substantially liquid tight seal substantially preventing leakage between said stem member and said sleeve member and at the same time a minimum of frictional resistance against relative rotation of said stem member and said sleeve member.

2,481,405
CARTON
Robert M. Dunning, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 2, 1945, Serial No. 597,269
6 Claims. (Cl. 229—37)

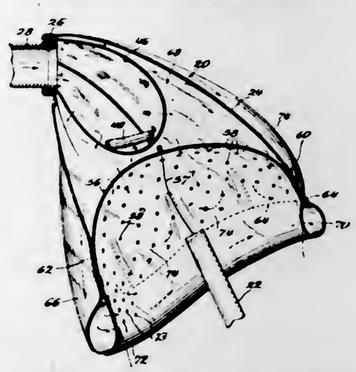


1. A carton comprising tubularly arranged side walls, end closure flaps issuing from said side walls, a glue flap on one of the side walls adhered to the inner surface of an adjacent side wall, a diagonally cut end on said glue flap, and flap means on the closure flap of said one side wall having an edge engageable against the diagonally cut end of said glue flap the diagonally cut flap end and said engageable edge of said flap means being at right angles when the said one side wall and its closure flap are in the same plane.

2,481,406
EPHEDRINE-ETHYLENE DIAMINE COMPLEX
Edgar A. Ferguson, Jr., Brooklyn, N. Y.
No Drawing. Application August 2, 1946, Serial No. 687,962
1 Claim. (Cl. 167—65)

A therapeutic agent useful as a smooth muscle relaxant and local vasoconstrictor comprising the reaction product of ethylene diamine and ephedrine.

2,481,407
HAIR DRYING DEVICE
Ernest F. K. Fluegel, Chicago, Ill., assignor to Genie Enterprises, Inc., a corporation of Illinois
Application April 14, 1948, Serial No. 20,882
13 Claims. (Cl. 34—82)

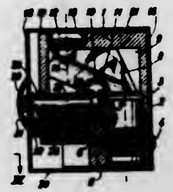


1. A hair drier comprising a flexible substantially conical outer hood, a flexible inner perforated hood, said inner hood being attached circumferentially at spaced intervals to the outer hood producing spaced portions which, when under pressure, become pneumatic head contacting cushions, and said inner hood also being attached to the outer hood annularly and adjacent the bottom except at its rear portion, thus forming a chamber partially around the bottom of the hood, said outer hood having a reduced resilient opening for attachment to a tubular air duct, said air duct connecting to a pressurized heating source.

2,481,408
REGENERATION OF CAUSTIC SODA-SODIUM SULFIDE COOKING LIQUOR
Robert R. Fuller, Tuscaloosa, Ala., and Vernon Woodside, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application August 13, 1946, Serial No. 690,342
3 Claims. (Cl. 252—183)

1. In the preparation of aqueous solutions of caustic soda and sodium sulfide for use in the manufacture of paper pulp by the "kraft" process, in which the make-up sulfur and sodium are added to the "green liquor" as elemental sulfur and sodium carbonate, respectively, and the "green liquor" then causticized, the improvement which comprises adding the sulfur and sodium carbonate in intimate admixture with one another in amounts to regenerate the cooking liquor.

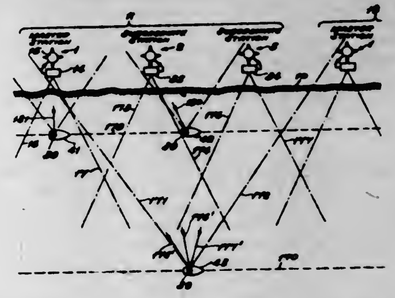
2,481,409
FIELD GLASS AND PROTECTIVE COVER THEREFOR
Samuel Glauser, Le Locle, Switzerland
Application May 13, 1947, Serial No. 747,711
In Switzerland April 11, 1947
3 Claims. (Cl. 88—32)



1. A telescoping field-glass including the combination of a hollow protective cover which is open at one end; a corresponding casing extending a distance into the cover in retracted position and adapted to be slidably extended a limited distance from the open end thereof; means urging the casing into extended position; manually releasable latch means for retaining said casing in retracted position with respect to said cover; said casing having an aperture extending a short distance into the latter adjacent to the inner end of said casing in one portion thereof and having an open bore extending a predetermined distance into said casing adjacent to the outer end of the latter in an opposite portion thereof, with the central axes of the aperture and bore substantially parallel but spaced apart out of alignment; an optical element seated in said aperture; a second optical element disposed within said bore; said cover having an aperture adjacent to the outer end upon one portion thereof registering with the first mentioned optical element in the aperture of the casing in extended position of the latter, while the open end of the correspondingly opposite portion of said cover simultaneously clears the second optical element in the bore of said casing; and optical means disposed in said casing for conducting light rays from one optical element to the other.

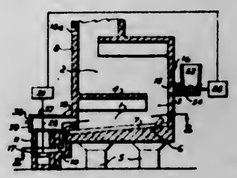
2,481,410
RADIO GUIDING SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 29, 1942, Serial No. 470,479
30 Claims. (Cl. 178—6)

1. The method of furnishing information for the purpose of guiding a freely movable television station with respect to a predetermined significant line comprising the steps of projecting an apparently spacially-continuous image of territory constituting said line by transmitting directed television signals from a plurality of spaced points contiguous to said line, each directed television signal representing an image of a portion of said territory as viewed toward the point from which it is transmitted, and receiving said signals at said freely movable television station in a manner to reproduce a portion of said apparently



spacially-continuous transmitted image and to indicate the direction from which said image is received.

2,481,411
SULFUR VAPORIZING APPARATUS
Worthington T. Grace, Upper Darby, Pa., and Joseph C. Muller, Jr., Little Falls, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application December 28, 1940, Serial No. 372,016. Divided and this application October 25, 1941, Serial No. 416,512. In Canada September 18, 1941
8 Claims. (Cl. 23—278)



1. Apparatus for vaporizing sulphur comprising a chamber having fluid inlet means and a fluid outlet passage at a lower level than said inlet means, a hearth structure therein having its structure inclined to the horizontal extending in progressively diminishing width from a point under said inlet means to a point at least adjacent said outlet passage and to a width not more than approximating the width of said passage, an enclosed pit structure communicating with said outlet for reception of fluid therefrom and fluid conduit means extending from said pit and comprising said fluid inlet means to said chamber above said hearth.

2,481,412
INACTIVATED COMPOUNDS OF ANTI-ANEMIA METALS
George E. Grindrod, Oconomowoc, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application March 26, 1945, Serial No. 585,005
5 Claims. (Cl. 167—68)

1. Process of encapsulating a water-insoluble compound of a metal of the group consisting of

copper, iron and manganese; which comprises substantially colloidally dispersing the metal compound in an excess of a colloidal aqueous dispersion of a water-insoluble assimilable protective colloid, and effecting an adsorption reaction between the dispersed particles and said protective colloid, whereby the individual particles are enclosed within layers of said colloid and are suspended in said colloidal aqueous dispersion of water-insoluble assimilable protective colloid.

2,481,413
COLLOIDAL COMPOUNDS CONTAINING METALLIC IONS IN INACTIVE STATE
George E. Grindrod, Oconomowoc, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application April 17, 1945, Serial No. 588,893
3 Claims. (Cl. 167—68)

1. Process which comprises reacting a soluble salt of a metal of the group consisting of copper, iron and manganese with an aqueous dispersion of an assimilable protein to produce a water-insoluble non-ionizable precipitate containing the metal and the protein in chemical union, separating the precipitate from the aqueous medium, re-dispersing the still moist precipitate into a substantially colloidal suspension in the presence of an assimilable proteinous protective colloid in an aqueous medium, and effecting adsorption of the protective colloid on the surfaces of the particles of the dispersed precipitate by heating the suspension, in a pressure vessel, to an elevated temperature of the order of 250° F. for a few minutes while simultaneously subjecting the suspension to violent agitation whereby said particles are encapsulated within the adsorbed protective colloid.

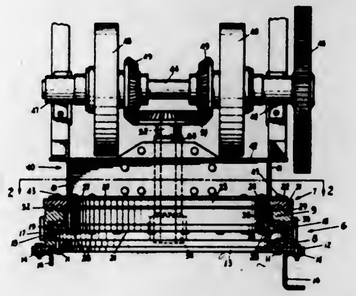
2,481,414
STABLE FORTIFIED MILK PRODUCTS AND PROCESS OF PREPARING SAME
George E. Grindrod, Oconomowoc, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application April 30, 1945, Serial No. 591,226
11 Claims. (Cl. 99—11)

1. The process of producing a liquiform food product fortified with at least one of the metals of the group consisting of copper, iron, and manganese, which comprises dispersing a water-insoluble salt of the metal into an assimilable protective colloid, causing the protective colloid to become adsorbed upon the dispersed particles of the metallic compound, and incorporating the resulting dispersion into the liquiform food.

2,481,415
STABLE MILK PRODUCT CONTAINING ADDED ANTIANEMIA FACTOR AND PROCESS OF MAKING SAME
George E. Grindrod, Oconomowoc, Wis., assignor to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application May 1, 1945, Serial No. 591,412
7 Claims. (Cl. 99—11)

1. The process of producing a concentrated liquiform milk product containing ascorbic acid and fortified with at least one of the metals of the group consisting of copper, iron, and manganese, which comprises dispersing a water-insoluble caseinate of the metal into an assimilable protective colloid, causing the protective colloid to become adsorbed upon the dispersed particles of the metallic caseinate, incorporating the resulting dispersion into a liquiform milk product at any stage of its concentration, and canning and sterilizing the resulting product.

2,481,416
TURNTABLE UNIT FOR PORTABLE MECHANICAL CRANES
John L. Grundon, Des Moines, Iowa
Application November 26, 1947, Serial No. 788,257
4 Claims. (Cl. 212—68)

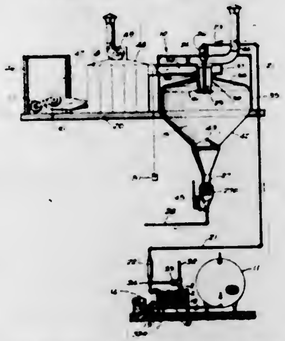


1. A turntable unit comprising a stationary ring gear having an inwardly extended annular projection adjacent its upper side, with said projection having raceways formed in the opposite sides thereof, a pair of flat rotatable bearing supported members with central openings therein arranged at opposite sides of said projection such that their inner ends are extended inwardly of said projection, with the lower side of the top one of said rotatable members and the upper side of the bottom one of said rotatable members having raceways formed therein, ball bearings disposed between said rotatable members and said projection and within the raceways formed therein, a spacer ring arranged between the inner ends of said rotatable members, and means for clamping said inner ends against said spacer ring.

2,481,417
PREPARATION OF PHENOLPHTHALEIN BETA,BETA'-DIGLUCOSIDE OCTAACETATE
Ralph A. Hales, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1946, Serial No. 694,153
5 Claims. (Cl. 260—211)

1. In a process for the preparation of phenolphthalein beta,beta'-diglucoside octaacetate by the reaction of phenolphthalein and tetraacetylglucosyl bromide in a solvent, the improvement which comprises performing the reaction in the presence of a catalyst selected from the class consisting of silver oxide and silver carbonate and another catalyst comprising a substance selected from the group consisting of quinoline, isoquinoline, and quinaldine, said other catalyst further including an added substance selected from the group consisting of ethylamine, triethylamine, ethylenediamine, monoethanolamine, monoisopropanolamine, and hydroxyethylethylene diamine.

2,481,418
METHOD OF AND APPARATUS FOR DEHYDRATING LIQUID PRODUCTS
Joseph M. Hall, Chicago, Ill., assignor to Drying & Concentrating Company, a corporation of Delaware
Application August 28, 1944, Serial No. 551,597
14 Claims. (Cl. 99—203)



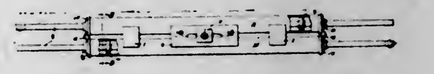
1. A single-cycle method of treating liquid products such as milk and fruit juices which comprises abruptly heating the product under super-atmospheric pressure to a temperature above the normal boiling point of the liquid for destroying enzymes and bacteria, immediately thereafter flash cooling the liquid by spraying the same into a blast of air at substantially lower pressure for reducing the moisture content of the product.

2,481,419
SURGICAL DRESSING
William F. Hamilton, Altadena, Calif., assignor to Frederick M. Turnbull, Los Angeles, Calif.
No Drawing. Application February 13, 1945, Serial No. 577,731
1 Claim. (Cl. 167—51.5)

A liquid containing a dressing base adapted upon a single application for drying to form a continuous, adherent, tough, elastic, non-cracking, water-resistant, water-insoluble, perspiration- and medicament-permeable, transparent, pliable film, said base including polyvinyl butyral about 8 to 14% w./v. of said liquid, and castor oil about 50 to 70% w./w. of polyvinyl butyral, said liquid containing as a solvent isopropanol about 60 to 80% by volume of said liquid and methylethyl ketone about 20 to 40% by volume of said liquid, said liquid containing in therapeutically beneficial concentration a compatible member of the group consisting of (1) sulfanilamide-type compounds capable of forming organic salts and (2) such salts, and said liquid containing as an extraction accelerator for the medicament tetrabromo-o-cresol in concentration up to about 0.25% w./v. of said liquid.

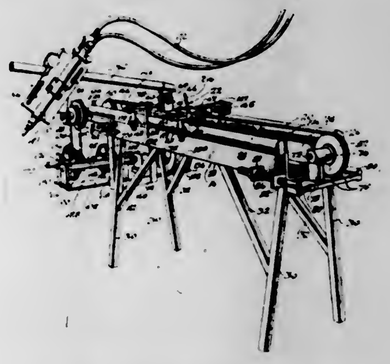
2,481,420
HYDRAULIC ACTION CENTER GAUGE
Clarence O. Hansen, Rock Island, Ill.
Application August 8, 1947, Serial No. 767,419
1 Claim. (Cl. 33—74)

A vehicle body and frame alignment gauge, comprising a pair of spaced connected parallel fluid containing cylinders, pistons and rods operating within the cylinders, plates secured to the upper and lower sides of the cylinders, said plates having elongated aligning openings, upper and lower flat bars adjustable along the plates and having openings registering with the elongated openings, an elongated pointer pin extending through the openings of the plates and flat bars and being connected with the bars, the bars adjustably mounting the elongated pointer pin along the cylinders, vertically adjustable elongated gauge bars mounted on the outer ends of



the rods, hooks at the upper ends of the elongated gauge bars whereby the gauge is hung on a vehicle chassis, and pipes establishing communication between the ends of the cylinders whereby the fluid in the cylinders passes between the cylinders as the piston rods are operated, governing the movements of the rods and gauge bars with respect to each other.

2,481,421
METALWORKING APPARATUS
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application December 28, 1943, Serial No. 515,937
4 Claims. (Cl. 266—23)



1. In a metal working apparatus, the combination of a longitudinal stationary support including a pair of upright portions interconnected by a lower transverse portion, an endless cable supported between said upright portions and above said transverse portion, a movable carriage supported above said cable by said upright portions, clutch means disengageably connecting said cable and said carriage, means for driving said cable and connected thereto and including a motor, a speed reducer and a countershaft, and means depending from said support for supporting said cable driving means at one end of and below said support, said last mentioned means including a stationary base plate, a first auxiliary supporting plate mounting said motor and said speed reducer and mounted on said stationary base plate, and a second auxiliary supporting plate movably mounting said countershaft and mounted on said stationary base plate.

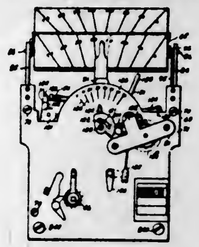
2,481,422
MEANS FOR SPOTTING A FLUID IN A WELL
James D. Haynes, Kilgore, Tex., and Orlin W. Lyons, Shreveport, La., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application June 14, 1945, Serial No. 599,450
5 Claims. (Cl. 166—1)



1. An apparatus for spotting a fluid material at a selected zone in a well comprising the combination of a tubing string having a substantially uniform unobstructed bore from end to end; an upper tubular member having an unobstructed cylindrical bore 25 to 70 per cent less in cross-sectional area than that of the tubing string and a length at least 3 times its diameter, the upper end of the said upper tubular member being secured to the lower end of the tubing string; a tubular section on the lower end of the upper tubular member said tubular section having substantially the same bore as the tubing string; a lower tubular member on the lower end of the tubular section, said lower tubular member having an unobstructed cylindrical bore 25 to 70 per cent less in cross-sectional area than that of the tubular section, the combination being adapted to be lowered into the well so that the last mentioned tubular member is opposite the selected zone.

2,481,423
PARKING METER AND COIN SLOT THEREFOR
Walter J. Herschede, Cincinnati, William Foy Herschede, Forestville, and William N. Woodruff, Cincinnati, Ohio, assignors to International Vehicular Parking, Ltd., a corporation of Delaware
Application March 10, 1942, Serial No. 434,138, now Patent No. 2,433,453, dated December 30, 1947, which is a division of application Serial No. 210,564, May 27, 1938, now Patent No. 2,289,838, dated July 14, 1942. Divided and this application May 1, 1945, Serial No. 591,306
5 Claims. (Cl. 161—15)

2. In a parking meter, a pointer movable at timing rate, a pair of horizontally hinged panels selectively movable adjacent said pointer, and means vertically moving said panels upon setting said pointer to its initial timing position and placing said pointer and one panel in cooperation and reversing movement of said panels and

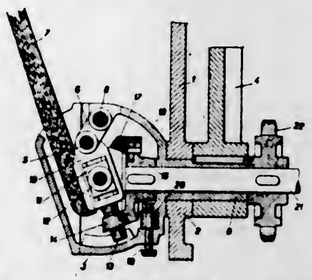


placing pointer and other panel in cooperation upon expiration of a prescribed timing period.

2,481,424
METHOD OF PRODUCING BLACK OXIDE COATED STEEL SHEETS
John W. Hill, Mansfield, Ohio, assignor, by mesne assignments, to Empire Steel Company, a corporation of Delaware
No Drawing. Application October 11, 1946, Serial No. 702,578
14 Claims. (Cl. 148—6.35)

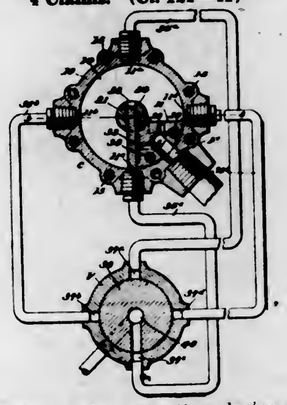
13. In a method of producing heat and corrosion resistant steel sheets, the steps which consist of applying to sheets having a blue oxide coating thereon a coating of petroleum asphalt, and igniting said asphalt whereby the asphalt burns and said blue oxide is reduced to a black oxide.

2,481,425
UNDER PICK MOTION FOR LOOMS
Rudolf Hrdina, Tyniste nad Orlici, Bohemia, Czechoslovakia
Application July 29, 1946, Serial No. 687,027
In Czechoslovakia April 29, 1946
3 Claims. (Cl. 139—148)



1. In an under pick motion for looms, the combination with an oscillating slay, of a rotating picking shaft extending through the axis of oscillation of said slay, a casing rotatably mounted on said picking shaft and keyed to said oscillating slay, a picking stick having a picking bowl thereon, means for suspending said picking stick in said casing, a cam fixedly mounted on one end of said picking shaft which extends into said casing, said cam engaging said picking bowl, an adjustable nose on said cam, means adapted to manually adjust said nose during the operation of the loom, and means for driving said picking shaft from the main shaft of the loom.

2,481,426
HYDRAULIC CONTROL FOR FUEL SELECTOR VALVES
Henry E. Hull, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 22, 1943, Serial No. 511,330
4 Claims. (Cl. 121—41)



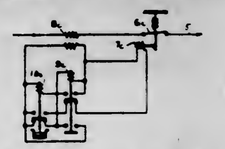
1. A selector valve actuating device comprising a normally closed annular pressure chamber, a rotatively mounted valve-operating shaft axially disposed within said chamber and having a longitudinal slot therein, a vane having a tapered end extended into said slot, the other end of said vane engaging the peripheral wall of said chamber, spring pressed plungers engaging the tapered end of the vane so as to yieldingly maintain the latter in engagement with the wall of the chamber, means for introducing fluid under pressure into said chamber on both sides of said vane, so as to maintain a balanced pressure upon opposite sides thereof while said chamber is closed, and means for selectively venting said chamber at any one of a plurality of preselected circumferential positions, whereby the fluid pressures upon the sides of said vane will be unbalanced and the vane will be caused to travel to the vented location.

2,481,427
BEDPAN PAD
Cora Hanna Hunter, Lewiston, Idaho
Application October 30, 1946, Serial No. 706,541
2 Claims. (Cl. 4—113)



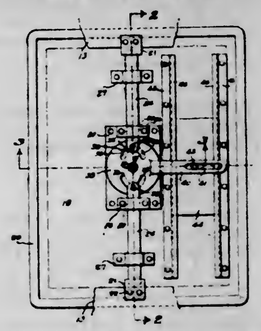
1. A cushioned bedpan pad of a size to substantially cover the major portion of the usual seating flange on a conventional type bedpan, said pad being of general horseshoe-shaped form and constructed of rubber and being made up of a plurality of complemental laminations, a thin bottom lamination adapted to rest on said seating flange, a thin top lamination, said laminations being secured together around their inner and outer peripheral edges, and a comparatively thick intervening lamination between the first named laminations and functioning as a filler, said intervening lamination being made from highly pliant and compressible air-foam rubber, the free end portions of the limbs of said pad being provided with hooks engageable with edge portions of said seating flange, a primary strapping tape secured to the outer marginal edge portions of said pad and substantially surrounding the latter, said tape having free end portions extending beyond corresponding end portions of the pad and provided with separable fasteners, said free end portions being adapted to embrace the forward end portion of the bedpan to partly hold the pad on the pan, and a plurality of auxiliary cross-tapes secured to longitudinally spaced portions of said first-named tape and being adapted to extend transversely across the bottom of the bedpan, the free ends of said auxiliary tapes having connectible separable fasteners, whereby said primary and auxiliary tapes serve to snugly and satisfactorily harness the pad on the bedpan.

2,481,428
CIRCUIT BREAKER SYSTEM
Erwin Kern, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application November 13, 1946, Serial No. 709,463
In Switzerland November 16, 1945
2 Claims. (Cl. 175—294)



2. A tripping arrangement as defined in claim 1 wherein said relay means is comprised of a pair of relays energized from the secondary side of the associated transformer, one of said relays when energized closes the energizing circuit of the second relay, said second relay is provided with a time delay opening device and when energized serves to condition the circuit between the transformer secondary and the electro-responsive means, and said circuit is completed through contacts closed by said first relay upon its return to a deenergized position as said main line circuit interrupting device opens.

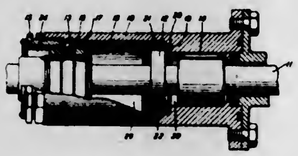
2,481,429
SAFETY HATCH OPERATING MECHANISM
Robert Kerr, Detroit, Mich.
Application April 18, 1947, Serial No. 742,263
3 Claims. (Cl. 292—21)



1. An automatically-released latching device for a vehicle roof safety hatch comprising a latch

keeper having a latch bolt receiving portion secured to the vehicle roof, a latch bolt slidably mounted on said hatch and having a cam follower connected thereto, a cam rotatably mounted on said hatch and having an arcuate cam shoulder thereon arranged at a varying distance from the axis of rotation thereof and engageable with said cam follower, an arm secured to said cam, and a movable weight operatively connected to said arm to shift said arm and rotate said cam in response to the motion of said hatch into a vertical position, said cam shoulder having two portions extending spirally inward in opposite directions from a common junction.

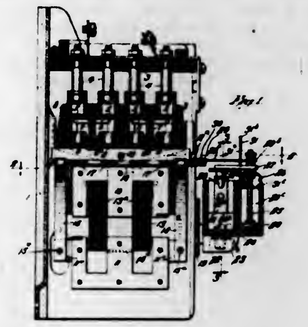
2,481,430
PRESSURE SEAL FOR ROTARY JOINTS
Fredrick W. Koller, Huntington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 8, 1946, Serial No. 653,067
2 Claims. (Cl. 286—11)



1. In an annular sealing device in combination, a fixed tubular member and a rotatable shaft member, an annular shoulder on the interior of said fixed member, a threaded collar positioned adjacent said shoulder, a sealing member positioned in said fixed member and having its periphery clamped between said collar and said shoulder, said sealing member comprising a dished ring of resilient material having embedded therein, but not extending beyond the periphery thereof, a metallic ring having a plurality of inwardly extending flexible fingers for reinforcing and exerting pressure on said resilient ring, said resilient ring provided on its convex surface with a plurality of spaced apart annular ridges of arc shape configuration, and having grease-retaining grooves therebetween, said shaft passing through said ring and having a shoulder thereon in engagement with the ridges on the surface of said resilient ring, and means on the interior of said fixed member for forcing said shoulder into intimate contact with said resilient ring to effect a seal therebetween.

2,481,431
SHOCKPROOF ELECTROMAGNETIC RELAY
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application August 10, 1943, Serial No. 498,031
14 Claims. (Cl. 175—375)

1. An electromagnet having a stationary element and a movable element actuated to its attracted position upon excitation of the magnet winding, contacts in the circuit of the magnet winding for maintaining the excitation of the magnet when said contacts are closed, means controlled by movement of said movable element to its attracted position for closing said contacts and to its unattracted position for opening said contacts, and auxiliary means for retarding the opening of said contacts relatively to the movement



of said movable element towards its unattracted position.

2,481,432
GARMENT HANGER
William T. Mattausch, Rosalia, Wash.
Application June 1, 1946, Serial No. 673,796
1 Claim. (Cl. 223—91)

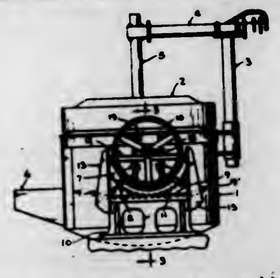


A garment holder comprising a hanger formed of wire bent to form a hook and arms extending in opposite directions from the lower end thereof, said arms extending at a downward incline from the hook and having end portions bent inwardly to form fingers extending toward each other, and a rigid stretcher bar extending between the arms and consisting of an intermediate tube having open ends into which the fingers fit to support the stretcher bar and side tubes disposed at opposite sides of the intermediate tube and spaced transversely therefrom for the major portion of the length of the intermediate tube and constituting jaws for gripping garments slid into place between the tubes, said side tubes each having an end portion inwardly offset and disposed in face to face engagement with opposite side faces of one end portion of the intermediate tube, and rivets passing through the intermediate tube and the offset end portions of the side tubes and firmly securing the tubes to each other.

2,481,433
TILTING MEANS FOR ELECTRIC FURNACES
John K. McBroom, Waukesha, Wis.
Application October 5, 1946, Serial No. 701,551
1 Claim. (Cl. 13—10)

An electric furnace having tilting and supporting means and having a body portion, said tilting and supporting means comprising a pair of segmental members rigid with said body portion and located on opposite sides thereof and provided with segmental teeth, stationary tracks located on opposite sides of said body portion and arranged to support said segmental members, racks

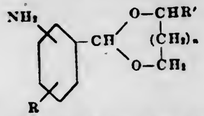
adjacent said tracks meshing with the segmental teeth of said segmental members, an upper rack located above one of said first mentioned racks and parallel thereto, a pinion independent of said



segmental members and freely revolubly mounted about an axis coinciding with the axis of said segmental members and meshing with said upper rack, and means for rotating said pinion to thereby bodily shift said body portion and cause said body portion to tilt.

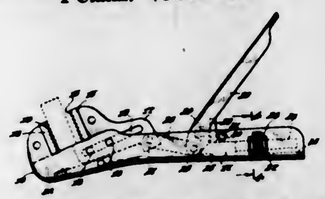
2,481,434
CYCLIC AMINOBENZALDEHYDE ACETALS OF 1,2- AND 1,3-GLYCOLS OF TWO TO FOUR CARBON ATOMS
David M. McQueen and David W. Woodward, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 28, 1946, Serial No. 719,110
6 Claims. (Cl. 260—338)

1. The cyclic aminobenzaldehyde acetals of the formula:



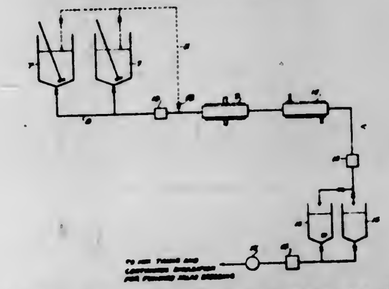
where R is a member taken from the group consisting of hydrogen, methyl, ethyl, phenyl, naphthyl, methoxy, and ethoxy groups, R′ is taken from the group consisting of hydrogen and methyl, and n is a cardinal number from 0 to 1.

2,481,435
LEVERAGE WRENCH
Charles Meunier, Great Neck, N. Y.
Application October 9, 1945, Serial No. 621,221
1 Claim. (Cl. 81—88)



In a wrench, a holder of U shaped formation in cross-section providing longitudinally extending opposite side walls and a rounded rear wall and including an elongated handle portion and a forward portion disposed at an angle to the handle portion, fixed and movable jaws carried by said forward portion, said movable jaw having a longitudinally extending slot opening through the opposite sides thereof, cross pins mounted in the opposite side walls of said holder and extending through said slot for guided reciprocatory movement of said movable jaw toward and away from said fixed jaw, a longitudinally reciprocatory bar located between the side walls of the handle portion and having a threaded shank, a link pivoted at its forward end to said movable jaw, a locking handle pivoted at its inner end in spaced apart relation to the forward end of said bar and to the rear end of said link and projecting outwardly from between the walls of the handle portion on the same side thereof as said jaws for facilitating manipulation of the locking handle by the fingers of the user and said locking handle being swingable from an angular position with reference to the handle portion of said holder to a position substantially aligned therewith for moving the movable jaw toward and away from the fixed jaw and for retaining the same in locked position against an article held between the jaws and a thumb nut swivelly mounted in openings in the side walls of said handle portion and threadedly engaging said shank for imparting increments of adjustment to the movable jaw toward and away from the fixed jaw.

2,481,436
PROCESSING OF STARCH PASTES
Bruce De Haven Miller, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application June 3, 1946, Serial No. 674,617
5 Claims. (Cl. 127—32)



1. The process of preparing starch pastes which comprises mixing starch with water to form a slurry, continuously feeding the slurry in a thin confined layer, under positive pressure endwise to and through an elongated heating zone having a heat transfer wall, gelatinizing the slurry in said zone by supplementarily agitating and indirectly heating the slurry through said wall, continuously discharging the resultant paste from the heating zone and continuously feeding the paste in a thin confined layer under positive pressure endwise to and through an elongated cooling zone having a heat transfer wall, and cooling the paste in the cooling zone by supplementarily agitating and indirectly cooling the paste through said wall to a temperature below effective starch cooking temperature.

2,481,437
LICENSE PLATE HOLDER
John A. Miller, Detroit, Mich., assignor to Kaiser-Fraser Corporation, Willow Run, Mich., a corporation of Nevada
Application September 5, 1947, Serial No. 772,353
4 Claims. (Cl. 248—281)

1. A vehicle license plate holder including a bracket having an outer substantially vertical

portion, an intermediate portion joined to said outer portion at an angle thereto and an inner portion joined to said intermediate portion at an angle thereto, said inner portion being adapted to be connected to a vehicle bumper, said bracket intermediate portion having a pair of spaced slots formed therein adjacent its juncture with said outer bracket portion, a license plate

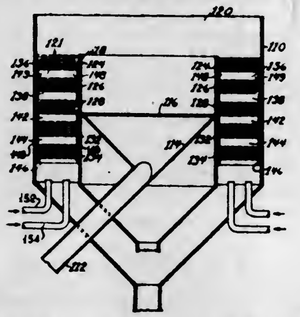


retainer element slidably received in each of said bracket slots so as to be disposed in a generally vertical plane, means on the upper end of each of said retainer elements for engaging and retaining the upper portion of the license plate, and means for securing the lower portion of the license plate and the lower portion of each of said retaining elements to said outer bracket portion.

2,481,438
N(ETHYL MERCURY)-p-TOLUENE SULFONANILIDE AS SEED DISINFECTANT
Dwight F. Mowery, Jr., Marblehead, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1947, Serial No. 728,949
4 Claims. (Cl. 167—38)

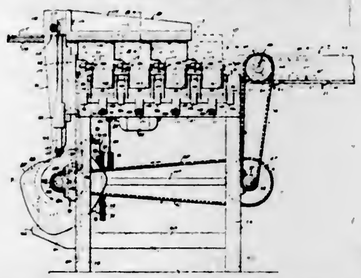
1. A dust composition useful as a seed disinfectant comprising as an essential active ingredient N(ethyl mercury)-p-toluene sulfonanilide in admixture with a finely divided inert powder.

2,481,439
GAS-SOLIDS CONTACTING APPARATUS INCLUDING MEANS FOR STRIPPING SOLID PARTICLES
Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 7, 1945, Serial No. 609,461
3 Claims. (Cl. 23—288)



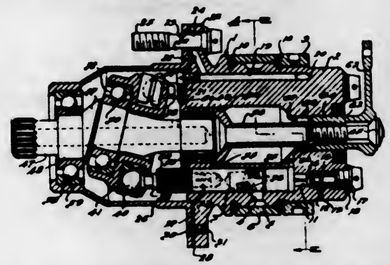
1. An apparatus adapted for contacting finely divided solids with gases, said apparatus comprising in combination a vertical cylindrical shell, a narrower open-top cylinder placed concentrically within the lower part of said shell and spaced from the wall thereof to form an annulus, a plurality of cellular cartridges in said annulus each comprising a multiplicity of metal bars arranged in crisscross relation to form an open mesh grating section, several of said grating sections being stacked as a unit with the openings in aligned relation to form vertically arranged cells through each cartridge, means for supporting said cartridges one above the other in spaced relation, the depth of the spaces between said cartridges being no more than about one-half the depth of the cartridges, centrally located means for introducing solid particles and gaseous reactants near the bottom of said apparatus, means for introducing stripping gas into the lower part of said annulus below one of the lower cartridges, means for withdrawing said particles from near the bottom of said annulus, and also means for withdrawing gases from the upper part of the shell.

2,481,440
EGG-GRADING MACHINE
Clarence Page, Detroit, Mich., assignor to Page and Cox, Detroit, Mich., a corporation of Michigan
Application December 27, 1946, Serial No. 718,755
5 Claims. (Cl. 209—121)



1. An egg-grading machine comprising a supporting structure having a plurality of spaced egg-weighing stations arranged in succession thereon, an egg-weighing device disposed at each station and including a weighing element responsive to the weights of the eggs in excess of a predetermined weight for ejecting said eggs, a horizontally movable conveyor mounted adjacent each weighing station in the space between successive stations and immediately below the level of said weighing element for carrying away the ejected eggs, an egg transfer device having egg-holders thereon movable between said weighing stations for transferring eggs therebetween, said ejected egg conveyors being mounted for travel transversely to the direction of travel of said egg transfer device, the weighing devices at said stations being constructed and arranged to eject eggs exceeding a different predetermined weight for each station, and power-actuated mechanism operably connected to said egg transfer device and arranged to move said egg holders approximately in inverted U-shaped paths from station to station, said paths including downwardly-directed loop portions extending downwardly to said weighing elements at the corresponding stations and also including substantially horizontal forward and return portions and passing over and extending between the upper ends of said loop portions above said conveyors at a height sufficient for clearance between said egg holders and the ejected eggs traveling transversely on said conveyors.

2,481,441
FUEL INJECTOR
Ben G. Parsons, Grosse Pointe, Mich., assignor to Fuel Charger Corporation, Detroit, Mich., a corporation of Michigan
Application May 11, 1945, Serial No. 593,294
3 Claims. (Cl. 103—173)
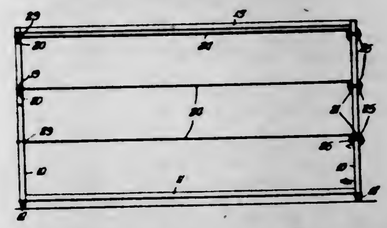


1. In a multicylinder liquid pump, a pump body having a plurality of circumferentially spaced, longitudinally extending plunger barrels, an inlet port communicating with each barrel through the side thereof, a delivery port communicating with each barrel through the inner end thereof, a pressure responsive valve in each delivery port, a delivery plunger disposed within each barrel having a hollow delivery chamber in the end facing said delivery port and said end terminating in a plane normal to the longitudinal axis of said plunger, means forming a helical recess partly around the periphery of each plunger and spaced inwardly from said end, an opening through the base of each recess communicating with said chamber, said plungers being disposed in said barrels so that the inner ends thereof overlap said inlet ports, and means connected to said plungers to effect reciprocation thereof, the construction and arrangement of said last-named means, said plungers and said openings being such that, upon reciprocation of said plungers, said inlet ports communicate with said chambers through said openings only.

2,481,442
ADJUSTABLE HAND RAKE
Edgar D. Paul, Wynnewood, Pa.
Application January 7, 1947, Serial No. 720,624
2 Claims. (Cl. 56—400.20)



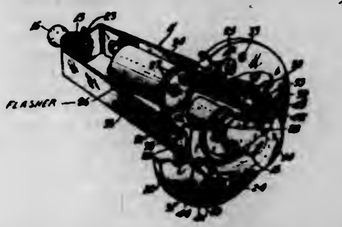
1. A hand rake having a handle, a head, an adjustable pivotal connection having fixed adjustment positions between one end of the handle and the head and conventional resilient broom type rake tines on the head diverging therefrom, whereby the angular relation of the tines to the handle can be changed to a position in which the rake can be used as a pusher rake.

2,481,443
LAUNDRY DRYING RACK
Sam Pawiansky, Chicago, Ill., now by judicial change of name, Sam Women Sam
Application October 15, 1947, Serial No. 780,678
7 Claims. (Cl. 211—119.10)



2. A portable laundry drying rack comprising an upright support at each end thereof, means for rigidly interconnecting said upright supports, supporting members carried by each upright support, hanging members mounted upon a supporting member at one end of the rack, each of said hanging members including a separate and independently and individually operable spring actuated reel and a cooperating flexible tape spirally wound around said reel, said tape being actuated by spring tension to maintain the same in a taut extended condition, lugs carried by a supporting member at the opposite end of the rack, and means for engaging said flexible tapes with said lugs when said tapes are in an extended position, said means including rings at the free ends of said flexible tapes insertable over said lugs.

2,481,444
PORTABLE TROUBLE LIGHT FOR AUTOMOBILES
Percival A. Pierres, Belleville, N. J., assignor to La Scala Corporation, Orange, N. J., a corporation of New Jersey
Application September 18, 1947, Serial No. 774,815
3 Claims. (Cl. 177—329)



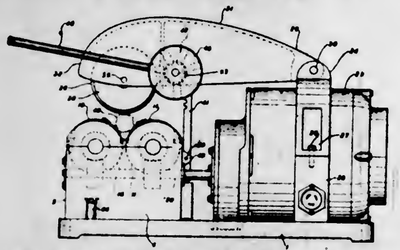
6. In a portable lamp, a tubular casing having at least one open end, a frame to be secured in said casing through said end, said frame having spaced arm members, latch members on said arm members, and a light bulb unit plate engaging the latch members of said arm members when the plate is inserted in said frame to interlock therewith, and to thus removably latch the light bulb unit plate to said frame.

2,481,445
FISH LURE
Joseph George Premo, Jr., Barrington, Ill.
Application May 10, 1946, Serial No. 668,949
1 Claim. (Cl. 43—42.19)



A fish lure comprising a plate, one end of the plate being extended at an oblique angle with respect to the main portion of the plate, an apertured ear extending laterally from one end of the plate, an apertured ear provided at the base of the angularly disposed end, said angularly disposed end having a hole in alignment with the apertures of said ears, the second-mentioned ear being disposed laterally aligning with the first-mentioned ear, an attaching wire extending through the aligning ears, said attaching wire also passing through said hole, and ball bearings on the wire resting against the ears, said plate being adapted to rotate around the attaching wire.

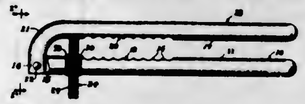
2,481,446
PIPE AND TUBE CUTTER
Louis Quijada, Alhambra, Calif.
Application December 15, 1947, Serial No. 791,829
4 Claims. (Cl. 164—60)



4. A cutting tool for cutting a hollow cylindrical member, comprising a housing, a pair of horizontal parallel shafts journaled within the housing, a roller fastened to each shaft and spaced in proximity to each other, the housing being provided with cut-out portions to expose the upper portions of the rollers, power means for rotating the shafts in the same direction and thereby rotating the cylindrical member placed on the rollers, a movable arm in operating relation over the tops of the rollers, a disc cutter mounted on the arm and freely rotatable about a horizontal axis parallel to the axis of said rollers, so that the cutter is adapted to make contact with the top of the cylindrical member when the arm is brought down, said shafts being provided with gears within the housing which are geared to the power means, an oil well provided within the housing, and oil rings mounted within the housing in contact with the gears to dip into the oil well and carry the oil to the gears.

2,481,447
NUTCRACKER WITH ADJUSTABLE SPACER CAM
Joseph A. Scaparro, Brooklyn, N. Y.
Application October 2, 1945, Serial No. 619,786
8 Claims. (Cl. 146—13)

1. In a nutcracker comprising a pair of cracking jaws, means for limiting the approach of said jaws toward one another comprising a rotatable cam plate mounted on one of the jaws to rotate around the jaw and adapted for peripheral con-



tact with the other jaw, said cam plate being balanced by removal of material from the side having the greater radius so as to have no tendency to rotate under the force of gravity.

2,481,448
RINGLET CURLER
Elda Mae Schiller, Emmett, Idaho
Application September 20, 1946, Serial No. 698,272
2 Claims. (Cl. 132—42)



1. A hair curler of the class described comprising an elongated cushioned pad constituting a winding core, said pad being provided at its outer end with a relatively short, flexible tie element and at its inner end with an elongated tape, said tape being of a length considerably greater than the length of said pad and terminating in an additional tie element, said pad embodying a jacket and compressible filler means in the jacket, said jacket being of water-proof material, said tape being of open-work fabric for free ventilation, air circulation and drying purposes.

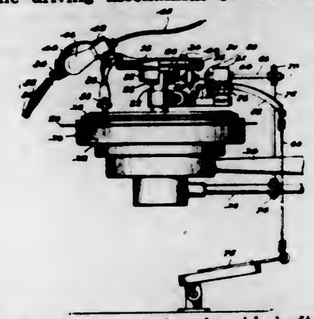
2,481,449
VAT DYESTUFF DERIVED FROM AMINODIBENZANTHRONE
Wilhelm Schmidt-Nickels, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 7, 1947, Serial No. 778,463
2 Claims. (Cl. 260—254)

1. A vat dyestuff which dyes cotton from a blue vat in bluish-gray shades fast to chlorine and which is obtained by heating to a temperature above 220° C. a solution of aminodibenzanthrone in a substantial excess of 1-chloro-2,4-dinitrobenzene.

2,481,450
POINT ILLUMINATING AND MAGNIFYING ATTACHMENT FOR LOOPING MACHINES
Shepard Schwartz, Nashville, Tenn., assignor to May Hosiery Mills, Davidson County, Tenn.
Application September 18, 1946, Serial No. 697,703
6 Claims. (Cl. 112—25)

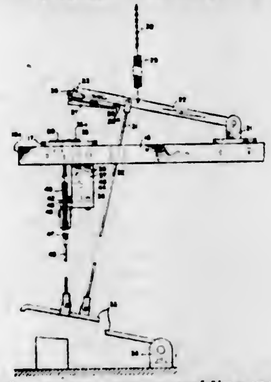
1. A visual aid attachment for a looping machine having a rotatable dial and a relatively fixed stud at the center of said dial, said attachment comprising a disc mounted on said stud for free rotation relative thereto; an arm extending outwardly from said disc; a magnifying lens carried at the outer end of said arm in position to magnify the dial points at the location at which work is applied thereto; a dial contacting roller carried by said arm to move said lens with said dial to follow the application of work to said points; and means for swinging said lens in the opposite direction comprising an arm on said

stud, a hinged bracket on said arm, a shaft journalled in said bracket, a roller on one end of said shaft frictionally engageable with said disc, a drive pulley on said shaft operatively connected with the driving mechanism of said machine,



holding means associated with said shaft carried roller to normally hold said roller out of contact with said disc, and operator controlled means operative to bring said friction roller into driving contact with said disc.

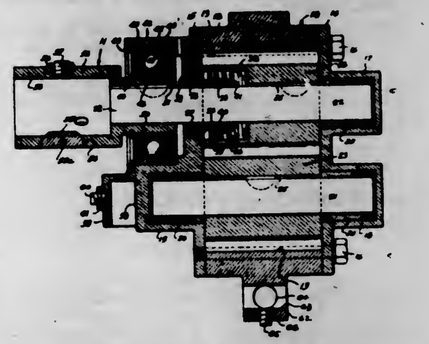
2,481,451
FLORAL ACCESSORY ASSEMBLING MACHINE
George William Shafer, Jamison, Pa., assignor to Ludwig A. Fetzer, Hartsville, Pa.
Application August 25, 1947, Serial No. 770,429
8 Claims. (Cl. 1—3)



1. In a floral accessory assembling machine, an anvil plate, a movably mounted stapling head, an operating member, operating connections between said operating member and said stapling head for advancing said stapling head towards said anvil for stapling, a vertically disposed rotatable work receiving spindle rearwardly disposed with respect to said anvil plate, and actuating mechanism controlled by the movement of said operating member for rotating said spindle.

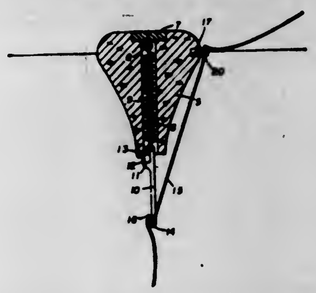
2,481,452
PUMP MOUNTING
David Sherwood, Detroit, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a corporation of Michigan
Application October 14, 1948, Serial No. 54,460
12 Claims. (Cl. 103—218)

1. A combined driving and supporting device for detachably securing to a power output shaft a pump having a casing with a rotor shaft and a rotor driven thereby, said device comprising a bearing housing connected to said pump casing and encircling said rotor shaft, a bearing mounted



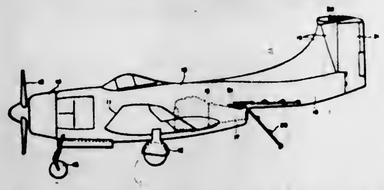
in said bearing housing, and a tubular coupling drivingly connected to said rotor shaft and journaled in said bearing, said coupling having a portion drivingly engageable with said power output shaft.

2,481,453
FISHING FLOAT
Richard S. Stadelhofer, Madison, Wis.
Application May 15, 1947, Serial No 748,185
1 Claim. (Cl. 43—15)



A fishing float having a vertical bore provided with a closed top, a normally contracted coil spring suspended in said bore with an upper end attached to said top, a bottom rest on said float at one side of said bore, a trip arm with a lateral shoulder and an upper end pivoted on the lower end of said spring whereby said arm may be pulled downwardly out of the float to tension said spring and then swung laterally on the spring to position the shoulder under the rest and hold said arm in tensioned position, said trip arm having a lower end eye, an upstanding finger on the lower end of said arm, a slotted side peg on said float with a wedge therein, and a line held by said wedge in the slot of said peg and extended through said eye and hitched around said finger for attachment of a hook thereto, whereby a fish biting on the hook will pull on the arm and release the shoulder from under the rest to permit the spring to jerk the arm upwardly and set the hook in a fish and whereby said line is adjustable along said float by removing the wedge and releasing said hitch.

2,481,454
ARRESTING AND ACCESS MEANS
Frederick I. Steele, Columbus, Ohio, and Quentin P. Thompson, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application October 26, 1946, Serial No. 705,890
8 Claims. (Cl. 244—110)



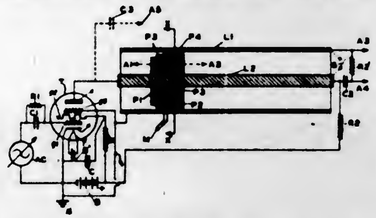
1. In an aircraft having a propulsion jet tail pipe for exhausting rearwardly from the under side of the fuselage with the aft portion of the fuselage overhanging said pipe, a recess of substantially V-formation provided in said aft portion of the fuselage, and a bifurcated arresting hook member with the end portions of its furcations having pivot connections with the aircraft above and at opposite sides of said pipe, said bifurcated member being retractable about said pivot connections into said recess and extensible therefrom to an operative position straddling the path of an exhaust jet from said pipe.

2,481,455
CESIUM BROMIDE SEPARATION
Vernon A. Stenger, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 1, 1948, Serial No. 30,510
3 Claims. (Cl. 23—89)

2. The method of separating cesium as the bromide from a cesium-containing ore containing alkali metals, which comprises digesting the ore in hydrobromic acid, separating the gangue from the resulting bromide solution, adding isopropyl alcohol to the bromide solution so as to precipitate therein the alkali metal bromides including the cesium bromide, separating the precipitate from the solution, treating the precipitate with liquid bromine so as to dissolve the cesium bromide therein in the liquid bromine, separating the resulting solution of cesium bromide in liquid bromine from the undissolved portion of the precipitate, and evaporating the liquid bromine from the separated liquid bromine solution so as to crystallize therefrom cesium monobromide.

2,481,456
ELECTRICAL ALTERNATING CURRENTS AMPLIFIER
Howard J. Tyzzer, Mountain Lakes, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey
Application March 9, 1945, Serial No. 581,865
2 Claims. (Cl. 179—171)

1. A wide range amplifier apparatus adapted to operate over a range of frequencies of the order of 200 to 500 megacycles per second, comprising a multiple-electrode electron tube having an input electrode adapted to have impressed thereon signals to be amplified and within said frequency range and also having an anode and a cathode; a section of coaxial line of predetermined length having inner and outer conductors, adjoining ends of said conductors being respectively connected directly to said cathode and said anode; a capacitive shunt for said line section comprising a pair of conductive disk members relatively insulated from one another and respectively conductively and slidably connected to said inner and outer conductors, said disk members being slidable along said conductors to provide an adjustably positionably shunt capacitance across said coaxial line section, the portion of said line section between said shunt and the end of said line connected to said tube providing a tunable tank circuit for said tube with a resonant frequency determined by the length of said portion and hence by the



position of said shunt, said shunt being adapted to transfer energy from said line section portion to the remainder of said line section; a terminating impedance element connected across the ends of said inner and outer conductors remote from said tube and having an impedance matching the characteristic impedance of said line section; and a pair of output terminals also connected respectively to said remote ends of said inner and outer conductors, whereby upon suitable adjustment of said shunt the portion of said line section between said remote end and said shunt forms a tuned tank circuit for said input signals, and the remainder of said line section forms an output coupling for the amplified signal.

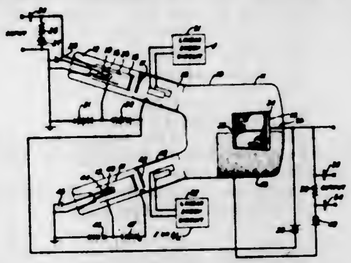
2,481,457
GALVANIZING FLUX COMPOSITIONS AND PROCESSES
Charles A. Vana, Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 3, 1945, Serial No. 576,162
6 Claims. (Cl. 148—23)

1. A foaming-type galvanizing flux consisting essentially of zinc ammonium chloride and pentaerythritol, the proportion of pentaerythritol being about from 0.1 to 1.0% by weight of the zinc ammonium chloride.

2,481,458
CATHODE-RAY DEVICE
Hugh S. Wertz, New Hyde Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1943, Serial No. 505,969
6 Claims. (Cl. 250—150)

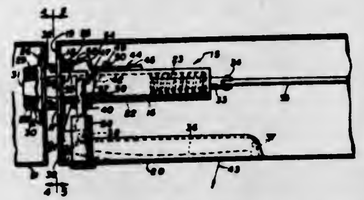
1. An electron beam tube comprising a container enclosing a target comprising an array of spaced conducting strips generally parallel to each other, conductive means spaced a small distance from said strips to form therewith capacity storage means, means for generating a beam of electrons and for sweeping it across corresponding edges of said strips in succession, means

on the same side of said target as said first beam generating means for generating a second beam of electrons and for sweeping it across corresponding edges of said strips in succession, said beams sweeping in different portions respectively of said target and each always in the same



path, one only of said paths emitting an excess of secondary electrons upon beam impact, a secondary electron collecting electrode positioned nearer said one of said paths than the other of said paths, and a terminal member connected to said conductive means for taking an electrical output signal from said tube.

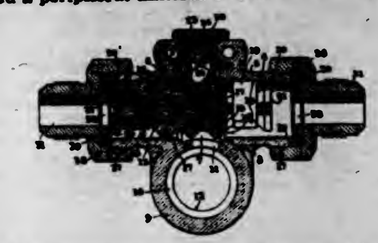
2,481,459
DOOR LOCKING MECHANISM
Guy H. Whitney, Bangor, Maine
Application February 24, 1947, Serial No. 730,314
1 Claim. (Cl. 292—153)



In a locking mechanism for a door provided in one side thereof with an elongated recess, a tubular sleeve secured in said door and formed with diametrically opposed openings, a spring-pressed locking bolt slidable in said sleeve and provided with a transverse slot, an outwardly swingable handle pivoted in said recess, an inwardly projecting finger provided on said handle, said finger extending through the openings in said sleeve and being engageable with an edge of said slot in said bolt, a keeper pivoted to said sleeve and formed with a notch engageable with said finger, and means on said door for disengaging said keeper from said finger.

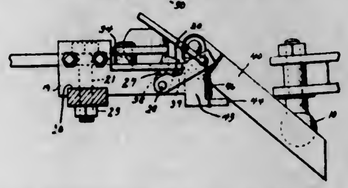
2,481,460
VALVE ASSEMBLY
Eugene D. Williams, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1945, Serial No. 589,552
7 Claims. (Cl. 251—167)

1. A valve seat structure comprising a flat metal ring having a central flow passage, an annular groove in one face of the ring and surrounding said flow passage, an annulus of deformable material in and extending slightly as a yieldable seating ring portion from said groove, and a peripheral annulus of said deformable ma-



terial surrounding the ring and projecting beyond both faces thereof in the axial direction.

2,481,461
BALL-AND-SOCKET IMPLEMENT COUPLER
Harold P. Wolfrum, Defiance, Ohio
Application July 17, 1947, Serial No. 761,645
2 Claims. (Cl. 280—33.17)



1. An implement coupler comprising a plate, means whereby said plate is attached to the rear portion of a tractor, side extensions on said plate having longitudinal slots therein, rocking bolts playing in said slots, means for biasing said bolts to a rear locking position, means for swinging said bolts to a forward release position, pivoted jaws above and adjoining said bolts having dependent parts adapted to engage the sides of the bolts when the jaws are closed and adapted to extend in rear of the bolts when the jaws are open to prevent the bolts from moving to locked position, and a ball adapted to be carried by the implement for entering between said jaws.

2,481,462
HARVESTER FOR SUGAR CANE OR THE LIKE
Percy Tyler Woodland, Swalwell, Alberta, Canada
Application April 11, 1947, Serial No. 740,741
4 Claims. (Cl. 56—17)



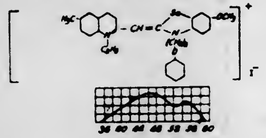
1. In a cane harvester of the class having an inclined topping blade; stripping means extending in parallel spaced apart relation to, and above said above-mentioned blade designed to engage cane and remove the entangling top growth thereon, and actuating means for actuating said cane against said blade including two

deflector members each adapted to extend the length of said above mentioned blade in parallel spaced apart relation thereto, one of said deflectors being mounted above the level of said blade the other being mounted beneath the level of said blade, said latter mentioned deflector being mounted closer to said topping blade in a horizontal direction than said first mentioned deflector, and means for causing cane to pass around said latter mentioned deflector on the side adjacent said blade and around said first mentioned deflector on the side opposite said blade to flex said cane whereby cane engaging with said deflectors is actuated against said blade after it is released from said strippers and from said first mentioned deflector selectively to top it.

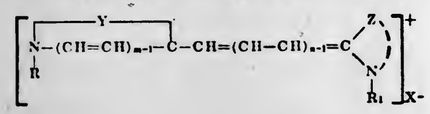
2,481,463
BLEACHING WOOL GREASE
Eric R. Woodward, New York, and Ivar Malmstrom, Brooklyn, N. Y., assignors to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application January 30, 1947, Serial No. 725,270
5 Claims. (Cl. 260—423)

1. A process for bleaching wool grease which comprises subjecting the wool grease to the conjoint action of sodium chlorite and sodium hypochlorite by mixing with the grease in a molten state an aqueous solution of sodium hypochlorite and immediately thereafter mixing with the resultant admixture an aqueous solution of sodium chlorite, the pH of the mixture to which the chlorite is added being non-acidic.

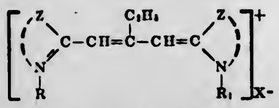
2,481,464
PHOTOGRAPHIC EMULSIONS CONTAINING N-ARYLOXY-, ARYLTHIO- AND ARYLSELENOALKYL CYANINE DYES
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 29, 1945, Serial No. 638,493
4 Claims. (Cl. 95—7)



1. A photographic gelatino silver-halide emulsion which contains a dye selected from the group consisting of dyes of the general formulae:

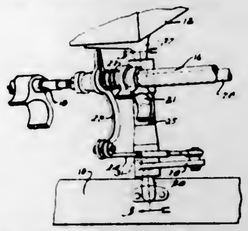


and



wherein R represents a member selected from the class consisting of alkyl, aralkyl, aryloxyalkyl, arylthioalkyl and arylselenoalkyl groups. R_1 represents a member selected from the class consisting of aryloxyalkyl, arylthioalkyl and arylselenoalkyl groups, m represents a positive integer of from 1 to 2, n represents a positive integer of from 1 to 4, X represents an acid radicle, Y represents the atoms necessary to complete a member selected from the class consisting of 5-membered and 6-membered heterocyclic nitrogenous ring system and Z represents the atoms necessary to complete a 5-membered heterocyclic nitrogenous ring system.

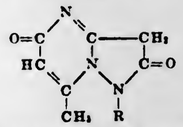
2,481,465
TRANSMISSION CONTROL
Jay C. Auten, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 27, 1946, Serial No. 679,757
3 Claims. (Cl. 74—473)



1. In a motor vehicle, a frame and body assembly, a power unit including a variable speed ratio transmission mounted for movement relative to said frame and body assembly, means mounted within said frame and body assembly for changing the speed ratio drive in said transmission, a control member mounted for movement on said assembly, a U-shaped shaft located in close proximity to said member and having opposed leg portions and a connecting bight portion for accommodating movement of said control member between said leg portions, said shaft being supported at one end for universal movement by said power unit and supported at its other end for universal movement by said frame and body assembly, said means being adapted to rotate said shaft about one axis when actuated by the vehicle driver and a second means to transmit rotation of said shaft to said transmission to effect a change in speed ratio drive therein.

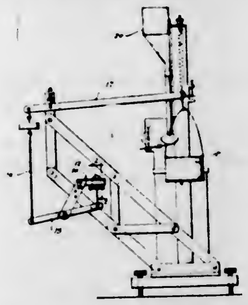
2,481,466
1-SUBSTITUTED - 2,5 - DIKETO -7- METHYL-PYRIMIDOPYRAZOLES AND PROCESS OF PREPARING THE SAME
Abraham Bavley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 17, 1944, Serial No. 563,974
13 Claims. (Cl. 260—25)

1. Chemical compounds of the general formula:



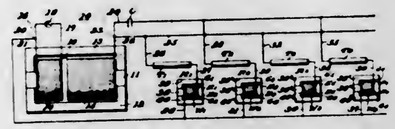
wherein R is selected from the class consisting of alkyl of not more than 24 carbon atoms, aryl, aralkyl and unsubstituted mono-nitrogenous heterocyclic groups.

2,481,467
TENDERNESS TESTING MACHINE
Oscar T. Bloom, Chicago, Ill., and Ruth Carr Wanty, Ypsilanti, Mich., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1946, Serial No. 688,982
5 Claims. (Cl. 73—78)



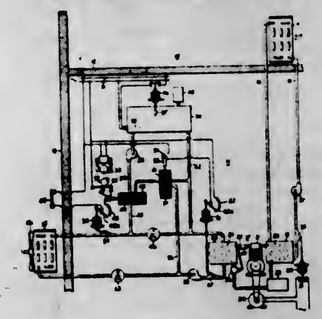
1. A method of testing the tenderness of a meat product comprising cutting a sample of the product to be tested, said sample taking the form of a generally slender rod, shearing through the sample in a direction generally at right angles to the grain thereof by drawing a loop of a round wire of small diameter through the rod while it is supported over a slot having rounded edges of approximately the same diameter as that of the wire, and measuring the force required to effect severance of the rod.

2,481,468
LUMINESCENT TUBE SYSTEM AND APPARATUS
John Herold Bridges, New York, N. Y., assignor to National Inventions Corporation, a corporation of New Jersey
Original application August 12, 1943, Serial No. 498,344. Divided and this application October 1, 1946, Serial No. 700,427
5 Claims. (Cl. 315—258)



1. A gaseous-electric discharge tube lighting system, comprising in combination: a transformer including a primary winding connected across a source of electrical supply, and a secondary winding step-up source of output supply; at least two pairs of gaseous electric discharge tubes connected in parallel circuits with said transformer secondary winding; current limiting self-inductances having magnetic cores and included air-gaps included in each circuit of each pair of said parallel circuits; and individual condensers additionally included in one circuit of each pair of said circuits for effecting different phase operation for one tube circuit of each pair as compared with the remaining tube circuit of that pair.

2,481,469
REFRIGERATING SYSTEM
Coy W. Brown, Roseland, N. J., assignor to General Electric Company, a corporation of New York
Application July 21, 1947, Serial No. 765,117
10 Claims. (Cl. 62—2)



1. A refrigerating system including a refrigerant condensing unit and an evaporator connected in a closed refrigerant circuit, an air-to-liquid heat exchanger, means for circulating a heat transfer liquid over said evaporator and through said heat exchanger in series, means for circulating air over said exchanger to supply heat to said evaporator, a storage tank for heat transfer liquid, means for heating the liquid in said tank, and means arranged to connect said tank to said liquid circulating means for circulating liquid from said tank through said exchanger to raise the temperature of said exchanger and melt frost accumulated on the outer surface thereof.

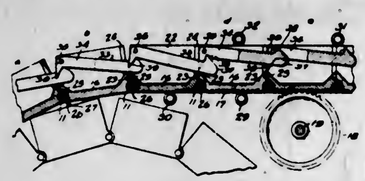
2,481,470
PROCESS FOR THE PREPARATION OF AROMATIC COFFEE EXTRACT
Heinrich Cohen, Geneva, Switzerland, assignor to Laboratoires Medial S. A., Geneva, Switzerland, a corporation of Switzerland
No Drawing. Application June 26, 1948, Serial No. 35,535. In Switzerland June 28, 1947
10 Claims. (Cl. 99—71)

1. Process for the preparation of aromatic coffee extract, which comprises subjecting roasted coffee to the action of ethyl alcohol, subjecting the remaining residue to an aqueous extraction, concentrating the aqueous extract substantially to a solid, subjecting the alcoholic extract to at least a single cooling action to precipitate fatty substances contained in the alcoholic solution, separating the fatty substances from the solution, and combining the alcoholic solution thus freed from the fatty substances with the dried aqueous extract.

2,481,471
BOOM
André Crot, North Hollywood, Calif., assignor to James B. Humphrey, Los Angeles, Calif.
Application April 18, 1947, Serial No. 742,432
11 Claims. (Cl. 189—34)

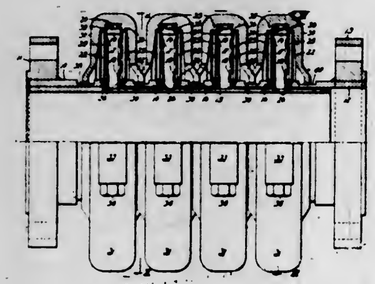
1. In a self-rigidifying chain structure, a plurality of links hinged to each other on axes adjacent one side thereof, and a corresponding series of locking elements each pivoted at one end to one end of a corresponding link and having its opposite end formed with means for locking engagement with the link adjacent the other end

of said corresponding link, each of said locking elements being further provided with means arranged to be engaged by the link adjacent its pivoted end as the latter link and said correspond-



ing link move into relative positions for rigid interconnections, whereby to positively move said locking element into said locking engagement.

2,481,472
PACKLESS EXPANSION JOINT
Herbert P. Culp, Williamsville, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y.
Application February 3, 1948, Serial No. 6,099
10 Claims. (Cl. 285—162)



1. In an expansion joint, a ring member, a pair of circular diaphragms secured at their outer margins to opposite sides of said ring member, a pair of spaced tubular members, said diaphragms having central openings and being secured at the margins of said openings to the facing ends of said tubular members, and an outer casing comprising a pair of semi-circular members adapted to be secured about said ring member in clamping relation and having spaced inwardly extending flanges for encasing said diaphragms, said tubular members having external peripheral grooves receiving the inner edges of said flanges and thus limiting the degree of relative axial movement between said casing and each of said tubular members.

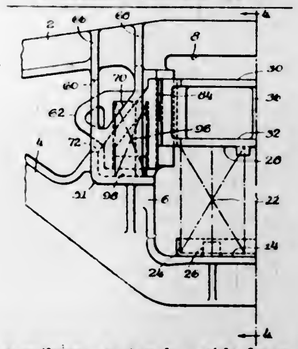
2,481,473
LEAD BOROSILICATE ENAMEL
Frank B. Hodgdon, Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 3, 1945, Serial No. 626,573
5 Claims. (Cl. 106—49)

3. A lead-boro-silicate enamel slip comprising a frit, and magnesium oxide as a deflocculant, said frit having incorporated therein strontium chloride in the amount of 2% to 5% by weight of the slip.

2,481,474
PORCELAIN ENAMEL
Gilbert Goodman, Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York.
No Drawing. Application April 30, 1946, Serial No. 666,509
3 Claims. (Cl. 106—49)

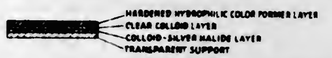
1. A lead borosilicate enamel slip comprising a lead borosilicate frit, colloidal clay, and in addition to said frit and clay between about 1 per cent and about 5 per cent by weight of a compound selected from the group consisting of strontium chloride and barium chloride.

2,481,475
FRICTION DAMPED TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 15, 1945, Serial No. 599,543
9 Claims. (Cl. 105—197)



4. In a railway car truck, a side frame of truss type comprising tension and compression members and spaced columns defining a bolster opening, a bracket integrally formed on the outboard face of each column in the form of a housing for associated friction means, said housing having a bottom wall defining a spring seat, a wall remote from said opening with a vertical slot therein, and a diagonal wall with a slot aligned with said first-mentioned slot, said aligned slots accommodating a portion of an associated friction shoe and said seat affording an abutment for an associated spring in the vertical planes defined by said slots.

2,481,476
COLOR YIELDING PHOTOGRAPHIC ELEMENTS
Otis Willard Murray, Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 2, 1945, Serial No. 580,561
3 Claims. (Cl. 95—2)

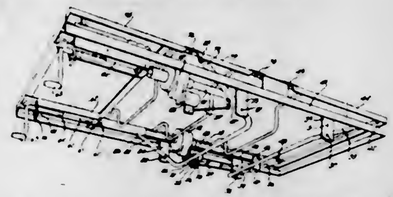


1. A photographic element comprising a support in sheet form bearing an outermost light-insensitive layer composed of a polyvinyl acetal color former containing an active dye coupling structure of the formula

$$HO-\left(\begin{matrix}|\\C=C\\|\end{matrix}\right)_n-\begin{matrix}|\\C=CH\\|\end{matrix}$$

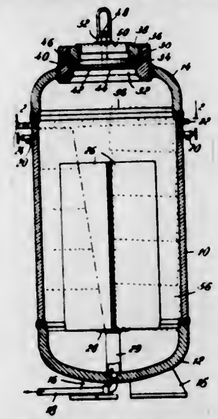
where n is a number taken from the class consisting of 0 and 1 which color former has been hardened by treatment with a protein hardening agent taken from the class consisting of aldehydes, ketones, and aldehyde yielding compounds, and at least one light-sensitive colloid silver halide emulsion layer separated from said color former layer by a water-permeable layer of such thickness that no color coupling action takes place between the color former and silver halide.

2,481,477
SCREW AND NUT BED ACTUATOR
Walter E. Peery, Morristown, N. J.
Application June 11, 1946, Serial No. 675,989
1 Claim. (Cl. 74—424.8)



Actuating mechanism for translating rotary motion into linear motion comprising a lead screw, a casing, a nut within said casing and rotatable about and movable longitudinally of said lead screw, a motor, gear means coupling said motor to said nut, means for rotating said lead screw thrust means secured to said casing and movable therewith longitudinally of said lead screw in response to longitudinal motion of said nut along said lead screw resulting from its rotation on said lead screw or from rotation of said lead screw, a bed, a pivoted movable part on said bed, and means coupling said movable part to said movable means.

2,481,478
CARBON DIOXIDE VAPORIZER
Gregory A. Petroe, Kenmore, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
Application November 19, 1945, Serial No. 629,634
5 Claims. (Cl. 62—91.5)

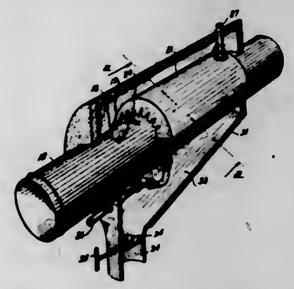


3. A vaporizer for solid carbon dioxide comprising an upright pressure cylinder adapted to accommodate a considerable charge of solid carbon dioxide cubes, said cylinder having a top opening for charging the cylinder with cubes, a baffle in the cylinder substantially below the opening having a plurality of dividing walls arranged to divide the cylinder into vertical compartments extending from the cylinder axis, a plate at the bottom of the baffle and attached to said walls for engaging the inner corner of the lowermost cube of carbon dioxide in each compartment, a closure for said opening, and means for distributing a heating medium onto the external surface of the cylinder.

2,481,479
PROCESS OF PREPARING A PLASTICIZED GRANULAR SLAG-FORMING MASS FOR ELECTRIC WELDING
Josef ter Berg and Gijsbert Jacob van Wijnen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
No Drawing. Application September 5, 1945, Serial No. 614,594. In the Netherlands May 29, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 29, 1962
8 Claims. (Cl. 148—23)

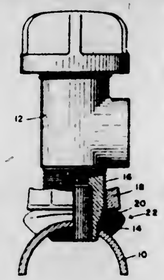
1. A process of preparing a slag-forming mass in the granular state in final usable form for electric welding, which comprises the steps of mixing powdery slag-forming material with a plasticizing binder, extruding the plasticized material, drying the extruded material, and subdividing the said dried pieces into granular shape suitable for direct use in a welding operation.

2,481,480
AUXILIARY HOT WATER HEATER
David W. Main, Denver, Colo.
Application May 11, 1946, Serial No. 669,199
6 Claims. (Cl. 257—235)



1. In combination with a pipe having a section for the escape of hot gases of combustion, means for abstracting heat from the gases, comprising, a housing enclosing a portion of the section of the pipe, the latter having an opening in the top, communicating the interior thereof with the interior of the housing at the gas inlet end, and an opening in the bottom near the other end of the housing, whereby hot gases may enter the housing through the first mentioned opening and leave through the other opening, an elongated substantially semi-cylindrical hollow heat absorbing body resting on the upper surface of the pipe in the housing, and means for circulating water through said body.

2,481,481
SEALING RING FOR PIPE COUPLINGS
John J. Smith, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application June 27, 1947, Serial No. 757,398
1 Claim. (Cl. 285—55)

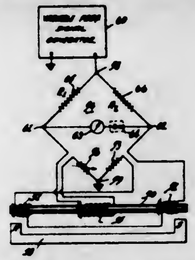


A sealing member for application to the union of a fitting and a conduit and adapted to be compressed and distorted against the outer wall of the conduit by a follower threaded on the fitting, comprising a hollow ring-shaped carrier of thin deformable metal, and a ring of compressible packing material mounted in and filling the interior of said carrier, said packing ring having an exposed inner wall to surround the fitting and an exposed bottom wall formed to the curvature of the conduit, said carrier having a flat top wall and an outside wall confining the outer wall of said packing ring, the outside wall of said carrier being arched in form and having a circular bend therein located between the top and bottom walls of said packing ring, said carrier having a lower edge which is cut away at diametrically opposite sides of said member before application of said member to the union to form said edge to the cylindrical curvature of the conduit on which said member is used, said packing ring having a relatively narrow continuous lip which carries the curved bottom wall of said packing ring and which protrudes beyond said edge before said member is deformed, said lip being arranged to be pressed to a position within said edge when said member is compressed by the follower.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and making copies. The applications are not printed.

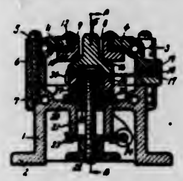
29,630. **FREQUENCY SELECTIVE COUPLING SYSTEMS.** Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed May 27, 1948. Published Sept. 6, 1949. Class 175—183.



A bridge to determine the resonance frequency of a core of magnetostrictive material 50. The bridge is balanced at frequencies other than the frequency of resonance of the magnetostrictive core when it is unbalanced. The bridge has two adjacent resistive arms 65, 66 and two adjacent inductive arms. One of the inductive arms consists substantially of a single coil 55 and the adjacent inductive arm consists substantially of two series connected coils 51, 52 wound in an opposite sense to eliminate any inductive pickup from the single coil 55. The two series connected coils 51, 52 are disposed axially and on either side of the single coil 55. The magnetostrictive material is inserted through all three coils.

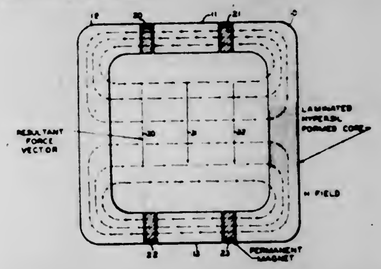
560,068. **ACCELEROMETER.** John W. Fraser and Ludwig C. Loschky, Detroit, Mich., assignors to the United States of America as represented by the Secretary of War. Filed Oct. 23, 1944. Published Sept. 6, 1949. Class 200—52.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



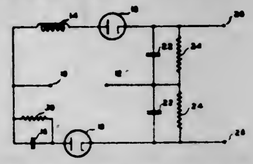
The device disclosed is a vibration responsive switch which constitutes a member in a force measuring system. The device comprises a two part housing 1 and 4, the upper housing portion 4 having an annular stationary contact 10 insulated from the housing, cooperating with the fixed contact is a movable contact member 16 on the counterweight 14—15 mounted in guide plate 17, one end of the guide plate is anchored in the side wall 4 by a small removable block 18 held in place by a tapered key 19. Base section 1 has a lateral wall portion 20 with a depending cylindrical guide flange 21 for a cupped nut 26 which is threadedly mounted on screw 22. A compression spring 27 is positioned between the cupped nut and the counterweight 14—15 and the force of the spring acting on the counterweight is varied by movement of the screw through worm gear 23, worm 24 and a pulley 25 for driving the worm. The cupped nut which is moved in accordance with the screw 22 has an indicating extension 35 cooperating with a scale 28. In operation the device is rigidly secured to the vibrating machine in which accelerating force is to be measured, with the centerline A—B parallel with the direction in which it is desired to measure the acceleration of vibration of the machine, the cupped nut 26 is screwed to the lower extremity of its travel, that is the lowest reading on the scale and as the machine is vibrated the screw 22 is rotated by pulley 25 until the force transmitted by spring 27 to counterweight 14—15 is such that the contacts are just kept at the point of breaking and such condition may be determined by an indicating circuit in series with the contacts.

588,991. **MAGNETIC DEVICES.** Clayton A. Washburn, Westwood, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Apr. 18, 1945. Published Sept. 6, 1949. Class 250—157.



A beam centering magnetic yoke for use with the electromagnetic beam deflecting apparatus of a cathode ray tube, comprising a plurality of individual sections for forming a closed yoke, said sections being placed together to form a closed yoke having a plurality of arms with a plurality of gaps in two of the arms, and permanent magnet means positioned in said gaps.

611,655. **ELECTRICAL APPARATUS.** Karle S. Packard, Jr., Winston-Salem, N. C., assignor to the United States of America as represented by the Secretary of War. Filed Aug. 20, 1945. Published Sept. 6, 1949. Class 250—27.1.



The disclosure relates to a broad band discriminator. Accordingly, either an inductor or a

capacitor is connected between one input terminal and an output terminal in series with one of the usual rectifiers; or an inductor and capacitor may be used together, one in series with each rectifier.

A resistor is provided to discharge the capacitor between conductive half-cycles of the rectifier.

684,065. INSPECTION APPARATUS. Ben R. Gossick, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 16, 1946. Published Sept. 6, 1949. Class 175—183.



A metal detector head is shown wherein a secondary coil 33 is mounted in an insulating form 47 within a shield container 49 which is constructed from a plastic material thoroughly impregnated with powdered iron. The primary coils 37 and 39 are similarly mounted in the lower shield container 51 which is likewise constructed of a plastic impregnated with iron powder. The coils are mounted adjacent suitable openings in the opposed faces of the containers so that the magnetic field which is produced is substantially limited to the area immediately between the two coils. A conveyor belt 53 passes between the primary and secondary coils and carries with it the articles which are to be tested. In the embodiment described the shield containers are made from a material having the properties of high permeability and low conductivity. Another embodiment of the invention is to use shield containers made from a material having the properties of low permeability and high conductivity such as aluminum.

708,370. COUNTER RECOIL GUN MECHANISM. Victor F. Lucht, Washington, D. C. Filed Nov. 7, 1946. Published Sept. 6, 1949. Class 89—44.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a gun having recoil means, a counter-recoil means comprising a spring of hollow section.

752,009. HIGH-VOLTAGE DIRECT-CURRENT POWER SUPPLY SYSTEMS AND TUBES THEREFOR. Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed June 3, 1947. Published Sept. 6, 1949. Class 250—27.5.

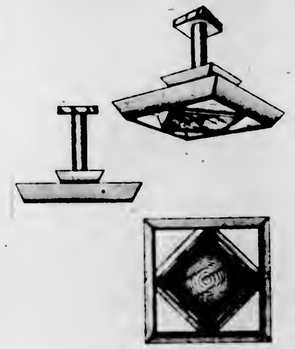


A combined radio frequency oscillator and rectifier tube having a cathode, an anode and at least one grid between the cathode and anode to provide an oscillator unit, and a second anode farther spaced from the cathode and the first anode, the first anode having a slot to permit passage of electrons to the second anode, the second anode being used as the output electrode of the rectifier portion of the tube.

DESIGNS

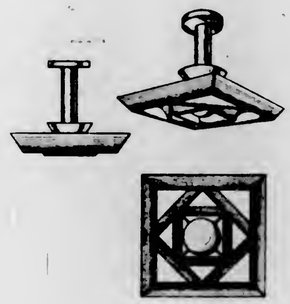
SEPTEMBER 6, 1949

155,063
DESIGN FOR A LIGHTING FIXTURE
Frederick C. Baker, Portland, Oreg.
Application May 28, 1949, Serial No. 2,933
Term of patent 7 years
(Cl. D48—23)



The ornamental design for a lighting fixture, substantially as shown and described.

155,064
DESIGN FOR A LIGHTING FIXTURE
Frederick C. Baker, Portland, Oreg.
Application May 28, 1949, Serial No. 2,934
Term of patent 7 years
(Cl. D48—23)



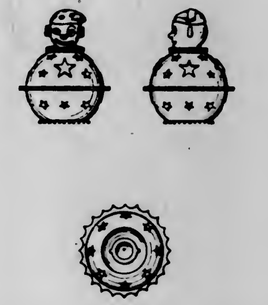
The ornamental design for a lighting fixture, substantially as shown and described.

155,065
DESIGN FOR A TIRE
Ray T. Bete, Cumberland, Md., assignor to The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland
Application August 20, 1948, Serial No. 148,226
Term of patent 14 years
(Cl. D90—20)



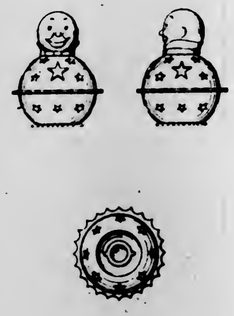
The ornamental design for a tire, as shown.

155,066
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,761
Term of patent 7 years
(Cl. D48—15)



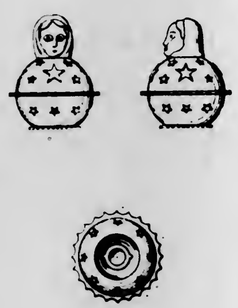
The ornamental design for an illuminable decorative device, substantially as shown and described.

155,067
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,762
Term of patent 7 years
(Cl. D48—15)



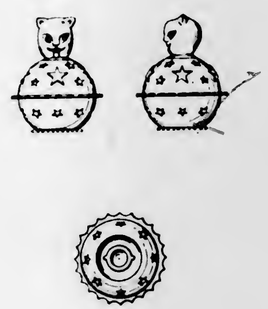
The ornamental design for an illuminable decorative device, substantially as shown and described.

155,068
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,763
Term of patent 7 years
(Cl. D48—15)



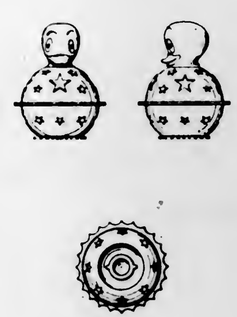
The ornamental design for an illuminable decorative device, substantially as shown and described.

155,069
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,764
Term of patent 7 years
(Cl. D48—15)



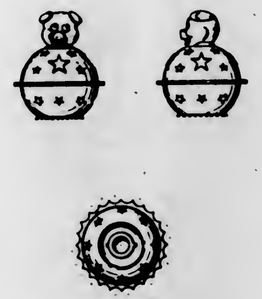
The ornamental design for an illuminable decorative device, substantially as shown and described.

155,070
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,765
Term of patent 7 years
(Cl. D48—15)



The ornamental design for an illuminable decorative device, substantially as shown and described.

155,071
DESIGN FOR AN ILLUMINABLE DECORATIVE DEVICE
Nathan T. Borrok, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 22, 1948, Serial No. 149,766
Term of patent 7 years
(Cl. D48—15)



The ornamental design for an illuminable decorative device, substantially as shown and described.

155,072
DESIGN FOR A CHIME
Gisbert L. Besnard, Cleveland, Ohio
Application July 26, 1946, Serial No. 131,963
Term of patent 3½ years
(Cl. D72—1)



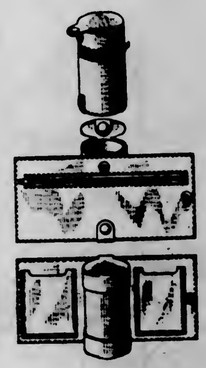
The ornamental design for a chime, as shown.

155,073
DESIGN FOR A GLASS BOTTLE
Reginald Malcolm Broadhead, London, England, assignor to Lifeguard Products Limited, London, England, a company of Great Britain
Application May 2, 1948, Serial No. 146,147
Term of patent 14 years
(Cl. D58—3)



The ornamental design for a glass bottle, as shown.

155,074
DESIGN FOR A COMBINATION WALLET AND CIGARETTE CASE
Herbert Chase, New York, N. Y., assignor to Bernard Cahn Co. Inc., New York, N. Y., a corporation of New York
Application January 26, 1949, Serial No. 499
Term of patent 7 years
(Cl. D67—3)



The ornamental design for a combination wallet and cigarette case, substantially as shown and described.

155,075
DESIGN FOR A BROOCH OR THE LIKE
Maurice Daudier, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application March 25, 1949, Serial No. 1,617
Term of patent 14 years
(Cl. D45—19)



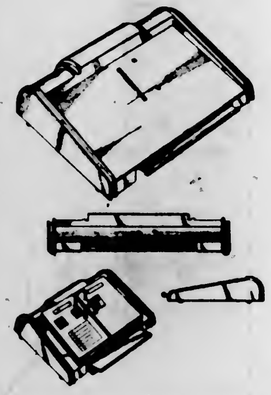
The ornamental design for a brooch or the like, as shown.

155,076
DESIGN FOR A BROOCH OR THE LIKE
Maurice Daudier, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application March 25, 1949, Serial No. 1,618
Term of patent 14 years
(Cl. D45—19)



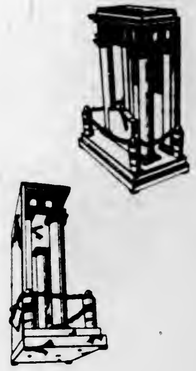
The ornamental design for a brooch or the like, as shown.

155,077
DESIGN FOR A COMBINATION DESK CALENDAR AND MEMORANDUM PAD UNIT
Harold G. Davis, Brooklyn, N. Y.
Application April 7, 1948, Serial No. 145,576
Term of patent 14 years
(Cl. D74—5)



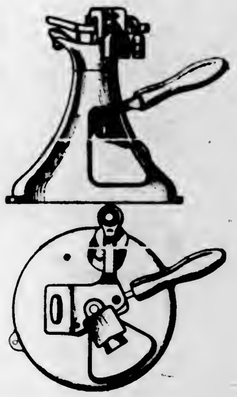
The ornamental design for a combination desk calendar and memorandum pad unit, as shown and described.

155,078
DESIGN FOR A FRAME FOR CLOCKS OR SIMILAR ARTICLES
William Frank Day, Albaston, Gunnislake, England
Application May 17, 1948, Serial No. 146,413
In Great Britain March 6, 1948
Term of patent 14 years
(Cl. D42—7)

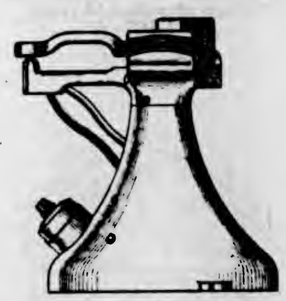


The ornamental design for a frame for clocks or similar articles, substantially as shown.

155,079
DESIGN FOR A SHOE SHAPING DEVICE
Felix De Vito, Brooklyn, N. Y.
Application November 5, 1947, Serial No. 142,318
Term of patent 14 years
(Cl. D7—2)



155,079—Continued



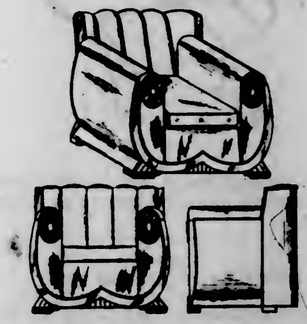
The ornamental design for a shoe shaping device, as shown.

155,080
DESIGN FOR A CONTROL DIAL FOR A SADIRON OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 20, 1948, Serial No. 145,857
Term of patent 14 years
(Cl. D49—6)



The ornamental design for a control dial for a sadiron or similar article, as shown.

155,081
DESIGN FOR AN UPHOLSTERED CHAIR
Elmer Eek, Peru, Ind.
Application October 23, 1947, Serial No. 142,097
Term of patent 3½ years
(Cl. D15—1)

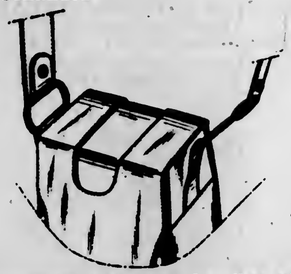


The ornamental design for an upholstered chair, as shown.

155,082
DESIGN FOR A HANDBAG WITH UMBRELLA COMPARTMENT
Charles Feigi, New York, N. Y.
Application October 15, 1948, Serial No. 149,135
Term of patent 14 years
(Cl. D87—3)

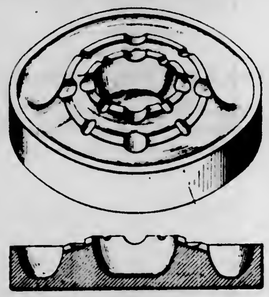


155,082—Continued



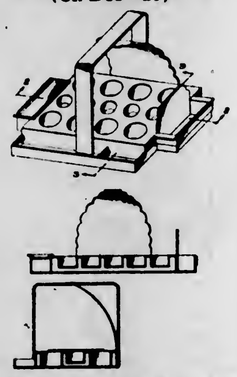
The ornamental design for a handbag with umbrella compartment, substantially as shown and described.

155,083
DESIGN FOR AN ASH TRAY
Samuel K. Frank, Wheeling, W. Va.
Application October 18, 1948, Serial No. 149,149
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

155,084
DESIGN FOR A HOSTESS TRAY
Margaret Lister Gay and Asa Merton Russell, Los Angeles, Calif.
Application October 18, 1947, Serial No. 141,996
Term of patent 14 years
(Cl. D44—10)



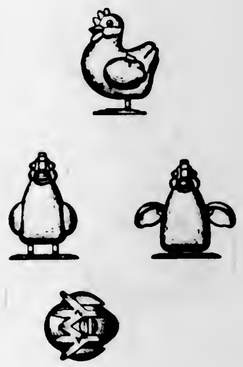
The ornamental design for a hostess tray, substantially as shown.

155,085
DESIGN FOR A BUFFING WHEEL PLATE OR SIMILAR ARTICLE
Samuel Goldberg, Detroit, Mich.
Application October 20, 1948, Serial No. 149,197
Term of patent 14 years
(Cl. D37—1)



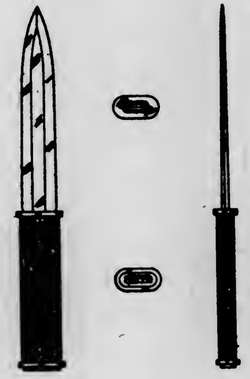
The ornamental design for a buffing wheel plate or similar article, substantially as shown.

155,086
DESIGN FOR A TOY FOWL
Adolph Goldfarb, Chicago, Ill.
Application July 7, 1949, Serial No. 3,764
Term of patent 14 years
(Cl. D34—15)



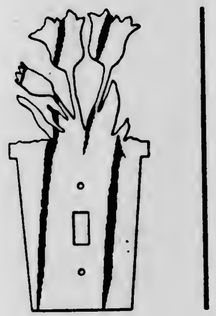
The ornamental design for a toy fowl, as shown.

155,087
DESIGN FOR A TRANSPARENT DISPLAY LETTER OPENER
Robert E. Gerdemier, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application November 14, 1947, Serial No. 142,537
Term of patent 14 years
(Cl. D74—1)



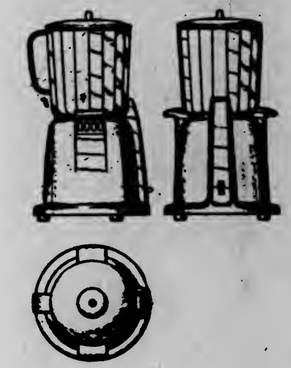
The ornamental design for a transparent display letter opener, as shown.

155,088
DESIGN FOR A SWITCH PLATE
Julius S. Johnson, Richland, Wash.
Application June 16, 1947, Serial No. 139,707
Term of patent 3½ years
(Cl. D26—13)



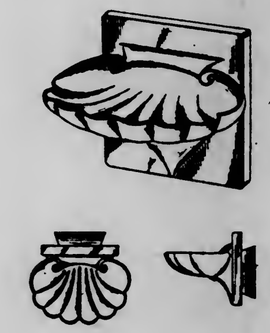
The ornamental design for a switch plate, substantially as shown.

155,089
DESIGN FOR A MIXER
Clarence Kartadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application February 26, 1948, Serial No. 144,769
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a mixer, as shown.

155,090
DESIGN FOR A SOAP DISH
Mildred P. Kiehl, Trenton, N. J.
Application October 29, 1947, Serial No. 142,188
Term of patent 14 years
(Cl. D4—3.1)



The ornamental design for a soap dish, substantially as shown.

155,091
DESIGN FOR A SOAP DISH
Mildred P. Kiehl, Trenton, N. J.
Application October 29, 1947, Serial No. 142,189
Term of patent 14 years
(Cl. D4—3.1)



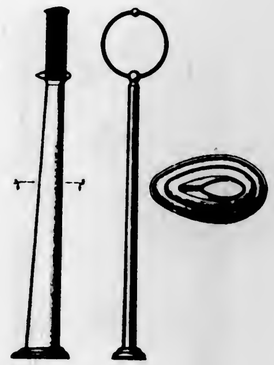
The ornamental design for a soap dish, substantially as shown.

155,092
DESIGN FOR AN EGG CARTON
James Warren Lennon, St. Paul, Minn., assignor to Fibre-Plastics Corporation, Minneapolis, Minn., a corporation of Minnesota
Application May 3, 1947, Serial No. 138,789
Term of patent 14 years
(Cl. D58—13)



The ornamental design for an egg carton, as shown.

155,093
DESIGN FOR A RADIO ANTENNA
Wayne L. Leonard, Burbank, Calif.
Application May 25, 1948, Serial No. 146,580
Term of patent 3½ years
(Cl. D26—14)



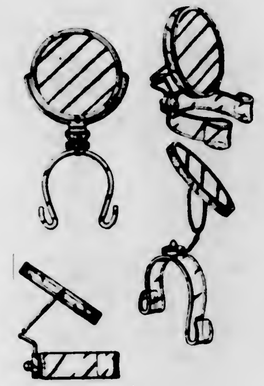
The ornamental design for a radio antenna, substantially as shown.

155,094
DESIGN FOR A FLASHLIGHT
George P. Lewis, East Williston, N. Y.
Application April 21, 1949, Serial No. 2,184
Term of patent 14 years
(Cl. D48—24)



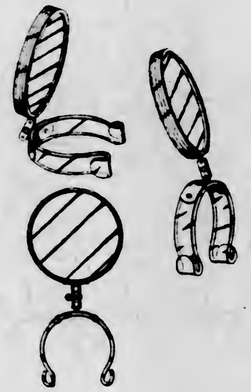
The ornamental design for a flashlight, as shown.

155,095
DESIGN FOR A FOLDING KNEE MIRROR
Paul D. MacWilliams, Los Angeles, Calif., assignor, by mesne assignments, to Louis M. Neubeiser and Wanda E. Neubeiser, both of Glendale, Calif.
Application February 21, 1948, Serial No. 144,663
Term of patent 14 years
(Cl. D56—2)



The ornamental design for a folding knee mirror, substantially as shown and described.

155,096
DESIGN FOR A FOLDING KNEE MIRROR
Paul M. MacWilliams, Burbank, Calif., assignor to Louis M. Neubeiser and Wanda E. Neubeiser, both of Glendale, Calif.
Application February 21, 1948, Serial No. 144,664
Term of patent 14 years
(Cl. D56—2)



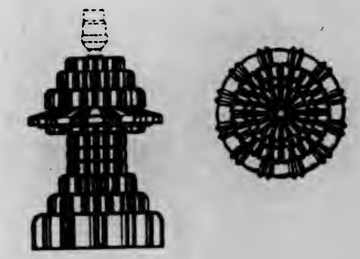
The ornamental design for a folding knee mirror, substantially as shown and described.

155,097
DESIGN FOR A SHOWER HEAD
John P. Magee, Wilmette, and Carl Rolling, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 14, 1948, Serial No. 142,738
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a shower head, substantially as shown.

155,098
DESIGN FOR A TABLE LAMP
Carl McClellan, Detroit, Mich.
Application December 13, 1948, Serial No. 150,120
Term of patent 7 years
(Cl. D48—20)



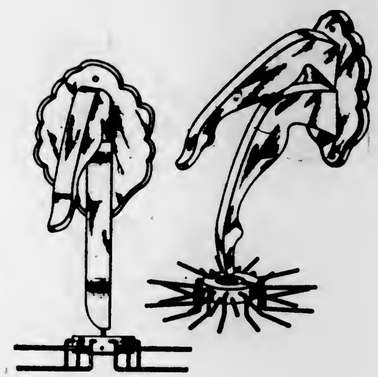
The ornamental design for a table lamp, as shown and described.

155,099
DESIGN FOR A MACHINE FOR SHAPING SHOULDER PADS OR THE LIKE
Bert Mechur and Walter Riedler, New York, N. Y.
Application July 26, 1947, Serial No. 140,551
Term of patent 14 years
(Cl. D49—6)



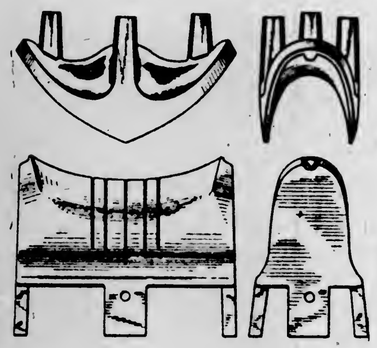
The ornamental design for a machine for shaping shoulder pads or the like, as shown.

155,100
DESIGN FOR A TIE RACK
Harry L. Millward, Sr., Stockton, Pa.
Application March 8, 1948, Serial No. 144,969
Term of patent 7 years
(Cl. D32—8)



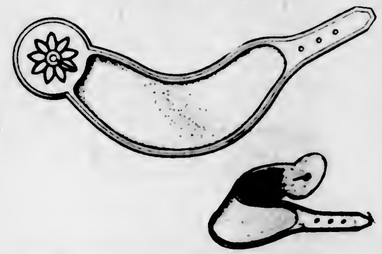
The ornamental design for a tie rack, as shown.

155,101
DESIGN FOR A CHILD'S TOILET SEAT
Gertrude A. Muller, Fort Wayne, Ind.
Application July 31, 1947, Serial No. 140,640
Term of patent 3½ years
(Cl. D4—5)



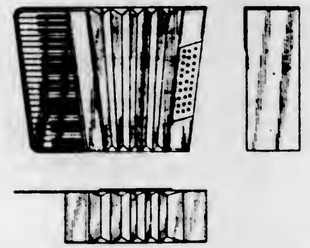
The ornamental design for a child's toilet seat, as shown.

155,102
DESIGN FOR A STRAP FOR HOLDING RIDING SPURS TO A BOOT
Roy W. Nelson, Cupertino, Calif.
Application February 14, 1949, Serial No. 848
Term of patent 14 years
(Cl. D38—16)



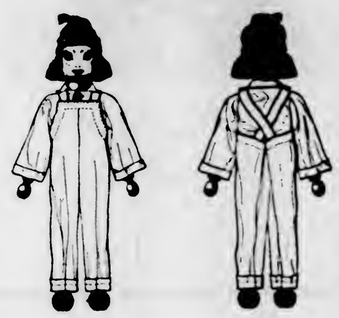
The ornamental design for a strap for holding riding spurs to a boot, substantially as shown.

155,103
DESIGN FOR A CONTAINER FOR ICE CREAM OR CANDY
Otto Peist, Brooklyn, N. Y.
Application May 14, 1947, Serial No. 139,026
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a container for ice cream or candy, as shown.

155,104
DESIGN FOR A DOLL
Jane Prendiville, New York, N. Y.
Application October 9, 1947, Serial No. 141,821
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a doll, substantially as shown.

155,104—Continued



The ornamental design for a doll, substantially as shown.

155,105
DESIGN FOR A DOLL
Jane Prendiville, New York, N. Y.
Application October 9, 1947, Serial No. 141,822
Term of patent 7 years
(Cl. D34—4)



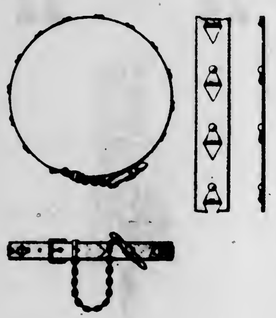
The ornamental design for a doll, substantially as shown.

155,106
DESIGN FOR A TOY BABY-WEIGHING SCALE
Adele E. Rogovin, New York, N. Y.
Application October 31, 1947, Serial No. 142,241
Term of patent 3½ years
(Cl. D36—15)



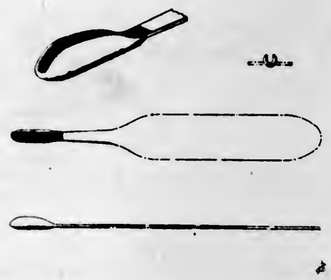
The ornamental design for a toy baby-weighing scale, substantially as shown.

155,107
DESIGN FOR A COMBINED APPAREL BELT AND WRITING IMPLEMENT
Aaron Rothchild, Flushing, N. Y.
Application April 11, 1949, Serial No. 1,912
Term of patent 7 years
(Cl. D3—10)



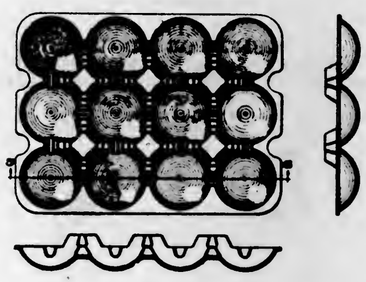
The ornamental design for a combined apparel belt and writing implement, substantially as shown.

155,108
DESIGN FOR A PEDICURE INSTRUMENT
Leslie C. Rucker, Arlington, Va.
Application October 22, 1947, Serial No. 142,085
Term of patent 14 years
(Cl. D66—10)



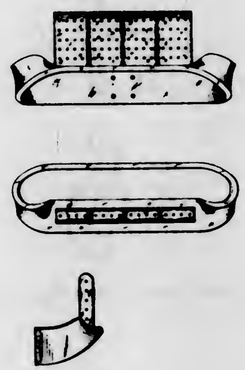
The ornamental design for a pedicure instrument, as shown and described.

155,109
DESIGN FOR A FRUIT PACK
Ernest L. Shepard, Fairfield, Maine
Application June 26, 1947, Serial No. 139,930
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a fruit pack, as shown.

155,110
DESIGN FOR A HOLDER FOR TOOTHBRUSHES
Paul A. Sedini, Sacramento, Calif.
Application January 10, 1948, Serial No. 143,641
Term of patent 3½ years
(Cl. D4—3.3)



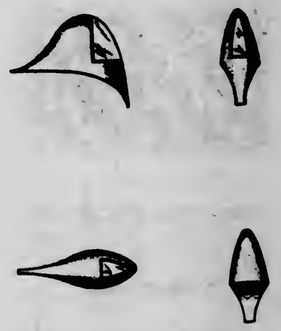
The ornamental design for a holder for toothbrushes, as shown.

155,111
DESIGN FOR A TOOTHBRUSH HOLDER
Paul A. Sedini, Sacramento, Calif.
Application January 10, 1948, Serial No. 143,642
Term of patent 3½ years
(Cl. D4—3.2)



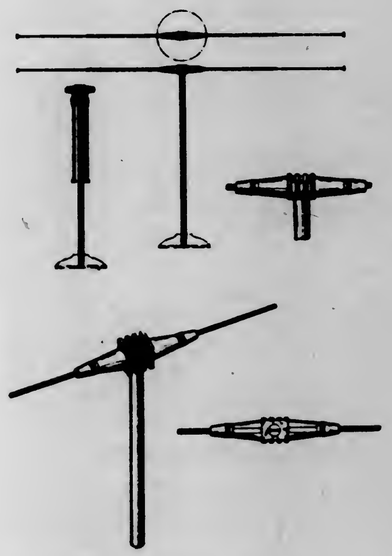
The ornamental design for a toothbrush holder, as shown.

155,112
DESIGN FOR A REAR LIGHT FOR AUTOMOBILES
Joseph A. Stark, Union Lake, Mich.
Application March 10, 1949, Serial No. 1,320
Term of patent 7 years
(Cl. D48—32)



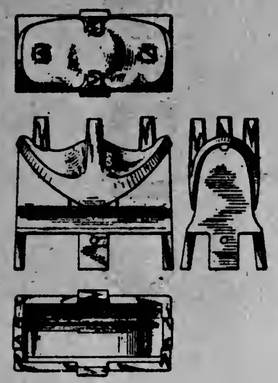
The ornamental design for a rear light for automobiles, substantially as shown.

155,113
DESIGN FOR A TELEVISION ANTENNA
Victor Trebules, Cleveland, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application September 3, 1948, Serial No. 148,465
Term of patent 14 years
(Cl. D26—14)



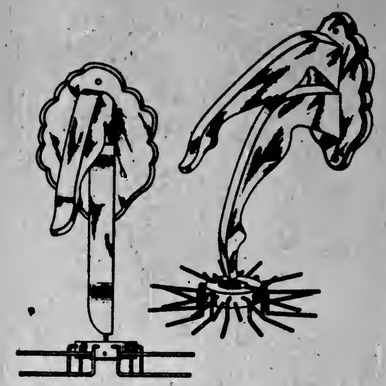
The ornamental design for a television antenna, as shown and described.

155,099
DESIGN FOR A MACHINE FOR SHAPING SHOULDER PADS OR THE LIKE
Bert Mosher and Walter Riedler, New York, N. Y.
Application July 26, 1947, Serial No. 140,551
Term of patent 14 years
(Cl. D69—6)



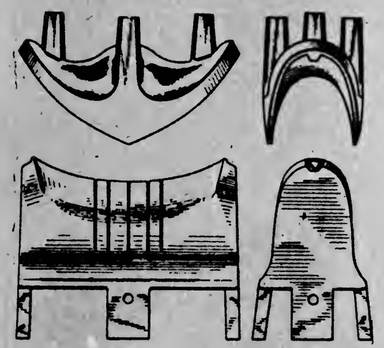
The ornamental design for a machine for shaping shoulder pads or the like, as shown.

155,100
DESIGN FOR A TIE RACK
Harry L. Millward, Sr., Stockton, Pa.
Application March 8, 1948, Serial No. 144,969
Term of patent 7 years
(Cl. D32—8)



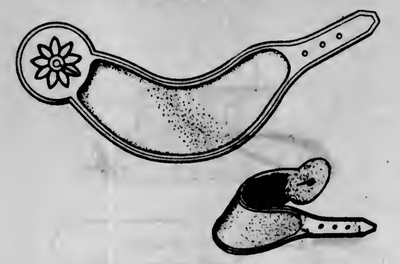
The ornamental design for a tie rack, as shown.

155,101
DESIGN FOR A CHILD'S TOILET SEAT
Gertrude A. Muller, Fort Wayne, Ind.
Application July 31, 1947, Serial No. 140,640
Term of patent 3½ years
(Cl. D4—5)



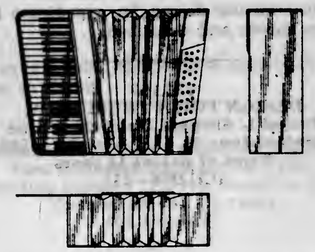
The ornamental design for a child's toilet seat, as shown.

155,102
DESIGN FOR A STRAP FOR HOLDING RIDING SPURS TO A BOOT
Roy W. Nelson, Cupertino, Calif.
Application February 14, 1949, Serial No. 848
Term of patent 14 years
(Cl. D32—16)



The ornamental design for a strap for holding riding spurs to a boot, substantially as shown.

155,103
DESIGN FOR A CONTAINER FOR ICE CREAM OR CANDY
Otto Peist, Brooklyn, N. Y.
Application May 14, 1947, Serial No. 139,026
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a container for ice cream or candy, as shown.

155,104
DESIGN FOR A DOLL
Jane Prendiville, New York, N. Y.
Application October 9, 1947, Serial No. 141,821
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a doll, substantially as shown.

155,104—Continued



The ornamental design for a doll, substantially as shown.

155,105
DESIGN FOR A DOLL
Jane Prendiville, New York, N. Y.
Application October 9, 1947, Serial No. 141,822
Term of patent 7 years
(Cl. D34—4)





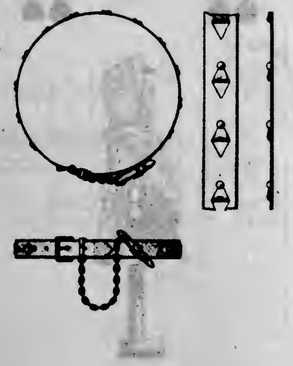
The ornamental design for a doll, substantially as shown.

155,106
DESIGN FOR A TOY BABY-WEIGHING SCALE
Adele E. Rogovin, New York, N. Y.
Application October 31, 1947, Serial No. 142,241
Term of patent 3½ years
(Cl. D26—15)



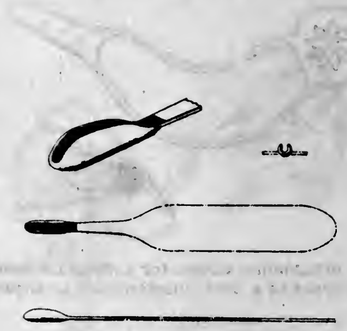
The ornamental design for a toy baby-weighing scale, substantially as shown.

155,107
DESIGN FOR A COMBINED APPAREL BELT AND WRITING IMPLEMENT
Aaron Rothchild, Flushing, N. Y.
Application April 11, 1949, Serial No. 1,912
Term of patent 7 years
(Cl. D3—10)



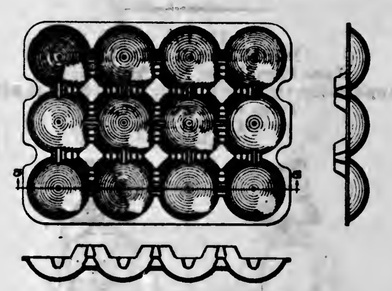
The ornamental design for a combined apparel belt and writing implement, substantially as shown.

155,108
DESIGN FOR A PEDICURE INSTRUMENT
Leslie C. Rucker, Arlington, Va.
Application October 22, 1947, Serial No. 142,685
Term of patent 14 years
(Cl. D66—10)



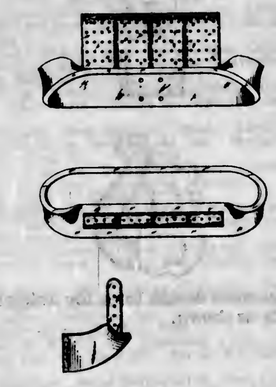
The ornamental design for a pedicure instrument, as shown and described.

155,109
DESIGN FOR A FRUIT PACK
Ernest L. Shepard, Fairfield, Maine
Application June 26, 1947, Serial No. 139,930
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a fruit pack, as shown.

155,110
DESIGN FOR A HOLDER FOR TOOTHBRUSHES
Paul A. Sodini, Sacramento, Calif.
Application January 10, 1948, Serial No. 143,641
Term of patent 3½ years
(Cl. D4—3.2)



The ornamental design for a holder for toothbrushes, as shown.

155,111
DESIGN FOR A TOOTHBRUSH HOLDER
Paul A. Sodini, Sacramento, Calif.
Application January 10, 1948, Serial No. 143,642
Term of patent 3½ years
(Cl. D4—3.2)



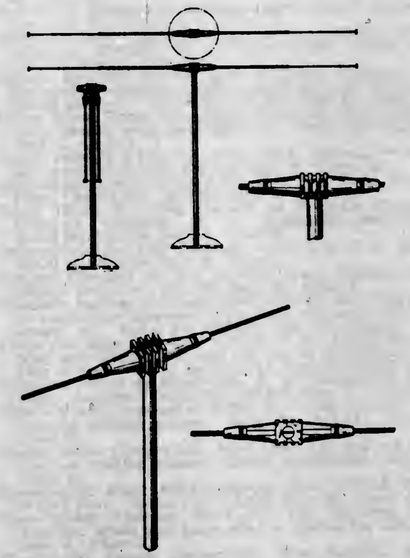
The ornamental design for a toothbrush holder, as shown.

155,112
DESIGN FOR A REAR LIGHT FOR AUTOMOBILES
Joseph A. Stark, Union Lake, Mich.
Application March 10, 1948, Serial No. 1,320
Term of patent 7 years
(Cl. D48—32)



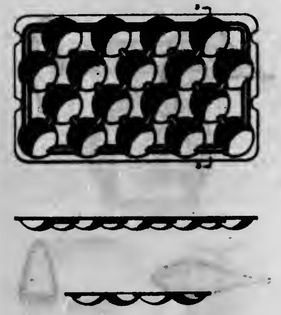
The ornamental design for a rear light for automobiles, substantially as shown.

155,113
DESIGN FOR A TELEVISION ANTENNA
Victor Trebules, Cleveland, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application September 3, 1948, Serial No. 148,465
Term of patent 14 years
(Cl. D26—14)



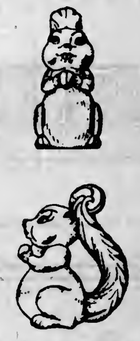
The ornamental design for a television antenna, as shown and described.

155,114
DESIGN FOR A FRUIT PACK
Phillip M. Williams, Oakland, Maine
Application November 3, 1947, Serial No. 142,279
Term of patent 14 years
(Cl. D68—18)



The ornamental design for a fruit pack, as shown.

155,115
DESIGN FOR A TOY ANIMAL FIGURE
Constance Woods, Mercer, Pa., assignor to Baby-Safe Toys, Inc., Mercer, Pa., a corporation of Pennsylvania
Application January 10, 1948, Serial No. 143,660
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy animal figure, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Actus Corporation, The, Mount Vernon, N. Y. Hose clamps. Serial No. 561,220, Sept. 6. Class 13.

Actus Corporation, The, Mount Vernon, N. Y. Hose clamps. Serial No. 561,282, Sept. 6. Class 13.

Agicide Laboratories, Inc., Los Angeles, Calif. Nut shell and fruit pit shell aggregates. Serial No. 558,981, Sept. 6. Class 1.

Agicide Laboratories, Inc., Los Angeles, Calif. Nut shell and fruit pit flour as a filler for synthetic resins. Serial No. 558,983, Sept. 6. Class 1.

Allcock, S., & Company Limited, Redditch, Worcester, England. Fish hooks. Serial No. 550,203, Sept. 6. Class 22.

Allen Company, New Bedford, Mass. Section-beams, section-beam heads, loom-beams, etc. Serial No. 540,135, Sept. 6. Class 23.

American Fastener Company, The, Waterbury, Conn. Slider controlled separable fasteners. Serial No. 550,887, Sept. 6. Class 13.

American Photographic Appliance Corporation, Greenfield, Mass. Photographic enlarging apparatus. Serial No. 497,520, Sept. 6. Class 26.

American Reenforced Paper Company, Attleboro, Mass. Reenforced paper. Serial No. 553,067, Sept. 6. Class 12.

Amerital Import and Packing Company, Inc., New York, N. Y. Olive oil. Serial No. 510,929, Sept. 6. Class 46.

Amston Silver Company, Inc.: *See*—
Ellmore Silver Co., Inc., The.

Anderson, F. E., Oil Co., Portland, Conn. Water soluble cutting and cooling fluid. Serial No. 552,829, Sept. 6. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfume and toilet water. Serial No. 568,421, Sept. 6. Class 6.

Arizona Barite Company, Mesa, Ariz. Pulverulent barite for use in drilling fluid for oil wells. Serial No. 557,101, Sept. 6. Class 1.

Armstrong Cork Company, Lancaster, Pa. Gaskets, nonmetallic washers, rings, and packings, etc. Serial No. 524,936, Sept. 6. Class 35.

Asselin Creamery Company, Norway, Mich. Ice cream. Serial Nos. 517,104–5, Sept. 6. Class 46.

Associated Merchandising Corporation, The, New York, N. Y. Gas ranges. Serial No. 547,506, Sept. 6. Class 34.

Associated Merchandising Corporation, The, New York, N. Y. Silver-plated hollow ware. Serial No. 566,913, Sept. 6. Class 28.

Associated Spring Corporation, doing business as Barnes-Gibson Raymond, Bristol, Conn., Detroit, Mich., and elsewhere. Extension, compression and torsion springs and springs of general use. Serial No. 551,430, Sept. 6. Class 13.

Astra Laboratory, Scotia, N. Y. Skin cream. Serial No. 565,606, Sept. 6. Class 6.

Atlas Heating and Ventilating Co., Ltd., San Francisco, Calif. Gas furnaces. Serial No. 564,753, Sept. 6. Class 34.

Atlas Heating and Ventilating Co., Ltd., San Francisco, Calif. Wood, coal, oil and gas furnaces apd blowers, etc. Serial No. 564,754, Sept. 6. Class 34.

Auburn Rubber Corporation, Auburn, Ind. Shoe soles and heels or parts thereof. Serial No. 544,422, Sept. 6. Class 39.

B-B Pen Company, Inc., Los Angeles, Calif. Ball point pens. Serial No. 562,176, Sept. 6. Class 37.

Barnes-Gibson Raymond: *See*—
Associated Spring Corporation.

Barron's Publishing Company, Inc., New York, N. Y. Section of a weekly publication. Serial No. 555,360, Sept. 6. Class 38.

Baskin Brothers, Inc., New York, N. Y. Diamond finger rings. Serial No. 534,920, Sept. 6, Class 28.

Beacon Sales Company, Charlestown, Mass. Waterproof compound in plastic and liquid form, sheathing paper, saturated felt, etc. Serial No. 532,109, Sept. 6. Class 12.

Beebe, Leslie W., Oak Park, Ill. Foot operated water valves. Serial No. 537,655, Sept. 6. Class 13.

Bell & Howell Company, Chicago, Ill. Motion picture projectors, motion picture film cleaners, etc. Serial No. 529,581, Sept. 6. Class 26.

Best, M. O., doing business as M. O. Best Company and M. O. Best Fruit Company, Phoenix, Ariz. Fresh vegetables and cantaloupes. Serial No. 557,658, Sept. 6. Class 46.

Best, M. O., Company: *See*—
Best, M. O.

Best, M. O., Fruit Company: *See*—
Best, M. O.

Betmur Steel Corporation, Detroit, Mich. Sheet steel. Serial No. 566,271, Sept. 6. Class 14.

Blaw-Knox Company, Pittsburgh, Pa. Industrial heating kettles. Serial No. 519,051, Sept. 6. Class 34.

Blosser Company, The, Atlanta, Ga. Cigarettes for the relief of the paroxysms of bronchial asthma, etc. Serial No. 566,118, Sept. 6. Class 6.

Botany Worsted Mills, Passaic, N. J. Lipsticks. Serial No. 509,331, Sept. 6. Class 6.

Brentwood Distributors: *See*—
Smith, Howard.

Brown, Burt C., doing business as O-K Scale Company, Buffalo, assignor to S. Howes Co., Inc., Silver Creek, N. Y. Bagging scales. Serial No. 544,150, Sept. 6. Class 26.

Bucher, Simon, doing business as Master Ladder Bracket Co., Milwaukee, Wis. Ladder brackets. Serial No. 553,670, Sept. 6. Class 50.

Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets and chains, clasps and fastenings, etc. Serial No. 534,087, Sept. 6. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watch straps, and wrist bands. Serial No. 543,882, Sept. 6. Class 28.

Burroughs Adding Machine Company, Detroit, Mich. Business machines. Serial No. 527,410, Sept. 6. Class 26.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Dietary material. Serial No. 562,120, Sept. 6. Class 6.

Burrus Mill and Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.

Cal Management Company, Inc., Pasadena, Calif. Garden tools. Serial No. 506,005, Sept. 6. Class 23.

California Marine Curing & Packing Co., Terminal Island, Calif. Canned tuna. Serial No. 560,316, Sept. 6. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 550,385, Sept. 6. Class 6.

Camel Manufacturing Company, Knoxville, Tenn. Canvas tents and tarpaulins. Serial No. 553,573, Sept. 6. Class 50.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial No. 561,652, Sept. 6. Class 14.

Cartan Travel Bureau, Inc., Chicago, Ill. Arranging and conducting domestic and foreign travel tours and cruises. Serial No. 559,981, Sept. 6. Class 56.

Century Engineering Corporation, Cedar Rapids, Iowa. Oil burners and parts thereof. Serial No. 533,437, Sept. 6. Class 34.

Chamberlin Company of America, Detroit, Mich. Screens. Serial No. 561,656, Sept. 6. Class 13.

Chernack, Molly, doing business as Gold Chain Exterminators, Brooklyn, N. Y. Insecticides. Serial No. 568,581, Sept. 6. Class 6.

Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seals, mechanical leather products, and synthetic rubber products. Serial No. 528,692, Sept. 6. Class 35.

Clover Farms Stores Corporation, Cleveland, Ohio. Toilet soap, laundry soap, soap chips, etc. Serial No. 552,944, Sept. 6. Class 4.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars for men and boys. Serial No. 545,700, Sept. 6. Class 39.

Cohen-Reese Jewelry Corporation, New York, N. Y. Finger rings. Serial No. 560,185, Sept. 6. Class 28.

Coker, Eileen B., doing business as El-Ba-Co Chemical Company, Columbia, S. C. Household insecticide. Serial No. 534,606, Sept. 6. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 567,626, Sept. 6. Class 4.

Colonial Chemical Co., Inc., Seattle, Wash. Diatomaceous silica. Serial No. 559,779, Sept. 6. Class 1.

Columbia Malting Company, The, Chicago, Ill. Diastatic or amylotytic enzymes; proteolytic enzymes; carbohydrases, etc. Serial No. 529,603, Sept. 6. Class 6.

Columbian Rope Company, Auburn, N. Y. Fabric treated with non-slipping material for use in preventing slipping of rugs. Serial No. 510,571, Sept. 6. Class 50.

Compania Swift de Montevideo, S. A., Montevideo, Uruguay. Candles. Serial No. 559,906, Sept. 6. Class 15.

Conlon-Moore Corporation, Joliet, Ill. Coal and gas combination cooking ranges. Serial No. 551,543, Sept. 6. Class 34.

Conlon-Moore Corporation, Joliet, Ill. Oil and gas combination cooking ranges. Serial No. 551,544, Sept. 6. Class 34.

Consolidated Flour Mills Company, The, Wichita, Kans. Wheat flour. Serial No. 524,235, Sept. 6. Class 46.

Consolidated Venetian Blind Co., Inc., Houston, Tex. Venetian blinds and porch shades. Serial No. 522,278, Sept. 6. Class 32.

Continental Elastic Corporation, New Bedford, Mass. Elastic braids, narrow elastic webs, seam-binding tape, and non-elastic braid. Serial No. 566,214, Sept. 6. Class 40.

Cory, Albert N., Inc., New York, N. Y. Olives and olive oil. Serial No. 519,571, Sept. 6. Class 46.

Covell, L. A., Co., Marydel, Md. Canned tomatoes, sweet pickles, fresh cucumber pickles, etc. Serial No. 516,961, Sept. 6. Class 46.

Curtis Companies Incorporated, Clinton, Iowa. Sashes, doors, blinds, etc. Serial No. 549,363, Sept. 6. Class 12.

Cutter Laboratories, Berkeley, Calif. Antigen for the prevention of blackleg in cattle. Serial No. 567,327, Sept. 6. Class 6.

Cutter Laboratories, Berkeley, Calif. Antigen for the prevention of anthrax in livestock. Serial No. 567,329, Sept. 6. Class 6.

Cutter Laboratories, Berkeley, Calif. Biological immunizing agent. Serial No. 567,330, Sept. 6. Class 6.

Cutter Laboratories, Berkeley, Calif. Gonadotropic hormone. Serial No. 567,332, Sept. 6. Class 6.

Cutter Laboratories, Berkeley, Calif. Mixed bacterin. Serial No. 567,333, Sept. 6. Class 6.

Cutter Laboratories, Berkeley, Calif. Extracts to be used for prevention and/or treatment of dermatitis. Serial No. 567,335, Sept. 6. Class 6.

Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillowcases. Serial No. 558,870, Sept. 6. Class 42.

Danly Machine Specialties, Inc., Chicago, Ill. Power presses, die sets, tool maker supplies, etc. Serial No. 539,857, Sept. 6. Class 23.

Decker, Horace A., Toledo, Ohio. Drafting triangles. Serial No. 559,837, Sept. 6. Class 26.

Delecto Products Co., San Mateo, Calif. Prepared liquid starch. Serial No. 565,757, Sept. 6. Class 6.

Delfino, Joseph, also doing business as Joseph Delfino & Sons, Portchester, N. Y. Canned vegetables, fruits, fish, etc. Serial No. 522,344, Sept. 6. Class 46.

Delfino, Joseph, & Sons: *See*—
Delfino, Joseph.

Dickson Mfg. Co., Providence, R. I. Jewelry. Serial No. 550,899, Sept. 6. Class 28.

Dietzgen, Eugene, Co., Chicago, Ill. Slide rules. Serial No. 531,452, Sept. 6. Class 26.

Dolcin Corporation, New York, N. Y. Medicinal preparation. Serial No. 569,827, Sept. 6. Class 6.

Dolge, C. B., Company, The, Westport, Conn. Glass cleaner and metal polish. Serial No. 566,795, Sept. 6. Class 4.

Dollar St. Louis Corporation, St. Louis, Mo. Soda water bottles. Serial No. 553,577, Sept. 6. Class 13.

Dorr, Bradford, Chicago, Ill. Instruction manuals. Serial No. 509,404, Sept. 6. Class 38.

Double Woven Corporation of America, Dunmore, Pa. Gloves. Serial No. 562,920, Sept. 6. Class 39.

Dow, Jones & Company, Inc., New York, N. Y. Section of a daily newspaper. Serial No. 555,383, Sept. 6. Class 38.

Dow, Jones & Company, Inc., New York, N. Y. Section of a daily newspaper. Serial No. 555,386, Sept. 6. Class 38.

Dow, Jones & Company, Inc., New York, N. Y. Section of a daily newspaper. Serial No. 555,389, Sept. 6. Class 38.

Dublin, R. V., Company, The, Jacksonville, and Laredo, Tex. Fresh vegetables, fresh deciduous and citrus fruits, and fresh melons. Serial No. 559,590, Sept. 6. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Sodium perborate monohydrate. Serial No. 562,921, Sept. 6. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dynamite. Serial No. 571,849, Sept. 6. Class 9.

Durabrake Auto Refinishing Company, Inc., The, Bridgeport, Conn. Painting used automobiles and repairing auto bodies. Serial No. 557,444, Sept. 6. Class 55.

Durms Products Co., Minneapolis, Minn. Analgesic, hemostatic, antiseptic, and deodorizing agent. Serial No. 564,562, Sept. 6. Class 6.

Eastern Metal Products Co., Tuckahoe, N. Y. Cooking utensils. Serial No. 557,267, Sept. 6. Class 13.

Edwal Laboratories, Inc., The, Chicago, Ill. High speed fixing solution. Serial No. 527,504, Sept. 6. Class 6.

Edwards and Company, Inc., Norwalk, Conn. Electrical goods and apparatus. Serial No. 534,256, Sept. 6. Class 21.

El-Ba-Co Chemical Company: *See*—
Coker, Eileen B.

Elmco Corporation, The, Salt Lake City, Utah. Mining, metallurgical, chemical process and contractors' equipment. Serial No. 542,105, Sept. 6. Class 23.

Ellesson, G. M., Company, Chicago, Ill. All-metal watch bands. Serial No. 550,681–2, Sept. 6. Class 28.

Elmore Silver Co., Inc., The, Meriden, assignor to Amston Silver Company, Inc., Amston, Conn. Silver flat ware and hollow ware. Serial No. 551,782, Sept. 6. Class 28.

Epp Products, Inc., Baltimore, Md. Extension rules. Serial No. 566,576, Sept. 6. Class 26.

Eutectic Welding Alloys Corporation, New York, N. Y. Acetylene generator and its accessories. Serial No. 551,862, Sept. 6. Class 34.

Fabrique D'Horlegerie Minerva Sport, S. A., Villeret, Switzerland. Watches and watch movements. Serial No. 522,622, Sept. 6. Class 27.

Faultless Rubber Company, The, Ashland, Ohio. Sponge rubber, rubber sponge, and rubber sponges. Serial No. 554,220, Sept. 6. Class 1.

Fawcett Publication, Inc., Greenwich, Conn. Monthly publication. Serial No. 566,865, Sept. 6. Class 38.

Fort Pitt Tomato Company, assignor to Fort Pitt Tomato Company, Pittsburgh, Pa. Fresh tomatoes. Serial No. 532,130, Sept. 6. Class 46.

Fortis Watch Ltd., Grenchen, Switzerland. Watches, clocks, and parts of watches. Serial No. 513,620, Sept. 6. Class 27.

Foster Packing Company, Chicago, Ill. Canned sausage, and canned salmon. Serial No. 552,326, Sept. 6. Class 46.

Fram Corporation, East Providence, R. I. Cartridges for filters. Serial No. 557,917, Sept. 6. Class 31.

Friedmans' Jewelers, Inc., Savannah, Ga. Genuine diamonds, mounted and unmounted. Serial No. 556,790, Sept. 6. Class 28.

Friedmans' Jewelers, Inc., Savannah, Ga. Jewelry. Serial No. 556,791, Sept. 6. Class 28.

Galef, J. L., & Son, Inc., New York, N. Y. Gun lubricating oil, lubricating oil, and gun grease. Serial No. 513,403, Sept. 6. Class 15.

Gantner & Mattern Company, San Francisco, Calif. Men's women's, children's swim suits; swim trunks, beach coats, sweaters, etc. Serial No. 554,892, Sept. 6. Class 39.

Garden Grove Citrus Association, Garden Grove, Calif. Fresh citrus fruits. Serial No. 559,597, Sept. 6. Class 46.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Fatty acid esters. Serial No. 564,229, Sept. 6. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Auscultatory instrument. Serial No. 493,677, Sept. 6. Class 26.

General Utilities Distributors, Inc., Chicago, Ill. Sewing machines. Serial No. 516,686, Sept. 6. Class 23.

Gilbert Paper Company, Menasha, Wis. Writing papers and bond paper. Serial No. 567,300, Sept. 6. Class 37.

Gillinder Brothers, Inc., Port Jervis, N. Y. Illuminating glassware globes. Serial No. 543,290, Sept. 6. Class 34.

Glidden Company, The, Cleveland, Ohio. Gum thus, rosin, polymerised rosin, and metal resinates. Serial No. 558,133, Sept. 6. Class 1.

Gloube Manufacturing Company: *See*—
Glouberman, Leo M.

Glouberman, Leo M., doing business as Gloube Manufacturing Company, Newark, N. J. Wire staples. Serial No. 515,871, Sept. 6. Class 13.

Gold Chain Exterminators: *See*—
Chernack, Molly.

Goldsmith Brothers Manufacturing Co. Inc., New York, N. Y. Piece goods. Serial No. 557,921, Sept. 6. Class 42.

Goldstein, Jeff, Inc., New York, N. Y. Men's uniforms and riding habits. Serial No. 563,676, Sept. 6. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Storage batteries. Serial No. 556,882, Sept. 6. Class 21.

Gotham Laboratories Corporation, New York, N. Y. Medicine. Serial No. 563,175, Sept. 6. Class 6.

Green Mountain Packing Co., Inc., St. Albans, Vt. Blended cane and pure maple syrup, and canned vegetables. Serial No. 551,890, Sept. 6. Class 46.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 568,175, Sept. 6. Class 27.

Haberman, Wm., Corporation, New York, N. Y. Outer shirts. Serial No. 543,604, Sept. 6. Class 39.

Haggar Company, Dallas, Tex. Men's and boys' trousers and outer shirts. Serial No. 547,445, Sept. 6. Class 39.

Hanover Canning Company, Hanover, Pa. Canned vegetables, canned sauerkraut with pork, and canned pork and beans. Serial No. 530,500, Sept. 6. Class 46.

Hanover Canning Company, Hanover, Pa. Canned tomatoes, canned tomato juice, and canned tomato puree. Serial No. 530,501, Sept. 6. Class 46.

Hanover Canning Company, Hanover, Pa. Canned vegetables, canned sauerkraut with pork, canned pork and beans, etc. Serial No. 530,503, Sept. 6. Class 46.

Hans Hansen Solvsmedie A/S, Kolding, Denmark. Jewelry. Serial No. 547,541 Sept. 6. Class 28.

Harper-Wyman Company, Chicago, Ill. Filters. Serial No. 560,019, Sept. 6. Class 31.

Harris, B. W., Manufacturing Co., Inc., St. Paul, Minn. Ladies', men's, boys', and girls' coats, sport jackets, "windbreakers," etc. Serial No. 558,299, Sept. 6. Class 39.

Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,042, Sept. 6. Class 17.

Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,045–6, Sept. 6. Class 17.

Hollingsworth & Whitney Company, Boston, Mass. Tag, wrapping, and converting papers. Serial No. 561,629, Sept. 6. Class 37.

Hornet, Inc., Elyria, Ohio. Artificial fishing lures. Serial No. 556,887, Sept. 6. Class 22.

Hot Shoppes, Inc., Washington, D. C. Serving of foods and beverages in restaurants. Serial No. 542,583, Sept. 6. Class 55.

Howes, S., Co., Inc.: *See*—
Brown, Burt C.

Hudson Pulp Paper Corporation, New York, N. Y., and Portland, Maine. Paper towels, paper napkins, and paper toilet paper. Serial No. 551,894, Sept. 6. Class 37.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 557,848, Sept. 6. Class 22.

Ingeniörsfirma Robert Lejmark A. B., Timmernabben, Sweden. Sawdust. Serial No. 538,546, Sept. 6. Class 12.

International Industrial Sales Company: *See*—
Sleight, Roland B.

International Latex Corporation, Dover, Del. Utility device. Serial No. 558,030, Sept. 6. Class 32.

Interstate Aircraft and Engineering Corporation: *See*—
Interstate Engineering Corporation.

Interstate Engineering Corporation, El Segundo, Calif., formerly known as Interstate Aircraft and Engineering Corporation. Single and double metal tank water softeners. Serial No. 506,318, Sept. 6. Class 31.

Ivz Laboratories: *See*—
Kross, Charles M.

Izuo Brothers, Honolulu, Hawaii. Fishing tackle. Serial No. 562,064, Sept. 6. Class 22.

Kasco Mills, Inc., Toledo, Ohio. Dog food. Serial No. 522,446, Sept. 6. Class 46.

Kaspar & Esh Inc., New York, N. Y. Finger rings. Serial No. 564,879, Sept. 6. Class 28.

Kerr Salt Company, Philadelphia, Pa. Bath salt. Serial No. 545,264, Sept. 6. Class 6.

Kiefer, Richard A., doing business as Kiefer's Tools, Elberon, N. J. Bracelets and watch straps. Serial No. 569,073, Sept. 6. Class 28.

Kiefer's Tools: *See*—
Kiefer, Richard A.

Kingan & Co. Incorporated, Indianapolis, Ind. Shortening. Serial No. 554,026, Sept. 6. Class 46.

Kip Inc., Los Angeles, Calif. Salves. Serial No. 565,898, Sept. 6. Class 6.

Knickerbocker Stamping Company, Parkersburg, W. Va. Refrigeration equipment. Serial No. 556,637, Sept. 6. Class 31.

Kokomo Sanitary Pottery Corporation, Kokomo, Ind., and Chicago, Ill. Vitreous china water closets, tanks, and bowls. Serial No. 534,151, Sept. 6. Class 13.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial No. 560,711, Sept. 6. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Monthly publication. Serial No. 565,132, Sept. 6. Class 38.

Kross, Charles M., conducting business under the name and style of Ivz Laboratories, Brooklyn, N. Y. Pharmaceutical. Serial No. 560,112, Sept. 6. Class 6.

Kunst, Simon, & Co. Inc., New York, N. Y. Textile fabrics. Serial No. 537,466, Sept. 6. Class 42.

Lancome, S. A., Paris, France. Perfumes and rouge. Serial No. 530,526, Sept. 6. Class 6.

Langdale Company, The, Valdosta, Ga. Lumber and timber products. Serial No. 555,680, Sept. 6. Class 12.

Larus & Brother Company also doing business as Reed Tobacco Company, Branch, Larus & Brother Company, Richmond, Va. Cigarettes. Serial No. 560,564, Sept. 6. Class 17.

Lee Paper Company, Vicksburg, Mich. Cover paper. Serial No. 556,807, Sept. 6. Class 37.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. Serial No. 560,905, Sept. 6. Class 6.

"Les Tissus Solabelle," Société à Responsabilite Limitée, Paris, France. Textile material in the piece. Serial No. 545,861. Sept. 6. Class 42.

Levine, Theodore, doing business as The Myalora Co., Brooklyn, N. Y. Hair and scalp preparations. Serial No. 553,678, Sept. 6. Class 6.

Lichtman, J., & Sons, Newark, N. J. Leather. Serial No. 543,944, Sept. 6. Class 1.

Liquid Carbonic Corporation, The, Chicago, Ill. Acetylene regulating valves. Serial Nos. 529,063–4, Sept. 6. Class 13.

Locket Bra Inc., New York, N. Y. Brassières. Serial No. 562,373, Sept. 6. Class 39.

Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watches and parts thereof. Serial No. 551,286, Sept. 6. Class 27.

Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watches and clocks and parts thereof. Serial No. 551,287, Sept. 6. Class 27.

Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watches and parts thereof. Serial Nos. 551,288–9, Sept. 6. Class 27.

Lucilin Products Company, Chicago, Ill. Pedal operated toy vehicle of the scooter type. 539,532, Sept. 6. Class 22

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes, measuring tape accessories, precision measuring tools, etc. Serial No. 521,022, Sept. 6. Class 26.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. Serial No. 536,111, Sept. 6. Class 21.

Mallinckrodt Chemical Works, St. Louis, Mo. Contrast media for X-ray diagnosis. 563,266, Sept. 6. Class 6.

Mangan Company, The, Providence, R. I. Rosaries. Serial No. 569,454, Sept. 6. Class 28.

Manufacture d'Horlegetie de Bethune, Bethune, France. Automatic platform scales. Serial No. 557,733, Sept. 6. Class 26.

Master Ladder Bracket Co.: *See*—
Bucher, Simon.

Mattel Creations, Culver City, Calif. Toy ukuleles. Serial No. 519,625, Sept. 6. Class 22.

Mayer, Otto W., San Francisco, Calif. Men's, women's, girls' and boys' hats, pants, outer shirts, boots and apparel belts. Serial No. 514,977, Sept. 6. Class 39.

McCarren, Charles R., doing business as McCarren's, Butler, Pa. Men's and boys' clothing. Serial No. 510,096, Sept. 6. Class 39.

McCarren's: *See*—
McCarren, Charles R.

McClung, C. M., & Co., Knoxville, Tenn. Targets, baseball bats, baseball gloves, etc. Serial No. 550,164, Sept. 6. Class 22.

Mechanised Horticultural Implements Limited, London, England. Cultivators and tractors. Serial No. 553,500, Sept. 6. Class 23.

Merit Packing Company: *See*—
Terven, Lewis A.

Mermade Bait Co., Inc., The, Cleveland, Ohio. Artificial bait. Serial No. 562,869, Sept. 6. Class 22.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Men's and women's costume jewelry. Serial No. 534,910, Sept. 6. Class 28.

Michigan Tank & Furnace Corporation, Dearborn, Mich. Boilers and water heaters. Serial No. 544,177, Sept. 6. Class 34.

Mid-Continent Stores, Inc., Kansas City, Mo. Women's wearing apparel and lingerie. Serial No. 551,991, Sept. 6. Class 39.

Mohawk Rubber Company, The, Akron, Ohio. Repair units for non-metallic tires, and tubes. Serial No. 506,682, Sept. 6. Class 35.

Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Household electrical refrigerators. Serial No. 557,459, Sept. 6. Class 31.

Moore's of Ohio: *See*—
Moore, William S.

Mutual Products Co., Minneapolis, Minn. Suckling device for feeding liquids. Serial No. 557,151, Sept. 6. Class 50.

Myalora Co., The: *See*—
Levine, Theodore.

National Cylinder Gas Company, Chicago, Ill. Metallic electrodes. Serial No. 548,897, Sept. 6. Class 14.

National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. Serial No. 557,763, Sept. 6. Class 23.

National Pressure Cooker Company, Eau Claire, Wis. Coffee urns and coffee makers. Serial No. 563,948, Sept. 6. Class 13.

National Specialty Company, Nashville, Tenn. Fire crackers. Serial No. 562,487, Sept. 6. Class 9.

National Theatre Supply, New York, N. Y. Unpopped popcorn and prepared popcorn seasoning. Serial No. 550,061, Sept. 6. Class 46.

National Van Lines, Inc., Chicago, Ill. Transportation of goods by motor van. Serial No. 557,202, Sept. 6. Class 55.

New England Carbide Tool Company, Inc., Cambridge, Mass. Knife sharpener. Serial No. 567,871, Sept. 6. Class 4.

Newman, Leo, New York, N. Y. Outer wearing apparel. Serial No. 540,701, Sept. 6. Class 39.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Ferro-magnetic cores and shielding materials Serial No. 557,380, Sept. 6. Class 14.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Hemostatic therapeutic substance. Serial Nos. 567,086–7, Sept. 6. Class 6.

O-K Scale Company: *See*—
Brown, Burt C.

Pan-American Jewelers, Inc., New York, N. Y. Watch cases, watch movements, watch dials, etc. Serial No. 544,902, Sept. 6. Class 27.

Paquin Limited, Paris, France. Perfumes, toilet water, face powder, etc. Serial No. 566,359, Sept. 6. Class 6.

Parfumerie & Savonnerie Gilot, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouges, and lipsticks. Serial No. 508,238, Sept. 6. Class 6.

Parker, Priscilla, Inc., New York, N. Y. Skin freshener, nail enamel, skin lotion, etc. Serial No. 558,414, Sept. 6. Class 6.

Parsons Company, The, assignor to Parsons Corporation, Detroit, Mich. Kitchen cabinets. Serial No. 553,977, Sept. 6. Class 32.

Parsons Corporation: *See*—
Parsons Company, The.

Pasco Packing Co., Dale, Fla. Canned citrus juices and segments, and cattle feed. Serial No. 524,557, Sept. 6. Class 46.

Patrick-Duluth Co., Duluth, Minn. Mackinaws, jackets, shirts, etc. Serial No. 544,378, Sept. 6. Class 39.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Material of construction. Serial No. 549,654, Sept. 6. Class 12.

Perfection Mattress & Spring Company, Birmingham, Ala. Bed springs and mattresses. Serial No. 520,897, Sept. 6. Class 32.

Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y. Chemical compound. Serial No. 545,881, Sept. 6. Class 6.

Pettus, A. J., doing business as A. J. Pettus, Dayton, Ohio. Ladies', misses', and children's shoes, slippers. Serial No. 542,462, Sept. 6. Class 30.

Pharmex Limited, Kent, England. Uric acid solvent and urinary antiseptic. Serial No. 557,868, Sept. 6. Class 6.

Pillsbury Mills, Inc., Minneapolis, Minn. Silver-plated tableware. Serial No. 564,237, Sept. 6. Class 28.

Pine Spring Water Company, Brunswick, Maine. Non-alcoholic, maltless beverages, etc. Serial No. 566,167, Sept. 6. Class 45.

Piper, Lucile S.: *See*—
Piper, Robert G.

Piper, Robert G., doing business as L. S. Piper, Cincinnati, Ohio. Porcelain dinner or service plates. Serial No. 555,196, Sept. 6. Class 30.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Adhesive applying brushes, calcimine brushes, paint brushes, etc. Serial No. 547,657, Sept. 6. Class 29.

Pope, Eddie Meatrose, Calif. Artificial fish lures. Serial No. 551,400, Sept. 6. Class 22.

Pope, Frank B., doing business as Frank B. Pope Co., Pittsburgh, Pa. Powdered refractory material. Serial No. 558,197, Sept. 6. Class 1.

Pope, Frank B., Co.: *See*—
Pope, Frank B.

Press-On, Inc., New York, N. Y. Printed labels. Serial No. 538,559, Sept. 6. Class 38.

Protex Glass Company, St. Louis, Mo. Plate glass. Serial No. 539,564, Sept. 6. Class 32.

Purolator Products, Inc., Newark, N. J. Oil filters. Serial No. 560,053, Sept. 6. Class 31.

Rask, Jens S., Wheeling, Ill. Cheese spoon. Serial No. 543,968, Sept. 6. Class 28.

Red Top Brewing Company, Cincinnati, Ohio. Alcoholic malt beverages and sirups and extracts for making the same. Serial No. 546,875–6, Sept. 6. Class 46.

Redlands Select Groves, Redlands, Calif. Fresh citrus fruits. Serial No. 560,777, Sept. 6. Class 46.

Reed Tobacco Company, Branch, Larus & Brother Company: *See*—
Larus & Brother Company.

Reeder, Leo E., doing business as SL Fluid Co., Pasadena, Calif. Compound to stop slow leaks in basket balls, soccer balls. Serial No. 556,650, Sept. 6. Class 5.

Reichhold Chemicals, Inc., Detroit, Mich. Water soluble phenol base resins and water soluble and urea base resins. Serial No. 558,915, Sept. 6. Class 1.

Republic Paint & Varnish Co., Chicago, Ill. Flat wall paint and paint-enamel undercoat. Serial No. 556,128, Sept. 6. Class 16.

Revista Industrial Publishing Company, Cleveland, Ohio. Periodical publication. Serial No. 566,773, Sept. 6. Class 35.

Roberts & Mander Corporation, Hatboro, Pa. Gas ranges and cooking devices. Serial No. 543,749, Sept. 6. Class 34.

Robinson-Wagner Co. Inc., New York, N. Y. Lanolin alcohols in wax form. Serial No. 560,291, Sept. 6. Class 6.

Robinson-Wagner Co. Inc., New York, N. Y. Lanolin containing cholesterol. Serial No. 560,292, Sept. 6. Class 6.

Roddis Lumber and Veneer Co., Marshfield, Wis., now by change of name Roddis Plywood Corporation. Wooden doors. Serial No. 524,018, Sept. 6. Class 12.

Roddis Plywood Corporation: *See*—
Roddis Lumber and Veneer Co.

Rohm & Haas Company, Philadelphia, Pa. Binder suitable for use in dyeing and printing of textiles. Serial No. 574,463, Sept. 6. Class 6.

Roma Art Company, Seattle, Wash. Children's banks. Serial No. 555,244, Sept. 6. Class 22.

Royal Drafting Instrument Co., Royal Oak, Mich. Drafting instruments. Serial No. 549,005, Sept. 6. Class 24.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt roll roofings and shingles. Serial No. 547,777, Sept. 6. Class 12.

Rubinstein, B., & Son, New York, N. Y. Diamond rings and wedding rings. Serial No. 561,974, Sept. 6. Class 28.

S. F. Appliances, Limited, Ridgefield, N. J. Blow torches and plumbers' solder furnaces. Serial Nos. 563,972–3, Sept. 6. Class 34.

SL Fluid Co.: *See*—
Reeder, Leo E.

Sampsel Time Control, Inc., Spring Valley, Ill. Control switches. Serial No. 533,925, Sept. 6. Class 26.

Scarne, John, Fairview, N. J. Game. Serial No. 562,087, Sept. 6. Class 22.

Schell Mfg. Co., Inc., The, Chicago, Ill. Shoes. Serial No. 547,039, Sept. 6. Class 30.

Schell Mfg. Co., Inc., The, Chicago, Ill. Preparation for the treatment of hard or soft corns or calli. Serial No. 548,419, Sept. 6. Class 6.

Schoenfeld, Rene, Groenekan, The Netherlands. Incense. Serial No. 561,506, Sept. 6. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Aspirin compound tablets. Serial No. 544,770, Sept. 6. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Candy. Serial No. 556,247, Sept. 6. Class 46.

Sebel, D., & Company Limited, London, England. Furniture. Serial No. 518,782, Sept. 6. Class 32.

Selas Corporation of America, Philadelphia, Pa. Gas distribution apparatus; fluid fuel burners, etc. Serial No. 563,370, Sept. 6. Class 34.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Pipe joint cement. Serial No. 549,285, Sept. 6. Class 12.

Sharff, Lee B., Falls Church, Va. Unfinished base metal blanks. Serial No. 564,164, Sept. 6. Class 14.

Sharp & Dohme, Incorporated, Philadelphia, Pa. General tonic for human use. Serial No. 544,919, Sept. 6. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Diuretic. Serial No. 566,549, Sept. 6. Class 6.

Simmons Company, New York, N. Y. Mattresses, studio couches, lounges, and springs for bedsteads. Serial No. 561,517, Sept. 6. Class 32.

Sinclair, Murray & Co., Inc., New York, N. Y., now by consolidation, Sinclair, Murray & Co., Inc. Booklets. Serial No. 560,933–4, Sept. 6. Class 38.

Sleight, Roland E., doing business as International Industrial Sales Company, Philadelphia, Pa. Inks. Serial No. 561,777, Sept. 6. Class 11.

Small Homes Guide, Inc., Chicago, Ill. Magazine. Serial No. 507,149, Sept. 6. Class 38.

Smith, Howard, doing business as Brentwood Distributors, New York, N. Y. Liquid preparation. Serial No. 562,160, Sept. 6. Class 6.

Smitherlin, Inc., Hawthorne, N. J. Liquid fuels. Serial No. 513,648, Sept. 6. Class 15.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparation recommended for agricultural use. Serial No. 539,910, Sept. 6. Class 6.

Southern Oregon Sales, Inc., Medford, Oreg. Fresh deciduous fruits. Serial No. 536,169, Sept. 6. Class 46.

Speidel Corporation, Providence, R. I. Watch bracelets. Serial No. 547,370, Sept. 6. Class 28.

Sperry and Hutchinson Company, The, New York, N. Y. Stamp books. Serial No. 532,518, Sept. 6. Class 37.

Staley, A. E., Manufacturing Company, Decatur, Ill. Nutrient median. Serial No. 519,838, Sept. 6. Class 6.

Standard Lime and Stone Company, The, Baltimore, Md. Refractory material. Serial No. 564,029, Sept. 6. Class 12.

Stein, S., & Co., Inc., New York, N. Y. Woolen fabrics in the piece. Serial No. 541,043, Sept. 6. Class 42.

Stein, S., & Co., Inc., New York, N. Y. Woolen fabrics in the piece. Serial No. 541,046, Sept. 6. Class 42.

Stein, S., & Co., Inc., New York, N. Y. Woolen fabrics in the piece and in cut lengths. Serial No. 541,050, Sept. 6. Class 42.

Stephens, W. E., Mfg. Co. Inc., Nashville, Tenn. Men's work shirts and work pants and boys' work shirts and work pants. Serial Nos. 556,149–50, Sept. 6. Class 39.

Steven Candy Kitchens, Inc., Chicago, Ill. Candies. Serial No. 559,649, Sept. 6. Class 46.

Stewart Paint Mfg. Co., Minneapolis, Minn. Mixed paint ready for use. Serial No. 539,838, Sept. 6. Class 16.

Stor-Aid, Inc., New York, N. Y. Portable closets and chests. Serial No. 546,068, Sept. 6. Class 32.

Strickland, J., and Co., Memphis, Tenn. Perfume. Serial No. 563,762, Sept. 6. Class 6.

Swank, Inc., Attleboro, Mass. Jewelry. Serial No. 545,045, Sept. 6. Class 28.

Swift & Company, Chicago, Ill. Butter. Serial No. 546,247, Sept. 6. Class 46.

Table Rock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of vitamin deficiencies, and hydrochloric acid deficiencies, etc. Serial No. 527,429, Sept. 6. Class 6.

Telesecretarial Service, Inc., Boston, Mass. Telephone answering service and dictating service by telephone. Serial No. 546,069, Sept. 6. Class 55.

Tervon, Lewis A., Company, assignor to Merit Packing Company, Salinas, Calif. Fresh carrots. Serial No. 549,681, Sept. 6. Class 46.

Tex-O-Kan Flour Mills Co., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. Wheat flour, whole wheat flour, cake flour, etc. Serial No. 492,293, Sept. 6. Class 46.

Topsall Lubricants, Inc., Kenmore, N. Y. Motor and industrial lubricating oils and greases. Serial No. 555,324, Sept. 6. Class 15.

Transparent Shade Co., Los Angeles, Calif. Transparent, sun-protective window shades. Serial No. 558,180, Sept. 6. Class 32.

Tyrer, Thomas, & Company Limited, Stratford, England. Chemicals. Serial No. 556,608, Sept. 6. Class 6.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. Serial No. 548,618, Sept. 6. Class 15.

United Aircraft Products, Inc., Dayton, Ohio. Metal baking pans. Serial No. 560,428, Sept. 6. Class 13.

United Aircraft Products, Inc., Dayton, Ohio. Metal baking pans. Serial No. 563,833, Sept. 6. Class 13.

U. S. Expansion Bolt Co., York, Pa. Expansion shields. Serial Nos. 564,024–5, Sept. 6. Class 13.

U. S. Expansion Bolt Co., York, Pa. Expansion shields. Serial No. 564,028, Sept. 6. Class 13.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 559,965, Sept. 6. Class 6.

Van Baalen Heilbrun & Co., Inc., New York, N. Y. Men's robes. Serial No. 554,745, Sept. 6. Class 39.

Van Baalen Heilbrun & Co., Inc., New York, N. Y. Men's robes. Serial No. 555,119, Sept. 6. Class 39.

Vetter, George W., Wilmette, Ill. Pants and skirt hangers. Serial No. 549,682, Sept. 6. Class 50.

Virginia-Carolina Chemical Corporation, Richmond, Va. Granular, general purpose cleanser. Serial No. 558,829, Sept. 6. Class 4.

Wallace Laboratories, Inc., New York, N. Y. Ointment. Serial No. 565,389, Sept. 6. Class 6.

Wallerstein Mayer Co., The, Cincinnati, Ohio. Jewelry. Serial No. 557,641, Sept. 6. Class 28.

Waterbury Companies, Incorporated, Waterbury, Conn. Bottle syphons. Serial No. 550,636, Sept. 6. Class 13.

Weitz, S., & Co., Inc., Cleveland, Ohio. Men's, women's, and children's coats. Serial No. 564,086, Sept. 6. Class 39.

Western Hosiery Company, Chicago, Ill. Gloves and mittens. Serial No. 529,944, Sept. 6. Class 39.

Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature alloys. Serial No. 517,941, Sept. 6. Class 14.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Information leaflets. Serial No. 555,329, Sept. 6. Class 38.

Wheeler-Barnes Company, Minneapolis, Minn. Fruit jellies. Serial No. 558,612, Sept. 6. Class 46.

Wiebenson, Walter E., Aberdeen, Wash. Machines for drying laundry. Serial No. 510,413, Sept. 6. Class 24.

Williams and Shelton Company, Inc., Charlotte, N. C. Oil-fired floor furnaces, gas ranges, and oil space heaters. Serial No. 565,504, Sept. 6. Class 34.

Willy, John, Inc., Chicago, Ill. Business stationery, correspondence envelopes, blank printed forms, etc. Serial No. 546,899, Sept. 6. Class 37.

Window Corporation of America, New York, N. Y. Aluminum windows. Serial No. 538,579, Sept. 6. Class 12.

Wisconsin Bedding Company, Sheboygan, Wis. Mattresses, boxsprings, pillows, etc. Serial No. 553,560, Sept. 6. Class 32.

Wolf, Jacques, & Co., Clifton, N. J. Emulsified phenyl amine. Serial No. 560,591, Sept. 6. Class 6.

Wolverine Shoe & Tanning Corporation, Rockford, Mich. Men's work shoes. Serial No. 554,540, Sept. 6. Class 39.

Wood, J. R., & Sons, Inc., New York, N. Y. Finger rings. Serial No. 567,614, Sept. 6. Class 28.

Woolrich Woolen Mills, Woolrich, Pa. Caps and hats for men, women, and children; men's knickers, trousers, etc. Serial Nos. 548,206–7, Sept. 6. Class 39.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 562,169, Sept. 6. Class 22.

Yale & Towne Manufacturing Company, The, New York, N. Y. Pneumatic door closers. Serial No. 538,218, Sept. 6. Class 13.

Yunker Manufacturing Co., Inc., Point Pleasant, W. Va. Children's play togs. Serial No. 570,602, Sept. 6. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Aciform Corporation, Chicago, Ill. Chairs, tables, platforms, or stools which vibrate, in whole or in part, for therapeutic or massage purposes. 514,673, Sept. 6; Serial No. 524,096, published May 31, 1949. Class 44.

Ackerman, Mary D., Mechanicsburg, Ohio. Children's overalls, boys' pajamas, snowsuits, etc. 514,732, Sept. 6; Serial No. 540,358, published May 3, 1949. Class 39.

Adams & Westlake Company, The, Chicago, Ill. Electric lighting fixtures. 443,358, Sept. 6; Serial No. 525,518, published May 17, 1949. Class 21.

Addis Limited, Hertford, England. Toothbrushes. 514,844, Sept. 6; Serial No. 552,029, published May 24, 1949. Class 29.

Aikens, Roy C., assignee: *See*—
Casey-Aiken Pharmaceuticals.

Air Reduction Sales Company, New York, N. Y. Wrenches. 514,808, Sept. 6; Serial No. 549,689, published May 24, 1949. Class 23.

Airborne Accessories Corporation, Hillside, N. J. Electro mechanical apparatus. 514,741, Sept. 6; Serial No. 542,063, published May 24, 1949. Class 21.

Aitken, Hugh W., Glasgow, Scotland, to A. F. Craig & Company Limited, Paisley, Renfrewshire, Scotland. Rollermill castings. 74,792, re-renewed Aug. 10, 1949. O. G. Sept. 6. Class 14.

Algin Products Corporation, by Feedwaters, Inc., New York, N. Y. Chemicals used for treating water in house and industrial heating systems. 262,781, Oct. 22, 1929. Republished Sept. 6. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Composition shingles. 514,854, Sept. 6; Serial No. 552,727, published May 3, 1949. Class 12.

Allied Stores Corporation, Wilmington, Del., and New York, N. Y., doing business as The Bon Marche, Seattle, Wash., and Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Goods; men's and boys' suits, overcoats, topcoats, etc. 514,857, Sept. 6; Serial No. 510,046, published Apr. 26, 1949. Class 39.

Aloe, A. S., Company, St. Louis, Mo. Chlorophyl air fresheners, gall bladder dyes, albumin test reagents, etc. 514,681, Sept. 6; Serial No. 528,177, published May 31, 1949. Class 6.

American Automobile Association, Washington, D. C. Maps, printed touring and route information and other printed publications. 112,980, Oct. 10, 1916. Republished Sept. 6. Class 38.

American Automobile Association, Washington, D. C. Shipping boxes, shipping cartons, shipping containers, etc. 341,044, Dec. 1, 1936. Republished Sept. 6. Class 2.

American Automobile Association, Washington, D. C. Typewriter ribbons and carbon paper. 341,529, Dec. 8, 1936. Republished Sept. 6. Class 11.

American Automobile Association, Washington, D. C. Portfolios, pocketbooks, and card cases. 341,530, Dec. 8, 1936. Republished Sept. 6. Class 3.

American Automobile Association, Washington, D. C. Key rings. 341,577, Dec. 15, 1936. Republished Sept. 6. Class 13.

American Automobile Association, Washington, D. C. Tire covers. 341,578, Dec. 15, 1936. Republished Sept. 6. Class 35.

American Automobile Association, Washington, D. C. Printed maps, pamphlets, books, etc. 342,144, Jan. 5, 1937. Republished Sept. 6. Class 38.

American Automobile Association, Washington, D. C. Electrical advertising signs. 342,145, Jan. 5, 1937. Republished Sept. 6. Class 21.

American Automobile Association, Washington, D. C. Ash trays. 342,479, Jan. 19, 1937. Republished Sept. 6. Class 8.

American Automobile Association, Washington, D. C. Writing paper, envelopes, wrapping paper, etc. 343,877, Mar. 9, 1937. Republished Sept. 6. Class 37.

American Automobile Association, Washington, D. C. Signs, mechanical or structural, non-electric traffic and street signs, etc. 344,376, Mar. 23, 1937. Republished Sept. 6. Classes 21, 50.

American Automobile Association, Washington, D. C. Overalls, raincoats, and belts for outer wear. 344,381, Mar. 23, 1937. Republished Sept. 6. Class 39.

American Brake Shoe Company, New York, N. Y. Power-operated excavating dippers and parts thereof. 514,737, Sept. 6; Serial No. 541,485, published May 31, 1949. Class 23.

American Crucible Company, North Haven, Conn. Refractories. 514,653, Sept. 6; Serial No. 500,728, published May 3, 1949. Class 12.

American Cyanamid Company, New York, N. Y. Sedative preparation. 514,927, Sept. 6; Serial No. 565,158, published May 31, 1949. Class 6.

American Cyanamid Company, New York, N. Y. Antibiotics. 514,928, Sept. 6; Serial No. 565,159, published May 31, 1949. Class 6.

American Cystoscope Makers, Inc., New York, N. Y. Miniature lamps for use with examining and operating surgical and dental instruments. 514,899, Sept. 6; Serial No. 560,676, published May 31, 1949. Class 44.

American Optical Company, Southbridge, Mass. Diagnostic instruments. 443,356, Sept. 6; Serial No. 524,439, published May 31, 1949. Class 44.

American Thermo-Ware Company, New York, N. Y. Thermometers, binoculars, field glasses, etc. 182,104, Apr. 1, 1924. Republished Sept. 6. Class 26.

American Watch Co., of Canada: *See*—
Lechter, B.

Anies, Lawrence M., Alexandria, Va. Compositions for treatment of fungal infestations. 514,878, Sept. 6; Serial No. 556,615, published May 10, 1949. Class 6.

Ampco Metal, Inc., Milwaukee, Wis. Centrifugal pumps. 514,819, Sept. 6; Serial No. 550,286, published May 24, 1949. Class 23.

Anderson, Arnold F.: *See*—
Flamhaft, Harry.

Anderson, Hunter, doing business as Tortuga Products Company, Phoenix, Ariz., by Consolidated Cosmetics, Chicago, Ill. Cosmetics. 345,681, May 4, 1937. Republished Sept. 6. Class 6.

Aniline Color and Extract Works, Basel, Switzerland, formerly John R. Geigy, by Geigy Company, Inc., New York, N. Y. Dye stuffs. 73,058, Mar. 16, 1909. Republished Sept. 6. Class 6.

Annin & Co., New York, N. Y. Bunting. 514,934, Sept. 6; Serial No. 567,747, published May 17, 1949. Class 42.

Apple Growers Association, Hood River, Oreg. Canned fruits, cider vinegar, fresh deciduous fruits. 514,725, Sept. 6; Serial No. 538,589, published May 17, 1949. Class 46.

Arco Company, The, by The Arco Company (1934), Cleveland, Ohio. Ready-mixed paints and varnishes. 124,361, Feb. 11, 1919. Republished Sept. 6. Class 16.

Arco Company, The, (1934): *See*—
Arco Company, The.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Foundation creams. 514,868, Sept. 6; Serial No. 564,644, published May 24, 1949. Class 6.

Armand Company, The, Des Moines, Iowa. Cologne. 442,036, Feb. 8, 1949. Republished Sept. 6. Class 6.

Armstrong Grocery Company, Sharon, Pa. Canned soup, tea, vinegar, etc. 441,599, Dec. 14, 1948. Republished Sept. 6. Class 46.

Associated Distributors, by Consolidated Cosmetics, Chicago, Ill. Deodorizing perfume. 406,589, Apr. 11, 1944. Republished Sept. 6. Class 6.

Associated Patentees, Inc., Ampere, N. J. Milling machines. 514,858, Sept. 6; Serial No. 541,750. Class 23.

Atlantic Stamping Company, Rochester, N. Y. Metal products. 155,200, May 23, 1922. Republished Sept. 6. Classes 13 and 23.

Atlas Powder Company, Wilmington, Del. Powder and dynamite. 261,467, renewed Sept. 17, 1949. O. G. Sept. 6. Class 9.

Atlas Supply Company, New York, N. Y., to Atlas Supply Company, Newark, N. J. Rubber tires and tubes. 261,068, renewed Sept. 3, 1949. O. G. Sept. 6. Class 35.

Atlas Supply Company, Newark, N. J. Outboard motors. 514,766, Sept. 6; Serial No. 544,840, published May 31, 1949. Class 23.

Austin, Guy D., doing business as Guy D. Austin & Co., Miami, Fla. Agricultural insecticides. 514,965, Sept. 6; Serial No. 563,594. Class 6.

Austin, Guy D., & Co.: *See*—
Austin, Guy D.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Whiskey. 410,523, Nov. 28, 1944. Republished Sept. 6. Class 49.

Autocrat Inc., Dayton, Ohio. Loud speakers. 514,962, Sept. 6; Serial No. 554,204. Class 21.

Automatic Headlight Dimmer Corporation, Camden, N. J. Electronic control apparatus. 514,830, Sept. 6; Serial No. 550,776, published May 24, 1949. Class 21.

Ayerst, McKenna & Harrison Limited: *See*—
Det Danske Medicinal-& Kemikalie-Kompagni A/S.

B & P Company, The, Lakewood, Ohio. Face plasters for treating wrinkles. 514,821, Sept. 6; Serial No. 550,379, published May 31, 1949. Class 44.

B. V. D. Corporation, The, Baltimore, Md., and New York, N. Y. Clothing. 367,184, May 9, 1939. Republished Sept. 6. Class 39.

Baker, Howard Hamilton, to United Hamilton Products, Inc., Buffalo, N. Y. Chemical dehydrating preparations. 262,822, renewed Oct. 22, 1949. O. G. Sept. 6. Class 6.

Baker Paint & Varnish Co., Jersey City, N. J. Dry, paste, and ready-mixed paints and varnishes. 257,265, renewed June 4, 1949. O. G. Sept. 6. Class 16.

Beach Soap Company, assignee: *See*—
Mitchell Wing Company.

Bendel, Henri, Inc., New York, N. Y. Toilet water. 514,917, Sept. 6; Serial No. 563,895, published May 31, 1949. Class 6.

Bendel, Henri, Inc., New York, N. Y. Toilet water, perfume, and cologne. 514,918, Sept. 6; Serial No. 563,896, published May 31, 1949. Class 6.

Benjamin Air Rifle Company, St. Louis, Mo. Precision atomizing nozzles. 514,682, Sept. 6; Serial No. 528,186, published May 24, 1949. Class 13.

Benlow Limited, London, England. Pyrophoric lighters. 443,354, Sept. 6; Serial No. 523,512, published May 10, 1949. Class 8.

Bennett Design and Engineering Co., Washington, D. C. Ash trays. 514,793, Sept. 6; Serial No. 547,963, published May 17, 1949. Class 3.

Bergs, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Tongs, razors, common plane iron, etc. 208,290, Jan. 26, 1926. Republished Sept. 6. Class 23.

Bergs, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Saws, razors, shoemaker's knives, and other edged tools, etc. 315,576, July 31, 1934. Republished Sept. 6. Class 23.

Best & Co. Inc., New York, N. Y. Sweaters, sweater coats and vests, and hosiery. 253,968, Mar. 12, 1929. Republished Sept. 6. Class 39.

Best Foods, Inc., The: *See*—
Fanning Bread and Butter Pickle Company, Inc.

Bettermade Garment Company: *See*—
Schwarger, Morris.

Bishop, Howard B., doing business as Service Engineering Company, Summit, N. J. Waterproofing powder. 514,949, Sept. 6; Serial No. 521,497. Class 12.

Black Manufacturing Co., The, Seattle, Wash. Overalls, jumpers, play suits, etc. 263,090, renewed Nov. 12, 1949. O. G. Sept. 6. Class 39.

Block, B. E., & Bros., Norristown, Pa. Men's coats, pants, vests, etc. 514,969, Sept. 6; Serial No. 518,341, published Apr. 26, 1949. Class 39.

Bonat, Samuel, & Bro., New York, N. Y. Chemically treated pads for machineless permanent waving. 443,346, Sept. 6; Serial No. 515,933, published May 31, 1949. Class 44.

Bonck, J. H., Co., by J. H. Bonck Company, Inc., New Orleans, La. Dress shirts for men and boys. 278,168, Dec. 9, 1930. Republished Sept. 6. Class 39.

Bonck, J. H., Company, Inc.: *See*—
Bonck, J. H.

Bon Marche, The: *See*—
Allied Stores Corporation.

Boott Mills, Lowell, Mass. Motor robes, couch throws, and upholstery cloth. 514,740, Sept. 6; Serial No. 543,361, published May 17, 1949. Class 42.

Borden Company, The: *See*—
Monroe Cheese Company.

Borden Company, The, Jersey City, N. J., and New York, N. Y., to The Borden Company, New York, N. Y. Preparations of milk. 250,052, renewed July 23, 1949. O. G. Sept. 6. Class 46.

Borg-Warner Corporation, Chicago, Ill. Washing machines and parts thereof. 514,790, Sept. 6; Serial No. 546,933, published May 31, 1949. Class 24.

Bostwick Steel Lath Company, The, Niles, Ohio. Metal floor lath. 514,707, Sept. 6; Serial No. 534,736, published May 3, 1949. Class 12.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, now by change of name Botany Mills, Inc., by Botany Mills, Inc., Passaic, N. J. Wool detergent. 442,021, Feb. 8, 1949. Republished Sept. 6. Class 4.

Boudou, Gaston, London, England. Hair washes, hair preparations, and perfumes. 230,063, renewed July 12, 1947. O. G. Sept. 6. Class 6.

Breese Grain Co., Breese, Ill. Wheat flour, scratch grain, chick grain, etc. 260,019, Aug. 18, 1929. Republished Sept. 6. Class 46.

Brennan, Eugene B., Locust Valley, N. Y. External remedy. 514,963, Sept. 6; Serial No. 556,244. Class 6.

Bridgeport Brass Company, assignee: *See*—
Enterprise Industries.

Brown & Bigelow, St. Paul, Minn. Playing cards. 514,945, Sept. 6; Serial No. 503,548. Class 22.

Brown, Geo. D., & Son, Inc., Chelan Falls, Wash. Fresh apples. 441,612, Dec. 14, 1948. Republished Sept. 6. Class 46.

Buckeye Incubator Company, The, doing business as Newton Giant Incubator Co., to The Buckeye Incubator Company, Springfield, Ohio. Coal-burning brooder stoves. 256,068, renewed May 7, 1949. O. G. Sept. 6. Class 34.

Buckeye Incubator Company, The, doing business as The National Brooder Company, to The Buckeye Incubator Company, Springfield, Ohio. Brooders for chicks. 256,922, renewed May 28, 1949. O. G. Sept. 6. Class 50.

Buffington's, Incorporated, Worcester, Mass. Pharmaceutical preparation. 514,685, Sept. 6; Serial No. 529,591, published May 24, 1949. Class 6.

Bull Dog Electric Products Company, Detroit, Mich. Electrical panelboards. 514,802, Sept. 6; Serial No. 548,918, published May 31, 1949. Class 21.

Burgand Shirt Company, Incorporated, New Haven, Conn. Men's dress shirts and men's sport shirts. 514,786, Sept. 6; Serial No. 546,553, published May 3, 1949. Class 39.

Bussmann Manufacturing Company, by McGraw Electric Corporation, St. Louis, Mo. Electric fuses and cut-outs. 132,907, July 6, 1920. Republished Sept. 6. Class 21.

Bussmann Manufacturing Company, by McGraw Electric Corporation, St. Louis, Mo. Electric fuses and cut-outs. 135,207, Sept. 28, 1920. Republished Sept. 6. Class 21.

Byrne, J. P., & Sons, Co., Omaha, Nebr. Finger rings. 514,931, Sept. 6; Serial No. 565,687, published May 24, 1949. Class 28.

C-O-Two Fire Equipment Company: *See*—
CO_2 Fire Equipment Company.

CO_2 Fire Equipment Company, Los Angeles, Calif., to C-O-Two Fire Equipment Company, Newark, N. J. Automatic and manual fire-extinguishing systems and parts thereof. 256,790., renewed May 21, 1949. O. G. Sept. 6. Class 23.

Caballeros de Dimas-Alang, Inc., San Francisco, Calif. Books and periodicals. 514,941, Sept. 6; Serial No. 543,564, published Dec. 7, 1948. Class 38.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 514,822–3, Sept. 6; Serial Nos. 550,382–3, published May 10, 1949. Class 6.

Callaway Mills Company: *See*—
Rockweave Mills, Division Callaway Mills.

Cameo Fabrics, Inc., New York, N. Y. Woven fabric. 514,711, Sept. 6; Serial No. 536,045, published May 10, 1949. Class 42.

Cameo Fabrics, Inc., New York, N. Y. Woven textile fabrics. 514,712, Sept. 6; Serial No. 536,048, published May 10, 1949. Class 42.

Cameo Fabrics, Inc., New York, N. Y. Woven textile fabrics. 514,761, Sept. 6; Serial No. 544,151, published May 10, 1949. Class 42.

Cap-Cal-Ox Laboratory: *See*—
Regan, William H.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos and cement composition board. 514,873, Sept. 6; Serial No. 556,277, published May 10, 1949. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous plastic patching compositions. 514,874, Sept. 6; Serial No. 556,279, published May 17, 1949. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous mastic flooring composition. 514,875, Sept. 6; Serial No. 556,280, published May 24, 1949. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asphalt roll roofing and building paper. 514,876, Sept. 6; Serial No. 556,282, published May 24, 1949. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos cement shingles. 514,877, Sept. 6; Serial No. 556,483, published May 17, 1949. Class 12.

Carl-Mann Cloak Co., The, Kansas City, Mo. Ladies' cloaks and suits. 514,815, Sept. 6; Serial No. 549,863, published May 10, 1949. Class 39.

Carlson Tool and Machine Company, Geneva, Ill. Machines for making and machines for trimming all classes of household, personal, and industrial brushes. 514,756, Sept. 6; Serial No. 543,883, published May 24, 1949. Class 23.

Carolene Products Company, Litchfield, Ill. Compound of nut oils and evaporated skimmed milk. 355,342, Jan. 4, 1938. Canceled. O. G. Sept. 6. Class 46.

Carolene Products Company, Litchfield, Ill. Combination of evaporated skimmed milk and vegetable oil. 389,608, Aug. 12, 1941. Canceled. O. G. Sept. 6. Class 46.

Carpinteria Lemon Association: *See*—
Hubbard, C. D., Fruit Co.

Carr, Adams & Collier Company, Dubuque, Iowa. Fabricated woodwork. 514,774, Sept. 6; Serial No. 545,575, published May 10, 1949. Class 12.

Carroll, Anna L. S., New York, N. Y. Aprons. 514,832, Sept. 6; Serial No. 551,228, published May 3, 1949. Class 39.

Carter Dry Goods Company, Louisville, Ky. Sheeting, sheets, pillow cases, etc. 514,896, Sept. 6; Serial No. 560,317, published May 10, 1949. Class 42.

Carver, Fred S., Inc., New York, N. Y. Hydraulic presses, hydraulic accumulators, hydraulic pumps, etc. 514,666, Sept. 6; Serial No. 516,670, published May 24, 1949. Class 23.

Casey-Aiken Pharmaceuticals, assignor to R. C. Aikens, doing business as Casey-Aikens Pharmaceuticals, Kansas City, Mo. Fungicidal solution. 514,863, Sept. 6; Serial No. 554,364, published May 31, 1949. Class 6.

Cast-Crete Products: *See*—
Castor, Louis M.

Castor, Louis M., doing business as Cast-Crete Products, San Angelo, Tex. Concrete products. 443,357, Sept. 6; Serial No. 524,522, published May 24, 1949. Class 12.

Ceco Steel Products Corporation, Chicago, Ill. Metal screen cloth, hardware cloth, window lifts, etc. 514,757, Sept. 6; Serial No. 543,886, published May 31, 1949. Class 13.

Celotex Corporation, The, Chicago, Ill. Construction elements of composite structure. 514,719, Sept. 6; Serial No. 537,561, published May 3, 1949. Class 12.

Central Industries, Inc., Watertown, Conn. Power-driven bench material working tools. 514,956, Sept. 6; Serial No. 508,573, published May 24, 1949. Class 23.

Central Soya Company, Inc.: *See*—
Knight, Arthur C.

Century Precision Works, Inc., New York, N. Y. Electric irons. 443,359, Sept. 6; Serial No. 525,544, published May 24, 1949. Class 21.

Chatham Manufacturing Company, Elkin, N. C. Blankets. 514,936, Sept. 6; Serial No. 567,957, published May 17, 1949. Class 42.

Cherry Rivet Company, Los Angeles, Calif. Rivets. 514,742, Sept. 6; Serial No. 542,083, published May 24, 1949. Class 13.

Chicago Cardboard Company, Chicago, Ill. Cardboard, mat board, art poster board, etc. 222,548, Jan. 4, 1927. Republished Sept. 6. Class 37.

Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric laundry washers. 514,635, Sept. 6; Serial No. 551,527, published May 31, 1949. Class 24.

Chocolate Products Company, Chicago, Ill. Nonalcoholic, maltless beverages, etc. 284,111, June 16, 1931. Republished Sept. 6. Class 45.

Cincinnati Tool Company, The, Norwood, Ohio. Carpenter's clamps. 514,783, Sept. 6; Serial No. 546,079, published May 31, 1949. Class 23.

Clark & Clark Co., Wenonah, N. J. Tablets for the relief of dysmenorrhea, etc. 514,925, Sept. 6; Serial No. 565,116, published May 31, 1949. Class 6.

Clark & Clark Co., Wenonah, N. J. Tablets, powders, and chewing gum. 514,926, Sept. 6; Serial No. 565,117, published May 31, 1949. Class 6.

Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. 514,705, Sept. 6; Serial No. 534,603, published May 17, 1949. Class 46.

Cleman, Donald V., Seattle, Wash. Dentures and denture attachments for locating purposes. 514,855, Sept. 6; Serial No. 553,166, published May 31, 1949. Class 44.

Cleveland Flux Company, The, Cleveland, Ohio. Mineral fluxes. 146,072, Aug. 30, 1923. Republished Sept. 6. Class 6.

Cleveland Heater Company, The, Cleveland, Ohio. Metallic fittings and alloys. 514,954, Sept. 6; Serial No. 503,283, published May 24, 1949. Class 21.

Clinical Products Limited, Richmond, Surrey, England. Ointment for human use. 514,880, Sept. 6; Serial No. 557,502, published May 31, 1949. Class 6.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. 514,826, Sept. 6; Serial No. 550,670, published May 10, 1949. Class 42.

Cochin, J. D., Manufacturing Co.: *See*—
Cochin, John D.

Cochin, John D., doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif. Automobile service equipment. 514,668, Sept. 6; Serial No. 517,619, published May 31, 1949. Class 23.

Cohan & Roth, Incorporated, New York, N. Y. Neckties, cravats, and scarfs. 443,342, Sept. 6; Serial No. 507,375, published May 3, 1949. Class 39.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Envelopes. 368,429, June 20, 1939. Republished Sept. 6. Class 37.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 263,830, renewed Nov. 12, 1949. O. G. Sept. 6. Class 4.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 263,860, renewed Nov. 12, 1949. O. G. Sept. 6. Class 4.

College Heights Orange & Lemon Association, Claremont, Calif. Fresh citrus fruits. 236,471, Dec. 13, 1927. Republished Sept. 6. Class 46.

College Heights Orange & Lemon Association, Claremont, Calif. Fresh citrus fruits. 236,662, Dec. 20, 1927. Republished Sept. 6. Class 46.

Collette Manufacturing Company, Amsterdam, N. Y. Metallic clamping patches. 74,198, re-renewed June 22, 1949. O. G. Sept. 6. Class 13.

Collins Radio Company, Cedar Rapids, Iowa. Radio signalling and control apparatus. 514,942, Sept. 6; Serial No. 491,234. Class 21.

Colostom-Ease, Inc., Pittsburgh, Pa. Device for protecting the umbilicus. 514,886, Sept. 6; Serial No. 558,550, published May 31, 1949. Class 44.

Colton Fruit Exchange, by S. S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrus fruits. 219,835, Oct. 26, 1926. Republished Sept. 6. Class 46.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper and typewriter ribbons. 514,913, Sept. 6; Serial No. 563,111, published May 31, 1949. Class 11.

Comoy, H., & Co., Limited, London, England. Tobacco pipes, cigar and cigarette holders, tobacco pouches, etc. 514,776–7, Sept. 6; Serial Nos. 545,717–8, published May 31, 1949. Class 8.

Comoy, H., & Co., Limited, London, England. Tobacco pipes. 514,778, Sept. 6; Serial No. 545,719, published May 31, 1949. Class 8.

Compo Shoe Machinery Corporation, Boston, Mass. Chemical preparation. 514,765, Sept. 6; Serial No. 544,675, published May 17, 1949. Class 6.

Concord Silversmiths, Inc., Concord, N. H., by The Elmore Silver Co., Inc., Meriden, Conn. Articles made of silver. 299,390, Dec. 6, 1932. Republished Sept. 6. Classes 8 and 28.

Concrete Engineers Company, Glendale, Calif. Concrete structures. 514,676, Sept. 6; Serial No. 526,686, published May 17, 1949. Class 12.

Con-Ferro Paint & Varnish Company: *See*—
Con-Ferro Paint and Varnish Co., The.

Con-Ferro Paint and Varnish Co., The, to Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Paint enamel, floor enamel, ready-mixed house paint, etc. 262,821, renewed Oct. 22, 1949. O. G. Sept. 6. Class 16.

Consolidated Cosmetics: *See*—
Anderson, Hunter.
Associated Distributors.
Terrell, George B.

Consolidated Orange Growers: *See*—
McPherson Heights Citrus Association.
Red Fox Orchards.

Continental Corporation, Chicago, Ill. Phonographs, records, phonograph needles, and phonograph parts. 256,606, renewed May 21, 1949. O. G. Sept. 6. Class 36.

Continental Mills: *See*—
Knight, Arthur C.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lenses. 514,704, Sept. 6; Serial No. 534,416, published May 10, 1949. Class 26.

Cooper, William, & Nephews, Incorporated, Chicago, Ill. Stock dip. 435,092, Dec. 9, 1947. Canceled. O. G. Sept. 6. Class 6.

Cooper's, Incorporated, Kenosha, Wis. Men's underwear. 392,120, Dec. 9, 1941. Republished Sept. 6. Class 39.

Corn Products Refining Company, New York, N. Y. Corn starch for adhesive purposes. 514,858, Sept. 6; Serial No. 553,465, published Mar. 8, 1949. Class 5.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 414,705, June 26, 1945. Republished Sept. 6. Classes 2 and 28.

Cory Corporation, Chicago, Ill. Electric stoves. 509,301, May 3, 1949. Corrected. O. G. Sept. 6. Class 21.

Countess Marikia Cosmetic Co., Inc.: *See*—
Paris Laboratories, Inc.

Cowles Chemical Company: *See*—
Cowles Detergent Company, The.
Mitchell Wing Company.

Cowles Detergent Company, The, to Cowles Chemical Company, Cleveland, Ohio. Soluble chemical compounds. 263,834, renewed Nov. 12, 1949. O. G. Sept. 6. Class 4.

Cowles Magazines, Inc.: *See*—
Look Incorporated.
Register & Tribune Company, The.

Craig, A. F., & Company Limited: *See*—
Aitken, Hugh W.

Crawford Manufacturing Co., Inc., Richmond, Va. Slip cover material, awning fabrics, and coated and uncoated canvas fabrics. 514,795, Sept. 6; Serial No. 548,238, published May 17, 1949. Class 42.

Crest Fabrics Corp, New York, N. Y. Textile fabrics in the piece. 514,801, Sept. 6; Serial No. 554,012, published May 10, 1949. Class 42.

Cresta Blanca Wine Company, Livermore and San Francisco, Calif., by Cresta Blanca Wine Company, Inc., assignor to Schenley Distillers Corporation. Wines. 353,436, Mar. 24, 1936. Republished Sept. 6. Class 47.

Cresta Blanca Wine Company, Inc.: *See*—
Cresta Blanca Wine Company.

Cretors, C., & Co., Chicago, Ill. Pop corn machines. 514,780, Sept. 6; Serial No. 545,960, published May 31, 1949. Class 23.

Cribbes and Sexton Company, Chicago, Ill. Broiler pans. 514,839, Sept. 6; Serial No. 551,696, published May 24, 1949. Class 13.

Crown Chemical Company, The, by Theodore R. Ganger, doing business as The Crown Chemical Company, Cleveland, Ohio. All-purpose cleaner. 422,766, Aug. 13, 1946. Republished Sept. 6. Class 4.

Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.

Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 514,649, Sept. 6; Serial No. 488,688, published Apr. 26, 1949. Class 37.

Cudahy Packing Company, The, Chicago, Ill. Lard. 263,309, renewed Nov. 5, 1949. O. G. Sept. 6. Class 46.

Curtis, Helene, Industries, Inc., Chicago, Ill. Permanent hair waving appliances and attachments therefor. 514,679, Sept. 6; Serial No. 528,113, published May 31, 1949. Class 44.

Custom House Packing Company, Monterey, Calif. Canned fish. 514,720, Sept. 6; Serial No. 537,664, published May 17, 1949. Class 46.

Custom House Packing Company, Monterey, Calif. Canned fish. 514,721, Sept. 6; Serial No. 537,666, published May 17, 1949. Class 46.

D & E Dental Instrument Company, Inc., New York, N. Y. Diamond points and disks in dental work. 514,709, Sept. 6; Serial No. 535,824, published May 31, 1949. Class 44.

Dainty Dot Hosiery: *See*—
Levin Brothers.

Damus, Shibil S.: *See*—
Colton Fruit Exchange.

Dan River Mills, Incorporated, Danville, Va. Corded cotton fabric in the piece. 514,889, Sept. 6; Serial No. 539,214, published May 24, 1949. Class 42.

Davis & Geck, Inc., Brooklyn, N. Y. Suture or traction dressing. 514,906, Sept. 6; Serial No. 562,030, published May 31, 1949. Class 44.

Davis, Thomas A., doing business as Fresh Orange Juice Company, by E. L. Djal, Dallas, Tex. Fresh fruit juice concentrates. 366,922, May 17, 1938. Republished Sept. 6. Class 45.

Davison Chemical Corporation, The, Baltimore, Md. Car body undercoating and sound deadener in the nature of paint. 442,512, Apr. 19, 1949. Republished Sept. 6. Class 16.

Dell Products: *See*—
Holtz, Irene L.

Dent-Lyke Co.: *See*—
Kempster, George A.

Det Danske Medicinal- & Kemikalie- Kompagni A/S, Copenhagen, Denmark, assignor to Ayerst, McKenna & Harrison Limited, New York, N. Y. Medicinal preparation. 514,888, Sept. 6; Serial No. 559,141, published Mar. 22, 1949. Class 6.

De Witt Grocery Company, Brattleboro, Vt. Maple sirup, pastry flour, and mincemeat. 237,555, Jan. 10, 1928. Republished Sept. 6. Class 46.

Dextora Company: *See*—
Four Roses Malt Extract Company.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Dial, Edward L.: *See*—
Davis, Thomas A.

Diamond Chain Company, Inc., Indianapolis, Ind. Power transmission chains and parts thereof. 514,675, Sept. 6; Serial No. 526,529, published May 31, 1949. Class 23.

Dill Manufacturing Company, The, Cleveland, Ohio. Two-part threaded blind rivets. 514,687, Sept. 6; Serial No. 529,972, published May 31, 1949. Class 13.

Dings Magnetic Separator Co., Milwaukee, Wis. Magnets and magnetic pulleys. 514,775, Sept. 6; Serial No. 545,623, published May 17, 1949. Class 21.

Distillation Products, Inc., Wilmington, Del., Rochester, N. Y. Monoesters of polyhydric alcohols. 514,909, Sept. 6; Serial No. 562,547, published May 24, 1949. Class 6.

Dobbs & Co., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Canes and umbrellas. 279,378, Jan. 13, 1931. Republished Sept. 6. Class 41.

Dobson, Paul A., Exeter, Calif. Fresh grapes. 443,255, Sept. 6; Serial No. 523,771, published Apr. 19, 1949. Class 46.

Doray Lamp Co., Inc., Chicago, Ill. Electric signal lamps. 332,727, Feb. 25, 1936. Republished Sept. 6. Class 21.

Doray Lamp Co., Inc., Chicago, Ill. Electric lamps, and reflectors therefor. 334,624, May 12, 1936. Republished Sept. 6. Class 21.

Doray Lamp Co., Inc., Chicago, Ill. Automobile safety reflecting signal lenses. 340,418, Nov. 10, 1936. Republished Sept. 6. Class 19.

Double Woven Corporation of America, Dunmore, Pa., and Brooklyn, N. Y. Textile fabrics in the piece. 514,935, Sept. 6; Serial No. 567,835, published May 10, 1949. Class 42.

Dow Corning Corporation, Midland, Mich. Pot holders. 514,762, Sept. 6; Serial No. 544,257, published May 10, 1949. Class 42.

Drambuie Liqueur Company Limited: *See*—
Drambuie Liqueur Coy 1927 Limited, The.

Drambuie Liqueur Company Limited, The: *See*—
McKesson & Robbins, Inc.

Drambuie Liqueur Coy 1927 Limited, The, by Drambuie Liqueur Company Limited, Edinburgh, Scotland. Distilled alcoholic liqueur. 303,089, May 9, 1933. Republished Sept. 6. Class 49.

Draper Canning Company, The, Milton, Del. Canned soybeans, asparagus, and peas. 405,216, Jan. 11, 1944. Republished Sept. 6. Class 46.

Drilo Corporation, Pittsburgh, Pa. Speed reducing attachment for power-driven hand tools. 443,351, Sept. 6; Serial No. 521,002, published May 24, 1949. Class 23.

Driver, Wilbur B., Company, Newark, N. J. Round and flat wire. 514,857, Sept. 6; Serial No. 553,352, published May 31, 1949. Class 21.

Duncan Coffee Company, Houston, Tex. Coffee. 514,713, Sept. 6; Serial No. 536,062, published May 17, 1949. Class 46.

Dungan, Hood & Co., Inc., Philadelphia, Pa. Leather. 137,586, Nov. 30, 1920. Republished Sept. 6. Class 1.

Dunwody, R. G., & Sons, Inc.: *See*—
Dunwody, Richard G.

Dunwody, Richard G., by R. G. Dunwody & Sons, Inc., Atlanta, Ga. Compound for use in treating coughs, colds, etc. 142,990, May 24, 1921. Republished Sept. 6. Class 6.

Duotone Company, Inc., New York, N. Y. Electrical sound recording machines, electrically controlled phonograph turntables, etc. 514,845, Sept. 6; Serial No. 552,044, published May 24, 1949. Class 21.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company.

Dusharme Products, Inc., Minneapolis, Minn. Hair dressings. 514,740, Sept. 6; Serial No. 542,016, published May 24, 1949. Class 6.

Dutchess Underwear Co., New York, N. Y. Women's and misses' chemises, negligees, etc. 349,565, Aug. 31, 1937. Corrected. O. G. Sept. 6. Class 39.

Eastern Corporation: *See*—
Katahdin Pulp and Paper Company.

Edison Illuminating Company, The, assignee: *See*—
Novle & Harris.

Edwards, Gean, Manufacturing Company, Milwaukee, Wis. Water and wind repellant jackets, for men and boys. 443,348, Sept. 6; Serial No. 517,047, published Nov. 9, 1948. Class 39.

Edwards, J., & Company, Inc., Philadelphia, Pa. Infants', children's, growing girls', women's, misses', and men's and boys', shoes. 262,966, renewed Oct. 29, 1949. O. G. Sept. 6. Class 39.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts and boys' blouses. 263,392, renewed Nov. 5, 1949. O. G. Sept. 6. Class 39.

Elgin National Watch Company, Chicago, to Elgin National Watch Company, Elgin, Ill. Watches. 256,570, renewed May 21, 1949. O. G. Sept. 6. Class 27.

Ellmore Silver Co., Inc., The: *See*—
Concord Silversmiths, Inc.

Ely & Walker Dry Goods Company, St. Louis, Mo. Children's wear. 514,651, Sept. 6; Serial No. 498,215, published May 3, 1949. Class 39.

Emerson Shoe Manufacturing Company, Rockland, Mass. Shoes of leather, etc. 250,980, Oct. 19, 1926. Amended. O. G. Sept. 6, 1949. Class 39.

Enterprise Industries, New York, N. Y., assignor, by mesne assignments, to Bridgeport Brass Company, Bridgeport, Conn. Filled and unfilled canister-type bombs. 443,336, Sept. 6; Serial No. 499,318, published May 31, 1949. Class 23.

Eskilstuna Jernmanufaktur Aktiebolag, Eskilstuna, Sweden. Skates. 256,989, renewed May 28, 1949. O. G. Sept. 6. Class 22.

Estep, William, Chicago, Ill. Exercising goggles. 514,763, Sept. 6; Serial No. 544,258, published May 17, 1949. Class 26.

Everlasting Valve Company, Jersey City, N. J. Valves. 514,834, Sept. 6; Serial No. 551,875, published May 31, 1949. Class 13.

Expello Corporation, The, to Judson Dunaway Corporation, Dover, N. H. Moth and moth larvae killer. 245,912, renewed Aug. 28, 1948. O. G. Sept. 6. Class 6.

Fanning Bread and Butter Pickle Company, Inc., to The Best Foods, Inc., New York, N. Y. Pickles. 262,431, renewed Oct. 8, 1949. O. G. Sept. 6. Class 46.

Fassett & Company, Tacoma, Wash. Canned fruits, canned berries, and canned vegetables. 264,103, renewed Nov. 19, 1949. O. G. Sept. 6. Class 46.

Feedwaters, Inc.: *See*—
Algin Products Corporation.

Federal Sweets & Biscuit Co., Inc.: *See*—
Federal Sweets & Wafer Co., Inc.

Federal Sweets & Wafer Co., Inc., Brooklyn, N. Y., by Federal Sweets & Biscuit Co., Inc., Clifton, N. J. Candy, marshmallows, sugar wafers, and macaroons. 319,430, Nov. 27, 1934. Republished Sept. 6. Class 46.

Fels & Company: *See*—
United States Feldspar Corporation.

Felters Company, The, Boston, Mass. Vibration absorbing materials. 514,852, Sept. 6; Serial No. 499,490, published May 10, 1949. Class 12.

Fertig, Max, Sons, Inc., New York, N. Y. Cotton sheets, and pillow cases. 320,911, Jan. 15, 1935. Canceled. O. G. Sept. 6. Class 42.

Fielding, Hodney, Inc., New York, N. Y. Cotton fabrics for shirts. 514,809, Sept. 6; Serial No. 549,754, published May 10, 1949. Class 42.

Firmenich & Co., Geneva, Switzerland. Synthetical and artificial perfumes. 514,831, Sept. 6; Serial No. 550,801, published May 3, 1949. Class 6.

Firth Sterling Steel & Carbide Corp.: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, to Firth Sterling Steel & Carbide Corp., McKeesport, Pa. Steel products. 258,045, renewed June 25, 1949. O. G. Sept. 6. Class 14.

Fischer, B., & Co., Inc., New York, N. Y. Coffee. 514,715, Sept. 6; Serial No. 536,886, published May 17, 1949. Class 46.

Fischer, B., & Co., Inc., New York, N. Y. Coffee. 514,716, Sept. 6; Serial No. 536,888, published May 17, 1949. Class 46.

Fishman, H., & Son, Philadelphia, Pa. Men's outer shirts. 443,349, Sept. 6; Serial No. 518,883, published May 3, 1949. Class 39.

Fitler, Edwin H., Co., The, Philadelphia, Pa. Rope, hide rope, hay rope, etc. 257,457, renewed June 11, 1949. O. G. Sept. 6. Class 7.

Flamhaft, Harry, doing business as Roubeches Import Co., by A. F. Anderson, New York, N. Y. Natural and synthetic oils. 252,730, Feb. 12, 1929. Republished Sept. 6, 1949. Class 6.

Fletcher, Sol., Inc., New York, N. Y. Woolen fabrics in the piece. 514,804, Sept. 6; Serial No. 549,356, published May 10, 1949. Class 42.

Flickinger, S. M., Co., Inc., Buffalo, N. Y. Butter and eggs. 303,656, June 6, 1933. Republished Sept. 6. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Imitation maple-flavor base for food flavors. 258,874, July 16, 1949. Republished Sept. 6. Class 46.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing and detergent materials. 261,342–3, renewed Sept. 17, 1949. O. G. Sept. 6. Class 4.

Ford Meter Box Company, Inc., The, Wabash, Ind. Water meter couplings. 514,848–9, Sept. 6; Serial Nos. 552,137–8, published May 31, 1949. Class 13.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 254,458, Mar. 26, 1929. Republished Sept. 6. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 257,469, renewed June 11, 1949. O. G. Sept. 6. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 258,137, renewed June 25, 1949. O. G. Sept. 6. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 260,621, renewed Aug. 27, 1949. O. G. Sept. 6. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 260,623, renewed Aug. 27, 1949. O. G. Sept. 6. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Forstmann Woolen Company: *See*—
Forstmann & Huffmann Company.

Foster, Benjamin, Company, Philadelphia, Pa. Asphaltic and bituminous compounds and refractory cements. 252,174, Nov. 23, 1937. Republished Sept. 6. Class 12.

Foster, Benjamin, Company, Philadelphia, Pa. Asphaltic and bituminous compounds. 352,269, Nov. 23, 1937. Republished Sept. 6. Class 12.

Four Roses Malt Extract Company, doing business as Wizard Malt Extract Co., Cincinnati, Ohio, by Dextora Company, Indianapolis, Ind. Malt syrups. 256,108, May 7, 1929. Republished Sept. 6. Class 46.

Fox, Victor S., New York, N. Y. Periodical publication. 371,155, Sept. 19, 1939. Canceled. O. G. Sept. 6. Class 38.

Free Sewing Machine Co., Rockford, Ill. Sewing machines and attachments. 514,751–2, Sept. 6; Serial Nos. 543,598–6, published May 24, 1949. Class 23.

Fremont Mills, The: *See*—
Nebraska Consolidated Mills Company.

Fresh Orange Juice Company: *See*—
Davis, Thomas A.

Frick Company, Inc., Waynesboro, Pa. Farm machinery. 514,674, Sept. 6; Serial No. 524,450, published May 31, 1949. Class 28.

Frieder, S., & Sons Company, The: *See*—
Garcia Grande Cigars, Incorporated.

Ganger, Theodore R.: *See*—
Crown Chemical Company.

Gantner & Mattern Company, San Francisco, Calif. Men's and women's swim suits and trunks. 443,238, Sept. 6; Serial No. 504,830, published Apr. 19, 1949. Class 39.

Garcia Grande Cigars, Incorporated, New York, N. Y., by The S. Frieder & Sons Company, Philadelphia, Pa. Cigars. 305,603, Aug. 22, 1933. Republished Sept. 6. Class 17.

Geigy Company, Inc.: *See*—
Aniline Color and Extract Works.

Geigy, John R.: *See*—
Aniline Color and Extract Works.

General Cable Corporation, New York, N. Y. Insulated electrical conductors. 514,779, Sept. 6; Serial No. 545,736, published May 17, 1949. Class 21.

General Cellulose Company, Inc., The, Westfield, N. J. Absorbent cellulose paper. 319,037, Nov. 13, 1934. Republished Sept. 6. Class 37.

General Detroit Corp., The, Detroit, Mich. Portable fire extinguishers. 514,672, Sept. 6; Serial No. 523,260, published May 24, 1949. Class 23.

General Dry Batteries, Inc., Lakewood, Ohio. Dry batteries. 514,833, Sept. 6; Serial No. 551,268, published May 24, 1949. Class 21.

General Fluid Machinery Co., Inc., Huntsville, Ala. Hydraulic jacks. 514,698, Sept. 6; Serial No. 533,724, published May 31, 1949. Class 23.

General Time Corporation: *See*—
General Time Instruments Corporation.

General Time Instruments Corporation, New York, N. Y., and Thomaston, Conn., now by change of name General Time Corporation. Clocks. 514,897, Sept. 6; Serial No. 560,331, published May 10, 1949. Class 27.

General Tire & Rubber Company, The, Akron, Ohio. Storage batteries. 514,816, Sept. 6; Serial No. 549,920, published May 24, 1949. Class 21.

Genii Incorporated, St. Paul, Minn. Ingredients and apparatus for giving "permanent waves." 514,900, Sept. 6; Serial No. 561,001, published May 31, 1949. Class 44.

Getz, William, Corporation, The, Chicago, Ill. Metal for making dental inlays and castings, and also investments, liquids, painting investments, etc. 514,724, Sept. 6; Serial No. 538,278, published May 31, 1949. Class 44.

Gill, A. C., and Cleaver Limited, Nottingham, England. Hair nets. 514,841, Sept. 6; Serial No. 551,794, published May 10, 1949. Class 39.

Glen Rossie Distillers, Ltd.: *See*—
Southard & Co. Limited.

Gold Medal Haarlem Oil Corporation, Jersey City, N. J. Haarlem oil. 514,728, Sept. 6; Serial No. 539,312, published May 17, 1949. Class 6.

Goldmark, Adolph, & Sons, Corp., New York, N. Y. Canned sardines. 264,012, renewed Nov. 12, 1949. O. G. Sept. 6. Class 46.

Grand Calliou Packing Co. Inc., Houma, La. Canned shrimp, canned oysters, canned vegetables. 222,992, Jan. 11, 1927. Republished Sept. 6. Class 46.

Grasselli Chemical Company, The, Cleveland, Ohio, by E. I. du Pont de Nemours and Company, Wilmington, Del. Insecticides and fungicides. 261,768, Sept. 24, 1929. Republished Sept. 6. Class 6.

Great Western Cereal Company, The, Jersey City, N. J., and Chicago, Ill., to The Quaker Oats Company, Chicago, Ill. Corn meal, pearled hominy, and hominy grits. 75,622, re-renewed Oct. 26, 1949. O. G. Sept. 6. Class 46.

Greenlee Bros. & Co., Rockford, Ill. Metal working machinery, woodworking machinery, woodworking tools, etc. 514,729–30, Sept. 6; Serial Nos. 539,869–70, published May 31, 1949. Class 23.

Greenwald, Alex, doing business as Pearl-Art Sportswear, Los Angeles, Calif. Women's sport clothes. 514,665, Sept. 6; Serial No. 515,660, published Apr. 26, 1949. Class 39.

Grumbacher, M., Inc., New York, N. Y. Artists' brushes. 514,758, Sept. 6; Serial No. 544,082, published May 24, 1949. Class 29.

Gutschneider, Jack, Jewelry Co., Inc., New York, N. Y. Watches and watch dials. 514,960, Sept. 6; Serial No. 548,967. Class 27.

Haloid Company, The, Rochester, N. Y. Photographic print washers. 514,946, Sept. 6; Serial No. 509,984. Class 26.

Hampden Color and Chemical Company, Springfield, Mass. Acids, alkalies, phosphates, etc. 514,697, Sept. 6; Serial No. 533,564, published May 31, 1949. Class 6.

Harding, Milo, Company, Los Angeles, Calif. Ink and ink pads. 514,911, Sept. 6; Serial No. 562,653, published May 31, 1949. Class 11.

Harrington, Russell, Cutlery Company, Southbridge, Mass. Hand edge cutting tools. 443,353, Sept. 6; Serial No. 523,283, published May 31, 1949. Class 23.

Hart-Carter Company, Minneapolis, Minn. Grain separating and cleaning machines. 514,796, Sept. 6; Serial No. 546,585, published May 31, 1949. Class 23.

Harvey & Company Limited, St. Johns, Newfoundland. Fresh frozen, and smoked fillet of cod; iced and frozen salmon, frozen smelts; etc. 257,664, renewed June 18, 1949. O. G. Sept. 6. Class 46.

Hat Corporation of America: *See*—
Dobbs & Co.

Hathaway, C. F., Co., Waterville, Maine. Men's outer shirts. 514,760, Sept. 6; Serial No. 533,890, published Apr. 19, 1949. Class 39.

Hearst Corporation, The: *See*—
Star Company.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon page and/or strip. 442,500, Apr. 19, 1949. Republished Sept. 6. Class 38.

Highland Fruit Growers Association, Highland, Calif. Fresh citrus fruits. 215,184, July 13, 1926. Republished Sept. 6. Class 46.

Highland Fruit Growers Association, Highland, Calif. Fresh citrus fruits. 228,746, June 7, 1927. Republished Sept. 6. Class 46.

Highland Shoe Co., Inc., The, Akron, Pa. Boots and shoes. 262,931, renewed Oct. 29, 1949. O. G. Sept. 6. Class 39.

Hills Brothers Company, The, New York, N. Y. Candied citron and candied lemon and orange peel. 262,233, renewed Oct. 1, 1949. O. G. Sept. 6. Class 46.

Hollingshead, R. M., Co., The, by R. M. Hollingshead Corporation, Camden, N. J. Preparations for cleaning radiators and motor cooling systems and drain pipes, preparations for fire extinguishers, insecticides, and disinfectants, etc. 221,399, Nov. 30, 1926. Republished Sept. 6. Class 6.

Hollingshead, R. M., Co., The, by R. M. Hollingshead Corporation, Camden, N. J. Japan iron-enamel, touch up enamel, ready-mixed liquid tire cover paint, etc. 223,655, Apr. 23, 1935. Republished Sept. 6. Class 16.

Hollingshead, R. M., Corporation: *See*—
Hollingshead, R. M., Co., The.

Hollostone Company, Inc., North Hollywood, Calif. Concrete blocks. 514,954, Sept. 6; Serial No. 529,898. Class 19.

Hollywood Cosmetics Co.: *See*—
Pacini, Anna.

Holmes Eureka Lumber Company, Eureka and San Francisco, Calif. Lumber and millwork. 514,785, Sept. 6; Serial No. 546,299, published May 17, 1949. Class 12.

Holtz, Irene L., doing business as Dell Products, Plainfield, N. J. Antiseptic mouthwash. 514,902, Sept. 6; Serial No. 561,239, published May 31, 1949. Class 6.

Horlicks Corporation: *See*—
Horlick's Malted Milk Corporation.

Horlick's Malted Milk Corporation, by Horlicks Corporation, Racine, Wis. Chocolate flavored preparation in powdered form. 390,003, Sept. 2, 1941. Republished Sept. 6. Class 46.

Horton Manufacturing Company, Fort Wayne, Ind. Washing machines and ironing machines. 514,764, Sept. 6; Serial No. 544,449, published May 17, 1949. Class 24.

House Beautiful Curtains, Inc., New York, N. Y. Window and shower curtains. 514,914, Sept. 6; Serial No. 563,251, published May 17, 1949. Class 42.

Hubbard, C. D., Fruit Co., by Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 210,004–5, Mar. 9, 1926. Republished Sept. 6. Class 46.

Hubbard, C. D., Fruit Co., by Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 212,998, May 18, 1926. Republished Sept. 6. Class 46.

Hubbard, C. D., Fruit Co., by Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 213,060, May 18, 1926. Republished Sept. 6. Class 46.

Hubbard, C. D., Fruit Co., by Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. 231,418, Nov. 30, 1926. Republished Sept. 6. Class 46.

Hudor Co., The, Buffalo, N. Y. Nonalcoholic, noncereal, maltless beverage, etc. 388,443, June 24, 1941. Canceled. O. G. Sept. 6. Class 45.

Hudson, John J., by The Sal-Fata Co., Inc., Baltimore, Md. Medicinal preparation. 140,145, Mar. 8, 1921. Republished Sept. 6. Class 6.

Illinois Tool Works, Chicago, Ill. Thread cutting screws, locking screws, assembled screws, and washers, etc. 514,709, Sept. 6; Serial No. 534,634, published May 24, 1949. Class 13.

Imco Manufacturing Corporation, The, New York, N. Y. Pyrophoric lighters, flint, wicks. 514,718, Sept. 6; Serial No. 537,316, published May 17, 1949. Class 8.

Industrial Tape Corporation, North Brunswick Township, N. J. Pressure-sensitive adhesive tapes. 442,489, Apr. 19, 1949. Republished Sept. 6. Class 5.

Insul-Wool Insulation Corporation, Wichita, Kans. Thermal insulating material. 514,951, Sept. 6; Serial No. 522,485. Class 12.

Interchemical Corporation, New York, N. Y. Dyestuffs and dyestuff printing pastes. 514,894, Sept. 6; Serial No. 560,023, published May 31, 1949. Class 6.

Interchemical Corporation, New York, N. Y. Typewriter ribbon and carbon paper. 514,916, Sept. 6; Serial No. 563,740, published May 31, 1949. Class 11.

International Chemical Workers Union, Akron, Ohio. Chemicals and chemical products. 514,940, Sept. 6; Serial No. 537,044, published May 24, 1949. Class 6.

International Pulverizing Company, by The Micronizer Company, Moorestown, N. J. Pulverized clays. 389,442, July 25, 1939. Republished Sept. 6. Class 1.

International Pulverizing Corp., assignee: *See*—
Whittaker Micronizing Corporation.

International Pulverizing Corporation, Camden, by The Micronizer Company, Moorestown, N. J. Pulverized oxygen salts. 320,316, Dec. 26, 1934. Republished Sept. 6. Class 6.

International Pulverizing Corporation, Camden, by The Micronizer Company, Moorestown, N. J. Pulverized carbons. 323,734, Apr. 30, 1935. Republished Sept. 6. Class 1.

International Pulverizing Corporation, Camden, by The Micronizer Company, Moorestown, N. J. Calomel and sulfathiazole, medicaments used as local anesthetics, spermaticides, parasiticides, etc. 417,109, Oct. 16, 1945. Republished Sept. 6. Class 6.

International Silver Company, The, Meriden, Conn. Silver-plated flat-ware. 514,923, Sept. 6; Serial No. 564,997, published May 24, 1949. Class 28.

Irvington Varnish & Insulator Company, Irvington, N. J. Electrical insulation material. 514,797, Sept. 6; Serial No. 548,374, published May 31, 1949. Class 21.

Isolantite Company of America, Inc., Belleville, now by change of name Isolantite, Inc., by F. J. Stevens, Stirling, N. J. Ceramic insulators. 285,224, July 21, 1931. Republished Sept. 6. Class 21.

Isolantite, Inc.: *See*—
Isolantite Company of America, Inc.

Isolantite Inc., Belleville, by F. J. Stevens, Stirling, N. J. Ceramics of the nature of porcelain. 374,886, Jan. 30, 1940. Republished Sept. 6. Class 21.

J. G. Comfort Company, New York, N. Y. Comforts, blankets, bedspreads, etc. 328,609, Oct. 1, 1935. Republished Sept. 6. Classes 32 and 42.

Jacobi, Martin, Inc., Buffalo, N. Y. Men's hat stay. 514,736, Sept. 6; Serial No. 541,423, published May 17, 1949. Class 39.

Jaeger, Oswald, Baking Company, Milwaukee, Wis. Bread. 207,881, Jan. 12, 1926. Republished Sept. 6. Class 46.

Jewel Tea Co., Inc., Barrington, Ill. Consumer sized packages of tri-sodium phosphate. 514,871, Sept. 6; Serial No. 555,537, published May 10, 1949. Class 6.

Judson Dunaway Corporation: *See*—
Expello Corporation, The.

Kalo Company, The, Quincy, Ill. Minerals and mineral mixtures, and livestock and poultry tonics and remedies. 514,735, Sept. 6; Serial No. 540,825, published May 24, 1949. Class 6.

Katahdin Pulp and Paper Company, Lincoln, by Eastern Corporation, Bangor, Maine. Lining, wrapping, printing, and writing papers. 86,804, Apr. 30, 1912. Republished Sept. 6. Class 37.

Kayser, Julius, & Co., New York, N. Y. Ladies' silk underwear. 256,879, May 29, 1929. Republished Sept. 6. Class 39.

Keasbey & Mattison Company, Ambler, Pa. Asbestos-composition shingles, slates, tiles, etc., and roofing materials. 371,071, Sept. 19, 1939. Republished Sept. 6. Class 12.

Kelly, R. A., Co., The, Xenia, Ohio. Rope and hard-fiber sisal and manila hemp cordage. 163,101, Jan. 2, 1923. Republished Sept. 6. Class 7.

Kempster, George A., doing business as Dent-Lyke Co., Brockton, Mass. Instrument to polish the teeth and massage the gums. 514,968, Sept. 6; Serial No. 562,143, published May 31, 1949. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill., to The Kendall Company, Boston, Mass. Athletic supporter. 264,034, renewed Nov. 19, 1949. O. G. Sept. 6. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill., to The Kendall Company, Boston, Mass. Athletic supporter. 264,243, renewed Nov. 19, 1949. O. G. Sept. 6. Class 44.

Kendall Company, The, Boston, Mass., and Chicago, Ill., to The Kendall Company, Boston, Mass. Suspensory. 264,244–5, renewed Nov. 19, 1949. O. G. Sept. 6. Class 44.

Kenley, Joan, Inc., New York, N. Y. Women's and misses' blouses and dresses. 514,824, Sept. 6; Serial No. 550,520, published May 3, 1949. Class 39.

Kimble Glass Company, Vineland, N. J., by Owens-Illinois Glass Company, Toledo, Ohio. Glass ampoules. 253,315, Feb. 26, 1929. Republished Sept. 6. Class 33.

Klauer Manufacturing Company, Dubuque, Iowa. Window frames. 339,204, Sept. 29, 1936. Republished Sept. 6. Class 12.

Klein, Mathias, & Sons, Chicago, Ill. Grips for messenger, guy strand, and conductor cables. 514,767, Sept. 6; Serial No. 544,879, published May 31, 1949. Class 23.

Knight, Arthur C., doing business as Continental Mills, Chicago, Ill., by Central Soya Company, Inc., Fort Wayne, Ind. Animal and live stock feed. 324,431, May 21, 1935. Republished Sept. 6. Class 46.

Koninklijke Leder Fabriek "Oisterwijk" N. V.: *See*—
Naamloose Vennootschap Lederfabriek "Oisterwijk."

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Powdered alum, sodium bicarbonate, powdered borax, etc. 263,303, renewed Nov. 5, 1949. O. G. Sept. 6. Class 6.

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Boys' and youths' wearing apparel. 263,423, renewed Nov. 5, 1949. O. G. Sept. 6. Class 39.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.

Krieger, Ben, & Company, Inc., Greensboro, N. C. Cloths for polishing, waxing, and cleaning. 514,901, Sept. 6; Serial No. 561,198, published May 31, 1949. Class 29.

Krinard Packing Company, Riverside, Calif. Fresh citrus fruits. 514,722, Sept. 6; Serial No. 537,706, published May 17, 1949. Class 46.

Kuns, Ernest W., New York, N. Y. Cotton goods. 262,098, Oct. 1, 1929. Republished Sept. 6. Class 42.

Kurts Bros., Clearfield, Pa. Tablets, practice paper, blank labels, etc. 219,420, Oct. 19, 1926. Corrected. O. G. Sept. 6. Class 37.

Lactona Incorporated, St. Paul, Minn. Hair brushes. 509,044, Apr. 26, 1949. Corrected. O. G. Sept. 6, 1949. Class 29.

La Morte, Anthony: *See*—
Santos Cigar Co., Inc.

Lamson & Goodnow Manufacturing Company, Shelburne Falls, Mass. Knives. 514,745, Sept. 6; Serial No. 542,598, published May 31, 1949. Class 23.

Lauder, Therese: *See*—
Lauder, Therese, Corporation, The.

Lauder, Therese, Corporation, The, Norwalk, Conn., to Therese Lauder, Dania, Fla. Fruit cakes, poundcakes, plum puddings, etc. 257,506, renewed June 11, 1949. O. G. Sept. 6. Class 46.

Lawson, H. W., Manufacturing Company, Los Angeles, Calif. Men's, women's and children's garments. 514,781–2, Sept. 6; Serial Nos. 545,999–6,000, published May 3, 1949. Class 39.

Lea & Perrins, to Lea & Perrins, Inc., New York, N. Y. Sauce. 68,150, Mar. 10, 1908. New certificate. O. G. Sept. 6. Class 46.

Lea & Perrins, Inc.: *See*—
Lea & Perrins.

Leathercraft Process: *See*—
Lehmann, Kurt, Jr.

Leatherkraft, Inc., Minneapolis, Minn. Coats, jackets and vests. 514,688, Sept. 6; Serial No. 530,409, published Apr. 19, 1949. Class 39.

Lechter, B., doing business as American Watch Co. of Canada, Montreal, Canada. Clocks and watches. 514,933, Sept. 6; Serial No. 566,466, published May 24, 1949. Class 27.

Lemingwell Rancho Lemon Association, Whittier, Calif. Fresh citrus fruits. 205,762, Nov. 17, 1925. Republished Sept. 6. Class 46.

Lemingwell Rancho Lemon Association, Whittier, Calif. Fresh citrus fruits. 260,320–30, Aug. 20, 1929. Republished Sept. 6. Class 46.

Leggett & Platt, Inc., Carthage, Mo. Bed-springs. 514,755, Sept. 6; Serial No. 543,815, published May 3, 1949. Class 32.

Lehman Manufacturing Company: *See*—
Lehman, Roger.

Lehman, Roger, doing business as Lehman Manufacturing Company, Newark, N. J. Internal combustion engines. 514,768, Sept. 6; Serial No. 545,006, published May 31, 1949. Class 23.

Lehmann, Kurt, Jr., doing business as Leathercraft Process, New York, N. Y. Cleaning, dyeing, renapping, etc., leather surfaces. 514,967, Sept. 6; Serial No. 558,797. Class 55.

Lehn & Fink Products Corporation, Bloomfield, N. J. Powder puffs and eyelash brushes. 514,883, Sept. 6; Serial No. 558,146, published May 31, 1949. Class 29.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 514,922, Sept. 6; Serial No. 564,952, published May 31, 1949. Class 6.

Leichter, Emil, Watch Co., Inc., New York, N. Y. Watches. 514,879, Sept. 6; Serial No. 556,801, published May 24, 1949. Class 27.

Leichter, Emil, Watch Co., Inc., New York, N. Y. Watches. 514,898, Sept. 6; Serial No. 560,484, published May 24, 1949. Class 27.

Leichter, Emil, Watch Co., Inc., New York, N. Y. Watches. 514,937, Sept. 6; Serial No. 563,202, published May 24, 1949. Class 27.

Lekas & Drivas, Inc., New York, N. Y. Wines. 355,025, Mar. 8, 1938. Republished Sept. 6. Class 47.

Lekas & Drivas, Inc., New York, N. Y. Wines. 355,027, Mar. 8, 1938. Republished Sept. 6. Class 47.

Lekas & Drivas, Inc., New York, N. Y. Olive oil. 378,071, Nov. 21, 1939. Republished Sept. 6. Class 46.

Lentini, Joseph, doing business as Lentini Packing Co., Brooklyn, N. Y. Edible oils. 514,723, Sept. 6; Serial No. 538,015, published May 17, 1949. Class 46.

Lentini Packing Co.: *See*—
Lentini, Joseph.

Levenson, Herbert, New York, N. Y. Men's, women's, and children's one piece pajamas, two piece pajama suits, nightshirts and nightgowns. 429,806, May 20, 1947. Republished Sept. 6. Class 39.

Levin Brothers, to Dainty Dot Hosiery, Boston, Mass. Ladies' knitted hosiery and underwear. 261,223, renewed Sep t.10, 1949. O. G. Sept. 6. Class 39.

Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Medicament administering appliances. 514,789, Sept. 6; Serial No. 546,854, published May 31, 1949. Class 44.

Lifola Company, The: *See*—
S. O. S. Manufacturing Company, Inc.
Wiggins, George L.
Wiggins, Myrtle E.

Lightner, Larry, Inc.: *See*—
McDavitt, William E.

Linmop Manufacturing Company, Dayton, Ohio. Sponge type floor mops. 514,848, Sept. 6; Serial No. 564,991, published May 31, 1949. Class 29.

Lloyd Manufacturing Co., by D. & J. Rosenbaum, Inc., Anderson, Ind. Antitarnish balls. 164,523, Feb. 20, 1923. Republished Sept. 6. Class 6.

Look Incorporated, Des Moines, Iowa, now by change of name to Cowles Magazines, Inc., by Cowles Magazines, Inc., New York, N. Y. Motion picture films, sound films, combined sound and motion picture films, etc. 409,538, Oct. 10, 1944. Republished Sept. 6. Class 26.

M. & S. Shirt Company, Inc., Elizabeth, N. J. Work, negligee, sport, and dress shirts. 514,699, Sept. 6; Serial No. 533,756, published Apr. 19, 1949. Class 39.

Macklanburg-Duncan Company, Oklahoma City, Okla. Metal and felt weather stripping, metal weather stripping, and felt weather stripping. 281,626, Mar. 24, 1931. Republished Sept. 6. Class 12.

Macklanburg-Duncan Company, Oklahoma City, Okla. Metal and felt weather stripping. 284,457, June 30, 1931. Republished Sept. 6. Class 12.

Macklanburg-Duncan Company, Oklahoma City, Okla. Calking compound, glazing compound, roofing compound, etc. 331,577–8, Jan. 14, 1936. Republished Sept. 6. Class 12.

Maginnis Power Tool Co., Mansfield, Ohio. Electric apparatus. 514,799, Sept. 6; Serial No. 548,597, published May 17, 1949. Class 21.

Manbee Equipment Company, Inc., Chicago, Ill. Apparatus for gauging, checking, balancing, and correcting the alignment, shape and positioning of wheels, etc. 514,671, Sept. 6; Serial No. 519,965, published May 24, 1949. Class 26.

Manhattan Shirt Company, The, New York, N. Y. Negligee and sport shirts. 263,758, renewed Nov. 12, 1949. O. G. Sept. 6. Class 39.

Mann, Leo, Boston, Mass. Atomizer units. 514,890, Sept. 6; Serial No. 559,309, published May 31, 1949. Class 44.

Mansel, Inc., Buffalo, N. Y. Force feed lubricator pumps, chemical feders, wheel pullers, piston ring compressors, etc. 514,894, Sept. 6; Serial No. 533,184, published May 31, 1949. Class 23.

Markel Electric Products, Inc., Buffalo, N. Y. Electric air heaters. 514,955, Sept. 6; Serial No. 530,090. Class 21.

Marmon-Herrington Company, Inc., Indianapolis, Ind. Light door-to-door automotive delivery trucks. 514,944, Sept. 6; Serial No. 501,518. Class 19.

Martin, Bob (Export) Limited, Lancashire, England. Veterinary preparations. 514,683, Sept. 6; Serial No. 528,498, published May 10, 1949. Class 6.

Masclet, Marie F., Paris, France. Skin cream, dentifrices, denture powders, etc. 514,964, Sept. 6; Serial No. 555,759. Class 6.

Massage-O-Mat Corporation, New York, N. Y. Automatic massaging tables. 514,892, Sept. 6; Serial No. 559,722, published May 31, 1949. Class 44.

Master Rule Manufacturing Co., Inc., White Plains, N. Y. Rules, folding rules, and extension rules. 514,749, Sept. 6; Serial No. 543,310, published May 10, 1949. Class 26.

Maurer, Martin R., Riverhead, N. Y. Dressed poultry and live ducks. 296,767, Aug. 23, 1932. Republished Sept. 6. Class 46.

McCarty, Justin, Inc., Dallas, Tex. Women's, misses', girls', children's, and toddler's outer wear garments. 514,658, Sept. 6; Serial No. 512,129, published May 10, 1949. Class 39.

McCormick & Company, Incorporated: *See*—
Schilling, A., & Co.

McDavitt Brothers: *See*—
McDavitt, William E.

McDavitt, William E., doing business as McDavitt Brothers, by Larry Lightner, Inc., Brownsville, Tex. Fresh vegetables. 227,601, May 10, 1927. Republished Sept. 6. Class 46.

McDonald Manufacturing Company, Los Angeles, Calif. Electrical apparatus. 514,811–13, Sept. 6; Serial No. 549,817–19, published May 24, 1949. Class 21.

McGraw Electric Corporation: *See*—
Bussmann Manufacturing Company.

McKesson & Robbins, Inc., New York, N. Y., by The Drambuie Liqueur Company Limited, Edinburgh, Scotland. Scotch whisky. 361,696, Oct. 25, 1938. Republished Sept. 6. Class 49.

McLaren, L. M., by L. M. McLaren Produce, Inc., Yuma, Ariz. Fresh vegetables. 298,554, Nov. 1, 1932. Republished Sept. 6. Class 46.

McLaren, L. M., Produce, Inc.: *See*—
McLaren, L. M.

McPherson Heights Citrus Association, by Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. 207,034, Dec. 15, 1925. Republished Sept. 6. Class 46.

Mead, Johnson & Company, Evansville, Ind. Specially prepared food in powdered form. 280,626, Feb. 24, 1931. Republished Sept. 6. Class 46.

Meeco Sales Co.: *See*—
Redmond, Dumas M.

Mello Ice Cream Co., Inc., Cleveland, Ohio. Ice cream. 370,587, July 16, 1940. Cancelled. O. G. Sept. 6. Class 46.

Mem Company, New York, N. Y. Soaps. 307,670, Mar. 15, 1940. Corrected. O. G. Sept. 6. Class 4.

Menger Manufacturing Co.: *See*—
Menger, William F.

Menger, William F., doing business under the name and style of Menger Manufacturing Co., Brooklyn, N. Y. Bandages. 514,901, Sept. 6; Serial No. 559,524, published May 31, 1949. Class 44.

Meridian Plastics Inc., Byesville, Ohio. Plastic sheet laminates. 443,241, Sept. 6; Serial No. 506,607, published May 24, 1949. Class 12.

Merit Enterprises, Inc., Brooklyn, N. Y. Aluminum cooking utensils. 514,859, Sept. 6; Serial No. 553,731, published May 31, 1949. Class 13.

Metal Specialties Manufacturing Co., Chicago, Ill. Machine staples. 514,743, Sept. 6; Serial No. 542,222, published Mar. 1, 1949. Class 13.

Metzger, Morris & Sons Inc.: *See*—
Sportowne Coat Co., Inc.

Meyer Chemical Company, Detroit, Mich. Parenteral solution. 514,885, Sept. 6; Serial No. 558,402, published May 24, 1949. Class 6.

Miami Laundry Company, Miami, Fla. Laundry and dry cleaning. 514,968, Sept. 6; Serial No. 533,912. Class 55.

Michel, M., & Company, Inc., New York, N. Y. Higher aliphatic alcohols from Co. to Ca. 514,907, Sept. 6; Serial No. 562,076, published May 24, 1949. Class 6.

Microniser Company, The: *See*—
International Pulverizing Corporation.
Whittaker Micronising Corporation.

Miles Manufacturing Company, Los Angeles, by Safeway Stores, Incorporated, Oakland, Calif. Compound of sugar, gelatin, and fruit acid. 168,675, May 29, 1923. Republished Sept. 6. Class 46.

Miller-Cooper Ink Company, Kansas City, Mo. Printing inks. 514,910, Sept. 6; Serial No. 562,652, published May 31, 1949. Class 11.

Mineralfac Electric Company, Chicago, Ill. Alternating-current flow-indicating devices. 261,848, Sept. 24, 1929. Republished Sept. 6. Class 21.

Mingee, John, Long Island City, N. Y. Facial invigorating apparatus. 514,869, Sept. 6; Serial No. 555,286, published May 31, 1949. Class 44.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Light reflecting material in sheet form. 389,202, July 29, 1941. Republished Sept. 6. Class 50.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Coated abrasives. 404,200, Nov. 9, 1943. Republished Sept. 6. Class 4.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Adhesive cements. 405,413, Feb. 1, 1944. Republished Sept. 6. Class 4.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Abrasive. 420,013, Mar. 19, 1946. Republished Sept. 6. Class 4.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Tympan covers and sheets. 428,381, Mar. 25, 1947. Republished Sept. 6. Class 50.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Sheet material. 433,291, Oct. 7, 1947. Republished Sept. 6. Class 37.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Rust, corrosion, and abrasive resistant rubberized coating material. 441,797, Jan. 4, 1949. Republished Sept. 6. Class 16.

Miss Coquette, Inc., New York, N. Y. Ladies' slips, nightgowns, pajamas, etc. 441,944, Feb. 1, 1949. Republished Sept. 6. Class 39.

Mitchell Wing Company, assignor to Beach Soap Company, Boston, Mass., to Cowles Chemical Company, Cleveland, Ohio. Mixture of soap with other detergent materials. 263,913, renewed Nov. 12, 1949. O. G. Sept. 6. Class 4.

Mobile Daily Newspapers, Inc., by The Mobile Press Register, Inc., Mobile, Ala. Newspaper. 361,820–1, Nov. 1, 1938. Republished Sept. 6. Class 38.

Mobile Daily Newspapers, Inc., by The Mobile Press Register, Inc., Mobile, Ala. Section or column of a newspaper. 382,755, Nov. 12, 1940. Republished Sept. 6. Class 38.

Mobile Press Publishing Company, The, to The Mobile Press Register, Inc., Mobile, Ala. Daily newspaper. 261,348, renewed Sept. 17, 1949. O. G. Sept. 6. Class 38.

Mobile Press Register, Inc.: *See*—
Mobile Daily Newspapers, Inc.

Mobile Press Register, Inc., The: *See*—
Mobile Press Publishing Company, The.

Modern Optics, Inc., Houston, Tex. Multi-focal spectacle lenses and lens blanks. 514,689, Sept. 6; Serial No. 530,917, published May 10, 1949. Class 26.

Mohawk Lubricant Company: *See*—
Steadman, F. W., Co.

Monarch Garment Corp., New York, N. Y. Ladies' and misses' coats, suits, and dresses. 514,701, Sept. 6; Serial No. 534,174, published May 3, 1949. Class 39.

Monogram Manufacturing Company, West Los Angeles and Los Angeles, Calif. Drawer and door handles. 514,851, Sept. 6; Serial No. 552,255, published May 31, 1949. Class 13.

Monroe Cheese Company, Monroe, to The Borden Company, New York, N. Y. Cream-cheese. 75,571, renewed Nov. 23, 1949. O. G. Sept. 6. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Chemical toxicants. 514,831–2, Sept. 6; Serial No. 557,863–4, published May 3, 1949. Class 6.

Montag Brothers, Inc., Atlanta Ga. Pencil tablets, composition note books, loose-leaf paper, etc. 334,066, Apr. 21, 1936. Republished Sept. 6. Class 37.

Moorman Manufacturing Company, Quincy, Ill. Worm expellers for animals. 351,646, Nov. 2, 1937. Republished Sept 6. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Worm expellers for animals and foul. 353,501, Jan. 11, 1938. Republished Sept. 6. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Mange treatment preparation and sterilising oil for animals and fowl. 354,501, Feb. 15, 1938. Republished Sept. 6. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Feeds for poultry. 364,542, Feb. 7, 1939. Republished Sept. 6. Class 46.

Moorman Manufacturing Company, Quincy, Ill. Stock dips. 376,000, Mar. 12, 1940. Republished Sept. 6. Class 6

Moorman Manufacturing Company, Quincy, Ill. Poultry feeds. 385,392, Feb. 25, 1941. Republished Sept. 6. Class 46.

Moorman Manufacturing Company, Quincy, Ill. Worm expellers for farm animals and poultry, fly spray and disinfectant powder. 393,934, Mar. 10, 1942. Republished Sept. 6. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Mechanical feed mixers. 401,116, Apr. 27, 1943. Republished Sept. 6. Class 23.

Moorman Manufacturing Company, Quincy, Ill. Waterers and feeders for poultry and farm animals. 402,777, Aug. 10, 1943. Republished Sept. 6. Class 50.

Moorman Manufacturing Company, Quincy, Ill. Preparation for use in the prevention and control of coccidiosis in poultry. 415,341, Aug. 7, 1945. Republished Sept. 6. Class 6.

Movado Watch Agency, Inc., New York, N. Y. Watches. 514,932, Sept. 6; Serial No. 566,436, published May 24, 1949. Class 27.

Muchnick, Morris, doing business as Wonder-Aid Products Co., Burbank, Calif. Electrically-driven, garbage disposal unit. 514,829, Sept. 6; Serial No. 550,722, published May 24, 1949. Class 21.

Mulford, H. K., Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Cold and grippe medicine. 257,025, renewed May 28, 1949. O. G. Sept. 6. Class 6.

Musical Research Products, Inc., Philadelphia, Pa., and Wilmington, Del. Organs, both reed and pipe, etc. 326,936, Aug. 13, 1935. Canceled. O. G. Sept. 6. Class 36

Naamlooze Vennootschap Lederfabriek "Oisterwijk," to Koninklijke Leder Fabriek "Oisterwijk" N. V., Oisterwijk, Netherlands. Leather. 257,002, renewed May 28, 1949. O. G. Sept. 6. Class 1.

Nannette Manufacturing Company, Inc., Philadelphia, Pa. Children's and infants' dresses. 514,827, Sept. 6; Serial No. 550,604. published May 10, 1949. Class 39.

Nash Engineering Company, The, South Norwalk, Conn. Turbines, turbine engines, pump strainers, etc. 259,615, Aug. 6, 1929. Republished Sept. 6. Class 23.

National Aluminate Corporation, Chicago, Ill. Chemical compositions. 514,953, Sept. 6; Serial No. 527,757. Class 6.

National Brief Case Mfg. Co., Inc., Chicago, Ill. Leather traveling bags and brief cases. 514,817, Sept. 6; Serial No. 549,940, published Oct. 19, 1948. Class 3.

National Broadcasting Company, Inc., New York, N. Y. Motion picture film. 298,745–6, renewed Nov. 1, 1932. Canceled. O. G. Sept. 6. Class 26.

National Brooder Company, The: *See*—
Buckeye Incubator Company, The.

National Cash Register Company, The, Dayton, Ohio. Accounting machines, adding typewriters, calculating and computing machines, etc. 264,236–7, renewed Nov. 19, 1949. O. G. Sept. 6. Class 26.

National Cylinder Gas Company, Chicago, Ill. Electric arc welding units and machines. 514,759, Sept. 6; Serial No. 544,100. published May 24, 1949. Class 21.

Nebiker, Julius F., doing business as Nebiker Products Company, Peoria, Ill. Shoe hangers. 514,760, Sept. 6; Serial No. 544,101, published May 31, 1949. Class 13.

Nebiker Products Company: *See*—
Nebiker, Julius F.

Nebraska Consolidated Mills Company, doing business as The Fremont Mills, Omaha, Nebr. Wheat flour. 514,605, Sept. 6; Serial No. 533,193, published May 17, 1949. Class 46.

Neisler Mills, Inc., Kings Mountain, N. C. Rayon fabrics. 514,938, Sept. 6; Serial No. 565,522, published May 17, 1949. Class 42.

Nestle-LeMur Company, The, Meriden, Conn. Toilet preparations. 514,806, Sept. 6; Serial No. 549,567, published May 17, 1949. Class 6.

Nestle-LeMur Company, The, Meriden, Conn. Hair-treating composition. 514,807, Sept. 6; Serial No. 549,569, published May 24, 1949. Class 6.

New Braunfels Textile Mills, New Braunfels, Tex. Cotton piece goods. 514,872, Sept. 6; Serial No. 556,116, published May 17, 1949. Class 42.

New England Mica Company, Waltham, Mass. Bonded mica insulation. 514,836–8, Sept. 6; Serial No. 551,651–3, published May 24, 1949. Class 21.

Newvoll & Errecart, Stockton, Calif. Emollient for use as a teat conditioner, etc. 442,051, Feb. 8, 1949. Republished Sept. 6. Class 6.

Newton Giant Incubator Co.: *See*—
Buckeye Incubator Company, The.

Noble & Harris, Detroit, Mich., assignor to The Edison Illuminating Company, to Philco Corporation, Philadelphia, Pa. Electric stoves and electric ranges. 263,481, renewed Nov. 5, 1949. O. G. Sept. 6. Class 21.

Nomesser Products Company: *See*—
Zeebaugh, Paul L.

Norlund, O. A., Company, Inc., Williamsport, Pa. Ice creepers. 514,920, Sept. 6; Serial No. 563,976, published May 31, 1949. Class 13.

Northwest Tube & Metal Fabricators, Portland, Oreg. Metallic irrigation tubes, sprinkler heads and irrigation tube fittings. 514,794, Sept. 6; Serial No. 548,011, published May 31, 1949. Class 13.

Nu-Enamel Corporation, Chicago, Ill. Brushes. 514,754, Sept. 6; Serial No. 543,732, published May 24, 1949. Class 29.

Nu-Tek Co., The, Toledo, Ohio. Denture base made of acrylic resin. 514,904, Sept. 6; Serial No. 561,576, published May 31, 1949. Class 44.

Oberman & Company, Jefferson City, Mo. Outer shirts, pants, and jackets. 514,717, Sept. 6; Serial No. 537,227, published Apr. 26, 1949. Class 39.

Olson Radio Warehouse, Inc., Akron, Ohio. Electrical apparatus. 514,787, Sept. 6; Serial No. 546,597, published May 17, 1949. Class 21.

Onyx Oil & Chemical Company, by Onyx Oil & Chemical Company, Jersey City, N. J. Quaternary ammonium antiseptic compound. 437,514, Mar. 30, 1948. Republished Sept. 6. Class 6.

Opportunity Publishing Co., Chicago, Ill. Publications. 330,120, Nov. 19, 1935. Corrected. O. G. Sept. 6. Class 38.

Ottawa Silica Company, Ottawa, Ill. Sand. 514,686, Sept. 6; Serial No. 529,685, published May 31, 1949. Class 1.

Owen-Morgan, Inc., New York, N. Y. Blouses, shirts, and jacket blouses. 514,708, Sept. 6; Serial No. 535,596, published May 3, 1949. Class 39.

Owens-Illinois Glass Company: *See*—
Kimble Glass Company.

Pacific Clay Products, Los Angeles, Calif. Straights and standard size shapes of fire brick, and fire clay. 514,703, Sept. 6; Serial No. 534,334, published Feb. 24, 1948. Class 12.

Pacific Coast Cement Company, Seattle, Wash. Portland cement and high-early strength cement. 514,862, Sept. 6; Serial No. 554,145, published May 17, 1949. Class 12.

Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. 443,335, Sept. 6; Serial No. 497,963, published May 10, 1949. Class 42.

Pacific Produce Distributors, Inc., San Jose, Calif. Fresh vegetables. 317,948, Oct. 9, 1934. Republished Sept. 6. Class 46.

Pacini, Anna, doing business as Hollywood Cosmetics Co., Memphis, Tenn. Hair pomade. 514,919, Sept. 6; Serial No. 563,952, published May 31, 1949. Class 6.

Paris Laboratories, Inc., by Countess Maritza Cosmetic Co., Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 302,899, May 2, 1933. Republished Sept. 6. Class 6.

Parmalee, A. F., doing business as United States Safety Service Company, Kansas City, Mo. Goggles, face shields, and carbon monoxide detectors. 514,947, Sept. 6; Serial No. 515,676. Class 26.

Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline. 358,859, July 15, 1941. Republished Sept. 6. Class 15.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paint, paint enamels, stains, etc. 257,981, renewed June 25, 1949. O. G. Sept. 6. Class 16.

Pearl-Art Sportswear: *See*—
Greenwald, Alex.

Peerless Undergarment Co., by Peerless Undergarment Co., Inc., New York, N. Y. Ladies' underwear, nightgowns, slips, etc. 384,123, Jan. 7, 1941. Republished Sept. 6. Class 39.

Peerless Undergarment Co., Inc.: *See*—
Peerless Undergarment Co.

Pendleton Woolen Mills, Pendleton and Portland, Oreg. Piece goods and blankets. 514,710, Sept. 6; Serial No. 535,994, published May 17, 1949. Class 42.

Perfection Products Co., Chicago, Ill. Aluminum waterless type cookers and heavy weight sheet aluminum cookware. 514,943, Sept. 6; Serial No. 498,309. Class 13.

Perfumeria Gal, S. A., Madrid, Spain. Colognes: toilet lotions; bay rum, etc. 514,959, Sept. 6; Serial No. 557,773. Class 6.

Philco Corporation: *See*—
Noble & Harris.

Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 256,662, renewed May 21, 1949. O. G. Sept. 6. Class 15.

Photo Refrigeration Equipment Co., Kansas City, Mo. Refrigerated photographic finishing equipment. 514,746, Sept. 6; Serial No. 542,876, published May 24, 1949. Class 26.

Plaubert, Jeanne, born Jeanne Quanon, Paris, France. Perfumes, toilet lotions, face powders, etc. 514,680, Sept. 6; Serial No. 528,146, published May 10, 1949. Class 6.

Pierce, S. S., Co., Boston, Mass. Gloss lump starch. 74,570, July 20, 1909. Republished Sept. 6. Class 6.

Pierce, S. S., Co., Boston, Mass. Corn starch. 75,627, Oct. 26, 1909. Republished Sept. 6. Class 46.

Pitman, Isaac Sir, & Sons, Limited, Bath, to Sir Isaac Pitman & Sons Limited, London, England. Books. 32,964, re-renewed May 30, 1949. O. G. Sept. 6. Class 38.

Pollak, Henry, Inc., New York, N. Y. Felt and straw hat bodies. 514,734, Sept. 6; Serial No. 540,571, published May 3, 1949. Class 39.

Portable Light Co., Inc., The, New York, N. Y. Electrical marine apparatus. 514,696, Sept. 6; Serial No. 533,373, published May 17, 1949. Class 21.

Prentice, G. E., Manufacturing Company, Kensington, Conn. Slide operated fasteners. 514,852–3, Sept. 6; Serial Nos. 552,492–3, published May 31, 1949. Class 13.

Pyle-National Company, The, Chicago, Ill. Electrical conduit fittings. 514,825, Sept. 6; Serial No. 550,551, published May 24, 1949. Class 21.

Quackenbush Company: *See*—
Allied Stores Corporation.

Quaker Oats Company, The: *See*—
Great Western Cereal Company, The.

Quanon, Jeanne: *See*—
Plaubert, Jeanne.

Rare Chemicals, Inc., Harrison, N. J. Hormones for sublingual use. 514,905, Sept. 6; Serial No. 561,686, published May 24, 1949. Class 6.

Rawson Electrical Instrument Co., Cambridge, Mass. Electric meters. 256,542, renewed May 21, 1949. O. G. Sept. 6. Class 26.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for supplying impulses of current to electric welding machines. 514,648, Sept. 6; Serial No. 479,901, published May 17, 1949. Class 21.

Red Fox Orchards, by Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. 193,204, Dec. 23, 1924. Republished Sept. 6. Class 46.

Redmond, Dumas M., doing business as Mecco Sales Co., Brooklyn and New York, N. Y. Foot lotion. 514,850, Sept. 6; Serial No. 552,166, published May 31, 1949. Class 6.

Regan, William H., doing business under the name of Cap-Cal-Ox Laboratory, Bergenfield, N. J. Bland antiseptic, emollient and powerful suppurative. 514,903, Sept. 6; Serial No. 561,342, published May 31, 1949. Class 6.

Register & Tribune Company, The, Des Moines, Iowa, by Cowles Magazines, Inc., New York, N. Y. Regularly issued magazine. 349,191, Aug. 24, 1937. Republished Sept. 6. Class 38.

Republic Brass Corporation, by Revere Copper and Brass Incorporated, New York, N. Y. Non-ferrous metals and alloys thereof. 266,371, Jan. 14, 1930. Republished Sept. 6. Class 14.

Republic Steel Corporation: *See*—
United Steel Company, The.

Redllo Company, Chicago, Ill. Press pads. 514,796, Sept. 6; Serial No. 548,292, published Apr. 26, 1949. Class 24.

Revere Copper and Brass Incorporated: *See*—
Republic Brass Corporation.

Revere Copper and Brass Incorporated, New York, N. Y. Non-ferrous metals and alloys thereof. 279,265, Jan. 13, 1931. Republished Sept. 6. Class 14.

Revere Copper and Brass Incorporated, New York, N. Y. Non-ferrous metals and alloys thereof. 292,770, Mar. 29, 1932. Republished Sept. 6. Class 14.

Revere Copper and Brass Incorporated, New York, N. Y. Copper clad stainless steel saucepans, double boilers, kettles, etc. 383,380, Dec. 3, 1940. Republished Sept. 6. Class 13.

Revere Copper and Brass Incorporated, New York, N. Y. Domestic metal wash boilers. 404,686, Dec. 14, 1943. Republished Sept. 6. Class 24.

Revere Copper and Brass Incorporated, New York, N. Y. Base metal tea kettles, skillets, and griddles. 405,689, Feb. 15, 1944. Republished Sept. 6. Class 13.

Revolvator Company, North Bergen, N. J. Power liftrucks. 514,805, Sept. 6; Serial No. 549,464. published May 24, 1949. Class 23.

Rex Research Corporation: *See*—
Toledo Rex Spray Company, The.

Richter & Phillips Company, The, Cincinnati, Ohio. Tongs. 363,105, Dec. 13, 1938. Republished Sept. 6. Class 23.

Rilling Company, Minneapolis, Minn., assignor to Rilling Company, Bridgeport, Conn. Permanent hair waving machines, etc. 514,650, Sept. 6; Serial No. 496,664, published May 31, 1949. Class 44.

Robinson & Cleaver Limited, London, England. Sheets, pillow cases, table cloths, etc. 438,856, May 11, 1948. Republished Sept. 6. Class 42.

Robinson & Cleaver Limited, London, England. Linen and hemp piece goods. 441,908, Jan. 4, 1949. Republished Sept. 6. Class 42.

Rockweave Mills, Division Callaway Mills, to Callaway Mills Company, La Grange, Ga. Woven twines. 260,159, renewed Aug. 20, 1949. O. G. Sept. 6. Class 7.

Rockweave Mills, Division Callaway Mills, to Callaway Mills Company, La Grange, Ga. Woven fabric laundry nets. 260,718, renewed Aug. 27, 1949. O. G. Sept. 6. Class 2.

Rockweave Mills, Division Callaway Mills, to Callaway Mills Company, La Grange, Ga. Woven fabrics. 262,467, renewed Oct. 15, 1949. O. G. Sept. 6. Class 42.

Rockweave Mills, Division Callaway Mills, to Callaway Mills Company, La Grange, Ga. Woven fabrics. 263,122, renewed Oct. 29, 1949. O. G. Sept. 6. Class 42.

Roden Coal Company, Birmingham, Ala. Coal. 441,050, Oct. 19, 1948. Republished Sept. 6. Class 1.

Rogers, Howard E., Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. 442,398, Apr. 5, 1949. Republished Sept. 6. Class 46.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Ladies' and misses' shoes. 356,545, Aug. 23, 1938. Republished Sept. 6. Class 39.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Ladies' and misses' shoes and slippers. 386,134, Mar. 25, 1941. Republished Sept. 6. Class 39.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Shoes. 437,840, Mar. 30, 1948. Republished Sept. 6. Class 39.

Rosenbaum, D. & J., Inc.: *See*—
Lloyd Manufacturing Co.

Roseth Corporation, New York and Brooklyn, N. Y. Moth-proofing liquids, moth cakes, and moth crystals. 514,924, Sept. 6; Serial No. 565,007, published May 31, 1949. Class 6.

Roubechies Import Co.: *See*—
Fiamhaft, Harry.

Rudman & Seefield, Inc., New York, N. Y. Sinks, coffee urns, coffee boilers, hot-water urns, etc. 443,383, Sept. 6; Serial No. 478,190, published May 24, 1949. Class 13.

S. O. S. Manufacturing Company, Inc., Lake Charles, La., by M. R. Wiggins, doing business as The Lifola Company, Tulsa, Okla. Dandruff remover and hair dresser. 117,374, July 3, 1917. Republished Sept. 6. Class 6.

Safeway Stores, Incorporated: *See*—
Miles Manufacturing Company.

Salée, Gene, Hollywood, Calif. Cosmetics. 443,342, Sept. 6; Serial No. 506,771, published May 31, 1949. Class 6.

Sal-Pate Co., Inc.: *See*—
Hudson, John J.

Santa Maria Distributors, by Santa Maria Distributors (1948), Santa Maria, Calif. Fresh vegetables. 427,010, Jan. 21, 1947. Republished Sept. 6. Class 46.

Santa Maria Distributors (1948): *See*—
Santa Maria Distributors.

Santos Cigar Co., Inc., Stapleton, to A. La Morte, Staten Island, N. Y. Cigars. 256,568, renewed May 21, 1949. O. G. Sept. 6. Class 17.

Santos Cigar Co., Inc., Stapleton, to A. La Morte, Staten Island, N. Y. Cigars. 256,573, renewed May 21, 1949. O. G. Sept. 6. Class 17.

Sassoons, Inc., New York, N. Y. Cloth goods. 514,846–7, Sept. 6; Serial Nos. 552,085–6, published May 24, 1949. Class 42.

Savage Arms Corporation: *See*—
Worcester Lawn Mower Company.

Schenley Distillers Corporation: *See*—
Cresta Blanca Wine Company.

Scher, Samuel, & Son, Inc., New York, N. Y. Piece goods. 514,655, Sept. 6; Serial No. 507,222, published Nov. 23, 1948. Class 42.

Schieren, Chas. A., Company, New York, N. Y. Leather belts. 257,522, renewed June 11, 1949. O. G. Sept. 6. Class 36.

Schiller Bros., Union City, N. J. Electrical lamps. 514,820, Sept. 6; Serial No. 550,356, published May 24, 1949. Class 21.

Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, also doing business as A. Schilling & Co., Division of McCormick & Company, Baltimore, Md., and San Francisco, Calif. Whole spices, ground spices. 293,180, Apr. 12, 1932. Republished Sept. 6. Class 46.

Schilling, A., & Co., Division of McCormick & Company: *See*—
Schilling, A., & Co.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, knickerbockers, etc. 261,211–12, Sept. 10, 1929. Republished Sept. 6. Class 39.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, knickerbockers, etc. 261,214, Sept. 10, 1929. Republished Sept. 6. Class 39.

Scovill Manufacturing Company, Waterbury, Conn. Garden hose clamps, quick connectors, Y hose connectors, etc. 514,726, Sept. 6; Serial No. 538,666, published May 24, 1949. Class 13.

Scranton Battery Corporation, Archbald, Pa. Dry cell and storage batteries. 514,963, Sept. 6; Serial No. 525,256. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Vitamin capsules. 440,231, Sept. 28, 1948. Republished Sept. 6. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Children's clothing. 514,818, Sept. 6; Serial No. 550,696, published Apr. 26, 1949. Class 39.

Service Engineering Company: *See*—
Bishop, Howard B.

Shane, C. B., Corporation, Chicago, Ill. Men's, young men's, women's, misses' and juniors' overcoats and topcoats. 514,664, Sept. 6; Serial No. 514,854, published Mar. 22, 1949. Class 39.

Shapleigh Hardware Company, St. Louis, Mo. Hand tools of all kinds. 514,788, Sept. 6; Serial No. 546,622, published May 31, 1949. Class 23.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic emollient for the skin. 258,024, renewed June 25, 1949. O. G. Sept. 6. Class 6.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K., Company.
Sharp & Dohme.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial pressor and vaso-constrictor preparation. 514,921, Sept. 6; Serial No. 564,846, published May 31, 1949. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 514,929, Sept. 6; Serial No. 565,398, published May 31, 1949. Class 6.

Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Electrical connectors. 514,948, Sept. 6; Serial No. 517,010. Class 21.

Sherwin-Williams Company, The, Cleveland, Ohio. Brushes. 514,826, Sept. 6; Serial No. 550,560, published May 31, 1949. Class 29.

Shuwarger, Morris, doing business as Bettermade Garment Company, by Bettermade Garment Company, Los Angeles, Calif. Ladies' silk dresses, ladies' wool dresses, ladies' cotton dresses, etc. 276,256, Oct. 14, 1930. Republished Sept. 6. Class 39.

Signode Steel Strapping Company, Chicago, Ill. Load retaining doors and load retaining strips. 514,800, Sept. 6; Serial No. 548,868, published May 24, 1949. Class 12.

Silver Suds Company: *See*—
Silver Suds Manufacturing Company.

Silver Suds Manufacturing Company, to Silver Suds Company, Philadelphia, Pa. Cleaning and polishing material. 262,554, renewed Oct. 15, 1949. O. G. Sept. 6. Class 4.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 263,267, renewed Nov. 5, 1949. O. G. Sept. 6. Class 23.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 263,962, renewed Nov. 12, 1949. O. G. Sept. 6. Class 23.

Simplicity Engine and Manufacturing Company, by Simplicity Manufacturing Company, Port Washington, Wis. Boring and grinding machines, boring tools, grinding tools, and parts thereof. 207,176, Dec. 22, 1925. Republished Sept. 6. Class 23.

Simplicity Manufacturing Company: *See*—
Simplicity Engine and Manufacturing Company.

Simplicity Pattern Co. Inc., New York, N. Y. Men's, women's and children's garment and accessory patterns, doll and toy patterns, and needlecraft patterns. 514,739, Sept. 6; Serial No. 541,710, published May 3, 1949. Class 26.

Skinner, William, & Sons, Holyoke, Mass. Fabrics. 514,753, Sept. 6; Serial No. 543,662, published May 10, 1949. Class 42.

Smania, Rudolph, Springfield, Mass. Ointment and counter irritant. 259,374, renewed July 30, 1949. O. G. Sept. 6. Class 6.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile carpets and rugs. 514,733, Sept. 6; Serial No. 540,470, published May 10, 1949. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. 514,770, Sept. 6; Serial No. 545,545, published May 17, 1949. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. 514,771, Sept. 6; Serial No. 545,547, published May 17, 1949. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. 514,772–3, Sept. 6; Serial Nos. 545,550–1, published May 17, 1949. Class 42.

Smith, Alice R.: *See*—
Steadman, F. W., Co.

Smith, Arthur H., Los Angeles, Calif. Syringes, empty ampules, hypodermic needles, etc. 514,677, Sept. 6; Serial No. 527,212, published May 31, 1949. Class 44.

Smith, Webster D., Inglewood, Calif. Electric table lamps. 514,961, Sept. 6; Serial No. 552,610. Class 21.

Societe Anonyme Parfumerie Violet, Paris, France. Soaps, soap creams, and bath soaps. 251,967, renewed Jan. 22, 1949. O. G. Sept. 6. Class 4.

Southard & Co. Limited, London, England, and Glasgow, Scotland, by Glen Roesie Distillers, Ltd., London, England. Scotch whiskey. 321,100, Jan. 16, 1935. Republished Sept. 6. Class 49.

Southern Coal Company, Incorporated, Memphis, Tenn. Garden all-purpose tractor. 514,814, Sept. 6; Serial No. 549,849, published May 24, 1949. Class 23.

Southern States Iron Roofing Company, Savannah, Ga. Turpentine cups, spreas, and cup covers. 514,727, Sept. 6; Serial No. 539,225, published May 31, 1949. Class 13.

Southwest Steel Rolling Mills, Los Angeles, Calif. Metal fence posts. 514,750, Sept. 6; Serial No. 543,529, published May 31, 1949. Class 13.

Spanos, Peter A., doing business as Span-O-San Manufacturing Co., San Francisco, Calif. Grease trapping and filtering devices. 443,345, Sept. 6; Serial No. 511,908, published May 24, 1949. Class 13.

Span-O-San Manufacturing Co.: *See*—
Spanos, Peter A.

Sperber Company, Philadelphia, Pa. Aprons, make-up capes, and shower caps. 443,352, Sept. 6; Serial No. 522,552, published May 3, 1949. Class 39.

Sportowne Coat Co., Inc., by Sportowne Coat Co. Inc., New York, N. Y., assignor, by mesne assignments, to Morris Metzger & Sons, Inc. Ladies' and misses' sports and travel coats and suits. 317,317, Sept. 18, 1934. Republished Sept. 6. Class 39.

Sportowne Coat Co. Inc., by Sportowne Coat Co. Inc., New York, N. Y., assignors, by mesne assignments, to Morris Metzger & Sons, Inc. Ladies' and misses' coats and suits. 377,198, Apr. 23, 1940. Republished Sept. 6. Class 39.

Sportowne Coat Co. Inc., by Sportowne Coat Co. Inc., New York, N. Y., assignor, by mesne assignment, to Morris Metzger & Sons, Inc. Ladies' and misses' coats and suits. 390,957, Oct. 14, 1941. Republished Sept. 6. Class 39.

Standard Fruits, Inc., Wenatchee, Wash. Fresh apples. 242,363, Jan. 12, 1937. Republished Sept. 6. Class 46.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Insecticidal carriers and solvents. 514,913, Sept. 6; Serial No. 563,030, published May 31, 1949. Class 6.

Standard Shoe Machinery Company, Chicago, Ill. French hammers, cobblers' hammers, nippers. 514,702, Sept. 6; Serial No. 534,201, published May 24, 1949. Class 23.

Star Company, by The Hearst Corporation, New York, N. Y. Newspaper section. 94,215, Nov. 11, 1913. Republished Sept. 6. Class 38.

Steadman, F. W., Co., by A. R. Smith, doing business as Mohawk Lubricant Company, New York, N. Y. Lubricating oils and compounds. 255,333, Apr. 23, 1929. Republished Sept. 6. Class 15.

Stein, M., Cosmetic Co., The, New York, N. Y. Cosmetics. 269,953, Apr. 22, 1930. Republished Sept. 6. Class 6.

Stein, S., & Co., Inc., New York, N. Y. Woolen goods in the piece and in cut lengths. 514,949, Sept. 6; Serial No. 568,685, published May 17, 1949. Class 42.

Stern and Stern Textiles, Inc., New York, N. Y. Chiffon in-the-piece. 514,731, Sept. 6; Serial No. 540,118, published May 10, 1949. Class 42.

Steven, Frank J.: *See*—
Isolantite Company of America, Inc.

Stevens Hat Company, St. Joseph, Mo. Men's and boys' hats and caps. 443,350, Sept. 6; Serial No. 518,921, published May 3, 1949. Class 39.

Stokes, Donald C., doing business as Stokes Institute of Hair Technology, Newark, N. J. Liquid and wax base hair preparation. 443,347, Sept. 6; Serial No. 516,510, published May 31, 1949. Class 6.

Stokes Institute of Hair Technology: *See*—
Stokes, Donald C.

Stonecutter Mills Corporation, New York, N. Y. Piece goods. 514,747, Sept. 6; Serial No. 543,234, published May 17, 1949. Class 42.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 377,837, May 14, 1940. Republished Sept. 6. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 377,850, May 14, 1940. Republished Sept. 6. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Shoes. 420,113, Mar. 26, 1946. Republished Sept. 6. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Shoes. 421,165, May 21, 1946. Republished Sept. 6. Class 39.

Stromberg-Carlson Company, Rochester, N. Y. Telephonic receiving and talking instruments, telephonic switchboards, telephonic central exchange apparatus, etc. 514,957, Sept. 6; Serial No. 533,946. Class 21.

Strook, S., & Co. Inc., New York, N. Y. Woven cloth. 514,887, Sept. 6; Serial No. 558,956, published May 17, 1949. Class 42.

Stylepark Hats, Inc. Philadelphia, Pa. Men's, boys' and women's hats. 514,709, Sept. 6; Serial No. 545,404, published May 3, 1949. Class 39.

Summit Paint & Varnish Company, The, Hartford, Conn. Paints and varnishes, and particularly ready-mixed paints. 256,520, renewed May 21, 1949. O. G. Sept. 6. Class 16.

Sumner's Ty.phoo Tea, Ltd., by Ty.phoo Tea Limited, Birmingham, England. Tea. 200,940–1, July 14, 1925. Republished Sept. 6. Class 46.

Surprenant, Albert H., doing business as Surprenant Electrical Insulation Co., Boston, Mass. Electric insulated wire. 443,324, Sept. 6; Serial No. 497,860, published May 31, 1949. Class 21.

Surprenant Electrical Insulation Co.: *See*—
Surprenant, Albert H.

Swan-Finch Oil Corporation, New York, N. Y. Lubricating greases. 243,472, renewed Nov. 5, 1949. O. G. Sept. 6. Class 15.

Sweetose, Arthur L., Boston, Mass. Antiseptic waterproof sheetings, diapers, and waterproof undergarments. 39,527, Nov. 11, 1902. Corrected. O. G. Sept. 6. Classes 39 and 50.

Syatron Company, Homer City, Pa. Rectifiers of the thermionic tube. 514,810, Sept. 6; Serial No. 549,763, published May 24, 1949. Class 21.

T and T Tooth Powder Company: *See*—
Terrell, George B.

Talon, Inc., Meadville, Pa. Pillow and mattress covers. 514,678, Sept. 6; Serial No. 527,834, published May 24, 1949. Class 42.

Talon, Inc., Meadville, Pa. Pullman curtains. 514,840, Sept. 6; Serial No. 551,746, published May 17, 1949. Class 42.

Talon, Inc., Meadville, Pa. Slide fasteners. 514,843, Sept. 6; Serial No. 551,919, published May 31, 1949. Class 13.

Taylor Forge & Pipe Works, Cicero, Ill. Metal pipe and pipe fittings. 306,161, Aug. 8, 1933. Republished Sept. 6. Class 13.

Taylor Instrument Companies, Rochester, N. Y. Thermometers. 256,762, renewed May 21, 1949. O. G. Sept. 6. Class 26.

Teleweld, Inc.: *See*—
Welding Service, Inc.

Terrell, George B., doing business as T and T Tooth Powder Company, Flushing, N. Y., by Consolidated Cosmetics, Chicago, Ill. Tooth powder. 346,584, June 1, 1937. Republished Sept. 6. Class 6.

Thomas & Betts Co., The, Elizabeth, N. J. Armoured cable and non-metallic flexible conduit fittings. 514,791, Sept. 6; Serial No. 547,060, published May 31, 1949. Class 21.

Thomas & Betts Co., The, Elizabeth, N. J. Electric conduit fittings. 514,792, Sept. 6; Serial No. 547,066, published May 24, 1949. Class 21.

Thomas Hoist Company, Chicago, Ill. Chucks. 514,738, Sept. 6; Serial No. 541,606, published May 24, 1949. Class 23.

Thompson Horticultural Chemicals Corp., Los Angeles, Calif. Concentrate liquid chemical. 514,966, Sept. 6; Serial No. 562,510. Class 6.

Thor Packing Co.: *See*—
Thornburg, M. E.

Thornburg, M. E., doing business as Thor Packing Co., Holtville, Calif. Fresh vegetables. 514,691, Sept. 6; Serial No. 531,544, published May 17, 1949. Class 46.

Tichenor & Ferguson, Los Angeles, Calif. Brassières. 514,856, Sept. 6; Serial No. 553,318, published May 17, 1949. Class 39.

Tip-Top Products Company, Omaha, Nebr. Liquid solder. 514,864, Sept. 6; Serial No. 554,535, published May 24, 1949. Class 5.

Toledo Rex Spray Company, The, to Rex Research Corporation, Toledo, Ohio. Insecticide. 261,556, renewed Sept. 17, 1949. O. G. Sept. 6. Class 6.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 77,496, Apr. 12, 1910. Republished Sept. 6. Class 42.

Tootal Broadhurst Lee Company, Limited, Manchester, England. Cotton piece goods. 104,917, June 22, 1915. Republished Sept. 6. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 318,411, Oct. 23, 1934. Republished Sept. 6. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Piece goods. 338,033, Aug. 25, 1936. Republished Sept. 6. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Piece goods. 354,658, Feb. 15, 1938. Republished Sept. 6. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Dresses, gowns, frocks, blouses, children's dresses, shirts, etc. 371,830, Oct. 10, 1939. Republished Sept. 6. Class 39.

Top-O-Mart Clothes, Inc., Vineland, N. J. Men's clothing. 514,693, Sept. 6; Serial No. 532,069, published Apr. 19, 1949. Class 39.

Torres, August S., Kinderhook, N. Y. Electric coffee roasters. 443,337, Sept. 6; Serial No. 499,923, published May 17, 1949. Class 21.

Tortuga Products Company: *See*—
Anderson, Hunter.

Trade Activities, Inc.: *See*—
White, Wm. Wallace.

Triangle Conduit & Cable Co., Inc., New Brunswick, N. J. Non-metallic sheathed electric cable. 514,842, Sept. 6; Serial No. 551,830, published May 24, 1949. Class 21.

Ty.phoo Tea Limited: *See*—
Sumner's Ty.phoo Tea Ltd.

Unit Structures, Inc., Peshtigo, Wis. Laminated wood arches. 443,340, Sept. 6; Serial No. 505,537, published May 3, 1949. Class 12.

United Citrus Growers: *See*—
Colton Fruit Exchange.

United Hamilton Products, Inc.: *See*—
Baker, Howard H.

United Piece Dye Works, The, Lodi, N. J., and New York, N. Y. Chemical preparation. 438,758, May 11, 1948. Republished Sept. 6. Class 6.

United States Feldspar Corporation, Cranberry Creek, N. Y., to Fels & Company, Philadelphia, Pa. Scouring and cleansing powder. 257,197, renewed June 4, 1949. O. G. Sept. 6. Class 4.

United States Plywood Corporation, New York, N. Y. Laminated material comprising plastics and wood. 443,339, Sept. 6; Serial No. 504,670, published May 24, 1949. Class 12.

United States Safety Service Company: *See*—
Parmalee, A. F.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Cleansing compound. 263,843, renewed Nov. 12, 1949. O. G. Sept. 6. Class 4.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Disinfectant, deodorant, and insecticide. 264,096, renewed Nov. 19, 1949. O. G. Sept. 6. Class 6.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Paper towels. 264,470, renewed Nov. 26, 1949. O. G. Sept. 6. Class 37.

United Steel Company, The, Canton, by Republic Steel Corporation, Cleveland, Ohio. Steel bars, slabs, and billets. 84,298, Nov. 21, 1911. Republished Sept. 6. Class 14.

Universal Camera Corporation, New York, N. Y. Photographic shutters for cameras. 435,538, Dec. 30, 1947. Republished Sept. 6. Class 26.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 514,893, Sept. 6; Serial No. 559,967, published May 31, 1949. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 514,895, Sept. 6; Serial No. 560,068, published May 31, 1949. Class 6.

Valite Corporation, New Orleans and Lockport, La. Uncured and unmolded thermosetting and thermoplastic molding compounds, synthetic thermoplastic and thermosetting resins, etc. 442,447, Apr. 12, 1949. Republished Sept. 6. Class 1.

Vaughan Machinery Company, The, Cuyahoga Falls, Ohio. Wire drawing machines, wire grinding machines, etc. 514,664, Sept. 6; Serial No. 529,216, published May 24, 1949. Class 23.

Viking Mercantile Corp., New York, N. Y. Watches. 514,930, Sept. 6; Serial No. 565,464, published May 24, 1949. Class 27.

Vogarell Products Company: *See*—
Lewis, Rosemarie.

Wagner Drug Company: *See*—
Wagner, Jacob L.

Wagner, Jacob L., doing business as Wagner Drug Company, Dayton, Ohio. Pharmaceutical preparation. 514,867, Sept. 6; Serial No. 554,841, published May 10, 1949. Class 6.

Wagner Manufacturing Company, The, Sidney, Ohio. Pots, kettles, teakettles, etc. 514,690, Sept. 6; Serial No. 530,448, published May 24, 1949. Class 13.

Wallace Co., Inc., The, Philadelphia, Pa. Women's and misses' two-piece suits. 514,803, Sept. 6; Serial No. 549,198, published May 3, 1949. Class 39.

Wallace, George N., New York, N. Y. Watches and parts thereof. 411,551, Jan. 23, 1945. Republished Sept. 6. Class 27.

Walworth Company, Boston, Mass. Metal pipe fittings. 514,744, Sept. 6; Serial No. 542,419, published May 24, 1949. Class 13.

Waples-Platter Company, Fort Worth, Tex. Canned goods; packaged goods; bottled goods, etc. 360,725, Sept. 27, 1938. Republished Sept. 6. Class 46.

Warner Company, Philadelphia, Pa. Specially prepared hydrated lime. 514,884, Sept. 6; Serial No. 558,191, published May 17, 1949. Class 6.

Waropa A. G., Basel, Switzerland. Dental apparatus, dental instruments and parts thereof. 358,164, June 28, 1938. Republished Sept. 6. Class 44.

Warren, Bill: *See*—
Warren, William W.

Warren, William W., doing business as Bill Warren, Pittsburg, Kans. Artificial fish bait. 514,956, Sept. 6; Serial No. 533,799. Class 22.

Washington Canners Cooperative: *See*—
Washington Growers Packing Corporation.

Washington Canners Cooperative, Vancouver, Wash. Canned fruits. 514,784, Sept. 6; Serial No. 546,254, published May 10, 1949. Class 46.

Washington Growers Packing Corporation, by Washington Canners Cooperative, Vancouver, Wash. Dried fruit. 142,822, May 17, 1921. Republished Sept. 6. Class 46.

Watts, Sidney A., New York, N. Y. Hair and clothes brushes. 514,860, Sept. 6; Serial No. 554,748, published May 24, 1949. Class 29.

Webbia, George J., doing business as Webby Company, Brockton, Mass. Chemical solution for use in batteries. 514,915, Sept. 6; Serial No. 563,510, published May 31, 1949. Class 6.

Webby Company: *See*—
Webbia, George J.

Weinberg-Weinberg-Alpern, New York, N. Y. Women's and little women's dresses. 514,892, Sept. 6; Serial No. 551,566, published May 3, 1949. Class 39.

Welding Service, Inc., San Francisco, Calif., to Teleweld, Inc., Chicago, Ill. Portable electrical welding outfits. 260,119, renewed Aug. 20, 1949. O. G. Sept. 6. Class 21.

Weller Adjustable Steel Post Co.: *See*—
Weller, Fred A., Jr.

Weller, Fred A., Jr., doing business as Weller Adjustable Steel Post Co., Fond du Lac, Wis. Adjustable steel posts. 514,950, Sept. 6; Serial No. 522,005. Class 12.

Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves. 377,222, Apr. 23, 1940. Cancelled. O. G. Sept. 6. Class 39.

Western Auto Supply Company, Kansas City, Mo. Radio receiving sets and radio tubes. 514,860, Sept. 6; Serial No. 553,761, published May 31, 1949. Class 21.

Western Lithograph Company, Los Angeles, Calif. Decalcomania transfers and slip-offs, advertising display cards, and street-car cards. 257,380, renewed June 4, 1949. O. G. Sept. 6. Class 38.

Western Lithograph Company, Los Angeles, Calif. Metal signs. 261,814, renewed Sept. 24, 1949. O. G. Sept. 6. Class 50.

Western Newspaper Union, Dover, Del., and Omaha, Nebr. Printing inks. 514,870, Sept. 6; Serial No. 555,328, published May 31, 1949. Class 11.

Westmoore Manufacturing Co., Minneapolis, Minn. Men's pajamas and ladies' blouses. 443,344, Sept. 6; Serial No. 500,061, published Apr. 27, 1948. Class 39.

White, Wm. Wallace, by Trade Acitivities, Inc., New York, N. Y. Monthly publication. 139,664, Feb. 8, 1921. Republished Sept. 6. Class 38.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. 514,659, Sept. 6; Serial No. 513,351, published May 24, 1949. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. 514,660, Sept. 6; Serial No. 513,359, published May 24, 1949. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. 514,661, Sept. 6; Serial No. 513,362, published May 24, 1949. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. 514,662, Sept. 6; Serial No. 513,366, published May 24, 1949. Class 29.

Whittaker Micronising Corporation, New York, N. Y., assignor to International Pulverising Corp., by The Micronizer Company, Moorestown, N. J. Talc. 315,301, July 24, 1934. Republished Sept. 6. Class 1.

Wiggins, George L., doing business as The Lifola Company, by Myrtle Evans Wiggins, doing business as The Lifola Company, Tulsa, Okla. Preparation for the treatment of dandruff. 330,630, Dec. 17, 1935. Republished Sept. 6. Class 6.

Wiggins, George L., doing business as The Lifola Company, by Myrtle Evans Wiggins, doing business as The Lifola Company, Tulsa, Okla. Permanent wave solution. 382,022, Oct. 15, 1940. Republished Sept. 6. Class 6.

Wiggins, Myrtle E.: *See*—
S. O. S. Manufacturing Company, Inc.
Wiggins, George L.

Wiggins, Myrtle E., doing business as The Lifola Company, Tulsa, Okla. Permanent hair waving solution. 403,028, Aug. 31, 1943. Republished Sept. 6. Class 6.

Willis, K. I., Corporation, Moline, Ill. Elevator cups. 514,714, Sept. 6; Serial No. 536,737, published May 31, 1949. Class 23.

Wire Recording Corporation of America, Brooklyn, N. Y. Electrical apparatus. 514,801, Sept. 6; Serial No. 548,893, published Apr. 26, 1949. Class 21.

Wizard Malt Extract Co.: *See*—
Four Roses Malt Extract Company.

Wonder-Aid Products Co.: *See*—
Muchnick, Morris.

Worcester Lawn Mower Company, Worcester, Mass., to Savage Arms Corporation, Utica, N. Y. Lawn mowers. 235,657–8, renewed Nov. 29, 1947. O. G. Sept. 6. Class 23.

Worcester Lawn Mower Company, Worcester, Mass., to Savage Arms Corporation, Utica, N. Y. Lawn mowers. 273,002–3, renewed Jan. 3, 1948. O. G. Sept. 6. Class 23.

Wrisley, Allen B., Company, Chicago, Ill. Perfume. 514,667, Sept. 6; Serial No. 517,222, published May 31, 1949. Class 6.

Wyandotte Chemicals Corporation: *See*—
Ford, J. B., Company, The.

Yo-Ho Pure Food Products Co., to Yo Ho Food Products Company, Inc., Chicago, Ill. Potato chips and mayonnaise. 232,893, renewed Sept. 20, 1947. O. G. Sept. 6. Class 46.

Yo Ho Food Products Company, Inc.: *See*—
Yo-Ho Pure Food Products Co.

Young Radiator Company, Racine, Wis. Air cooled heat exchanger surge valve. 419,297, Feb. 12, 1946. Republished Sept. 6. Class 23.

Young Radiator Company, Racine, Wis. Air cooled chimney type heat exchangers. 427,293, Feb. 11, 1947. Republished Sept. 6. Class 23.

Youngs Rubber Corporation: *See*—
Youngs Rubber Corporation, Inc.

Youngs Rubber Corporation, Inc., by Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 514,764, July 10, 1934. Republished Sept. 6. Class 44.

Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 429,478, Apr. 29, 1947. Republished Sept. 6. Class 44.

Zenith Butter and Egg Co., to Zenith-Godley Co, Inc., New York, N. Y. Butter, eggs, and American full-cream cheese. 73,760, re-renewed May 18, 1949. O. G. Sept. 6. Class 46.

Zenith Camera Corporation, Chicago, Ill. Cameras. 514,663, Sept. 6; Serial No. 513,645, published May 24, 1949. Class 26.

Zenith-Godley Co. Inc.: *See*—
Zenith Butter and Egg Co.

Zesbaugh, Paul L., doing business as Nomessar Products Company, Minneapolis, Minn. Ash trays. 514,670, Sept. 6; Serial No. 519,791, published May 17, 1949. Class 8.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbons, Pulverized. International Pulverising Corporation. 323,734, Apr. 30, 1935. Republished Sept. 6.

Clays, Pulverized. International Pulverising Company. 369,442, July 25, 1939. Republished Sept. 6.

Coal. Roden Coal Company. 441,059, Oct. 19, 1948. Republished Sept. 6.

Leather. Dungan, Hood & Co., Inc. 187,586, Nov. 30, 1920. Republished Sept. 6.

Leather. Naamloose Vennootschap Lederfabriek "Oisterwijk." 257,002, renewed May 28, 1949. O. G. Sept. 6.

Molding compounds, Uncured and unmolded thermosetting and thermoplastic, synthetic thermoplastic and thermosetting resins, etc. Valite Corporation. 442,447, Apr. 12, 1949. Republished Sept. 6.

Sand. Ottawa Silica Company. 514,686, Sept. 6; Serial No. 529,685, published May 31, 1949.

Talc. Whittaker Micronising Corporation. 315,301, July 24, 1934. Republished Sept. 6.

CLASS 2

Boxes, Shipping, shipping cartons, shipping containers, etc. American Automobile Association. 341,044, Dec. 1, 1936. Republished Sept. 6.

Necklaces, bracelets, earrings, etc. Coro, Inc. 414,765, June 26, 1945. Republished Sept. 6.

Nets, Woven fabric laundry. Rockweave Mills, Division Calloway Mills. 260,718, renewed Aug. 27, 1949. O. G. Sept. 6.

CLASS 3

Portfolios, pocketbooks, and card cases. American Automobile Association. 341,530, Dec. 8, 1936. Republished Sept. 6.

Traveling bags and brief cases, Leather. National Brief Case Mfg. Co., Inc. 514,817, Sept. 6; Serial No. 549,940, published Oct. 19, 1948.

CLASS 4

Abrasive. Minnesota Mining and Manufacturing Company. 420,013, Mar. 19, 1946. Republished Sept. 6.

Abrasives, Coated. Minnesota Mining and Manufacturing Company. 404,200, Nov. 9, 1943. Republished Sept. 6.

All-purpose cleaner. The Crown Chemical Company. 422,766, Aug. 13, 1946. Republished Sept. 6.

Chemical compounds, Soluble. The Cowles Detergent Company. 263,834, renewed Nov. 12, 1949. O. G. Sept. 6.

Cleaning and polishing material. Silver Suds Manufacturing Company. 262,554, renewed Oct. 15, 1949. O. G. Sept. 6.

Cleaning, cleansing, and detergent material. The J. B. Ford Company. 261,342–3, renewed Sept. 17, 1949. O. G. Sept. 6.

Cleansing compound. U. S. Sanitary Specialties Corporation. 263,843, renewed Nov. 12, 1949. O. G. Sept. 6.

Detergent, Wool. Botany Worsted Mills. 442,021, Feb. 8, 1949. Republished Sept. 6.

Mixture of soap with other detergent materials. Mitchell Wing Company. 263,913, renewed Nov. 12, 1949. O. G. Sept. 6.

Scouring and cleansing powder. United States Feldspar Corporation. 257,197, renewed June 4, 1949. O. G. Sept. 6.

Soap. Colgate-Palmolive-Peet Company. 263,830, renewed Nov. 12, 1949. O. G. Sept. 6.

Soap. Colgate-Palmolive-Peet Company. 263,860, renewed Nov. 12, 1949. O. G. Sept. 6.

Soaps. Mem Company. 507,670, Mar. 15, 1949. Corrected. O. G. Sept. 6.

Soaps, soap creams, and bath soaps. Societe Anonyme Parfumerie Violet. 251,967, renewed Jan. 22, 1949. O. G. Sept. 6.

CLASS 5

Cements, Adhesive. Minnesota Mining and Manufacturing Company. 405,413, Feb. 1, 1944. Republished Sept. 6.

Corn starch for adhesive purposes. Corn Products Refining Company. 514,858, Sept. 6; Serial No. 553,465, published Mar. 8, 1949.

Solder, Liquid. Tip-Top Products Company. 514,864, Sept. 6; Serial No. 554,535, published May 24, 1949.

Tapes, Pressure-sensitive adhesive. Industrial Tape Corporation. 442,489, Apr. 19, 1949. Republished Sept. 6.

CLASS 6

Acids, alkalies, phosphates, etc. Hampden Color and Chemical Company. 514,697, Sept. 6; Serial No. 533,564, published May 31, 1949.

Air fresheners, Chlorophyl, gall bladder dyes, albumin test reagents, etc. A. S. Aloe Company. 514,681, Sept. 6; Serial No. 528,177, published May 31, 1949.

Alcohols from C_{12} to C_{18}, Higher aliphatic. M. Michel & Company, Inc. 514,907, Sept. 6; Serial No. 562,076, published May 24, 1949.

Alum, Powdered, sodium bicarbonate, powdered borax, etc. Kresge Department Store Corporation. 263,302, renewed Nov. 5, 1949. O. G. Sept. 6.

Antibacterial preparation. Sharp & Dohme, Incorporated. 514,929, Sept. 6; Serial No. 565,398, published May 31, 1949.

Antibacterial pressor and vaso-constrictor preparation. Sharp & Dohme, Incorporated. 514,921, Sept. 6; Serial No. 564,846, published May 31, 1949.

Antibiotics. American Cyanamid Company. 514,928, Sept. 6; Serial No. 565,159, published May 31, 1949.

Antiseptic, Bland, emollient, and powerful suppurative. W. H. Regan. 514,903, Sept. 6; Serial No. 561,342, published May 31, 1949.

Antiseptic compound, Quaternary ammonium. Onyx Oil & Chemical Company. 437,514, Mar. 30, 1948. Republished Sept. 6.

Antiseptic mouthwash. I. L. Holtz. 514,902, Sept. 6; Serial No. 561,239, published May 31, 1949.

Antitarnish balls. Lloyd Manufacturing Co. 164,523, Feb. 20, 1923. Republished Sept. 6.

Astringents, astringent cerates, bleach creams, etc. Paris Laboratories, Inc. 302,899, May 2, 1933. Republished Sept. 6.

Calomel and sulfathiasole, medicaments used as local anesthetics, spermaticides, parasiticides, etc. International Pulverising Corporation. 417,109, Oct. 16, 1945. Republished Sept. 6.

Carriers and solvents, Insecticidal. Standard Oil Company of California. 514,912, Sept. 6; Serial No. 563,030, published May 31, 1949.

Chemical compositions. National Aluminate Corporation. 514,953, Sept. 6; Serial No. 527,757.

Chemical dehydrating preparations. H. H. Baker. 262,822, renewed Oct. 22, 1949. O. G. Sept. 6.

Chemical preparation. Compo Shoe Machinery Corporation. 514,765, Sept. 6; Serial No. 544,675, published May 17, 1949.

Chemical preparation. The United Piece Dye Works. 438,758, May 11, 1948. Republished Sept. 6.

Chemical solution for use in batteries. G. J. Webble. 514,915, Sept. 6; Serial No. 563,510, published May 31, 1949.

Chemical toxicants. Monsanto Chemical Company. 514,881–2, Sept. 6; Serial Nos. 557,863–4, published May 3, 1949.

Chemicals and chemical products. International Chemical Workers Union. 514,940, Sept. 6; Serial No. 537,044, published May 24, 1949.

Chemicals used for treating water in house and industrial heating systems. Algin Products Corporation. 262,781, Oct. 22, 1929. Republished Sept. 6.

Cologne. The Armand Company. 442,026, Feb. 8, 1949. Republished Sept. 6.

Colognes: toilet lotions; bay rum, etc. Perfumeria Gal, S. A. 514,959, Sept. 6; Serial No. 557,773.

Compositions for treatment of fungal infestations. L. M. Ames. 514,878, Sept. 6; Serial No. 556,615, published May 10, 1949.

Compound for use in treating coughs, colds, etc. R. G. Dunwody. 142,990, May 24, 1921. Republished Sept. 6.

Concentrate liquid chemical. Thompson Horticultural Chemicals Corp. 514,966, Sept. 6; Serial No. 562,510.

Cosmetics. H. Anderson. 345,681, May 4, 1937. Republished Sept. 6.

Cosmetics. G. Salde. 443,342, Sept. 6; Serial No. 506,771, published May 31, 1949.

Cosmetics. The M. Stein Cosmetic Co. 269,953, Apr. 22, 1930. Republished Sept. 6.

Dandruff remover and hair dresser. S. O. S. Manufacturing Company, Inc. 117,374, July 3, 1917. Republished Sept. 6.

Disinfectant, deodorant and insecticide. U. S. Sanitary Specialties Corporation. 364,089, renewed Nov. 19, 1940. O. G. Sept. 6.

Dye stuffs. Aniline Color and Extract Works. 73,058, Mar. 14, 1909. Republished Sept. 6.

Dyestuffs and dyestuff printing pastes. Interchemical Corporation. 514,894, Sept. 6; Serial No. 560,023, published May 31, 1949.

Emollient for the skin, Antiseptic. Sharp & Dohme. 238,024, renewed June 25, 1949. O. G. Sept. 6.

Emollient for use as a teat conditioner, etc. Newell & Errecart. 442,051, Feb. 8, 1949. Republished Sept. 6.

External remedy. H. B. Brennan. 514,943, Sept. 6; Serial No. 558,244.

Fluxes, Mineral. The Cleveland Flux Company. 146,072, Aug. 30, 1921. Republished Sept. 6.

Foundation creams. Elizabeth Arden Sales Corporation. 514,865, Sept. 6; Serial No. 554,644, published May 24, 1949.

Fungicidal solution. Casey-Aiken Pharmaceuticals. 514,863, Sept. 6; Serial No. 554,364, published May 31, 1949.

Haarlem oil. Gold Medal Haarlem Oil Corporation. 514,728, Sept. 6; Serial No. 539,312, published May 17, 1949.

Hair dressings. Duncharme Products, Inc. 514,740, Sept. 6; Serial No. 542,016, published May 24, 1949.

Hair pomade. A. Pacini. 514,919, Sept. 6; Serial No. 563,952, published May 31, 1949.

Hair preparation, Liquid and wax base. D. C. Stokes. 443,347, Sept. 6; Serial No. 516,510, published May 31, 1949.

Hair-treating composition. The Nestle-LeMur Company. 514,807, Sept. 6; Serial No. 549,569, published May 24, 1949.

Hair washes, hair preparations, and perfumes. G. Boudon. 230,083, renewed July 12, 1947. O. G. Sept. 6.

Hormones for sublingual use. Rare Chemicals, Inc. 514,905, Sept. 6; Serial No. 561,686, published May 24, 1949.

Insecticide. The Toledo Rex Spray Company. 261,556, renewed Sept. 17, 1949. O. G. Sept. 6.

Insecticides, Agricultural. G. D. Austin. 514,965, Sept. 6; Serial No. 563,504.

Insecticides and fungicides. The Grasselli Chemical Company. 261,769, Sept. 24, 1929. Republished Sept. 6.

Lime, Specially prepared hydrated. Warner Company. 514,884, Sept. 6; Serial No. 558,191, published May 17, 1949.

Lipsticks. Lehn & Fink Products Corporation. 514,922, Sept. 6; Serial No. 564,952, published May 31, 1949.

Lotion, Foot. D. M. Redmond. 514,850, Sept. 6; Serial No. 552,166, published May 31, 1949.

Mange treatment preparation and sterilising oil for animals and fowl. Moorman Manufacturing Company. 354,501, Feb. 15, 1938. Republished Sept. 6.

Medicinal preparation. Det Danske Medicinal- & Kemikalie Kompagni A/S. 514,888, Sept. 6; Serial No. 559,141, published Mar. 22, 1949.

Medicinal preparation. J. J. Hudson. 140,145, Mar. 8, 1921. Republished Sept. 6.

Medicinal preparation. The Upjohn Company. 514,893, Sept. 6; Serial No. 560,967, published May 31, 1949.

Medicinal preparation. The Upjohn Company. 514,895, Sept. 6; Serial No. 560,068, published May 31, 1949.

Medicine, Cold and grippe. H. K. Mulford Company. 257,025, renewed May 28, 1949. O. G. Sept. 6.

Minerals and mineral mixtures, and livestock and poultry tonics and remedies. The Kalo Company. 514,735, Sept. 6; Serial No. 540,625, published May 24, 1949.

Monoesters of polyhydric alcohols. Distillation Products, Inc. 514,900, Sept. 6; Serial No. 562,547, published May 24, 1949.

Moth and moth larvae killer. The Expello Corporation. 245,912, renewed Aug. 28, 1948. O. G. Sept. 6.

Mothproofing liquids, moth cakes, and moth crystals. Keseth Corporation. 514,924, Sept. 6; Serial No. 565,007, published May 31, 1949.

Oils, Natural and synthetic. H. Flamhaft. 262,730, Feb. 12, 1929. Republished Sept. 6.

Ointment and counterirritant. R. Smania. 259,374, renewed July 30, 1949. O. G. Sept. 6.

Ointment for human use. Clinical Products Limited. 514,880, Sept. 6; Serial No. 557,501, published May 31, 1949.

Parasiticides. California Spray-Chemical Corporation. 514,832-3, Sept. 6; Serial Nos. 550,282-3, published May 10, 1949.

Parenteral solution. Meyer Chemical Company. 514,885, Sept. 6; Serial No. 553,402, published May 24, 1949.

Perfume. Allen B. Wrisley Company. 514,867, Sept. 6; Serial No. 517,222, published May 31, 1949.

Perfume Deodorizing. Associated Distributors. 406,589, Apr. 11, 1944. Republished Sept. 6.

Perfumes, Synthetical and artificial. Firmenich & Co. 514,881, Sept. 6; Serial No. 550,801, published May 3, 1949.

Perfumes, toilet lotions, face powders, etc. J. Pinaubert. 514,630, Sept. 6; Serial No. 528,146, published May 10, 1949.

Permanent hair waving solution. M. H. Wiggins. 403,028, Aug. 31, 1943. Republished Sept. 6.

Permanent wave solution. G. L. Wiggins. 382,022, Oct. 15, 1940. Republished Sept. 6.

Pharmaceutical preparation. Buffington's Incorporated. 514,685, Sept. 6; Serial No. 529,501, published May 24, 1949.

Pharmaceutical preparation. J. L. Wagner. 514,867, Sept. 6; Serial No. 554,841, published May 10, 1949.

Preparation for the treatment of dandruff. C. L. Wiggins. 330,830, Dec. 17, 1935. Republished Sept. 6.

Preparation for use in the prevention and control of coccidiosis in poultry. Moorman Manufacturing Company. 415,341, Aug. 7, 1945. Republished Sept. 6.

Preparations for cleaning radiators and motor cooling systems and drain pipes, preparations for fire extinguishers, insecticides and disinfectants, etc. The R. M. Hollingshead Co. 221,309, Nov. 30, 1926. Republished Sept. 6.

Salts, Pulverised oxygen. International Pulverising Corporation. 339,316, Dec. 28, 1934. Republished Sept. 6.

Sedative preparation. American Cyanamid Company. 514,927, Sept. 6; Serial No. 565,158, published May 31, 1949.

Skin cream, dentifrices, denture powders, etc. M. F. Masciet. 514,964, Sept. 6; Serial No. 555,750.

Starch, Gloss lump. S. S. Pierce Co. 74,570, July 20, 1909. Republished Sept. 6.

Stock dip. William Cooper & Nephews, Incorporated. 435,092, Dec. 9, 1947. Canceled. O. G. Sept. 6.

Stock dips. Moorman Manufacturing Company. 376,000, Mar. 12, 1940. Republished Sept. 6.

Tablets for the relief of dysmenorrhea, etc. Clark & Clark Co. 514,925, Sept. 6; Serial No. 565,116, published May 31, 1949.

Tablets, powders and chewing gum. Clark & Clark Co. 514,926, Sept. 6; Serial No. 565,117, published May 31, 1949.

Toilet preparations. The Nestle-LeMur Company. 514,806, Sept. 6; Serial No. 549,567, published May 17, 1949.

Toilet water. Henri Bendel, Inc. 514,917, Sept. 6; Serial No. 563,895, published May 31, 1949.

Toilet water, perfume, and cologne. Henri Bendel, Inc. 514,918, Sept. 6; Serial No. 563,896, published May 31, 1949.

Tooth powder. G. B. Terrell. 346,586, June 1, 1937. Republished Sept. 6.

Tri-sodium phosphate, Consumer sized packages of. Jewel Tea Co., Inc. 514,871, Sept. 6; Serial No. 555,537, published May 10, 1949.

Veterinary preparations. Bob Martin (Export) Limited. 514,683, Sept. 6; Serial No. 528,496, published May 10, 1949.

Vitamin capsules. Sears, Roebuck and Co. 440,831, Sept. 28, 1948. Republished Sept. 6.

Worm expellers for animals. Moorman Manufacturing Company. 351,596, Nov. 2, 1937. Republished Sept. 6.

Worm expellers for animals and fowl. Moorman Manufacturing Company. 353,501, Jan. 11, 1938. Republished Sept. 6.

Worm expellers for farm animals and poultry, fly spray and disinfectant powder. Moorman Manufacturing Company. 393,934, Mar. 10, 1942. Republished Sept. 6.

CLASS 7

Rope and hard-fiber sisal and manila hemp cordage. The R. A. Kelly Co. 163,101, Jan. 2, 1923. Republished Sept. 6.

Rope, hide rope, hay rope, etc. The Edwin H. Fitler Co. 257,457, renewed June 11, 1949. O. G. Sept. 6.

Twines, Woven. Rockweave Mills, Division Callaway Mills. 260,159, renewed Aug. 20, 1949. O. G. Sept. 6.

CLASS 8

Articles made of silver. Concord Silversmiths, Inc. 299,390, Dec. 6, 1932. Republished Sept. 6.

Ash trays. American Automobile Association. 342,479, Jan. 19, 1937. Republished Sept. 6.

Ash trays. Bennett Design and Engineering Co. 514,793, Sept. 6; Serial No. 547,968, published May 17, 1949.

Ash trays. P. L. Zesbaugh. 514,670, Sept. 6; Serial No. 519,791, published May 17, 1949.

Lighters, flint, wicks, Pyrophoric. The Imco Manufacturing Corporation. 514,718, Sept. 6; Serial No. 537,316, published May 17, 1949.

Lighters, Pyrophoric. Benlow Limited. 443,354, Sept. 6; Serial No. 523,512, published May 10, 1949.

Pipes, Tobacco. H. Comoy & Co., Limited. 514,778, Sept. 6; Serial No. 545,719, published May 31, 1949.

Pipes, Tobacco, cigar and cigarette holders, tobacco pouches, etc. H. Comoy & Co., Limited. 544,776-7, Sept. 6; Serial Nos. 545,717-18, published May 31, 1949.

CLASS 9

Powder and dynamite. Atlas Powder Company. 261,467, renewed Sept. 17, 1949. O. G. Sept. 6.

CLASS 11

Carbon paper and typewriter ribbons. Columbia Ribbon & Carbon Manufacturing Company, Inc. 514,913, Sept. 6; Serial No. 563,111, published May 31, 1949.

Ink and ink pads. Milo Harding Company. 514,911, Sept. 6; Serial No. 562,653, published May 31, 1949.

Inks, Printing. Miller-Cooper Ink Company. 514,910, Sept. 6; Serial No. 562,652, published May 31, 1949.

Inks, Printing. Western Newspaper Union. 514,870, Sept. 6; Serial No. 555,328, published May 31, 1949.

Ribbon, Typewriter, and carbon paper. Interchemical Corporation. 514,916, Sept. 6; Serial No. 563,740, published May 31, 1949.

Typewriter ribbons and carbon paper. American Automobile Association. 341,829, Dec. 8, 1936. Republished Sept. 6.

CLASS 12

Arches, Laminated wood. Unit Structures, Inc. 443,340, Sept. 6; Serial No. 506,537, published May 3, 1949.

Asphaltic and bituminous compounds. Benjamin Foster Company. 352,269, Nov. 23, 1937. Republished Sept. 6.

Asphaltic and bituminous compounds and refractory cements. Benjamin Foster Company. 352,174, Nov. 23, 1937. Republished Sept. 6.

Blocks, Concrete. Hollostone Company, Inc. 514,954, Sept. 6; Serial No. 529,898.

Board, Asbestos and cement composition. The Philip Carey Manufacturing Company. 514,873, Sept. 6; Serial No. 556,277, published May 10, 1949.

Calking compound, glazing compound, roofing compound, etc. Macklanburg-Duncan Company. 311,577-8, Jan. 14, 1936. Republished Sept. 6.

Concrete products. L. M. Castor. 443,257, Sept. 6; Serial No. 524,522, published May 24, 1949.

Construction elements of composite structure. The Celotex Corporation. 514,719, Sept. 6; Serial No. 537,561, published May 3, 1949.

Doors, Load retaining, and load retaining strips. Signode Steel Strapping Company. 514,800, Sept. 6; Serial No. 548,868, published May 24, 1949.

Fire brick, and fire clay, Straights and standard size shapes of. Pacific Clay Products. 514,703, Sept. 6; Serial No. 534,334, published Feb. 24, 1948.

Flooring composition, Bituminous mastic. The Philip Carey Manufacturing Company. 514,875, Sept. 6; Serial No. 556,280, published May 24, 1949.

Frames, Window. Klauer Manufacturing Company. 389,204, Sept. 29, 1936. Republished Sept. 6.

Insulating material, Thermal. Insul-Wool Insulation Corporation. 514,951, Sept. 6; Serial No. 522,435.

Laminates, Plastic sheet. Meridian Plastics Inc. 443,341, Sept. 6; Serial No. 506,607, published May 24, 1949.

Lath, Metal floor. The Bestwick Steel Lath Company. 514,707, Sept. 6; Serial No. 534,736, published May 3, 1949.

Lumber and millwork. Holmes Eureka Lumber Company. 514,785, Sept. 6; Serial No. 546,299, published May 17, 1949.

Material comprising plastics and wood, Laminated. United States Plywood Corporation. 443,339, Sept. 6; Serial No. 504,870, published May 24, 1949.

Materials, Vibration absorbing. The Felters Company. 514,652, Sept. 6; Serial No. 499,490, published May 10, 1949.

Patching compositions, Bituminous plastic. The Philip Carey Manufacturing Company. 514,874, Sept. 6; Serial No. 556,279, published May 17, 1949.

Portland cement and high-early strength cement. Pacific Coast Cement Company. 514,862, Sept. 6; Serial No. 554,145, published May 17, 1949.

Posts, Adjustable steel. F. A. Weller, Jr. 514,950, Sept. 6; Serial No. 522,006.

Refractories. American Crucible Company. 514,653, Sept. 6; Serial No. 500,728, published May 3, 1949.

Roofing, Asphalt roll, and building paper. The Philip Carey Manufacturing Company. 514,876, Sept. 6; Serial No. 556,282, published May 24, 1949.

Shingles, Asbestos cement. The Philip Carey Manufacturing Company. 514,877, Sept. 6; Serial No. 556,483, published May 17, 1949.

Shingles, Composition. Allied Chemical & Dye Corporation. 514,854, Sept. 6; Serial No. 552,727, published May 3, 1949.

Shingles, slates, tiles, Asbestos-composition, etc., and roofing materials. Keasbey & Mattison Company. 371,071, Sept. 19, 1939. Republished Sept. 6.

Structures, Concrete. Concrete Engineers Company. 514,676, Sept. 6; Serial No. 526,656, published May 17, 1949.

Waterproofing powder. H. B. Bishop. 514,949, Sept. 6; Serial No. 521,497.

Weather stripping, Metal and felt. Macklanburg-Duncan Company. 284,457, June 30, 1931. Republished Sept. 6.

Weather stripping, Metal and felt, metal weather stripping, and felt weather stripping. Macklanburg-Duncan Company. 281,626, Mar. 24, 1931. Republished Sept. 6.

Woodwork, Fabricated. Carr, Adams & Collier Company. 514,774, Sept. 6; Serial No. 545,575, published May 10, 1949.

CLASS 13

Clamps, Garden hose, quick connectors, Y hose connectors, etc. Scovill Manufacturing Company. 514,726, Sept. 6; Serial No. 536,666, published May 24, 1949.

Cookers, Aluminum waterless type, and heavy weight sheet aluminum cookware. Perfection Products Co. 514,943, Sept. 6; Serial No. 498,309.

Couplings, Water meter. The Ford Meter Box Company, Inc. 514,848-9, Sept. 6; Serial No. 552,137-8, published May 31, 1949.

Cups, aprons, and cup covers, Turpentine. Southern States Iron Roofing Company. 514,727, Sept. 6; Serial No. 539,225, published May 31, 1949.

Fasteners, Slide, Talon, Inc. 514,843, Sept. 6; Serial No. 551,919, published May 31, 1949.

Fasteners, Slide operated. G. H. Prentice Manufacturing Company. 514,852-3, Sept. 6; Serial No. 552,402-3, published May 31, 1949.

Fittings, Metal pipe. Walworth Company. 514,744, Sept. 6; Serial No. 542,419, published May 24, 1949.

Handles, Drawer and door. Monogram Manufacturing Company. 514,851, Sept. 6; Serial No. 552,255, published May 31, 1949.

Hangers, Rhoe. J. F. Nebiker. 514,760, Sept. 6; Serial No. 544,101, published May 31, 1949.

Ice creepers. O. A. Norlund Company, Inc. 514,920, Sept. 6; Serial No. 563,978, published May 31, 1949.

Key rings. American Automobile Association. 341,577, Dec. 15, 1936. Republished Sept. 6.

Metal products. Atlantic Stamping Company. 156,200, May 23, 1922. Republished Sept. 6.

Metal screen cloth, hardware cloth, window lifts, etc. Coco Steel Products Corporation. 514,757, Sept. 6; Serial No. 543,886, published May 31, 1949.

Nozzles, Precision atomising. Benjamin Air Rifle Company. 514,682, Sept. 6; Serial No. 528,186, published May 24, 1949.

Pans, Broiler. Cribben and Sexton Company. 514,839, Sept. 6; Serial No. 551,696, published May 24, 1949.

Patches, Metallic clamping. Collette Manufacturing Company. 74,198, re-renewed June 22, 1949. O. G. Sept. 6.

Pipe and pipe fittings, Metal. Taylor Forge & Pipe Works. 305,161, Aug. 8, 1933. Republished Sept. 6.

Posts, Metal fence. Southwest Steel Rolling Mills. 514,750, Sept. 6; Serial No. 543,539, published May 31, 1949.

Pots, kettles, teakettles, etc. The Wagner Manufacturing Company. 514,690, Sept. 6; Serial No. 530,448, published May 24, 1949.

Rivets. Cherry Rivet Company. 514,742, Sept. 6; Serial No. 542,083, published May 24, 1949.

Rivets, Two-part threaded blind. The Dill Manufacturing Company. 514,687, Sept. 6; Serial No. 529,972, published May 31, 1949.

Saucepans, double boilers, kettles, Copper clad stainless steel, etc. Revere Copper and Brass Incorporated. 383,380, Dec. 3, 1940. Republished Sept. 6.

Screws, Thread cutting, locking screws, assembled screws and washers, etc. Illinois Tool Works. 514,706, Sept. 6; Serial No. 534,634, published May 24, 1949.

Sinks, coffee urns, coffee boilers, hot-water urns, etc. Eadman & Scodeld, Inc. 443,333, Sept. 6; Serial No. 478,190, published May 24, 1949.

Staples, Machine. Metal Specialties Manufacturing Co. 514,743, Sept. 6; Serial No. 542,232, published Mar. 1, 1949.

Tea kettles, skillets, and griddles, Base metal. Revere Copper and Brass Incorporated. 405,680, Feb. 15, 1944. Republished Sept. 6.

Trapping and filtering devices, Grease. P. A. Spanos. 443,345, Sept. 6; Serial No. 511,908, published May 24, 1949.

Tubes, Metallic irrigation, sprinkler heads and irrigation tube fittings. Northwest Tube & Metal Fabricators. 514,794, Sept. 6; Serial No. 548,011, published May 11, 1949.

Utensils, Aluminum cooking. Merit Enterprises, Inc. 514,859, Sept. 6; Serial No. 553,731, published May 31, 1949.

Valve, Air cooled heat exchanger surge. Young Radiator Company. 419,297, Feb. 12, 1946. Republished Sept. 6.

Valves. Everlasting Valve Company. 514,634, Sept. 6; Serial No. 551,375, published May 31, 1949.

CLASS 14

Bars, slabs, and billets, Steel. The United Steel Company. 84,298, Nov. 21, 1911. Republished Sept. 6.

Castings, Roller-mill. H. W. Aitken. 74,792, re-renewed Aug. 10, 1949. O. G. Sept. 6.

Metals and alloys thereof, Non-ferrous. Republic Brass Corporation. 266,371, Jan. 14, 1930. Republished Sept. 6.

Metals and alloys thereof, Non-ferrous. Revere Copper and Brass Incorporated. 279,265, Jan. 13, 1931. Republished Sept. 6.

Metals and alloys thereof, Non-ferrous. Revere Copper and Brass Incorporated. 292,770, Mar. 29, 1932. Republished Sept. 6.

Steel products. Firth-Sterling Steel Company. 258,045, renewed June 25, 1949. O. G. Sept. 6.

CLASS 15

Gasoline. Pathfinder Petroleum Company. 388,859, July 15, 1941. Republished Sept. 6.

Gasolines. Phillips Petroleum Company. 256,662, renewed May 21, 1949. O. G. Sept. 6.

Greases, Lubricating. Swan-Finch Oil Corporation. 263,472, renewed Nov. 8, 1949. O. G. Sept. 6.

Oils and compounds, Lubricating. F. W. Steadman Co. 255,333, Apr. 23, 1929. Republished Sept. 6.

CLASS 16

Coating material, Rust, corrosion and abrasive resistant rubberized. Minnesota Mining and Manufacturing Company. 441,797, Jan. 4, 1946. Republished Sept. 6.
Iron-enamel, Japan, touch-up enamel, ready-mixed liquid tire cover paint, etc. The R. M. Hollingshead Co. 222,655, Apr. 22, 1935. Republished Sept. 6.
Paint enamel, floor enamel, ready-mixed house paint, etc. The Con-Perro Paint and Varnish Co. 262,821, renewed Oct. 22, 1949. O. G. Sept. 6.
Paint, paint enamels, stains, etc., Ready-mixed. The Patterson-Sargent Company. 287,981, renewed June 25, 1949. O. G. Sept. 6.
Paints and varnishes, and particularly ready-mixed paints. The Summit Paint & Varnish Company. 256,520, renewed May 21, 1949. O. G. Sept. 6.
Paints and varnishes, Dry, paste, and ready-mixed. Baker Paint & Varnish Co. 257,265, renewed June 4, 1949. O. G. Sept. 6.
Paints and varnishes, Ready-mixed. The Arco Company. 124,261, Feb. 11, 1919. Republished Sept. 6.
Undercoating and sound deadener in the nature of paint, Car body. The Davison Chemical Corporation. 442,512, Apr. 19, 1949. Republished Sept. 6.

CLASS 17

Cigars. Garcia Grande Cigars, Incorporated. 305,603, Aug. 22, 1933. Republished Sept. 6.
Cigars. Santos Cigar Co., Inc. 256,568, renewed May 21, 1949. O. G. Sept. 6.
Cigars. Santos Cigar Co., Inc. 256,573, renewed May 21, 1949. O. G. Sept. 6.

CLASS 19

Signal lenses, Automobile safety reflecting. Doray Lamp Co., Inc. 240,418, Nov. 10, 1936. Republished Sept. 6.
Trucks, Light door-to-door automotive delivery. Marmon-Herrington Company, Inc. 514,944, Sept. 6; Serial No. 501,514.

CLASS 21

Apparatus for supplying impulses of current to electric walking machines. Raytheon Manufacturing Company. 514,644, Sept. 6; Serial No. 479,901, published May 17, 1949.
Batteries, Dry. General Dry Batteries, Inc. 514,833, Sept. 6; Serial No. 551,264, published May 24, 1949.
Batteries, Dry cell and storage. Scranton Battery Corporation. 514,962, Sept. 6; Serial No. 525,256.
Cable [illegible] and non-metallic flexible conduit fittings. The Thomas & Betts Co. 514,791, Sept. 6; Serial No. 547,[illegible], published May 31, 1949.
Cable, non-metallic sheathed electric. Triangle Conduit & Cable Co., Inc. 514,842, Sept. 6; Serial No. 551,630, published May 24, 1949.
Cutting tools, nature of porcelain. Isolantite Inc. 274,534, Jan. 30, 1940. Republished Sept. 6.
Conductors, Insulated electrical. General Cable Corporation. 514,779, Sept. 6; Serial No. 545,736, published May 17, 1949.
Connectors, Electrical. H. B. Sherman Manufacturing Company. 514,948, Sept. 6; Serial No. 517,010.
Control apparatus, Electronic. Automatic Headlight Dimmer Corporation. 514,830, Sept. 6; Serial No. 550,776, published May 24, 1949.
Electric apparatus. Magnavox Power Tool Co. 514,799, Sept. 6; Serial No. 548,597, published May 17, 1949.
Electrical apparatus. McDonald Manufacturing Company. 514,811-12, Sept. 6; Serial Nos. 549,617-19, published May 24, 1949.
Electrical apparatus. Olson Radio Warehouse, Inc. 514,787, Sept. 6; Serial No. 546,597, published May 17, 1949.
Electrical apparatus, Wire Recording Corporation of America. 514,801, Sept. 6; Serial No. 548,893, published Apr. 26, 1949.
Fittings and alloys, Metallic. The Cleveland Heater Company. 514,654, Sept. 6; Serial No. 503,283, published May 24, 1949.
Fittings, Electrical conduit. The Pyle-National Company. 514,825, Sept. 6; Serial No. 550,551, published May 24, 1949.
Fittings, Electric conduit. The Thomas & Betts Co. 514,792, Sept. 6; Serial No. 547,066, published May 24, 1949.
Fixtures, Electric lighting. The Adams & Westlake Company. 44[illegible] 356, Sept. 6; Serial No. 525,518, published May 17, 1949.
Flow-indicating devices, Alternating-current. Minerallac Electric Company. 261,848, Sept. 24, 1929. Republished Sept. 6.
Fuses and cut-outs, Electric. Bussmann Manufacturing Company. 132,907, July 6, 1920. Republished Sept. 6.
Fuses and cut-outs, Electric. Bussmann Manufacturing Company. 135,207, Sept. 28, 1920. Republished Sept. 6.
Garbage disposal unit, Electrically-driven. M. Muchnick. 514,820, Sept. 6; Serial No. 550,722, published May 24, 1949.
Heaters, Electric air. Markel Electric Products, Inc. 514,955, Sept. 6; Serial No. 530,090.
Insulation, Bonded mica. New England Mica Company. 514,629-3, Sept. 6; Serial Nos. 551,651-3, published May 24, 1949.
Insulators, Ceramic. Isolantite Company of America, Inc. 265,224, July 21, 1931. Republished Sept. 6.
Irons, Electric. Century Precision Works, Inc. 443,359, Sept. 6; Serial No. 525,544, published May 24, 1949.
Lamps, and reflectors therefor, Electric. Doray Lamp Co., Inc. 334,624, May 12, 1936. Republished Sept. 6.
Lamps, Electric signal. Doray Lamp Co., Inc. 332,727, Feb. 25, 1936. Republished Sept. 6.
Lamps, Electric table. W. D. Smith. 514,961, Sept. 6; Serial No. 552,610.
Lamps, Electrical. Schiller Bros. 514,820, Sept. 6; Serial No. 550,356, published May 24, 1949.
Loud speakers. Autocrat Inc. 514,962, Sept. 6; Serial No. 554,204.
Magnets and magnetic pulleys. Dings Magnetic Separator Co. 514,775, Sept. 6; Serial No. 545,623, published May 17, 1949.
Marine apparatus, Electrical. The Portable Light Co., Inc. 514,696, Sept. 6; Serial No. 533,373, published May 17, 1949.
Material, Electrical insulation. Irvington Varnish & Insulator Company. 514,797, Sept. 6; Serial No. 546,374, published May 31, 1949.
Mechanical apparatus, Electro. Airborne Accessories Corporation. 514,741, Sept. 6; Serial No. 542,063, published May 24, 1949.
Panelboards, Electrical. BullDog Electric Products Company. 514,802, Sept. 6; Serial No. 548,916, published May 31, 1949.
Receiving sets, Radio, and radio tubes. Western Auto Supply Company. 514,860, Sept. 6; Serial No. 553,761, published May 31, 1949.
Rectifiers of the thermionic tube. Syntron Company. 514,810, Sept. 6; Serial No. 549,763, published May 24, 1949.
Roasters, Electric coffee. A. S. Torres. 443,337, Sept. 6; Serial No. 499,925, published May 17, 1949.
Signalling and control apparatus, Radio. Collins Radio Company. 514,942, Sept. 6; Serial No. 491,234.
Signs, Electrical advertising. American Automobile Association. 342,145, Jan. 5, 1937. Republished Sept. 6.
Signs, mechanical or structural, non-electric traffic and street signs, etc. American Automobile Association. 344,376, Mar. 23, 1937. Republished Sept. 6.
Sound recording machines, Electrical, electrically controlled phonograph turntables, etc. Duotone Company, Inc. 514,845, Sept. 6; Serial No. 552,044, published May 24, 1949.
Storage batteries. The General Tire & Rubber Company. 514,816, Sept. 6; Serial No. 549,920, published May 24, 1949.
Stoves, Electric. Cory Corporation. 509,301, May 3, 1949. Corrected. O. G. Sept. 6.
Stoves, Electric, and electric ranges. Noble & Harris. 263,481, renewed Nov. 5, 1949. O. G. Sept. 6.
Telephonic receiving and talking instruments, telephonic switchboards, telephonic central exchange apparatus, etc. Stromberg-Carlson Company. 514,957, Sept. 6; Serial No. 533,946.
Welding outfits, Portable electrical. Welding Service, Inc. 260,119, renewed Aug. 20, 1949. O. G. Sept. 6.
Welding units and machines, Electric arc. National Cylinder Gas Company. 514,759, Sept. 6; Serial No. 544,100, published May 24, 1949.
Wire, Electric insulated. A. H. Surprenant. 443,334, Sept. 6; Serial No. 497,580, published May 31, 1949.
Wire, Round and flat. Wilbur B. Driver Company. 514,857, Sept. 6; Serial No. 553,352, published May 31, 1949.

CLASS 22

Fish bait, Artificial. W. W. Warren. 514,956, Sept. 6; Serial No. 533,799.
Playing cards. Brown & Bigelow. 514,945, Sept. 6; Serial No. 503,548.
Skates. Eskilstuna Jernmanufaktur Aktiebolag. 256,989, renewed May 28, 1949. O. G. Sept. 6.

CLASS 23

Attachment for power-driven hand tools, Speed reducing. Drilo Corporation. 443,351, Sept. 6; Serial No. 521,002, published May 24, 1949.
Bombs, Filled and unfilled canister-type. Enterprise Industries. 443,336, Sept. 6; Serial No. 499,218, published May 31, 1949.
Boring and grinding machines, boring tools, grinding tools, and parts thereof. Simplicity Engine and Manufacturing Company. 207,176, Dec. 22, 1925. Republished Sept. 6.
Chains and parts thereof, Power transmission. Diamond Chain Company, Inc. 514,675, Sept. 6; Serial No. 526,529, published May 31, 1949.
Chucks. Thomas Hoist Company. 514,738, Sept. 6; Serial No. 541,606, published May 24, 1949.
Clamps, Carpenter's. The Cincinnati Tool Company. 514,783, Sept. 6; Serial No. 546,079, published May 31, 1949.
Cups, Elevator. K. I. Willis Corporation. 514,714, Sept. 6; Serial No. 536,737, published May 31, 1949.
Cutting tools, Hand edge. Russell Harrington Cutlery Company. 443,353, Sept. 6; Serial No. 523,283, published May 31, 1949.

Dippers and parts thereof, Power-operated excavating. American Brake Shoe Company. 514,737, Sept. 6; Serial No. 541,485, published May 31, 1949.
Engines, Internal combustion. R. Lehman. 514,768, Sept. 6; Serial No. 545,006, published May 31, 1949.
Feed mixers, Mechanical. Moorman Manufacturing Company. 401,116, Apr. 27, 1943. Republished Sept. 6.
Fire extinguishers, Portable. The General Detroit Corp. 514,672, Sept. 6; Serial No. 523,260, published May 24, 1949.
Fire-extinguishing systems and parts thereof, Automatic and manual. CO_2 Fire Equipment Company. 256,790, renewed May 21, 1949. O. G. Sept. 6.
Grips for messenger, guy strand, and conductor cables. Mathias Klein & Sons. 514,767, Sept. 6; Serial No. 544,879, published May 31, 1949.
Hammers, French, cobblers' hammers, nippers. Standard Shoe Machinery Company. 514,702, Sept. 6; Serial No. 534,201, published May 24, 1949.
Heat exchangers, Air cooled chimney type. Young Radiator Company. 427,393, Feb. 11, 1947. Republished Sept. 6.
Jacks, Hydraulic. General Fluid Machinery Co., Inc. 514,698, Sept. 6; Serial No. 533,724, published May 31, 1949.
Knives. Lamson & Goodnow Manufacturing Company. 514,745, Sept. 6; Serial No. 542,598, published May 31, 1949.
Lawn mowers. Worcester Lawn Mower Company. 235,857-8, renewed Nov. 29, 1947. O. G. Sept. 6.
Lawn mowers. Worcester Lawn Mower Company. 237,002-3, renewed Jan. 3, 1948. O. G. Sept. 6.
Liftrucks, Power. Revolvator Company. 514,805, Sept. 6; Serial No. 549,464 published May 24, 1949.
Machinery, Farm. Frick Company, Inc. 514,674, Sept. 6; Serial No. 524,450, published May 31, 1949.
Machines for making and machines for trimming all classes of household, personal and industrial brushes. Carlson Tool and Machine Company. 514,756, Sept. 6; Serial No. 543,883, published May 24, 1949.
Metal products. Atlantic Stamping Company. 155,200, May 23, 1922. Republished Sept. 6.
Metal working machinery, woodworking machinery, woodworking tools etc. Greenlee Bros. & Co. 514,729-30, Sept. 6; Serial Nos. 539,869-70, published May 31, 1949.
Milling machines. Associated Patentees, Inc. 514,958, Sept. 6; Serial No. 541,750.
Motors, Outboard. Atlas Supply Company. 514,766, Sept. 6; Serial No. 544,840, published May 31, 1949.
Pop corn machines. C. Cretors & Co. 514,780, Sept. 6; Serial No. 545,960, published May 31, 1949.
Presses, Hydraulic, hydraulic accumulators, hydraulic pumps, etc. Fred S. Carver, Inc. 514,666, Sept. 6; Serial No. 516,670, published May 24, 1949.
Pumps, Centrifugal. Ampco Metal, Inc. 514,819, Sept. 6; Serial No. 550,286, published May 24, 1949.
Pumps, Force feed lubricator, chemical feeders, wheel pullers, piston ring compressors, etc. Mansel, Inc. 514,694, Sept. 6; Serial No. 533,184, published May 31, 1949.
Saws. Simonds Saw and Steel Company. 263,267, renewed Nov. 5, 1949. O. G. Sept. 6.
Saws. Simonds Saw and Steel Company. 263,982, renewed Nov. 12, 1949. O. G. Sept. 6.
Saws, razors, shoemakers' knives, and other edged tools, etc. E. A. Bergs Fabriks Aktiebolag. 315,576, July 31, 1934. Republished Sept. 6.
Separating and cleaning machines, Grain. Hart-Carter Company. 514,798, Sept. 6; Serial No. 548,585, published May 31, 1949.
Servic equipment, Automobile. J. D. Cochin. 514,668, Sept. 6; Serial No. 517,619, published May 31, 1949.
Sewing machines and attachments. Free Sewing Machine Co. 514,751-2, Sept. 6; Serial Nos. 543,595-6, published May 24, 1949.
Tongs. The Richter & Phillips Company. 363,105, Dec. 13, 1938. Republished Sept. 6.
Tongs, razors, common plane iron, etc. E. A. Bergs Fabriks Aktiebolag. 208,290, Jan. 26, 1926. Republished Sept. 6.
Tools of all kinds, Hand. Shapleigh Hardware Company. 514,788, Sept. 6; Serial No. 546,622, published May 31, 1949.
Tools, Power-driven bench material working. Central Industries, Inc. 514,656, Sept. 6; Serial No. 508,573, published May 24, 1949.
Tractor, Garden all-purpose. Southern Coal Company, Incorporated. 514,814, Sept. 6; Serial No. 549,849, published May 24, 1949.
Turbines, turbine engines, pump strainers, etc. Nash Engineering Company. 259,615, Aug. 6, 1929. Republished Sept. 6.
Wire drawing machines, wire grinding machines, etc. The Vaughn Machinery Company. 514,684, Sept. 6; Serial No. 529,216, published May 24, 1949.
Wrenches. Air Reduction Sales Company. 514,808, Sept. 6; Serial No. 549,689, published May 24, 1949.

CLASS 24

Laundry washers, Portable electric. Chicago Electric Manufacturing Company. 514,835, Sept. 6; Serial No. 551,527, published May 31, 1949.
Press pads. Resilio Company. 514,796, Sept. 6; Serial No. 548,292, published Apr. 26, 1949.

Wash boilers, Domestic metal. Revere Copper and Brass Incorporated. 404,686, Dec. 14, 1943. Republished Sept. 6.
Washing machines and ironing machines. Horton Manufacturing Company. 514,764, Sept. 6; Serial No. 544,449, published May 17, 1949.
Washing machines and parts thereof. Borg-Warner Corporation. 514,790, Sept. 6; Serial No. 546,933, published May 31, 1949.

CLASS 26

Accounting machines, adding typewriters, calculating and computing machines, etc. The National Cash Register Company. 264,236-7, renewed Nov. 19, 1949. O. G. Sept. 6.
Apparatus for gauging, checking, balancing, and correcting the alignment, shape and positioning of wheels, etc. Manbee Equipment Company, Inc. 514,671, Sept. 6; Serial No. 519,965, published May 24, 1949.
Cameras. Zenith Camera Corporation. 514,663, Sept. 6; Serial No. 513,545, published May 24, 1949.
Film, Motion picture. National Broadcasting Company, Inc. 298,745-6, Nov. 1, 1932. Canceled. O. G. Sept. 6.
Films, Motion picture, sound films, combined sound and motion picture films, etc. Look Incorporated. 409,538, Oct. 10, 1944. Republished Sept. 6.
Finishing equipment, Refrigerated photographic. Photo Refrigeration Equipment Co. 514,746, Sept. 6; Serial No. 542,876, published May 24, 1949.
Goggles, Exercising. W. Estep. 514,763, Sept. 6; Serial No. 544,258, published May 17, 1949.
Goggles, face shields, and carbon monoxide detectors. A. F. Parmalee. 514,947, Sept. 6; Serial No. 515,678.
Lenses and lens blanks, Multi-focal spectacle. Modern Optics, Inc. 514,689, Sept. 6; Serial No. 530,417, published May 10, 1949.
Lenses, Ophthalmic. Continental Optical Company, Inc. 514,704, Sept. 6; Serial No. 534,416, published May 10, 1949.
Meters, Electric. Rawson Electrical Instrument Co. 256,542, renewed May 21, 1949. O. G. Sept. 6.
Patterns, Men's, women's, and children's garment and accessory, doll and toy patterns, and needlecraft patterns. Simplicity Pattern Co. Inc. 514,739, Sept. 6; Serial No. 541,710, published May 3, 1949.
Photographic print washers. The Haloid Company. 514,946, Serial No. 509,984.
Rules, folding rules, and extension rules. Master Rule Manufacturing Co., Inc. 514,748, Sept. 6; Serial No. 543,310, published May 10, 1949.
Shutters for cameras, Photographic. Universal Camera Corporation. 435,538, Dec. 30, 1947. Republished Sept. 6.
Thermometers. Taylor Instrument Companies. 256,752, renewed May 21, 1949. O. G. Sept. 6.
Thermometers, binocular, field glasses, etc. American Thermo-Ware Company. 182,104, Apr. 1, 1924. Republished Sept. 6.

CLASS 27

Clocks. General Time Instruments Corporation. 514,897, Sept. 6; Serial No. 560,331, published May 10, 1949.
Clocks and watches. B. Leichter. 514,933, Sept. 6; Serial No. 566,466, published May 24, 1949.
Watches. Elgin National Watch Company. 256,570, renewed May 21, 1949. O. G. Sept. 6.
Watches. Emil Leichter Watch Co., Inc. 514,879, Sept. 6; Serial No. 556,801, published May 24, 1949.
Watches. Emil Leichter Watch Co., Inc. 514,898, Sept. 6; Serial No. 560,484, published May 24, 1949.
Watches. Emil Leichter. 514,937, Sept. 6; Serial No. 568,202, published May 24, 1949.
Watches. Movado Watch Agency, Inc. 514,932, Sept. 6; Serial No. 566,436, published May 24, 1949.
Watches. Viking Mercantile Corp. 514,930, Sept. 6; Serial No. 565,464, published May 24, 1949.
Watches and parts thereof. G. N. Wallace. 411,551, Jan. 23, 1945. Republished Sept. 6.
Watches and watch dials. Jack Gutschneider Jewelry Co., Inc. 514,960, Sept. 6; Serial No. 548,967.

CLASS 28

Articles made of silver. Concord Silversmiths, Inc. 299,390, Dec. 6, 1932. Republished Sept. 6.
Flat-ware, Silver-plated. The International Silver Company. 514,923, Sept. 6; Serial No. 564,997, published May 24, 1949.
Necklaces, bracelets, earrings, etc. Coro, Inc. 414,765, June 26, 1945. Republished Sept. 6.
Rings, Finger. J. P. Byrne & Sons, Co. 514,931, Sept. 6; Serial No. 565,687, published May 24, 1949.

CLASS 29

Brushes. Nu-Enamel Corporation. 514,754, Sept. 6; Serial No. 543,732, published May 24, 1949.
Brushes. The Sherwin-Williams Company. 514,826, Sept. 6; Serial No. 550,560, published May 31, 1949.
Brushes, Artists'. M. Grumbacher, Inc. 514,758, Sept. 6; Serial No. 544,082, published May 24, 1949.
Brushes, Artists', paint brushes. Whiting-Adams Company, Inc. 514,659, Sept. 6; Serial No. 513,351, published May 24, 1949.

Brushes, Artists', paint brushes. Whiting-Adams Company, Inc. 514,660, Sept. 6; Serial No. 513,359, published May 24, 1949.
Brushes, Artists', paint brushes. Whiting-Adams Company, Inc. 514,661, Sept. 6; Serial No. 513,362, published May 24, 1949.
Brushes, Artists', paint brushes. Whiting-Adams Company, Inc. 514,662, Sept. 6; Serial No. 513,366, published May 24, 1949.
Brushes, Hair. Lactona Incorporated. 509,044, Apr. 26, 1949. Corrected. O. G. Sept. 6.
Brushes, Hair and clothes. S. A. Watts. 514,666, Sept. 6; Serial No. 554,748, published May 24, 1949.
Cloths for polishing, waxing, and cleaning. Ben Krieger & Company, Inc. 514,901, Sept. 6; Serial No. 561,198, published May 31, 1949.
Mops, Sponge type floor. Linmop Manufacturing Company. 514,868, Sept. 6; Serial No. 554,991, published May 31, 1949.
Powder puffs and eyelash brushes. Lehn & Fink Products Corporation. 514,883, Sept. 6; Serial No. 558,146, published May 31, 1949.
Toothbrushes. Addis Limited. 514,844, Sept. 6; Serial No. 552,029, published May 24, 1949.

CLASS 32

Bed-springs. Leggett & Platt, Inc. 514,755, Sept. 6; Serial No. 543,815, published May 3, 1949.
Comforts, blankets, bedspreads, etc. J. G. Comfort Company. 328,609, Oct. 1, 1935. Republished Sept. 6.

CLASS 33

Ampoules, Glass. Kimble Glass Company. 253,315, Feb. 26, 1929. Republished Sept. 6.

CLASS 34

Stoves, Coal-burning brooder. The Buckeye Incubator Company. 256,058, renewed May 7, 1949. O. G. Sept. 6.

CLASS 35

Belts, Leather. Chas. A. Schieren Company. 257,522, renewed June 11, 1949. O. G. Sept. 6.
Covers, Tire. American Automobile Association. 341,578, Dec. 15, 1936. Republished Sept. 6.
Tires and tubes, Rubber. Atlas Supply Company. 261,088, renewed Sept. 3, 1949. O. G. Sept. 6.

CLASS 36

Organs, both reed and pipe, etc. Musical Research Products, Inc. 326,936, Aug. 13, 1935. Canceled. O. G. Sept. 6.
Phonographs, records, phonograph needles, and phonograph parts. Continental Corporation. 256,608, renewed May 21, 1949. O. G. Sept. 6.

CLASS 37

Cardboard, mat board, art poster board, etc. Chicago Cardboard Company. 222,548, Jan. 4, 1927. Republished Sept. 6.
Envelopes. Cohoes Envelope Company, Inc. 368,429, June 20, 1939. Republished Sept. 6.
Paper, Absorbent-cellulose. The General Cellulose Company, Inc. 319,037, Nov. 13, 1934. Republished Sept. 6
Paper, Wrapping. Crown Zellerbach Corporation. 514,649, Sept. 6; Serial No. 488,588, published Apr. 26, 1949.
Paper, Writing, envelopes, wrapping paper, etc. American Automobile Association. 343,877, Mar. 9, 1937. Republished Sept. 6.
Papers, Lining, wrapping, printing, and writing. Katahdin Pulp and Paper Company. 86,304, Apr. 30, 1912. Republished Sept. 6.
Sheet material. Minnesota Mining and Manufacturing Company. 433,291, Oct. 7, 1947. Republished Sept. 6.
Tablets, Pencil, composition note books, loose-leaf paper, etc. Montag Brothers, Inc. 334,066, Apr. 21, 1936. Republished Sept. 6.
Tablets, practice paper, blank labels, etc. Kurtz Bros. 219,420, Oct. 19, 1926. Corrected. O. G. Sept. 6.
Towels, Paper. U. S. Sanitary Specialties Corporation. 264,470, renewed Nov. 26, 1949. O. G. Sept. 6.

CLASS 38

Books. Sir Isaac Pitman & Sons. 32,964, re-renewed May 30, 1949. O. G. Sept. 6.
Books and periodicals. Caballeros de Dimas-Alang, Inc. 514,941, Sept. 6; Serial No. 548,564, published Dec. 7, 1948.
Cartoon page and/or strip, Newspaper. The Hearst Corporation. 442,500, Apr. 19, 1949. Republished Sept. 6.
Decalcomania transfers and slip-offs, advertising display cards, and street-car cards. Western Lithograph Company. 257,380, renewed June 4, 1949. O. G. Sept. 6.
Magazine, Regularly issued. The Register & Tribune Company. 349,191, Aug. 24, 1937. Republished Sept. 6.
Maps, pamphlets, books, Printed, etc. American Automobile Association. 342,144, Jan. 5, 1937. Republished Sept. 6.
Maps, printed touring and route information and other printed publications. American Automobile Association. 112,980, Oct. 10, 1916. Republished Sept. 6.
Newspaper. Mobile Daily Newspapers, Inc. 361,820-1, Nov. 1, 1938. Republished Sept. 6.
Newspaper, Daily. Mobile Press Publishing Company. 261,348, renewed Sept. 17, 1949. O. G. Sept. 6.
Newspaper section. Star Company. 94,215, Nov. 11, 1913. Republished Sept. 6.
Publication, Monthly. W. W. White. 139,664, Feb. 8, 1921. Republished Sept. 6.
Publication, Periodical. V. S. Fox. 371,155, Sept. 19, 1939. Canceled. O. G. Sept. 6.
Publications. Opportunity Publishing Co. 330,120, Nov. 19, 1935. Corrected. O. G. Sept. 6.
Section or column of a newspaper. Mobile Daily Newspapers, Inc. 382,785, Nov. 12, 1940. Republished Sept. 6.

CLASS 39

Aprons. A. L. S. Carroll. 514,832, Sept. 6; Serial No. 551,228, published May 3, 1949.
Aprons, make-up capes, and shower caps. Sperber Company. 443,352, Sept. 6; Serial No. 522,652, published May 3, 1949.
Blouses and dresses, Women's and misses'. Joan Kenley, Inc. 514,824, Sept. 6; Serial No. 550,520, published May 3, 1949.
Blouses, shirts, and jacket blouses. Owen-Morgan, Inc. 514,708, Sept. 6; Serial No. 535,596, published May 3, 1949.
Boots and shoes. The Highland Shoe Co., Inc. 262,931, renewed Oct. 29, 1949. O. G. Sept. 6.
Brassières. Tichenor & Ferguson. 514,856, Sept. 6; Serial No. 553,318, published May 17, 1949.
Chemises, negligees, etc. Women's and misses'. Dutchess Underwear Co. 349,565, Aug. 31, 1937. Corrected. O. G. Sept. 6.
Cloaks and suits, Ladies'. The Carl-Mann Cloak Co. 514,815, Sept. 6; Serial No. 549,863, published May 10, 1949.
Clothes, Women's sport. A. Greenwald. 514,665, Sept. 6; Serial No. 515,660, published Apr. 26, 1949.
Clothing. The B. V. D. Corporation. 367,184, May 9, 1939. Republished Sept. 6.
Clothing, Children's. Sears, Roebuck and Co. 514,818, Sept. 6; Serial No. 550,096, published Apr. 26, 1949.
Clothing, Men's. Top-O-Mart Clothes, Inc. 514,693, Sept. 6; Serial No. 532,069, published Apr. 19, 1949.
Coats and suits, Ladies' and misses'. Sportowne Coat Co. Inc. 377,198, Apr. 23, 1940. Republished Sept. 6.
Coats and suits, Ladies' and misses'. Sportowne Coat Co. Inc. 390,957, Oct. 14, 1941. Republished Sept. 6.
Coats and suits, Ladies' and misses' sports and travel. Sportowne Coat Co., Inc. 317,317, Sept. 18, 1934. Republished Sept. 6.
Coats, jackets, and vests. Leatherkraft, Inc. 514,688, Sept. 6; Serial No. 530,409, published Apr. 19, 1949.
Coats, pants, vests, etc. Men's. B. E. Block & Bros. 514,689, Sept. 6; Serial No. 518,341, published Apr. 26, 1949.
Coats, suits, and dresses, Ladies' and misses'. Monarch Garment Corp. 514,701, Sept. 6; Serial No. 534,174, published May 3, 1949.
Coats, vests, trousers, knickerbockers, etc. J. Schoeneman, Incorporated. 261,211–12, Sept. 10, 1929. Republished Sept. 6.
Coats, vests, trousers, knickerbockers, etc. J. Schoeneman, Incorporated. 261,214, Sept. 10, 1929. Republished Sept. 6.
Dresses, Children's and infants'. Nannette Manufacturing Company, Inc. 514,827, Sept. 6; Serial No. 550,604, published May 10, 1949.
Dresses, gowns, frocks, blouses, children's dresses, shirts, etc. Tootal Broadhurst Lee Company Limited. 371,830, Oct. 10, 1939. Republished Sept. 6.
Dresses, Ladies' silk, ladies' wool dresses, ladies' cotton dresses etc. M. Shuwarger. 276,255, Oct. 14, 1930. Republished Sept. 6.
Dresses, Women's and little women's. Weinberg-Weinberg-Alpern. 514,692, Sept. 6; Serial No. 531,558, published May 3, 1949.
Garments, Men's, women's, and children's. H. W. Lawson Manufacturing Company. 514,781–2, Sept. 6; Serial Nos. 545,999–6,000, published May 3, 1949.
Garments, Women's, misses', girls', children's, and toddlers' outer wear. Justin McCarty, Inc. 514,658, Sept. 6; Serial No. 512,129, published May 10, 1949.
Gloves, Work. Wells-Lamont-Smith Corporation. 377,222, Apr. 23, 1940. Canceled. O. G. Sept. 6.
Hair nets. A. C. Gill and Cleaver Limited. 514,841, Sept. 6; Serial No. 551,794, published May 10, 1949.
Hat bodies, Felt and straw. Henry Pollak, Inc. 514,734, Sept. 6; Serial No. 540,571, published May 3, 1949.
Hat stay, Men's. Martin Jacobi, Inc. 514,736, Sept. 6; Serial No. 541,423, published May 17, 1949.
Hats and caps, Men's and boys'. Stevens Hat Company. 443,350, Sept. 6; Serial No. 518,921, published May 3, 1949.
Hats, Men's, boys' and women's. Stylepark Hats, Inc. 514,769, Sept. 6; Serial No. 545,404, published May 3, 1949.
Hosiery and underwear, Ladies' knitted. Levin Brothers. 261,233, renewed Sept. 10, 1949. O. G. Sept. 6.
Jackets, for men and boys, Water and wind repellant. Gean Edwards Manufacturing Company. 443,348, Sept. 6; Serial No. 517,047, published Nov. 9, 1948.

Neckties, cravats, and scarfs. Cohan & Roth, Incorporated. 443,343, Sept. 6; Serial No. 507,875, published May 3, 1949.
Overalls, Children's, boys' pajamas, snowsuits, etc. M. D. Ackerman. 514,732, Sept. 6; Serial No. 540,858, published May 3, 1949.
Overalls, jumpers, play suits, etc. The Black Manufacturing Co. 263,690, renewed Nov. 12, 1949. O. G. Sept. 6.
Overalls, raincoats, and belts for outer wear. American Automobile Association. 344,381, Mar. 23, 1937. Republished Sept. 6.
Overcoats and topcoats, Men's, young men's, women's, misses' and juniors'. C. B. Shane Corporation. 514,664, Sept. 6; Serial No. 514,854, published Mar. 22, 1949.
Pajamas, Men's, and ladies' blouses. Westmoor Manufacturing Co. 443,344, Sept. 6; Serial No. 509,061, published Apr. 27, 1948.
Pajamas, Men's, women's, and children's one piece, two piece pajama suits, nightshirts and nightgowns. H. Levenson. 429,806, May 20, 1947. Republished Sept. 6.
Sheetings, diapers, Antiseptic waterproof, and waterproof undergarments. A. L. Sweetser. 39,227, Nov. 11, 1902. Corrected. O. G. Sept. 6.
Shirts for men and boys, Dress. J. H. Bonck Co. 278,168, Dec. 9, 1930. Republished Sept. 6.
Shirts, Men's, and boys' dress and negligee, and boys' blouses. Elder Manufacturing Company. 263,292, renewed Nov. 5, 1949. O. G. Sept. 6.
Shirts, Men's dress, and men's sport shirts. Burgand Shirt Company, Incorporated. 514,786, Sept. 6; Serial No. 546,553, published May 3, 1949.
Shirts, Men's outer. H. Fishman & Son. 443,349, Sept. 6; Serial No. 518,883, published May 3, 1949.
Shirts, Men's outer. C. F. Hathaway Co. 514,700, Sept. 6; Serial No. 533,890, published Apr. 19, 1949.
Shirts, Negligee and sport. The Manhattan Shirt Company. 263,758, renewed Nov. 12, 1949. O. G. Sept. 6.
Shirts, pants, and jackets, Outer. Oberman & Company. 514,717, Sept. 6; Serial No. 537,227, published Apr. 26, 1949.
Shirts, Work, negligee, sport and dress. M. & S. Shirt Company, Inc. 514,699, Sept. 6; Serial No. 538,756, published Apr. 19, 1949.
Shoes. H. O. Rondeau Shoe Co., Inc. 437,840, Mar. 30, 1948. Republished Sept. 6.
Shoes. Stone-Tarlow Co., Inc. 420,113, Mar. 26, 1946. Republished Sept. 6.
Shoes. Stone-Tarlow Co., Inc. 421,165, May 21, 1946. Republished Sept. 6.
Shoes and slippers, Ladies' and misses'. H. O. Rondeau Shoe Co., Inc. 386,184, Mar. 25, 1941. Republished Sept. 6.
Shoes, Infants', children's, growing girls', women's, misses', men's, and boys'. J. Edwards & Company, Inc. 262,966, renewed Oct. 29, 1949. O. G. Sept. 6.
Shoes, Ladies' and misses'. H. O. Rondeau Shoe Co., Inc. 359,545, Aug. 23, 1938. Republished Sept. 6.
Shoes, Leather. Stone-Tarlow Co., Inc. 377,837, May 14, 1940. Republished Sept. 6.
Shoes, Leather. Stone-Tarlow Co., Inc. 377,850, May 14, 1940. Republished Sept. 6.
Shoes of leather, etc. Emerson Shoe Manufacturing Company. 250,980, Oct. 19, 1926. Amended. O. G. Sept. 6.
Slips, nightgowns, pajamas, Ladies', etc. Miss Coquette, Inc. 441,944, Feb. 1, 1949. Republished Sept. 6.
Suits, overcoats, topcoats, etc., Men's and boys'. Allied Stores Corporation. 514,657, Sept. 6; Serial No. 510,046, published Apr. 26, 1949.
Suits, Women's and misses' two-piece. The Wallace Co., Inc. 514,803, Sept. 6; Serial No. 549,198, published May 3, 1949.
Sweaters, sweater coats and vests, and hosiery. Best & Co. Inc. 253,968, Mar. 12, 1929. Republished Sept. 6.
Swim suits and trunks, Men's and women's. Gantner & Mattern Company. 443,338, Sept. 6; Serial No. 504,830, published Apr. 19, 1949.
Underwear, Ladies' silk. Julius Kayser & Co. 256,879, May 29, 1929. Republished Sept. 6.
Underwear, Men's. Cooper's, Incorporated. 392,120, Dec. 9, 1941. Republished Sept. 6.
Underwear, nightgowns, slips, Ladies', etc. Peerless Undergarment Co. 384,123, Jan. 7, 1941. Republished Sept. 6.
Wear, Children's. Ely & Walker Dry Goods Company. 514,651, Sept. 6; Serial No. 498,215, published May 3, 1949.
Wearing apparel, Boys' and youths'. Kresge Department Store Corporation. 263,423, renewed Nov. 5, 1949. O. G. Sept. 6.

CLASS 41

Canes and umbrellas. Dobbs & Co. 279,378, Jan. 13, 1931. Republished Sept. 6.

CLASS 42

Blankets. Chatham Manufacturing Company. 514,986, Sept. 6; Serial No. 567,957, published May 17, 1949.
Bunting. Annin & Co. 514,934, Sept. 6; Serial No. 567,747, published May 17, 1949.
Carpets and rugs, Textile. Alexander Smith & Sons Carpet Company. 514,733, Sept. 6; Serial No. 540,470, published May 10, 1949.
Carpets and rugs, Textile and wool. Alexander Smith & Sons Carpet Company. 514,770, Sept. 6; Serial No. 545,545, published May 17, 1949.
Carpets and rugs, Textile and wool. Alexander Smith & Sons Carpet Company. 514,771, Sept. 6; Serial No. 545,547, published May 17, 1949.
Carpets and rugs, Textile and wool. Alexander Smith & Sons Carpet Company. 514,772–3, Sept. 6; Serial Nos. 545,550–1, published May 17, 1949.
Chiffon in-the-piece. Stern and Stern Textiles, Inc. 514,731, Sept. 6; Serial No. 540,118, published May 10, 1949.
Colth, Woven. S. Stroock & Co. Inc. 514,887, Sept. 6; Serial No. 558,956, published May 17, 1949.
Comforts, blankets, bedspreads, etc. J. G. Comfort Company. 328,609, Oct. 1, 1935. Republished Sept. 6.
Covers, Pillow and mattress. Talon, Inc. 514,672, Sept. 6; Serial No. 527,854, published May 24, 1949.
Curtains, Pullman. Talon, Inc. 514,840, Sept. 6; Serial No. 551,746, published May 17, 1949.
Curtains, Window and shower. House Beautiful Curtains, Inc. 514,914, Sept. 6; Serial No. 563,251, published May 17, 1949.
Fabric, Woven. Cameo Fabrics Inc. 514,711, Sept. 6; Serial No. 536,045, published May 10, 1949.
Fabrics. William Skinner & Sons. 514,753, Sept. 6; Serial No. 543,662, published May 10, 1949.
Fabrics for shirts, Cotton. Rodney Fielding, Inc. 514,809, Sept. 6; Serial No. 549,754, published May 10, 1949.
Fabric in the piece, Corded cotton. Dan River Mills, Incorporated. 514,889, Sept. 6; Serial No. 559,214, published May 24, 1949.
Fabrics in the piece, Textile. Crest Fabrics Corp. 514,861, Sept. 6; Serial No. 554,012, published May 10, 1949.
Fabrics in the piece, Textile. Double Woven Corporation of America. 514,935, Sept. 6; Serial No. 567,835, published May 10, 1949.
Fabrics in the piece, Woolen. Sol Fletcher, Inc. 514,804, Sept. 6; Serial No. 549,356, published May 10, 1949.
Fabrics in the piece, Woolen. Pacific Mills. 443,335, Sept. 6; Serial No. 497,963, published May 10, 1949.
Fabrics, Rayon. Neisler Mills, Inc. 514,938, Sept. 6; Serial No. 568,522, published May 17, 1949.
Fabrics, Woven. Rockweave Mills, Division Callaway Mills. 262,467, renewed Oct. 15, 1949. O. G. Sept. 6.
Fabrics, Woven. Rockweave Mills, Division Callaway Mills. 263,123, renewed Oct. 29, 1949. O. G. Sept. 6.
Fabrics, Woven textile. Cameo Fabrics Inc. 514,712, Sept. 6; Serial No. 536,048, published May 10, 1949.
Fabrics, Woven textile. Cameo Fabrics Inc. 514,761, Sept. 6; Serial No. 544,151, published May 10, 1949.
Goods, Cloth. Samsoons, Inc. 514,846–7, Sept. 6; Serial No. 552,085–6, published May 24, 1949.
Goods, Cotton. E. W. Kunz. 262,098, Oct. 1, 1929. Republished Sept. 6.
Goods in the piece and in cut lengths, Woolen. S. Stein & Co., Inc. 514,939, Sept. 6; Serial No. 568,685, published May 17, 1949.
Linen and hemp piece goods. Robinson & Cleaver Limited. 441,808, Jan. 4, 1949. Republished Sept. 6.
Material, Slip cover, awning fabrics, and coated and uncoated canvas fabrics. Crawford Manufacturing Co., Inc. 514,795, Sept. 6; Serial No. 548,238, published May 17, 1949.
Piece goods. Cluett, Peabody & Co., Inc. 514,828, Sept. 6; Serial No. 550,670, published May 10, 1949.
Piece goods. Samuel Scher & Son, Inc. 514,855, Sept. 6; Serial No. 507,222, published Nov. 23, 1948.
Piece goods. Stonecutter Mills Corporation. 514,747, Sept. 6; Serial No. 543,234, published May 17, 1949.
Piece goods. Tootal Broadhurst Lee Company Limited. 338,033, Aug. 25, 1936. Republished Sept. 6.
Piece goods. Tootal Broadhurst Lee Company Limited. 354,658, Feb. 15, 1938. Republished Sept. 6.
Piece goods and blankets. Pendleton Woolen Mills. 514,710, Sept. 6; Serial No. 535,994, published May 17, 1949.
Piece goods, Cotton. New Braunfels Textile Mills. 514,872, Sept. 6; Serial No. 556,116, published May 17, 1949.
Piece goods, Cotton. Tootal Broadhurst Lee Company Limited. 77,496, Apr. 12, 1910. Republished Sept. 6.
Piece goods, Cotton. Tootal Broadhurst Lee Company Limited. 104,917, June 22, 1915. Republished Sept. 6.
Piece goods, Cotton. Tootal Broadhurst Lee Company Limited. 318,411, Oct. 23, 1934. Republished Sept. 6.
Piece goods, Woolen. Forstmann & Huffmann Company. 254,458, Mar. 26, 1929. Republished Sept. 6.
Piece goods, Woolen. Forstmann & Huffmann Company. 257,469, renewed June 11, 1949. O. G. Sept. 6.
Piece goods, Woolen. Forstmann & Huffmann Company. 258,137, renewed June 25, 1949. O. G. Sept. 6.
Piece goods, Woolen. Forstmann & Huffmann Company. 260,621, renewed Aug. 27, 1949. O. G. Sept. 6.
Piece goods, Woolen. Forstmann & Huffmann Company. 260,623, renewed Aug. 27, 1949. O. G. Sept. 6.
Pot holders. Dow Corning Corporation. 514,762, Sept. 6; Serial No. 544,257, published May 10, 1949.
Robes, Motor, couch throws, and upholstery cloth. Boott Mills. 514,749, Sept. 6; Serial No. 543,361, published May 17, 1949.

Sheeting, sheets, pillow cases, etc. Carter Dry Goods Company. 514,656, Sept. 6; Serial No. 560,317, published May 10, 1949.
Sheets and pillow cases, Cotton. Max Fertig Sons, Inc. 320,911, Jan. 15, 1935. Canceled. O. G. Sept. 6.
Sheets, pillow cases, table cloths, etc. Robinson & Cleaver Limited. 438,856, May 11, 1948. Republished Sept. 6.

CLASS 44

Athletic supporter. The Kendall Company. 264,034, renewed Nov. 19, 1949. O. G. Sept. 6.
Athletic supporter. The Kendall Company. 264,243, renewed Nov. 19, 1949. O. G. Sept. 6.
Atomiser units. L. Mann. 514,890, Sept. 6; Serial No. 559,309, published May 31, 1949.
Bandages. W. F. Menger. 514,891, Sept. 6; Serial No. 559,824, published May 31, 1949.
Chairs, tables, platforms, or stools which vibrate, in whole or in part, for therapeutic or massage purposes. Aciform Corporation. 514,673, Sept. 6; Serial No. 524,096, published May 31, 1949.
Dental apparatus, dental instruments, and parts thereof. A. G. Warope. 358,164, June 28, 1938. Republished Sept. 6.
Denture base made of acrylic resin. The Nu-Tek Co. 514,904, Sept. 6; Serial No. 561,576, published May 31, 1949.
Dentures and denture attachments for locating purposes. D. V. Cleman. 514,855, Sept. 6; Serial No. 553,166, published May 31, 1949.
Device for protecting the umbilicus. Colostom-Ease, Inc. 514,886, Sept. 6; Serial No. 558,550, published May 31, 1949.
Diagnostic instruments. American Optical Company. 443,356, Sept. 6; Serial No. 524,439, published May 31, 1949.
Diamond points and disks in dental work. D & Z Dental Instrument Company, Inc. 514,709, Sept. 6; Serial No. 535,824, published May 31, 1949.
Face plasters for treating wrinkles. The B & P Company. 514,821, Sept. 6; Serial No. 550,379, published May 31, 1949.
Ingredients and apparatus for giving "permanent waves." Genii Incorporated. 514,900, Sept. 6; Serial No. 561,001, published May 31, 1949.
Instrument to polish the teeth and massage the gums. G. A. Kempster. 514,908, Sept. 6; Serial No. 562,143, published May 31, 1949.
Invigorating apparatus, Facial. J. Mingea. 514,869, Sept. 6; Serial No. 555,286, published May 31, 1949.
Lamps for use with examining and operating surgical and dental instruments, Miniature. American Cystoscope Makers, Inc. 514,899, Sept. 6; Serial No. 560,676, published May 31, 1949.
Massaging tables, Automatic. Massage-O-Mat Corporation. 514,892, Sept. 6; Serial No. 559,722, published May 31, 1949.
Medicament administering appliances. R. Lewis. 514,789, Sept. 6; Serial No. 546,854, published May 31, 1949.
Metal for making dental inlays and castings, and also investments, liquids, painting investments, etc. The William Getz Corporation. 514,724, Sept. 6; Serial No. 538,278, published May 31, 1949.
Pads for machineless permanent waving, Chemically treated. Samuel Bonat & Bro. 443,346, Sept. 6; Serial No. 515,933, published May 31, 1949.
Permanent hair waving appliances and attachments therefor. Helene Curtis Industries, Inc. 514,679, Sept. 6; Serial No. 528,113, published May 31, 1949.
Permanent hair waving machines, etc. Rilling Company. 514,650, Sept. 6; Serial No. 496,664, published May 31, 1949.
Prophylactic rubber articles. Youngs Rubber Corporation, Inc. 314,764, July 10, 1934. Republished Sept. 6.
Prophylactic rubber articles. Youngs Rubber Corporation. 429,473, Apr. 29, 1947. Republished Sept. 6.
Suspensory. The Kendall Company. 264,244–5, renewed Nov. 19, 1949. O. G. Sept. 6.
Suture or traction dressing. Davis & Geck, Inc. 514,906, Sept. 6; Serial No. 562,030, published May 31, 1949.
Syringes, empty ampules, hypodermic needles. A. E. Smith. 514,677, Sept. 6; Serial No. 527,212, published May 31, 1949.

CLASS 45

Beverage, Nonalcoholic, noncereal, maltless, etc. The Hudor Co. 388,443, June 24, 1941. Canceled. O. G. Sept. 6.
Beverages, Nonalcoholic, maltless, etc. Chocolate Products Company. 284,111, June 16, 1931. Republished Sept. 6.
Concentrates, Fresh fruit juice. T. A. Davis. 356,922, May 17, 1938. Republished Sept. 6.

CLASS 46

Apples, Fresh. Geo. D. Brown & Son, Inc. 441,612, Dec. 14, 1948. Republished Sept. 6.
Apples, Fresh. Standard Fruits, Inc. 342,363, Jan. 12, 1937. Republished Sept. 6.
Base for feed flavors, Imitation maple-flavor. Florasynth Laboratories, Inc. 258,874, July 16, 1949. Republished Sept. 6.
Bread. Oswald Jaeger Baking Company. 207,881, Jan. 12, 1926. Republished Sept. 6.
Butter and eggs. S. M. Flickinger Co., Inc. 303,656, June 6, 1933. Republished Sept. 6.
Butter, eggs, and American full-cream cheese. Zenith Butter and Egg Co. 73,760, re-renewed May 18, 1949. O. G. Sept. 6.
Cakes, Fruit, poundcakes, plum puddings, etc. The Therese Lauder Corporation. 257,506, renewed June 11, 1949. O. G. Sept. 6.
Candy, marshmallows, sugar wafers, and macaroons. Federal Sweets & Wafer Co., Inc. 319,430, Nov. 27, 1934. Republished Sept. 6.
Canned fish. Custom House Packing Company. 514,720, Sept. 6; Serial No. 537,664, published May 17, 1949.
Canned fish. Custom House Packing Company. 514,721, Sept. 6; Serial No. 537,666, published May 17, 1949.
Canned fruits. Washington Canners Cooperative. 514,784, Sept. 6; Serial No. 546,254, published May 10, 1949.
Canned fruits, canned berries, and canned vegetables. Fassett & Company. 264,103, renewed Nov. 19, 1949. O. G. Sept. 6.
Canned fruits, cider vinegar, fresh deciduous fruits. Apple Growers Association. 514,725, Sept. 6; Serial No. 538,589, published May 17, 1949.
Canned goods; packaged goods; bottled goods, etc. Waples-Platter Company. 360,725, Sept. 27, 1938. Republished Sept. 6.
Canned sardines. Adolph Goldmark & Sons, Corp. 264,012, renewed Nov. 12, 1949. O. G. Sept. 6.
Canned shrimp, canned oysters, canned vegetables. Grand Caillou Packing Co. Inc. 222,992, Jan. 11, 1927. Republished Sept. 6.
Canned soup, tea, vinegar, etc. Armstrong Grocery Company. 441,599, Dec. 14, 1948. Republished Sept. 16.
Canned soybeans, asparague, and peas. The Draper Canning Company. 405,216, Jan. 11, 1944. Republished Sept. 6.
Cod; fresh frozen, and smoked fillet of, iced and frozen salmon, frozen smelts; etc. Harvey & Company Limited. 257,664, renewed June 18, 1949. O. G. Sept. 6.
Coffee. Duncan Coffee Company. 514,713, Sept. 6; Serial No. 536,062, published May 17, 1949.
Coffee. B. Fischer & Co., Inc. 514,715, Sept. 6; Serial No. 536,886, published May 17, 1949.
Coffee. B. Fischer & Co., Inc. 514,716, Sept. 6; Serial No. 536,888, published May 17, 1949.
Combination of evaporated skimmed milk and vegetable oil. Carolene Products Company. 389,608, Aug. 12, 1941. Canceled. O. G. Sept. 6.
Compound of nut oils and evaporated skimmed milk. Carolene Products Company. 353,342, Jan. 4, 1938. Canceled. O. G. Sept. 6.
Compound of sugar, gelatin, and fruit acid. Miles Manufacturing Company. 168,675, May 29, 1923. Republished Sept. 6.
Corn meal, pearled hominy, and hominy grits. The Great Western Cereal Company. 75,622, re-renewed Oct. 26, 1949. O. G. Sept. 6.
Corn starch. S. S. Pierce Co. 75,627, Oct. 26, 1909. Republished Sept. 6.
Cream-cheese. Monroe Cheese Company. 75,871, re-renewed Nov. 23, 1949. O. G. Sept. 6.
Feed, Animal and live stock. A. C. Knight. 324,431, May 21, 1935. Republished Sept. 6.
Feeds for poultry. Moorman Manufacturing Company. 364,542, Feb. 7, 1939. Republished Sept. 6.
Feeds, Poultry. Moorman Manufacturing Company. 385,392, Feb. 25, 1941. Republished Sept. 6.
Flour, Wheat. Nebraska Consolidated Mills Company. 514,695, Sept. 6; Serial No. 533,193, published May 17, 1949.
Flour, Wheat, scratch grain, chick grain, etc. Breese Grain Co. 260,019, Aug. 13, 1929. Republished Sept. 6.
Food in powdered form, Specially prepared. Mead Johnson & Company. 280,626, Feb. 24, 1931. Republished Sept. 6.
Fruit, Dried. Washington Growers Packing Corporation. 142,822, May 17, 1921. Republished Sept. 6.
Fruits, Fresh citrus. W. H. Clark Fruit Company. 514,705, Sept. 6; Serial No. 534,603, published May 17, 1949.
Fruits, Fresh citrus. College Heights Orange & Lemon Association. 236,471, Dec. 13, 1927. Republished Sept. 6.
Fruits, Fresh citrus. College Heights Orange & Lemon Association. 236,662, Dec. 20, 1927. Republished Sept. 6.
Fruits, Fresh citrus. Colton Fruit Exchange. 219,835, Oct. 26, 1926. Republished Sept. 6.
Fruits, Fresh citrus. Highland Fruit Growers Association. 215,184, July 13, 1926. Republished Sept. 6.
Fruits, Fresh citrus. Highland Fruit Growers Association. 228,746, June 7, 1927. Republished Sept. 6.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 210,004–5, Mar. 9, 1926. Republished Sept. 6.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 212,998, May 18, 1926. Republished Sept. 6.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 213,060, May 18, 1926. Republished Sept. 6.
Fruits, Fresh citrus. C. D. Hubbard Fruit Co. 221,418, Nov. 30, 1926. Republished Sept. 6.
Fruits, Fresh citrus. Krinard Packing Company. 514,722, Sept. 6; Serial No. 537,706, published May 17, 1949.

Fruits, Fresh citrus. Leffingwell Rancho Lemon Association. 205,762, Nov. 17, 1925. Republished Sept. 6.
Fruits, Fresh citrus. Leffingwell Rancho Lemon Association. 260,329–30, Aug. 20, 1929. Republished Sept. 6.
Fruits, Fresh citrus. McPherson Heights Citrus Association. 207,034, Dec. 15, 1925. Republished Sept. 6.
Fruits, Fresh citrus. Red Fox Orchards. 193,204, Dec. 23, 1924. Republished Sept 6.
Grapes, Fresh. P. A. Dobson. 443,355, Sept. 6; Serial No. 523,771, published Apr. 19, 1949.
Ice cream. Mello Ice Cream Co., Inc. 379,587, July 16, 1940. Canceled. O. G. Sept. 6.
Lard. The Cudahy Packing Company. 263,399, renewed Nov. 5, 1949. O. G. Sept. 6.
Olive oil. Lekas & Drivas, Inc. 373,071, Nov. 21, 1939. Republished Sept. 6.
Oils, Edible. J. Lentini. 514,723, Sept. 6; Serial No. 538,015, published May 17, 1949.
Peel, Candied citron and candied lemon and orange. The Hills Brothers Company. 262,233, renewed Oct. 1, 1949. O. G. Sept. 6.
Pickles. Fanning Bread and Butter Pickle Company, Inc. 262,431, renewed Oct. 8, 1949. O. G. Sept. 6.
Potato chips and mayonnaise. Yo-Ho Pure Foods Products Co. 232,893, renewed Sept. 20, 1947. O. G. Sept. 6.
Poultry, Dressed, and live ducks. M. R. Maurer. 296,767, Aug. 23, 1932. Republished Sept. 6.
Preparation in powder form, Chocolate flavored. Horlick's Malted Milk Corporation. 390,003, Sept. 2, 1941. Republished Sept. 6.
Preparations of milk. The Borden Company. 259,052, renewed July 23, 1949. O. G. Sept. 6.
Sauce. Lea & Perrins. 68,150, Mar. 10, 1908. New certificate. O. G. Sept. 6.
Sirup, Maple, pastry flour, and mincemeat. De Witt Grocery Company. 237,555, Jan. 10, 1928. Republished Sept. 6.
Spices, Whole, ground spices. A. Schilling & Co. 293,130, Apr. 12, 1932. Republished Sept. 6.
Syrups, Malt. Four Roses Malt Extract Company. 256,108, May 7, 1929. Republished Sept. 6.
Tea. Sumner's Ty-phoo Tea Ltd. 200,960–1, July 14, 1925. Republished Sept. 6.
Vegetables, Fresh. W. E. McDavitt. 227,601, May 10, 1927. Republished Sept. 6.
Vegetables, Fresh. L. M. McLaren. 298,554, Nov. 1, 1932. Republished Sept. 6.
Vegetables, Fresh. Pacific Produce Distributors, Inc. 317,948, Oct. 9, 1934. Republished Sept. 6.
Vegetables, Fresh. Santa Maria Distributors. 427,010, Jan. 21, 1947. Republished Sept. 6.
Vegetables, Fresh. M. E. Thornburg. 514,691, Sept. 6; Serial No. 531,544, published May 17, 1949.
Vegetables, Fresh, and fresh deciduous fruits. H. H. Rogers. 442,398, Apr. 5, 1949. Republished Sept. 6.

CLASS 47

Wines. Cresta Blanca Wine Company. 333,438, Mar. 24, 1936. Republished Sept. 6.
Wines. Lekas & Drivas, Inc. 355,025, Mar. 8, 1938. Republished Sept. 6.
Wines. Lekas & Drivas, Inc. 355,027, Mar. 8, 1938. Republished Sept. 6.

CLASS 49

Liqueur, Distilled alcoholic. The Drambui Liqueur Coy 1927 Limited. 303,089, May 9, 1933. Republished Sept. 6.
Scotch whisky. McKesson & Robbins, Inc. 361,696, Oct. 25, 1938. Republished Sept. 6.
Scotch whiskey. Southard & Co. Limited. 321,100, Jan. 15, 1935. Republished Sept. 6.
Whiskey. Austin, Nichols & Co., Incorporated. 410,523, Nov. 28, 1944. Republished Sept. 6.

CLASS 50

Brooders for chicks. The Buckeye Incubator Company. 256,922, renewed May 28, 1949. O. G. Sept. 6.
Fabrics, Woven. Rockweave Mills, Division Callaway Mills. 262,467, renewed Oct. 15, 1949. O. G. Sept. 6.
Material in sheet form, Light reflecting. Minnesota Mining and Manufacturing Company. 390,202, July 29, 1941. Republished Sept. 6.
Sheetings, diapers, Antiseptic waterproof, and waterproof undergarments. A. L. Sweetser. 39,227, re-renewed Nov. 11, 1902. Corrected. O. G. Sept. 6.
Signs, mechanical or structural, non-electric traffic and street signs, etc. American Automobile Association. 344,376, Mar. 23, 1937. Republished Sept. 6.
Signs, Metal. Western Lithograph Company. 261,814, renewed Sept. 24, 1949. O. G. Sept. 6.
Tympan covers and sheets. Minnesota Mining and Manufacturing Company. 428,381, Mar. 25, 1947. Republished Sept. 6.
Waterers and feeders for poultry and farm animals. Moorman Manufacturing Company. 402,777, Aug. 10, 1943. Republished Sept. 6.

CLASS 55

Cleaning, dyeing, renapping, etc., Leather surfaces. K. Lehmann, Jr. 514,967, Sept. 6; Serial No. 558,797.
Laundry and dry cleaning. Miami Laundry Company. 514,968, Sept. 6; Serial No. 533,912.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andersen, Soren K., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Cooler for viscose liquids. Re. 23,144, Sept. 6.

Barr, Frank T., Summit, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Two-stage synthesis of hydrocarbons. Re. 23,145, Sept. 6.

Garrett Corporation, Airesearch Manufacturing Company division, assignee (The): *See*—
Andersen, Soren K.

Scharmann, Walter G.: *See*—
Barr, Frank T., and Scharmann.

Standard Oil Development Company, assignee: *See*—
Barr, Frank T., and Scharmann.

LIST OF PLANT PATENTEES

Chase, Clarence A., assignor to Chase Gardens, Eugene, Oreg. Hybrid tea rose plant. 870, Sept. 6.

Chase Gardens, assignee: *See*—
Chase, Clarence A.

Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.

Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 871, Sept. 6.

LIST OF DESIGN PATENTEES

Baby-Safe Toys, Inc., assignee: *See*—
Woods, Constance.

Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,063, Sept. 6.

Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,064, Sept. 6.

Bete, Ray T., assignor to The Kelly-Springfield Tire Company, Cumberland, Md. Tire. 155,065, Sept. 6.

Birtman Electric Company, assignee: *See*—
Karstadt, Clarence.

Bolling, Carl: *See*—
Magos, John P., and Bolling.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,066, Sept. 6.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,067, Sept. 6.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,068, Sept. 6.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,069, Sept. 6.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,070, Sept. 6.

Borrok, Nathan T., assignor to Noma Electric Corporation, New York, N. Y. Illuminable decorative device. 155,071, Sept. 6.

Bossard, Gisbert L., Cleveland, Ohio. Chime. 155,072, Sept. 6.

Broadhead, Reginald M., assignor to Lifeguard Products Limited, London, England. Glass bottle. 155,073, Sept. 6.

Brown & Bigelow, assignee: *See*—
Gordenier, Robert E.

Cahn, Bernard, Co., Inc., assignee: *See*—
Chase, Herbert.

Cartier, Inc., assignee: *See*—
Daudier, Maurice.

Chase, Herbert, assignor to Bernard Cahn Co. Inc., New York, N. Y. Combination wallet and cigarette case. 155,074, Sept. 6.

Crane Co., assignee: *See*—
Magos, John P., and Bolling.

Daudier, Maurice, assignor to Cartier, Inc., New York, N. Y. Brooch or the like. 155,075, Sept. 6.

Daudier, Maurice, assignor to Cartier, Inc., New York, N. Y. Brooch or the like. 155,076, Sept. 6.

Davis, Harold G., Brooklyn, N. Y. Combination desk calendar and memorandum pad unit. 155,077, Sept. 6.

Day, William F., Albaston, Gunnislake, England. Frame for clocks or similar articles. 155,078, Sept. 6.

De Vito, Felix, Brooklyn, N. Y. Shoe shaping device. 155,079, Sept. 6.

Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Control dial for a sad-iron or similar article. 155,080, Sept. 6.

Eck, Einer, Peru, Ind. Upholstered chair. 155,081, Sept. 6.

Feigl, Charles, New York, N. Y. Handbag with umbrella compartment. 155,082, Sept. 6.

Fibre-Plastics Corporation, assignee: *See*—
Lennon, James W.

Frank, Samuel K., Wheeling, W. Va. Ash tray. 155,083, Sept. 6.

Gabriel Company, The, assignee: *See*—
Trebules, Victor.

Gay, Margaret L., and A. M. Russell, Los Angeles, Calif. Hostess tray. 155,084, Sept. 6.

Goldberg, Samuel, Detroit, Mich. Buffing wheel plate or similar article. 155,085, Sept. 6.

Goldfarb, Adolph, Chicago, Ill. Toy fowl. 155,086, Sept. 6.

Gordenier, Robert E., assignor to Brown & Bigelow, St. Paul, Minn. Transparent display letter opener. 155,087, Sept. 6.

Hoover Company, The, assignee: *See*—
Dreyfuss, Henry.

Johnson, Julius S., Richland, Wash. Switch plate. 155,088, Sept. 6.

Karstadt, Clarence, Glenn Ellyn, Ill., assignor to Birtman Electric Company. Mixer. 155,089, Sept. 6.

Kelly-Springfield Tire Company, The, assignee: *See*—
Bete, Ray T.

Kiehl, Mildred P., Trenton, N. J. Soap dish. 155,090, Sept. 6.

Kiehl, Mildred P., Trenton, N. J. Soap dish. 155,091, Sept. 6.

Lennon, James W., St. Paul, assignor to Fibre-Plastics Corporation, Minneapolis, Minn. Egg carton. 155,092, Sept. 6.

Leonard, Wayne L., Burbank, Calif. Radio antenna. 155,093, Sept. 6.

Lewis, George P., East Williston, N. Y. Flashlight. 155,094, Sept. 6.

Lifeguard Products Limited, assignee: *See*—
Broadhead, Reginald M.

MacWilliams, Paul D., Los Angeles, assignor, by mesne assignments, to L. M. and W. E. Neubeiser, Glendale, Calif. Folding knee mirror. 155,095, Sept. 6.

MacWilliams, Paul D., Los Angeles, assignor, by mesne assignments, to L. M. and W. E. Neubeiser, Glendale, Calif. Folding knee mirror. 155,096, Sept. 6.

Magos, John P., Wilmette, and C. Bolling, assignors to Crane Co., Chicago, Ill. Shower head. 155,097, Sept. 6.

McClellan, Carl, Detroit, Mich. Table lamp. 155,098, Sept. 6.

Mechur, Bert, and W. Riedler, New York, N. Y. Machine for shaping shoulder pads or the like. 155,099, Sept. 6.

Millward, Harry L., Sr., Steelton, Pa. Tie rack. 155,100, Sept. 6.
Muller, Gertrude A., Fort Wayne, Ind. Child's toilet seat. 155,101, Sept. 6.
Nelson, Roy W., Cupertino, Calif. Strap for holding riding spurs to a boot. 155,102, Sept. 6.
Neubeiser, Louis M., assignee: *See*— MacWilliams, Paul D.
Neubeiser, Wanda E., assignee: *See*— MacWilliams, Paul D.
Noma Electric Corporation, assignee: *See*— Borrok, Nathan T.
Peist, Otto, Brooklyn, N. Y. Container for ice cream or candy. 155,103, Sept. 6.
Prendiville, Jane, New York, N. Y. Doll. 155,104, Sept. 6.
Prendiville, Jane, New York, N. Y. Doll. 155,105, Sept. 6.
Riedler, Walter: *See*— Mechur, Bert, and Riedler.
Rogovin, Adele E., New York, N. Y. Toy baby-weighing scale. 155,106, Sept. 6.
Rothchild, Aaron, Flushing, N. Y. Combined apparel belt and writing implement. 155,107, Sept. 6.
Rucker, Leslie C., Arlington, Va. Pedicure instrument. 155,108, Sept. 6.
Russell, Asa M.: *See*— Gay, Margaret L., and Russell.
Shepard, Ernest L., Fairfield, Maine. Fruit packer. 155,109, Sept. 6.
Sodini, Paul A., Sacramento, Calif. Holder for toothbrushes. 155,110, Sept. 6.
Sodini, Paul A., Sacramento, Calif. Toothbrush holder. 155,111, Sept. 6.
Stark, Joseph A., Union Lake, Mich. Rear light for automobiles. 155,112, Sept. 6.
Trebules, Victor, assignor to The Gabriel Company, Cleveland, Ohio. Television antenna. 155,113, Sept. 6.
Williams, Philip M., Oakland, Maine. Fruit pack. 155,114, Sept. 6.
Woods, Constance, assignor to Baby-Safe Toys, Inc., Mercer, Pa. Toy animal figure. 155,115, Sept. 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acieries de Gennevilliers, assignee: *See*— Delachaux, Philippe C. J.
Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,480,992, Sept. 6.
Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,480,993, Sept. 6.
Adolph, Friedrich, Ljungby, Sweden, assignor by mesne assignments, to Vibro-Plus Corporation, New York, N. Y. Electric vibration motor. 2,480,825, Sept. 6.
Aeroquip Corporation, assignee: *See*— Burckle, Arthur A.
Africano, Alfred, Cumberland, Md., assignor to the United States of America as represented by the Secretary of War. Adjustable rocket nozzle. 2,481,059, Sept. 6.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*— Tauchiya, Henry M., Van Lanen, and Langlykke.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*— Kern, Erwin.
Alberti, Luis, Buenos Aires, Argentina. Machine for fleshing and/or scraping hides. 2,480,994, Sept. 6.
Alderfer, Sterling W., and A. Bosshard, assignors to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio. Manufacturing rubber thread. 2,481,060, Sept. 6.
Alliance Mannfacturing Company, The, assignee: *See*— Hardie, James B.
Allied Chemical & Dye Corporation, assignee: *See*— Greene, Richard B.
Airic, Gustave C. A., Troyes, France. Manufacturing knitted fabric. 2,480,894, Sept. 6.
Ambrette, Conrad, Brooklyn, N. Y. Feeding apparatus for alimentary paste die. 2,481,274, Sept. 6.
Ambrette, Conrad, Brooklyn, N. Y. Automatic alimentary paste producing apparatus. 2,481,275, Sept. 6.
American Cyanamid Company, assignee: *See*— Schaefer, Frederic C.
American District Steam Company, assignee: *See*— Culp, Herbert P.
American Electro Metal Corporation, assignee: *See*— Lewin, Gerhard.
American Hardware Corporation, The, assignee: *See*— Dyson, Louis M.
American Machine Works, assignee: *See*— Young, Nicholas A., and Brehm.
American Seating Company, assignee: *See*— Bouwkamp, Harvey L., and Kemp.
American Smelting and Refining Company, assignee: *See*— Bond, Frederick A.
American Stay Company, assignee: *See*— Presby, Leroy Q.
American Steel Foundries, assignee: *See*— Lehrman, Leo A.
American Telephone and Telegraph Company, assignee: *See*— Celva, Walter G.
Hanley, Frank H.
American Viscose Corp., assignee: *See*— McDermott, Henry J.
American Viscose Corporation, assignee: *See*— Brackett, John.
Smith, Robert A.
Anderson, Andreas, Wellesley Hills, Mass. Electric cable connector. 2,480,895, Sept. 6.
Anderson, Frohman, Brooklyn, N. Y. Apparatus for working sheet metal. 2,480,826, Sept. 6.
Anderson, Harlan V., Sr., assignor to Rapinwax Paper Company, Minneapolis, Minn. Package. 2,481,380, Sept. 6.
Anderson, Homer G., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode for magnetrons. 2,481,061, Sept. 6.
Anderson, Oscar L., assignor to United Aircraft Corporation, East Hartford, Conn. Protractor. 2,481,062, Sept. 6.
Andersson, Albert E., Flysta, Spanga, assignor to Telefonaktiebolaget L M Ericcson, Stockholm, Sweden. Measuring instrument. 2,481,276, Sept. 6.
Andres, William J.: *See*— Sanfrod, Roy S., and Andres.
Andrews-Alderfer Processing Company, Incorporated, assignee: *See*— Alderfer, Sterling W., and Bosshard.
Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic emulsions containing N-aryloxy-, arylthio- and arylselenoalkyl cyanine dyes. 2,481,464, Sept. 6.
Apel, Arno A., Ventnor, N. J. Boat. 2,481,063, Sept. 6.
Armco Steel Corporation, assignee: *See*— Bloom, Fredrick K.
Armentrout, Arthur L., assignee: *See*— Claire, Guy K.
Armitage, Le Roy, Nutley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y Electrical potentiometer device. 2,480,995, Sept. 6.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*— Camras, Marvin.
Danisch, Marion S.
Armstrong, Charles E., assignor to Electric Controls, Inc., Portland, Oreg. Detachable thermostat system. 2,480,827, Sept. 6.
Armstrong, Frank W., Jr.: *See*— Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Armstrong Siddeley Motors Limited, assignee: *See*— Clark, Thomas, and Harriman.
Aro Equipment Corporation, The, assignee: *See*— Johnson, James P.
Ash, Charles S., Milford, Mich. Vehicle wheel. 2,481,187, Sept. 6.
Atlantic Refining Company, The, assignee: *See*— Leum, Leonard N., Macuga and Kreps.
Atlas Powder Company, assignee: *See*— Hales, Ralph A.
Atwater-Strong Company, assignee: *See*— Strong, Basil P.
Audrieth, Ludwig F.: *See*— Hale, George C., and Audrieth.
Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Wheel block. 2,481,065, Sept. 6.
Auten, Jay C., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,481,465, Sept. 6.
Automatic Voting Machine Corporation, assignee: *See*— Gustavson, Alvin N.
Autopoint Company, assignee: *See*— Unger, Paul O.
Autoyre Company, Incorporated, The, assignee: *See*— Murphy, John J.
Sanfrod, Roy S., and Andres.
Babayan, Vigen K., Teaneck, N. J., assignor, by mesne assignments, to Pierce Laboratory, Inc., New York, N. Y. Chlorination of polyethylene. 2,481,188, Sept. 6.
Babb, Tully H.: *See*— Jackson, Elwood C., and Babb.
Babcock & Wilcox Company, The, assignee: *See*— Kerr, Howard J., Carpenter, Armstrong, and Jessen.
Bagge, Walter, Los Angeles, assignor to Hughes Tool Company, Culver City, Calif. Automatic power locking differential driving mechanism. 2,481,066, Sept. 6.
Bailey, Francis T.: *See*— Burgwin, Stephen L., and Bailey.
Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,480,828, Sept. 6.
Balaun, William J., Akron, Ohio. Number wheel game with recording attachment. 2,481,277, Sept. 6.
Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenso, assignors to Shell Development Company, San Francisco, Calif. Polyoxyalkylene compounds. 2,481,278, Sept. 6.
Banko, George, Euclid, assignor to The Cleveland Grinding Machine Company, Cleveland, Ohio. Optical projection viewer for machine tools. 2,481,381, Sept. 6.
Barbian, Hugo A.: *See*— De Long, Herbert K., and Barbian.
Barnes, Arthur, Waltham, assignor to Polaroid Corporation, Cambridge, Mass. Image-carrying element for light-polarizing images. 2,481,189, Sept. 6.
Barr, Louis L., Pittsburgh, Pa. Chemical spraying device. 2,481,279, Sept. 6.
Barrow, Wilmer L., Concord, Mass., and D. S. Pensyl, Great Neck, and W. W. Mieher, Mineola, assignors, by mesne assignments, to Research Corporation, New York, N. Y. Radio direction indicating apparatus. 2,480,829, Sept. 6.
Bavley, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 1-substituted-2,5-diketo-7-methylpyrimidopyrasoles and preparing same. 2,481,466, Sept. 6.

Bean, Xarifa L., Yellow Springs, Ohio, assignor to General Motors Corporation, Detroit, Mich. Treatment of plaster of Paris bonded molds with liquid hydrocarbon prior to autoclaving. 2,480,996, Sept. 6.

Beddow, Raymond R., Toledo, Ohio. Pickup device for aircraft. 2,481,250, Sept. 6.

Bell, Emily S., executrix: *See*—
Bell, Ivan C.

Bell, Ivan C. Dallas, Tex., E. S. Bell executrix of said I. C. Bell, deceased. Well swab. 2,480,830, Sept. 6.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Armitage, Le Roy.
Curtis, Austen M.
Goodman, Gilbert.
Joel, Amos E., Jr.
Keller, Frederick W.
Rea, Wilton T.
Schott, Lionel.
Werts, Hugh S.

Bender, Samuel, Brooklyn, N. Y. Sandal with elastic upper elements. 2,481,281, Sept. 6.

Bendix Aviation Corporation, assignee: *See*—
Fox, Kenneth H.
Jandasek, Vladimir J.
Marmont, George H.
Miller, Donald L.
Parker, Leland C., McHenry, and Dickey.
Riggen, Theodore K.

Benner, Mark T., and J. B. Fortier, Pittsburgh, Pa. Time period indicator. 2,481,067, Sept. 6.

Bennett, Grady H., Waycross, Ga., assignor of thirty-five per cent to M. L. Ruppert, Franklin, Ohio. Three-way baby chair. 2,481,382, Sept. 6.

Best, Frank P., Chelmsford, assignor to Marconi Sounding Device Company Limited, London, England. Electroacoustic translator, including impedance matching. 2,481,068, Sept. 6.

Bethlehem Steel Company, assignee: *See*—
Clapp, Roger H., and Phelan.

Bettendorf, Jacob M., assignor to M. B. Muehl, Milwaukee, Wis. Potato planter. 2,480,897, Sept. 6.

Bialous, Adolf J., Schenectady, N. Y., assignor to General Electric Company. Coil-polarity indicator. 2,481,282, Sept. 6.

Bickel, Clifford A., S. A. Brandenburg, and T. Foster, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Machine tool. 2,481,383, Sept. 6.

Billings and Spencer Company, The, assignee: *See*—
Robichaud, Edmund J.

Binns, Arthur E., Mansfield, Mass. Tack driving device. 2,481,190, Sept. 6.

Blackwell, Wilfred E., Mexico, Mo. Portable electric steam table. 2,481,384, Sept. 6.

Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work gauge in fastening inserting machines. 2,480,898, Sept. 6.

Blomquist, Alfred T., and F. T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Preparation of nitratoalkyl nitramines. 2,481,263, Sept. 6.

Bloom, Frederick K., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Weld and weld rod. 2,481,385, Sept. 6.

Bloom, Frederick K., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Weld and weld rod. 2,481,386, Sept. 6.

Bloom, Oscar T., Chicago, Ill., and R. C. Wanty, Ypsilanti, Mich., assignors to Swift & Company, Chicago, Ill. Tenderness testing machine. 2,481,467, Sept. 6.

Bloomfield, Samuel, Wichita, Kans., and R. S. Wallach, Madison, N. J., assignors to C. E. Hovey, Kansas City, Mo., as trustee. Closure appliance. 2,481,284, Sept. 6.

Bocchino, Ernest, assignee: *See*—
Bocchino, George A.

Bocchino, George A., assignor to E. Bocchino, Clifton, N. J. Sound producing baby toy carriage. 2,480,996, Sept. 6.

Bole, George A., and D. H. Wyatt, assignors to The Ohio State University Research Foundation, Columbus, Ohio. Ceramic space heater. 2,481,069, Sept. 6.

Boad, Frederick A., East Helena, Mont., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for casting massive bullion blocks. 2,480,899, Sept. 6.

Bone, Arnold R., Needham, assignor to Dennison Manufacturing Company, Framingham, Mass. Device for detaching type plates from magnetic chases. 2,481,191, Sept. 6.

Bonecutter, Archie O., Evansville, Ind. Telephone holder. 2,481,387, Sept. 6.

Borg-Warner Corporation, assignee: *See*—
Ingersoll, Roy C.

Borsuk, Nicholas, Woodbridge, N. J. Tension adjuster for windshield wipers. 2,481,192, Sept. 6.

Bosshard, Alfred: *See*—
Alderfer, Sterling W., and Bosshard.

Bossmeyer, Charles L., Stratford, Conn., assignor to Dictaphone Corporation, New York, N. Y. Packing flexible recording belts. 2,481,285, Sept. 6.

Bouwkamp, Harvey L., and R. E. Kemp, assignors to American Seating Company, Grand Rapids, Mich. Presser foot attachment for French seam sewing machines. 2,481,286, Sept. 6.

Bow, Douglas S., Vancouver, British Columbia, Canada. Producer gas generator. 2,481,287, Sept. 6.

Bowan, Walter J.: *See*—
Mueller, Lucien W., Bowan, and Gould.

Bowden, James J., and J. S. Suda, Warren, Ohio, said Suda assignor to said Bowden. Preparing fluxing materials. 2,480,901, Sept. 6.

Bowen, Joseph M., West Quincy, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine forming and loading machine. 2,481,070, Sept. 6.

Bowlus, Omer E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. High-frequency induction heating device. 2,481,071, Sept. 6.

Boyer, Alva L., Los Angeles, Calif. Educational puzzle. 2,480,902, Sept. 6.

Braasch, Clara R., Denver, Colo. Insole-type appliance. 2,480,997, Sept. 6.

Brackett, John, New York, N. Y., assignor to American Viscose Corporation, Wilmington, Del. Disintegration of moist fibrous alkali cellulose masses. 2,480,998, Sept. 6.

Brandenburg, Stanley A.: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Brazil, John H., assignor to Chrysler Corporation, Highland Park, Mich. Making bumpers. 2,481,072, Sept. 6.

Breckenridge, Frank, Newton, Iowa. Retractable washer in cabinet. 2,481,198, Sept. 6.

Brehm, Peter: *See*—
Young, Nicholas A., and Brehm.

Bridges, John H., New York, N. Y., assignor to National Inventions Corporation. Luminescent tube system and apparatus. 2,481,468, Sept. 6.

Bristol Company, The, assignee: *See*—
Claus, Erwin P.
Koester, Herman.

Bristol Manufacturing Corporation, assignee. *See*—
Campagna, Michael.

Brock, Ralph E., Cambridge, Ohio. Bench-type pottery ware jiggering device. 2,481,073, Sept. 6.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienyl mercaptals and mercaptols in lubricating compositions. 2,480,831, Sept. 6.

Brooks, John W., Wenonah, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. 3-thienyl thioethers in lubricating compositions. 2,480,832, Sept. 6.

Brown, Coy W., Roseland, N. J., assignor to General Electric Company. Refrigerating system. 2,481,469, Sept. 6.

Brown, James R., Houston, Tex. Lawn sprinkler. 2,481,074, Sept. 6.

Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,480,900, Sept. 6.

Brown, William C., Lincoln, and E. N. Kather, South Lincoln, assignors to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,480,999, Sept. 6.

Brown, William T., West Suffield, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Tennis racket. 2,481,075, Sept. 6.

Brunner, Ray, Economy Township, Beaver County, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Expanding mandrel for feed reels. 2,481,000, Sept. 6.

Bryant, Donald D., Huntington, W. Va. Journal box lid. 2,481,076, Sept. 6.

Bryant, Harold W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrolysis of polyvinyl esters. 2,481,388, Sept. 6.

Bubb, John B., Palo Alto, and C. E. Wallace, San Jose, Calif. Contactor. 2,481,194, Sept. 6.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Axle housing. 2,480,833, Sept. 6.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle drive axle. 2,480,836, Sept. 6.

Budd Company, The, assignee: *See*—
Ledwinka, Joseph.
Patton, John W.
Stever, William.

Buell, Albert W., Seattle, Wash. Jet heater. 2,481,077, Sept. 6.

Bulliet, Leander J., Rockford, Ill. Speed responsive device. 2,481,196, Sept. 6.

Burchett, Ray L., Newark, and F. Meyer, Union, assignors to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,481,195, Sept. 6.

Burckle, Arthur A., Burbank, Calif., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling for flexible hose. 2,481,001, Sept. 6.

Burdwood, Howard A., Portland, Maine. Indicating caliper gauge. 2,481,078, Sept. 6.

Bureau, Arthur L., U. S. Navy. Cartridge belting machine. 2,480,834, Sept. 6.

Burgess, Hovey M.: *See*—
Kaufman, Charles W., Burgess, and Hollis.

Burgwin, Stephen L., Forest Hills, and F. T. Bailey, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photoelectric control apparatus. 2,480,835, Sept. 6.

Buradept Limited, assignee: *See*—
Lewis, Richard W., and Rowe.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Scanning device for cathode-ray oscillographs. 2,480,837, Sept. 6.

C. A. Constant Card, assignee: *See*—
Castell, Agustin M.

C. A. V. Limited, assignee: *See*—
Nicholls, Wilfrid E. W.

Cage, James, Valley Stream, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Carton closure. 2,481,288, Sept. 6.

Cailie, Charles, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Device for catching broken threads. 2,481,197, Sept. 6.

Caldwell, Richard A., Dubuque, Iowa. Transformer calibrating apparatus. 2,481,198, Sept. 6.

Campagna, Michael, assignor to Bristol Manufacturing Corporation, Bristol, R. I. Rubber-soled shoe with two-layer foxing. 2,481,389, Sept. 6.

Campbell, John M., Cleveland, Ohio, assignor to J. M. Campbell and P. J. Haber, as trustees. Applying sodium silicate binder. 2,481,390, Sept. 6.

Campbell, John M., Cleveland, Ohio, assignor to J. M. Campbell and P. J. Haber, as trustees. Making insulating and acoustical materials. 2,481,391, Sept. 6.

Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Bulk demagnetization. 2,481,392, Sept. 6.

Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magnetic recording head. 2,481,393, Sept. 6.

Canadian International Paper Company, assignee: *See*—
Rapson, William H., and Wayman.

Canaris, James M.: *See*—
Gallington, Ralph O., and Canaris.

Cannava, Santo J., Boston, Mass. Illuminated case. 2,481,394, Sept. 6.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Morison, Charles R. W.

Carborundum Company, The, assignee: *See*—
Roble, Norman P.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Mercer, David L.
Spangler, Earl D.

Carns, Vernon J., Detroit, Mich., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pneumatic reset apparatus. 2,481,395, Sept. 6.

Caron, Ludger J., assignor to Leominster Tool Company, Inc., Leominster, Mass. Heating cylinder for injection molding machines. 2,480,838, Sept. 6.

Carpenter, Otis R.: *See*—
Kerr, Howard J., Carpenter, Armstrong, and Jessen.

Case, J. I., Company, assignee: *See*—
Russell, Stanley D.

Casey, Helen M., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Making electrolytic dendritic powdered iron. 2,481,079, Sept. 6.

Castell, Agustin M., assignor to C. A. Constant Card, Barcelona, Spain. Improving the carding effect of carding cylinders. 2,481,002, Sept. 6.

Castner, Robert C., Berkeley, and L. M. Peters, assignors to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated nitriles. 2,481,080, Sept. 6.

Caterpillar Tractor Co., assignee: *See*—
Davies, James M.

Cauchois, André, Lille, France. Chuck for gripping bars. 2,481,289, Sept. 6.

Cayas, Alex J., Glendale, Calif. Device for the disposal of snow and ice. 2,481,199, Sept. 6.

Celanese Corporation of America, assignee: *See*—
Seymour, George W., and Miller.
Thurman, Peter J., and Downing.

Celva, Walter G., Denver, Colo., assignor to American Telephone and Telegraph Company. Aligning type pallets. 2,481,081, Sept. 6.

Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Tubular heater terminal seal. 2,480,903, Sept. 6.

Chew, Thornton W., Washington, D. C. Television camera lens switching device. 2,481,082, Sept. 6.

Chew, Thornton W., Washington, D. C. Inertia-operated panning device. 2,481,083, Sept. 6.

Chicago Metal Hose Corporation, assignee: *See*—
Pentress, David W.

Chrysler Corporation, assignee: *See*—
Auten, Jay C.
Bowlus, Omer E.
Brasil, John H.
Casey, Helen M.
Cuskie, Herman C.

Claire, Guy K., Rolling Hills, assignor, by mesne assignments, of one-half to A. L. Armentrout, Long Beach, Calif. Cam operated transversely engaged clutch. 2,481,084, Sept. 6.

Clapp, Roger H., Greenfield, Mass., and J. A. Phelan, Jackson Heights, N. Y., assignors to Bethlehem Steel Company. Silent car wheel. 2,481,200, Sept. 6.

Clark Equipment Company, assignee: *See*—
Lapsley, Robert.

Clark, Robert W.: *See*—
Duke, Vernon J., and Clark.

Clark, Thomas, and D. Harriman, assignors to Armstrong Siddeley Motors Limited, Coventry, England. Drive for contrarotating propellers. 2,481,290, Sept. 6.

Clarke, Robert E., Palo Alto, and N. R. Collins, Los Altos, assignors to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium oxide. 2,480,904, Sept. 6.

Clarke, Thomas B., and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel-attaching machine. 2,480,905, Sept. 6.

Claus, Erwin P., assignor to The Bristol Company, Waterbury, Conn. Belt hook package. 2,481,085, Sept. 6.

Cleveland Grinding Machine Company, The, assignee: *See*—
Banko, George.

Cleverdon, Desmond, Bournemouth, and H. P. Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Stabilization of polyvinyl chloride compositions. 2,481,086, Sept. 6.

Clutcher, John: *See*—
Jaworski, Leonard A., and Clutcher.

Cohen, Heinrich, assignor to Laboratories Medial S. A., Geneva, Switzerland. Preparation of aromatic coffee extract. 2,481,470, Sept. 6.

Cohen, Moses, Jackson Heights, N. Y. Abdominal supporting garment. 2,481,396, Sept. 6.

Coleman, Joseph A., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Hip pad. 2,481,291, Sept. 6.

Collier, R. T., Corporation, assignee: *See*—
Collier, Robert T.

Collier, Robert T., Palos Verdes Estates, assignor to R. T. Collier Corporation, Los Angeles, Calif. Fruit pit cracking machine with spaced corrugated rollers. 2,481,201, Sept. 6.

Collins, Neil R.: *See*—
Clarke, Robert E., and Collins.

Connell, John A., Patterson, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Distribution of water-dispersible material throughout thermoplastic polymers. 2,480,821, Sept. 6.

Conover, Courtney, Silver Spring, Md., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacturing carbazole. 2,481,292, Sept. 6.

Cook Electric Company, assignee: *See*—
Hasselhorn, Walter C.

Cooney, John L., Erie, Pa. Valve. 2,481,293, Sept. 6.

Cooper, William A.: *See*—
Macdonald, William G., and Cooper.

Corbière, Paul C. E. J., and R. E. F. Stuchlik, Lyon, assignors to Societe Rhodiaceta, Paris, France. Manufacture of solutions of polyvinyl derivatives. 2,481,294, Sept. 6.

Corigliano, Marco A., Brooklyn, N. Y. Combined key case and flashlight. 2,481,295, Sept. 6.

Corning Glass Works, assignee: *See*—
Hyde, James F.
Warrick, Earl L.

Cotton, William, Limited, assignee: *See*—
Macdonald, William G., and Cooper.

Cox, Clifford K., Kent, Wash. Hose support and clamp. 2,480,906, Sept. 6.

Crise, George W., Columbus, Ohio. Electric resistance seam welding bimetallic element. 2,481,087, Sept. 6.

Croft-White, Peter G.: *See*—
Garner, Philip J., and Croft-White.

Cromwell, Harold J.: *See*—
Schneider, Paul L., Cromwell, and Nighbert.

Crot, André, North Hollywood, assignor to J. B. Humphrey, Los Angeles, Calif. Boom. 2,481,471, Sept. 6.

Crown Zellerbach Corporation, assignee: *See*—
Swift, Frank H.

Culp, Herbert P., Williamsville, assignor to American District Steam Company, North Tonawanda, N. Y. Packless expansion joint. 2,481,472, Sept. 6.

Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective arrangement for switch contacts. 2,481,003, Sept. 6.

Curtiss-Wright Corporation, assignee: *See*—
Donner, Verne P.
Steele, Frederick I., and Thompson.

Cuskie, Herman C., Rolla, Mo., assignor to Chrysler Corporation, Highland Park, Mich. Valve structure. 2,481,088, Sept. 6.

Cutler-Hammer, Inc., assignee: *See*—
Charbonneau, Allan P.
Kuhn, Clarence W.

Dale, Colin B., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 2,481,004, Sept. 6.

Dale, William C., Livingston, N. J., assignor to Radio Corporation of America. Electron discharge device and manufacture. 2,481,202, Sept. 6.

Dally, Roy, Racine, Wis., assignor to Electrovox Company, Inc., East Orange, N. J. Phonograph pickup. 2,480,907, Sept. 6.
Dalton, Simon E., Jr., Atlantic City, N. J. Shower curtain for bathtubs. 2,481,397, Sept. 6.
Danhaus, Russell H., assignor to Electric Wheel Company, Quincy, Ill. Gooseneck trailer. 2,481,005, Sept. 6.
Daniel, Arthur F., Fair Haven, N. J., assignor to the United States of America as represented by the Secretary of War. Alkaline primary cell. 2,480,839, Sept. 6.
Danisch, Marion S., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Selector system for magnetic wire reproducers. 2,481,398, Sept. 6.
Dath, Gerge E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,481,000, Sept. 6.
Davies, Frank P., and M. Y. Nicole, San Francisco, Calif.; said F. P. Davies, deceased, assignor, by decree of distribution and assignment, to said M. Y. Nicole. Gothic arch-tracing device. 2,481,203, Sept. 6.
Davies, James M., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 2,480,908, Sept. 6.
Davis, Carl, San Pablo, Calif. Mechanism for raising and lowering trailer bodies relative to the wheels. 2,480,909, Sept. 6.
Davis, Claude L., assignor of one-half to R. B. Davis, Orange County, N. C. Device for cleaning rakes. 2,480,910, Sept. 6.
Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Sleeve press. 2,481,399, Sept. 6.
Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Immersion hammock. 2,481,400, Sept. 6.
Davis, Neville R., Bisham, assignor to Sun-Vic Controls Limited, London, England. Electrical temperature regulating apparatus. 2,481,401, Sept. 6.
Davis, Roger B., assignee: *See*—
Davis, Claude L.
Decca Record Company, The, Limited, assignee: *See*—
O'Brien, William J.
Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Motor brake. 2,481,402, Sept. 6.
Deere & Company, assignee: *See*—
Johnson, Ellsworth T.
Delachaux, Philippe C. J., Paris, assignor to Acieries de Gennevilliers, Gennevilliers, Seine, France. Trolley collector head. 2,480,912, Sept. 6.
DeLancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid fuel burner. 2,480,911, Sept. 6.
De Long, Herbert K., and H. A. Barbian, assignors to The Dow Chemical Company, Midland, Mich. Magnesium primary cell. 2,481,204, Sept. 6.
Dennison Manufacturing Company, assignee: *See*—
Bone, Arnold R.
Detroit Lubricator Company, assignee: *See*—
Welby, Henry R.
Dickey, John W.: *See*—
Parker, Leland C., McHenry, and Dickey.
Dickinson, Norman L., Basking Ridge, assignor to The M. K. Kellogg Company, Jersey City, N. J. Process and apparatus for the synthesis of organic compounds. 2,481,089, Sept. 6.
Dictaphone Corporation, assignee: *See*—
Bosomeyer, Charles L.
Dicus, Charles M., Waynesville, N. C. Form for building concrete structures. 2,480,840, Sept. 6.
Distillers Company, Limited, The, assignee: *See*—
Cleverdon, Desmond, and Staudinger.
Di Zazzo, Benedetti, Syracuse, N. Y. Barber comb. 2,481,403, Sept. 6.
Dominion Textile Company Limited, assignee: *See*—
Kershaw, John G.
Donnell, Don R., Los Angeles, Calif. Attachment for printing presses. 2,481,090, Sept. 6.
Donner, Verne P., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Hydraulic fitting. 2,481,404, Sept. 6.
Douglas Aircraft Company, Inc., assignee: *See*—
Smith, Paul L., and Williams, Jr.
Van Dyke, William D.
Dow Chemical Company, The, assignee: *See*—
De Long, Herbert K., and Barbian.
Haynes, James D., and Lyons.
Stenger, Vernon A.
Dow-Key Company, The, assignee: *See*—
Dow, Lawrence L.
Dow, Lawrence L., Washington, D. C., assignor to The Dow-Key Company, Winnipeg, Manitoba, Canada. Telegraph instrument. 2,481,091, Sept. 6.
Downing, John: *See*—
Thurman, Peter J., and Downing.
Doyle, Frank P.: *See*—
Kendall, John D., and Doyle.
Drying & Concentrating Company, assignee: *See*—
Hall, Joseph M.
Dubeau, Archie L., Rumford, R. I., assignor to Mathieson Chemical Corporation. Simultaneously scouring and bleaching wool. 2,481,205, Sept. 6.
Dugdale, Robert, Chicago, Ill. Fishmouth spreader. 2,481,007, Sept. 6.
Duke, Vernon J., Rockville Centre, N. Y., and R. W. Clark, Teaneck, N. J., assignors to Radio Corporation of America. Frequency modulation television receiver. 2,480,913, Sept. 6.
Dunn, Clarence L., Berkeley, M. Souders, Jr., Piedmont, and C. Groot, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Concentration. 2,481,092, Sept. 6.
Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,481,405, Sept. 6.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bryant, Harold W.
Connell, John A.
Grace, Worthington T., and Muller, Jr.
McQueen, David M., and Woodward.
Mowery, Dwight F., Jr.
Murphy, Clyde G., and Sermattei.
Murray, Otis W.
Scott, George W.
Vana, Charles A.
Dupuy, Charles F. J., Mahwah, N. J., assignor to O'Cedar Corp'n., Chicago, Ill. Vaporizing device. 2,481,296, Sept. 6.
Dyson, Beatrice N., administratrix: *See*—
Dyson, Louis M.
Dyson, Louis M., B. N. Dyson, administratrix of said L. M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,481,093, Sept. 6.
Eagle-Picher Company, The, assignee: *See*—
Lindemuth, Ralph L.
Eaton, James W., Chicago, Ill. Garment hanger. 2,481,206. Sept. 6.
Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination with copper-plated metal catalysts. 2,481,207, Sept. 6.
Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination with metallic mixtures as catalyst. 2,481,208, Sept. 6.
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Centrifugal chuck. 2,481,094, Sept. 6.
Eggenberger, Hans: *See*—
von Allmen, Samuel, and Eggenberger.
Eggert, Deane O., Cleveland, Ohio, assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Space heating system. 2,481,297, Sept. 6.
Egy, Joseph H., Springfield, Ohio. Constant or variable-speed drive. 2,480,841, Sept. 6.
Einis, Nathan: *See*—
Falken, George, and Einis.
Eldridge, Tauslas I., Jr., Brookline, assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Electrical disconnector. 2,481,298, Sept. 6.
Electric Boat Company, assignee: *See*—
Ritchie, Alexander J.
Electric Controls, Inc., assignee: *See*—
Armstrong, Charles E.
Electric Service Manufacturing Company, assignee: *See*—
Eldridge, Tauslas I., Jr.
Electric Wheel Company, assignee: *See*—
Danhaus, Russell H.
Electrovox Company, Inc., assignee: *See*—
Dally, Roy.
Emerson Electric Manufacturing Company, The, assignee: *See*—
Dederick, Clinton H.
Emerson, John H., Cambridge, Mass. Breathing apparatus. 2,481,299. Sept. 6.
Empire Steel Company, assignee: *See*—
Hill, John W.
Engel, Willem F., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Purifying hydrocarbons. 2,481,300, Sept. 6.
English Electric Company of Canada Limited, assignee: *See*—
Mallett, Montville B.
Essman, Manuel, New York, N. Y. Fireproof container. 2,481,095 Sept 6.
Eulenfeld, Benjamin, St. Simons Island, Ga. Toy cap rifle. 2,481,301, Sept. 6.
Ewert, Kathryn: *See*—
Washburn, Kathryn.
Express Lift Company Limited, The, assignee: *See*—
Kruger, Seraphim.
Fabric Development Company Limited, assignee: *See*—
Van Issum, Hans.
Fairbanks, Morse & Co., assignee: *See*—
Justus, James E.
Farnsworth, Margaret, Oakland, Calif. Hairpin holder. 2,481,209, Sept. 6.
Farnsworth, Neil B., Hempstead, N. Y., assignor to The Sperry Corporation. Automatic gain-control system. 2,480,842, Sept. 6.
Fatzinger, Erastus A.: *See*—
Reimert, Lawrence J., and Fatzinger.
Faximile, Inc., assignee: *See*—
Tribble, William H.
Feldman, Henry R.: *See*—
Schwartz, Frederick, Lewis and Feldman.
Feldmann, Marvin H.: *See*—
Severin, Alyerd W., and Feldmann.

Fentress, David W., Barrington, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Method and apparatus for making bellows. 2,481,096, Sept. 6.
Ferguson, Edgar A., Jr., Brooklyn, N. Y. Ephedrine-ethylene diamine complex. 2,481,406, Sept. 6.
Ferris Instrument Laboratories, assignee: *See*—
Tyszer, Howard J.
Fetzer, Ludwig A., assignee: *See*—
Shafer, George W.
Fewins, Frank, assignor of one-fourth to D. J. W. Huntington, Los Angeles, Calif. Hair guiding attachment for hair clippers. 2,481,097, Sept. 6.
Fiedorek, Fred T.: *See*—
Blomquist, Alfred T., and Fiedorek.
Fields, Joseph E.: *See*—
Morris, John R., and Fields.
Filature & Tressage Vahman, Société Anonyme, assignee: *See*—
Philippon, Nazaire.
Finger, Armin A.: *See*—
Gagliardi, Nicholas G., Finger and Stanton.
Fishko, Abraham, Brooklyn, N. Y. Floor box or the like. 2,481,098, Sept. 6.
Flora, Rudolph F.: *See*—
Olsen, Ernest R., Flora, and Lonnee.
Fluegel, Ernest F. K., Chicago, Ill., assignor to Genie Enterprises, Inc. Hair drying device. 2,481,407, Sept. 6.
Fogel, Samuel, Montreal, Quebec, Canada. Transparent display container with slide. 2,481,302, Sept. 6.
Follmer, Alvin C., Mercer Island, Wash. Locking plug and jack. 2,480,843, Sept. 6.
Forma, Jerome L., H. A. Johnson, and R. E. Jacobson, Minneapolis, Minn. Combination lock. 2,481,099, Sept. 6.
Fortier, Jules B.: *See*—
Benner, Mart T., and Fortier.
Foster & Davies, Inc., assignee: *See*—
Schwartz, Frederick, Lewis and Feldman.
Foster, Theodore: *See*—
Bickel, Clifford A., Brandenburg, and Foster.
Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Adhesive composition. 2,481,100, Sept. 6.
Fox, Kenneth H., Red Bank, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamoelectric machine. 2,480,844, Sept. 6.
Frager, Max, and Hyman Iserson, Philadelphia, Pa. Electrolytic removal of resin from metal. 2,480,845, Sept. 6.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Company. Feeding apparatus. 2,481,101, Sept. 6.
Frank, John R., St. Charles, and W. A. Plagenberg, Sr., Berkeley City, Mo., and E. B. McCarty, Alton, Ill. Cable connector. 2,481,303, Sept. 6.
Frevel, Bart W., Minneapolis, Minn. Nail set. 2,481,304, Sept. 6.
Friedman, Herbert, Arlington, Va., and L. Wolfe, Washington, D. C. Ice detector. 2,480,846, Sept. 6.
Frost, Bernard J., Chicago, Ill. Garment bag. 2,481,102, Sept. 6.
Fuel Charger Corporation, assignee: *See*—
Parsons, Ben G.
Fuller, Charles W., Clewiston, Fla. Apparatus for drying bagasse. 2,481,305, Sept. 6.
Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Keyboard cover. 2,481,103, Sept. 6.
Fuller, Robert R., Tuscaloosa, Ala., and V. Woodside, Niagara Falls, N. Y., assignors to Mathieson Chemical Corporation. Regeneration of caustic soda-sodium sulfide cooking liquor. 2,481,408, Sept. 6.
Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,481,210, Sept. 6.
Fuqua, Mack C., Baton Rouge, La., assignor to Standard Oil Development Company. Azeotropic distillation of aqueous isopropanol contaminated by acetone. 2,481,211, Sept. 6.
Gagliardi, Nicholas G., Brooklyn, A. A. Finger, New York, and R. J. Stanton, Brooklyn, assignors to Induction Heating Corp., New York, N. Y. Multiturn split inductor. 2,481,008, Sept. 6.
Gainey, Percy, Linden, N. C. Liquid fuel burner of the pot type. 2,481,104, Sept. 6.
Gall, John F., Narberth, and H. C. Miller, Wyndmoor, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Electrochemical polishing of tantalum. 2,481,306, Sept. 6.
Gallington, Ralph O., College Park, Md., and J. M. Canaris, Arlington, Va. Protractor. 2,480,914, Sept. 6.
Garner, Philip J., Hooton, Wirral, and P. G. Croft-White, Chester, England, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halogen-containing plastic compositions. 2,481,307, Sept. 6.
Geer, Charles W., Long Beach, Calif. Color television device. 2,480,848, Sept. 6.
Geisel, Arthur F., assignor to Perfex Corporation, Milwaukee, Wis. Draft switch. 2,480,847, Sept. 6.
General American Transportation Corporation, assignee: *See*—
Greenawalt, John E.
General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.
Bavley, Abraham.
Fox, Arthur L.
Schmidt-Nickels, Wilhelm.
General Electric Company, assignee: *See*—
Bialous, Adolf J.
Brown, Coy W.
Jones, Ray D., and Merrill.
Neal, Stanford.
Newell, Heber L.
Sprenger, George W.
Tiffany, Raymond E., and Krajcik.
General Foods Corporation, assignee: *See*—
Kaufman, Charles W., Burgess, and Hollis.
Kempf, Norman W., and Hoben.
General Motors Corporation, assignee: *See*—
Bean, Xarifa L.
Funkhouser, Mearick.
Hindall, Alva L.
McDowall, Charles J., and Montieth.
Quinn, Clark E.
Schneider, Paul L., and Cromwell and Nighbert.
Schneider, Paul and Nighbert.
Taylor, William H.
Walker, Nelson.
General Railway Signal Company, assignee: *See*—
Preston, Neil D., and Hitchcock.
Genie Enterprises, Inc., assignee: *See*—
Fluegel, Ernest F. K.
George, Harry F., Chicago, Ill. Retractible safety belt. 2,480,915, Sept. 6.
Gersh, Alex: *See*—
Gersh, Morris and Alex.
Gersh, Morris and A., Highland, N. Y. Surgical cast. 2,480,849. Sept. 6.
Gibson, Christian D., assignor to Lyon-Raymond Corporation, Greene, N. Y. Elevating mechanism. 2,480,916, Sept. 6.
Gill, Robert J., Los Angeles, Calif. Well-drilling apparatus. 2,481,009, Sept. 6.
Gillette Safety Razor Company, assignee: *See*—
Bowen, Joseph M.
Girdler Corporation, The, assignee: *See*—
Miller, Bruce De H.
Glauser, Samuel, Le Locle, Switzerland. Field glass and protective cover therefor. 2,481,409, Sept. 6.
Glick, Jack: *See*—
Lonstein, Irving and Glick.
Goedrich, Louise M., executrix: *See*—
Goedrich, Paul.
Goedrich, Paul, Newark, N. J.; L. M. Goedrich, executrix of said Paul Goedrich, deceased. Sulfa-drugs and their production. 2,481,105, Sept. 6.
Goff, Richard C., Rockville, Md. Traction chain device. 2,481,308, Sept. 6.
Gold, Max, New York, N. Y. Retractible handle for motion-picture projector carriers. 2,481,106, Sept. 6.
Goldberg, Leo, U. S. Navy. Nonspill battery plug. 2,480,850, Sept. 6.
Goldman, Sanford L., Long Beach, N. Y. Transparent loose-leaf binder. 2,480,917, Sept. 6.
Goldman, Sanford L., Long Beach, N. Y. Collapsible easel. 2,480,918, Sept. 6.
Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Radio guiding system. 2,481,410, Sept. 6.
Goodman, Gilbert, Bayonne, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Porcelain enamel. 2,481,474, Sept. 6.
Goodman Manufacturing Company, assignee: *See*—
Sloane, William W.
Goodrich, B. F., Company, The, assignee: *See*—
Westfahl, Jerome C.
Gore, Albert J., Washington, D. C., assignor of forty-five per cent to F. G. Haynes. Combined rest, magazine support, and bookholder. 2,481,107, Sept. 6.
Gore, Albert J., Washington, D. C., assignor of forty-five per cent to P. L. Gore. Bent wire puzzle. 2,481,108, Sept. 6.
Gore, Philip L., assignee: *See*—
Gore, Albert J.
Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Rapid manufacture of sheet lumber. 2,480,851, Sept. 6.
Gould, Wallace E.: *See*—
Mueller, Lucien W., Bowan, and Gould.
Grace, Milton C., New Orleans, La. Game combining jig-saw puzzle and quiz. 2,481,109, Sept. 6.
Grace, Worthington T., Upper Darby, Pa., and J. C. Muller, Jr., Little Falls, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur vaporising apparatus. 2,481,411, Sept. 6.
Greenawalt, John E., Bronxville, N. Y., assignor to General American Transportation Corporation, Chicago, Ill. Dewatering process. 2,481,110, Sept. 6.
Greene, Richard B., Cheltenham Township, Montgomery County, Pa., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Recovery of styrene by azeotropic distillation. 2,480,919, Sept. 6.
Greenlee, Harry R., Indianapolis, assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,481,212, Sept. 6.

Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Inactivated compounds of antianemia metals. 2,481,412, Sept. 6.

Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Colloidal compounds containing metallic ions in inactive state. 2,481,413, Sept. 6.

Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Stable fortified milk products and preparing same. 2,481,414, Sept. 6.

Grindrod, George E., Oconomowoc, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Stable milk product containing added antianemia factor and making same. 2,481,415, Sept. 6.

Grinnell Corporation, assignee: *See*—
Loepsinger, Albert J.

Griswold, Hugh T., Burlingame, Calif., assignor to Owens-Illinois Glass Company. Sealed container and cap. 2,481,111, Sept. 6.

Groot, Cornelius: *See*—
Dunn, Clarence L., Souders, and Groot.

Grundon, John L., Des Moines, Iowa. Turntable unit for portable mechanical cranes. 2,481,416, Sept. 6.

Guardian Electric Manufacturing Co., assignee: *See*—
Nelsen, Marvin G.

Gullong, Jacob, assignor of fifty per cent to H. Wehming, Chicago, Ill. Automatically adjustable hair clipper. 2,480,920, Sept. 6.

Gummersall, Thomas A., Sunderland, England. Escapement mechanism. 2,481,213, Sept. 6.

Gump, Richard A., assignee: *See*—
James, Frazier N.

Gundelfinger, William E., assignor to Knapp-Monarch Company, St. Louis, Mo. Juicer for fruits and vegetables with vertical axis rotating grater plate. 2,481,010, Sept. 6.

Gunnarson, Elof, Minneapolis, Minn. Sharpening tool. 2,481,300, Sept. 6.

Gustavson, Alvin N. Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,481,011, Sept. 6.

Haber, Philmore J., assignee, trustee: *See*—
Campbell, John M.

Hahn, Herman F., assignor of two-thirds to H. F. Hahn, Evanston, and one-third to W. F. Karstens, Arlington Heights, Ill. Spraying attachment for centrifugal extractors. 2,480,921, Sept. 6.

Hale, George C., and L. F. Audrieth, Dover, N. J. Propellant powders. 2,480,852, Sept. 6.

Hales, Ralph A., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preparation of phenolphthalein beta,beta'-diglucoside octaacetate. 2,481,417, Sept. 6.

Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Method of and apparatus for dehydrating liquid products. 2,481,418, Sept. 6.

Hamilton, William F., Altadena, assignor to F. M. Turnbull, Los Angeles, Calif. Surgical dressing. 2,481,419, Sept. 6.

Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter permutation code signal combination counter. 2,481,112, Sept. 6.

Hans, Edmund E., Detroit, Mich. Carburetor. 2,480,853, Sept. 6.

Hanson, Clarence O., Rock Island, Ill. Hydraulic action center gauge. 2,481,420, Sept. 6.

Hardie, James B., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Shading coil. 2,481,113, Sept. 6.

Hardman, James A., assignor to Utah Scientific Research Foundation, Logan, Utah. Motion transforming mechanism. 2,480,854, Sept. 6.

Harper, Joseph J., Lansdowne, Pa. Valve. 2,481,214, Sept. 6.

Harriman, David: *See*—
Clark, Thomas, and Harriman.

Harshman, Richard E., Scotts Bluff, Nebr. Combination grass cutter and edge trimmer. 2,480,922, Sept. 6.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Reynst, Maximilien F.

Hartford National Bank & Trust Co., assignee, trustee: *See*—
Ter Berg, Josef, and Wijnen.

Harty, Andrew J., near Bradford, Ill. Apparatus for grinding cultivator disks. 2,481,215, Sept. 6.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,481,012, Sept. 6.

Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Pressure and heat-treating device. 2,481,216, Sept. 6.

Hastings Manufacturing Company, assignee: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.

Hatcher, Merrel E., assignor of ten per cent to A. Kulick, Richland, Wash. Tire pressure indicating device. 2,480,855, Sept. 6.

Hatchette, Andrew H., Cleveland, Ohio. Hook. 2,480,923, Sept. 6.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Metalworking apparatus. 2,481,421, Sept. 6.

Hayes Track Appliance Company, assignee: *See*—
Hayes, Stanley W.

Hayhurst, William L., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Toy wagon. 2,481,114, Sept. 6.

Haynes, Frances G., assignee: *See*—
Gore, Albert J.

Haynes, James D., Kilgore, Tex., and O. W. Lyons, Shreveport, La., assignors to The Dow Chemical Company, Midland, Mich. Spotting a fluid in a well. 2,481,422, Sept. 6.

Heger, Kenneth J., assignee: *See*—
Heger, Linus H.

Heger, Linus H., Hopkins, assignor to K. J. Heger, Oxboro, Minn. Dip device for minnows and the like. 2,480,924, Sept. 6.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Two-stage gaseous reduction of iron ore. 2,481,217, Sept. 6.

Henderson, Elting, Whittier, Calif. Pipe-joint test plug. 2,481,013, Sept. 6.

Henschke, Ulrich K., and H. A. Mauch, Dayton, Ohio. Leg prostheses. 2,480,856, Sept. 6.

Herschede, Walter J., Cincinnati, W. F. Herschede, Forestville, and W. N. Woodruff, Cincinnati, Ohio, assignors to International Vehicular Parking, Ltd. Parking meter and coin slot therefor. 2,481,423, Sept. 6.

Herschede, William F.: *See*—
Herschede, Walter J. and W. F., and Woodruff.

Herzog, Gerhard, Houston, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for radioactivity well logging. 2,481,014, Sept. 6.

Hess, Walter F., Chicago, Ill. Wedge-lock brake beam. 2,480,857, Sept. 6.

Hess, Walter F., Chicago, Ill. Brake beam. 2,481,064, Sept. 6.

Heurtier, Antoine, Saint-Etienne, France. Intermittent claw type film driving device. 2,481,115, Sept. 6.

Hill, John W., Mansfield, Ohio, assignor, by mesne assignments, to Empire Steel Company. Producing black oxide coated steel sheets. 2,481,424, Sept. 6.

Hindall, Alva L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Curing storage battery plates. 2,481,218, Sept. 6.

Hirst, Charles D., Cupertino, and G. L. Woodington, said G. L. Woodington assignor, by decree of distribution, to V. J. Woodington, North Sacramento, Calif. Proportioning valve. 2,480,925, Sept. 6.

Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.

Hobbs, James C., Painesville, Ohio. Pipe hinge. 2,480,858, Sept. 6.

Hoben, Harold H.: *See*—
Kempf, Norman W., and Hoben.

Hodgdon, Frank B., Naperville, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lead borosilicate enamel. 2,481,473, Sept. 6.

Hollander, Charles S., assignor to Röhm & Haas Company, Philadelphia, Pa. Preparation of thioether sulfonates. 2,480,859, Sept. 6.

Hollis, Frank, Jr.: *See*—
Kaufman, Charles W., Burgess, and Hollis.

Holmes, Henry S., Arlington, Mass., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Electric welding. 2,481,219, Sept. 6.

Holmgren, Eric A., deceased, Beverly, by G. A. Holmgren, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping prewelt shoe uppers. 2,480,926, Sept. 6.

Holmgren, Gertrude A., administratrix: *See*—
Holmgren, Eric A.

Hopkins, Nevil M., R. B. Hopkins, executrix of said N. M. Hopkins, deceased, assignor to R. B. Hopkins, New York, N. Y. Aerial torpedo. 2,480,927, Sept. 6.

Hopkins, Raymonde B., assignee, executrix: *See*—
Hopkins, Nevil M.

Horning, James W., Bloomsburg, Pa. Parachute canopy release device. 2,481,116, Sept. 6.

Hovey, C. Earl, assignee: *See*—
Bloomfield, Samuel, and Wallach.

Houdry Process Corporation, assignee: *See*—
Strader, Leroy F.

Hrdina, Rudolf, Tyniste nad Orlici, Bohemia, Czechoslovakia. Under pick motion for looms. 2,481,425, Sept. 6.

Hughes Tool Company, assignee: *See*—
Bagge, Walter.

Hull, Henry E., assignor to The Parker Appliance Company, Cleveland, Ohio. Hydraulic control for fuel selector valves. 2,481,426, Sept. 6.

Humphrey, James B., assignee: *See*—
Crot, André.

Hunt, Everett M., Portsmouth, N. H. Apparatus for bending a curled metal edge around a reinforcing wire. 2,480,860, Sept. 6.

Hunter, Cora H., Lewiston, Idaho. Bedpan pad. 2,481,427, Sept. 6.

Huntington, Daniel J. W., assignee: *See*—
Fewins, Frank.

Hurdis, Everett C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. 2,480,928, Sept. 6.

Hutchinson, Franklin B., and C. W. Miller, Rochester, and R. D. Thompson, East Rochester, assignors to Taylor Instrument Companies, Rochester, N. Y. Method of and apparatus for indicating cross sectional area of a bore of a capillary tube. 2,481,310, Sept. 6.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo substituted silicon polymers and making them. 2,480,822, Sept. 6.

Hyman, Sam M., Manitowoc, Wis. Button protector pad for drying machines. 2,480,929, Sept. 6.

Ilex Optical Company, assignee: *See*—
Schwarz, Alfred.

Ilford Limited, assignee: *See*—
Kendall, John D., and Doyle.

Induction Heating Corp., assignee: *See*—
Gagliardi, Nicholas G., Finger, and Stanton.

Industriaktiebolaget Luxor, assignee: *See*—
Wennerbo, Erik.

Industrie-enHandelmaatschappij "De Vuurslag" C. V., assignee: *See*—
Neutelings, Theodore R., and Neutelings.

Ingersoll, Roy C., Winnetka, assignor to Borg-Warner Corporation, Chicago, Ill. Chime construction for steel barrels. 2,481,015, Sept. 6.

International Standard Electric Corporation, assignee: *See*—
Busignies, Henri G.

International Vehicular Parking, Ltd., assignee: *See*—
Herschede, Walter J., W. Foy, and Woodruff.

Iron Fireman Manufacturing Company, assignee: *See*—
Webb, Ernest C.

Iserson, Hyman: *See*—
Frager, Max, and Iserson.

Iverson, Isedor, and S. M. Simonson, McGregor, Minn. Fluid transmission system. 2,481,220, Sept. 6.

Jackson, Elwood C., and T. H. Babb, Lyman, S. C., assignors to Pacific Mills. Making silver protective cloth. 2,480,930, Sept. 6.

Jacobson, Richard E.: *See*—
Formo, Jerome L., Johnson, and Jacobson.

Jaeger, Paul A., Canton, Ill. Sterilizing sink. 2,480,931, Sept. 6.

James, Frazier N., assignor of one-third to R. A. Gump, one-sixth to C. M. McMullin, and one-sixth to C. Kilgore, Dallas, Tex. Merchandise control gate for vending machines. 2,480,932, Sept. 6.

Jandasek, Vladimir J., assignor to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,480,933, Sept. 6.

Jaworski, Leonard A., Philadelphia, and J. Clutcher, Upper Darby, Pa. Battery filling and ventilating system. 2,480,861, Sept. 6.

Jeffrey Company, The, assignee: *See*—
Francis, Earle V.
Lindsay, James R.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.
Strawn, Orval R.

Jessen, Nicholas C.: *See*—
Kerr, Howard J., Carpenter, Armstrong, and Jessen.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,481,221, Sept. 6.

Jogwick, Walter E., Parkersburg, and E. H. McLaughlin, Vienna, W. Va. Tray-table. 2,481,117, Sept. 6.

Johns, Vernon N., Fort Worth, Tex. Fishing rod holder. 2,481,118, Sept. 6.

Johnson, Bennett M., Des Moines, Iowa. Hoist and tow mechanism. 2,481,223, Sept. 6.

Johnson, Claude U., Lakewood, Ohio. Stretcher device for shirt collars and the like. 2,481,016, Sept. 6.

Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Implement control device. 2,481,017, Sept. 6.

Johnson, Howard A.: *See*—
Formo, Jerome L., Johnson, and Jacobson.

Johnson, James P., Shaker Heights, Ohio, assignor to The Aro Equipment Corporation. Relief valve. 2,481,018, Sept. 6.

Johnson, Leon H., Warren, Pa. Bubble cap assembly for gas or vapor and liquid contact apparatus. 2,480,862, Sept. 6.

Jones, John P., Toronto, Ontario, Canada. Turbogenerator. 2,481,222, Sept. 6.

Jones & Laughlin Steel Corporation, assignee: *See*—
Brunner, Ray.

Jones, Ray D., and F. W. Merrill, Fort Wayne, Ind., assignors to General Electric Company. Regulated speed motor system. 2,481,311, Sept. 6.

Jordan, Wesley P., Cedar Springs, Mich. Lid lifter. 2,481,119, Sept. 6.

Joswick, Alexander A., Bayonne, N. J. Reel truck. 2,481,224, Sept. 6.

Joyce, James A., Gary, Ind. Ornamental colored flame candle. 2,481,019, Sept. 6.

Juel, Harry N., J. A. Schroeder, and F. B. Lewis, Denver, Colo. Railway journal box. 2,481,120, Sept. 6.

Julien, Maurice F. A., Paris, France. Suspension system for automobile vehicles. 2,480,934, Sept. 6.

Justus, James E., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Engine control means. 2,481,020, Sept. 6.

Kaiser-Fraser Corporation, assignee: *See*—
Miller, John A.

Karsteins, Walter F., assignee: *See*—
Hahn, Herman F.

Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Pressure seal. 2,481,121, Sept. 6.

Kather, Erich N.: *See*—
Brown, William C., and Kather.

Kaufman, Charles W., Tenafly, H. M. Burgess, Dumont, and F. Hollis, Jr., Weehawken, N. J., assignors to General Foods Corporation, New York, N. Y. Preparing dehydrated mashed potatoes. 2,481,122, Sept. 6.

Kaye, Robert L., Newark, N. J. Fog penetrating device 2,481,225, Sept. 6.

Kellogg, M. K., Company, The, assignee: *See*—
Dickinson, Norman L.

Kemp, Robert E.: *See*—
Bouwkamp, Harvey L., and Kemp.

Kempf, Norman W., Auburndale, Mass., and H. H. Hoben, River Forest, Ill., assignors, by mesne assignments, of fifty per cent to General Foods Corporation, New York, N. Y. Chocolate products. 2,480,935, Sept. 6.

Kempthorne, James L., Montclair, N. J. Rolling device. 2,481,021, Sept. 6.

Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Production of cyanine dyestuffs. 2,481,022, Sept. 6.

Kentlee Company, Inc., The, assignee: *See*—
Smith, Richard A.

Kern, Erwin, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Circuit breaker system. 2,481,428, Sept. 6.

Kerr, Howard J., Westfield, N. J., O. R. Carpenter, and F. W. Armstrong, Jr., Barberton, and N. C. Jessen, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rocklegh, N. J. Welding apparatus. 2,480,863, Sept. 6.

Kerr, Robert, Detroit, Mich. Safety hatch operating mechanism. 2,481,429, Sept. 6.

Kershaw, John G., Westmount, Quebec, assignor to Dominion Textile Company Limited, Montreal, Quebec, Canada. Slub yarn apparatus drive. 2,480,936, Sept. 6.

Kilgore, Collins, assignee: *See*—
James, Frazier N.

Kirby, Wilfred, assignor to Vickers-Armstrongs Limited, London, England. Clinching anvil for stapling machines. 2,481,023, Sept. 6.

Kirschner, Louis A., Chicago, Ill. Closure for washing bowls, sinks, and plumbing fixtures. 2,481,312, Sept. 6.

Knapp-Monarch Company, assignee: *See*—
Gundelfinger, William E.
Tomasek, Herbert F., and Ward.

Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Winding coils. 2,481,313, Sept. 6.

Knauf, Harry V., Jr., Oaklyn, N. J., assignor to Radio Corporation of America. Coil-winding machine. 2,481,314, Sept. 6.

Knecht, Robert C., Cleveland, Ohio. Pivoted jaw wrench actuated by torque-applying extension handle. 2,481,024, Sept. 6.

Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making shafts having sheet metal journal surfaces. 2,481,025, Sept. 6.

Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Magazine for wire hook belt lacers. 2,481,123, Sept. 6.

Koller, Frederick W., Huntington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pressure seal for rotary joints. 2,481,430, Sept. 6.

Krajcik, Frank J.: *See*—
Tiffany, Raymond E., and Krajcik.

Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Two-stage reduction process for producing metal catalyst. 2,481,226, Sept. 6.

Kreps, Saul I.: *See*—
Leum, Leonard N., Macuga, and Kreps.

Kruger, Seraphim, Northampton, assignor to The Express Lift Company Limited, London, England. Door-operating mechanism for lift doors and the like. 2,481,124, Sept. 6.

Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric range. 2,481,227, Sept. 6.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Refrigerator control thermostat. 2,480,937, Sept. 6.

Kulick, Alex, assignee: *See*—
Hatcher, Merrel E.

Laboratories Medial S. A., assignee: *See*—
Cohen, Heinrich.

Landry, Bertrand A.: *See*—
Sherman, Ralph A., and Landry.

Landry, Bertrand A., Columbus, Ohio. Down and cross draft beater, including airtight ash pit. 2,481,165, Sept. 6.

Langlykke, Asger F.: *See*—
Tsuchiya, Henry M., Van Lanen, and Langlykke.

Lannan, Joseph P., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Tire carrier for balancing machines. 2,481,125, Sept. 6.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,480,938, Sept. 6.

La Scola Corporation, assignee: *See*—
Pierrez, Percival A.

Law, Russell R., and L. Pensak, Princeton, N. J., assignors to Radio Corporation of America. Ultra high frequency electron discharge device having elongated electrodes. 2,481,026, Sept. 6.

Lawrence, Leslie G., Newton Center, assignor to Raytheon Manufacturing Company, Newton, Mass. Adapter. 2,481,027, Sept. 6.

Laws, Claude V., Rosemead, Calif. Apparatus for automatically controlling traffic. 2,481,126, Sept. 6.

Layne, Alice M., Detroit, Mich. Portable electric refrigerator. 2,481,228, Sept. 6.

Lear, Incorporated, assignee: *See*—
Lear, William P.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Axially engaging electromagnetic clutch and brake. 2,481,028, Sept. 6.

Ledwinka, Joseph, assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,481,127, Sept. 6.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,481,128, Sept. 6.

Lee, Robert J., La Marque, Tex., and H. D. Radford, Columbia, Mo., assignors to Pan American Refining Corporation, Texas City, Tex. Xylene-benzene conversion. 2,480,939, Sept. 6.

Lehnert, Wayne, Peotone, Ill. Variable ratio drive. 2,481,315, Sept. 6.

Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Friction damped truck. 2,481,475, Sept. 6.

Le Lous, Jean F., Dijon, France. Surgical dressing element. 2,481,316, Sept. 6.

Leominster Tool Company, Inc., assignee: *See*—
Caron, Ludger J.

Leonard, Ward Electric Company, assignee: *See*—
Logan, Frank G.

Lepine-Williams, Basil H., Coventry, England. Electric welding apparatus. 2,481,317, Sept. 6.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Screw and nut actuator. 2,481,129, Sept. 6.

Leum, Leonard N., Bywood, and S. J. Macuga, Lansdowne, Pa., and S. I. Kreps, Bronx, N. Y., assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of aliphatic ethers. 2,480,940, Sept. 6.

Levine, Sanford, assignee: *See*—
Morset, Palmer J.

Lewin, Gerhard, Geneva, Ill., assignor to American Electro Metal Corporation, Yonkers, N. Y. Electrical heating element. 2,481,229, Sept. 6.

Lewis, Francis B.: *See*—
Juel, Harry N., Schroeder, and Lewis.

Lewis, Murray R.: *See*—
Schwartz, Frederick, Lewis and Feldman.

Lewis, Richard W., Dundee, Scotland, and L. R. Rowe, South Shields, assignors to Burndept Limited, Erith, England. Composite receptacle for flat cells and making. 2,480,941, Sept. 6.

Lindemann & Hoverson Company, A. J., assignee: *See*—
Kuenne, Kuno R.

Lindemuth, Ralph L., Joplin, Mo., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Drier for thermal pipe insulation. 2,481,130, Sept. 6.

Lindsay, James R., Arlington Heights, assignor to Gordon Varney, Chicago, Ill. Spring suspension for vehicles. 2,481,029, Sept. 6.

Lindsay, James R., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Company. Vibrating apparatus. 2,481,131, Sept. 6.

Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,481,030, Sept. 6.

Lissman, Marcel A., Cambridge, assignor to Raytheon Manufacturing Company, Newton, Mass. Frequency converter. 2,481,132, Sept. 6.

Loepsinger, Albert J., assignor to Grinnell Corporation, Providence, R. I. Spring support. 2,480,864, Sept. 6.

Lofstrand, Anders R., Silver Spring, Md. Leverage pulley. 2,480,865, Sept. 6.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Shockproof electromagnetic relay. 2,481,431, Sept. 6.

Lonnee, Clifford J.: *See*—
Olsen, Ernest R., Flora, and Lonnee.

Lonstein, Irving, and J. Glick, New York, N. Y. Collapsible bath and dressing table. 2,481,318, Sept. 6.

Lukasiewics, Sigmund J.: *See*—
Brooks, John W., and Lukasiewics.

Luketa, Frank J., Seattle, Wash. Chair. 2,481,133, Sept. 6.

Lundquist, Ivan F., Norrköping, Sweden. Sawing machine. 2,480,942, Sept. 6.

Lusk, Rolland W., Dayton, Ohio. Spline aligning device for propellers or the like. 2,480,866, Sept. 6.

Lyon-Raymond Corporation, assignee: *See*—
Gibson, Christian D.

Lyons, Orlin W.: *See*—
Haynes, James D., and Lyons.

MacDonald, William B., Jr., Chicago, Ill. Vehicle trailer. 2,481,230, Sept. 6.

Macdonald, William G., and W. A. Cooper, assignors to William Cotton Limited, Loughborough, England. Straight bar knitting machine. 2,480,945, Sept. 6.

MacDougall, Kirkland B., Benton, Pa. Adjusting mechanism between brake shaft and lever. 2,481,319, Sept. 6.

MacPhillamy, Harold B.: *See*—
Wintersteiner, Oskar, MacPhillamy, and Mensel.

Macuga, Stephen J.: *See*—
Leum, Leonard N., Macuga, and Kreps.

Madorsky, Samuel L., Washington, D. C., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic pump. 2,481,320 Sept. 6.

Maiden Form Brassiere Company, Inc., assignee: *See*—
Coleman, Joseph A.

Main, David W., Denver, Colo. Auxiliary hot water heater. 2,481,480. Sept. 6.

Mallett, Montville B., assignor to English Electric Company of Canada Limited, St. Catherines, Ontario, Canada. Transformer tank. 2,481,134, Sept. 6.

Malmstrom, Ivar.: *See*—
Woodward, Eric R., and Malmstrom.

Malpass, John J., Burgaw, N. C. Electric lawn mower. 2,480,944, Sept. 6.

Maness, Sterling E., Jr., Wheaton, and S. E. Maness, Sr., Rocky Comfort, Mo. Vehicle cooling system. 2,481,135, Sept. 6.

Maness, Sterling E., Sr.: *See*—
Maness, Sterling E., Jr., and Sterling, Sr.

Marcinik, Theodore A., Latrobe, Pa. Visible headlight indicator and guide. 2,481,321, Sept. 6.

Marconi Sounding Device Company Limited, assignee: *See*—
Best, Frank P.

Marine Magnesium Products Corporation, assignee: *See*—
Clarke, Robert E., and Collins.

Maris, Harry B., Riverdale, Md., assignor to the United States of America as represented by the Secretary of the Navy Aircraft instrument. 2,480,867, Sept. 6.

Marmont, George H., Chicago, Ill., assignor to Bendix Aviation Corporation, Detroit, Mich. Electronic musical instrument. 2,480,945, Sept. 6.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.

Marshall, Charles J., Dayton, Ohio. Guided missile control system. 2,480,868, Sept. 6.

Marshall, Hamilton L. J., assignor to Paterson Plastics Co., Mobile, Ala. Thermosetting synthetic molding composition and its manufacture. 2,481,136, Sept. 6.

Martin, Russell G., Russellville, W. Va. Safety device for setting off explosive charges. 2,481,231, Sept. 6.

Mathieson Chemical Corporation, assignee: *See*—
Dubeau, Archie L.
Fuller, Robert R., and Woodside.
Woodward, Eric R., and Malmstrom.

Mathieson Chemical Corporation, The, assignee: *See*—
Petroe, Gregory A.

Matner, Vincent E.: *See*—
Newell, Floyd B., and Matner.

Mattausch, William T., Rosalia, Wash. Garment hanger. 2,481,432, Sept. 6.

Mauch, Hans A.: *See*—
Henschke, Ulrich K., and Mauch.

May Hosiery Mills, assignee: *See*—
Schwartz, Shepard.

Mayer, Max J., Scarsdale, N. Y. Seed for production of titanium dioxide and making same. 2,480,869, Sept. 6.

McBroom, John K., Waukesha, Wis. Tilting means for electric furnaces. 2,481,433, Sept. 6.

McCarty, Everett B.: *See*—
Frank, John R., Plagenberg, and McCarty.

McCoy, Howard M., Elmira, N. Y. Variable pitch propeller. 2,480,871, Sept. 6.

McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Stabilized bituminous emulsion. 2,481,322, Sept. 6.

McCoy, Paul E., San Francisco, and G. S. Smith, Berkeley, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Bituminous emulsions and the like. 2,481,323, Sept. 6.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corp., Wilmington, Del. Winding method and apparatus. 2,481,031, Sept. 6.

McDowall, Charles J., and O. V. Montieth, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Torsional vibration damper. 2,480,946. Sept. 6.

McEachran, Paul R., Downey, Calif. Brake shoe construction 2,480,947, Sept. 6.

McHenry Harland L.: *See*—
Parker, Leland C., McHenry, and Dickey.

McLaughlin, Eli H.: *See*—
Jogwick, Walter E., and McLaughlin.

McLaughlin, James L. A., La Jolla, Calif. Automatic heterodyne eliminator. 2,480,870, Sept. 6.

McMullin, C. M., assignee: *See*—
James, Frazier N.

McNiel, James E., Alhambra, Calif. Mechanism for turning on a porch light when a doorbell is rung. 2,481,137, Sept. 6.

McQueen, David M., and D. W. Woodward, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cyclic aminobenzaldehyde acetals of 1,2- and 1,3-glycols of two to four carbon atoms. 2,481,434, Sept. 6.

Menzel, Arthur E. O.: *See*—
Wintersteiner, Askar, MacPhillamy, and Mensel.

Mercer, David L., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Adjustable roll mounting. 2,481,138, Sept. 6.

Merck & Co., Inc., assignee: *See*—
Waiti, Alphonse.

Merrill, Frank W.: *See*—
Jones, Ray D., and Merrill.

Metropolitan Engineering Company, assignee: *See*—
Holmes, Harry S.

Meunier, Charles, Great Neck, N. Y. Leverage wrench. 2,481,435, Sept. 6.

Meyer, Frederick: *See*—
Burchett, Ray L., and Meyer.

Micro-Poise Engineering and Sales Company, assignee: *See*—
Lannen, Joseph P.

Mieher, Walter W.: *See*—
Barrow, Wilmer L., Pensyl, and Mieher.

Miller Bros. Hat Co. Inc., assignee: *See*—
Press, Morris.

Miller, Bruce D., assignor to The Girdler Corporation, Louisville, Ky. Processing of starch pastes. 2,481,436, Sept. 6.

Miller, Carlton W.: *See*—
Hutchinson, Franklin B., Miller, and Thompson.

Miller Company, The, assignee: *See*—
DeLancey, Ralph W.

Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter drive. 2,481,324, Sept. 6.

Miller, Dustin Y.: *See*—
Seymour, George W., and Miller.

Miller, Edwin A., Fairfield, Conn. Self-locking mountable fastener member. 2,481,325, Sept. 6.

Miller, Henry C.: *See*—
Gall, John F., and Miller.

Miller, John A., Detroit, assignor to Kaiser-Frazer Corporation, Willow Run, Mich. License plate holder. 2,481,437, Sept. 6.

Miller, Paul T., Byron, Mich. Trailer hitch. 2,481,139, Sept. 6.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, William J., Swissvale, assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for making high-grade pottery ware. 2,481,326, Sept. 6.

Milliray, Robert, Santa Monica, Calif. Bicycle brake. 2,481,327, Sept. 6.

Miner, Robert G.: *See*—
Ringquist, Clarence L., and Miner.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.
Link, John H.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Carns, Vernon J.

Missouri Automatic Control Corporation, assignee: *See*—
Eggert, Deane O.

Moiseew dit Stone, Jean, Paris, France. Hair drying apparatus. 2,481,328, Sept. 6.

Molnar, Nicholas M.: *See*—
Segessemann, Ernest, and Molnar.

Monarch Machine Tool Co., The, assignee: *See*—
Bickel, Clifford A., Brandenburg, and Foster.

Monat, Seymour M., Brooklyn, N. Y. Sash ventilating device. 2,481,329, Sept. 6.

Monsanto Chemical Company, assignee: *See*—
Conover, Courtney.

Montgomery Ward & Co., Incorporated, assignee: *See*—
Hayhurst, William L.

Montieth, Oscar V.: *See*—
McDowall, Charles J., and Montieth.

Moon, Max A., Salem, Oreg. Para-kite attachment. 2,480,948, Sept. 6.

Moore, James R., Rumson, N. J., assignor to the United States of America as represented by the Secretary of War. Beam tube receiver input. 2,480,872, Sept. 6.

Moore, Norman C., Plumpton, near Towcester, assignor to The Plessey Company Limited, Ilford, England. Powder metallurgy. 2,481,232, Sept. 6.

Morison, Charles R. W., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Viscous water-soluble cellulose ether solutions and making same. 2,480,949, Sept. 6.

Morris, John R., Lawrenceville, Ill., and J. E. Fields, Dayton, Ohio, assignors to The Texas Company, New York, N. Y. Preparation of metal derivatives of organic compounds containing a replaceable hydrogen. 2,480,823, Sept. 6.

Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Process and products of sulfurization of linear methylpentadiene polymers. 2,481,140, Sept. 6.

Morrison, David, Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Electrical switch. 2,481,141, Sept. 6.

Morset, Palmer J., assignor of one-half to S. Levine, Chicago, Ill. Tuck pointer's hawk. 2,481,233, Sept. 6.

Motorola, Inc., assignee: *See*—
Wallin, Gus W.

Mount, Alva I., and K. A. Raypholtz, Marion, Ind. Automatic adjustable pitch propeller. 2,481,032, Sept. 6.

Mowery, Dwight F., Jr., Marblehead, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N (ethyl mercury)-p-toluene sulfonanilide as seed disinfectant. 2,481,438, Sept. 6.

Muehl, Milton B., assignee: *See*—
Bettendorf, Jacob M.

Mueller Co., assignee: *See*—
Mueller, Lucien W., Bowan, and Gould.
Smith, John J.

Mueller, Lucien W., W. J. Bowan, and W. E. Gould, assignors to Mueller Co., Decatur, Ill. Corporation stop. 2,481,142, Sept. 6.

Müller, Géza W., Bron, assignor to Societe Industrielle Generale de Mecanique Appliquee (S. I. G. M. A.), Venissieux (Department of Rhone), France. Gear pump. 2,481,143, Sept. 6.

Muller, Joseph C., Jr.: *See*—
Grace, Worthington T., and Muller, Jr.

Murphy, Clyde G., Parlin, and J. P. Sermattei, Matawan, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and applying same. 2,480,824, Sept. 6.

Murphy, John J., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Cartridge belt link. 2,480,050, Sept. 6.

Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color yielding photographic elements. 2,481,476, Sept. 6.

Muskegon Piston Ring Company, assignee: *See*—
Stenwall, Robert.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricants. 2,480,873, Sept. 6.

National Inventions Corporation, assignee: *See*—
Bridges, John H.

National Metal Edge Box Company, assignee: *See*—
Stumpf, Michael J.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Blomquist, Alfred T., and Fiedorek.
Maris, Harry B.
Thimann, Kenneth V.

Neal Stanford, Schenectady, N. Y., assignor to General Electric Company. Variable jet nozzle. 2,481,330, Sept. 6.

Neale, Fred, Coventry, England. Brake and clutch operating mechanism. 2,481,144, Sept. 6.

Nelsen, Marvin G., Skokie, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Selector-stepper switch. 2,481,033, Sept. 6.

Nelson, Karl J.: *See*—
Scharmann, Walter G., and Nelson.

Neufeld, Jacob, Tulsa, Okla. Apparatus for determining right characteristics of clouds by reflections. 2,481,034, Sept. 6.

Neumann, Anna, Brooklyn, N. Y. Buckle. 2,480,874, Sept. 6.

Neutelings, Theodoor R., and Willem Neutelings, assignors to Industrie-en Handelmaatschappij "De Vuuralag," C. V., Bergen op Zoom, Netherlands. Baking oven. 2,480,951, Sept. 6.

Neutelings, Willem: *See*—
Neutelings, Theodoor R. and W.

Newbold, Hannah M., executrix: *See*—
Newbold, William H. and H. M.

Newbold, William H., deceased, late of Langhorne, Pa., by H. M. Newbold, executrix, Langhorne, Pa., assignor, by mesne assignment, to Philco Corporation, Philadelphia, Pa. Antenna orientation control system. 2,481,331, Sept. 6.

Newell, Floyd B., and V. E. Matner, assignors to Taylor Instrument Companies, Rochester, N. Y. Hygrometer. 2,481,332, Sept. 6.

Newell, Heber L., Fishkill, N. Y., assignor to General Electric Company. Electric switch mechanism. 2,481,333, Sept. 6.

New Jersey Zinc Company, The, assignee: *See*—
Reimert, Lawrence J., and Fatzinger.

Nicole, Maurice Y.: *See*—
Davies, Frank P., and Nicole.

Nicolls, Wilfrid E. W., assignor to C. A. V. Limited, Acton, England. Hydraulic governor. 2,481,334, Sept. 6.

Nielsen, Sidney E., Shreveport, La. Hand cart with load fastener. 2,481,145, Sept. 6.

Nighbert, Dennis W.: *See*—
Schneider, Paul L., and Cromwell and Nighbert.
Schneider, Paul and Nighbert.

Nilsson, Nils A., Stockholm, Sweden. Easel. 2,480,952, Sept. 6.

Nopco Chemical Company, assignee: *See*—
Price, Donald and Sprules.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Navigation system. 2,480,875, Sept. 6.
O'Cedar Corp'n., assignee: *See*—
Dupuy, Charles F. J.
Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Gas-solids contacting apparatus including means for stripping solid particles. 2,481,429, Sept. 6.
Ogrydziak, Anthony A., Baltimore, Md. Combination shade and curtain holder. 2,481,234, Sept. 6.
Ohio State University Research Foundation, The, assignee: *See*—
Bois, George A., and Wyatt.
Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.
Olsen, Ernest R., R. F. Flora, and C. J. Lonnee, Muskegon, assignors to Hastings Manufacturing Company, Hastings, Mich. Boring fixture for machine tools. 2,481,335, Sept. 6.
Orlando, Joseph, Brooklyn, N. Y. Rotary drum cheese grater. 2,481,336, Sept. 6.
Osborn Manufacturing Company, The, assignee: *See*—
Peterson, Ruben O.
Osner, Clarence W., Chicago, Ill. Unitary brake beam and head. 2,480,953, Sept. 6.
Owens-Illinois Glass Company, assignee: *See*—
Griswold, Hugh T.
Pacific Mills, assignee: *See*—
Jackson, Elwood C., and Babb.
Paden, Frederick T., United States Army, Collingswood, N. J. Invertible field desk and file cabinet. 2,480,876, Sept. 6.
Page and Cox, assignee: *See*—
Page, Clarence.
Page, Clarence, assignor to Page and Cox, Detroit, Mich. Egg-grading machine. 2,481,440, Sept. 6.
Palken, George, and N. Einis, Dorchester, Mass. Sounding top spinner. 2,481,337, Sept. 6.
Palmer, Charles O., Berghols, Ohio. Fishing rod holder and reel lock. 2,481,338, Sept. 6.
Palmer, Robert T., Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Dehydration of foods by sublimation. 2,480,954, Sept. 6.
Palumbo, Vincent E., Cleveland Heights, Ohio. Compact bearing with axially aligned bearing means. 2,481,146, Sept. 6.
Pan American Refining Corporation, assignee: *See*—
Lee, Robert J., and Radford.
Paragon Electric Company, assignee: *See*—
Morrison, David.
Parker Appliance Company, The, assignee: *See*—
Hull, Henry E.
Williams, Eugene D.
Parker, Leland C., Elmira, N. Y., and H. L. McHenry, Sayre, Pa., and J. W. Dickey, Newfield, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Reciprocating electromagnetic motor. 2,481,147, Sept. 6.
Parr, Ralph G., and S. D. Parr, Auburn, Wash. Rotary jet-actuated motor. 2,481,235, Sept. 6.
Parr, Samuel D.: *See*—
Parr, Ralph G. and S. D.
Parsons, Ben G., Grosse Pointe, assignor to Fuel Charger Corporation, Detroit, Mich. Fuel injector. 2,481,441, Sept. 6.
Paterson Plastics Co., assignee: *See*—
Marshall, Hamilton L. J.
Patterson, William G., Chicago, Ill. Heat-exchanging blower. 2,481,236, Sept. 6.
Patton, John W., assignor to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,481,148, Sept. 6.
Paul, Edgar D., Wynnewood, Pa. Adjustable hand rake. 2,481,442, Sept. 6.
Pawlansky, Sam, Chicago, Ill., now by judicial change of name, Sam Women Sam. Laundry drying rack. 2,481,443, Sept. 6.
Peery, Walter E., Morristown, N. J. Screw and nut bed actuator. 2,481,477, Sept. 6.
Penfield, Charles S., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Drilling fluid composition. 2,481,339, Sept. 6.
Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Joint sealing means for well heads. 2,480,955, Sept. 6.
Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Well head assembly. 2,481,035, Sept. 6.
Penn Electric Switch Co., assignee: *See*—
Rothwell, John J., and Schell.
Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Gall, John F., and Miller.
Pensak, Louis: *See*—
Law, Russell R., and Pensak.
Pensyl, Daniel S.: *See*—
Barrow, Wilmer L., Pensyl, and Mieher.
Peoples in the territory of the United States, dedicated to the free use of the, assignee: *See*—
Stamm, Alfred J., and Turner.
Perfex Corporation, assignee: *See*—
Geisel, Arthur F.
Peschke, Carl, Detroit, Mich. Overhead trolley conveyer. 2,480,956, Sept. 6.
Peters, Leslie M.: *See*—
Castner, Robert C., and Peters.
Peterson, Adolphe C., Minneapolis, Minn. Air-conditioning and heating means. 2,481,149, Sept. 6.
Peterson, Ruben O., University Heights, assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Rotary brush. 2,480,877, Sept. 6.
Petroe, Gregory A., Kenmore, N. Y., assignor to The Mathieson Chemical Corporation. Carbon dioxide vaporizer. 2,481,478, Sept. 6.
Phelan, John A.: *See*—
Clapp, Roger H., and Phelan.
Phelps, Ross W., Orillia, Ontario, Canada. Portable power-driven reciprocating saw. 2,480,957, Sept. 6.
Philco Corporation, assignee: *See*—
Newbold, William H., and H. M. Sunstein, David E.
Philippon, Nazaire, assignor to Filature & Tressage Vanham, Société Anonyme, Wauthier-Braine, Belgium. Spindle for braiding looms. 2,481,237, Sept. 6.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,481,340, Sept. 6.
Phillips Petroleum Company, assignee: *See*—
Eberle, Jack F.
Pierce, Herbert I.: *See*—
Sourwine, William A., and Pierce.
Pierce, Jerry A., and R. W. Richardson, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing a group VIII metal-on-aluminum catalyst. 2,481,238, Sept. 6.
Pierce Laboratory, Inc., assignee: *See*—
Babayan, Vigen K.
Pierres, Percival A., Belleville, assignor to La Scola Corporation, Orange, N. J. Portable trouble light for automobiles. 2,481,444, Sept. 6.
Pietzsch, Frank H., assignor to Western Railway Equipment Company, St. Louis, Mo. Forked connector and rod assembly. 2,480,958, Sept. 6.
Pifer, Lewis W.: *See*—
Pifer, Robert T. A., and L. W.
Pifer, Robert T. A., and L. W. Pifer, Durham, N. C. Shock-absorbing apparatus. 2,481,150, Sept. 6.
Pils, Gerhard P.: *See*—
von Fuchs, George H. and Pils.
Plagenberg, Walter A., Sr.: *See*—
Frank, John R., Plagenberg, and McCarty.
Pledger, William A., San Francisco, Calif. Ventilating device for kitchens and kitchen stoves. 2,481,341, Sept. 6.
Plessey Company Limited, The, assignee: *See*—
Moore, Norman C.
Polaroid Corporation, assignee: *See*—
Barnes, Arthur.
Powers, Donald M., Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,481,151, Sept. 6.
Premo, Joseph G., Jr., Barrington, Ill. Fish lure. 2,481,445, Sept. 6.
Presby, Leroy G., Melrose, assignor to American Stay Company, East Boston, Mass. Strip cutting machine. 2,481,342, Sept. 6.
Presnell, Harry E., Mesa, Ariz. Carbo loader for vehicles. 2,480,959, Sept. 6.
Press, Morris, Brooklyn, assignor to Miller Bros. Hat Co. Inc., New York, N. Y. Hat forming machine. 2,480,960, Sept. 6.
Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic controlling system with verification of communicated messages. 2,481,239, Sept. 6.
Price, Donald, New York, N. Y., and F. J. Sprules, Arlington, assignors to Nopco Chemical Company, Harrison, N. J. Alpha-halogenated keto fatty compounds. 2,481,036, Sept. 6.
Prill, Erhard J., Creskill, N. J., assignor to United States Rubber Company, New York, N. Y. Making alpha, beta-dimethylene-succinonitrile. 2,480,961, Sept. 6.
Pringle, Edward S., Norfolk, Va., assignor to The J. G. Wilson Corporation, New York, N. Y. Multiple torsion spring. 2,481,037, Sept. 6.
Prosperity Company, Inc., The, assignee: *See*—
Davis, Ernest.
Prue, Walter W., Auburn, Maine, assignor to United Shoe Machinery Corporation, Boston, Mass. Device for turning platform covers on slip-lasted shoes. 2,480,962, Sept. 6.
Quijada, Louis, Alhambra, Calif. Pipe and tube cutter. 2,481,446, Sept. 6.
Quinn, Clark E., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Connector. 2,480,963, Sept. 6.
Radford, Herschel D.: *See*—
Lee, Robert J., and Radford.
Radio Corporation of America, assignee: *See*—
Dale, William C.
Duke, Vernon J., and Clark.
Goldsmith, Alfred N.
Knauf, Harry V., Jr.
Law, Russell R., and Pensak.
Schroeder, Alfred C.

Raley, John H.: *See*—
Rust, Frederick F., Raley, and Vaughan.
Randall, Walter, Dallas, Tex. Storage battery plate connection. 2,480,964, Sept. 6.
Rapinwax Paper Company, assignee: *See*—
Anderson, Harlan V., Sr.
Rapson, William H., and M. Wayman, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Producing chlorine dioxide. 2,481,240, Sept. 6.
Rapson, William H., and M. Wayman, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Removing chlorine from mixtures containing chlorine dioxide and chlorine. 2,481,241, Sept. 6.
Rayfield, C. L., Company, assignee: *See*—
Rayfield, Charles L.
Rayfield, Charles L., assignor to C. L. Rayfield Company, Chicago, Ill. Fuel oil preheat control. 2,481,038, Sept. 6.
Raypholtz, Kenneth A.: *See*—
Mount, Alva I., and Raypholtz.
Raytheon Manufacturing Company, assignee: *See*—
Anderson, Homer G.
Brown, William C.
Brown, William C., and Kather.
Lawrence, Leslie G.
Lissman, Marcel A.
Powers, Donald M.
Spencer, Percy L.
Stutsman, Paul W.
Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring apparatus and system. 2,480,878, Sept. 6.
Redmond, Norbert M., Sr., New Orleans, La. Pipe and sewer cleaning apparatus. 2,481,152, Sept. 6.
Redstone, Louis G., Detroit, Mich. Helicopter station. 2,481,343, Sept. 6.
Reget, George, St. Albans, N. Y. Cake icing machine. 2,481,242, Sept. 6.
Reimert, Lawrence J., and E. A. Fatsinger, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Fluorescent zinc oxide pigments. 2,481,344, Sept. 6.
Remington Rand Inc., assignee: *See*—
Thierfelder, Emil F.
Remke, Theodore K., and E. F. Smith, Detroit, Mich. Closure for vehicle bodies. 2,480,965, Sept. 6.
Rennius Company, assignee: *See*—
Kasten, Walter.
Research Corporation, assignee: *See*—
Barrow, Wilmer L., Pennsyl, and Mieher.
Reynolds Metals Company, assignee: *See*—
Cage, James.
Reynst, Maximilien F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for magnetically determining thickness of coatings. 2,481,345, Sept. 6.
Rheberg, Steven C.: *See*—
Smyser, Willis M., and Rheberg.
Rice, John V., Jr., assignor to John V. Rice, Jr. Corporation, Philadelphia, Pa. Power actuated percussion tool. 2,480,879, Sept. 6.
Rice, John V., Jr., Corporation, assignee: *See*—
Rice, John V., Jr.
Richards, William H., Dayton, Ohio. Developer-roll film. 2,480,880, Sept. 6.
Richardson, Arthur T., and W. A. Smith, assignors to Smith & Richardson Manufacturing Company, Geneva, Ill. Apparatus for making cast bodies with inserted coils. 2,480,966, Sept. 6.
Richardson, Robert W.: *See*—
Pierce, Jerry A., and Richardson.
Rigby, Thomas S., Miami, Fla. Fishing float. 2,481,346, Sept. 6.
Riggen, Theodore K., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Photoelectric counting device. 2,481,347, Sept. 6.
Ringquist, Clarence L., and R. G. Miner, assignors to The Trane Company, La Crosse, Wis. Air-conditioning apparatus with defrosting means. 2,481,348, Sept. 6.
Ritchie, Alexander J., assignor to Electric Boat Company, Bayonne, N. J. Aerial discharge device. 2,480,967, Sept. 6.
Ritsler, John A.: *See*—
Schmidt, William E., and Ritsler.
Rivington, Arthur A.: *See*—
Clarke, Thomas B., and Rivington.
Robichaud, Edmund J., Middletown, assignor to The Billings and Spencer Company, Hartford, Conn. Driving mechanism for automatic bar stock machines and the like. 2,481,153, Sept. 6.
Robie, Norman P., Lewiston, assignor to The Carborundum Company, Niagara Falls, N. Y. Polymerization of organic silicon compounds. 2,481,349, Sept. 6.
Robinson, Myrtle F., Baltimore, Md. Soap container. 2,481,243, Sept. 6.
Röhm & Haas Company, assignee: *See*—
Hollander, Charles S.
Rowland, Stanley P.
Ronai, Ernest, Woollahra, near Sydney, New South Wales, Australia. Variable transmission means. 2,480,968, Sept. 6.
Ronson Art Metal Works, Inc., assignee: *See*—
Burchett, Ray L., and Meyer.
Rosa, Enaé da Silva, Porto, Portugal. Pumping apparatus for deep wells. 2,480,969, Sept. 6.
Rosenberg, Philip, assignor to Universal Steel Equipment Corporation, New York, N. Y. Joint bar for sectional tables. 2,481,350, Sept. 6.
Rosenfield, George, Elizabeth, N. J. Garment. 2,481,351, Sept. 6.
Ross, Elliott P., Forest Hills, N. Y., assignor to The Sperry Corporation. Rate generating mechanism. 2,481,039, Sept. 6.
Rothwell, John J., and P. Schell, Elkhart, assignors to Penn Electric Switch Co., Goshen, Ind. Primary control for burners. 2,481,040, Sept. 6.
Rousseau, Johannes J., assignor of one-half to C. F. van Heerden, Capetown, South Africa. Automatic door bolt. 2,481,154, Sept. 6.
Rowe, Leonard R.: *See*—
Lewis, Richard W., and Rowe.
Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Phthalein-aldehyde ion-exchange resins and preparing same. 2,480,970, Sept. 6.
Ruppert, Myrtle L., assignee: *See*—
Bennett, Grady H.
Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Movable belt conveyer. 2,481,244, Sept. 6.
Rust, Frederick F., J. H. Raley, and W. E. Vaughan, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sensitization of hydrogen bromide catalyzed oxidation reactions. 2,480,971, Sept. 6.
Sabatella, Vincent, New York, N. Y. Egg beater. 2,481,352, Sept. 6.
Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Brake means for textile mill spindles. 2,481,043, Sept. 6.
Sam, Sam W.: *See*—
Pawlansky, Sam.
Sandoz Limited, assignee: *See*—
Von Allmen, Samuel, and Eggenberger.
Sanford, Roy S., Woodbury, and W. J. Andres, Waterbury, assignors to The Antoyre Company, Incorporated, Oakville, Conn. Cartridge belt link. 2,480,972, Sept. 6.
Scaparo, Joseph A., Brooklyn, N. Y. Nutcracker with adjustable spacer cam. 2,481,447, Sept. 6.
Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous compositions. 2,481,155, Sept. 6.
Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Reaction products of a polyhydric alcohol and a trissine derivative and methods of preparing the same. 2,481,156, Sept. 6.
Scharmann, Walter G., Westfield, and K. J. Nelson, Elizabeth, N. J., assignors to Standard Oil Development Company. Temperature control for highly exothermic reactions. 2,481,245, Sept. 6.
Schell, Paul: *See*—
Rothwell, John J., and Schell.
Schiller, Elda M., Emmett, Idaho. Ringlet curler. 2,481,448, Sept. 6.
Schlatter, Eugene J., Washington, D. C. Device for use in constructing maps from aerial photographs. 2,481,246, Sept. 6.
Schleif, Ferber R., Coulee Dam, Wash. Apparatus for adjusting capacitor potential devices. 2,480,881, Sept. 6.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of halohydrocarbons. 2,481,157, Sept. 6.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polyhalo-alkanes. 2,481,158, Sept. 6.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polychloro-hydrocarbons. 2,481,159, Sept. 6.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of halocycloalkanes. 2,481,160, Sept. 6.
Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Vat dyestuff derived from aminodibenzanthrone. 2,481,449, Sept. 6.
Schmidt, William E., and J. A. Ritsler, assignor to The Warren Featherbone Co., Three Oaks, Mich. Producing a waterproof seam for polyvinyl resinous coated fabrics. 2,480,882, Sept. 6.
Schnabel, Lewis W., Kansas City, Kans. Manufacturing vitamin concentrates. 2,481,353, Sept. 6.
Schneider, Paul L., H. J. Cromwell, and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,481,248, Sept. 6.
Schneider, Paul L., and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter drive. 2,481,249, Sept. 6.
Schneider, Paul L., and D. W. Nighbert, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,481,250, Sept. 6.

Schott, Lionel, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visual representation of complex waves. 2,481,247, Sept. 6.

Schramm, Frederic B., Cleveland, Ohio. Control system. 2,480,883, Sept. 6.

Schreiber, John H., St. Louis, Mo. Joint breaker and cathead. 2,481,161, Sept. 6.

Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Automatic volume control and sync separator for television receivers. 2,481,045, Sept. 6.

Schroeder, John A.: *See*—
Juel, Harry N., Schroeder, and Lewis.

Schuler, Reginald G., Crystal Lake, assignor to Teletype Corporation, Chicago, Ill. Bias indicator. 2,481,354, Sept. 6.

Schwartz, Frederick, M. R. Lewis, and H. R. Feldman, Chicago, Ill., assignors to Foster & Davies, Inc., Cleveland, Ohio. Lamp construction. 2,481,356, Sept. 6.

Schwartz, Shepard, Nashville, assignor to May Hosiery Mills, Davidson County, Tenn. Point illuminating and magnifying attachment for looping machines. 2,481,450, Sept. 6.

Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Shutter and diaphragm mechanism for cameras. 2,480,973, Sept. 6.

Scott, Carl, assignor of one-half to H. E. Menchimer, Denver, Colo. Loading apparatus. 2,480,884, Sept. 6.

Scott, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of 1,3-dienes in the presence of benzylic iodides. 2,481,044, Sept. 6.

Scurlock, James C., assignor to Western Engineering Associates, Los Angeles, Calif. Panel structure. 2,481,046, Sept. 6.

Sedlock, Robert P., San Diego, Calif. Work holding device. 2,480,885, Sept. 6.

Seely, Llewellyn M., Cheltenham Township, Montgomery County, Pa. Cheese cutting machine. 2,481,162, Sept. 6.

Segesemann, Ernest, Wood-Ridge, N. J., and N. M. Molnar, New York, N. Y. Tall oil treatment. 2,481,356, Sept. 6.

Selby, John: *See*—
Van Denberg, Thomas F., and Selby.

Sermattei, John P.: *See*—
Murphy, Clyde G., and Sermattei.

Serniuk, George E.: *See*—
Swaney, Miller W., and Serniuk.

Setzler, Paul H., Hamilton, Ohio. Semiautomatic welder. 2,481,163, Sept. 6.

Severin, Alverd W., Sheboygan Falls, and M. H. Feldmann, Plymouth, Wis. Manure loader. 2,481,251, Sept. 6.

Seymour, George W., and D. Y. Miller, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus and method for producing high-tenacity yarns. 2,480,974, Sept. 6.

Shafer, George W., Jamison, assignor to L. A. Fetzer, Hartsville, Pa. Floral accessory assembling machine. 2,481,451, Sept. 6.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Castner, Robert C., and Peters.
Dunn, Clarence L., Souders, and Groot.
Engel, Willem F.
Garner, Philip J., and Croft-White.
Morris, Rupert C., and Van Winkle.
Penfield, Charles S.
Rust, Frederick F., Raley, and Vaughan.
Van den Berge, Jacob.
Von Fuchs, George H., and Pilz.
Whetstone, Richard R.

Sherman, Ralph A., and B. A. Landry, Columbus, Ohio. Cross-draft magazine heater for burning solid fuel. 2,481,164, Sept. 6.

Sherwood Brass Works, assignee: *See*—
Sherwood, David.

Sherwood, David, assignor to Sherwood Brass Works, Detroit, Mich. Pump mounting. 2,481,452, Sept. 6.

Siever, Paul, assignor to Tire-Larm Co., Minneapolis, Minn. Tire deflation indicator. 2,481,166, Sept. 6.

Siever, Paul, Minneapolis, Minn. Throttle control device. 2,481,167, Sept. 6.

Simonson, Simon M.: *See*—
Iverson, Isedor, and Simonson.

Skrumbelios, Konstantine G., Wayne, Mich. Sign hoisting device. 2,481,252, Sept. 6.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mountings for fluid pumps. 2,481,047, Sept. 6.

Smith, Eugene F.: *See*—
Remke, Theodore K., and Smith.

Smith, George S.: *See*—
McCoy, Paul E., and Smith.

Smith, John J., assignor to Muneller Co., Decatur, Ill. Sealing ring for pipe couplings. 2,481,481, Sept. 6.

Smith, Paul L., and L. E. Williams, Jr., Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Seal. 2,481,357, Sept. 6.

Smith, Richard A., Cornwall-on-Hudson, assignor to The Kentlee Company, Inc., New York, N. Y. Valved bubble tube. 2,481,358, Sept. 6.

Smith & Richardson Manufacturing Company, assignee: *See*—
Richardson, Arthur T., and Smith.

Smith, Robert A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for preparing fiber products. 2,481,048, Sept. 6.

Smith, Warren A.: *See*—
Richardson, Arthur T., and Smith.

Smyser, Willis M., and S. C. Rheberg, Washington, D. C. Key container. 2,481,359, Sept. 6.

Snyder, Joseph A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removing contaminants from cracking catalysts. 2,481,253, Sept. 6.

Societe Industrielle Generale de Mecanique Applique (S. I. G. M. A.), assignee: *See*—
Müller, Géza W.

Societe Rhodiaceta, assignee: *See*—
Corbière, Paul C. E. J., and Stuchlik.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brooks, John W.
Brooks, John W., and Lukasiewicz.

Soper, Donald C., Los Angeles, Calif. Fire extinguisher for motion-picture projectors. 2,481,168, Sept. 6.

Souders, Mott, Jr.: *See*—
Dunn, Clarence L., Souders, and Groot.

Sourwine, William A., and H. I. Pierce, Seattle, Wash. Electric self-indicating indexing and switching system. 2,481,169, Sept. 6.

Spalding, & Bros., A. G., Inc., assignee: *See*—
Brown, William T.

Spangler, Earl D., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Charge support for the bases of cover-type annealing furnaces. 2,481,170, Sept. 6.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,481,171, Sept. 6.

Sprenger, George W., Lynn, Mass., assignor to General Electric Company. Intermittent motion magnetic drive. 2,481,360, Sept. 6.

Sperry Corporation, The, assignee: *See*—
Farnsworth, Nell B.
Ross, Elliott P.

Sprules, Francis J.: *See*—
Price, Donald, and Sprules.

Squibb, E. R., & Sons, assignee: *See*—
Wintersteiner, Oskar, MacPhillamy, and Menzel.

Stadelhofer, Richard S., Madison, Wis. Fishing float. 2,481,453, Sept. 6.

Staggs, Jesse D., Burbank, Calif. Magnetically driven fluid-handling device. 2,481,172, Sept. 6.

Stamm, Alfred J., and H. D. Turner, Madison, Wis., dedicated to the free use of the people in the territory of the United States. Apparatus for corrugating sheet material. 2,481,049, Sept. 6.

Stancal Asphalt & Bitumuls Company, assignee: *See*—
McCoy, Paul E.
McCoy, Paul E., and Smith.
Watts, Vilas E., and Thompson.

Standard Oil Company, The, assignee: *See*—
Musselman, John M.

Standard Oil Development Company, assignee: *See*—
Fuqua, Mack C.
Hemminger, Charles E.
Krebs, Robert W.
Ogorzaly, Henry J.
Pierce, Jerry A., and Richardson.
Scharmann, Walter G., and Nelson.
Snyder, Joseph A.
Stone, Albert L.
Swaney, Miller W., and Serniuk.
Watson, C. Newbold.
Young, David W.

Stanton, Robert J.: *See*—
Gagliardi, Nicholas G., Finger, and Stanton.

Starnes, George E., Fort Mill, S. C. Foot and leg rest. 2,481,050, Sept. 6.

Staudinger, Hanns P.: *See*—
Cleverdon, Desmond, and Staudinger.

Steele, Frederick I., Columbus, Ohio, and Q. P. Thompson, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Arresting and access means. 2,481,454, Sept. 6.

Steffens, Herman H., Corder, Mo. Automatic hog oiler. 2,481,361, Sept. 6.

Stein, Theodore W., Butte, Mont. Reticule for firearm telescopes. 2,481,254, Sept. 6.

Stenger, Vernon A., assignor to The Dow Chemical Company, Midland, Mich. Cesium bromide separation. 2,481,455, Sept. 6.

Stenwall, Robert, Newaygo, assignor to Muskegon Piston Ring Company, Muskegon, Mich. Ring grinding fixture. 2,481,173, Sept. 6.

Stephens, Robert S., Decatur, Ill. Rail anchor. 2,480,975, Sept. 6.

Stever, William, assignor to The Budd Company, Philadelphia, Pa. Abrasive disk support. 2,480,886, Sept. 6.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Index device for rotating bodies. 2,481,255, Sept. 6.

Strader, Leroy F., Long Beach, Calif., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Apparatus for catalyst regeneration. 2,480,887, Sept. 6.

Straton, Warren B., Brooklyn, N. Y. Tailpiece for violins, etc. 2,481,362, Sept. 6.

Strawn, Orval R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Variable unbalanced weight mechanism for mechanical vibrating screens and the like. 2,481,174, Sept. 6.

Strock, William A., Ukiah, Calif. Spray fluid rotated sprinkler 2,481,363, Sept. 6.

Strong, Basil P., assignor to Atwater-Strong Company, Atwater, Ohio. Grass cutting machine. 2,481,364, Sept. 6.

Stuart, Charles J., Winchester, assignor to Wellman Company, Medford, Mass. Shaft coupling. 2,480,976, Sept. 6.

Stuchlik, René E. F.: *See*—
Corbiere, Paul C. E. J., and Stuchlik.

Studebaker Corporation, The, assignee: *See*—
Greenlee, Harry R.

Stumpf, Michael J., assignor, by mesne assignments, to National Metal Edge Box Company, Philadelphia, Pa. Box staying machine. 2,480,888, Sept. 6.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,481,365, Sept. 6.

Suda, John S.: *See*—
Bowden, James J., and Suda.

Süll, Luis, Buenos Aires, Argentina. Rotary cigarette dispenser. 2,480,977, Sept. 6.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Caille, Charles.

Sunstein, David E., Cynwyd, assignor to Philco Corporation, Philadelphia, Pa. Cathode-ray tube signal comparator. 2,480,978, Sept. 6.

Sun-Vic Controls Limited, assignee: *See*—
Davis, Neville R.

Sutton, Charles E., ancillary administrator: *See*—
Sutton, Charles G.

Sutton, Charles G., Dayton, Ohio; C. E. Sutton, ancillary administrator of said C. G. Sutton, deceased, assignor to G. I. Sutton, Los Angeles, Calif. Balance testing device. 2,481,256, Sept. 6.

Sutton, Gwen I., assignee: *See*—
Sutton, Charles G.

Swaney, Miller W., Cranford, and G. E. Serniuk, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,481,257, Sept. 6.

Swanson, Oscar W., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Shiftable type head mechanism for typewriting machines. 2,480,979, Sept. 6.

Swartley, Robert, Willow Grove, Pa. Device for tapping beer barrels. 2,481,258, Sept. 6.

Swift & Company, assignee: *See*—
Bloom, Oscar T., and Wanty.

Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic barker. 2,480,889, Sept. 6.

Tamburro, Francis P., Ozone Park, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Presser foot. 2,481,175, Sept. 6.

Taylor, Charles C.: *See*—
Taylor, Frank Y. and C. C.

Taylor, Frank Y., Deadwood, and C. C. Taylor, Huron, S. Dak. Safety switch arrangement for vehicles. 2,481,176, Sept. 6.

Taylor Instrument Companies, assignee: *See*—
Hutchinson, Franklin B., Miller, and Thompson.
Newell, Floyd B., and Matner.

Taylor, William H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Automatic choke for carburetors. 2,481,259, Sept. 6.

Teegarden, Otto V., Goshen, Ind. Tire stand accessory. 2,481,041, Sept. 6.

Telefonaktiebolaget L. M. Ericsson, assignee: *See*—
Andersson, Albert E.

Teletype Corporation, assignee: *See*—
Schuler, Reginald G.

Ter Berg, Jozef, and G. J. van Wijnen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Preparing a plasticized granular slag-forming mass for electric welding. 2,481,479, Sept. 6.

Terhaar, Ferdinand H., Los Angeles, Calif. Respirator apparatus. 2,480,980, Sept. 6.

Texaco Development Corporation, assignee: *See*—
Uren, Lester C.

Texas Company, The, assignee: *See*—
Herzog, Gerhard.
Morris, John R., and Fields.

Thierfelder, Emil F., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,480,981, Sept. 6.

Thimann, Kenneth V., Cambridge, Mass., assignor to the United States of America, as represented by the Secretary of the Navy. Green camouflage paint. 2,481,366, Sept. 6.

Thompson, Arnold, Westwood, N. J. Necktie. 2,481,367, Sept. 6.

Thompson, Lyndon G.: *See*—
Watts, Vilas E., and Thompson.

Thompson, Quentin P.: *See*—
Steele, Frederick I., and Thompson.

Thompson, Robert D.: *See*—
Hutchinson, Franklin B., Miller, and Thompson.

Thurber, Adolph E., Jr., Brooklyn, N. Y. Elevator leveling device. 2,481,260, Sept. 6.

Thurman, Peter J., and J. Downing, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Production of chlorinated aliphatic compounds. 2,480,982, Sept. 6.

Tidewater Equipment Co., assignee: *See*—
Whittle, Charles E.

Tiffany, Raymond E., and F. J. Krajcik, Bridgeport, Conn., assignors to General Electric Company. Starting switch for fluorescent lamps. 2,481,368, Sept. 6.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R.

Timken Roller Bearing Company, The, assignee: *See*—
Edwards, Herbert C.

Tire-Larm Co., assignee: *See*—
Siever, Paul.

Titan Valve and Manufacturing Company, The, assignee: *See*—
Van Denberg, Thomas F., and Selby.

Toffemire, Benjamin F., Lafayette, Calif. Intraoral fracture reduction appliance. 2,481,177, Sept. 6.

Tomasek, Herbert F., St. Louis, Mo., and L. T. Ward, East Orange, N. J., assignors, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Apparatus for charging and sealing metallic bulbs. 2,481,042, Sept. 6.

Trane Company, The, assignee: *See*—
Ringquist, Clarence L., and Miner.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher with displaceable shaft for relieving excessive crushing strains. 2,481,261, Sept. 6.

Tribble, William H., East Moriches, assignor to Faximile, Inc., New York, N. Y. Raised helix for facsimile apparatus. 2,480,890, Sept. 6.

Trompeter, David, Sandy Hook, Conn. Valve for dispensers. 2,481,262, Sept. 6.

Tsuchiya, Henry M., and J. M. Van Lenen, Peoria, Ill., and A. F. Langlykke, New Brunswick, N. J., assignors to The United States of America as represented by the Secretary of Agriculture. Fermentation process. 2,481,263, Sept. 6.

Tucker, Harry W., Long Branch, N. J. Automobile pocket. 2,481,178, Sept. 6.

Tulowiecki, William G., Buffalo, N. Y. Combined carrying case and stand therefor. 2,481,264, Sept. 6.

Turini, John A., Cranston, R. I. Making buckles. 2,481,179, Sept. 6.

Turini, John A., Cranston, R. I. Buckle assembly machine. 2,481,180, Sept. 6.

Turnbull, Frederick M., assignee: *See*—
Hamilton, William F.

Turner, Charles H., Yeadon, England. Cloth or piece feeding device for textile and other machinery. 2,481,369, Sept. 6.

Turner, Harold D.: *See*—
Stamm, Alfred J., and Turner.

Tyzzer, Howard J., Mountain Lakes, assignor to Ferris Instrument Laboratories, Boonton, N. J. Electrical alternating currents amplifier. 2,481,456, Sept. 6.

Udylite Corporation, The, assignee: *See*—
Davis, John V.

Underwood Corporation, assignee: *See*—
Swanson, Oscar W.

Unger, Paul O., Elmhurst, assignor to Autopoint Company, Chicago, Ill. Hygroscopic coil for humidity indicators. 2,480,983, Sept. 6.

United Aircraft Corporation, assignee: *See*—
Anderson, Oscar L.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Blanchard, Benjamin B.
Clarke, Thomas B., and Rivington.
Holmgren, Eric A.
Prue, Walter W.

United States Atomic Energy, United States of America as represented by the, assignee: *See*—
Madorsky, Samuel L.

United States Rubber Company, assignee: *See*—
Hurdis, Everett C.
Prill, Erhard J.

United States Sheetwood Company, assignee: *See*—
Goss, Worth C.

Universal Oil Products Company, assignee: *See*—
Schmerling, Louis.

Universal Steel Equipment Corporation, assignee: *See*—
Rosenberg, Philip.

Universal Winding Company, assignee: *See*—
Winslow, Albert E.

Uren, Lester C., Berkeley, Calif., assignor to Texaco Development Corporation, New York, N. Y. Process and apparatus for the recovery of volatilizable constituents from underground carbonaceous formations. 2,481,051, Sept. 6.

Utah Scientific Research Foundation, assignee: *See*—
Hardman, James A.

Van Denberg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Safety valve mechanism. 2,481,265, Sept. 6.

Van den Berge, Jacob, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Bitumen coated surface and making. 2,481,370, Sept. 6.
Van Dyke, William D., Lawndale, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. High-temperature strain gauge and making same. 2,481,371, Sept. 6.
Van Heerden, Christoffel F., assignee: *See*—
Rousseau, Johannes J.
Van Lsum, Hans, Heaton, Bradford, assignor to Fabric Development Company Limited, Bradford, Yorkshire, England. Manufacture of pile fabrics. 2,480,984, Sept. 6.
Van Lanen, James M.: *See*—
Tsuchiya, Henry M., Van Lanen, and Langlykke.
Van Wijnen, Gijsbert J.: *See*—
Ter Berg, Josef, and van Wijnen.
Van Winkle, Delbert, Pittsburgh, Pa. Attachment for dial indicators. 2,480,891, Sept. 6.
Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Morris, Rupert C., and Van Winkle.
Vana, Charles A., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Galvanizing flux compositions and processes. 2,481,457, Sept. 6.
Varney, Gordon, assignee: *See*—
Lindsay, James R.
Vaughan, William E.: *See*—
Rust, Frederick F., Raley, and Vaughan.
Vibro-Plus Corporation, assignee: *See*—
Adolph, Friedrich.
Vickers-Armstrongs Limited, assignee: *See*—
Kirby, Wilfred.
Von Allmen, Samuel, and H. Eggenberger, assignors to Sandoz Limited, Basel, Switzerland. Acid dyestuffs of the anthraquinone series and making same. 2,480,983, Sept. 6.
Von Fuchs, George H., Wood River, and G. P. Pils, Alton, Ill., assignors to Shell Development Company, San Francisco, Calif. Rust protective lubricants. 2,481,372, Sept. 6.
Wagner, Gustave H.: *See*—
Wagner, Harold A. and G. H.
Wagner, Harold A. and G. H., Portland, Oreg. Bucket carriage for hoisting towers. 2,481,266, Sept. 6.
Waldorf Paper Products Company, assignee: *See*—
Dunning, Robert M.
Walker, Nelson, Flint, assignor to General Motors Corporation, Detroit, Mich. Thermostatic radiator valve. 2,480,986, Sept. 6.
Wallace, Charles E.: *See*—
Bubb, John B., and Wallace.
Wallach, Robert S.: *See*—
Bloomfield, Samuel, and Wallach.
Wallin, Gus W., Chicago, Ill., assignor to Motorola, Inc. Signal-amplifier stage. 2,480,987, Sept. 6.
Walter, Laurence, Albany, Calif. Electrical connector apparatus. 2,481,181, Sept. 6.
Waltl, Alphonse, Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Lower aliphatic carboxylic acid salts of streptotharicin and streptomycin. 2,481,267, Sept. 6.
Walton, Albert E., Detroit, Mich. Window sash lock. 2,480,988, Sept. 6.
Wanty, Ruth C.: *See*—
Bloom, Oscar T., and Wanty.
War, Lawrance T.: *See*—
Tomasek, Herbert F., and Ward.
War, the United States of America as represented by the Secretary of, assignee: *See*—
Africano, Alfred.
Daniel, Arthur F.
Moore, James R.
Warren Featherbone Co., The, assignee: *See*—
Schmidt, William E., and Ritzler.
Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Polymerization of organosiloxanes. 2,481,052, Sept. 6.
Washburn, Kathryn, Bethesda, Md., now by marriage Kathryn Ewert. Brassière. 2,481,373, Sept. 6.
Wassermann, Rene, New York, N. Y. Welding or brazing flux composition. 2,481,053, Sept. 6.
Waters, Cecil, Manhattan, Mont. Hog scraper. 2,481,182, Sept. 6.
Watson, C. Newbold, Wynnewood, Pa., assignor to Standard Oil Development Company. Crankcase conditioning oil. 2,481,268, Sept. 6.
Watts, Vilas E., Los Altos, and L. G. Thompson, Oakland, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Bituminous emulsion. 2,481,374, Sept. 6.
Wayman, Morris: *See*—
Rapson, William H., and Wayman.
Weaver, Thomas J., Cream, Utah. Pivotally adjustable spray nozzle deflector. 2,480,989, Sept. 6.
Webb, Ernest C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Ash handling system. 2,481,375, Sept. 6.
Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.
Wehming, Henry, assignee: *See*—
Gullong, Jacob.
Welby, Henry E., assignor to Detroit Lubricator Company, Detroit, Mich. Pump priming means. 2,481,183, Sept. 6.
Welch, Thomas R., Los Angeles, Calif. Control system for electric signs. 2,481,269, Sept. 6.
Welin-Berger, Axel E., Halmstad, Sweden. Coupling for pipe conduits. 2,481,376, Sept. 6.
Wellman Company, assignee: *See*—
Stuart, Charles J.
Wendel, Rudolf, Roslyn Heights, N. Y. Light projector. 2,481,054, Sept. 6.
Wennerbo, Erik, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Intermission device for automatic phonographs. 2,481,270, Sept. 6.
Wertz, Hugh S., New Hyde Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray device. 2,481,458, Sept. 6.
Western Electric Company, Incorporated, assignee: *See*—
Hodgdon, Frank B.
Western Engineering Associates, assignee: *See*—
Scurlock, James C.
Western Railway Equipment Company, assignee: *See*—
Pietzsch, Frank H.
Westfahl, Jerome C., Trumansburg, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 2-carboalkoxy-1,3-butadiene dimers by pyrolysis of Δ'-carboalkoxy cyclohexenes. 2,480,892, Sept. 6.
Westinghouse Electric Corporation, assignee: *See*—
Burgwin, Stephen L., and Bailey.
Koch, Gustav H.
Palmer, Robert T.
Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of cyclopentane carboxyaldehydes and derivatives thereof. 2,480,990, Sept. 6.
Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Heterocyclic-substituted carbinols. 2,481,377, Sept. 6.
Whitaker, Randall J., Newport, R. I. Flexible strip jar cap wrench. 2,481,055, Sept. 6.
White, Jones C., Swampscott, Mass. Dental kit. 2,481,056, Sept. 6.
Whitney, Guy H., Bangor, Maine. Door locking mechanism. 2,481,459, Sept. 6.
Whittle, Charles E., assignor to Tidewater Equipment Co., Brunswick, Ga. Hand-guided power-driven two-wheeled portable saw. 2,480,893, Sept. 6.
Wiggins, John H., Chicago, Ill. Liquid-sealed lifter roof for liquid storage apparatus. 2,481,184, Sept. 6.
Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Tamburro, Francis P.
Willey, Matthew K., Middlefield, Conn. Holding device for voice receivers. 2,481,271, Sept. 6.
Williams, Eugene D., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,481,460, Sept. 6.
Williams, Lewis E., Jr.: *See*—
Smith, Paul L., and Williams, Jr.
Williams, Ray M., Mexico, Mo. Fishing pole holder. 2,481,272, Sept. 6.
Wilson, J. G., Corporation, The, assignee: *See*—
Pringle, Edward S.
Winslow, Albert E., Greenville, S. C., assignor to Universal Winding Company. Feed roll unit for textile machines. 2,481,185, Sept. 6.
Winterstein, Oskar, New Brunswick, and H. B. MacPhillamy, Princeton, N. J., and A. E. O. Menzel, Grandview on Hudson, assignors to E. R. Squibb & Sons, New York, N. Y. Producing penicillin preparations. 2,480,991, Sept. 6.
Wisconsin Alumni Research Foundation, assignee: *See*—
Grindrod, George E.
Wolfe, Lester: *See*—
Friedman, Herbert, and Wolfe.
Wolfrum, Harold P., Defiance, Ohio. Ball-and-socket implement coupler. 2,481,461, Sept. 6.
Wolfset, Murray, Brooklyn, N. Y. Extinguishing ash tray. 2,481,378, Sept. 6.
Woodington, George L.: *See*—
Hirst, Charles D., and Woodington.
Woodington, Vera J., assignee: *See*—
Hirst, Charles D., and Woodington.
Woodland, Percy T., Swalwell, Alberta, Canada. Harvester for sugar cane or the like. 2,481,462, Sept. 6.
Woodruff, William N.: *See*—
Herschede, Walter J., Foy, and Woodruff.
Woodside, Vernon: *See*—
Fuller, Robert R., and Woodside.
Woodward, David W.: *See*—
McQueen, David M., and Woodward.
Woodward, Eric R., New York, and I. Malmstrom, Brooklyn, N. Y., assignors to Mathieson Chemical Corporation. Bleaching wool grease. 2,481,463, Sept. 6.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Fuller, Paul M.
Zuck, Victor I.

Wyatt, DeWitt H.: *See*—
Bole, George A., and Wyatt.
Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Isoolefin polymerization catalyzed by Friedel-Crafts double salts. 2,481,273, Sept. 6.
Young, Nicholas A., and P. Brehm, assignors to American Machine Works, Racine, Wis. Box stitching machine. 2,481,057, Sept. 6.
Zarlengo, Dominic A., Denver, Colo. Mathematical game. 2,481,058, Sept. 6.
Zimmerman, Charles H., Nichols, Conn. Aircraft having extensible landing gear positionable for horisontal and vertical take-off. 2,481,379, Sept. 6.
Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ cabinet. 2,481,186, Sept. 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cooler for viscous liquids. S. K. Andersen. Re. 23,144, Sept. 6.

Two-stage synthesis of hydrocarbons. F. T. Barr and W. G. Scharmann. Re. 23,145, Sept. 6.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. Prushek. 871, Sept. 6.

Hybrid tea rose plant. C. A. Chase. 870, Sept. 6.

LIST OF DESIGN INVENTIONS

Antenna, Radio. W. L. Leonard. 155,093, Sept. 6.
Antenna, Television. V. Trebules. 155,113, Sept. 6.
Ash tray. S. K. Frank. 155,083, Sept. 6.
Belt and writing implement, Combined apparel. A. Rothchild. 155,107, Sept. 6.
Bottle, Glass. R. M. Broadhead. 155,073, Sept. 6.
Brooch or the like. M. Daudier. 155,075–6, Sept. 6.
Calendar and memorandum pad unit, Combination desk. H. G. Davis. 155,077, Sept. 6.
Carton, Egg. J. W. Lennon. 155,092, Sept. 6.
Chair, Upholstered. E. Eck. 155,081, Sept. 6.
Chime. G. L. Bossard. 155,072, Sept. 6.
Container for ice cream or candy. O. Peist. 155,103, Sept. 6.
Decorative device, Illuminable. N. T. Borrok. 155,066–71, Sept. 6.
Dial for a sadiron or similar article, Control. H. Dreyfuss. 155,080, Sept. 6.
Dish, Soap. M. P. Kiehl. 155,090–1, Sept. 6.
Doll. J. Prendiville. 155,104–5, Sept. 6.
Fixture, Lighting. F. C. Baker. 155,063–4, Sept. 6.
Flashlight. G. P. Lewis. 155,094, Sept. 6.
Frame for clocks or similar articles. W. F. Day. 155,078, Sept. 6.
Handbag with umbrella compartment. C. Feigl. 155,082, Sept. 6.
Holder for toothbrushes. P. A. Sodini. 155,110, Sept. 6.
Holder, Toothbrush. P. A. Sodini. 155,111, Sept. 6.
Instrument, Pedicure. L. C. Rucker. 155,108, Sept. 6.
Lamp, Table. C. McClellan. 155,098, Sept. 6.
Light for automobiles, Rear. J. A. Stark. 155,112, Sept. 6.
Machine for shaping shoulder pads or the like. B. Mechur and W. Reidler. 155,099, Sept. 6.
Mirror, Folding knee. P. D. MacWilliams. 155,095–6, Sept. 6.
Mixer. C. Karstadt. 155,089, Sept. 6.
Opener, Transparent display letter. R. E. Gordenier. 155,087, Sept. 6.
Pack, Fruit. P. M. Williams. 155,114, Sept. 6.
Packer, Fruit. E. L. Shepard. 155,109, Sept. 6.
Plate or similar article, Buffing wheel. S. Goldberg. 155,085, Sept. 6.
Plate, Switch. J. S. Johnson. 155,088, Sept. 6.
Rack, Tie. H. L. Millward, Sr. 155,100, Sept. 6.
Seat, Child's toilet. G. A. Muller. 155,101, Sept. 6.
Shaping device, Shoe. F. De Vito. 155,079, Sept. 6.
Shower head. J. P. Magos and C. Bolling. 155,097, Sept. 6.
Strap for holding riding spurs to a boot. R. W. Nelson. 155,102, Sept. 6.
Tire. R. T. Bete. 155,065, Sept. 6.
Toy animal figure. C. Woods. 155,115, Sept. 6.
Toy baby-weighing scale. A. E. Rdgovin. 155,106, Sept. 6.
Toy fowl. A. Goldfarb. 155,086, Sept. 6.
Tray, Hostess. M. L. Gay and A. M. Russell. 155,084, Sept. 6.
Wallet and cigarette case, Combination. H. Chase. 155,074, Sept. 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive disk support. W. Stever. 2,480,886, Sept. 6.
Accessory, Tire stand. O. V. Teegarden. 2,481,041, Sept. 6.
Acid dyestuffs of the anthraquinone series and making same. S. von Allmen and H. Eggenberger. 2,480,985, Sept. 6.
Actuator, Screw and nut. R. G. Le Tourneau. 2,481,129, Sept. 6.
Actuator, Screw and nut bed. W. E. Peery. 2,481,477, Sept. 6.
Adapter. L. G. Lawrence. 2,481,027, Sept. 6.
Adhesive composition. A. L. Fox. 2,481,100, Sept. 6.
Adjustable roll mounting. D. L. Mercer. 2,481,138, Sept. 6.
Adjuster for windshield wipers, Tension. N. Borsuk. 2,481,192, Sept. 6.
Adjusting mechanism between brake shaft and lever. K. B. MacDougall. 2,481,319, Sept. 6.
Air conditioning and heating means. A. C. Peterson. 2,481,149, Sept. 6.
Air-conditioning apparatus with defrosting means. C. L. Ringquist and R. G. Miner. 2,481,348, Sept. 6.
Aircraft having extensible landing gear positionable for horizontal and vertical take-off. C. H. Zimmerman. 2,481,379, Sept. 6.
Aircraft instrument. H. B. Maris. 2,480,867, Sept. 6.
Alimentary paste producing apparatus, Automatic. C. Ambrette. 2,481,275, Sept. 6.
Aliphatic carboxylic acid salts of streptothricin and streptomycin, Lower. A. Waiti. 2,481,267, Sept. 6.
Aliphatic ethers, Production of. L. N. Leum, S. J. Macuga, and S. I. Kreps. 2,480,940, Sept. 6.
Alpha, beta-dimethylene-succinonitrile, Making. E. J. Prill. 2,480,961, Sept. 6.
Alpha-halogenated keto fatty compounds. D. Price and F. J. Sprules. 2,481,036, Sept. 6.
Amplifier, Electrical alternating currents. H. J. Tyzzer. 2,481,456, Sept. 6.
Apparatus and method for producing high-tenacity yarns. G. W. Seymour and D. Y. Miller. 2,480,974, Sept. 6.
Apparatus drive, Slub yarn. J. G. Kershaw. 2,480,936, Sept. 6.
Apparatus for adjusting capacitor potential devices. F. R. Schleif. 2,480,881, Sept. 6.
Apparatus for automatically controlling traffic. C. V. Laws. 2,481,126, Sept. 6.
Apparatus for bending a curled metal edge around a reinforcing wire. E. M. Hunt. 2,480,860, Sept. 6.
Apparatus for casting massive bullion blocks. F. A. Bond. 2,480,899, Sept. 6.
Apparatus for catalyst regeneration. L. F. Strader. 2,480,887, Sept. 6.
Apparatus for charging and sealing metallic bulbs. H. F. Tomasek and L. T. Ward. 2,481,042, Sept. 6.
Apparatus for corrugating sheet material. A. J. Stamm and H. D. Turner. 2,481,049, Sept. 6.
Apparatus for determining right characteristics of clouds by reflection. J. Neufeld. 2,481,034, Sept. 6.
Apparatus for drying bagasse. C. W. Fuller. 2,481,305, Sept. 6.
Apparatus for grinding cultivator disks. A. J. Harty. 2,481,215, Sept. 6.
Apparatus for making cast bodies with inserted coils. A. T. Richardson and W. A. Smith. 2,480,966, Sept. 6.
Apparatus for preparing fiber products. R. A. Smith. 2,481,048, Sept. 6.
Apparatus for working sheet metal. F. Anderson. 2,480,826, Sept. 6.
Appliance, Insole-type. C. R. Braasch. 2,480,997, Sept. 6.
Arch-tracing device, Gothic. F. P. Davies and M. Y. Nicole. 2,481,203, Sept. 6.
Aromatic coffee extract, Preparation of. H. Cohen. 2,481,470, Sept. 6.
Arresting and access means. F. I. Steele and Q. P. Thompson. 2,481,454, Sept. 6.
Ash tray, Extinguishing. M. Wolfset. 2,481,378, Sept. 6.
Assembling machine, Floral accessory. G. W. Shafer. 2,481,451, Sept. 6.
Attachment for dial indicators. D. Van Winkle. 2,480,891, Sept. 6.
Attachment for French seam sewing machines, Presser foot. H. L. Bouwkamp and R. E. Kemp. 2,481,286, Sept. 6.
Attachment for looping machines, Point illuminating and magnifying. S. Schwartz. 2,481,450, Sept. 6.
Attachment for printing presses. D. R. Donnell. 2,481,090, Sept. 6.
Auxiliary hot water heater. D. W. Main. 2,481,480, Sept. 6.
Axle, Vehicle drive. L. R. Buckendale. 2,480,836, Sept. 6.
Azeotropic distillation of aqueous isopropanol contaminated by acetone. M. C. Fuqua. 2,481,211, Sept. 6.
Baby toy carriage, Sound producing. G. A. Bocchino. 2,480,996, Sept. 6.
Bag: *See*—
Garment bag.
Baking oven. T. R. Neutelings and W. Neutelings. 2,480,951, Sept. 6.
Ball-and-socket implement coupler. H. P. Wolfrum. 2,481,461, Sept. 6.
Bar for sectional tables, Joint. P. Rosenberg. 2,481,350, Sept. 6.
Battery filling and ventilating system. L. A. Jaworski and J. Clutcher. 2,480,861, Sept. 6.
Bearing with axially aligned bearing means, Compact. V. E. Palumbo. 2,481,146, Sept. 6.
Bedpan pad. C. H. Hunter. 2,481,427, Sept. 6.
Belt conveyer, Movable. S. D. Russell. 2,481,244, Sept. 6.
Belt link, Cartridge. J. J. Murphy. 2,480,950, Sept. 6.
Belt link, Cartridge. R. S. Sanford and W. J. Andrea. 2,480,972, Sept. 6.
Belting machine, Cartridge. A. L. Bureau. 2,480,834, Sept. 6.
Bias indicator. R. G. Schuler. 2,481,354, Sept. 6.
Bicycle brake. R. Milliray. 2,481,327, Sept. 6.
Bitumen coated surface and making. J. van den Berge. 2,481,370, Sept. 6.
Black oxide coated steel sheets, Producing. J. W. Hill. 2,481,424, Sept. 6.
Block: *See*—
Wheel block.
Blower, Heat-exchanging. W. G. Patterson. 2,481,236, Sept. 6.
Boat. A. A. Apel. 2,481,063, Sept. 6.
Boom. A. Crot. 2,481,471, Sept. 6.
Box: *See*—
Railway journal box.
Box lid, Journal. D. D. Bryant. 2,481,076, Sept. 6.
Box or the like, Floor. A. Fishko. 2,481,098, Sept. 6.
Box staying machine. M. J. Stumpf. 2,480,888, Sept. 6.
Brake: *See*—
Bicycle brake. Motor brake.
Hand brake.
Brake arrangement. J. Ledwinka. 2,481,127, Sept. 6.
Brake beam. W. F. Hess. 2,481,064, Sept. 6.
Brake beam and head, Unitary. C. W. Osner. 2,480,953, Sept. 6.
Brake beam, Wedge-lock. W. F. Hess. 2,480,857, Sept. 6.
Brake means for textile mill spindles. C. R. Sacchini. 2,481,043, Sept. 6.
Brake shoe construction. P. R. McEachran. 2,480,947, Sept. 6.
Brassière. K. Washburn. 2,481,373, Sept. 6.
Breathing apparatus. J. H. Emerson. 2,481,299, Sept. 6.
Brush, Rotary. R. O. Peterson. 2,480,877, Sept. 6.
Buckle. A. Neumann. 2,480,874, Sept. 6.
Buckle assembly machine. J. A. Turini. 2,481,180, Sept. 6.
Buckles, Making. J. A. Turini. 2,481,179, Sept. 6.
Bulk demagnetization. M. Camras. 2,481,392, Sept. 6.
Bumpers, Making. J. H. Brazil. 2,481,072, Sept. 6.
Burner: *See*—
Liquid fuel burner.
Burner of the pot type, Liquid fuel. P. Gainey. 2,481,104, Sept. 6.
Cabinet: *See*—
Organ cabinet.
Cable connector. J. R. Frank. 2,481,303, Sept. 6.
Cam operated transversely engaged clutch. G. K. Claire. 2,481,084, Sept. 6.
Camera lens switching device, Television. T. W. Chew. 2,481,082, Sept. 6.
Cap assembly for gas or vapor and liquid contact apparatus, Bubble. L. H. Johnson. 2,480,862, Sept. 6.
Carbazole, Manufacturing. C. Conover. 2,481,292, Sept. 6.
Carburetor. E. E. Hans. 2,480,853, Sept. 6.
Carriage for hoisting towers, Bucket. H. A. Wagner and G. H. Wagner. 2,481,266, Sept. 6.
Carrying case and stand therefor, Combined. W. G. Tulowiecki. 2,481,264, Sept. 6.

Cart with load fastener, hand. S. E. Nielsen. 2,481,145, Sept. 6.
Carton. R. M. Dunning. 2,481,405, Sept. 6.
Case: *See*—
Illuminated case.
Cathode for magnetrons. H. G. Anderson. 2,481,061, Sept. 6.
Cathode-ray device. H. S. Werts. 2,481,458, Sept. 6.
Cell. Alkaline primary. A. F. Daniel. 2,480,839, Sept 6.
Ceramic space heater. G. A. Bole and D. H. Wyatt. 2,481,060, Sept. 6.
Cesium bromide separation. V. A. Stenger. 2,481,455, Sept. 6.
Chair: *See*—
Three-way baby chair.
Chair. F. J. Luketa. 2,481,133, Sept. 6.
Chime construction for steel barrels. E. C. Ingersoll. 2,481,015, Sept. 6.
Chlorinated aliphatic compounds, Production of. P. J. Thurman and J. Downing. 2,480,982, Sept. 6.
Chlorine dioxide, Producing. W. H. Rapson and M. W. Hawkesbury. 2,481,240, Sept. 6.
Chlorine from mixtures containing chlorine dioxide and chlorine, Removing. W. H. Rapson and M. W. Hawkesbury. 2,481,941, Sept. 6.
Chocolate products. N. W. Kempf, and H. H. Hoben. 2,480,935, Sept 6.
Choke for carburetors, Automatic. W. H. Taylor. 2,481,259, Sept. 6.
Chuck, Centrifugal. H. C. Edwards. 2,481,094, Sept. 6.
Chuck for gripping bars. A. Cauchois. 2,481,289, Sept. 6.
Circuit breaker system. E. Kern. 2,481,428, Sept. 6.
Cleaning apparatus, Pipe and sewer. N. M. Redmond, Sr. 2,481,152, Sept. 6.
Clinching anvil for stapling machines. W. Kirby. 2,481,023. Sept. 6.
Closure appliance. S. Bloomfield and R. S. Wallach. 2,481,284, Sept. 6.
Closure. Carton. J. Cage. 2,481,288, Sept. 6.
Closure for vehicle bodies. T. K. Remke and E. F. Smith. 2,480,965, Sept 6.
Closure for washing bowls, sinks, and plumbing fixtures. L. A. Kirschner. 2,481,312, Sept. 6.
Cloth or piece feeding device for textile and other machinery. C. H. Turner. 2,481,369, Sept. 6.
Clutch: *See*—
Cam operated transversely engaged clutch.
Coating composition and applying same. C. G. Murphy and J. P. Sermattei. 2,480,824, Sept. 6.
Coil for humidity indicators, Hygroscopic. P. O. Unger. 2,480,983, Sept. 6.
Coil-polarity indicator. A. J. Bialous. 2,481,282, Sept. 6.
Coil, Shading. J. B. Hardie. 2,481,113, Sept. 6.
Coils, Winding. H. V. Knauf, Jr. 2,481,313, Sept. 6.
Coil-winding machine. H. V. Knauf, Jr. 2,481,314, Sept 6.
Collapsible bath and dressing table. I. Lonstein and J. Glick. 2,481,318, Sept. 6.
Colloidal compounds containing metallic ions in inactive state. G. E. Grindrod. 2,481,413, Sept. 6.
Comb, Barber. B. Di Zazzo. 2,481,403, Sept. 6.
Combination counter, Teletypewriter permutation code signal. F. H. Hanley. 2,481,112, Sept. 6.
Combination lock. J. L. Formo, H. A. Johnson, and R. E. Jacobson. 2,481,099, Sept. 6.
Combination shade and curtain holder. A. A. Ogrydziak. 2,481,284, Sept. 6.
Composite receptacle for flat cells and method of making. R. W. Lewis and L. R. Rowe. 2,480,941, Sept. 6.
Compounds of antianemia metals, Inactivated. G. E. Grindrod. 2,481,412, Sept. 6.
Concentration. C. L. Dunn, M. Souders, Jr., and C. Groot. 2,481,092, Sept. 6.
Connector: *See*—
Cable connector. Electric cable connector.
Connector. C. E. Quinn. 2,480,963, Sept. 6.
Connector and rod assembly, Forked. F. H. Pietzsch. 2,480,958, Sept. 6.
Connector apparatus, Electrical. L. Walter. 2,481,181, Sept. 6.
Construction, Lamp. F. Schwarts, M. R. Lewis, and H. R. Feidman. 2,481,355, Sept. 6.
Contactor. J. B. Bubb and C. E. Wallace. 2,481,194, Sept. 6.
Container: *See*—
Fireproof container. Soap container.
Key container.
Container and cap, Sealed. H. T. Griswold. 2,481,111, Sept. 6.
Container with slide, Transparent display. S. Fogel. 2,481,302, Sept. 6.
Contaminants from cracking catalysts, Removing. J. A. Snyder. 2,481,253. Sept. 6.
Control device, Implement. E. T. Johnson. 2,481,017, Sept. 6.
Control for fuel selector valves, Hydraulic. H. E. Hull. 2,481,426, Sept. 6.
Control safe for vending machines, Merchandise. F. N. James. 2,480,932 Sept. 6.
Control system. F. B. Schramm. 2,480,883, Sept. 6.
Control system, Antenna orientation. W. H. Newbold. 2,481,331, Sept. 6.
Control system for electric signs. T. R. Welch. 2,481,269, Sept. 6.
Control system, Guided missile. C. J. Marshall. 2,480,868, Sept. 6.
Control thermostat, Refrigerator. C. W. Kuhn. 2,480,937, Sept. 6.
Controlling polymerization of polyhydric alcohol esters of alpha-olefinic dicarboxylic acids with ethylenic monomers. E. C. Hurdis. 2,480,928, Sept. 6.
Controlling system with verification of communicated messages, Airway traffic. N. D. Preston and F. B. Hitchcock. 2,481,239, Sept. 6.
Converter, Frequency. M. A. Lissman. 2,481,132, Sept. 6.
Cooling system, Vehicle. S. E. Maness, Jr. and S. E. Maness, Sr. 2,481,135, Sept. 6.
Corporation stop. L. W. Mueller, W. J. Bowan, and W. E. Gould. 2,481,142, Sept. 6.
Coupling: *See*—
Shaft coupling.
Counting device, Photoelectric. T. K. Riggen. 2,481,347, Sept. 6.
Coupling for flexible hose. A. A. Burckle. 2,481,001, Sept. 6.
Coupling for pipe conduits. A. E. Welin-Berger. 2,481,376, Sept. 6.
Cover: *See*—
Key cover.
Cracking machine with spaced, corrugated rollers, Fruit pit. R. T. Collier. 2,481,201, Sept. 6.
Crusher with displaceable shaft for relieving excessive crushing strains, Gyratory. S. W. Traylor, Jr. 2,481,261, Sept. 6.
Curler, Ringlet. E. M. Schiller. 2,481,448, Sept. 6.
Cutter: *See*—
Pipe and tube cutter.
Cutting machine, Cheese. L. M. Seely. 2,481,162, Sept. 6.
Cutting machine, Grass. B. P. Strong. 2,481,364, Sept. 6.
Cutting machine, Strip. L. Q. Presby. 2,481,342, Sept. 6.
Cyanine dyestuffs, Production of. J. D. Kendall and F. P. Doyle. 2,481,022, Sept. 6.
Cyclic aminobenzaldehyde acetals of 1,2- and 1,3-glycols of two to four carbon atoms. D. M. McQueen and D. W. Woodward. 2,481,434, Sept. 6.
Cyclopentane carboxyaldehydes and derivatives thereof, Preparation of. R. R. Whetstone. 2,480,990, Sept. 6.
Cylinder for injection molding machines, Heating. L. J. Caron. 2,480,838, Sept. 6.
Dehydrated mashed potatoes, Preparing. C. W. Kaufman, H. M. Burgess, and F. Hollis, Jr. 2,481,122, Sept. 6.
Dehydration of foods by sublimation. R. T. Palmer. 2,480,954. Sept. 6.
Dehydrofluorination with metallic mixtures as catalyst. J. F. Eberle. 2,481,208, Sept. 6.
Dehydrofluorination with copperplated metal catalysts. J. F. Eberle. 2,481,207, Sept. 6.
Detector, Ice. H. Friedman and L. Wolfe. 2,480,846, Sept. 6.
Device for catching broken threads. C. Caille. 2,481,197, Sept. 6.
Device for cleaning rakes. C. L. Davis. 2,480,910, Sept. 6.
Device for detaching type plates from magnetic chases. A. R. Bone. 2,481,191, Sept. 6.
Device for magnetically determining thickness of coatings. M. F. Reynst. 2,481,345, Sept. 6.
Device for tapping beer barrels. R. Swartley. 2,481,258, Sept. 6.
Device for the disposal of snow and ice. A. J. Cayas. 2,481,199, Sept. 6.
Device for turning platform covers on slip-lasted shoes. W. W. Prue. 2,480,962. Sept. 6.
Device for use in constructing maps from aerial photographs. E. J. Schlatter. 2,481,246, Sept. 6.
Dewatering process. J. E. Greenawalt. 2,481,110, Sept. 6.
Dip device for minnows and the like. L. H. Heger. 2,480,924, Sept. 6.
Discharge device, Aerial. A. J. Ritchie. 2,480,967, Sept. 6.
Discharge device and manufacture, Electron. W. C. Dale. 2,481,202, Sept. 6.
Discharge device, Electron. W. C. Brown. 2,480,900, Sept. 6.
Discharge device, Electron. D. M. Powers. 2,481,151, Sept. 6.
Discharge device, Electron. P. L. Spencer. 2,481,171, Sept. 6.
Discharge device, Gaseous. P. W. Stutsman. 2,481,365, Sept. 6.
Discharge device of the magnetron type, Electron. W. C. Brown and E. N. Kather. 2,480,999, Sept. 6.
Disconnector, Electrical. T. I. Eldridge, Jr. 2,481,298, Sept. 6.
Disintegration of moist fibrous alkali cellulose masses. J. Brackett. 2,480,998, Sept. 6.
Dispenser: *See*—
Rotary cigarette dispenser.
Door bolt, Automatic. J. J. Rousseau. 2,481,154, Sept. 6.
Door-operating mechanism for lift doors and the like. S. Kruger. 2,481,124. Sept. 6.
Draft heater, including airtight ash pit, Down and cross. B. A. Landry. 2,481,165, Sept. 6.

Draft switch. A. F. Geisel. 2,480,847, Sept. 6.
Drier for thermal pipe insulation. R. L. Lindemuth. 2,481,130. Sept. 6.
Drilling fluid composition. C. S. Penfield. 2,481,339, Sept. 6.
Drive, Constant or variable-speed. J. H. Egy. 2,480,841, Sept. 6.
Drive, Engine starter. D. L. Miller. 2,481,324, Sept. 6.
Drive, Engine starter. P. L. Schneider and D. W. Nighbert. 2,481,249. Sept. 6.
Drive for contrarotating propellers. T. Clark and D. Harriman. 2,481,290, Sept. 6.
Drive, Intermittent motion magnetic. G. W. Sprenger. 2,481,360, Sept. 6.
Drive, Variable ratio. W. Lehnert. 2,481,315, Sept. 6.
Driving device, Tack. A. E. Binns. 2,481,190. Sept. 6.
Driving mechanism for automatic bar stock machines and the like. E. J. Robichand. 2,481,153, Sept. 6.
Drying apparatus, Hair. J. Moiseew dit Stone. 2,481,328, Sept. 6.
Drying device, Hair. E. F. K. Fluegel. 2,481,407, Sept. 6.
Dynamoelectric machine. K. H. Fox. 2,480,844, Sept. 6.
Easel. N. A. Nilsson. 2,480,952, Sept. 6.
Easel, Collapsible. S. L. Goldman. 2,480,918, Sept. 6.
Egg beater. V. Sabatella. 2,481,352, Sept. 6.
Egg-grading machine. C. Page. 2,481,440, Sept. 6.
Electric cable connector. A. Anderson. 2,480,895, Sept. 6.
Electric resistance seam welding bimetallic element. G. W. Crise. 2,481,087, Sept. 6.
Electric vibration motor. F. Adolph. 2,480,825, Sept. 6.
Electrical switch. D. Morrison. 2,481,141, Sept. 6.
Electrolytic dendritic powdered iron, Making. H. M. Casey. 2,481,079. Sept. 6.
Electromagnetic clutch and brake, Axially engaging. W. P. Lear. 2,481,028, Sept. 6.
Electron discharge device having elongated electrodes, Ultra high frequency. R. R. Law and L. Pensak. 2,481,026, Sept. 6.
Element for light-polarizing images, Image-carrying. A. Barnes. 2,481,189, Sept. 6.
Elevating mechanism. C. D. Gibson. 2,480,916. Sept. 6.
Emulsion, Bituminous. V. E. Watts and L. G. Thompson. 2,481,374, Sept. 6.
Emulsion, Stabilized bituminous. P. E. McCoy. 2,481,322, Sept. 6.
Emulsions and the like, Bituminous. P. E. McCoy and G. S. Smith. 2,481,323, Sept. 6.
Emulsions containing N-aryloxy-, arylthio- and arylseleno-alkyl cyanine dyes, Photographic. A. W. Anish. 2,481,464, Sept. 6.
Enamel, Lead borosilicate. F. B. Hodgdon. 2,481,473, Sept. 6.
Enamel, Porcelain. G. Goodman. 2,481,474, Sept. 6.
Engine control means. J. E. Justus. 2,481,020, Sept. 6.
Ephidrive-ethylene diamine complex. E. A. Ferguson, Jr. 2,481,406, Sept. 6.
Escapement mechanism. T. A. Gummersall. 2,481,213, Sept. 6.
Expanding mandrel for feed reels. R. Brunner. 2,481,000, Sept. 6.
Fastener member, Self-locking mountable. E. A. Miller. 2,481,325, Sept. 6.
Feeding apparatus. E. V. Francis. 2,481,101, Sept. 6.
Feeding apparatus for alimentary paste die. C. Ambrette. 2,481,274, Sept. 6.
Fermentation process. H. M. Tsuchiya, J. M. van Lenen, and A. F. Langlykke. 2,481,263, Sept. 6.
Field desk and file cabinet, Invertible. F. T. Paden. 2,480,876, Sept. 6.
Fieldglass and protective cover therefor. S. Glauser. 2,481,409, Sept. 6.
Film, Developer-roll. W. H. Richards. 2,480,880, Sept. 6.
Film driving device, Intermittent claw type. A. Heurtier. 2,481,115, Sept. 6.
Fire extinguisher for motion-picture projectors. D. C. Soper. 2,481,168, Sept. 6.
Fireproof container. M. Essman. 2,481,095, Sept. 6.
Fish lure. J. G. Premo, Jr. 2,481,445, Sept. 6.
Fishing pole holder. R. M. Williams. 2,481,272. Sept. 6.
Fishing rod holder. V. N. Johns. 2,481,118, Sept. 6.
Fitting, Hydraulic. V. P. Donner. 2,481,404. Sept. 6.
Fixture for machine tools, Boring. E. R. Olsen, R. F. Flora, and C. J. Lonnee. 2,481,335, Sept. 6.
Flame candle, Ornamental colored. J. A. Joyce. 2,481,019, Sept. 6.
Flexible recording belts, Packing. C. L. Bossmeyer. 2,481,285. Sept. 6.
Flexible strip jar cap wrench. R. J. Whitaker. 2,481,055, Sept. 6.
Float, Fishing. T. S. Rigby. 2,481,346. Sept. 6.
Float, Fishing. R. S. Stadelhofer. 2,481,453, Sept. 6.
Fluid-handling device, Magnetically driven. J. D. Staggs. 2,481,172. Sept. 6.
Flux compositions and processes, Galvanizing. C. A. Vana. 2,481,457, Sept. 6.
Fluxing materials, Preparing. J. J. Bowden and J. S. Buda. 2,480,901, Sept. 6.
Form for building concrete structures. C. M. Dicus. 2,480,840. Sept. 6.
Forming and loading machine, Magazine. J. M. Bowen. 2,481,070. Sept. 6.
Fuel oil preheat control. C. L. Rayfield. 2,481,038, Sept. 6.
Gain-control system, Automatic. N. B. Farnsworth. 2,480,842, Sept. 6.
Game, Mathematical. D. A. Zarlengo. 2,481,058, Sept. 6.
Game with recording attachment, Number wheel. W. J. Balaun. 2,481,277, Sept. 6.
Garment. G. Rosenfield. 2,481,351, Sept. 6.
Garment, Abdominal supporting. M. Cohen. 2,481,396, Sept. 6.
Garment bag. B. J. Frost. 2,481,102, Sept. 6.
Garment hanger. J. W. Eaton. 2,481,206, Sept. 6.
Garment hanger. W. T. Mattausch. 2,481,432, Sept. 6.
Gas-solids contacting apparatus including stripping solid particles. H. J. Ogorzaly. 2,481,439, Sept. 6.
Gaseous reduction of iron ore, Two-stage. C. E. Heminger. 2,481,217, Sept. 6.
Gauge: *See*—
Hydraulic action center gauge. Indicating caliper gauge.
Gauge and making same, High-temperature strain. W. D. Van Dyke. 2,481,371. Sept. 6.
Gear pump. G. W. Müller. 2,481,143, Sept. 6.
Generating mechanism, Rate. E. P. Ross. 2,481,039, Sept. 6.
Generator: *See*—
Producer gas generator.
Governor, Hydraulic. W. E. W. Nicolls. 2,481,334, Sept. 6.
Grass cutter and edge trimmer, Combination. R. E. Harshman. 2,480,922, Sept. 6.
Grater, Rotary drum cheese. J. Orlando. 2,481,336, Sept. 6.
Grease, Bleaching wool. E. R. Woodward and I. Malmstrom. 2,481,463, Sept. 6.
Grinding fixture, Ring. R. Stenwall. 2,481,173, Sept. 6.
Group VIII metal-on-aluminum catalyst, Preparing a. J. A. Pierce and R. W. Richardson. 2,481,238, Sept. 6.
Guiding system, Radio. A. N. Goldsmith. 2,481,410, Sept. 6.
Hair clipper, Automatically adjustable. J. Gullong. 2,480,920. Sept. 6.
Hair guiding attachment for hair clippers. F. Fewins. 2,481,097, Sept. 6.
Hairpin holder. M. Farnsworth. 2,481,209, Sept. 6.
Halocycloalkanes, Production of. L. Schmerling. 2,481,160, Sept. 6.
Halo-hydrocarbons, Treatment of. L. Schmerling. 2,481,157, Sept. 6.
Hammock, Immersion. J. V. Davis. 2,481,400, Sept. 6.
Hand brake. S. B. Haseltine. 2,481,012, Sept. 6.
Handling system, Ash. E. C. Webb. 2,481,375, Sept. 6.
Hanger: *See*—
Garment hanger.
Harvester for sugar cane or the like. P. T. Woodland. 2,481,462, Sept. 6.
Hat forming machine. M. Press. 2,480,960, Sept. 6.
Hatch operating mechanism, Safety. R. Kerr. 2,481,429, Sept. 6.
Heater: *See*—
Auxiliary hot water heater. Ceramic space heater.
Jet heater.
Heating element, Electrical. G. Lewin. 2,481,229, Sept. 6.
Heel-attaching machine. T. B. Clarke and A. A. Rivington. 2,480,907, Sept. 6.
Helicopter station. L. G. Redstone. 2,481,343, Sept. 6.
Helix for facsimile apparatus, Raised. W. H. Tribble. 2,480,890, Sept. 6.
Heterocyclic-substituted carbinols. R. R. Whetstone. 2,481,377, Sept. 6.
Heterodyne eliminator, Automatic. J. L. A. McLaughlin. 2,480,870, Sept. 6.
High-grade pottery ware, Method and apparatus for making. W. J. Miller. 2,481,326. Sept. 6.
Hinge, Pipe. J. C. Hobbs. 2,480,858, Sept. 6.
Hip pad. J. A. Coleman. 2,481,291, Sept. 6.
Hitch, Trailer. P. T. Miller. 2,481,139, Sept. 6.
Hog oiler, Automatic. H. H. Steffens. 2,481,361, Sept. 6.
Hoist and tow mechanism. B. M. Johnson. 2,481,223, Sept. 6.
Hoisting device, Sign. K. G. Skrumbelios. 2,481,252, Sept. 6.
Holder: *See*—
Combination shade and curtain holder. Hairpin holder.
License plate holder.
Fishing pole holder. Telephone holder.
Fishing rod holder.
Holding device for voice receivers. M. K. Willey. 2,481,271, Sept. 6.
Hook. A. H. Hatchette. 2,480,923. Sept. 6.
Housing, Axle. L. R. Buckendale. 2,480,833, Sept. 6.
Hydraulic action center gauge. C. O. Hanson. 2,481,420, Sept. 6.
Hydraulic barker. F. H. Swift. 2,480,889, Sept. 6.
Hydrocarbons, Purifying. W. F. Engel. 2,481,300. Sept. 6.
Hydrolysis of polyvinyl esters. H. W. Bryant. 2,481,388, Sept. 6.
Hygrometer. F. B. Newell and V. E. Matner. 2,481,332, Sept. 6.
Icing machine, Cake. G. Reget. 2,481,242, Sept. 6.
Illuminated case. S. J. Cannava. 2,481,394. Sept. 6.
Improving the carding effect of carding cylinders. A. M. Castell. 2,481,002, Sept. 6.
Index device for rotating bodies. A. L. Stone. 2,481,255, Sept. 6.
Indexing and switching system, Electric self-indicating. W. A. Sourwine and H. I. Pierce. 2,481,169, Sept. 6.
Indicating apparatus, Radio direction. W. L. Barrow, D. S. Pensyl, and W. W. Mieher. 2,480,829, Sept. 6.

Indicating caliper gauge. H. A. Burdwood. 2,481,078, Sept. 6.
Indicating cross sectional area of a bore of a capillary tube, Method of and apparatus for. F. B. Hutchinson, C. W. Miller, and E. D. Thompson. 2,481,310, Sept. 6.
Indicating device, Tire pressure. M. E. Hatcher. 2,480,855, Sept. 6.
Indicator: *See*—
Bias indicator. Time period indicator.
Coil-polarity indicator. Tire deflation indicator.
Indicator and guide, Visible headlight. T. A. Marcinik. 2,481,321, Sept. 6.
Induction heating device, High-frequency. O. E. Bowlus. 2,481,071, Sept. 6.
Inductor, Multiturn split. N. G. Gagliardi, A. A. Finger, and R. J. Stanton. 2,481,008, Sept. 6.
Injector, Fuel. B. G. Parsons. 2,481,441, Sept. 6.
Instrument, Measuring. A. E. Andersson. 2,481,276, Sept. 6.
Insulating and acoustical materials, Making. J. M. Campbell. 2,481,391, Sept. 6.
Intermission device for automatic phonographs. E. Wennerbo. 2,481,270, Sept. 6.
Intraoral fracture reduction appliance. B. F. Tofflemire. 2,481,177, Sept. 6.
Isoolefin polymerization catalyzed by Friedel-Crafts double salts. D. W. Young. 2,481,273, Sept. 6.
Jet heater. A. W. Buell. 2,481,077, Sept. 6.
Jigsaw puzzle and quiz, Game combining. M. C. Grace. 2,481,109, Sept. 6.
Joint: *See*—
Packless expansion joint.
Joint breaker and cathead. J. H. Schreiber. 2,481,161, Sept. 6.
Juicer for fruits and vegetables with vertical axis rotating grater plate. W. E. Gundelfinger. 2,481,010, Sept. 6.
Key case and flashlight, Combined. M. A. Corigliano. 2,481,295, Sept. 6.
Key container. W. M. Smyser and S. C. Rheberg. 2,481,359, Sept. 6.
Keyboard cover. P. M. Fuller. 2,481,103, Sept. 6.
Kit, Dental. J. C. White. 2,481,056, Sept. 6.
Knitted fabric, Manufacturing. G. C. A. Alric. 2,480,894, Sept. 6.
Knitting machine, Straight bar. W. G. Macdonald and W. A. Cooper. 2,480,948, Sept. 6.
Laundry drying rack. S. Pawlansky. 2,481,443, Sept. 6.
Lawn mower, Electric. J. J. Malpass. 2,480,944, Sept. 6.
Lawn sprinkler. J. R. Brown. 2,481,074, Sept. 6.
Leg prostheses. U. K. Henschke and H. A. Mauch. 2,480,856, Sept. 6.
Leveling device, Elevator. A. E. Thurber, Jr. 2,481,260, Sept. 6.
Leverage wrench. C. Meunier. 2,481,435, Sept. 6.
License plate holder. J. A. Miller. 2,481,437, Sept. 6.
Lid lifter. W. P. Jordan. 2,481,119, Sept. 6.
Lifter: *See*—
Lid lifter.
Lifter roof for liquid storage apparatus, Liquid-sealed. J. H. Wiggins. 2,481,184, Sept. 6.
Lighter, Pyrophoric. R. L. Burchett and F. Meyer. 2,481,195, Sept. 6.
Liquid fuel burner. R. W. DeLancey. 2,480,911, Sept. 6.
Liquid products, Method of and apparatus for dehydrating. J. M. Hall. 2,481,418, Sept. 6.
Loader for vehicles, Cargo. H. E. Presnell. 2,480,959, Sept. 6.
Loader, Manure. A. W. Severin and M. H. Feldmann. 2,481,251, Sept. 6.
Loading apparatus. C. Scott. 2,480,884, Sept. 6.
Loading machine. A. L. Lee. 2,481,128, Sept. 6.
Lock: *See*—
Combination lock. Window sash lock.
Lock. L. M. Dyson. 2,481,093, Sept. 6.
Locking mechanism, Door. G. H. Whitney. 2,481,459, Sept. 6.
Loose-leaf binder, Transparent. S. L. Goldman. 2,480,917, Sept. 6.
Lubricants. J. M. Musselman. 2,480,873, Sept. 6.
Lubricants, Rust-protective. G. H. von Fuchs and G. P. Pilz. 2,481,372, Sept. 6.
Lubricating composition. M. W. Swaney and G. E. Serniuk. 2,481,257, Sept. 6.
Machine for fleshing and/or scraping hides. L. Alberti. 2,480,994, Sept. 6.
Machine for shaping preweit shoe uppers. E. A. Holmgren. 2,480,926, Sept. 6.
Machine tool. C. A. Bickel, S. A. Brandenburg, and T. Foster. 2,481,383, Sept. 6.
Magazine for wire hook belt lacers. H. Koester. 2,481,123, Sept. 6.
Magazine heater for burning solid fuel, Cross-draft. R. A. Sherman and B. A. Landry. 2,481,164, Sept. 6.
Magnesium oxide, Manufacture of. R. E. Clarke and N. R. Collins. 2,480,904, Sept. 6.
Magnetic pump. S. L. Madorsky. 2,481,320, Sept. 6.
Means for aligning type pallets. W. G. Celva. 2,481,081, Sept. 6.
Mechanism for raising and lowering trailer bodies relative to the wheels. C. Davis. 2,480,909, Sept. 6.
Mechanism for turning on a porch light when a doorbell is rung. J. E. McNiel. 2,481,137, Sept. 6.
Metal derivatives of organic compounds containing a replaceable hydrogen, Preparation of. J. R. Morris and J. E. Fields. 2,480,823, Sept. 6.
Metalworking apparatus. S. W. Hayes. 2,481,421, Sept. 6.
Meter and coin slot therefor, Parking. W. J. and W. F. Herschede, and W. N. Woodruff. 2,481,423, Sept. 6.
Method and apparatus for making bellows. D. W. Fentress. 2,481,096, Sept. 6.
Method and apparatus for radio activity well logging. G. Herzog. 2,481,014, Sept. 6.
Milk product containing added anti-anemia factor and making same, Stable. G. E. Grindrod. 2,481,415, Sept. 6.
Milk products and preparing same, Stable fortified. G. E. Grindrod. 2,481,414, Sept. 6.
Motor: *See*—
Electric vibration motor. Rotary jet-actuated motor.
Reciprocating electro-magnetic motor.
Motor brake. C. H. Dederick. 2,481,402, Sept. 6.
Motor system, Regulated speed. R. D. Jones and F. W. Merrill. 2,481,311, Sept. 6.
Mounting: *See*—
Adjustable roll mounting. Pump mounting.
Mountings for fluid pumps. W. W. Sloane. 2,481,047, Sept. 6.
Multiple torsion spring. E. S. Pringle. 2,481,037, Sept. 6.
Musical instrument, Electronic. G. H. Marmont. 2,480,945, Sept. 6.
N (ethyl mercury)-p-toluene sulfonanilide as seed disinfectant. D. F. Mowery, Jr. 2,481,438, Sept. 6.
Nail set. B. W. Frevel. 2,481,304, Sept. 6.
Navigation system. W. J. O'Brien. 2,480,875, Sept. 6.
Necktie. A. Thompson. 2,481,367, Sept. 6.
Nitratoalkyl nitramines, Preparation of. A. T. Blomquist and F. T. Fiedorek. 2,481,283, Sept. 6.
Nonspill battery plug. L. Goldberg. 2,480,850, Sept. 6.
Nozzle, Variable jet. S. Neal. 2,481,330, Sept. 6.
Nutcracker with adjustable spacer cam. J. A. Scaparro. 2,481,447, Sept. 6.
Oil, Crankcase conditioning. C. N. Watson. 2,481,268, Sept. 6.
1-substituted-2,5-diketo-7-methyl-pyrimidopyrazoles and process of preparing same. A. Bavley. 2,481,466, Sept. 6.
Operating mechanism, Brake and clutch. F. Neale. 2,481,144, Sept. 6.
Organ cabinet. V. I. Zuck. 2,481,186, Sept. 6.
Organic silicon compounds, Polymerization of. N. P. Roble. 2,481,349, Sept. 6.
Organo substituted silicon polymers and making them. J. F. Hyde. 2,480,822, Sept. 6.
Oven, Baking. T. R. and W. Neutelings. 2,480,951, Sept. 6.
Package. H. V. Anderson, Sr. 2,481,380, Sept. 6.
Package, Belt hook. E. P. Claus. 2,481,085, Sept. 6.
Packless expansion joint. H. P. Culp. 2,481,472, Sept. 6.
Pad: *See*—
Bedpan pad. Hip pad.
Paint, Green camouflage. K. V. Thimann. 2,481,366, Sept. 6.
Panel structure. J. C. Scurlock. 2,481,046, Sept. 6.
Panning device, Inertia-operated. T. W. Chew. 2,481,083, Sept. 6.
Para-kite attachment. M. A. Moon. 2,480,948, Sept. 6.
Penetrating device, Fog. R. L. Kaye. 2,481,225, Sept. 6.
Penicillin preparations, Producing. O. Wintersteiner, H. B. MacPhillamy, and A. E. O. Menzel. 2,480,991, Sept. 6.
Phenolphthalein beta, beta'-diglucoside octaacetate, Preparation of. R. A. Hales. 2,481,417, Sept. 6.
Phonograph pickup. R. Dally. 2,480,907, Sept. 6.
Photoelectric control apparatus. S. L. Burgwin and F. T. Bailey. 2,480,835, Sept. 6.
Photographic elements, Color yielding. O. W. Murray. 2,481,476, Sept. 6.
Phthalein-aldehyde ion-exchange resins and preparing same. S. P. Rowland. 2,480,970, Sept. 6.
Pickup device for aircraft. R. R. Beddow. 2,481,280, Sept. 6.
Pigments, Fluorescent zinc oxide. L. J. Reimert and E. A. Fatzinger. 2,481,344, Sept. 6.
Pile fabrics, Manufacture of. H. Van Issum. 2,480,984, Sept. 6.
Pipe and tube cutter. L. Quijada. 2,481,446, Sept. 6.
Pipe-joint test plug. E. Henderson. 2,481,013, Sept. 6.
Piston ring. H. P. Phillips. 2,481,340, Sept. 6.
Pitch propeller, Automatic adjustable. A. I. Mount and K. A. Raypholtz. 2,481,032, Sept. 6.
Pivoted jaw wrench actuated by torque-applying extension handle. R. C. Knecht. 2,481,024, Sept. 6.
Planter, Potato. J. M. Bettendorf. 2,480,897, Sept. 6.
Plaster of Paris bonded molds with liquid hydrocarbon prior to autoclaving, Treatment of. X. L. Bean. 2,480,896, Sept. 6.
Plasticized granular slag-forming mass for electric welding, Preparing a. J. ter Berg and G. J. van Wijnen. 2,481,479, Sept. 6.
Plug: *See*—
Nonspill battery plug. Pipe-joint test plug.

Plug and jack, Locking. A. C. Follmer. 2,480,843, Sept. 6.
Pneumatic reset apparatus, Automatic. V. J. Carns. 2,481,395, Sept. 6.
Pocket, Automobile. H. W. Tucker. 2,481,178, Sept. 6.
Polishing of tantalum, Electrochemical. J. F. Gall and H. C. Miller. 2,481,306, Sept. 6.
Polychloro-hydrocarbons, Production of. L. Schmerling. 2,481,159, Sept. 6.
Polyethylene, Chlorination of. V. K. Babayan. 2,481,188, Sept. 6.
Polyhalo-alkanes, Production of. L. Schmerling. 2,481,158, Sept. 6.
Polymerization of 1,3-dienes in the presence of benzylic iodides. G. W. Scott. 2,481,044, Sept. 6.
Polymerization of organo-siloxanes. E. L. Warrick. 2,481,052, Sept. 6.
Polyoxyalkylene compounds. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,481,278, Sept. 6.
Portable electric steam table. W. E. Blackwell. 2,481,384, Sept. 6.
Portable saw, Hand-guided power-driven two-wheeled. C. E. Whittle. 2,480,893, Sept. 6.
Potentiometer device, Electrical. L. Armitage. 2,480,995, Sept. 6.
Pottery ware jiggering device, Bench-type. R. E. Brock. 2,481,073, Sept. 6.
Powder metallurgy. N. C. Moore. 2,481,232, Sept. 6.
Power actuated percussion tool. J. V. Rice, Jr. 2,480,879, Sept. 6.
Power locking differential driving mechanism, Automatic. W. Bagge. 2,481,066, Sept. 6.
Press: *See*—
Sleeve press.
Presser foot. F. P. Tamburro. 2,481,175, Sept. 6.
Pressure and heat-treating device. W. C. Hasselhorn. 2,481,216, Sept. 6.
Primary cell, Magnesium. H. K. De Long and H. A. Barbian. 2,481,204, Sept. 6.
Primary control for burners. J. J. Rothwell and P. Schell. 2,481,040, Sept. 6.
Priming means, Pump. H. R. Welby. 2,481,183, Sept. 6.
Process and apparatus for the recovery of volatilizable constituents from underground carbonaceous formations. L. C. Uren. 2,481,051, Sept. 6.
Process and apparatus for the synthesis of organic compounds. N. L. Dickinson. 2,481,089, Sept. 6.
Process and products of sulfurization of linear methylpentadiene polymers. R. C. Morris and J. L. Van Winkle. 2,481,140, Sept. 6.
Processing of starch pastes. B. D. Miller. 2,481,436, Sept. 6.
Producer gas generator. D. S. Bow. 2,481,287, Sept. 6.
Producing a waterproof seam for polyvinyl resinous coated fabrics. W. E. Schmidt and J. A. Ritzler. 2,480,882, Sept. 6.
Projector, Light. R. Wendel. 2,481,054, Sept. 6.
Propellant powders. G. C. Hale and L. F. Audrieth. 2,480,852, Sept. 6.
Propeller, Variable pitch. H. M. McCoy. 2,480,871, Sept. 6.
Proportioning valve. C. D. Hirst and G. L. Woodington. 2,480,925, Sept. 6.
Protective arrangement for switch contacts. A. M. Curtis. 2,481,003, Sept. 6.
Protector pad for drying machines, Button. S. M. Hyman. 2,480,929, Sept. 6.
Protractor. O. L. Anderson. 2,481,062, Sept. 6.
Protractor. R. O. Gallington and J. M. Canaris. 2,480,914, Sept. 6.
Pulley, Leverage. A. R. Lofstrand. 2,480,865, Sept. 6.
Pump: *See*—
Gear pump. Magnetic pump.
Pump mounting. D. Sherwood. 2,481,452, Sept. 6.
Pumping apparatus for deep wells. E. D. Rosa. 2,480,969, Sept. 6.
Puzzle, Bent wire. A. J. Gore. 2,481,108, Sept. 6.
Puzzle, Educational. A. L. Boyer. 2,480,902, Sept. 6.
Rack: *See*—
Laundry drying rack.
Rail anchor. R. S. Stephens. 2,480,975, Sept. 6.
Railway journal box. H. N. Juel, J. A. Schroeder, and F. B. Lewis. 2,481,120, Sept. 6.
Rake, Adjustable hand. E. D. Paul. 2,481,442, Sept. 6.
Range, Electric. K. R. Kuenne. 2,481,227, Sept. 6.
Reaction products of a polyhydric alcohol and a triazine derivative and preparing the same. F. C. Schaefer. 2,481,156, Sept. 6.
Receiver input, Beam tube. J. R. Moore. 2,480,872, Sept. 6.
Reciprocating electromagnetic motor. L. C. Parker, H. L. McHenry, and J. W. Dickey. 2,481,147, Sept. 6.
Recorder, Wire. C. B. Dale. 2,481,004, Sept. 6.
Recording and computing machine. E. F. Thierfelder. 2,480,981, Sept. 6.
Recording head, Magnetic. M. Camras. 2,481,303, Sept. 6.
Refrigerating system. C. W. Brown. 2,481,469, Sept. 6.
Refrigerator, Portable electric. A. M. Layne. 2,481,228, Sept. 6.
Regeneration of caustic soda-sodium sulfide cooking liquor. R. B. Fuller and V. Woodside. 2,481,408, Sept. 6.
Relay, Shockproof electromagnetic. F. G. Logan. 2,481,431, Sept. 6.
Release device, Parachute canopy. J. W. Horning. 2,481,116, Sept. 6.
Relief valve. J. P. Johnson. 2,481,018, Sept. 6.
Removal of resin from metal, Electrolytic. M. Frager and H. Iserson. 2,480,845, Sept. 6.
Resinous compositions. F. C. Schaefer. 2,481,155, Sept. 6.
Respirator apparatus. F. H. Terhaar. 2,480,980, Sept. 6.
Responsive device, Speed. L. J. Bulliet. 2,481,196, Sept. 6.
Rest, Foot and leg. G. E. Starnes. 2,481,050, Sept. 6.
Rest, magazine support, and bookholder, Combined. A. J. Gere. 2,481,107, Sept. 6.
Reticule for firearm telescopes. T. W. Stein. 2,481,254, Sept. 6.
Retractible handle for motion-picture projector carriers. M. Gold. 2,481,106, Sept. 6.
Ring: *See*—
Piston ring.
Ring for pipe couplings, Sealing. J. J. Smith. 2,481,481, Sept. 6.
Rocket nozzle, Adjustable. A. Africano. 2,481,059, Sept. 6.
Rod: *See*—
Weld and weld rod.
Rod, holder and reel lock, Fishing. C. O. Palmer. 2,481,338, Sept. 6.
Rolling device. J. L. Kempthorne. 2,481,021, Sept. 6.
Rotary cigarette dispenser. L. Still. 2,480,977, Sept. 6.
Rotary jet-actuated motor. R. G. and S. D. Parr. 2,481,235, Sept. 6.
Rounding machine, Rough. C. W. Baker. 2,480,828, Sept. 6.
Rubber thread, Manufacturing. S. W. Alderfer and A. Bosshard. 2,481,060, Sept. 6.
Safety belt, Retractible. H. F. George. 2,480,915, Sept. 6.
Safety device for setting off explosive charges. R. G. Martin. 2,481,231, Sept. 6.
Safety switch arrangement for vehicles. F. Y. and C. C. Taylor. 2,481,176, Sept. 6.
Sandal with elastic upper elements. S. Bender. 2,481,281, Sept. 6.
Saw, Portable power-driven reciprocating. R. W. Phelps. 2,480,957, Sept. 6.
Sawing machine. I. F. Lundquist. 2,480,942, Sept. 6.
Scanning device for cathode-ray oscillographs. H. G. Busignies. 2,480,837, Sept. 6.
Scouring and bleaching wool, Simultaneously. A. L. Dubeau. 2,481,205, Sept. 6.
Scraper, Hog. C. Waters. 2,481,182, Sept. 6.
Seal. J. M. Davies. 2,480,908, Sept. 6.
Seal. P. L. Smith and L. E. Williams, Jr. 2,481,357, Sept. 6.
Seal for rotary joints, Pressure. F. W. Koller. 2,481,430, Sept. 6.
Seal, Pressure. W. Kasten. 2,481,121, Sept. 6.
Sealing means for well heads, Joint. A. J. Penick. 2,480,955, Sept. 6.
Seed for production of titanium dioxide and making same. M. J. Mayer. 2,480,869, Sept. 6.
Selector-stepper switch. M. G. Nelsen. 2,481,033, Sept. 6.
Selector system for magnetic wire reproducers. M. S. Danisch. 2,481,398, Sept. 6.
Sensitization of hydrogen bromide catalyzed oxidation reactions. F. F. Rust, J. H. Raley, and W. E. Vaughan. 2,480,971, Sept. 6.
Shaft coupling. C. J. Stuart. 2,480,976, Sept. 6.
Shafts having sheet metal journal surfaces, Making. G. H. Koch. 2,481,025, Sept. 6.
Sharpening tool. E. Gunnarson. 2,481,309, Sept. 6.
Sheet lumber, Rapid manufacture of. W. C. Goss. 2,480,851, Sept. 6.
Shock absorber. M. Funkhouser. 2,481,210, Sept. 6.
Shock absorber, Friction. G. E. Dath. 2,481,006, Sept. 6.
Shock absorber, Friction. J. H. Link. 2,481,030, Sept. 6.
Shock-absorbing apparatus. R. T. A. and L. W. Pifer. 2,481,150, Sept. 6.
Shoe with two-layer foxing, Rubber-soled. M. Campagna. 2,481,389, Sept. 6.
Shower curtain for bathtubs. S. E. Dalton, Jr. 2,481,397, Sept. 6.
Shutter and diaphragm mechanism for cameras. A. Schwars. 2,480,973, Sept. 6.
Signal comparator, Cathode-ray tube. D. E. Sunstein. 2,480,978, Sept. 6.
Signaling system. A. E. Joel, Jr. 2,481,221, Sept. 6.
Silent car wheel. R. H. Clapp and J. A. Phelan. 2,481,200, Sept. 6.
Silver protective cloth, Making. E. C. Jackson and T. H. Babb. 2,480,930, Sept. 6.
Sink, Sterilizing. P. A. Jaeger. 2,480,931, Sept. 6.
Sleeping car room arrangement. J. W. Patton. 2,481,148, Sept. 6.
Sleeve press. E. Davis. 2,481,399, Sept. 6.
Soap container. M. F. Robinson. 2,481,243, Sept. 6.
Sodium silicate binder, Applying. J. M. Campbell. 2,481,390, Sept. 6.
Solutions of polyvinyl derivatives, Manufacture of. P. C. E. J. Corbiere and R. E. F. Stuchlik. 2,481,294, Sept. 6.
Space heating system. D. O. Eggert. 2,481,297, Sept. 6.
Spindle for braiding looms. N. Philippon. 2,481,237, Sept. 6.
Spinner, Sounding top. G. Palken and N. Elnis. 2,481,337, Sept. 6

Spline aligning device for propellers or the like. R. W. Lusk. 2,480,866, Sept. 6.
Spotting a fluid in a well. J. D. Haynes and O. W. Lyons. 2,481,422, Sept. 6.
Spray fluid rotated sprinkler. W. A. Strock. 2,481,363, Sept. 6.
Spray nozzle deflector, Pivotally adjustable. T. J. Weaver. 2,480,989, Sept. 6.
Spraying attachment for centrifugal extractors. H. F. Hahn. 2,480,921, Sept. 6.
Spraying device, Chemical. L. L. Barr. 2,481,279, Sept. 6.
Spreader, Fishmouth. R. Duddale. 2,481,007, Sept. 6.
Spring: *See*—
Multiple torsion spring.
Spring suspension for vehicles. J. R. Lindsay. 2,481,029, Sept. 6.
Spring support. A. J. Loepsinger. 2,480,864, Sept. 6.
Sprinkler: *See*—
Spray fluid rotated sprinkler.
Stabilization of halogen-containing plastic compositions. P. J. Garner and P. G. Croft-White. 2,481,307, Sept. 6.
Stabilization of polyvinyl chloride compositions. D. Cleverdon and H. P. Staudinger. 2,481,086, Sept. 6.
Stabilization of unsaturated nitriles. R. C. Castner and L. M. Peters. 2,481,080, Sept. 6.
Stage, Signal-amplifier. G. W. Wallin. 2,480,987, Sept. 6.
Starting apparatus, Engine. P. L. Schneider, H. J. Cromwell, and D. W. Nighbert. 2,481,248, Sept. 6.
Starting apparatus, Engine. P. L. Schneider and D. W. Nighbert. 2,481,250, Sept. 6.
Stitching machine, Box. N. A. Young and P. Brehm. 2,481,057, Sept. 6.
Storage battery plate connection. W. Randall. 2,480,964, Sept. 6.
Storage battery plates, Curing. A. L. Hindall. 2,481,218, Sept. 6.
Stretcher device for shirt collars and the like. C. U. Johnson. 2,481,016, Sept. 6.
Styrene by azeotropic distillation, Recovery of. R. B. Greene. 2,480,919, Sept. 6.
Sulfa-drugs and their production. P. Goedrich. 2,481,105, Sept. 6.
Support: *See*—
Abrasive disk support. Spring support.
Support and clamp, Hose. C. K. Cox. 2,480,906, Sept. 6.
Support for the bases of cover-type annealing furnaces, Charge. E. D. Spangler. 2,481,170, Sept. 6.
Surgical cast. M. Gersh and A. Gersh. 2,480,849, Sept. 6.
Surgical dressing. W. F. Hamilton. 2,481,419, Sept. 6.
Surgical dressing element. J. F. Le Lous. 2,481,316, Sept. 6.
Suspension system for automobile vehicles. M. F. A. Julien. 2,480,934, Sept. 6.
Swab, Well. I. C. Bell. 2,480,830, Sept. 6.
Switch: *See*—
Draft switch. Selector-stepper switch.
Electrical switch.
Switch for fluorescent lamps, Starting. R. E. Tiffany and F. J. Krajcik. 2,481,368, Sept. 6.
Switch mechanism, Electric. H. L. Newell. 2,481,333, Sept. 6.
Table: *See*—
Collapsible bath and dressing table. Portable electric steam table.
Tailpiece for violins, etc. W. B. Straton. 2,481,362, Sept. 6.
Tank: *See*—
Transformer tank.
Telegraph instrument. L. L. Dow. 2,481,091, Sept. 6.
Telegraph signal distortion measuring apparatus and system. W. T. Rea. 2,480,878, Sept. 6.
Telephone holder. A. O. Bonecutter. 2,481,387, Sept. 6.
Television device, Color. C. W. Geer. 2,480,848, Sept. 6.
Television receiver, Frequency modulation. V. J. Duke and R. W. Clark. 2,480,913, Sept. 6.
Temperature control for highly exothermic reactions. W. G. Scharmann and K. J. Nelson. 2,481,245, Sept. 6.
Temperature regulating apparatus, Electrical. N. R. Davis. 2,481,401, Sept. 6.
Tennis racket. W. T. Brown. 2,481,075, Sept. 6.
Terminal seal, Tubular heater. A. P. Charbonneau. 2,480,903, Sept. 6.
Testing device, Balance. C. G. Sutton. 2,481,256, Sept. 6.
Testing machine, Tenderness. O. T. Bloom and R. C. Wanty. 2,481,467, Sept. 6.
Thermosetting synthetic molding composition and its manufacture. H. L. J. Marshall. 2,481,136, Sept. 6.
Thermostat system, Detachable. C. E. Armstrong. 2,480,827, Sept. 6.
Thermostatic radiator valve. N. Walker. 2,480,986, Sept. 6.
Thienyl mercaptals and mercaptols in lubricating compositions. J. W. Brooks. 2,480,831, Sept. 6.
Thioether sulfonates, Preparation of. C. S. Hollander. 2,480,859, Sept. 6.
3-thienyl thioethers in lubricating compositions. J. W. Brooks and S. J. Lukasiewicz. 2,480,832, Sept. 6.
Three-way baby chair. G. H. Bennett. 2,481,382, Sept. 6.
Throttle control device. P. Siever. 2,481,167, Sept. 6.
Tilting means for electric furnaces. J. K. McBroom. 2,481,433, Sept. 6.
Time period indicator. M. T. Benner and J. B. Fortier. 2,481,067, Sept. 6.
Tire carrier for balancing machines. J. P. Lannen. 2,481,125, Sept. 6.
Tire deflation indicator. P. Siever. 2,481,166, Sept. 6.
Tool: *See*—
Machine tool. Sharpening tool.
Power actuated percussion tool.
Torpedo, Aerial. N. M. Hopkins. 2,480,927, Sept. 6.
Toy cap rifle. B. Eulenfeld. 2,481,301, Sept. 6.
Toy wagon. W. L. Hayhurst. 2,481,114, Sept. 6.
Traction chain device. R. C. Goff. 2,481,308, Sept. 6.
Trailer, Gooseneck. R. H. Danhaus. 2,481,005, Sept. 6.
Trailer, Vehicle. W. B. MacDonald, Jr. 2,481,230, Sept. 6.
Transformer calibrating apparatus. R. A. Caldwell. 2,481,198, Sept. 6.
Transformer tank. M. B. Mallett. 2,481,134, Sept. 6.
Transforming mechanism, Motion. J. A. Hardman. 2,480,854, Sept. 6.
Translator, including impedance matching, Electroacoustic. F. P. Best. 2,481,068, Sept. 6.
Transmission. H. R. Greenlee. 2,481,212, Sept. 6.
Transmission. V. J. Jandasek. 2,480,933, Sept. 6.
Transmission. R. Lapsley. 2,480,938, Sept. 6.
Transmission control. J. C. Auten. 2,481,465, Sept. 6.
Transmission system, Fluid. I. Iverson and S. M. Simonson. 2,481,220, Sept. 6.
Tray-table. W. E. Jogwick and E. H. McLaughlin. 2,481,117, Sept. 6.
Treatment, Tall oil. E. Segessemann and N. M. Molnar. 2,481,356, Sept. 6.
Trolley collector head. P. C. J. Delachaux. 2,480,912, Sept. 6.
Trolley conveyer, Overhead. C. Peschke. 2,480,956, Sept. 6.
Trouble light for automobiles, Portable. P. A. Pierres. 2,481,444, Sept. 6.
Truck, Friction damped. L. A. Lehrman. 2,481,475, Sept. 6.
Truck, Reel. A. A. Joswick. 2,481,224, Sept. 6.
Tube: *See*—
Valved bubble tube.
Tube system and apparatus, Luminescent. J. H. Bridges. 2,481,468, Sept. 6.
Tuck pointer's hawk. P. J. Morset. 2,481,233, Sept. 6.
Turbogenerator. J. P. Jones. 2,481,222, Sept. 6.
Turntable unit for portable mechanical cranes. J. L. Grundon. 2,481,416, Sept. 6.
2-carboalkoxy-1,3-butadiene dimers by pyrolysis of A'-carboalkoxy cyclohexenes, Preparation of. J. C. Westfahl. 2,480,892, Sept. 6.
Two-stage reduction process for producing metal catalyst. R. W. Krebs. 2,481,226, Sept. 6.
Type head mechanism for typewriting machines, Shiftable. O. W. Swanson. 2,480,979, Sept. 6.
Under pick motion for looms. R. Hrdina. 2,481,425, Sept. 6.
Unit for textile machines, Feed roll. A. E. Winslow. 2,481,185, Sept. 6.
Valve: *See*—
Proportioning valve. Thermostatic radiator valve.
Relief valve.
Valve. J. L. Cooney. 2,481,293, Sept. 6.
Valve. J. J. Harper. 2,481,214, Sept. 6.
Valve assembly. E. D. Williams. 2,481,460, Sept. 6.
Valve for dispensers. D. Trompeter. 2,481,262, Sept. 6.
Valve mechanism, Safety. T. F. Van Denberg and J. Selby. 2,481,265, Sept. 6.
Valve structure. H. C. Cuskie. 2,481,088, Sept. 6.
Valved bubble tube. R. A. Smith. 2,481,358, Sept. 6.
Vaporizer, Carbon dioxide. G. A. Petroe. 2,481,478, Sept. 6.
Vaporizing apparatus, Sulfur. W. T. Grace and J. C. Muller, Jr. 2,481,411, Sept. 6.
Vaporizing device. C. F. J. Dupuy. 2,481,296, Sept. 6.
Variable transmission means. E. Ronai. 2,480,968, Sept. 6.
Vat dyestuff derived from aminodibenzanthrone. W. Schmidt-Nickels. 2,481,449, Sept. 6.
Vehicle wheel. C. S. Ash. 2,481,187, Sept. 6.
Venetian blind. C. Adler. 2,480,992–3, Sept. 6.
Ventilating device for kitchens and kitchen stoves. W. A. Pledger. 2,481,341, Sept. 6.
Ventilating device, Sash. S. M. Monat. 2,481,329, Sept. 6.
Vibrating apparatus. J. R. Lindsay. 2,481,131, Sept. 6.
Vibration damper, Torsional. C. J. McDowall and O. V. Montieth. 2,480,946, Sept. 6.
Viewer for machine tools, Optical projection. G. Banko. 2,481,381, Sept. 6.
Viscous water-soluble cellulose ether solutions and making same. C. R. W. Morison. 2,480,949, Sept. 6.
Visual representation of complex waves. L. Schott. 2,481,247, Sept. 6.
Vitamin concentrates, Manufacturing. L. W. Schnabel. 2,481,353, Sept. 6.
Volume control and sync separator for television receivers, Automatic. A. C. Schroeder. 2,481,045, Sept. 6.

Voting machine. A. N. Gustavson. 2,481,011, Sept. 6.
Washer in cabinet. Retractable. F. Breckenridge. 2,481,193, Sept. 6.
Water-dispersible material throughout thermoplastic polymers, Distribution of. J. A. Connell. 2,480,821, Sept. 6.
Weight mechanism for mechanical vibrating screens and the like, Variable unbalanced. O. R. Strawn. 2,481,174, Sept. 6.
Weld and weld rod. F. K. Bloom. 2,481,385–6, Sept. 6.
Welder, Semiautomatic. P. H. Setsler. 2,481,163, Sept. 6.
Welding apparatus. H. J. Kerr, O. R. Carpenter, F. W. Armstrong, Jr. and N. C. Jessen. 2,480,863, Sept. 6.
Welding apparatus, Electric. B. H. Lepine-Williams. 2,481,317, Sept. 6.
Welding, Electric. H. S. Holmes. 2,481,219, Sept. 6.
Welding or brazing flux composition. R. Wassermann. 2,481,053, Sept. 6.
Well head assembly. A. J. Penick. 2,481,035, Sept. 6.
Well-drilling apparatus. R. J. Gill. 2,481,009, Sept. 6.
Wheel: *See*—
Silent car wheel. Vehicle wheel.
Wheel block. J. C. Auten. 2,481,065, Sept. 6.
Winding method and apparatus. H. J. McDermott. 2,481,031, Sept. 6.
Window sash lock. A. E. Walton. 2,480,988, Sept. 6.
Work gauge in fastening inserting machines. B. B. Blanchard. 2,480,898, Sept. 6.
Work holding device. R. P. Sedlock. 2,480,885, Sept. 6.
Wrench: *See*—
Flexible strip jar cap wrench. Leverage wrench.
Xylene-benzene conversion. R. J. Lee and H. D. Radford. 2,480,939, Sept. 6.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 6, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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2,481,205: 8—106

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2,481,374: 252—311.5
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2,481,391: 106—84
2,481,401: 219—20
2,481,406: 260—570.6
2,481,421: 104—216
2,481,442: 56—400.17
2,481,443: 211—1
2,481,462: 56—62
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CLASSIFICATION OF DESIGNS

D 3—10: Des. 155,107
D 4— 3: Des. 155,090
Des. 155,091
Des. 155,110
Des. 155,111
5: Des. 155,101
D 7— 2: Des. 155,079
D16— 1: Des. 155,081
D26—13: Des. 155,088

D26—14: Des. 155,093
Des. 155,113
D33— 8: Des. 155,100
D34— 2: Des. 155,115
4: Des. 155,104
Des. 155,105
15: Des. 155,086
Des. 155,106
D37— 1: Des. 155,085

D38—16: Des. 155,102
D42— 7: Des. 155,078
D44— 1: Des. 155,089
10: Des. 155,084
D45—19: Des. 155,075
Des. 155,076
D48—15: Des. 155,066
Des. 155,067
Des. 155,068

D48—15: Des. 155,069
Des. 155,070
Des. 155,071
20: Des. 155,098
23: Des. 155,063
Des. 155,064
24: Des. 155,094
32: Des. 155,112
D49— 6: Des. 155,080

D49— 6: Des. 155,099
D58— 8: Des. 155,073
13: Des. 155,092
Des. 155,103
Des. 155,109
Des. 155,114
D72— 1: Des. 155,072
D74— 1: Des. 155,087
5: Des. 155,077

D85— 2: Des. 155,083
D86—10: Des. 155,095
Des. 155,096
Des. 155,108
D87— 3: Des. 155,074
Des. 155,082
D90—20: Des. 155,065
D91— 3: Des. 155,097

U. S. GOVERNMENT PRINTING OFFICE: 1949

September 13, 1949 Volume 626 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

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PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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September 13, 1949

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T. M. (Act of 1946)	268	No. 514,969 to No. 515,236	inclusive
T. M. Renewals	87		
Reissues	1	No. 23,146	
Plant Patents	1	No. 872	
Patents	602	No. 2,481,482 to No. 2,482,083	inclusive
Designs	140	No. 155,116 to No. 155,255	inclusive
Total	1,113		

Patents expiring: Patent Numbers 1,876,533 to 1,877,755, inclusive, issued September 13, 1932, expire September 13, 1949

Condition of Applications Under Examination at Close of Business Aug. 26, 1949

Total number of patent applications awaiting action, 146,750. Date of oldest new application, September 11, 1947; date of oldest amended application, April 14, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-11-48	10-31-47	2833
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-15-48	7-16-47	2672
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	2-23-49	3-3-49	867
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-26-48	9-2-47	2955
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	11-10-48	1-2-48	1407
6. SURLE, H., Carbon Chemistry (part)	11-4-48	8-6-48	1807
7. HANLIN, GEORGE, Optics; Photographic Apparatus	12-21-48	9-14-48	1334
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-21-48	9-13-47	3027
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-11-48	12-9-47	2199
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	10-20-48	9-17-48	1411
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-11-48	12-26-47	1988
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-7-48	11-6-47	1825
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-9-47	12-5-47	1923
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	11-15-48	7-27-48	1232
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-1-48	6-7-48	1795
16. LOVEWELL, N. N., Television; Telephony	12-1-48	7-16-48	1415
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-13-48	4-14-47	2357
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	6-23-48	2-9-48	2428
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	11-8-48	5-11-48	1634
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	8-16-48	1-13-48	2052
21. MADER, R. C., Textiles	7-3-48	6-1-48	1381
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	11-26-47	11-17-47	1638
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-3-48	3-10-48	1097
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	9-2-48	9-1-48	2306
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-6-48	3-11-48	1673
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	12-16-48	7-7-48	1134
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	4-10-48	9-5-47	2223
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	11-17-48	3-9-48	1917
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-14-48	1-2-48	3258
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange; Refrigeration; Illuminating Burners.	11-15-48	11-15-48	1695
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-14-48	12-9-48	2134
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-23-48	4-26-48	1722
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	3-3-48	1-20-48	3011
34. SAPPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	7-24-48	4-9-48	1163
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	7-10-48	5-31-47	3761
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-48	9-23-47	1989
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-3-48	6-3-48	1217
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	10-21-48	7-14-48	1606
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	9-2-48	8-20-47	3061
40. DRUMMOND, E. J., Receptacles (part); Packages	11-2-48	1-10-48	3388
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	10-22-48	8-9-47	2216
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	1-6-49	1-14-49	944
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-10-48	9-18-48	1162
44. HARVEY, L. P., Beds; Chairs, Seats	1-26-48	9-23-47	2276
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9-8-48	1-7-48	2535
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	4-28-48	11-28-47	1683

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 146,750. Date of oldest new application, Sept. 11, 1947; date of oldest amended application, April 14, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	11-23-48	5-5-48	2047
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-1-48	4-27-48	1407
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles; Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-1-48	2303
50. LEVIN, SAMUEL, Synthetic Resins	12-20-48	10-6-48	1721
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	12-2-48	9-1-48	1509
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-2-48	11-6-47	3711
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-8-48	2-9-48	1953
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-8-48	1-20-48	1308
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-29-48	7-1-48	1704
56. COCKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification	11-18-48	9-4-48	2004
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	3-30-48	6-23-47	2155
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	9-11-47	1-20-48	1763
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	11-3-48	9-1-48	1300
60. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-6-48	6-7-48	897
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-1-47	6-6-47	2780
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	9-2-48	11-4-47	2714
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	11-1-48	6-12-48	2232
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-3-49	2-1-49	1654
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	10-28-48	4-5-48	2279
66. LISANN, I., Geometrical Instruments	9-10-48	7-3-47	1871
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	11-26-48	6-4-48	1896
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	1-7-49	10-4-48	1407
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-1-48	9-12-47	2223
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-17-48	2-9-48	1648
DESIGNS: BREHM, G. L.	1-19-48	1-13-49	6849

Total number of trade-mark applications awaiting action (including renewals and republications), 28,581. Date of oldest new application, June 19, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	7-2-48	11-16-48	4802
2. KASCHUB, H. E., Classes 2, 36, 46	7-23-48	7-29-48	4069
3. SUMMERS, G. S., Classes 21, 23, 26	6-19-48	1-26-49	3609
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	7-1-48	8-30-48	4246
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	7-8-48	10-13-48	3584
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	9-3-48	10-2-48	3092
7. KEYS, O. M., Classes 16, 19, 55	8-9-48	8-24-48	2854
8. GEDMAN, H. W. {Renewals / Republications} All Classes	6-9-49	7-8-49	568
	6-1-49	6-28-49	857

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WATSON

No. 5552. Decided June 28, 1949

[— F.2d —; 82 USPQ 177]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—RECORD—REFERENCES OMITTED—NOT CONSIDERED BY COURT.

Where certain cited patents are relied upon in appellant's brief, but they are not reproduced in the record, *Held* that these patents may not properly be considered by the court.

2. SAME—REFERENCE CITED BUT NOT RELIED UPON—NOT CONSIDERED BY COURT.

Where a patent cited by the Examiner and the Board was not relied upon by either of them in the rejection of the appealed claims, *Held* that patent will not be considered by the court.

3. APPLICATION—CLAIMS—REQUIREMENT.

Each claim submitted in an application for a patent is required to include by proper limitations the patentable subject matter relied upon by the applicant.

4. PATENTABILITY—INVENTION—DEPENDENT CLAIMS.

Held that the patentability of appellant's dependent claims, the limitations of which may add utility to the subject matter of the allowed claims but which may not involve invention, cannot be here allowed.

5. WORDS AND PHRASES—"SUFFICIENTLY RIGID"—"FLEXIBLE ENOUGH."

Since claim 9 does not contain a limitation specific to the particular metal which constitutes the structure of the claimed triangular pyramids, the claim defining the structure as constituted of a metal "sufficiently rigid" and "flexible enough," *Held* that the claim does not in that respect meet the requirement of the statute as to definiteness.

6. PATENTABILITY — PARTICULAR SUBJECT MATTER — "STAKED FASTENER."

Certain claims of appellant's application for a fastener *Held* properly rejected as unpatentable over the references of record; and certain other claims *Held* allowable over the references of record.

APPEAL from the Patent Office. Serial No. 470,771.

MODIFIED.

Conder C. Henry and *Roderick Malcolm* (*Morris A. Rabkin* of counsel) for Samuel H. Watson, Jr.

W. Wallace Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 9, 10, 11, 13, 14, and 15, in appellant's application for a patent for "a new and useful Improvement in Staked Fasteners." Four article claims, Nos. 16, 17, 18, and 19, and two method claims, Nos. 30 and 31, have been allowed.

The references are: Anderson, 945,737, January 11, 1910; Darling, 1,112,525, October 6, 1914; Meaker, 1,156,798, October 12, 1915; Hasselquist, 1,919,552, July 25, 1933; Johnson, 2,102,558, December 14, 1937; Olson, 2,225,654, December 24, 1940.

[1] The cited patent to Hasselquist and certain patents to Alamada and Lundberg are relied upon in appellant's brief but are not reproduced in the record. Therefore, those patents may not properly be considered by the court. See *In re Buser*, 29 CCPA (Patents) 1196, 129 F.2d 710, 54 USPQ 319, 544 O. G. 463. [2] The patent to Johnson cited by the Examiner and the Board was not relied upon by either of them in the rejection of the appealed claims nor is it included in the record. Accordingly, that patent will not be considered by the court. See also *In re Upson*, 34 CCPA (Patents) 1022, 161 F.2d 282, 73 USPQ 401, 603 O. G. 372.

The appealed claims are drawn to an article and are submitted in three groups, each group being specific to a different feature of the article. In the first group are claim 9 and its two dependent claims, 10 and 11; in the second, claim 13 and its dependent claim 14; and in the third, claim 15. Because of the importance attaching to certain details of the involved subject matter, it is deemed necessary to a clear understanding of the issue to reproduce and hereinafter make reference to the following drawing which was filed with appellant's application.

Vol. 626 • No. 2 Tuesday, September 13, 1949 Price $17.50 per year

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

APPELLANT'S DRAWING

FIG. 1.

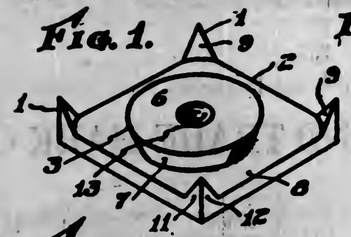


FIG. 2.

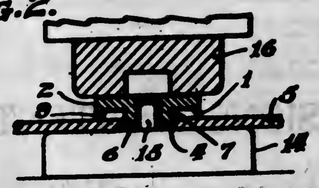


FIG. 3.

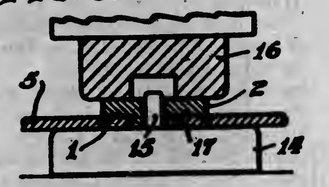


FIG. 4.

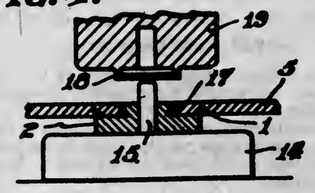


FIG. 5.

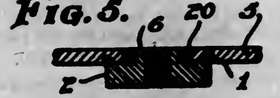


FIG. 7.



FIG. 6.



FIG. 8.

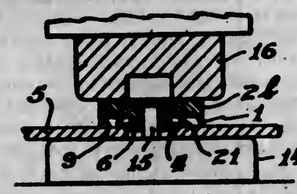


FIG. 9.

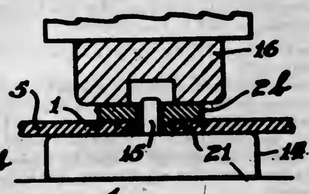


FIG. 10.

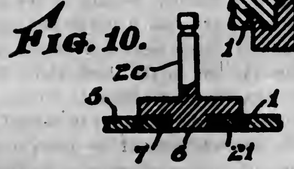


FIG. 11.



The appealed claims read as follows:

9. As a new article of manufacture, a boss having a metal base and a plurality of triangular metal pyramids formed integral with said base for staking said boss to a metal support, *said triangular pyramids being* of the type having but a single inclined face and *constituted of a metal sufficiently rigid to permit their apexes to pierce the surface of said metal support without being substantially distorted, yet flexible enough to be distorted by the forces encountered by their inclined faces when said faces are pressed into the body of said metal support.*

10. The invention as set forth in claim 9 and wherein said base and the triangular pyramids thereon are constituted of a single piece of steel.

11. The invention as set forth in claim 9 and wherein said inclined faces of said triangular metal pyramids slant off in the direction of the external boundary of said base.

13. A *fastener* for attaching a part to an apertured support, said fastener *comprising a base having an inwardly tapering circular protuberance* thereon adapted to be entered into said aperture and *of a length corresponding substantially to the thickness dimension of said support*, and means integral with said base for preventing rotation of said circular protuberance in said aperture.

14. The invention as set forth in claim 13 and wherein the tapered surface of said protuberance slants off from said base at an angle of substantially 15° with respect to a line drawn perpendicular to said base.

15. The combination with a boss comprising a base and *an inwardly tapering protuberance* on said base, of a peen integral with said base adjacent to said protuberance.

The italics contained in the claims hereinbefore set forth have been here supplied by the court to emphasize the limitations of those claims upon which appellant relies as imparting inventive and patentable subject matter thereto.

Appellant's invention, which relates to a means for staking a boss, as a nut, bolt, screw, rivet, grommet or other small protuberant metal fixture, to a solid metal panel or chassis, was succintly described in the Examiner's statement as follows:

As shown in Figs. 1 to 3, the device is a nut or "boss" 2 provided at its four corners with attaching prongs 1 and at its center with an inverted frusto-conical protuberance 3. The device is to be made a substantially integral part of a plate 5 by having the protuberance 3 enter a perforation 4 in the plate, and then subjecting the two to pressure so that the material of the plate is caused to flow in around the reduced part of the frusto-conical protuberance. Simultaneously the prongs 1 are caused to imbed and clinch themselves in the plate, the final result being as indicated in Fig. 5.

Appellant stated in his specification that the prior art recognized two general types of staked fasteners, the first of which was the "blade type" fasteners wherein the stakes comprise prongs or thin blades adapted to be thrust into or through a support constituted of material such as wood, while the second was the type wherein the boss is provided with a single groove or tapered protuberance which is received in a preformed hole in a metal panel or the like and subsequently subjected to pressure in order to bend or flow the supporting metal into the groove.

The problem with the first type of fastener, according to appellant's specification, was that the fastener did not prove a permanent or shake-proof connection and the blades of the fastener could not ordinarily be used in fastening a boss to a support constituted of solid metal, while the problem with the second type was that when applied to a metal support, the fastener could not be pulled out without tearing the metal surrounding the aperture in which the protuberance was seated, and the usually circular contour of the protuberance permitted undesired rotary displacement.

Appellant further stated in his specification that the patent to Anderson is representative of the first type of the fasteners hereinbefore described by him. That patent discloses as a staked fastener an integral cylindrical body member and a back plate, the back plate being provided with two or more inwardly projecting prongs which may be of any desired form, and which may comprise metal pyramids having four inclined faces. The disclosure of the patent is hereinafter more specifically described in the decision of the Board with respect to the Board's rejection of claims 13 and 14.

The patent to Darling relates to "Tripod-Sockets for Camera-Beds" and was cited by the Examiner to show a plurality of sharply pointed spurs or lugs located laterally of an intermediate conical body portion and preferably pointing substantially longitudinally thereof. The patent was also cited to show the combination of anchoring protuberance and rotation preventing means. The patentee discloses that a sheet metal bed made of aluminum and other soft metals may be used, "the soft aluminum" taking the spurs of relatively harder material almost as readily as wood. The Board made the following statement as to the further disclosure in the patent to Darling:

* * * For example, the boss shown in Figs. 4 and 5 of the Darling patent, which incidentally is intended to be used with a metal support 1, has a base 3 and an inwardly tapering protuberance 6 on the base and a peen integral with the base adjacent to said protuberance, this peen being the next adjacent protuberance 6. These protuberances all have a peening action on the aluminum 1 in the same sense as the element 21 of the application, that is, they move the metal as they are driven in.

The patent to Meaker, which appellant states is representative of the second type of staked fasteners hereinbefore described by him, relates to nuts with flanges thereon. In accordance with the disclosure of that patent, a blank body of stock bar dimensions and shape is turned up on its base face with a pair of slightly dished or concave concentric flanges; the outer flange is turned to seat against a slightly dished or concaved face to form a base flange, and a washer with a slightly beveled inner periphery is sleeved over the inner flange, the margin of the latter being spun or pressed out to form a retaining bead which holds the washer against the base flange.

The patent to Olson relates more particularly to fastener units comprising a threaded clamping element and a lock washer secured in a preassembled relation with respect to the clamping surface of the threaded element. The patent was cited by the tribunals of the Patent Office to show, and appellant in his brief concedes that the patent to Olson does show, with respect to the arrangement of the prongs defined in claims 9, 10, and 11, a boss having a metal base and a plurality of triangular metal pyramids formed integral with the base.

Claims 13 and 14 relate to that feature of appellant's fasteners in which he seeks to solve the problem of preventing undesired rotation of the fasteners of the "tapered-protuberance type" by providing, as he states in his brief—

* * * the boss (2), of which the tapered-protuberance (3) is a part, with auxiliary locking or "rotation-preventing" means (e. g., the prongs 1, Fig. 1 and/or the "peen" 21, Fig. 7) integral with the surface from which the "tapered protuberance" depends. * * *

The board in its rejection of claims 13 and 14 made the following statement, reference to drawings, other than appellant's, being omitted:

Claims 13 and 14 differ from claim 9 substantially only in specifying that the boss is circular and is inwardly tapering and in that they do not attempt to specify the properties or specific form of the prongs. These claims are readable word for word on the Anderson patent except that the patent does not disclose the tapering of the protuberance or the tapering at an angle of substantially 15°. The Anderson patent discloses a fastener for attaching a part to an apertured support, said fastener comprising a base having a circular protuberance thereon adapted to be entered into said aperture and of a length corresponding substantially to the thickness dimension of said support, and means integral with said base for preventing rotation of said circular protuberance in said aperture. As pointed out herein the tapering of the protuberance, as in Fig. 3 of the application drawing, is without function so that no invention is involved in merely forming the protuberanec of the Anderson structure tapered in view of the Meaker patent or to make such a taper 15°, whether or not this is the angle of the taper shown by Meaker.

Claim 15, drawn to read upon Fig. 7 of appellant's drawings, calls for a base, an inwardly tapering protuberance on the base, and a peen integral with the base adjacent the protuberance. The Board held that the structure disclosed in the Meaker patent read upon the elements defined in claim

15, except that neither of the two protuberances disclosed by Meaker is tapering. The Board took the position, however, that claim 15 was so broad, that invention would not be involved by such a difference in structure, since the taper was clearly shown in the drawing of the patent by the outer peripheral face of the base flange which is made slightly conical so that the outer edge of the flange is thicker than the root thereof. The Board stated that claim 15 was in fact so broad as to read on a base with two protuberances, one of which tapers and the other of which is integral with the base, as disclosed, for example, by the patent to Darling.

The Board in affirming the rejection of claims 9, 10, and 11 did not take the position that the device disclosed in either of the patents to Anderson or Olson embodied the exact subject matter defined in those claims, but that no inventive concept was involved in forming and arranging the prongs disclosed in the patent to Anderson, in view of the patent to Olson, which disclosed prongs formed and arranged exactly as specified in claims 9, 10, and 11. The Board also held that there was no necessity to rely on any published reference showing the feature in which the prongs disclosed in appellant's application were distorted upon being driven into the metal support since, as suggested by the Examiner, such disclosure was in accordance with the principle embodied in self-clinching nails, which principle was "extensively used in such ancient arts as boat-building and horseshoeing."

Appellant concedes that "self-clinching" nails for use with wood, horse's hoofs, and other non-metallic or relatively soft substances are old in the art. Appellant also concedes that the patent to Olson shows "a boss having a metal base and a plurality of triangular metal pyramids formed integral with said base * * * said triangular pyramids being of the type having but a single inclined face."

The ultimate question therefore presented for determination by the court, in view of appellant's concessions, is whether the Board erred in holding that since claims 9, 10, and 11 were not drawn to the combination of the support and the fastener, the inclusion in those claims of the feature as to degree of rigidity of the metal of the prongs, such as "sufficiently rigid" and "flexible enough," imparted no positive limitation to the claims.

[3] This court has adhered to the rule that each claim submitted in an application for a patent is required to include by proper limitations the patentable subject matter relied upon by the applicant. [4] Accordingly, the patentability of appellant's dependent claims, the limitations of which may add utility to the subject matter of the allowed claims but which may not involve invention, cannot be here allowed in accordance with the practice cited in the case of *Sandy MacGregor Co. et al. v. Vaco Grip Co.*, 2 F.2d 655.

[5] The court is of opinion that since claim 9 does not contain a limitation specific to the particular metal which constitutes the structure of the claimed triangular pyramids, the claim does not in that respect meet the requirement of the statute as to definiteness, nor does it come within the decision, upon which appellant relies, in the case of *Rosenberg v. John Hassall*, 73 F.2d 58, 23 USPQ 71.

However, claim 10 by proper reference incorporates therein the subject matter of claim 9, and contains the additional limitation that the involved base and the triangular pyramids are constituted of a single piece of steel. When claim 10 is thus combined with the limitations of claim 9, the court is of opinion that the combined claims are allowable as revised claim 10. Furthermore, dependent claim 11 is also allowable, in our opinion, when made dependent upon claim 10 as revised.

Appellant states that the Board in its rejection of claims 13 and 14 erroneously called the inwardly tapered protuberance illustrated in appellant's drawing a "boss," whereas the word "boss" is used by him to designate a small metal fixture of which the inwardly tapered protuberance referred to by the Board is but a part. Moreover, the limitations of claims 13 and 14, in accordance with appellant's specification, embody the concept of a fastener which requires no counterboring or countersinking operation as required in the prior art practice.

Appellant contends that claims 13 and 14 do not read word for word on the patent to Anderson as the Board has stated, since that statement disregards the specific limitation in those claims as to the length dimension or "structure" required to carry the said concept into practical effect. Appellant concedes in his brief that fasteners having a single tapered protuberance are old. It is therefore deemed unnecessary to discuss the statement of the Board that no invention would be involved in forming the protuberance "of the Anderson structure tapered in view of the Meaker patent," since the court is constrained to disagree with the Patent Office tribunals that claims 13 and 14 are not patentable over the references of record.

The record discloses that dependent claim 16 has been allowed, and that the claim in part includes the "invention as set forth in claim 15." There is considerable doubt that the structure disclosed by the patent to Meaker, and relied upon by the tribunals below, exerts a peening action, as stated by the Board. However, appellant has failed to convince the court that the Board was erroneous in holding that claim 15 is so broad as to include the disclosure of the patent to Darling in which the "protuberances all have a peening action on the aluminum 1 in the same sense as the element 21 of the application, that is, they move the metal as they are driven in."

[6] For the reasons herein stated, the decision of the Board of Appeals is modified, being reversed as to claims 10, 11, 13, and 14, and affirmed as to claims 9 and 15.

MODIFIED.

HATFIELD, J., sat during the argument of this case but, due to illness, did not participate in the decision.

NOTICES

Cancellation of Patent

Patent No. 1,655,391, January 3, 1928, Karl E. Peller, IMPROVEMENTS IN METHODS OF AND APPARATUS FOR FEEDING MOLTEN GLASS.

On July 22, 1949, the District Court of the United States for the District of Delaware rendered judgment by consent in *U. S.* v. *Hartford-Empire Company*, Civil Action No. 554, and "ordered adjudged and decreed that: United States Letters Patent No. 1,655,391, issued January 3, 1928, to defendant be and hereby is cancelled ab initio." The above judgment has been recorded in the assignment records, liber Q193, page 254.

Disclaimer

2,431,273.—*Leon S. Nergaard*, Princeton, N. J. ELECTRON DISCHARGE DEVICE EMPLOYING A CAVITY RESONATOR. Patent dated Nov. 18, 1947. Disclaimer filed Aug. 5, 1949, by the assignee *Radio Corporation of America*.

Hereby enters this disclaimer to claims 3, 6, 7, 9, 10, 11, and 14 of said patent.

Drawings

Attention is directed to Rule 84 of the Rules of Practice and particularly to section (c) thereof, which states in part:

All drawings must be made with drafting instruments or by photolithographic process which will give them satisfactory reproduction characteristics.

Photolithographic drawings on other than Bristol board (Rule 84*a*) or photographic drawings on sensitized paper are not in compliance with this rule.

Interference Notice

Bernard Goldstein, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Falchick Dress Co., Inc., 101 W. 37th St., New York, N. Y., for registration of a trade-mark and Registration No. 348,646, issued August 3, 1937, to Bernard Goldstein, 303 Fifth Avenue, New York, N. Y., and the notice of such declaration sent by registered mail to the said Goldstein at the said address having been returned by the post office undeliverable, notice is hereby given that unless Bernard Goldstein, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 25, 1949. *Assistant Commissioner of Patents.*

Cancellation Notice

Donald E. Kastner, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Julep Company, 353 West Grand Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration of Donald E. Kastner, 1550 Broadway, New York, N. Y., No. 338,791, dated September 15, 1936, and the notice of such proceeding sent by registered mail to the said Donald E. Kastner at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kastner, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 24, 1949. *Assistant Commissioner of Patents.*

Amendment Filed by an Attorney Not of Record

When an amendment is filed, signed by an attorney whose power is not of record, he, as well as the applicant, should be notified that the amendment cannot be entered.

When the Examiner's letter is of such a character that the six months for amendment runs from the date of a previous action, a statement to that effect should be made at the end of the letter and the date from which the six months runs given.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Cross-References in Cases Relating to Same Subject

When an applicant files an application claiming an invention disclosed in a prior filed application of the same applicant, the second application must contain a reference to the prior application, identifying it by serial number and filing date and indicating the relationship of the applications. When an applicant files, or a common assignee owns, two or more applications relating to the same subject matter of invention, with one or more of the applications disclosing unclaimed matter that is disclosed and claimed in another of the applications, the applications not claiming it must refer to and identify the application claiming it. Cross-references to other related applications may be made when appropriate.

Notice Regarding Payment of Fees

RULE 22. Fees and charges payable to the Patent Office are required to be paid in advance, that is, at the time of making application for any action by the Office for which a fee or charge is payable.

RULE 23. All payments of money required for Patent Office fees should be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or by certified checks. If sent in any other form, the Office may delay or cancel the credit until collection is made. Money orders and checks must be made payable to the Commissioner of Patents. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Trade-Mark Drawings

Substitute drawings will not be accepted in trade-mark applications unless required by the Examiner of Trade-Marks or correction of the original drawing would require that the mark be substantially entirely redrawn.

Communications to the Patent Office

A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters. (See Rule 4.)

Returnability of Fees

All questions pertaining to the return of fees will be referred to the Financial Division. Examiners and chiefs of other divisions will express no opinion to attorneys or applicants as to whether or not fees are returnable in particular cases.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for twenty-five cents. (Designs ten cents.)

Amendments to Amendments

RULE 124. When an amendatory clause is to be amended, it should be wholly rewritten and the original insertion canceled, so that no interlineations or deletions shall appear in the clause as finally presented. Matter canceled by amendment can be reinstated only by a subsequent amendment presenting the canceled matter as a new insertion.

Amendments of Drawings

RULE 123. No change in the drawing may be made except by permission of the Office. Permissible changes in the construction shown in any drawing may be made only by the Office. A sketch in permanent ink showing proposed changes, to become part of the record, must be filed. The paper requesting amendments to the drawing should be separate from other papers. The drawing may not be withdrawn from the Office except for signature.

Substitute drawings will not ordinarily be admitted in any case unless required by the Office.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

American Telephone and Telegraph Company has placed all of its United States patents on the Register as available for licenses. A notice with a statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE of Feb. 15, 1949.

In accordance with said notice, listings of the patents began in the GAZETTE of Aug. 16, 1949, and are appearing in succeeding issues as space and time permit. The present listing includes Reg. Nos. 23,890 through 25,124.

Inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

Pat. 2,160,823. Control of Electromagnets. June 6, 1939.

Pat. 2,160,876. Electromechanical Transducers. June 6, 1939.

Pat. 2,161,005. Electron Discharge Devices. June 6, 1939.

Pat. 2,161,006. Cabscope. June 6, 1939.

Pat. 2,161,376. Telephone Systems. June 6, 1939.

Re. Pat. 22,462. Telephone System. Mar. 28, 1944. (Original Pat. 2,161,376.)

Pat. 2,161,456. Telephone Systems. June 6, 1939.

Pat. 2,161,489. Vibratory Systems. June 6, 1939.

Pat. 2,161,494. Strand Handling Apparatus. June 6, 1939.

Pat. 2,161,570. Cooling Systems. June 6, 1939.

Pat. 2,161,629. Carrying Trays. June 6, 1939.

Pat. 2,161,840. Selecting and Typing Means for Printing Telegraphs. June 13, 1939.

Pat. 2,161,864. Telephone Systems. June 13, 1939.

Pat. 2,161,888. Electrical Condensers. June 13, 1939.

Pat. 2,161,945. Time of Day Announcing Systems. June 13, 1939.

Pat. 2,161,950. Deposition Furnaces. June 13, 1939.

Pat. 2,162,268. Signaling Systems. June 18, 1939.

Pat. 2,162,270. Acoustic Devices. June 13, 1939.

Pat. 2,162,356. Relay. June 13, 1939.

Pat. 2,162,358. Orientation Indicating Device. June 13, 1939.

Pat. 2,162,362. Asymmetrical Conductor. June 13, 1939.

Pat. 2,162,744. Amplifiers. June 20, 1939.

Pat. 2,162,790. Printing Telegraph Apparatus. June 20, 1939.

Pat. 2,162,806. Frequency Changers. June 20, 1939.

Pat. 2,162,874. Electrical Measuring Circuit. June 20, 1939.

Pat. 2,162,892. Telephone Systems. June 20, 1939.

Pat. 2,162,894. Measuring Non-Linear Impedances. June 20, 1939.

Pat. 2,162,986. Amplifying System. June 20, 1939.

Pat. 2,163,156. Electron Discharge Devices. June 20, 1939.

Pat. 2,163,157. Electron Discharge Apparatus. June 20, 1939.

Pat. 2,163,195. Mechanical Relays. June 20, 1939.

Pat. 2,163,221. Manhole Structure. June 20, 1939.

Pat. 2,163,244. Signal Translating Apparatus. June 20, 1939.

Pat. 2,163,247. Electron Discharge Apparatus. June 20, 1939.

Pat. 2,163,302. Keyboard Transmitter. June 20, 1939.

Pat. 2,163,403. Stabilized Oscillators. June 20, 1939.

Pat. 2,163,431. Printing Telegraph Exchange Systems. June 20, 1939.

Pat. 2,163,668. Teletypewriter Stations. June 27, 1939.

Pat. 2,163,711. Strand Handling Apparatus. June 27, 1939.

Pat. 2,163,750. High Frequency Transmissiou System. June 27, 1939.

Pat. 2,163,756. High Frequency Oscillators. June 27, 1939.

Pat. 2,164,033. Telephone Systems. June 27, 1939.

Pat. 2,164,034. Selector Switches. June 27, 1939.

Pat. 2,164,157. Acoustic Devices. June 27, 1939.

Pat. 2,164,165. Electrical Condenser. June 27, 1939.

Pat. 2,164,325. Telephone Systems. July 4, 1939.

Pat. 2,164,335. Telephone Systems. July 4, 1939.

Pat. 2,164,344. Signal Transmission System. July 4, 1939.

Pat. 2,164,383. Magnetic Devices. July 4, 1939.

Pat. 2,164,541. Electromechanical Wave Filter. July 4, 1939.

Pat. 2,164,731. Telephone Systems. July 4, 1939.

Pat. 2,164,752. Transmission Circuits. July 4, 1939.

Pat. 2,165,025. Safety Circuits for Cathode Ray Tubes. July 4, 1939.

Pat. 2,165,307. Translating Magnetic Variations Into Electric Variations. July 11, 1939.

Pat. 2,165,308. Cathode Ray Device. July 11, 1939.

Pat. 2,165,509. Oscillation Generators. July 11, 1939.

Pat. 2,165,510. Electrical Measuring Recording and Control Systems. July 11, 1939.

Pat. 2,165,517. Oscillation Generators. July 11, 1939.

Pat. 2,165,539. Package. July 11, 1939.

Pat. 2,165,798. Relays. July 11, 1939.

Pat. 2,165,855. Telephone Systems. July 11, 1939.

Pat. 2,165,883. Wire Wrapping Tool. July 11, 1939.

Pat. 2,165,892. Multiplex Telemetering Systems. July 11, 1939.

Pat. 2,165,924. Telephone Systems. July 11, 1939.

Pat. 2,165,925. Automatic Billing Systems. July 11, 1939.

Pat. 2,166,237. Antenna Coupling System. July 18, 1939.

Pat. 2,166,247. Electro-Optical Transmission Systems. July 18, 1939.

Pat. 2,166,326. Damping Vibratory Members. July 18, 1939.

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Pat. 2,166,763. Piezo-Electric Apparatus and Circuits. July 18, 1939.

Pat. 2,166,764. Switching Mechanisms. July 18, 1939.

Pat. 2,166,929. Electric Wave Amplifying Systems. July 25, 1939.

Pat. 2,167,007. Transmission Circuit. July 25, 1939.

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Pat. 2,167,069. Transmission Systems. July 25, 1939.

Pat. 2,167,078. Electromechanical Systems. July 25, 1939.

Pat. 2,167,254. Piezoelectric Vibrator Oscillator. July 25, 1939.

Pat. 2,167,367. Electric Wave Amplifying Systems. July 25, 1939.

Pat. 2,167,368. Electric Wave Amplifying Systems. July 25, 1939.

Pat. 2,167,519. Electron Discharge Devices. July 25, 1939.

Pat. 2,167,525. Cabinets. July 25, 1939.

Pat. 2,168,047. Electro-Optical Systems. Aug. 1, 1939.

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Pat. 2,168,049. Electro-Optical Systems. Aug. 1, 1939.

Pat. 2,168,757. Cable Plugs in Sleeves. Aug. 8, 1939.

Pat. 2,168,760. Cathode Ray Device. Aug. 8, 1939.

Pat. 2,168,769. Protectors. Aug. 8, 1939.

Pat. 2,169,036. Material Working Apparatus. Aug. 8, 1939.

Pat. 2,169,058. Tape Serving Machines. Aug. 8, 1939.

Pat. 2,169,063. Assembling Parts. Aug. 8, 1939.

Pat. 2,169,179. Electro-Optical System. Aug. 8, 1939.

Pat. 2,169,298. Cable Reel Lagging. Aug. 15, 1939.

Pat. 2,169,301. Wave Filters. Aug. 15, 1939.

Pat. 2,169,380. Selector Release Circuit. Aug. 15, 1939.

Pat. 2,169,396. Signal Translating Apparatus. Aug. 15, 1939.

Pat. 2,169,551. Switching Devices. Aug. 15, 1939.

Pat. 2,169,553. Directive Radio Systems. Aug. 15, 1939.

Pat. 2,169,570. Sealed Joints for Conductors. Aug. 15, 1939.

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Pat. 2,169,732. Magnetic Bodies. Aug. 15, 1939.

Pat. 2,169,740. Relays. Aug. 15, 1939.

Pat. 2,169,821. Electrical Switching and Control Systems. Aug. 15, 1939.

Pat. 2,169,842. Electronic Organ. Aug. 15, 1939.

Pat. 2,169,851. Transmission Level Transient Change Indicator. Aug. 15, 1939.

Pat. 2,170,038. Telephone and Telegraph Exchange System. Aug. 22, 1939.

Pat. 2,170,046. Negative Feedback Amplifiers. Aug. 22, 1939.

Pat. 2,170,187. Lacquers. Aug. 22, 1939.

Pat. 2,170,206. Electrical and Electromechanical Systems Employing Magnetostrictive Devices. Aug. 22, 1939.

Pat. 2,170,316. Printing Telegraph Apparatus. Aug. 22, 1939.

Pat. 2,170,397. Signal Transmission System. Aug. 22, 1939.

Pat. 2,170,403. Telephone Systems. Aug. 22, 1939.

Pat. 2,170,571. Acoustic Devices. Aug. 22, 1939.

Pat. 2,170,645. High Frequency Amplifier. Aug. 22, 1939.

Pat. 2,170,650. Alloys. Aug. 22, 1939.

Pat. 2,170,812. Frequency Modulation. Aug. 29, 1939.

Pat. 2,170,873. Electrical Systems. Aug. 29, 1939.

Pat. 2,170,941. Transmission Control in Signaling Systems. Aug. 29, 1939.

Pat. 2,170,944. Multi-Cathode Ray Discharge Device. Aug. 29, 1939.

Pat. 2,171,119. Strand Winding Machine. Aug. 29, 1939.

Pat. 2,171,127. Condensers. Aug. 29, 1939.

Pat. 2,171,232. Material Treating Apparatus. Aug. 29, 1939.

Pat. 2,171,333. Relays. Aug. 29, 1939.

Pat. 2,171,542. Telegraph System. Sept. 5, 1939.

Pat. 2,171,733. Acoustic Devices. Sept. 5, 1939.

Pat. 2,171,993. Strand Handling Apparatus. Sept. 5, 1939.

Pat. 2,172,055. Lagging for Reels. Sept. 5, 1939.

Pat. 2,172,056. Lagging for Reels. Sept. 5, 1939.

Pat. 2,172,212. Impulse Transmitters. Sept. 5, 1939.

Pat. 2,172,231. Impulse Transmitting Devices. Sept. 5, 1939.

Pat. 2,172,344. Chromium Plating. Sept. 12, 1939.

Pat. 2,172,351. Forming Tools. Sept. 12, 1939.

Pat. 2,172,444. Filing Cabinet Folders. Sept. 12, 1939.

Pat. 2,172,445. Impregnated Fibrous Materials and Compositions. Sept. 12, 1939.

Re. Pat. 22,532. Composite Insulating Material and Method of Making Same. Aug. 22, 1944. Original Pat. 2,172,445.

Pat. 2,172,453. Radio Transmitters. Sept. 12, 1939.

Pat. 2,172,550. Liquid Applying Device. Sept. 12, 1939.

Pat. 2,172,554. Covers for Coin Boxes or Receptacles. Sept. 12, 1939.

Pat. 2,172,770. Winding Machine. Sept. 12, 1939.

Pat. 2,172,832. Carrier Current Transmission System. Sept. 12, 1939.

Pat. 2,172,837. Apparatus for Treating Strands. Sept. 12, 1939.

Pat. 2,172,847. Assembling Tool. Sept. 12, 1939.

Pat. 2,172,913. Paper Feeding Devices. Sept. 12, 1939.

Pat. 2,172,927. Electrical Devices. Sept. 12, 1939.

Pat. 2,172,945. Cable Manufacturing Apparatus. Sept. 12, 1939.

Pat. 2,173,147. Telegraph Transmitters. Sept. 19, 1939.

Pat. 2,173,170. Teletypewriter Apparatus. Sept. 19, 1939.

Pat. 2,173,183. Cross-Talk Measurement. Sept. 19, 1939.

Pat. 2,173,327. Method of Repairing Cable Terminal Binding Posts. Sept. 19, 1939.

Pat. 2,173,335. Telegraph Exchange System. Sept. 19, 1939.

Pat. 2,173,472. Transmission System. Sept. 19, 1939.

Pat. 2,173,481. Manufacture of Electro-Acoustic Devices. Sept. 19, 1939.

Pat. 2,173,548. Selector Switch. Sept. 19, 1939.

Pat. 2,173,551. Communication System. Sept. 19, 1939.

Pat. 2,173,589. Pieso Electric Apparatus. Sept. 19, 1939.

Pat. 2,173,675. Telephone Systems. Sept. 19, 1939.

Pat. 2,173,679. Electron Discharge Devices. Sept. 19, 1939.

Pat. 2,173,816. Transmission System. Sept. 26, 1939.

Pat. 2,173,858. Radio System. Sept. 26, 1939.

Pat. 2,173,923. Cathode Ray Tubes. Sept. 26, 1939.

Pat. 2,173,924. Telephone Systems. Sept. 26, 1939.

Pat. 2,174,003. Optical Devices. Sept. 26, 1939.

Pat. 2,174,006. Signaling Systems. Sept. 26, 1939.

Pat. 2,174,151. Transmission System. Sept. 26, 1939.

Pat. 2,174,165. Alternating Current Wave Production. Sept. 26, 1939.

Pat. 2,174,221. Telegraph Signaling Repeater. Sept. 26, 1939.

Pat. 2,174,230. Holder for Electrically Heated Tools. Sept. 26, 1939.

Pat. 2,174,592. Relays. Oct. 3, 1939.

Pat. 2,174,596. Code Bar Construction. Oct. 3, 1939.

Pat. 2,175,202. Communication Systems. Oct. 10, 1939.

Pat. 2,175,358. Communication Systems. Oct. 10, 1939.

Pat. 2,175,366. Communication Systems. Oct. 10, 1939.

Pat. 2,175,388. Picture Broadcasting System. Oct. 10, 1939.

Pat. 2,176,740. Facsimile Telegraph Transmitter With Case Shift. Oct. 17, 1939.

Pat. 2,177,077. Photo-Electric Transmitter. Oct. 24, 1939.

Pat. 2,177,256. Multi-Channel Television System. Oct. 24, 1939.

Pat. 2,177,260. Making Coils. Oct. 24, 1939.

Pat. 2,177,373. Handling Strands. Oct. 24, 1939.

Pat. 2,177,377. Attaching Parts. Oct. 24, 1939.

Pat. 2,177,457. Strand Handling Apparatus. Oct. 24, 1939.

Pat. 2,177,461. Molding or Shaping Dies. Oct. 24, 1939.

Pat. 2,177,681. Extruded Articles. Oct. 31, 1939.

Pat. 2,177,750. Strand Handling Apparatus. Oct. 31, 1939.

Pat. 2,178,146. Piezoelectric Elements. Oct. 31, 1939.

Pat. 2,178,151. Relay Contact Springs. Oct. 31, 1939.

Pat. 2,178,227. Photoelectric Tubes. Oct. 31, 1939.

Pat. 2,178,333. Gain Control Circuits. Oct. 31, 1939.

Pat. 2,178,365. Electric Conductor. Oct. 31, 1939.

Pat. 2,178,453. Coupling Circuits. Oct. 31, 1939.

Pat. 2,178,464. Cathode Ray Sweep Circuits. Oct. 31, 1939.

Pat. 2,178,548. Resistors. Nov. 7, 1939.

Pat. 2,178,653. Building-Out Unit. Nov. 7, 1939.

Pat. 2,178,656. Electromagnetic Switching Devices. Nov. 7, 1939.

Pat. 2,178,954. Testing Electrical Resistance. Nov. 7, 1939.

Pat. 2,179,091. Coin Collectors. Nov. 7, 1939.

Pat. 2,179,098. Electro-Optical Apparatus. Nov. 7, 1939.

Pat. 2,179,106. Secrecy Signaling System. Nov. 7, 1939.

Pat. 2,179,237. Tone Generators. Nov. 7, 1939.

Pat. 2,179,243. Cathode Ray Devices. Nov. 7, 1939.

Pat. 2,179,261. Heating Dielectric. Nov. 7, 1939.

Pat. 2,179,615. Audiphones. Nov. 14, 1939.

Pat. 2,179,640. Relays. Nov. 14, 1939.

Pat. 2,179,712. Motor Control. Nov. 14, 1939.

Pat. 2,179,818. Electrically Heated Tools. Nov. 14, 1939.

Pat. 2,179,826. Protective Devices. Nov. 14, 1939.

Pat. 2,179,915. Gain Control Circuits. Nov. 14, 1939.

Pat. 2,179,971. Sectionalizing Coaxial Cables. Nov. 14, 1939.

Pat. 2,180,137. Metallic Alloy. Nov. 14, 1939.

Pat. 2,180,139. Purification of Metals. Nov. 14, 1939.

Pat. 2,180,288. Electromagnets. Nov. 14, 1939.

Pat. 2,180,334. Signaling Systems. Nov. 21, 1939.

Pat. 2,180,360. Printing Telegraph Apparatus. Nov. 21, 1939.

Pat. 2,180,364. Cathode Ray Sweep Circuits. Nov. 21, 1939.

Pat. 2,180,365. Sweep Circuits. Nov. 21, 1939.

Pat. 2,180,393. Material Mixing Apparatus. Nov. 21, 1939.

Pat. 2,180,420. Insulation. Nov. 21, 1939.

Pat. 2,180,539. Relays. Nov. 21, 1939.

Pat. 2,180,554. Handling Strands. Nov. 21, 1939.

Pat. 2,180,705. Relays. Nov. 21, 1939.

Pat. 2,180,816. Frequency Conversion Circuits. Nov. 21, 1939.

Pat. 2,180,950. Guided Wave Transmission. Nov. 21, 1939.

Pat. 2,181,188. Insulated Cables. Nov. 28, 1939.

Pat. 2,181,191. Telephone System. Nov. 28, 1939.

Pat. 2,181,265. Signaling Systems. Nov. 28, 1939.

Pat. 2,181,280. Electrical Wave Production. Nov. 28, 1939.

Pat. 2,181,490. Electroplating Apparatus. Nov. 28, 1939.

Pat. 2,181,494. Light Sensitive Electric Device. Nov. 28, 1939.

Pat. 2,181,560. Electric Testing Systems. Nov. 28, 1939.

Pat. 2,181,579. Signal Transmission Line. Nov. 28, 1939.

Pat. 2,181,668. Telephone Switchboards. Nov. 28, 1939.

Pat. 2,181,695. Electrical Condensers. Nov. 28, 1939.

Pat. 2,181,707. Pole-Pieces for Magnetic Telegraphones. Nov. 28, 1939.

Pat. 2,181,708. Printing Telegraph Apparatus. Nov. 28, 1939.

Pat. 2,181,865. Multi-Grid Tube Amplifier. Dec. 5, 1939.

Pat. 2,181,909. Negative Impedance Circuit. Dec. 5, 1939.

Pat. 2,181,910. Wave Amplification. Dec. 5, 1939.

Pat. 2,182,070. Switching System and Apparatus. Dec. 5, 1939.

Pat. 2,182,076. Viscous Dampener. Dec. 5, 1939.

Pat. 2,182,330. Fabricating Tubular Structures. Dec. 5, 1939.

Pat. 2,182,337. Transmission System. Dec. 5, 1939.

Pat. 2,182,340. Signaling System. Dec. 5, 1939.

Pat. 2,182,634. Printing Telegraph Apparatus. Dec. 5, 1939.

Pat. 2,182,635. Printing Telegraph Apparatus. Dec. 5, 1939.

Pat. 2,182,841. Reduction of Distortion in Signal Transmission Systems. Dec. 12, 1939.

Pat. 2,182,849. Ribbon Mount for Light Valves. Dec. 12, 1939.

Pat. 2,182,883. Cable Supporting Device. Dec. 12, 1939.

Pat. 2,182,966. Material Handling Apparatus. Dec. 12, 1939.

Pat. 2,182,968. Electrical Connections. Dec. 12, 1939.

Pat. 2,183,022. Market Quotation System. Dec. 12, 1939.

Pat. 2,183,032. Control Mechanisms. Dec. 12, 1939.

Pat. 2,183,123. Wave Filters. Dec. 12, 1939.

Pat. 2,183,140. Cross-Talk Measuring and Correcting Apparatus. Dec. 12, 1939.

Pat. 2,183,204. Electro-Optical Systems. Dec. 12, 1939.

Pat. 2,183,248. Wave Translation. Dec. 12, 1939.

Pat. 2,183,389. Indicating Circuits. Dec. 12, 1939.

Pat. 2,183,399. Ultra-Short Wave Altimeter for Aircraft. Dec. 12, 1939.

Pat. 2,183,613. Bias Transmitter. Dec. 19, 1939.

Pat. 2,183,635. Articles. Dec. 19, 1939.

Pat. 2,183,653. Control Switch. Dec. 19, 1939.

Pat. 2,183,655. Adjusting Vibrating Systems. Dec. 19, 1939.

Pat. 2,183,708. Signaling System. Dec. 19, 1939.

Pat. 2,183,713. Call Transmitter. Dec. 19, 1939.

Pat. 2,183,941. Signaling System. Dec. 19, 1939.

Pat. 2,183,945. Grounding Device for Coaxial Conductor Lines. Dec. 19, 1939.

Pat. 2,184,074. Hand Tools. Dec. 19, 1939.

Pat. 2,184,509. Manifold Forms. Dec. 26, 1939.

Pat. 2,184,525. Electro-Optical Scanning Apparatus. Dec. 26, 1939.

Pat. 2,184,729. Antenna Systems. Dec. 26, 1939.

Pat. 2,184,743. Electro-Optical Systems. Dec. 26, 1939.

Pat. 2,184,756. Electric Discharge Devices. Dec. 26, 1939.

Pat. 2,184,844. Telephone Systems. Dec. 26, 1939.

Pat. 2,184,847. Resistors. Dec. 26, 1939.

Pat. 2,184,907. Telephone Ringing System. Dec. 26, 1939.

Pat. 2,184,912. Cable and Wire Laying Machines. Dec. 26, 1939.

Pat. 2,184,916. Start-Stop Printing Telegraph Systems. Dec. 26, 1939.

Pat. 2,184,978. Carrier Current Telegraphy. Dec. 26, 1939.

Pat. 2,184,979. Signaling System. Dec. 26, 1939.

Pat. 2,185,283. Cathode Ray Discharge Devices. Jan. 2, 1940.

Pat. 2,185,287. Telephone Systems. Jan. 2, 1940.

Pat. 2,185,300. Telegraphones. Jan. 2, 1940.

Pat. 2,185,355. Reactance Devices. Jan. 2, 1940.

Pat. 2,185,374. Selective Switches. Jan. 2, 1940.

Pat. 2,185,599. Piezoelectric Apparatus. Jan. 2, 1940.

Pat. 2,185,603. Electromagnetic Device. Jan. 2, 1940.

Pat. 2,185,684. Signal Wave Modulation. Jan. 2, 1940.

Pat. 2,185,687. Carrier System With Phase Discrimination. Jan. 2, 1940.

Pat. 2,185,693. Multiplex Signaling System. Jan. 2, 1940.

Pat. 2,185,851. Signaling System. Jan. 2, 1940.

Pat. 2,185,858. Removing Gold, Silver, Palladium. Jan. 2, 1940.

Pat. 2,185,883. Strand Winding Machine. Jan. 2, 1940.

Pat. 2,186,127. Electron Discharge Devices. Jan. 9, 1940.

Pat. 2,186,130. Detecting Systems. Jan. 9, 1940.

Pat. 2,186,150. Regenerative Repeater. Jan. 9, 1940.

Pat. 2,186,217. Control of Electric Generating Apparatus. Jan. 9, 1940.

Pat. 2,186,219. Telephone Systems. Jan. 9, 1940.

Pat. 2,186,242. Telephone Systems. Jan. 9, 1940.

Pat. 2,187,028. Spring Contacts. Jan. 16, 1940.

Pat. 2,187,056. Multiple Copy Form Packet. Jan. 16, 1940.

Pat. 2,187,104. Signaling Systems. Jan. 16, 1940.

Pat. 2,187,114. Pneumatic Devices. Jan. 16, 1940.

Pat. 2,187,115. Switching Devices. Jan. 16, 1940.

Pat. 2,187,158. Telegraph Systems. Jan. 16, 1940.

Pat. 2,187,577. Switching Mechanism. Jan. 16, 1940.

Pat. 2,187,591. Electron Apparatus. Jan. 16, 1940.

Pat. 2,187,784. Telephone Systems. Jan. 23, 1940.

Pat. 2,188,154. Piezoelectric Substances and Processes for Producing Them. Jan. 23, 1940.

Pat. 2,188,159. Gas-Filled Discharge Tube Circuits. Jan. 23, 1940.

Pat. 2,188,184. Ground Potential Compensator. Jan. 23, 1940.

Pat. 2,188,659. Selector Switch Brushes. Jan. 30, 1940.

Pat. 2,188,671. Wave Amplifying Systems. Jan. 30, 1940.

Pat. 2,188,755. Multi-Conductor Signaling Cables. Jan. 30, 1940.

Pat. 2,188,758. Transmission and Reception of Frequency Modulated Waves. Jan. 30, 1940.

Pat. 2,188,940. Electron Discharge Devices. Feb. 6, 1940.

Pat. 2,189,064. Hard Lead Alloys and Methods of Making Such Alloys. Feb. 6, 1940.

Pat. 2,189,086. Material Working Apparatus. Feb. 6, 1940.

Pat. 2,189,102. Printing Telegraph Apparatus. Feb. 6, 1940.

Pat. 2,189,110. Voltage Recording Device. Feb. 6, 1940.

Pat. 2,189,111. Signal Measuring System. Feb. 6, 1940.

Pat. 2,189,119. Signal Measuring System. Feb. 6, 1940.

Pat. 2,189,302. Abrading Tools. Feb. 6, 1940.

Pat. 2,189,307. Abrading Tools. Feb. 6, 1940.

Pat. 2,189,314. Apparatus for Twisting and Reeling Material. Feb. 6, 1940.

Pat. 2,189,395. Insulated Conductors. Feb. 6, 1940.

Pat. 2,189,414. Material Treating Apparatus. Feb. 6, 1940.

Pat. 2,189,415. Material Treating Apparatus. Feb. 6, 1940.

Pat. 2,189,541. Printing Telegraph Apparatus. Feb. 6, 1940.

Pat. 2,189,546. Transmission System. Feb. 6, 1940.

Pat. 2,189,548. Remote Controls. Feb. 6, 1940.

Pat. 2,189,769. Telephone Signaling Systems. Feb. 13, 1940.

Pat. 2,189,770. Piezoelectric Controlled Oscillators. Feb. 13, 1940.

Pat. 2,189,898. Systems of Communication. Feb. 13, 1940.

Pat. 2,189,944. Telephone Call Transmitter. Feb. 13, 1940.

Pat. 2,189,993. Fire Stop for Apparatus Racks. Feb. 13, 1940.

Pat. 2,189,994. Telephone Systems. Feb. 13, 1940.

Pat. 2,190,291. Keyboard Perforator Transmitter. Feb. 13, 1940.

Pat. 2,190,295. Switching Device. Feb. 13, 1940.

Pat. 2,190,307. Designation Transmitter. Feb. 13, 1940.

Pat. 2,190,309. Keyboard Perforator. Feb. 13, 1940.

Pat. 2,190,466. Telephone Substation Apparatus. Feb. 13, 1940.

Pat. 2,190,467. Telephone Substation Apparatus. Feb. 13, 1940.

Pat. 2,190,540. Printing Telegraph System. Feb. 13, 1940.

Pat. 2,190,546. Control Circuit for Radio Receivers. Feb. 13, 1940.

Pat. 2,190,552. Gas Tube Circuits for Measuring Short-Lived Impulses. Feb. 13, 1940.

Pat. 2,190,667. Permanent Magnet Alloys. Feb. 20, 1940.

Pat. 2,190,668. Diode Oscillators. Feb. 20, 1940.

Pat. 2,190,820. Control Apparatus. Feb. 20, 1940.

Pat. 2,190,828. Casting. Feb. 20, 1940.

Pat. 2,191,065. Wave Transmission Systems. Feb. 20, 1940.

Pat. 2,191,074. Dynamo Electric Machine. Feb. 20, 1940.

Pat. 2,191,151. Magnetic Core With Constant Permeability. Feb. 20, 1940.

Pat. 2,191,167. Amplifiers. Feb. 20, 1940.

Pat. 2,191,542. Vacuum Tube Circuits. Feb. 27, 1940.

Pat. 2,191,547. Electric Wave Amplifying Systems. Feb. 27, 1940.

Pat. 2,191,624. Wiping Solders. Feb. 27, 1940.

Pat. 2,191,637. Frame Support. Feb. 27, 1940.

Pat. 2,191,798. Printing Telegraph Counting Apparatus. Feb. 27, 1940.

Pat. 2,191,803. Abrasive Material. Feb. 27, 1940.

Pat. 2,191,913. Telephone Systems. Feb. 27, 1940.

Pat. 2,192,025. Telephone Systems. Feb. 27, 1940.

Pat. 2,192,229. Assembly Apparatus. Mar. 5, 1940.

Pat. 2,192,515. Dust Separating and Collecting Device. Mar. 5, 1940.

Pat. 2,192,529. Projection Apparatus. Mar. 5, 1940.

Pat. 2,192,686. Containers. Mar. 5, 1940.

Pat. 2,192,694. Winding Machines. Mar. 5, 1940.

Pat. 2,192,961. Signaling System. Mar. 12, 1940.

Pat. 2,192,986. Variable Condensers. Mar. 12, 1940.

Pat. 2,193,087. Testing Receivers. Mar. 12, 1940.

Pat. 2,193,093. Alarm Systems. Mar. 12, 1940.

Pat. 2,193,427. Telephone Systems. Mar. 12, 1940.

Pat. 2,193,450. Wire Joining Means. Mar. 12, 1940.

Pat. 2,193,578. Electron Discharge Apparatus. Mar. 12, 1940.

Pat. 2,193,579. Electron Discharge Apparatus. Mar. 12, 1940.

Pat. 2,193,855. Ringing System. Mar. 19, 1940.

Pat. 2,193,856. Making Metallic Ribbon. Mar. 19, 1940.

Pat. 2,193,887. Strand Handling Apparatus. Mar. 19, 1940.

Pat. 2,193,967. Automatic Message Exchange System. Mar. 19, 1940.

Re. Pat. 22,723. Automatic Message Exchange System. Feb. 19, 1946. Original Pat. 2,193,967.

Pat. 2,193,970. Printing Telegraph Apparatus. Mar. 19, 1940.

Pat. 2,193,980. Electrical Coils. Mar. 19, 1940.

Pat. 2,194,295. Wood Fillers. Mar. 19, 1940.

Pat. 2,194,296. Selective Switching Device. Mar. 19, 1940.

Pat. 2,194,298. Artificial Production of Vocal or Other Sounds. Mar. 19, 1940.

Pat. 2,194,306. Telephone Calling Dial. Mar. 19, 1940.

Pat. 2,194,539. Piezoelectric Crystal Impedance Element. Mar. 26, 1940.

Pat. 2,194,543. High Frequency Network Structure. Mar. 26, 1940.

Pat. 2,194,663. Telegraphic Transmitting Device. Mar. 26, 1940.

Pat. 2,194,703. Sealing of Condensers and Similar Apparatus. Mar. 26, 1940.

Pat. 2,194,705. Testing Equipment. Mar. 26, 1940.

Pat. 2,194,918. Telegraph Systems. Mar. 26, 1940.

Pat. 2,194,933. Switchboard Cord Reels. Mar. 26, 1940.

Pat. 2,195,081. Sound Printing Mechanisms. Mar. 26, 1940.

Pat. 2,195,098. Electron Discharge Devices. Mar. 26, 1940.

Pat. 2,195,102. Treating Strands. Mar. 26, 1940.

Pat. 2,195,309. Telephone Systems. Mar. 26, 1940.

Pat. 2,195,317. Telephone Systems. Mar. 26, 1940.

Pat. 2,195,417. Vibrating Piezoelectric Relays. Apr. 2, 1940.

Pat. 2,195,439. Testing Feedback Amplifiers. Apr. 2, 1940.

Pat. 2,195,486. Electro-Optical Systems. Apr. 2, 1940.

Pat. 2,195,562. Speed Indicating Apparatus. Apr. 2, 1940.

Pat. 2,195,569. Wire Anchoring Device. Apr. 2, 1940.

Pat. 2,195,859. Reeling Systems. Apr. 2, 1940.

Pat. 2,195,864. Electro-Optical Image Producing Systems. Apr. 2, 1940.

Pat. 2,195,973. Start-Stop Repeater System. Apr. 2, 1940.

Pat. 2,196,040. Electric Discharge Devices. Apr. 2, 1940.

Pat. 2,196,049. Latch Apparatus. Apr. 2, 1940.

Pat. 2,196,173. Communication Systems. Apr. 2, 1940.

Pat. 2,196,250. Telephone System. Apr. 9, 1940.

Pat. 2,196,278. Electron Discharge Apparatus. Apr. 9, 1940.

Pat. 2,196,680. Regulated Rectifier Circuit. Apr. 9, 1940.

Pat. 2,196,844. Wave Amplifying Systems. Apr. 9, 1940.

Pat. 2,196,867. Television Image Producing Systems. Apr. 9, 1940.

Pat. 2,196,900. Take-Up Mechanisms. Apr. 9, 1940.

Pat. 2,197,041. Electron Discharge Device. Apr. 16, 1940.

Pat. 2,197,042. Electron Discharge Device. Apr. 16, 1940.

Pat. 2,197,122. Guided Wave Transmission. Apr. 16, 1940.

Pat. 2,197,123. Guided Wave Transmission. Apr. 16, 1940.

Pat. 2,197,342. Recording System. Apr. 16, 1940.

Pat. 2,197,349. Punch Support. Apr. 16, 1940.

Pat. 2,197,501. Control Circuit for High Speed Selector. Apr. 16, 1940.

Pat. 2,197,513. Loading Apparatus Case. Apr. 16, 1940.

Pat. 2,197,755. Gage. Apr. 23, 1940.

Pat. 2,197,756. Gage. Apr. 23, 1940.

Pat. 2,197,757. Gage. Apr. 23, 1940.

Pat. 2,197,844. Telephone Substation Apparatus. Apr. 23, 1940.

Pat. 2,197,868. High or Low Voltage Indicating System. Apr. 23, 1940.

Pat. 2,198,313. Strand Handling Apparatus. Apr. 23, 1940.

Pat. 2,198,326. Program Switching System. Apr. 23, 1940.

Pat. 2,198,344. Electrical Signal Repeating System. Apr. 23, 1940.

Pat. 2,198,513. Lamps. Apr. 23, 1940.

Pat. 2,198,517. Printing Telegraph Private Branch Exchange System. Apr. 23, 1940.

Pat. 2,198,550. Teletypewriter Tape Wiper. Apr. 23, 1940.

Pat. 2,198,650. Photoelectric Tubes. Apr. 30, 1940.

Pat. 2,198,684. Wave Filter. Apr. 30, 1940.

Pat. 2,198,798. Recording System. Apr. 30, 1940.

Pat. 2,198,803. Electrical Apparatus. Apr. 30, 1940.

Pat. 2,199,070. Translating Device. Apr. 30, 1940.

Pat. 2,199,080. Gain Control System. Apr. 30, 1940.

Pat. 2,199,083. Transmission of Guided Waves. Apr. 30, 1940.

Pat. 2,199,219. Terminal Block. Apr. 30, 1940.

Pat. 2,199,221. Wave Filters. Apr. 30, 1940.

Pat. 2,199,431. Telephone Signaling Systems. May 7, 1940.

Pat. 2,199,433. Optical Scanning Apparatus Using Mirror Helix. May 7, 1940.

Pat. 2,199,558. Ground Potential Compensator. May 7, 1940.

Pat. 2,199,559. Sound Picture Film. May 7, 1940.

Pat. 2,199,820. Coupling Circuits. May 7, 1940.

Pat. 2,199,824. Signaling System. May 7, 1940.

Pat. 2,199,909. Non-Sparking Electromagnetic Signaling and Switching Devices. May 7, 1940.

Pat. 2,199,921. Wave Filter. May 7, 1940.

Pat. 2,200,059. Electrical Terminal. May 7, 1940.

Pat. 2,200,063. Space Discharge Apparatus and Circuits. May 7, 1940.

Pat. 2,200,323. Strand Covering Machines. May 14, 1940.

Pat. 2,200,348. Devices for Gauging and Adjusting Springs. May 14, 1940.

Pat. 2,200,486. Removing Coatings of Nickel or the Like From a Metal Base. May 14, 1940.

Pat. 2,200,491. Manufacture of Magnetic Materials. May 14, 1940.

Pat. 2,200,559. Transmission System. May 14, 1940.

Pat. 2,200,722. Electron Discharge Devices. May 14, 1940.

Pat. 2,200,741. Electrostatic Recording and Reproducing. May 14, 1940.

Pat. 2,200,794. Electrical Connector. May 14, 1940.

Pat. 2,200,797. Electro-Responsive Light Valve. May 14, 1940.

Pat. 2,200,802. Signaling System and Apparatus Therefor. May 14, 1940.

Pat. 2,200,807. Keyboards. May 14, 1940.

Pat. 2,200,819. Measuring Systems. May 14, 1940.

Pat. 2,200,933. Strand Handling Apparatus. May 14, 1940.

Pat. 2,200,955. Core Covering Apparatus. May 14, 1940.

Pat. 2,200,961. Method of and Apparatus for Assembling Strands. May 14, 1940.

Pat. 2,201,089. Coin Collecting Apparatus. May 14, 1940.

Pat. 2,201,288. Handling Strands. May 21, 1940.

Pat. 2,201,296. Telephone Systems. May 21, 1940.

Pat. 2,201,344. Mounting Devices. May 21, 1940.

Pat. 2,201,562. Electrical Testing Apparatus. May 21, 1940.

Pat. 2,201,568. Composite Articles. May 21, 1940.

Pat. 2,201,573. Telephone System. May 21, 1940.

Pat. 2,201,879. Delay Type Piezoelectric Relays. May 21, 1940.

Pat. 2,201,880. Electron Discharge Devices. May 21, 1940.

Pat. 2,201,983. Power Supply Circuits. May 28, 1940.

Pat. 2,201,986. Telephone Systems. May 28, 1940.

Pat. 2,202,060. Alarm Systems. May 28, 1940.

Pat. 2,202,139. Magnetic Telegraphones. May 28, 1940.

Pat. 2,202,172. Control Systems. May 28, 1940.

Pat. 2,202,386. Telephone Circuits. May 28, 1940.

Pat. 2,202,391. Piezoelectric Apparatus. May 28, 1940.

Pat. 2,202,467. Artificial Larynges. May 28, 1940.

Pat. 2,202,474. Telephone Systems. May 28, 1940.

Pat. 2,202,906. Telephone Receiver. June 4, 1940.

Pat. 2,202,921. Trouble Recorder. June 4, 1940.

Pat. 2,203,004. Amplifying Apparatus. June 4, 1940.

Pat. 2,203,253. Electroplating Processes. June 4, 1940.

Pat. 2,203,258. Distributing Apparatus. June 4, 1940.

Pat. 2,203,289. Telegraph Switching Systems. June 4, 1940.

Pat. 2,203,300. Printing Telegraph Apparatus. June 4, 1940.

Pat. 2,203,321. Switching Devices. June 4, 1940.

Pat. 2,203,332. Piezoelectric Device. June 4, 1940.

Pat. 2,203,469. Test Lamp. June 4, 1940.

Pat. 2,203,486. Supporting Means for Piezoelectric Plates. June 4, 1940.

Pat. 2,203,870. Multiple Channel Electro-Optical System. June 11, 1940.

Pat. 2,204,055. Telephone Systems. June 11, 1940.

Pat. 2,204,083. Coin Collectors. June 11, 1940.

Pat. 2,204,181. Call Transmitter. June 11, 1940.

Pat. 2,204,183. Ear-Pieces. June 11, 1940.

Pat. 2,204,747. Coin Collector Apparatus. June 18, 1940.

Pat. 2,204,759. Telephone Systems. June 18, 1940.

Pat. 2,204,762. Piezoelectric Crystal Apparatus. June 18, 1940.

Pat. 2,204,765. Container. June 18, 1940.

Pat. 2,204,957. Automatic Call Recording Systems. June 18, 1940.

Pat. 2,205,071. Space Discharge Apparatus and Circuits. June 18, 1940.

Pat. 2,205,072. Space Discharge Apparatus and Circuits. June 18, 1940.

Pat. 2,205,551. Telephone Systems. June 25, 1940.

Pat. 2,205,840. Dielectric Materials. June 25, 1940.

Pat. 2,205,843. Double Balanced Modulating Systems. June 25, 1940.

Pat. 2,206,080. Transmission Control and Signaling System. July 2, 1940.

Pat. 2,206,146. Control of Transmission and Two-Way Signaling Systems. July 2, 1940.

Pat. 2,206,217. Lamp Mounting. July 2, 1940.

Pat. 2,206,224. Telephone Call Transmitters. July 2, 1940.

Pat. 2,206,385. Telephone Systems. July 2, 1940.

Pat. 2,206,410. Core for Forming Concrete Conduit. July 2, 1940.

Pat. 2,206,423. Telegraph Systems. July 2, 1940.

Pat. 2,206,452. Telegraph Testing Systems. July 2, 1940.

Pat. 2,206,453. Telegraph Testing Systems. July 2, 1940.

Pat. 2,206,538. Telephone Systems. July 2, 1940.

Pat. 2,206,544. Telephone Systems. July 2, 1940.

Pat. 2,206,547. Making Sound Films. July 2, 1940.

Pat. 2,206,659. Communication Systems. July 2, 1940.

Pat. 2,206,663. Telegraph Systems. July 2, 1940.

Pat. 2,206,896. Radiant Energy Distance Measuring System. July 9, 1940.

Pat. 2,206,903. Radiant Energy Distance Measuring System. July 9, 1940.

Pat. 2,206,923. Short Wave Radio System. July 9, 1940.

Pat. 2,206,934. Electrical Conductors. July 9, 1940.

Pat. 2,206,977. Extruding Metal Sheath or Pipe. July 9, 1940.

Pat. 2,207,253. Measuring and Indicating Circuits. July 9, 1940.

Pat. 2,207,314. Communication Systems. July 9, 1940.

Pat. 2,207,354. Electron Discharge Apparatus. July 9, 1940.

Pat. 2,207,355. Electron Discharge Devices. July 9, 1940.

Pat. 2,207,356. Electron Discharge Apparatus. July 9, 1940.

Pat. 2,207,522. Concentric Conductor Transmission Line. July 9, 1940.

Pat. 2,207,531. Four-Wire Signaling Circuits. July 9, 1940.

Pat. 2,207,703. Time-of-Day Announcing Machine. July 16, 1940.

Pat. 2,207,711. Convoy Current Timing Arrangement. July 16, 1940.

Pat. 2,207,720. Communication System. July 16, 1940.

Pat. 2,207,743. Telegraphic Transmission and Automatic Printing of Meter Readings. July 16, 1940.

Pat. 2,207,744. Coding Mechanism. July 16, 1940.

Pat. 2,207,748. Regulating System. July 16, 1940.

Pat. 2,207,808. Treating Jointed Electroplated Articles. July 16, 1940.

Pat. 2,207,827. Lock. July 16, 1940.

Pat. 2,207,841. Electric Discharge Devices. July 16, 1940.

Pat. 2,207,940. Biasing Potential Supply Circuit. July 16, 1940.

Pat. 2,207,969. Electrical Contact Protection. July 16, 1940.

Pat. 2,207,976. Amplifier Circuits. July 16, 1940.

Pat. 2,208,037. Keyboard Perforator Transmitter. July 16, 1940.

Pat. 2,208,129. Photoelectric Tubes. July 16, 1940.

Pat. 2,208,144. Variable Gain Feedback Amplifier. July 16, 1940.

Pat. 2,208,164. Registering Devices. July 16, 1940.

Pat. 2,208,168. Teletypewriter Apparatus. July 16, 1940.

Pat. 2,208,192. Teletypewriter System. July 16, 1940.

Pat. 2,208,202. Can Inspection System. July 16, 1940.

Pat. 2,208,206. Intelligence Transmitting Circuits. July 16, 1940.

Pat. 2,208,241. Electrical Timing Mechanisms. July 16, 1940.

Pat. 2,208,357. Telephone Meter Control System. July 16, 1940.

Pat. 2,208,398. Radio Receivers. July 16, 1940.

Pat. 2,208,417. Transmission System. July 16, 1940.

Pat. 2,208,617. Signal Transmission Systems. July 23, 1940.

Pat. 2,208,661. Purification of Gases by Fractional Condensation. July 23, 1940.

Pat. 2,208,665. Amplifier Circuits With Controlled Gain. July 23, 1940.

Pat. 2,208,732. Riveted Articles. July 23, 1940.

Pat. 2,208,752. Volume Limiter Circuits. July 23, 1940.

Pat. 2,208,765. Telephone Systems. July 23, 1940.

Re. Pat. 22,440. Telephone System. Feb. 22, 1944. Original Pat. 2,208,765.

Pat. 2,208,923. Volume Limiter Circuits. July 23, 1940.

Pat. 2,208,924. Telephone Systems. July 23, 1940.

Re. Pat. 22,958. Telephone System. Jan. 6, 1948. Original Pat. 2,208,924.

Pat. 2,208,927. Electro-Optical Image Production. July 23, 1940.

Pat. 2,208,953. Noise Reducing Receiving Systems. July 23, 1940.

Pat. 2,209,063. Stranding Guiding Apparatus. July 23, 1940.

Pat. 2,209,064. Measurement of Phase Shift. July 23, 1940.

Pat. 2,209,157. Educational Apparatus. July 23, 1940.

Pat. 2,209,185. Battery Units. July 23, 1940.

Pat. 2,209,199. Cathode Ray Sweep Circuits. July 23, 1940.

Pat. 2,209,382. Telephone Ringers. July 30, 1940.

Pat. 2,209,411. Article Sorting Apparatus. July 30, 1940.

Pat. 2,209,506. Telegraph Transmitting Keys. July 30, 1940.

Pat. 2,209,513. Telephone Systems. July 30, 1940.

Pat. 2,209,518. Supporting Aerial Cable. July 30, 1940.

Pat. 2,209,662. Supporting Aerial Cable. July 30, 1940.

Pat. 2,209,667. Control of Transmission in Two-Way Signaling Systems. July 30, 1940.

Pat. 2,209,751. Cutting Tool. July 30, 1940.

Pat. 2,209,762. Insulated Enclosures. July 30, 1940.

Pat. 2,209,777. Telephone Systems. July 30, 1940.

Re. Pat. 22,441. Telephone System. Feb. 22, 1944. Original Pat. 2,209,777.

Pat. 2,209,955. Wave Translation Systems. Aug. 6, 1940.

Pat. 2,210,001. Electric Wave Amplifying Systems. Aug. 6, 1940.

Pat. 2,210,028. Amplifiers. Aug. 6, 1940.

Pat. 2,210,068. Telephone Systems. Aug. 6, 1940.

Pat. 2,210,503. Wave Translation System. Aug. 6, 1940.

Pat. 2,210,520. Wire Connecting Devices. Aug. 6, 1940.

Pat. 2,210,524. Closure Means for Reels. Aug. 6, 1940.

Pat. 2,210,636. Guided Wave Transmission. Aug. 6, 1940.

Pat. 2,210,732. Regulated Rectifier System. Aug. 6, 1940.

Pat. 2,210,739. Through Supervision Systems. Aug. 6, 1940.

Pat. 2,210,878. Reels. Aug. 13, 1940.

Pat. 2,210,997. Feedback Amplifier Circuit. Aug. 13, 1940.

Pat. 2,211,020. Telephone Systems. Aug. 13, 1940.

Pat. 2,211,170. Ceramic Coated Articles. Aug. 13, 1940.

Pat. 2,211,176. Telegraphic Line Circuits. Aug. 13, 1940.

Pat. 2,211,186. Material Working Machines. Aug. 13, 1940.

Pat. 2,211,232. Station Selection by Printer Selector. Aug. 13, 1940.

Pat. 2,211,311. Heat Treating Apparatus. Aug. 13, 1940.

Pat. 2,212,132. Forming Cables. Aug. 20, 1940.

Pat. 2,212,214. Electrical Transmission Systems. Aug. 20, 1940.

Pat. 2,212,216. Telephone Sets. Aug. 20, 1940.

Pat. 2,212,290. Apparatus for Transferring Cable Circuits. Aug. 20, 1940.

Pat. 2,212,337. Electron Discharge Device Circuit. Aug. 20, 1940.

Pat. 2,212,338. Frequency Modulation. Aug. 20, 1940.

Pat. 2,212,830. Relays. Aug. 27, 1940.

Pat. 2,212,836. Condenser Dielectrics. Aug. 27, 1940.

Pat. 2,212,840. Wave Filters. Aug. 27, 1940.

Pat. 2,212,845. Generating and Transmitting Electric Currents. Aug. 27, 1940.

Pat. 2,212,929. High Power Discharge Device. Aug. 27, 1940.

Pat. 2,212,960. Signal Controlled Switching Circuits in Telephone Systems. Aug. 27, 1940.

Pat. 2,213,034. Gain Control Circuits. Aug. 27, 1940.

Pat. 2,213,037. Signal Transmission System. Aug. 27, 1940.

Pat. 2,213,105. Radio Control System. Aug. 27, 1940.

Pat. 2,213,223. Telegraph Transmitters. Sept. 3, 1940.

Pat. 2,213,320. Privacy System. Sept. 3, 1940.

Pat. 2,213,363. Lashing Cables to Supporting Strands. Sept. 3, 1940.

Pat. 2,213,397. Alloys. Sept. 3, 1940.

Pat. 2,213,398. Vacuum Tube Circuits. Sept. 3, 1940.

Pat. 2,213,475. Telegraph Transmitters. Sept. 3, 1940.

Pat. 2,213,476. Telegraph Transmitters. Sept. 3, 1940.

Pat. 2,213,511. Telephone Systems. Sept. 3, 1940.

Pat. 2,213,564. Mitigation of Intercircuit Interference. Sept. 3, 1940.

Pat. 2,213,699. Extruding Metals. Sept. 3, 1940.

Pat. 2,213,700. Testing Fixture. Sept. 3, 1940.

Pat. 2,213,703. Cable-Making Apparatus. Sept. 3, 1940.

Pat. 2,213,833. Lagging for Reels. Sept. 3, 1940.

Pat. 2,213,848. Coil Testing Apparatus. Sept. 3, 1940.

Pat. 2,213,867. Stop Counters. Sept. 3, 1940.

Pat. 2,213,938. Multiplex Signaling With Phase Discrimination. Sept. 3, 1940.

Pat. 2,213,941. Multiplex Signaling by Phase Discrimination. Sept. 3, 1940.

Pat. 2,213,991. Control of Transmission in Two-Way Telephone Systems. Sept. 10, 1940.

Re. Pat. 21,835. Transmission in Two-Way Telephone Systems. June 17, 1941. Original Pat. 2,213,991.

Pat. 2,214,016. Treating Moving Matter. Sept. 10, 1940.

Pat. 2,214,019. Electronic Switching Device. Sept. 10, 1940.

Pat. 2,214,025. Wire Forming Apparatus. Sept. 10, 1940.

Pat. 2,214,130. Measurement of Phase Change and Envelope Delay of a Transmission Line. Sept. 10, 1940.

Pat. 2,214,151. Terminal and Wire Connection. Sept. 10, 1940.

Pat. 2,214,340. Material Handling Apparatus. Sept. 10, 1940.

Pat. 2,214,624. Forming Apparatus. Sept. 10, 1940.

Pat. 2,214,625. Testing Magnetic Cores and Coils. Sept. 10, 1940.

Pat. 2,214,804. Two-Way Communication Systems. Sept. 17, 1940.

Pat. 2,214,809. Telephone Systems. Sept. 17, 1940.

Pat. 2,214,910. Start-Stop Repeater System. Sept. 17, 1940.

Pat. 2,216,337. Printing Telegraph Apparatus. Oct. 1, 1940.

Pat. 2,216,435. Composition of Matter and Electrical Conductor Cable. Oct. 1, 1940.

Pat. 2,216,464. Insulators. Oct. 1, 1940.

Pat. 2,216,532. Telephone Systems. Oct. 1, 1940.

Pat. 2,216,541. Wave Filter. Oct. 1, 1940.

Pat. 2,216,650. Telephone Line. Oct. 1, 1940.

Pat. 2,216,730. Measuring Device. Oct. 8, 1940.

Pat. 2,216,893. Concentric Conductor Transmission Line. Oct. 8, 1940.

Pat. 2,216,937. Wave Filter. Oct. 8, 1940.

Pat. 2,216,956. Resonators for Telephone Bells. Oct. 8, 1940.

Pat. 2,217,168. Electron Discharge Device. Oct. 8, 1940.

Pat. 2,217,197. Cathode Ray Device. Oct. 8, 1940.

Pat. 2,217,198. Cathode Ray Device. Oct. 8, 1940.

Pat. 2,217,205. Photoelectric Tubes. Oct. 8, 1940.

Pat. 2,217,384. Screen for Electro-Optical Device. Oct. 8, 1940.

Pat. 2,217,337. Apparatus for Treating Strands. Oct. 8, 1940.

Pat. 2,217,345. Spray Booths. Oct. 8, 1940.

Pat. 2,217,350. Tool Holders. Oct. 8, 1940.

Pat. 2,217,417. Electron Discharge Apparatus. Oct. 8, 1940.

Pat. 2,217,455. Packages. Oct. 8, 1940.

Pat. 2,217,486. Tools. Oct. 8, 1940.

Pat. 2,217,501. Safety Shields. Oct. 8, 1940.

Pat. 2,217,769. Signaling Systems. Oct. 15, 1940.

Pat. 2,217,774. Electron Discharge Apparatus. Oct. 15, 1940.

Pat. 2,217,832. Braid Covered Electric Cord and Method of Making Such a Cord. Oct. 15, 1940.

Pat. 2,217,847. Soldering Fluxes. Oct. 15, 1940.

Pat. 2,218,113. Pneumatic Printer. Oct. 15, 1940.

Pat. 2,218,118. Manufacture of Electrical Coils. Oct. 15, 1940.

Pat. 2,218,200. Piezo-Electric Apparatus. Oct. 15, 1940.

Pat. 2,218,211. Telephotography. Oct. 15, 1940.

Pat. 2,218,225. Piezo-Electric Apparatus. Oct. 15, 1940.

Pat. 2,218,328. Telephone Sets. Oct. 15, 1940.

Pat. 2,218,330. Ventilator. Oct. 15, 1940.

Pat. 2,218,482. Treating Strands. Oct. 15, 1940.

Pat. 2,218,524. Frequency Modulation System. Oct. 22, 1940.

Pat. 2,218,526. Transmission of Frequency Modulated Waves. Oct. 22, 1940.

Pat. 2,218,609. Electromagnetic Apparatus. Oct. 22, 1940.

Pat. 2,218,629. Protective Devices for Electrical Instruments. Oct. 22, 1940.

Pat. 2,218,709. Electric Circuits. Oct. 22, 1940.

Pat. 2,218,711. Electrical Switching Devices. Oct. 22, 1940.

Pat. 2,218,735. Piezoelectric Plate Holder. Oct. 22, 1940.

Pat. 2,218,921. Concentric Conductor Transmission Line. Oct. 22, 1940.

Pat. 2,218,923. Measurement of Frequency Modulated Waves. Oct. 22, 1940.

Pat. 2,219,021. Frequency Changing. Oct. 22, 1940.

Pat. 2,219,157. Electro-Responsive Device. Oct. 22, 1940.

Pat. 2,219,189. Frequency Selective Amplifier. Oct. 22, 1940.

Pat. 2,219,196. Apparatus for Handling Material. Oct 22, 1940.

Pat. 2,219,365. Electrical Resistance Devices and Methods of Manufacture Thereof. Oct. 29, 1940.

Pat. 2,219,451. Locking Devices. Oct. 29, 1940.

Pat. 2,219,459. Power Plants. Oct. 29, 1940.

Pat. 2,219,749. Single Side-Band Diversity Radio Receiving System. Oct. 29, 1940.

Pat. 2,219,751. Single Side-Band Diversity Radio Receiving System. Oct. 29, 1940.

Pat. 2,219,867. Distributing Strands. Oct. 29, 1940.

Pat. 2,219,888. Extruding Apparatus. Oct. 29, 1940.

Pat. 2,219,904. Telegraph Transmitters. Oct. 29, 1940.

Pat. 2,220,088. Reed Type Voice Frequency Generators. Nov. 5, 1940.

Pat. 2,220,143. Electromagnetic Switching Devices. Nov. 5, 1940.

Pat. 2,220,168. Coin Collection Apparatus. Nov. 5, 1940.

Pat. 2,220,256. Coil Winding Machines. Nov. 5, 1940.

Pat. 2,220,364. Printing Telegraph Apparatus. Nov. 5, 1940.

Pat. 2,220,379. Magnetron Telegraphic Repeater. Nov. 5, 1940.

Pat. 2,220,563. Measuring Apparatus. Nov. 5, 1940.

Pat. 2,220,574. Clarifying Liquid. Nov. 5, 1940.

Pat. 2,220,883. Circuit Controller. Nov. 12, 1940.

Pat. 2,220,885. Record Projector. Nov. 12, 1940.

Pat. 2,220,889. Communication Systems. Nov. 12, 1940.

Pat. 2,220,931. Telegraph System. Nov. 12, 1940.

Pat. 2,220,942. Acoustic Devices. Nov. 12, 1940.

Pat. 2,220,961. Soldering Alloys. Nov. 12, 1940.

Pat. 2,220,983. Apparatus for Power Flow Control. Nov. 12, 1940.

Pat. 2,221,129. Telegraph Distortion Measuring System. Nov. 12, 1940.

Pat. 2,221,136. Telegraph System. Nov. 12, 1940.

Pat. 2,221,390. Apparatus for and a Method of Making Coils. Nov. 12, 1940.

Pat. 2,221,543. Material Handling Apparatus. Nov. 12, 1940.

Pat. 2,221,555. Covering Cores. Nov. 12, 1940.

Pat. 2,221,556. Electrical Connector Apparatus. Nov. 12, 1940.

Pat. 2,221,833. System for Measuring Contact Rebounding. Nov. 19, 1940.

Pat. 2,221,836. Strand Handling Apparatus. Nov. 19, 1940.

Pat. 2,221,956. Sound Recording Compositions. Nov. 19, 1940.

Pat. 2,222,248. Ringing System. Nov. 19, 1940.

Pat. 2,222,254. Testing Apparatus. Nov. 19, 1940.

Pat. 2,222,286. Handling Strands. Nov. 19, 1940.

Pat. 2,222,287. Handling Strands. Nov. 19, 1940.

Pat. 2,222,288. Cover Forming Apparatus. Nov. 19, 1940.

Pat. 2,222,417. Wave Filter. Nov. 19, 1940.

Pat. 2,222,425. Magnetic Structure. Nov. 19, 1940.

Pat. 2,222,652. Suspending Aerial Cable. Nov. 26, 1940.

Pat. 2,222,672. Communication Switching Systems. Nov. 26, 1940.

Pat. 2,222,688. Vibratory Frequency Controlling Devices. Nov. 26, 1940.

Pat. 2,223,049. Duplex Radio System. Nov. 26, 1940.

Pat. 2,223,161. Negative Feedback Amplifier Circuit. Nov. 26, 1940.

Pat. 2,223,167. Electric Wave Amplifiers. Nov. 26, 1940.

Pat. 2,223,200. Telephone Repeater Control Circuits. Nov. 26, 1940.

Pat. 2,223,224. Radio Speed and Drift Indicator. Nov. 26, 1940.

Pat. 2,223,506. Wave Amplification. Dec. 3, 1940.

Pat. 2,223,521. High Frequency System. Dec. 3, 1940.

Pat. 2,223,587. Piezoelectric Crystal Apparatus. Dec. 3, 1940.

Pat. 2,223,736. Transmission Circuits. Dec. 3, 1940.

Pat. 2,223,815. Magnetic Gages. Dec. 3, 1940.

Pat. 2,223,954. Assembling Strands. Dec. 3, 1940.

Pat. 2,224,001. Handling Strand Material. Dec. 3, 1940.

Pat. 2,224,183. Telegraph Transmitting Systems. Dec. 10, 1940.

Pat. 2,224,192. Power Transmitting Mechanism. Dec. 10, 1940.

Pat. 2,224,250. Communication Systems. Dec. 10, 1940.

Pat. 2,224,251. Telephone Systems. Dec. 10, 1940.

Pat. 2,224,275. Producing a Current. Dec. 10, 1940.

Pat. 2,224,277. Antenna Selector Switch. Dec. 10, 1940.

Pat. 2,224,288. Electrical Condensers. Dec. 10, 1940.

Pat. 2,224,302. Metal Forming Tool. Dec. 10, 1940.

Pat. 2,224,546. Printing Telegraph. Dec. 10, 1940.

Pat. 2,224,569. Control of Transmission in Two-Way Signaling Systems. Dec. 10, 1940.

Pat. 2,224,580. Modulation System. Dec. 10, 1940.

Pat. 2,224,673. Amplifying Systems. Dec. 10, 1940.

Pat. 2,224,677. Signaling System. Dec. 10, 1940.

Pat. 2,224,696. Telephone Systems. Dec. 10, 1940.

Pat. 2,224,883. Record Projector. Dec. 17, 1940.

Pat. 2,224,905. Mechanical Motion. Dec. 17, 1940.

Pat. 2,224,913. Material Handling Apparatus. Dec. 17, 1940.

Pat. 2,225,057. Light Fixture for Telephone Booths. Dec. 17, 1940.

Pat. 2,225,076. Material Handling Apparatus. Dec. 17, 1940.

Pat. 2,225,305. Telephone Systems. Dec. 17, 1940.

Pat. 2,225,312. Acoustic Devices. Dec. 17, 1940.

Pat. 2,225,410. Computing System. Dec. 17, 1940.

Pat. 2,225,478. Telephone Systems. Dec. 17, 1940.

Pat. 2,225,488. Impulse Translating Apparatus. Dec. 17, 1940.

Pat. 2,225,646. Selector Switch Brushes. Dec. 24, 1940.

Pat. 2,225,648. Printing Telegraph Systems. Dec. 24, 1940.

Pat. 2,225,653. Compensations for Variations in Phase Change. Dec. 24, 1940.

Pat. 2,225,657. Telegraph Message Classification System. Dec. 24, 1940.

Pat. 2,225,688. Telephone Testing Circuit. Dec. 24, 1940.

Pat. 2,225,697. Modulation. Dec. 24, 1940.

Pat. 2,225,853. Making Grids. Dec. 24, 1940.

Pat. 2,225,887. Signaling System. Dec. 24, 1940.

Pat. 2,225,907. Ringing Current Supply Systems. Dec. 24, 1940.

Pat. 2,225,928. Multiple Unit Steerable Antenna Systems. Dec. 24, 1940.

Pat. 2,226,238. Coupling Circuit. Dec. 24, 1940.

Pat. 2,226,258. Grid Bias Modulating Systems. Dec. 24, 1940.

Pat. 2,226,934. Acoustic Device. Dec. 24, 1940.

Pat. 2,226,944. Methods of Bonding Dissimilar Metals. Dec. 31, 1940.

Pat. 2,226,952. Switching Circuits. Dec. 31, 1940.

Pat. 2,227,048. Negative Feed-Back Amplifier. Dec. 31, 1940.

Pat. 2,227,093. Electron Discharge Devices. Dec. 31, 1940.

Pat. 2,227,112. Non-Gravitational Governor. Dec. 31, 1940.

Pat. 2,227,141. Page Printer. Dec. 31, 1940.

Pat. 2,227,268. Piezoelectric Apparatus. Dec. 31, 1940.

Pat. 2,227,380. Routine Testing Circuits. Dec. 31, 1940.

Pat. 2,227,487. Concentric Line Coupling. Jan. 7, 1941.

Pat. 2,227,488. Telephone Systems. Jan. 7, 1941.

Pat. 2,227,904. Piezoelectric Crystal Apparatus. Jan. 7, 1941.

Pat. 2,227,909. Electron Discharge Apparatus. Jan. 7, 1941.

Pat. 2,228,071. Volume Control Circuits. Jan. 7, 1941.

Pat. 2,228,113. Selective Systems. Jan. 7, 1941.

Pat. 2,228,245. Work Feeding Apparatus. Jan. 14, 1941.

Pat. 2,228,266. Signal Translating Apparatus. Jan. 14, 1941.

Pat. 2,228,279. Teletypewriter Exchange System. Jan. 14, 1941.

Pat. 2,228,285. Rectifier Circuits. Jan. 14, 1941.

Pat. 2,228,341. Wiping Die. Jan. 14, 1941.

Pat. 2,228,641. Jack Seals. Jan. 14, 1941.

Pat. 2,228,716. Printing Telegraph Apparatus. Jan. 14, 1941.

Pat. 2,228,866. Volume Control Circuits. Jan. 14, 1941.

Pat. 2,228,890. Telegraph Exchange Systems. Jan. 14, 1941.

Pat. 2,229,089. Switching of Spare Channel. Jan. 21, 1941.

Pat. 2,229,090. Switching of Spare Repeater Sections. Jan. 21, 1941.

Pat. 2,229,108. Switching of Spare Repeater Sections. Jan. 21, 1941.

Pat. 2,229,158. Switching of Spare Repeater Sections. Jan. 21, 1941.

Pat. 2,229,662. Forming Strand Assemblies. Jan. 28, 1941.

Pat. 2,229,696. Recording Apparatus. Jan. 28, 1941.

Pat. 2,229,722. Reels. Jan. 28, 1941.

Pat. 2,229,748. Measuring Apparatus. Jan. 28, 1941.

Pat. 2,229,956. Electrical Switch. Jan. 28, 1941.

Pat. 2,229,988. Control Apparatus. Jan. 28, 1941.

Pat. 2,230,081. Printing Telegraph Counting Apparatus. Jan. 28, 1941.

Pat. 2,230,104. Acoustic Device. Jan. 28, 1941.

Pat. 2,230,228. Manufacture of Magnetic Cores. Feb. 4, 1941.

Pat. 2,230,256. Wave Amplifying Systems. Feb. 4, 1941.

Pat. 2,230,347. Handling Strands. Feb. 4, 1941.

Pat. 2,230,352. Coin Chutes. Feb. 4, 1941.

Pat. 2,230,357. Telephone Systems. Feb. 4, 1941.

Pat. 2,230,364. Inductance Devices. Feb. 4, 1941.

Pat. 2,230,360. Multiway Telephone Circuits. Feb. 4, 1941.

Pat. 2,230,363. Winding Machines. Feb. 4, 1941.

Pat. 2,230,435. Orientation Automatic Adjusting. Feb. 4, 1941.

Pat. 2,230,463. Printing Telegraph Apparatus. Feb. 4, 1941.

Pat. 2,230,558. Electron Discharge Apparatus. Feb. 4, 1941.

Pat. 2,230,562. Signaling Systems. Feb. 4, 1941.

Pat. 2,230,645. Drill. Feb. 4, 1941.

Pat. 2,230,649. Variable Electric Capacity Devices. Feb. 4, 1941.

Pat. 2,230,838. Clutch Controlling Apparatus. Feb. 4, 1941.

Pat. 2,230,840. Making Extruded Articles. Feb. 4, 1941.

Pat. 2,231,084. Acoustic Devices. Feb. 11, 1941.

Pat. 2,231,085. Method and Apparatus for Measuring Force Factors. Feb. 11, 1941.

Pat. 2,231,365. Switching Devices. Feb. 11, 1941.

Pat. 2,231,374. Negative Feedback Amplifier. Feb. 11, 1941.

Pat. 2,231,375. Multiplex Telegraph System. Feb. 11, 1941.

Pat. 2,231,404. Electromechanical Wave Filters. Feb. 11, 1941.

Pat. 2,231,527. Transmission Regulation. Feb. 11, 1941.

Pat. 2,231,538. Transmission Control. Feb. 11, 1941.

Pat. 2,231,542. Transmission Control Circuit. Feb. 11, 1941.

Pat. 2,231,558. Signal Transmission. Feb. 11, 1941.

Pat. 2,231,602. Multiplex High Frequency Signaling. Feb. 11, 1941.

Pat. 2,231,634. Variable Frequency Wave Producing Means. Feb. 11, 1941.

Pat. 2,231,636. Radio Receiver Control Systems. Feb. 11, 1941.

Pat. 2,231,906. Calculating Span Clearance Rule. Feb. 18, 1941.

Pat. 2,231,910. Cable Making Apparatus. Feb. 18, 1941.

Pat. 2,231,919. Grappling Device. Feb. 18, 1941.

Pat. 2,231,962. Means for Suspending Aerial Cable. Feb. 18, 1941.

Pat. 2,232,045. Article Handling Apparatus. Feb. 18, 1941.

Pat. 2,232,085. Insulated Electric Conductors. Feb. 18, 1941.

Pat. 2,232,155. Printing Telegraph Apparatus. Feb. 18, 1941.

Pat. 2,232,179. Transmission of Guided Waves. Feb. 18, 1941.

Pat. 2,232,362. Selective Signaling System. Feb. 18, 1941.

Pat. 2,232,371. Telephone Systems. Feb. 18, 1941.

Pat. 2,232,375. Motor Fan Mounting. Feb. 18, 1941.

Pat. 2,232,398. Telephone Substation Circuit. Feb. 18, 1941.

Pat. 2,232,500. Strand Handling Device. Feb. 18, 1941.

Pat. 2,232,524. Making an Extensible Retractile Cord. Feb. 18, 1941.

Pat. 2,232,534. Material Feeding Device. Feb. 18, 1941.

Pat. 2,232,642. Loading Systems. Feb. 18, 1941.

Pat. 2,232,779. Testing Bone Conduction. Feb. 25, 1941.

Pat. 2,232,792. Measuring Impedances. Feb. 25, 1941.

Pat. 2,232,801. Signaling Systems. Feb. 25, 1941.

Pat. 2,232,858. Frequency Meter. Feb. 25, 1941.

Pat. 2,232,866. Signaling Systems. Feb. 25, 1941.

Pat. 2,232,891. Condenser Telephone Transmitter Circuit. Feb. 25, 1941.

Pat. 2,232,912. Three Element Carrier Code Arrangement. Feb. 25, 1941.

Pat. 2,233,056. Teletypewriter Switching Systems. Feb. 25, 1941.

Pat. 2,233,061. Control of Distortion. Feb. 25, 1941.

Pat. 2,233,106. Cable Sheathing Machine. Feb. 25, 1941.

Pat. 2,233,107. Wire Guides and Terminal Connectors. Feb. 25, 1941.

Pat. 2,233,282. Telephone Systems. Feb. 25, 1941.

Pat. 2,233,384. Radio Receivers. Feb. 25, 1941.

Pat. 2,233,473. Reduction of Modulation. Mar. 4, 1941.

Pat. 2,233,487. Gain Control Circuits. Mar. 4, 1941.

Pat. 2,233,621. Pole Piece Assembly for Telegraphones. Mar. 4, 1941.

Pat. 2,233,667. Printing Telegraph Apparatus. Mar. 4, 1941.

Pat. 2,233,668. Printing Telegraph Apparatus. Mar. 4, 1941.

Pat. 2,233,848. Audiphones. Mar. 4, 1941.

Pat. 2,233,860. Modulating System. Mar. 4, 1941.

Pat. 2,233,876. Electro-Optical System. Mar. 4, 1941.

Pat. 2,233,884. Thermal Switches. Mar. 4, 1941.

Pat. 2,233,886. Acoustic Devices. Mar. 4, 1941.

Pat. 2,234,213. Tone Signal Sources for Telephone Signaling Systems. Mar. 11, 1941.

Pat. 2,234,232. Welding Apparatus. Mar. 11, 1941.

Pat. 2,234,272. Testing Circuits. Mar. 11, 1941.

Pat. 2,234,287. Material Handling Apparatus. Mar. 11, 1941.

Pat. 2,234,340. Forming Metal. Mar. 11, 1941.

Pat. 2,234,342. Article Handling Apparatus. Mar. 11, 1941.

Pat. 2,234,353. Electrical Insulating Materials. Mar. 11, 1941.

Pat. 2,234,576. Casings for Electrical Apparatus. Mar. 11, 1941.

Pat. 2,234,586. Article Coating Machines. Mar. 11, 1941.

Pat. 2,234,587. Radio Direction Finding Systems. Mar. 11, 1941.

Pat. 2,234,671. Insulated Core. Mar. 11, 1941.

Pat. 2,234,687. Balanced Vacuum Tube Circuit. Mar. 11, 1941.

Pat. 2,234,690. Inverted Oscillators. Mar. 11, 1941.

Pat. 2,234,832. Photo-Electric Transmitter. Mar. 11, 1941.

Pat. 2,235,007. Signal Transmission Systems. Mar. 18, 1941.

Pat. 2,235,010. Ultra-Short Wave Transmitting and Receiving System. Mar. 18, 1941.

Pat. 2,235,126. Magnetic Telegraphones. Mar. 18, 1941.

Pat. 2,235,132. Magnetic Telegraphone. Mar. 18, 1941.

Pat. 2,235,153. Chain Start Circuit. Mar. 18, 1941.

Pat. 2,235,411. Regenerative Repeater. Mar. 18, 1941.

Pat. 2,235,425. Electromagnetic Cores. Mar. 18, 1941.

Pat. 2,235,491. Regulator System. Mar. 18, 1941.

Pat. 2,235,506. Ultra-Short Wave Radio Systems. Mar. 18, 1941.

Pat. 2,235,521. Frequency Indicator. Mar. 18, 1941.

Pat. 2,235,648. Telephone Coin Collectors. Mar. 18, 1941.

Pat. 2,235,667. Relaxation Oscillator. Mar. 18, 1941.

Pat. 2,235,678. Mounting Attachments for Telephone Instruments. Mar. 18, 1941.

Pat. 2,235,808. Telephone Systems. Mar. 18, 1941.

Pat. 2,235,890. Telephone Systems. Mar. 25, 1941.

Pat. 2,235,896. Communication Cable Apparatus Mounting. Mar. 25, 1941.

Pat. 2,235,910. Telephone Systems. Mar. 25, 1941.

Pat. 2,236,010. Article Handling Apparatus. Mar. 25, 1941.

Pat. 2,236,012. Electron Discharge Devices. Mar. 25, 1941.

Pat. 2,236,041. Electron Discharge Devices. Mar. 25, 1941.

Pat. 2,236,157. Contact Chatter Measuring Device. Mar. 25, 1941.

Pat. 2,236,172. Electro-Optical Systems. Mar. 25, 1941.

Pat. 2,236,183. Apparatus for Knitting. Mar. 25, 1941.

Pat. 2,236,232. Exhausting Apparatus. Mar. 25, 1941.

Pat. 2,236,246. Telephone Systems. Mar. 25, 1941.

Pat. 2,236,374. Remote Indication and Control. Mar. 25, 1941.

Pat. 2,236,392. Concrete Compacting Tool. Mar. 25, 1941.

Pat. 2,236,393. Directional Antennas. Mar. 25, 1941.

Pat. 2,236,499. Telephone Systems. Apr. 1, 1941.

Pat. 2,236,509. Optical Mounting. Apr. 1, 1941.

Pat. 2,236,524. Communication System. Apr. 1, 1941.

Pat. 2,236,568. Receiver Cap Acoustic Filter. Apr. 1, 1941.

Pat. 2,236,571. Coin Collectors. Apr. 1, 1941.

Pat. 2,236,583. Measuring Device. Apr. 1, 1941.

Pat. 2,236,661. Control of Space Discharge Apparatus. Apr. 1, 1941.

Pat. 2,236,663. Typewheel Teletypewriter. Apr. 1, 1941.

Pat. 2,236,684. Inductive Device. Apr. 1, 1941.

Pat. 2,236,690. Negative Impedance Circuit. Apr. 1, 1941.

Pat. 2,236,856. Modulating System. Apr. 1, 1941.

Pat. 2,236,893. Radiant Energy Distance Determining System. Apr. 1, 1941.

Re. Pat. 21,955. Radiant Energy Distance Determining System. Nov. 25, 1941. Original Pat. 2,236,893.

Pat. 2,236,978. Telephone Substation Apparatus. Apr. 1, 1941.

Pat. 2,236,977. Testing of Electronic Discharge Devices. Apr. 1, 1941.

Pat. 2,237,135. Relaxation Oscillators. Apr. 1, 1941.

Pat. 2,237,154. Telegraph Exchange System. Apr. 1, 1941.

Pat. 2,237,323. Resistance Devices. Apr. 8, 1941.

Pat. 2,237,326. Measuring Acceleration. Apr. 8, 1941.

Pat. 2,237,378. Assembled Gauge. Apr. 8, 1941.

Pat. 2,237,413. Telephone Systems. Apr. 8, 1941.

Pat. 2,237,419. Telephone System. Apr. 8, 1941.

Pat. 2,237,473. Teletypewriter Switching System. Apr. 8, 1941.

Pat. 2,237,474. Device for Repairing Cable Terminal Binding Posts. Apr. 8, 1941.

Pat. 2,237,492. Electrical Network. Apr. 8, 1941.

Pat. 2,237,498. Telegraph System. Apr. 8, 1941.

Pat. 2,237,648. Apparatus for Heat Treating Articles. Apr. 8, 1941.

Pat. 2,237,659. Apparatus for Heat Treating Articles. Apr. 8, 1941.

Pat. 2,237,666. Testing Apparatus. Apr. 8, 1941.

Pat. 2,237,742. Telephone System. Apr. 8, 1941.

Pat. 2,237,752. Headset. Apr. 8, 1941.

Pat. 2,237,767. Registering System. Apr. 8, 1941.

Pat. 2,237,899. Speech Wave Detecting Circuits. Apr. 8, 1941.

Pat. 2,237,906. Telephone Systems. Apr. 8, 1941.

Pat. 2,237,929. Automatic Balancing System. Apr. 8, 1941.

Pat. 2,237,951. Motor Control and Phasing. Apr. 8, 1941.

Pat. 2,238,028. Telegrad. Apr. 15, 1941.

Pat. 2,238,070. Broadcast Switching Systems. Apr. 15, 1941.

Pat. 2,238,090. Printing Telegraph Apparatus. Apr. 15, 1941.

Pat. 2,238,126. Trouble Recorder. Apr. 15, 1941.

Pat. 2,238,142. Teletypewriter Switching System. Apr. 15, 1941.

Pat. 2,238,458. Switching Mechanism. Apr. 15, 1941.

Pat. 2,238,469. Signaling Systems. Apr. 15, 1941.

Pat. 2,238,555. Voice Operated Mechanism. Apr. 15, 1941.

Pat. 2,238,601. Telephotography. Apr. 15, 1941.

Pat. 2,239,378. Knitting Machines. Apr. 22, 1941.

Pat. 2,239,400. Control Apparatus. Apr. 22, 1941.

Pat. 2,239,406. Knitting Machines. Apr. 22, 1941.

Pat. 2,239,524. Recording Apparatus. Apr. 22, 1941.

Pat. 2,239,702. Synchronizing System. Apr. 29, 1941.

Pat. 2,239,721. Printing Telegraph Apparatus. Apr. 29, 1941.

Pat. 2,239,770. Electrically Conductive Devices. Apr. 29, 1941.

Pat. 2,239,771. Electrically Conductive Devices. Apr. 29, 1941.

Pat. 2,239,775. Radio Communication. Apr. 29, 1941.

Pat. 2,239,892. Computing Systems. Apr. 29, 1941.

Pat. 2,240,039. Selector Switches. Apr. 29, 1941.

Pat. 2,240,058. Article of Manufacture. Apr. 29, 1941.

Pat. 2,240,140. Distortion Reduction in Wave Transmission. Apr. 29, 1941.

Pat. 2,240,142. Wave Filter. Apr. 29, 1941.

Pat. 2,240,286. Amplifiers. Apr. 29, 1941.

Pat. 2,240,306. Electromechanical Filters. Apr. 29, 1941.

Pat. 2,240,309. Piezoelectric Crystal Apparatus. Apr. 29, 1941.

Pat. 2,240,486. Compositions for Use in Printing. May 6, 1941.

Pat. 2,240,579. Flexible Conductors. May 6, 1941.

Pat. 2,240,589. Relays. May 6, 1941.

Pat. 2,240,685. Cutting Tool. May 6, 1941.

Pat. 2,240,686. Fluid Driver Motor. May 6, 1941.

Pat. 2,240,929. Testing Apparatus . May 6, 1941.

Pat. 2,240,941. Oscillation Sources of the Spark Discharge Gas Type. May 6, 1941.

Pat. 2,240,974. Holder for Paper Sheets. May 6, 1941.

Pat. 2,241,016. Telephone Systems. May 6, 1941.

Pat. 2,241,031. Telephone System. May 6, 1941.

Pat. 2,241,228. Coating Machine. May 6, 1941.

Pat. 2,241,256. Circuit for Cathode Ray Tube. May 6, 1941.

Pat. 2,241,258. Teletypewriter Switching Systems. May 6, 1941.

Pat. 2,241,271. Telegraph Transmitter. May 6, 1941.

Pat. 2,241,357. Paper Tear-Off Device for Typing Apparatus. May 6, 1941.

Pat. 2,241,441. Manufacture of Magnetic Bodies. May 13, 1941.

Pat. 2,241,452. Coin Collector Apparatus. May 13, 1941.

Pat. 2,241,456. Screw Slotting Apparatus. May 13, 1941.

Pat. 2,241,543. Extrusion Apparatus. May 13, 1941.

Pat. 2,241,591. Calculating Machines. May 13, 1941.

Pat. 2,241,761. Electrical Coils and a Method of Making the Same. May 13, 1941.

Pat. 2,241,784. Tools. May 13, 1941.

Pat. 2,241,794. Clamping or Compressing Apparatus. May 13, 1941.

Pat. 2,241,880. Wiring Electrical Units. May 13, 1941.

Pat. 2,241,882. Designation Strips. May 13, 1941.

Pat. 2,241,921. Clamping Members. May 13, 1941.

Pat. 2,242,272. Power Transmitting Device. May 20, 1941.

Pat. 2,242,284. Mechanical Amplifiers. May 20, 1941.

Pat. 2,242,285. Telephone System. May 20, 1941.

Pat. 2,242,324. Testing Device. May 20, 1941.

Pat. 2,242,397. Telephone Systems. May 20, 1941.

Pat. 2,242,640. Telephone Systems. May 20, 1941.

Pat. 2,242,755. Acoustic Devices. May 20, 1941.

Pat. 2,242,756. Piezoelectric Devices. May 20, 1941.

Pat. 2,242,757. Piezoelectric Devices. May 20, 1941.

Pat. 2,242,776. Telephone Systems. May 20, 1941.

Pat. 2,242,791. Radio Receiving System. May 20, 1941.

Pat. 2,242,878. Design of Broad Band Repeaters. May 20, 1941.

Pat. 2,243,089. Artificial Production of Vocal or Other Sounds. May 27, 1941.

Pat. 2,243,090. Sound Record. May 27, 1941.

Pat. 2,243,214. Frequency Modulation Receiver. May 27, 1941.

Pat. 2,243,215. Regenerative Impulse Repeaters. May 27, 1941.

Pat. 2,243,399. Contact Operating Devices. May 27, 1941.

Pat. 2,243,426. Ultra-High Frequency Systems. May 27, 1941.

Pat. 2,243,525. Production of Artificial Speech. May 27, 1941.

Pat. 2,243,526. Production of Artificial Speech. May 27, 1941.

Pat. 2,243,527. Production of Artificial Speech. May 27, 1941.

Pat. 2,243,835. Die Casting Machines. June 3, 1941.

Pat. 2,243,836. Magnetizing Apparatus. June 3, 1941.

Pat. 2,243,837. Winding Electrical Coils. June 3, 1941.

Pat. 2,243,851. Wire Line Transmission. June 3, 1941.

Pat. 2,243,907. Amplifying Circuit. June 3, 1941.

Pat. 2,243,911. Alternating Current Relay. June 3, 1941.

Pat. 2,244,004. Telephone Systems. June 3, 1941.

Pat. 2,244,013. Electric Circuits. June 3, 1941.

Pat. 2,244,041. Transmission Measuring System. June 3, 1941.

Pat. 2,244,058. Interrupter Circuit. June 3, 1941.

Pat. 2,244,074. Reversible Line Feed for Teletypewriters. June 3, 1941.

Pat. 2,244,318. Electron Discharge Devices. June 3, 1941.

Pat. 2,244,338. Contact Chatter Indicator. June 3, 1941.

Pat. 2,244,500. Telephone Systems. June 3, 1941.

Pat. 2,244,513. Sweep Circuit for Cathode Ray Oscillograph. June 3, 1941.

Pat. 2,244,566. Telegraph Test Boards. June 3, 1941.

Pat. 2,244,596. Automatic Telephone System. June 3, 1941.

Pat. 2,244,597. Telegraph Systems. June 3, 1941.

Pat. 2,244,609. Calling Device. June 3, 1941.

Pat. 2,244,700. Telephone Systems. June 10, 1941.

Pat. 2,245,018. Apparatus Actuating Means. June 10, 1941.

Pat. 2,245,029. Mixing Device. June 10, 1941.

Pat. 2,245,159. Electron Discharge Apparatus. June 10, 1941.

Pat. 2,245,160. Telephone Systems. June 10, 1941.

Pat. 2,245,364. Cathode Ray Device. June 10, 1941.

Pat. 2,245,391. Polarized Relays. June 10, 1941.

Pat. 2,245,565. Wave Translating Systems. June 17, 1941.

Pat. 2,245,581. Electron Discharge Devices. June 17, 1941.

Pat. 2,245,598. Wave Translation Systems. June 17, 1941.

Pat. 2,245,599. Feedback Amplifiers. June 17, 1941.

Pat. 2,245,605. Electron Multipliers. June 17, 1941.

Pat. 2,245,607. Printing Telegraph Systems and Apparatus. June 17, 1941.

Pat. 2,245,614. Electron Discharge Devices. June 17, 1941.

Pat. 2,245,624. Electron Discharge Apparatus. June 17, 1941.

Pat. 2,245,660. Radio System. June 17, 1941.

Pat. 2,245,666. Mortar Bandages. June 17, 1941.

Pat. 2,245,732. Stop Mechanisms. June 17, 1941.

Pat. 2,245,814. Coin Collector Apparatus. June 17, 1941.

Pat. 2,245,859. Cleaning Electrical and Associated Equipment. June 17, 1941.

Pat. 2,246,046. Timing Mechanisms. June 17, 1941.

Pat. 2,246,058. Compensation for Variations in Phase Change. June 17, 1941.

Pat. 2,246,064. Electrical Contact Protection. June 17, 1941.

Pat. 2,246,119. Telephone Party Line Working. June 17, 1941.

Pat. 2,246,143. Forming Coils. June 17, 1941.

Pat. 2,246,149. Continuously Applying Insulating Material to a Strand. June 17, 1941.

Pat. 2,246,286. Cable Plug. June 17, 1941.

Pat. 2,246,307. Signal Transmission Lines. June 17, 1941.

Pat. 2,246,328. Asymmetrical Conductors and Methods of Making the Same. June 17, 1941.

Pat. 2,246,505. Control System. June 24, 1941.

Pat. 2,246,534. Alternating Current Wave Production. June 24, 1941.

Pat. 2,246,576. Machine Ringing Systems. June 24, 1941.

Pat. 2,246,585. Soldering Copper Stand. June 24, 1941.

Pat. 2,246,590. Telephone Coin Collector. June 24, 1941.

Pat. 2,246,655. Tape Splicer. June 24, 1941.

Pat. 2,246,688. Automatic Frequency Control. June 24, 1941.

Pat. 2,246,697. Telephone Call Transmitter. June 24, 1941.

Pat. 2,246,698. Call Transmitter Devices. June 24, 1941.

Pat. 2,246,919. Latching Devices. June 24, 1941.

Pat. 2,246,952. Signaling System. June 24, 1941.

Pat. 2,246,955. Receptacles. June 24, 1941.

Pat. 2,247,027. Dialing Tools. June 24, 1941.

Pat. 2,247,028. Telephone Booth Cooling Apparatus. June 24, 1941.

Pat. 2,247,055. Telephone Systems. June 24, 1941.

Pat. 2,247,214. Oscillograph Apparatus. June 24, 1941.

Pat. 2,247,328. Receiving Circuit for a Signaling System. June 24, 1941.

Pat. 2,247,408. Printing Telegraph Apparatus. July 1, 1941.

Pat. 2,247,493. Mercury Contact Relays. July 1, 1941.

Pat. 2,247,507. Telephone Systems. July 1, 1941.

Pat. 2,247,559. Wiping Solders. July 1, 1941.

Pat. 2,247,646. Terminal Block. July 1, 1941.

Pat. 2,247,662. Radiant Energy Distance Measuring System. July 1, 1941.

Pat. 2,247,666. Directional Antenna Systems. July 1, 1941.

Pat. 2,247,737. Inspection Apparatus. July 1, 1941.

Pat. 2,247,745. Magnetizers. July 1, 1941.

Pat. 2,247,761. Engraving Machines. July 1, 1941.

Pat. 2,247,936. Apparatus Casing. July 1, 1941.

Pat. 2,247,960. Tuning Forks. July 1, 1941.

Pat. 2,248,040. Telephone Systems. July 8, 1941.

Pat. 2,248,044. Transposition Insulator. July 8, 1941.

Pat. 2,248,057. Electrical Cutting Device. July 8, 1941.

Pat. 2,248,096. Testing Circuit. July 8, 1941.

Pat. 2,248,097. Printing Telegraph Apparatus. July 8, 1941.

Pat. 2,248,146. Telephone Systems. July 8, 1941.

Pat. 2,248,212. Telephone Systems. July 8, 1941.

Pat. 2,248,215. Radio Direction and Distance Indicating Systems and Methods. July 8, 1941.

Pat. 2,248,250. Single Side Band Modulation. July 8, 1941.

Pat. 2,248,545. Contact Testing Devices. July 8, 1941.

Pat. 2,248,566. Telephone Systems. July 8, 1941.

Pat. 2,248,569. Magnetic Micrometer. July 8, 1941.

Pat. 2,248,583. Code Translating Mechanism. July 8, 1941.

Pat. 2,248,746. Signal Wave Transmission System. July 8, 1941.

Pat. 2,248,776. Wave Filter. July 8, 1941.

Pat. 2,248,810. Telephone Booths. July 8, 1941.

Pat. 2,248,923. Communication Systems. July 15, 1941.

Pat. 2,248,985. Electro-Optical Apparatus. July 15, 1941.

Pat. 2,248,986. Electro-Optical Systems. July 15, 1941.

Pat. 2,248,995. Telephone Systems. July 15, 1941.

Pat. 2,249,040. Printing Telegraph Apparatus. July 15, 1941.

Pat. 2,249,067. Telephone Systems. July 15, 1941.

Pat. 2,249,098. Exhaust Machines. July 15, 1941.

Pat. 2,249,099. Direct Current Power System. July 15, 1941.

Pat. 2,249,103. Open Telegraph Alarm Circuit. July 15, 1941.

Pat. 2,249,131. Testing Receivers. July 15, 1941.

Pat. 2,249,133. Automatic Balancing System. July 15, 1941.

Pat. 2,249,153. Testing Device. July 15, 1941.

Pat. 2,249,154. Telephone Ringing Systems. July 15, 1941.

Pat. 2,249,156. Telephone Systems. July 15, 1941.

Pat. 2,249,158. Electroacoustic Transducers. July 15, 1941.

Pat. 2,249,160. Acoustic Devices. July 15, 1941.

Pat. 2,249,161. Electroacoustic Devices. July 15, 1941.

Pat. 2,249,164. Electrical Measuring System. July 15, 1941.

Pat. 2,249,166. Electrical Probes. July 15, 1941.

Pat. 2,249,323. Testing Apparatus. July 15, 1941.

Pat. 2,249,362. Operators' Position Circuits. July 15, 1941.

Pat. 2,249,415. Wave Filter. July 15, 1941.

Pat. 2,249,429. Teletypewriter Switching Systems. July 15, 1941.

Pat. 2,249,435. Motor Control and Phasing. July 15, 1941.

Pat. 2,249,440. Wave Filter. July 15, 1941.

Pat. 2,249,577. Polarised Relays. July 15, 1941.

Pat. 2,249,599. Electrical Contact Devices and Method of Preparing Them. July 15, 1941.

Pat. 2,249,606. Stereophonic Sound Recording Systems. July 15, 1941.

Pat. 2,249,747. Regulating System. July 22, 1941.

Pat. 2,249,778. Signaling Systems. July 22, 1941.

Pat. 2,249,808. Drainage Systems. July 22, 1941.

Pat. 2,249,835. Magnetostrictive Vibrators. July 22, 1941.

Pat. 2,249,854. Signaling Systems. July 22, 1941.

Pat. 2,249,981. Indicating and Control Circuits. July 22, 1941.

Pat. 2,249,950. Linear Polyesters. July 22, 1941.

Pat. 2,249,959. Insulated Electrical Conductors. July 22, 1941.

Pat. 2,250,007. Braking Device. July 22, 1941.

Pat. 2,250,012. Web Guide. July 22, 1941.

Pat. 2,250,017. Metal Working Apparatus. July 22, 1941.

Pat. 2,250,100. Signaling Systems. July 22, 1941.

Pat. 2,250,101. Telephone Systems. July 22, 1941.

Pat. 2,250,104. Frequency Regulation. July 22, 1941.

Pat. 2,250,106. Computing Systems. July 22, 1941.

Pat. 2,250,156. Electrical Connection. July 22, 1941.

Pat. 2,250,172. Electrical Wave Amplification. July 22, 1941.

Pat. 2,250,173. Coin Control Circuits. July 22, 1941.

Pat. 2,250,264. Telephone Ringing Systems. July 22, 1941.

Pat. 2,250,268. Radio Receivers. July 22, 1941.

Pat. 2,250,283. Electron Discharge Device. July 22, 1941.

Pat. 2,250,527. Signal Translating Apparatus. July 29, 1941.

Pat. 2,250,528. Signal Translating Systems and Apparatus. July 29, 1941.

Pat. 2,250,529. Signal Translating Apparatus. July 29, 1941.

Pat. 2,250,669. Strand Handling Apparatus. July 29, 1941.

Pat. 2,250,927. Electron Discharge Devices. July 29, 1941.

Pat. 2,250,934. Electromagnetic Waves. July 29, 1941.

Pat. 2,251,028. Control of Transmission in Two-Way Signal Wave Transmission Systems. July 29, 1941.

Pat. 2,251,044. Regulator System. July 29, 1941.

Pat. 2,251,056. Dust Excluding Device. July 29, 1941.

Pat. 2,251,073. Coin Collectors. July 29, 1941.

Pat. 2,251,276. Circuits for Directionally Controlling Signal Transmission in Two-Way Signal Transmission Systems. Aug. 5, 1941.

Pat. 2,251,291. Strand Handling Apparatus. Aug. 5, 1941.

Pat. 2,251,322. Telegraphones. Aug. 5, 1941.

Pat. 2,251,332. Cathode Ray Device. Aug. 5, 1941.

Pat. 2,251,346. Telephone Systems. Aug. 5, 1941.

Pat. 2,251,356. Constant Coefficient Mechanical Elements. Aug. 5, 1941.

Pat. 2,251,933. Switching Device. Aug. 12, 1941.

Pat. 2,252,293. Modulation System. Aug. 12, 1941.

Pat. 2,252,437. Assembling Apparatus. Aug. 12, 1941.

Pat. 2,252,439. Spool Holders. Aug. 12, 1941.

Pat. 2,252,443. Silver Solder Coating for Soldering Irons. Aug. 12, 1941.

Pat. 2,252,448. Wire Connectors. Aug. 12, 1941.

Pat. 2,252,461. Electromagnetic Cores. Aug. 12, 1941.

Pat. 2,252,508. Apparatus for the Spectroscopic Analysis of Materials. Aug. 12, 1941.

Pat. 2,252,549. Intercommunicating Circuit. Aug. 12, 1941.

Pat. 2,253,552. Luminescent Coatings. Aug. 12, 1941.

Pat. 2,252,596. Knitting Apparatus. Aug. 12, 1941.

Pat. 2,252,622. Start-Stop Regenerative Telegraph Repeaters. Aug. 12, 1941.

Pat. 2,252,629. Supervisory Signal System. Aug. 12, 1941.

Pat. 2,252,645. Apparatus for Producing Constant Current. Aug. 12, 1941.

Pat. 2,252,679. Preventing Singing in Telephone Repeaters. Aug. 12, 1941.

Pat. 252,747. Neutralising Arrangement for Telegraph Circuits. Aug. 19, 1941.

Pat. 2,252,760. Material Handling Apparatus. Aug. 19, 1941.

Pat. 2,252,766. Signaling Systems. Aug. 19, 1941.

Pat. 2,252,870. Carrier Frequency Heterodyne Oscillator. Aug. 19, 1941.

Pat. 2,252,875. Call Transmitter Devices. Aug. 19, 1941.

Pat. 2,252,899. Contact Springs. Aug. 19, 1941.

Pat. 2,253,069. Core Covering Apparatus. Aug. 19, 1941.

Pat. 2,253,079. Electrical Transmission Circuits. Aug. 19, 1941.

Pat. 2,253,085. Machine Tools. Aug. 19, 1941.

Pat. 2,253,135. Mercury Switches. Aug. 19, 1941.

Pat. 2,253,186. Sound Characteristic Control. Aug. 19, 1941.

Pat. 2,253,189. Transmission Device. Aug. 19, 1941.

Pat. 2,253,314. Time Delay Relay. Aug. 19, 1941.

Pat. 2,253,335. Circuit Controlling Devices. Aug. 19, 1941.

Pat. 2,253,337. Diode-Triode Apparatus. Aug. 19, 1941.

Pat. 2,253,503. Generation and Transmission of High Frequency Oscillations. Aug. 26, 1941.

Pat. 2,253,532. Printing Telegraph Apparatus. Aug. 26, 1941.

Re. Pat. 22,453. Printing Telegraph Apparatus. Mar. 7, 1944. Original Pat. 2,253,532.

Pat. 2,253,545. Printing Telegraph Apparatus. Aug. 26, 1941.

Pat. 2,253,546. Printing Telegraph Apparatus. Aug. 26, 1941.

Pat. 2,253,572. Conveyors. Aug. 26, 1941.

Pat. 2,253,577. Resistance Device. Aug. 26, 1941.

Pat. 2,253,583. Ground Potential Compensator. Aug. 26, 1941.

Pat. 2,253,589. Generation and Transmission of High Frequency Oscillations. Aug. 26, 1941.

Pat. 2,253,621. Signaling Systems. Aug. 26, 1941.

Pat. 2,253,650. Telephone Call Transmitters. Aug. 26, 1941.

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OFFICIAL GAZETTE, SEPTEMBER 13, 1949

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ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 521,146. HENRY A. PULLEN, doing business as Pullen Pharmacal Company, Detroit, Mich. Filed Apr. 22, 1947.

Liqua-Shave

The word "Shave" is disclaimed.

FOR LIQUID LATHERING COMPOSITIONS FOR SHAVING USE.

Claims use since Feb. 15, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 522,385. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed May 14, 1947.



FOR PAINT PRODUCTS IN THE FORM OF ALUMINUM PAINTS; BARN PAINTS; BRONZE PASTES; BRONZING LIQUIDS; CALCIMINE; CASEIN PAINTS; CLEANER FOR REMOVING PAINT, ENAMEL OR VARNISH FROM PAINT BRUSHES; CLEANER AND POLISHER IN LIQUID FORM FOR APPLICATION TO AUTOMOBILE FINISHES; CEMENT AND MACHINERY PAINT; COLD WATER PAINT; COLORS OF DRY POWDERS; CREOSOTE PAINTS; ENAMELS; FLATTING OILS; FLOOR PAINTS; FLUID OIL COLORS FOR TINTING AND MIXING IN PAINTS; FURNITURE POLISHES; GALVANIZED IRON PAINT; GLAREPROOF PAINT; GRAPHITE PAINT; LIQUID GROUND COATS IN PAINT FORM; HEAT RESISTING PAINTS; HOUSE PAINTS; LINSEED OIL; METAL PAINTS; OIL FOR MIXING WITH LEAD; PAINT PRIMERS; PASTE AND LIQUID POLISHING WAXES; PLASTIC TEXTURE PAINTS; REDUCERS FOR THINNING ENAMELS; SCREEN PAINTS; SHELLAC PROCESSED FOR BRUSHING OR SPRAYING ON SURFACES TO BE COVERED; SHELLAC SOLVENTS FOR THINNING PROCESSED SHELLAC; SPIRITS OF TURPENTINE; STAINS IN THE FORM OF LIQUID; WOOD FILLERS AND SEALERS FOR STAINING, COLORING, PENETRATING, AND PRESERVING WOOD; SPRAYING PAINTS; TRAFFIC AND ZONE MARKING PAINTS; LIQUID UNDERCOATER PAINT FOR SEALING POROUS SURFACES OF CANVAS, BURLAP, COMPOSITION WALLBOARD, AND CANVAS BOAT DECKS; VARNISHES AND VARNISH REMOVERS; WALL PAINTS; WATER PAINTS; AND WHITE LEAD, RED LEAD, BLUE LEAD, AND LITHARGE FOR MIXING WITH PAINTS.

Claims use since Apr. 30, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 502,566. ED-U-CARDS, INC., New York, N. Y. Filed May 22, 1946.



The representation of the two children is fanciful, and no claim is made to the word "Cards" and the representation of the cards apart from the mark.

FOR EDUCATIONAL GAMES OF PLAYING CARDS.

Claims use since Mar. 29, 1946.

Ser. No. 521,521. INTERNATIONAL DOLL CO., INC., Philadelphia, Pa. Filed Apr. 29, 1947.

SHERRY-ANN

FOR DOLLS.
Claims use since Mar. 8, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 494,767. AMERICAN MACHINE AND FOUNDRY COMPANY, Brooklyn and New York, N. Y. Filed Jan. 15, 1946.

POLAR SEAL

The word "Seal" is disclaimed.
FOR SEALERS FOR PACKAGING MACHINES AND WRAPPING MACHINES, AND PARTS AND ACCESSORIES THEREFOR, FOR ACCELERATING THE SETTING AND/OR CONGEALING OF SEALED WRAPPER AND PACKAGE FOLDS AND LAPS OR FLAPS BANDED TOGETHER BY THERMOPLASTIC ADHESIVE.
Claims use since December 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 497,728. LONDEX LIMITED, London, England. Filed Mar. 6, 1946.

LONDEX

FOR INSTRUMENTS AND APPARATUS FOR INDICATING OR MEASURING THE FLOW OF GASES OR LIQUIDS, INSTRUMENTS AND APPARATUS FOR INDICATING OR REGULATING THE LEVEL OF A LIQUID IN A SUMP OR CONTAINER, TIMING MECHANISMS FOR INDICATING THE TERMINATION OF A PRESET TIME PERIOD AND FOR OPERATING RELAYS AFTER PRESET TIME PERIODS, TIMING MECHANISMS FOR CONTROLLING THE WELDING PERIODS OF AUTOMATIC WELDING MACHINES, ELECTRIC LIGHT SENSITIVE RELAYS AND PARTS THEREOF, INSTRUMENTS FOR INDICATING THE POWER FACTOR OF AN ELECTRIC CIRCUIT, INSTRUMENTS FOR CONTROLLING SWITCHING OPERATIONS IN ACCORDANCE WITH THE VARIATIONS OF THE POWER FACTOR OF AN ELECTRIC CIRCUIT.
Claims use since June 5, 1944.

Ser. No. 513,278. FLOYD TODD, doing business as Todd Scientific Company, Springfield, Pa. Filed Nov. 26, 1946.



The lining is used for shading only and not to represent any specific color.
FOR SCIENTIFIC LABORATORY APPARATUS—NAMELY, (A) FRACTIONATION COLUMN ASSEMBLY USED FOR THE COMPLETE FRACTIONATION OF LIQUID MIXTURES EITHER AT ATMOSPHERIC PRESSURE OR UNDER VACUUM; (B) LABORATORY GLASS MERCURY DIFFUSION PUMP USED FOR PRODUCING HIGH VACUUM WITH WATER; (C) VACUUM PRESSURE INSTRUMENT REGULATOR USED FOR CONTROLLING LOW VACUUM PRESSURES; (D) MULTI-SCALE VACUUM MEASURING INSTRUMENT FOR ACCURATELY MEASURING LOW VACUUM PRESSURES; (E) STILL-POT ELECTRIC HEATER FOR GENERAL LABORATORY AND SCIENTIFIC WORK.
Claims use since Mar. 15, 1946.

Ser. No. 515,323. MILLER-HARRIS INSTRUMENT COMPANY, Milwaukee, Wis. Filed Jan. 6, 1947.



FOR TIME SWITCHES OF THE HOROLOGICAL TYPE FOR CONTROLLING ELECTRICAL DEVICES AND APPLIANCES.
Claims use since June 25, 1946.

Ser. No. 521,012. HEILAND RESEARCH CORPORATION, Denver, Colo. Filed Apr. 19, 1947.

FOTOEYE

FOR ELECTRONIC FLASHLIGHT BULB ACTUATING APPARATUS FOR ACTUATING A SERIES OF SLAVE FLASH LAMPS IN SYNCHRONISM WITH THE SHUTTER OF A CAMERA AND A MASTER FLASH LAMP.
Claims use since Feb. 3, 1947.

Ser. No. 524,961. ELECTRIC & MUSICAL INDUSTRIES LIMITED, Hayes, Middlesex, England. Filed June 27, 1947.



FOR ELECTRIC MEASURING BRIDGES, WATT METERS, APPARATUS FOR INDICATING RELATIVE WORLD TIMES, ELECTRIC INSULATION TESTERS, ELECTRIC FLAT IRON HEATING TESTERS.
Claims use since June 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 512,157. CHATTANOOGA IMPLEMENT & MANUFACTURING COMPANY, Chattanooga, Tenn. Filed Nov. 7, 1946.

ROYAL

FOR GAS CIRCULATOR AND SPACE HEATERS, PORTABLE AND STATIONARY, FOR HEATING LIVING ROOMS, INCLUDING HEATERS GIVING OFF RADIANT HEAT IN SIMULATION OF AN OPEN FIRE; FIRELIGHTERS; PORTABLE GRATE BASKETS FOR USE IN OPEN FIREPLACES; DOME DAMPERS FOR OPEN FIREPLACES; AUTOMATIC ASH TRAPS AND ASH CLEAN OUT DOORS, FOR USE IN OPEN FIREPLACES.
Claims use since 1930.

CLASS 37

PAPER AND STATIONERY

Ser. No. 491,994. PACKAGING INDUSTRIES LIMITED, Montclair, N. J. Filed Nov. 21, 1945.

THERMO WELT

FOR PAPER COATED WITH SYNTHETIC RESIN IN SHEET OR ROLL FORM OR LAMINATED TO A FILM OF SYNTHETIC RESIN.
Claims use since Aug. 14, 1945.

CLASS 39

CLOTHING

Ser. No. 517,681. BON DANA SPORTSWEAR CO., New York, N. Y. Filed Feb. 18, 1947.



The word "Sun" is disclaimed.
FOR WOMEN'S BEACH AND SPORTSWEAR—TO WIT, SLACKS, SPORT SHIRTS, SUN DRESSES, DRESSES, COATS, AND BATHING SUITS.
Claims use since September 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 508,400. WHITMOYER LABORATORIES, INC., Myerstown, Pa. Filed Aug. 31, 1946.

Flav-A-Dee

The letter "A" per se and the syllable "Dee" are disclaimed apart from the mark.
FOR DRIED LIVER MEAL WITH ADDED NUTRIENTS AND VITAMIN CONCENTRATES FOR USE AS AN INGREDIENT IN LIVESTOCK AND POULTRY FEEDS.
Claims use since Mar. 31, 1942.

Ser. No. 509,874. JOHN POEHLMAN & SONS, INC., Baltimore, Md. Filed Sept. 27, 1946.

Worthmore

FOR BUTTER AND EGGS.
Claims use since Sept. 1, 1924.

Ser. No. 510,840. HOEFLER'S CENTENNIAL CHOCOLATES, INC., LTD., San Francisco, Calif. Filed Oct. 14, 1946.

CENTENNIAL

Applicant owns Reg. No. 331,768.
FOR CHOCOLATE COATED CREAM CENTER CANDIES OF VARIOUS FLAVORS.
Claims use since Feb. 20, 1914.

Ser. No. 512,804. SOMIS LEMON ASSOCIATION, Oxnard, Calif. Filed Nov. 18, 1946.

SEAWARD

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 25, 1946.

Ser. No. 517,763. THE B. T. S. COMPANY, Summit, N. J. Filed Feb. 19, 1947.

B. T. S.

FOR BUTTER TASTE STABILIZER, IN SOLID FORM, COMPRISING PURE CREAMERY BUTTER CONTAINING IN CONCENTRATED FORM THE FLAVORING AGENTS OF BUTTER FAT WITH MOISTURE ADDED, EMPLOYED IN THE PREPARATION OF FOODS FOR THE IMPROVEMENT OF THE FLAVOR THEREOF.
Claims use since 1938.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 543,059. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 3, 1947.

FLAMBEAU

FOR UPPER LEATHER.
Claims use since 1909.

Ser. No. 543,066. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 3, 1947.

MELLOGRAIN

FOR UPPER LEATHER.
Claims use since 1944.

Ser. No. 543,074. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 3, 1947.

Scottie

FOR UPPER LEATHER.
Claims use since 1936.

Ser. No. 543,077. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 3, 1947.

SHAWNEE

FOR UPPER LEATHER.
Claims use since 1908.

Ser. No. 543,389. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 5, 1947.

JOPPA

FOR SOLE LEATHER.
Claims use since 1922.

Ser. No. 543,401. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 5, 1947.



FOR SOLE LEATHER.
Claims use since 1931.

Ser. No. 543,402. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 5, 1947.



FOR SOLE LEATHER.
Claims use since 1931.

Ser. No. 554,807. NEW YORK COAL COMPANY, Columbus, Ohio. Filed Apr. 16, 1948.

MANHATTAN

Applicant claims ownership of Registration No. 244,783.
FOR COAL.
Claims use since 1907.

Ser. No. 559,019. GITLER & CO., INC., New York, N. Y. Filed June 11, 1948.

IRIDESCENT

FOR FUR PELTS.
Claims use since June 1941.

Ser. No. 559,839. GENERAL MILLS, INC., Wilmington, Del., and Minneapolis, Minn. Filed June 21, 1948.

LOTEX

FOR SOYBEAN OIL MEAL FOR INDUSTRIAL USES.
Claims use since June 3, 1948.

CLASS 2

RECEPTACLES

Ser. No. 503,822. MILPRINT, INC., Milwaukee, Wis. Original filed, act of 1905, June 13, 1946; amended to application under act of 1946, Principal Register, Aug. 19, 1947.

MILPRINT

Applicant claims ownership of Registrations Nos. 255,962, 252,997, 258,865, 364,524, 384,940, and 434,283.
FOR COMMODITY AND MERCHANDISING POUCHES AND BAGS FORMED OF PAPER, PARCHMENT, WAX PAPER, REGENERATED CELLULOSE, RUBBER HYDROCHLORIDE, GLASSINE, COMPOSITION MATERIALS, PLASTIC, AND FOIL; AND SHIPPING AND MERCHANDISING ENVELOPES, FOLDERS, TUBES, CARTONS, AND BOXES SOLD EMPTY AND FORMED OF PAPER, PARCHMENT, WAX PAPER, CARDBOARD, REGENERATED CELLULOSE, RUBBER HYDROCHLORIDE, GLASSINE, COMPOSITION MATERIALS, PLASTIC, AND FOIL.
Claims use since May 13, 1924.

Ser. No. 555,252. DABS CREATIONS, INC., Chicago, Ill. Filed Apr. 22, 1948.

KOMPA-KIT

The word "Kit" is disclaimed apart from the mark.
FOR WOOD, LEATHER, AND LEATHERETTE BOXES SOLD AS EMPTY CONTAINERS FOR HOLDING COSMETICS, SEWING INSTRUMENTS, OR MANICURING EQUIPMENT.
Claims use since Feb. 9, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 541,725. BEST & CO., INC., New York, N. Y. Filed Aug. 11, 1947. Under section 2f of the act of 1946.

Best & Co.

Applicant claims ownership of Registration No. 225,629.
FOR HAND BAGS, HAT BOXES, SUIT CASES AND FITTED AND UNFITTED LEATHER VANITY CASES, POCKETBOOKS, LEATHER DRESSING ROLLS, PORTFOLIOS, WALLETS, BILL CASES AND BILLFOLDS, AND LEATHER KEYHOLDERS.
Claims use since 1910.

Ser. No. 543,441. HERMAN GITTIS, Philadelphia, Pa. Filed Dec. 5, 1947.

ATOMIC

FOR LUGGAGE—NAMELY, SUITCASES AND HANDBAGS.
Claims use since Sept. 15, 1947.

Ser. No. 555,320. TAILORED LUGGAGE, INC., New York, N. Y. Filed Apr. 22, 1948.

truly light

The expression "Truly Light" is disclaimed. The drawing is lined to indicate the color red.
FOR LUGGAGE—NAMELY, SUITCASES, HANDBAGS, HAT BOXES, COSMETIC CASES, AND TRUNKS.
Claims use since May 15, 1947.

Ser. No. 559,733. ASSOCIATED NEEDLECRAFTS, New York, N. Y. Filed Dec. 2, 1948.

BEAUTILITY

FOR UTILITY KNIT BAGS.
Claims use since September 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 541,554. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

Laymon's

FOR SHAVING CREAM AND SHAVING SOAP.
Claims use since Jan. 1, 1936, on shaving cream; and since Feb. 1, 1942, on shaving soap.

Ser. No. 545,879. PERMATEX COMPANY, INC., Brooklyn and Sheepshead Bay, N. Y. Filed Dec. 31, 1947.



Applicant claims ownership of Registration No. 93,418.
FOR REMOVER OF ROAD TAR AND ROAD OIL, FOR A LIQUID FOR CLEANING GLASS AND FOR A CLEANING FLUID FOR CLOTHING AND UPHOLSTERY.
Claims use since July 1918 on a remover of road tar and road oil; since September 1935 on a liquid for cleaning glass; and since September 1925 on a cleaning fluid for clothing and upholstery.

Ser. No. 546,975. DETREX CORPORATION, Detroit, Mich. Filed Jan. 14, 1948.

TRIAD

Applicant claims ownership of Registrations Nos. 317,680 and 286,829.
FOR METAL CLEANING SOLVENTS, ALKALI CLEANERS, FLOOR CLEANERS, METAL CLEANERS, EMULSION CLEANERS, WATER EMULSION CLEANERS, SPRAY BOOTH CLEANER, ACID CLEANERS, SOAP POWDERS, GREASE REMOVERS, AND SOLVENT CLEANING COMPOUNDS.
Claims use since Apr. 3, 1931.

Ser. No. 558,369. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

SPOTLIGHT

FOR OIL SOAP IN JELLY FORM.
Claims use since Apr. 6, 1933.

Ser. No. 562,060. HYSAN PRODUCTS COMPANY, Chicago, Ill. Filed July 23, 1948.

HY-O-LAN

FOR SOAP.
Claims use since Sept. 20, 1941.

Ser. No. 565,979. RICHARD L. WALSH, Los Angeles, Calif. Filed Sept. 27, 1948.

Y-POF

FOR HAND CLEANER.
Claims use since Mar. 15, 1948.

Ser. No. 567,646. J. L. PRESCOTT COMPANY, Passaic, N. J. Filed Oct. 26, 1948.

DAZZLE

FOR POLISH FOR STOVES, FURNACES, GRATES, AND BOILERS.
Claims use since July 1, 1894.

CLASS 5

ADHESIVES

Ser. No. 518,810. MARK B. ANDREWS, doing business as The Mark Andrews Company, Kirkwood, Mo. Original filed, act of 1905, Mar. 11, 1947; amended to application under act of 1946, Principal Register, Nov. 19, 1947.

MARK 'ANDY



FOR PRESSURE SENSITIVE TAPE.
Claims use since July 1946.

Ser. No. 560,356. SEAL, INCORPORATED, Shelton, Conn. Filed June 28, 1948. Under section 2f of the act of 1946.

FOTOFLAT

Applicant claims ownership of Registration No. 387,119.
FOR HEAT SEALING MOUNTING TISSUE FOR PHOTOGRAPHS.
Claims use since Apr. 19, 1938.

CLASS 6

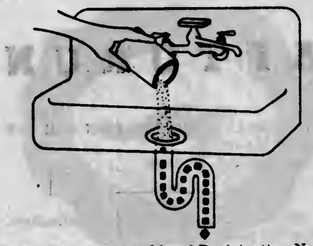
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 527,172. NOPCO CHEMICAL COMPANY, Harrison, N. J. Filed July 5, 1947.

VITAB

Applicant claims ownership of Registrations Nos. 303,022, 314,846, and 316,015.
FOR VITAMIN B COMPLEX DERIVED FROM RICE BRAN.
Claims use since May 1933.

Ser. No. 552,386. THE DRACKETT COMPANY, Cincinnati, Ohio. Filed Dec. 30, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 419,013.
FOR CHEMICAL PREPARATION HAVING DISINFECTING AND GERMICIDAL PROPERTIES FOR OPENING CLOGGED DRAINS OF SINKS, WASH-BOWLS, ETC.
Claims use since September 1941.

Ser. No. 554,917. PANCHO NAKASHEFF, doing business as Pantcho Nakasheff, P. Nakasheff and Pharmacy P. Nakasheff, Round Hill Farm, R. F. D. 2, Monroe, N. Y. Filed Apr. 17, 1948.

BUROWIN

Applicant claims ownership of Bulgarian Registration No. 10,595, dated Aug. 11, 1939.
FOR MEDICINAL PREPARATION KNOWN AS AN ANTISEPTIC ANTIPHLOGISTIC PREPARATION IN TABLET FORM.

Ser. No. 556,464. NOVADEL-AGENE CORPORATION, Belleville, N. J. Filed May 7, 1948. Under section 2f of the act of 1946.

"N-RICHMENT-A"

Applicant claims ownership of Registration No. 407,826.
FOR FLOUR-ENRICHING COMPOSITIONS SUCH AS CONCENTRATED COMPOSITIONS OF HEALTH-PROMOTING CHEMICAL CONTENT INCLUDING VITAMIN CONTENT TO BE EMBODIED IN SMALL QUANTITIES IN FARINACEOUS MATERIAL.
Claims use since Feb. 13, 1941.

Ser. No. 559,595. FAESY & BESTHOFF, INC., New York, N. Y. Filed June 18, 1948.



The words "Faesy & Besthoff, Inc." are disclaimed.
FOR INSECTICIDE.
Claims use since May 19, 1948.

Ser. No. 562,003. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

VISCOSINE

Applicant claims ownership of Registration No. 155,487.
FOR NON-OILY VISCOUS LIQUIDS FOR USE ON DUST COLLECTING SURFACES FOR DUST RETENTION PURPOSES.
Claims use since Oct. 23, 1935.

Ser. No. 562,401. THE QUAKER OATS COMPANY, Chicago, Ill. Filed July 28, 1948.

QUAKERAL

FOR FURFURAL.
Claims use since Mar. 31, 1948.

Ser. No. 562,692. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed Aug. 3, 1948.

ANTAROX

Applicant claims ownership of Registration No. 505,310.
FOR CHEMICALS AND PREPARATIONS THEREOF—NAMELY, SURFACE ACTIVE AGENTS, EMULSIFYING AGENTS, WETTING AGENTS, AND DISPERSING AGENTS.
Claims use since Mar. 26, 1948.

Ser. No. 564,494. WINTHROP-STEARNS INC., New York, N. Y. Filed Aug. 31, 1948.

COMPAL

FOR PREPARATION FOR THE PREVENTION AND TREATMENT OF TRAVEL SICKNESS.
Claims use since Aug. 19, 1948.

Ser. No. 564,546. ANSUL CHEMICAL COMPANY, Marinette, Wis. Filed Sept. 2, 1948.

ANSUL

Applicant claims ownership of Registrations Nos. 294,814 and 402,775.
FOR COMMINUTED FREE-FLOWING, FIRE-EXTINGUISHING DRY CHEMICAL.
Claims use since Aug. 8, 1947.

Ser. No. 564,696. THE LAZARIN COMPANY, Oceanside, N. Y. Filed Aug. 27, 1948.

Lazarin



FOR ANTIBIOTIC OINTMENT.
Claims use since Apr. 5, 1948.

Ser. No. 564,751. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Sept. 7, 1948.

AZITE

FOR DICYANDIAMIDE FOR USE IN PAPER MANUFACTURE TO MODIFY THE PROPERTIES OF THE FINISHED PRODUCTS.
Claims use since Aug. 14, 1948.

Ser. No. 568,589. JULES V. CORDES, doing business as Shield Laboratories, Detroit, Mich. Filed Nov. 12, 1948.

RISM

FOR PREPARATION FOR THE RELIEF OF RHEUMATISM.
Claims use since July 1, 1948.

Ser. No. 568,765. RAYMOND T. WAGNER, doing business as Hawthorne Laboratories, Louisville, Ky. Filed Nov. 13, 1948.

TYTENGO

FOR VETERINARY PREPARATION FOR EXTERNAL USE AS AN ASTRINGENT.
Claims use since Oct. 22, 1948.

Ser. No. 568,766. RAYMOND T. WAGNER, doing business as Hawthorne Laboratories, Louisville, Ky. Filed Nov. 13, 1948.

AFTURUN

FOR VETERINARY PREPARATION FOR USE WITH WATER AS A WASH.
Claims use since Oct. 22, 1948.

Ser. No. 568,773. ALGAEDERM INC., Bellingham, Wash. Filed Nov. 15, 1948.

ALGAEDERM

FOR OINTMENTS AND LOTIONS CONTAINING KELP EXTRACT INTENDED FOR RELIEF OF MINOR BURNS, SCALDS, SUNBURN, AND SKIN IRRITATIONS.
Claims use since Mar. 5, 1941.

CLASS 7

CORDAGE

Ser. No. 534,032. THE LINEN THREAD CO., INC., New York, N. Y. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

FULTON

Applicant claims ownership of Registration No. 25,242.
FOR TWINE.
Claims use since May 15, 1894.

Ser. No. 542,032. THE LINEN THREAD CO., INC., New York, N. Y. Filed Nov. 22, 1947. Under section 2f of the act of 1946.



The drawing is lined to indicate the color red.
FOR TWINE.
Claims use since 1870.

Ser. No. 563,341. IRISH ROPES LIMITED, Droichead Nua, Eire. Filed Aug. 13, 1948.



Applicant claims ownership of Eire Registration No. 36,943, dated Apr. 24, 1930.
FOR ROPES, CORDS, TWINES, AND STRINGS.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 534,647. LEE MILLER, doing business as Lemlar Manufacturing Co., and also under the fictitious name and style of Lee Miller Company, Gardena, Calif. Filed Sept. 16, 1947.

LEMLAR

FOR METAL AWNINGS.
Claims use since November 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 552,954. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 25, 1948.

WHITE HOUSE

FOR SINK CABINETS OF WOOD AND STEEL PROVIDED WITH METAL OR PORCELAIN SINKS, STATIONARY LAUNDRY TUBS AND TRAYS, ENAMELED INFANTS' BATH TUBS, ENAMELED BEDROOM CHAMBERS, ENAMELED FOOT TUBS; ENAMELED KITCHEN UTENSILS—NAMELY, DOUBLE BOILERS, COVERED COOKING POTS, TEA KETTLES, SAUCE PANS, COFFEE-PREPARING PERCOLATORS, COMBINETS, PUDDING PANS, DISH PANS, SINK STRAINERS, DRIP-TYPE COFFEE MAKERS, PLAIN COFFEE POTS, ROASTERS, REFRIGERATOR HYDRATORS, WASH BASINS, BAKING PANS, CANNERS FOR PRESERVING FOODS, DUTCH OVENS, COMBINATION COOKERS, SKILLETS, ROASTING PANS, AND COLANDERS; ALUMINUM KITCHEN UTENSILS—NAMELY, COMBINATION COOKERS, TEA KETTLES, COVERED COOKING POTS, DRIP-TYPE COFFEE MAKERS, SAUCE PANS, COFFEE-MAKING PERCOLATORS, DOUBLE BOILERS, SKILLETS, ROASTERS, EGG POACHERS, COLANDERS, DISH PANS, CAKE PANS, PIE PANS, BREAD PANS, FOOD MOULDS, MUFFIN PANS, ROASTING PANS, PRESSURE COOKERS, PRESSURE CANNERS, WATERLESS COOKERS, SINK STRAINERS, DUTCH OVENS, CANNERS FOR PRESERVING FOODS, AND PUDDING PANS; BRUSH RACKS; GALVANIZED METALLIC CANNERS FOR PRESERVING FOOD; PORCELAIN PLUMBING FIXTURES—NAMELY, BATH TUBS, WATER CLOSET COMBINATIONS, LAVATORIES, SHOWERS, AND SINKS; VITREOUSWARE PLUMBING FIXTURES—NAMELY, WATER CLOSET COMBINATIONS, LAVATORIES, AND SINKS.
Claims use since Oct. 1, 1939.

Ser. No. 557,665. HARDWOOD PRODUCTS COMPANY, Mayville, Mich. Filed May 24, 1948.

GOLD BOND

FOR ROUND WOOD CANDY STICKS AND FLAT WOOD ICE CREAM STICKS.
Claims use since Oct. 2, 1935.

Ser. No. 562,908. BIG BEAR-LITTLE BEAR CORPORATION OF AMERICA, Atlanta, Ga. Filed Aug. 6, 1948.

Big Bear-Little Bear

FOR TOILET SEATS.
Claims use since June 15, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 540,035. CHIKSAN COMPANY, Brea, Calif. Filed Nov. 4, 1947.



FOR LUBRICATING OILS AND LUBRICATING GREASES.
Claims use since January 1944.

Ser. No. 540,310. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

Packard

Applicant claims ownership of Registrations Nos. 47,621, 73,048, 73,049, 95,655, and 389,399.
FOR LUBRICATING OIL, AND RUST PREVENTIVE OIL FOR RADIATORS.
Claims use since April 1906.

Ser. No. 552,907. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed Mar. 24, 1948. Under section 2f of the act of 1946.

THE WEBSTER
STAR BRAND

No claim is made to the word "Brand" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 245,776 and 299,409.

FOR INSTRUMENT OIL.

Claims use since 1905.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 532,829. S. C. JOHNSON & SON, INC., Racine, Wis. Filed Aug. 29, 1947.

BROWN LABEL

Applicant disclaims the right to the exclusive use of a label colored brown.

FOR LIQUID POLISH FOR FINISHING AND COATING FLOORS AND OTHER SURFACES OF WOOD, LINOLEUM, RUBBER, CORK, TILE, ASPHALT, CONCRETE, CEMENT, COMPOSITION, MASTIC, MAGNESITE, TERRAZZO, MARBLE, TRAVERTINE, STONE, SLATE, AND METAL.

Claims use since Aug. 25, 1939.

Ser. No. 557,201. MULTI-CLEAN PRODUCTS, INCORPORATED, St. Paul, Minn. Filed May 17, 1948.

MULTI MC CLEAN

The word "Clean" is disclaimed. Applicant claims ownership of Registrations Nos. 406,117 and 531,027.

FOR FLOOR VARNISH, CONCRETE FLOOR VARNISH, VARNISH FOR GYMNASIUM FLOORS AND WOODWORK, LIQUID POLISHING SPIRIT WAX, WOOD PENETRATING VARNISH FOR POROUS SURFACES, AND LIQUID VARNISH SURFACE SEALER.

Claims use since May 1946.

Ser. No. 562,642. LAMBERT CORPORATION, Houston, Tex. Filed Aug. 2, 1948.

LAMBCO

FOR WATERPROOF PASTE WAX FOR CEMENT FLOORS.

Claims use since Jan. 12, 1947.

CLASS 19

VEHICLES

Ser. No. 512,761. ATHEY PRODUCTS CORPORATION, Chicago, Ill. Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Sept. 29, 1948.

APCOR

FOR TRAILERS PROVIDED WITH ONE OR TWO OR THREE PAIRS OF WHEELS OR TRACK LAYING WHEEL UNITS WHICH SUITABLY AND USUALLY BUT NOT INVARIABLY ARE DRAWN BY TRACTORS OR TRUCKS—NAMELY, 2-WAY DUMP TRAILERS, SIDE DUMP TRAILERS, BOTTOM DUMP TRAILERS, STAKE PLATFORM TRAILERS, TRAILERS WITH LOAD-ENGAGING BUNKS, TRACTOR WAGONS, AND QUARRY TRAILERS.

Claims use since Oct. 1, 1945.

Ser. No. 565,529. CHICAGO RAILWAY EQUIPMENT COMPANY, Chicago, Ill. Filed Sept. 20, 1948.

POSITIVE

FOR RAILWAY VEHICLE BRAKE BEAMS, BRAKE BEAM HEADS, BRAKE BEAM TRUSSES, BRAKE BEAM STRUTS, AND BRAKE BEAM COMPRESSION, TENSION, AND END MEMBERS.

Claims use since Dec. 17, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 513,587. H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich. Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, May 5, 1948. Under section 2f of the act of 1946.

SHERMAN

FOR SOLDERING LUGS, SOLDERING TERMINALS, GROUND CLAMPS, SPLICING SLEEVES, GROUND FITTINGS, ELECTRIC CONNECTORS, SOLDERLESS LUGS, AND PARTS THEREOF.

Claims use since 1915 on soldering lugs and soldering terminals; since 1916 on ground clamps; since 1930 on splicing sleeves; since 1934 on ground fittings and electric connectors; and since 1936 on solderless lugs.

Ser. No. 513,862. TOLEDO SCALE COMPANY, Toledo, Ohio. Original filed, act of 1905, Oct. 24, 1946; amended to application under act of 1946, Principal Register, Oct. 1, 1947.



FOR ELECTRICALLY MOTIVATED FOOD HANDLING MACHINERY—NAMELY, CHOPPERS, STEAK MACHINES, MEAT CUTTING BAND SAWS, COFFEE MILLS, AND FOOD SLICERS.

Claims use since Dec. 22, 1945.

Ser. No. 528,986. JASPER BLACKBURN PRODUCTS CORPORATION, St. Louis, Mo. Filed July 21, 1947. Under section 2f of the act of 1946 in respect to the feature "Blackburn."

BLACKBURN
Hi Strength
CONNECTORS

Applicant makes no claim herein to the exclusive use of the words "Hi-Strength Connectors" apart from the mark as shown.

FOR SOLDERLESS CONNECTORS FOR ELECTRIC WIRES.

Claims use since January 1945.

Ser. No. 533,683. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

PENNSYLVANIA

FOR STORAGE BATTERIES.

Claims use since 1935.

Ser. No. 549,876. BENDIX AVIATION CORPORATION, Detroit, Mich. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

BENDIX

Applicant claims ownership of Registrations Nos. 350,152, 357,382, and 380,129.

FOR RADIO EQUIPMENT AND RADIO COMMUNICATION SYSTEMS AND EQUIPMENT AND PARTS AND ACCESSORIES THEREFOR—NAMELY, RADIO RECEIVING AND TRANSMITTING APPARATUS, RADIO MARKER BEACONS, RADIO RIGHT-LEFT COURSE CORRECTION INDICATORS, RADIO DIRECTION FINDERS, AND BLIND LANDING APPARATUS FOR AIRCRAFT, RADIO TUBES, AND TELEVISION RECEIVERS.

Claims use on radio equipment and radio communication systems and equipment and parts and accessories therefor—namely, radio receiving and transmitting apparatus, radio marker beacons, radio right-left course correction indicators, radio direction finders, and blind landing apparatus for aircraft since Jan. 8, 1936; and on radio tubes and television receivers since June 1948.

Ser. No. 549,877. BENDIX AVIATION CORPORATION, Detroit, Mich. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

BENDIX RADIO

The word "Radio" is disclaimed. Applicant claims ownership of Registrations Nos. 350,152, 357,382, and 380,129.

FOR RADIO EQUIPMENT AND RADIO COMMUNICATION SYSTEMS AND EQUIPMENT AND PARTS AND ACCESSORIES THEREFOR—NAMELY, RADIO RECEIVING AND TRANSMITTING APPARATUS, RADIO MARKER BEACONS, RADIO RIGHT-LEFT COURSE CORRECTION INDICATORS, RADIO DIRECTION FINDERS, AND BLIND LANDING APPARATUS FOR AIRCRAFT, RADIO TUBES, AND TELEVISION RECEIVERS.

Claims use since Mar. 24, 1938, on all items listed except radio tubes and television receivers; and since June 1948 on radio tubes and television receivers.

Ser. No. 552,281. SOLAR COMPOUNDS CORPORATION, Linden, N. J. Filed Mar. 18, 1948.

SOLARITE

FOR COMPOUNDS WHICH ARE USED AS ELECTRICAL INSULATION, PARTICULARLY FOR WIRE AND CABLE (THE COMPOUNDS BEING SHIPPED IN SOLID

FORM TO THE USER WHO BREAKS UP THE MATERIAL AND ADDS IT TO THE SATURATING OR FINISHING TANKS THROUGH WHICH THE MATERIAL TO BE INSULATED IS RUN, THUS GIVING THE ARTICLE AN IMPREGNATION OF THE COMPOUND AS WELL AS A FIDUSHING COAT).

Claims use since May 1920.

Ser. No. 554,890. FEDERAL TELEPHONE & RADIO CORPORATION, Clifton, N. J. Filed Apr. 17, 1948.

Applicant claims ownership of Registration No. 409,001.

FOR ELECTRICALLY OPERATED SWITCHING APPARATUS OF THE TYPE USED IN TELEPHONE, CALCULATOR, SIGNALLING, AUTOMATIC BOOKING, TELEGRAPHIC, AND OTHER COMMUNICATIONS EQUIPMENTS FOR ESTABLISHING CIRCUIT CONNECTIONS AND KNOWN AS SELECTORS OR MARKER SWITCHES.

Claims use since Apr. 14, 1948.

Ser. No. 555,288. MOTOR WHEEL CORPORATION, Lansing, Mich. Filed Apr. 22, 1948.

AQUANODE

FOR CORROSION PREVENTING MAGNESIUM ALLOY ROD FOR INSTALLATION WITHIN, AND IMMERSION IN THE WATER OF, A WATER HEATER BOILER (THE MAGNESIUM ALLOY ROD WHEN IMMERSED IN THE WATER OF THE WATER HEATER BOILER CAUSES AN ELECTRICAL CURRENT TO FLOW AND THE METAL OF THE ROD IS ELECTRODEPOSITED UPON THE WALLS OF THE WATER HEATER BOILER AS A PROTECTIVE COATING).

Claims use since Jan. 8, 1948.

Ser. No. 556,002. JOHN E. FAST & CO., Chicago, Ill. Filed May 1, 1948. Under section 2f of the act of 1946.

FAST

Applicant claims ownership of Registration No. 424,045.

FOR CAPACITORS, TRANSFORMER COILS, AND RESISTANCES.

Claims use since 1919 on capacitors; and since 1920 on transformer coils and resistances.

Ser. No. 559,559. TELEVISION AND FACSIMILE, INC., Philadelphia, Pa. Filed June 17, 1948.

MULTIVISION

FOR ELECTRONIC DUPLICATOR AND/OR MAGNIFIER OF TELEVISION RECEIVERS.

Claims use since July 13, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 546,434. SCALA MFG. CO., INC., Brooklyn, N. Y. Filed Jan. 7, 1948.

The lining in the drawing is for purposes of shading only.

FOR TRICYCLES.

Claims use since Oct. 1, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 513,491. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Original filed, act of 1905, Nov. 30, 1946; amended to application under act of 1946, Principal Register, Apr. 21, 1948.

Pin King

No claim is made to the exclusive right to the word "Pin" apart from the mark as shown.

FOR ELECTRICALLY OPERATED LATHE FOR RECONDITIONING BOWLING PINS.

Claims use since June 24, 1946.

Ser. No. 515,388. RUSSELL E. PHELON, doing business as R. E. Phelon Company, West Springfield, Mass. Original filed, act of 1905, Jan. 7, 1947; amended to application under act of 1946, Principal Register, Dec. 20, 1947.

MAGNAGRIP

FOR HOLDERS FOR ARTICLES OF MAGNETIC MATERIAL SUCH AS KNIVES, KITCHEN UTENSILS, AND HAND TOOLS.

Claims use since Aug. 15, 1946.

Ser. No. 517,214. TEMPO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio, assignee of Tempo Products Company. Original filed, act of 1905, Feb. 8, 1947; amended to application under act of 1946, Principal Register, July 30, 1947.

FOR POWDER ACTUATED TOOLS COMPRISING APPARATUS USED IN DRIVING STUDS, BOLTS, SCREWS, RIVETS, PINS, PLUGS, SHAFTS, FASTENINGS, OR OTHER OBJECTS INTO OR THROUGH, OR REMOVING SAME FROM, OR FORMING OPENINGS OR APERTURES IN, OR FASTENING TOGETHER SOLID OR IMPERFORATE MATERIALS, INCLUDING METALS, STEEL, PLATES, WALLS, MASONRY, BRICKS, OR THE LIKE, OR JOINING SAME TOGETHER.

Claims use since Aug. 27, 1946.

Ser. No. 517,284. ARMSTRONG CORK COMPANY, Manheim Township, Pa. Original filed, act of 1905, Feb. 11, 1947; amended to application under act of 1946, Principal Register, July 10, 1947.

Applicant claims ownership of Registration No. 391,300.

FOR CORK, SYNTHETIC RUBBER, AND CORK AND SYNTHETIC RUBBER ROLL COVERS FOR TEXTILE MILL USAGE.

Claims use since June 26, 1940, on cork roll covers; and since Jan. 27, 1947, on synthetic rubber and cork and synthetic rubber roll covers.

Ser. No. 522,047. A. D. COOK, INCORPORATED, Lawrenceburg, Ind. Original filed, act of 1905, May 7, 1947; amended to application under act of 1946, Principal Register, May 27, 1949. Under section 2f of the act of 1946.

Applicant claims ownership of Registrations Nos. 212,350, 212,351, 226,895, 273,361, and 358,987.

FOR DEEP WELL PUMPS; STEAM PUMPING ENGINES; DEEP WELL POWER HEADS; POWER HEADS; POWER PUMP STANDARDS; WIND MILL FORCE PUMPS, CITY HAND PUMP STANDARDS; POLE CATCHERS, PUMP AND DRILL ROD WRENCHES; SWEDGE BLOCK AND BAR; RUBBER PACKERS; LEAD PACKERS; ANCHORS AND SPREADERS; JARS; PUMP ROD SWIVELS; PUMP ROD JOINTS; DRILL ROD JOINTS; EARTH AUGERS; INSIDE PIPE CUTTERS; RING AND WEDGE PIPE PULLERS; DOUBLE PUMP RODS; PIPE RODS WITH GUIDE COUPLINGS; SINGLE STROKE DEEP WELL WORKING BARRELS; TWO STROKE DEEP WELL WORKING BARRELS; DOUBLE ACTING DEEP WELL WORKING BARRELS; SHALLOW WELL PUMPS; EJECTOR DEEP WELL PUMPS; SINGLE PIPE PACKERS; EASY-PULL CASED WORKING BARRELS, PLAIN BRASS WORKING BARRELS, CASED WORKING BARRELS, ALL BRASS WORKING BARRELS, RECTANGULAR AND OCTAGON WOOD OR PIPE PUMP RODS WITH JOINTS, SHALLOW WELL SELF-PRIMING VERTICAL VOLUTE PUMPS WITH BUILT-IN EJECTORS, DISCHARGE AND AIR CONTROL VALVE FOR EJECTOR PUMPS, AUTOMATIC PACKING BOX FOR EJECTOR PUMPS, VERTICAL CENTRIFUGAL PUMPS, TURBINE PUMPS WITH ENCLOSED LINE SHAFT, TURBINE PUMPS WITH OPEN LINE SHAFT, TURBINE PUMPS, DEEP WELL PUMPING HEADS, DEEP WELL TURBINES, TWO STROKE DEEP WELL POWER HEADS, SINGLE STROKE DEEP WELL POWER HEADS; ELECTRICALLY AND GASOLINE DRIVEN WATER SYSTEMS, CONSISTING OF A PUMP, TANK, ELECTRIC AUTOMATIC CONTROLS, PIPE AND PIPE FITTINGS, SOLD AS A UNIT.

Claims use since Feb. 1, 1924.

Ser. No. 528,963. SUNDSTRAND MACHINE TOOL CO., Rockford, Ill. Filed July 19, 1947. Under section 2f of the act of 1946.

Fluid-Screw

The word "Screw" is disclaimed apart from the mark.

Applicant claims ownership of Registration No. 412,462.

FOR MACHINE TOOLS—NAMELY, MILLING MACHINES.

Claims use since Aug. 22, 1941.

Ser. No. 529,353. CAMERON IRON WORKS, Houston, Tex. Filed July 24, 1947.

FOR CASING CUTTERS, BLOWOUT PREVENTERS, WELL PACKERS, FLOW WINGS FOR WELL CHRISTMAS TREES, AND PIPE FITTINGS—NAMELY, SPOOLS, CROSSES, REDUCERS, ADAPTERS, CASING HEADS, AND TUBING HEADS—ALL ESPECIALLY ADAPTED FOR USE IN THE OIL AND GAS INDUSTRY.

Claims use since 1936.

Ser. No. 529,913. MILWAUKEE INTERNATIONAL, INC., Milwaukee, Wis. Filed July 29, 1947.

STAT A LINER

The term "A Liner" is disclaimed apart from the mark.
FOR WHEEL AND TIRE BALANCING MACHINES OF THE TYPE INCLUDING A STANDARD AND A HEAD ROTATABLY MOUNTED ON THE STANDARD FOR RECEIVING THE WHEEL WITH MEANS FOR INDICATING DEFLECTION OF THE HEAD DURING ROTATION.
Claims use since May 25, 1947.

Ser. No. 530,113. NEW ENGLAND AUTO PRODUCTS CORPORATION, Pottstown, Pa., now by change of name Neapco Products Inc., a corporation of Delaware. Filed July 31, 1947.

NEAPCO

FOR UNIVERSAL JOINTS AND PARTS THEREOF, AND JOINTS AND COMPONENT PARTS USED FOR REPAIR AND REPLACEMENT OF UNIVERSAL JOINTS FOR AUTOMOTIVE AND OTHER APPLICATIONS.
Claims use since Oct. 1, 1923.

Ser. No. 530,185. FRANKLIN RAILWAY SUPPLY COMPANY, Wilmington, Del., and New York, N. Y. Filed Aug. 1, 1947.

FRANKLIN

FOR APPLIANCES FOR USE ON RAILROAD ROLLING STOCK AND PARTICULARLY FOR USE ON LOCOMOTIVES—NAMELY, POWER REVERSE GEARS, OIL AND AIR LINE CONNECTIONS FOR LOCOMOTIVES AND TENDERS, AXLE LUBRICATORS, AUTOMATIC WEDGES FOR DRIVING BOXES, AND LOCOMOTIVE STEAM DISTRIBUTION SYSTEMS COMPRISING CYLINDERS AND VALVE CHESTS, POPPET VALVES, CAM MECHANISMS, VALVE GEARS, DRIVE MECHANISM AND VALVE ADJUSTING MECHANISM INCLUDING REVERSING GEAR.
Claims use since 1915.

Ser. No. 532,333. ARTHUR E. NEUMANN, Chicago, Ill. Filed Aug. 25, 1947.

FIREFLY

FOR LUMINESCENT STIRRING RODS OF PLASTIC MATERIAL.
Claims use since Aug. 15, 1947.

Ser. No. 542,730. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

KELLY

FOR PRINTING PRESSES AND SHEET FEEDERS.
Claims use since May 1916.

Ser. No. 546,789. RALPH W. POE, Canton, Ill. Filed Jan. 12, 1948.

'RALPO'

FOR HAND TOOLS FOR CLEANLY SEVERING PORTIONS OF SHEET METAL FROM BODIES OF THAT MATERIAL.
Claims use since July 1, 1937.

Ser. No. 554,597. JOHN E. POORMAN, Philadelphia, Pa. Filed Apr. 14, 1948.

R AND L

FOR MACHINE METAL LATHE AND PLANE TOOLS—NAMELY, TURNING TOOLS, CUTTING TOOLS, TOOL BITS, BACK RESTS, TAP AND DIE HOLDERS, AND TOOL POSTS.
Claims use since Jan. 2, 1936.

Ser. No. 554,878. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 17, 1948.

Ditto

Applicant claims ownership of Registrations Nos. 127,223 and 127,224.
FOR DUPLICATING MACHINES AND PARTS THEREFOR, AND DUPLICATING ROLLS FOR USE IN DUPLICATING MACHINES.
Claims use since Dec. 16, 1918.

Ser. No. 554,963. ELECTRIC TOOL CORPORATION, Racine, Wis. Filed Apr. 19, 1948.

WhiskER

FOR ELECTRIC HAIR CLIPPERS.
Claims use since Nov. 9, 1938.

Ser. No. 555,254. THE DALTON FOUNDRIES, INC., Warsaw, Ind. Filed Apr. 22, 1948.

SCREWBALL

FOR AUTOMOBILE ACCESSORIES—NAMELY, FOR AUTOMOBILE JACKS.
Claims use since Mar. 1, 1948.

Ser. No. 555,616. NATIONAL TOOL SALVAGE COMPANY, Detroit, Mich. Filed Apr. 26, 1948.



The representation of the goods is disclaimed.
FOR DRILLS, REAMERS, MILLING CUTTERS, AND COUNTERBORES.
Claims use since Jan. 20, 1948.

Ser. No. 555,957. PRINTING INDUSTRIES, INC., New York, N. Y. Filed Apr. 30, 1948.

STAMPOMATIC

FOR GOLD STAMPING PRESSES AND EMBOSSING PRESSES.
Claims use since Oct. 1, 1947.

Ser. No. 558,224. FOOD MACHINERY CORPORATION, San Jose, Calif., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. Filed June 1, 1948.

SPARTAN

FOR PORTABLE POWER DRIVEN MULTI-PURPOSE SPRAYERS PRIMARILY FOR PEST CONTROL ON FARMS, ORCHARDS, WAREHOUSES, ETC.
Claims use since Mar. 5, 1948.

Ser. No. 558,376. EKCO PRODUCTS COMPANY, Chicago, Ill. Filed June 3, 1948.

NEE-ACTION

FOR KITCHEN TOOLS — NAMELY, PEELERS, SLICERS, AND SHREDDERS.
Claims use since July 1, 1938.

Ser. No. 558,381. EVERSHARP, INC., Chicago, Ill. Filed June 3, 1948.

It's STRONED

FOR SAFETY RAZOR BLADES.
Claims use since May 13, 1948.

Ser. No. 558,382. EVERSHARP, INC., Chicago, Ill. Filed June 3, 1948.

THE DEB

FOR LADIES' SAFETY RAZORS.
Claims use since May 14, 1948.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 533,074. J. W. STEELE & Co., North Kansas City, Mo. Filed Sept. 2, 1947.

ONE-LAY

FOR GARMENT FINISHING EQUIPMENT CONSISTING OF FINISHING TABLES, COLLAR BLOCKS, IRON SUPPORTS OR STANDS WITH IRON SWITCH CONTROL, IRON CLEANING AND WAXING DEVICES AND IRON CORD HOLDER, MOISTENERS AND GARMENT SUPPORTING RACKS, SOLD SEPARATELY AND ALSO AS A UNIT.
Claims use since Jan. 1, 1931.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 482,970. BENDIX AVIATION CORPORATION, Detroit, Mich. Original filed, act of 1905, May 4, 1945; amended to application under act of 1946, Principal Register, Sept. 30, 1947. Under section 2f of the act of 1946.

Bendix-Marine

The words "Marine," "Instruments," and "Controlls" are disclaimed apart from the mark.

FOR SONIC DEPTH INDICATORS AND RECORDERS.

Claims use since Mar. 21, 1946.

Ser. No. 497,157. AMERICAN TYPESETTING CORPORATION, Chicago, Ill. Original filed, act of 1905, Feb. 25, 1946; amended to application under act of 1946, Principal Register, June 3, 1948. Under section 2f of the act of 1946.

TRU-TONE

FOR TRANSPARENT LEGEND SHEETS FOR USE IN APPLYING LEGENDS TO A SURFACE ON WHICH THE LEGENDS ARE TO BE ETCHED OR OTHERWISE REPRODUCED.

Claims use since June 10, 1937.

Ser. No. 503,333. STROBO RESEARCH, Milwaukee, Wis. Original filed, act of 1905, June 5, 1946; amended to application under act of 1946, Principal Register, June 25, 1948.

The mark consists of the letters "SR." The shading of the letter "S" indicates the color red.

FOR PHOTOGRAPHIC EQUIPMENT — NAMELY, PHOTOFLASH APPARATUS AND TRIPODS.

Claims use since May 1, 1946.

Ser. No. 511,636. JULES T. PARISI, doing business as Pekay Machine Co., Chicago, Ill. Original filed, act of 1905, Oct. 28, 1946; amended to application under act of 1946, Principal Register, July 19, 1947.

PEKAY POWER PLOWS

No exclusive right to the use of the words "Power Plows" or to the design appearing in the mark is claimed except in the association shown.

FOR AUTOMATIC UNLOADERS FOR USE IN CONJUNCTION WITH CONVEYER BELTS FOR UNLOADING MEASURED QUANTITIES OF GRANULAR MATERIAL THEREFROM.

Claims use since June 1946.

Ser. No. 518,738. THE TRIPLETT ELECTRICAL INSTRUMENT COMPANY, Bluffton, Ohio. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Principal Register, July 18, 1947. Under section 2f of the act of 1946.

TRIPLETT

FOR ELECTRICAL MEASURING AND CONTROL INSTRUMENTS AND ELECTRICAL TEST EQUIPMENT—NAMELY, SIGNAL GENERATORS, WATTMETERS, VOLTMETERS, AMMETERS, VOLT-OHM-MILLIAMMETERS, TUBE TESTERS, FREQUENCY INDICATORS, ELECTRONIC VOLTMETERS, AND MODULATION MONITORS.

Claims use since January 1933.

Ser. No. 519,166. BACHMANN BROS., INC., Philadelphia, Pa. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Supplemental Register, July 21, 1948; amended to application, Principal Register, May 9, 1949.

SOLAREX

HIALEAH

Applicant claims ownership of Registration No. 353,643.

FOR SUN GLASSES.

Claims use since Oct. 3, 1946.

Ser. No. 519,962. HENRY T. KUCERA, doing business as Automatic Devices Co., Chicago, Ill. Original filed, act of 1905, Apr. 1, 1947; amended to application under act of 1946, Principal Register, Oct. 18, 1947.

Weather-Man

FOR TEMPERATURE OPERATED CONTROL SWITCHES FOR HEAT TRANSFER SYSTEMS.

Claims use since April 1946.

Ser. No. 522,119. DONALD R. BRANN, Pleasantville, N. Y. Original filed, act of 1905, May 9, 1947; amended to application under act of 1946, Principal Register, May 13, 1948. Under section 2f of the act of 1946.

EASI-BILD

FOR PATTERNS AND INSTRUCTIONS FOR THE CONSTRUCTION OF FURNITURE, DOLL HOUSES, TOYS, AND THE LIKE.

Claims use since Jan. 1, 1943.

Ser. No. 522,506. LABORATORY FURNITURE COMPANY, INC., Long Island City, N. Y. Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Principal Register, Apr. 29, 1949. Under section 2f of the act of 1946.

STEELAB

FOR TABLES, DESKS, BENCHES AND CABINETS SPECIFICALLY DESIGNED AND CONSTRUCTED FOR LABORATORY AND SCIENTIFIC PURPOSES.

Claims use since July 1, 1925.

Ser. No. 527,753. THE BUDA COMPANY, Harvey, Ill. Filed July 5, 1947.

BUDA

FOR DIESEL NOZZLE TESTER—NAMELY, A HYDRAULIC APPARATUS FOR TESTING THE NOZZLES THROUGH WHICH FUEL IS INJECTED INTO DIESEL ENGINES.

Claims use since 1939.

Ser. No. 527,763. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

AIRSWITCH

FOR THERMOSTATIC SWITCHES FOR CONTROLLING HEATING OR COOLING EQUIPMENT.

Claims use since 1927.

Ser. No. 527,813. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. July 5, 1947. Under section 2f of the act of 1946.

HONEYWELL

FOR THERMOSTATIC REGULATING AND CONTROLLING SWITCHES.

Claims use since 1909.

Ser. No. 527,815. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

GRAD-U-STAT

FOR COMBINED THERMOMETER AND THERMOSTATIC CONTROL UNIT FOR VALVES OR OTHER DEVICES.

Claims use since April 1939.

Ser. No. 527,971. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

ACRATHERM

FOR TEMPERATURE MEASURING AND REGULATING SWITCHES FOR HEATING APPARATUS.

Claims use since May 13, 1935.

Ser. No. 528,116. GEORGE M. CHIN, Irvington, N. J. Filed July 8, 1947.

THE CHEN-CULATOR

The word "Chen" and the representation of the abacus are disclaimed apart from the mark.

FOR CALCULATING SLIDING SCALE AND CHART.

Claims use since June 23, 1947.

Ser. No. 529,463. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 25, 1947. Under section 2f of the act of 1946.

MINNEAPOLIS

Applicant claims ownership of Registration No. 145,279.
FOR THERMOSTATIC REGULATING AND CONTROLLING SWITCHES.
Claims use since 1912.

Ser. No. 529,574. BELL & HOWELL COMPANY, Chicago, Ill. Filed July 26, 1947.



FOR MOTION PICTURE PROJECTORS AND MOTION PICTURE FILM CLEANERS CONSTRUCTED TO BE ATTACHED TO MOTION PICTURE PROJECTORS AND COMPRISING CLEANING BELTS BETWEEN WHICH FILM IS DRAWN AS THE FILM IS FED BY A PROJECTOR AND MEANS FOR MOISTENING THE CLEANING BELTS WITH FILM CLEANING FLUID FILM.
Claims use since Mar. 28, 1930.

Ser. No. 531,424. BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Aug. 15, 1947. Under section 2f of the act of 1946.



The word "Company" is disclaimed.
FOR THERMOSTATS, CLOCK THERMOSTATS, ELECTRICAL CONTROLS—NAMELY, IMMERSION TYPE THERMOSTATIC SWITCH HOT WATER CONTROLS AND STRAP-ON THERMOSTATIC SWITCH HOT WATER CONTROLS, MECHANICAL TEMPERATURE CONTROLS COMPRISING A FLOW CONTROL MEMBER DIRECTLY ACTUATED BY A THERMALLY RESPONSIVE ELEMENT, THERMOMETERS, AND LIQUID LEVEL GAUGES.
Claims use on thermostats and clock thermostats and electrical controls—namely, immersion type thermostatic switch hot water controls and strap-on thermostatic switch hot water controls since Mar. 2, 1936; and on mechanical temperature controls, thermometers, and liquid level gauges since June 10, 1940.

Ser. No. 536,551. SAMPSEL TIME CONTROL, INC., Spring Valley, Ill. Filed Oct. 2, 1947.



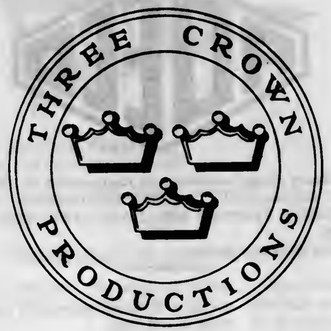
FOR AUTOMATIC CONTROL SWITCHES—NAMELY, (1) TIME SWITCHES USED AS FIRE PILOT CONTROLS, (2) PRESSURE ACTUATED CONTROL SWITCHES USED AS STEAM AND HOT WATER LIMIT CONTROLS, (3) THERMOSTATIC AND BIOMETRIC THERMOSTATIC SWITCHES.
Claims use since Aug. 1, 1947.

Ser. No. 543,678. BELL & HOWELL COMPANY, Chicago, Ill. Filed Dec. 8, 1947.

FILMO

Applicant claims ownership of Registrations Nos. 193,964 and 256,743.
FOR MOTION PICTURE CAMERAS, MOTION PICTURE PROJECTORS, STILL PICTURE PROJECTORS, TITLERS FOR MOTION PICTURE CAMERAS AND REPLACEMENT LAMPS THEREFOR, PHOTOGRAPHIC LENSES, CLOSE-UP ATTACHMENTS FOR PHOTOGRAPHIC LENSES, FILTERS FOR PHOTOGRAPHIC LENSES, PORTRAIT ATTACHMENTS FOR PHOTOGRAPHIC LENSES, DIRECT FOCUSING FINDERS FOR PHOTOGRAPHIC CAMERAS, FADERS FOR MOTION PICTURE CAMERAS, FOCUSING ALIGNMENT GAUGES FOR PHOTOGRAPHIC CAMERAS, VIEW FINDERS FOR PHOTOGRAPHIC CAMERAS, WINDING KEYS FOR MOTION PICTURE CAMERAS, TRIPODS FOR PHOTOGRAPHIC CAMERAS, ADAPTERS FOR PROJECTION AND PHOTOGRAPHIC LENSES, REWINDERS FOR MOTION PICTURE FILM, MOTION PICTURE FILM SPLICERS, EDITING DEVICES FOR MOTION PICTURE FILM CONSISTING OF COMBINED VIEWING DEVICES, SPLICERS AND REWINDERS, FILM DEFECT INDICATORS FOR MOTION PICTURE FILM, PICTURE MAGNIFIERS FOR MOTION PICTURE FILM, VIEWERS FOR MOTION PICTURE FILM, PROJECTION LENSES FOR PICTURE PROJECTORS, CONDENSER LENSES FOR PICTURE PROJECTORS, CLEANING DEVICES FOR MOTION PICTURE FILM, CLEANING TAPE FOR MOTION PICTURE FILM CLEANING DEVICES, MICROFILM EQUIPMENT CONSISTING OF MICROFILM RECORDERS AND READERS, AND REPLACEMENT LAMPS FOR MOTION PICTURE PROJECTORS.
Claims use since July 1, 1941.

Ser. No. 547,684. BIRGER E. WILLIAMSON, doing business as Three Crown Productions, San Jose, Calif. Filed Jan. 21, 1948.



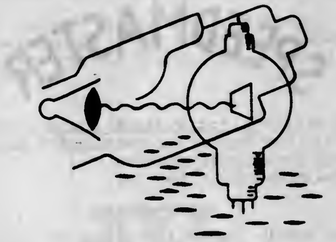
The word "Production" is disclaimed.
FOR MOTION PICTURE FILMS.
Claims use since June 15, 1947.

Ser. No. 549,790. ELECTRIC EYE EQUIPMENT COMPANY, Danville, Ill. Filed Feb. 16, 1948.

HURLETRON

Applicant claims ownership of Registration No. 413,129.
FOR ELECTRONIC EQUIPMENT—VIZ., APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING ARTICLES OF MANUFACTURE FOR SIZE, THICKNESS, SHAPE, AND OTHER DIMENSIONAL CHARACTERISTICS; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL AND ELECTRIC PARTS ASSOCIATED THEREWITH FOR CONTROLLING THE SIZE, THICKNESS, SHAPE AND OTHER DIMENSIONAL CHARACTERISTICS OF ARTICLES OF MANUFACTURE; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL AND ELECTRICAL PARTS ASSOCIATED THEREWITH FOR TESTING THE PERFORMANCE OF ARTICLES OF MANUFACTURE SUCH AS THE TESTING OF SPRINGS FOR RETRACTION AND COMPRESSION; AND APPARATUS USING ELECTRONIC DEVICES AND ELECTRICAL AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING AND CONTROLLING THE CONSISTENCY OF LIQUID AND SOLID MIXTURES SUCH AS PAPER PULP, WOOD PULP, AND THE LIKE; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR AUTOMATICALLY CONTROLLING THE REGISTRATION OF MULTICOLOR CONTINUOUS WEB PRINTING PRESSES; APPARATUS USING STROBOSCOPIC LAMPS FOR OBSERVING A MOVING WEB SUCH AS ON A PRINTING PRESS; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING THE ELECTRICAL CHARACTERISTICS OF MANUFACTURED PRODUCTS SUCH AS BATTERIES AND CAPACITORS.
Claims use since July 19, 1944.

Ser. No. 549,791. ELECTRIC EYE EQUIPMENT COMPANY, Danville, Ill. Filed Feb. 16, 1948.



The representation of an electric tube is disclaimed apart from the mark.
FOR ELECTRONIC EQUIPMENT—VIZ., APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING ARTICLES OF MANUFACTURE FOR SIZE, THICKNESS, SHAPE, AND OTHER DIMENSIONAL CHARACTERISTICS; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL AND ELECTRIC PARTS ASSOCIATED THEREWITH FOR CONTROLLING THE SIZE, THICKNESS, SHAPE AND OTHER DIMENSIONAL CHARACTERISTICS OF ARTICLES OF MANUFACTURE; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES, AND MECHANICAL AND ELECTRICAL PARTS ASSOCIATED THEREWITH FOR TESTING THE PERFORMANCE OF ARTICLES OF MANUFACTURE SUCH AS THE TESTING OF SPRINGS FOR RETRACTION AND COMPRESSION; AND APPARATUS USING ELECTRONIC DEVICES AND ELECTRICAL AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING AND CONTROLLING THE CONSISTENCY OF LIQUID AND SOLID MIXTURES SUCH AS PAPER PULP, WOOD PULP, AND THE LIKE; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR AUTOMATICALLY CONTROLLING THE REGISTRATION OF MULTICOLOR CONTINUOUS WEB PRINTING PRESSES; APPARATUS USING STROBOSCOPIC LAMPS FOR OBSERVING A MOVING WEB SUCH AS ON A PRINTING PRESS; APPARATUS USING PHOTOTUBES, ELECTRONIC TUBES AND MECHANICAL PARTS ASSOCIATED THEREWITH FOR TESTING THE ELECTRICAL CHARACTERISTICS OF MANUFACTURED PRODUCTS SUCH AS BATTERIES AND CAPACITORS.
Claims use since July 19, 1944.

Ser. No. 550,449. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

FOR GROUP B—THERMOSTATS, TIME (CLOCK) THERMOSTATS, WATER GAUGES, AIR PRESSURE GAUGES, ELECTRIC CLOCK-TYPE TIME CONTROL SWITCHES FOR FANS, PUMPS, AND OTHER APPARATUS, THERMOSTATIC CONTROL SWITCHES FOR GAS AND OIL HOUSEHOLD HEATING SYSTEMS, THERMOSTATIC CONTROL SWITCHES FOR FIRE POT AND FLUE DAMPERS USED IN HOUSEHOLD HEATING SYSTEMS, PRESSURE GAUGES.
Claims use since July 15, 1946, on Group B.

Ser. No. 556,863. ARMIN A. BEHRENS, New York, N. Y. Filed May 12, 1948.

SPEEDMASTER

FOR MANIPULATABLE SLIDE CHART CONTAINING DATA FOR OBTAINING INFORMATION REGARDING THE LOCATION OF STREETS.
Claims use since Apr. 7, 1948.

Ser. No. 556,919. ERNEST L. ROWLAND, JR., doing business as Rowland Research Laboratories, Jacksonville, Fla. Filed May 12, 1948.

PHOTOMICRON

FOR BLOOD COUNTING AND TESTING APPARATUS INCLUDING A LIGHT SENSITIVE ELEMENT AND A METER FOR PROVIDING READINGS RELATIVE TO BLOOD CONSTITUENTS.
Claims use since May 1947.

Ser. No. 563,116. THE HAYS CORPORATION, Michigan City, Ind. Filed Aug. 10, 1948.

FORCEMITTER

FOR FORCE MEASURING TRANSMITTER—NAMELY, A TRANSMITTER OF THE TYPE USING AN UNBONDED ELECTRICAL STRAIN GAUGE AS THE METERING ELEMENT.
Claims use since June 1, 1947.

Ser. No. 564,101. DIEBOLD, INCORPORATED, Canton, Ohio. Filed Aug. 25, 1948.

FLOPRINT

FOR PHOTOGRAPHIC FILMS AND SENSITIZED PHOTOGRAPHIC PAPERS IN STRIP, ROLL, AND PAD FORM.
Claims use since Dec. 7, 1947.

Ser. No. 565,519. WILSON MECHANICAL INSTRUMENT COMPANY, INC., Bridgeport, Conn. Filed July 15, 1948. Under section 2f of the act of 1946.

ROCKWELL

Applicant claims ownership of Registrations Nos. 307,253 and 182,553.
FOR TEST BLOCKS USED FOR REFERENCE STANDARDS IN THE MEASUREMENT OF THE HARDNESS OF MATERIALS.
Claims use since Oct. 1, 1930.

Ser. No. 566,682. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill. Filed Oct. 8, 1948.

ADECO

Applicant claims ownership of Registration No. 389,089.
FOR HYDRAULIC TESTING EQUIPMENT—NAMELY, NOZZLE TESTERS AND HAND-OPERATED TEST PUMPS.
Claims use since 1942.

Ser. No. 566,688. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Oct. 8, 1948.

BALEX

FOR SPECTACLE LENSES.
Claims use since June 4, 1948.

Ser. No. 566,692. CORY CORPORATION, Chicago, Ill. Filed Oct. 8, 1948. Under section 2f of the act of 1946.

CORY

Applicant claims ownership of Registration No. 331,919.
FOR COFFEE MEASURING CUPS.
Claims use since May 20, 1934.

Ser. No. 566,908. ZYLITE OPTICAL CO. INC., New York, N. Y. Filed Oct. 12, 1948.

Paradise

FOR SPECTACLE FRAMES.
Claims use since Oct. 8, 1948.

Ser. No. 566,964. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 14, 1948.

ANEMOTHERM

FOR INSTRUMENT FOR MEASURING THE TEMPERATURE, VELOCITY, AND OTHER CONDITIONS OF AIR AND GASES.
Claims use since July 14, 1948.

Ser. No. 567,641. MARINE OPTICAL MFG. CO., Boston, Mass. Filed Oct. 26, 1948.

PENNANT

FOR OPTICAL FRAMES.
Claims use since Oct. 19, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 564,253. RAYMOND J. CONTRAN, West Hartford, Conn. Filed Aug. 19, 1948.

America's SALEM CLOCKS Finest

The words "America's Finest" and "Clocks" are disclaimed apart from the mark. The drawing is lined for shading only.
FOR CLOCKS.
Claims use since Dec. 14, 1945.

Ser. No. 568,182. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1948.

TWA

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 8, 1948.

Ser. No. 568,183. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1948.

TWA
AIRMAN

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 8, 1948.

Ser. No. 568,185. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1948.

TWA
FLYER

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since Oct. 8, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 510,268. EDWARD H. MORSE, Attleboro, Mass. Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948.

EHM

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT WHICH ARE ELECTRO-PLATED WITH PRECIOUS METAL, NOT INCLUDING WATCHES—NAMELY, BRACELETS, BROOCHES, FOBS, CRAVAT HOLDERS, KEY CHAINS, LOCKETS, AND PENDANTS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS—NAMELY, CUFF LINKS, LAPEL BUTTONS, AND BELT BUCKLES.
Claims use since Aug. 2, 1940.

Ser. No. 510,270. EDWARD H. MORSE, Attleboro, Mass. Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948.

QUALITY
EHM
CO

The words "Quality" and "Co" are disclaimed apart from the mark.
FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT WHICH ARE ELECTRO-PLATED WITH PRECIOUS METAL, NOT INCLUDING WATCHES—NAMELY, BRACELETS, BROOCHES, FOBS, CRAVAT HOLDERS, KEY CHAINS, LOCKETS, AND PENDANTS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, CUFF LINKS, LAPEL BUTTONS, AND BELT BUCKLES.
Claims use since Feb. 26, 1941.

Ser. No. 555,335. FERDINAND L. BAUM, Providence, R. I. Filed Apr. 22, 1948.

ARBOR JC

FOR NECKLACES, CHOKERS, BRACELETS, EARRINGS, AND EAR CLIPS, ORNAMENTAL PINS, BROOCHES, TIE PINS, AND TIE CLASPS.
Claims use since Dec. 31, 1947.

Ser. No. 557,748. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed May 25, 1948.

ETRUSCAN

FOR STERLING SILVER AND SILVER-PLATED FLATWARE, HOLLOW WARE, AND TABLE CUTLERY.
Claims use since Nov. 11, 1914.

Ser. No. 570,435. J. ARTHUR ROGERS & SON, Chicago, Ill. Filed Dec. 13, 1948.

BLU-CREST

FOR FINGER RINGS.
Claims use since Oct. 22, 1948.

Ser. No. 571,355. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Dec. 30, 1948.

LASTING SPRING

FOR STERLING SILVER FLAT TABLEWARE.
Claims use since Dec. 2, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 537,274. WILLIAM ADAMS & SONS (POTTERS) LIMITED, Tunstall, Stoke-on-Trent, England. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

ADAMS

FOR DINNER WARE, TEA WARE, BREAKFAST WARE, DESSERT WARE AND WARE SUPPLEMENTARY THERETO, SUCH AS BOWLS, PLATTERS, AND SERVING DISHES MADE OF VARIOUS COMBINATIONS OF CLAYS, FLINT, AND STONE WITH A GLAZE APPLIED THERETO.
Claims use since 1780.

Ser. No. 545,647. THE RED WING POTTERIES, INC., Red Wing, Minn. Filed Dec. 29, 1947.

TOWN & COUNTRY T&C By RED WING

FOR SEMI-PORCELAIN VASES, FLOWER POTS, VEGETABLE DISHES, MIXING BOWLS, BATTER JUGS, BREAD AND BUTTER PLATES, CAKE COVERS, CASSEROLES, CELERY TRAYS, COMPOTE PLATES, DINNER PLATES, SUGAR AND CREAMERS, COFFEE CUPS AND SAUCERS, BOUILLON CUPS, EGG CUPS, TEA CUPS, GRAPE FRUIT PLATES, ICE TUBS, MUSTARD CUPS, OATMEAL BOWLS, RELISH PLATES, DESSERT PLATES, SOUP PLATES, COMPARTMENT PLATES, PLATTERS, PUDDING DISHES, SALAD PLATES, AND SAUCE BOATS.
Claims use since July 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 516,169. BENDIX AVIATION CORPORATION, Detroit, Mich. Original filed, act of 1905, Jan. 23, 1947; amended to application under act of 1946, Principal Register, July 31, 1947.

ZENITH

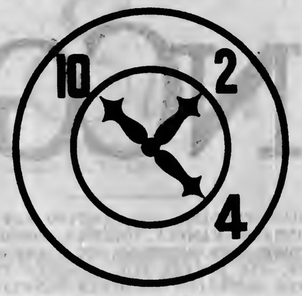
FOR FLUID FILTERS OF THE SURFACE FILTRATION TYPE.
Claims use since 1927.

Ser. No. 516,170. BENDIX AVIATION CORPORATION, Detroit, Mich. Original filed, act of 1905, Jan. 23, 1947; amended to application under act of 1946, Principal Register, July 31, 1947.



FOR FLUID FILTERS OF THE SURFACE FILTRATION TYPE.
Claims use since 1936.

Ser. No. 526,282. DR. PEPPER COMPANY, Dallas, Tex. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Sept. 17, 1948.



FOR BEVERAGE ICE BOXES AND COOLERS.
Claims use since 1934.

Ser. No. 530,625. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

CULLIGAN

Applicant claims ownership of Registrations Nos. 421,540, 426,059, and 430,904.
FOR WATER SOFTENERS OF THE ZEOLITE TYPE FOR SOFTENING, TREATING, AND FILTERING WATER.
Claims use since Jan. 21, 1938.

Ser. No. 550,271. TERMINAL MANUFACTURING CO., San Francisco, Calif. Filed Feb. 20, 1948. Under section 2f of the act of 1946.

INVERTED LIP

FOR MILK COOLERS, OF THE TYPE HAVING A NUMBER OF TUBES CONNECTED IN PARALLEL.
Claims use since Jan. 2, 1931.

Ser. No. 562,257. ED FRIEDRICH, INC., San Antonio, Tex. Filed July 27, 1948. Under section 2f of the act of 1946.

FLOATING AIR

Applicant claims ownership of Registration No. 334,380.
FOR ELECTRIC, COMMERCIAL, REFRIGERATED DISPLAY CASES.
Claims use since Jan. 15, 1934.

Ser. No. 562,258. ED FRIEDRICH, INC., San Antonio, Tex. Filed July 27, 1948. Under section 2f of the act of 1946.

TENDERIZER

Applicant claims ownership of Registration No. 365,274.
FOR ELECTRIC, HOUSEHOLD AND COMMERCIAL, REFRIGERATED FOOD FREEZERS.
Claims use since Jan. 6, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 491,017. INVINCIBLE METAL FURNITURE CO., Manitowoc, Wis. Original filed, act of 1905, Nov. 3, 1945; amended to application under act of 1946, Principal Register, Apr. 19, 1948.

INVINCIBLE

Applicant claims ownership of Registration No. 216,977.
FOR OFFICE FURNITURE—NAMELY, FILING CABINETS, DESKS, AND CUPBOARDS.
Claims use since 1935.

Ser. No. 504,880. BROWN-SALTMAN FURNITURE CO., South Gate, Calif. assignee of Brown-Saltman. Original filed, act of 1905, July 1, 1946; amended to application under act of 1946, Principal Register, Mar. 31, 1948. Under section 2f of the act of 1946.

Brown-Saltman · CALIFORNIA MODERN MODE

The words "California" and "Modern Mode" are disclaimed. Applicant claims ownership of Registration No. 354,076.
FOR DAVENPORTS, CLUB CHAIRS, OCCASIONAL CHAIRS, SECTIONAL CHAIRS, LOVE-SEATS, OTTOMANS, END TABLES, COFFEE TABLES, CONSOLE TABLES, CARD TABLES, BOOKCASES, DESKS, DRUM TABLES, OCCASIONAL TABLES, BUFFETS, SERVERS (CHESTS; E. G. THE LOWER HALF OF CHINA CLOSETS), DINING TABLES, DINETTE TABLES, UPHOLSTERED CHAIRS, DINING ROOM CHAIRS, RECLINING CHAIRS, BEDS, NIGHT TABLES, CHESTS OF DRAWERS, VANITIES, DRESSING TABLES, BENCHES FOR VANITIES, FIRESIDE BENCHES, BENCHES FOR HALLWAYS OR RECEPTION ROOMS, BOUDOIR CHAIRS, CHAISE LONGUES, LIQUOR CABINETS, REFRESHMENT BARS, EMPTY RADIO CABINETS.
Claims use since June 5, 1937.

Ser. No. 546,064. THE SHAW-WALKER COMPANY, Muskegon, Mich. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

SHAW-WALKER

FOR FILING CABINETS, INSULATED AND NON-INSULATED, STORAGE CABINETS, CARD CABINETS, POSTING TRAYS, WARDROBES AND CUPBOARDS, OFFICE DESKS AND TABLES, BOOKCASES, OFFICE CHAIRS, PLAIN AND UPHOLSTERED.
Claims use since Mar. 8, 1899.

Ser. No. 559,940. MORGAN FURNITURE COMPANY, Asheville, N. C. Filed June 22, 1948.

SILVERMIST

Applicant claims ownership of Registration No. 422,061.
FOR BEDROOM FURNITURE—NAMELY, BEDS, DRESSERS, CHESTS OF DRAWERS, NIGHT TABLES, VANITY TABLES, AND VANITY TABLE BENCHES.
Claims use since July 1947.

Ser. No. 561,522. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Olympic

FOR MATTRESSES AND SPRINGS FOR BEDSTEADS.
Claims use since 1925.

Ser. No. 561,526. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

Tru-Comfort

FOR SPRINGS FOR BEDSTEADS.
Claims use since November 1946.

CLASS 33

GLASSWARE

Ser. No. 533,169. KERR GLASS MANUFACTURING CORPORATION, Sand Springs, Okla. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

"SELF SEALING"

Applicant claims ownership of Registration No. 314,468.
FOR GLASS JARS AND GLASS CONTAINERS FOR USE IN PRESERVING FOODS.
Claims use since Oct. 1, 1904.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 539,977. NEWARK FIRE PROOF SASH AND DOOR COMPANY, INC., Newark, N. J. Filed Nov. 3, 1947.

CARLCO

FOR WINDOW VENTILATORS MADE OF METAL, OVENS, HUMIDIFIERS, AND PICNIC GRILLS.
Claims use since Aug. 1, 1947.

Ser. No. 545,515. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Dec. 26, 1947.

NCG

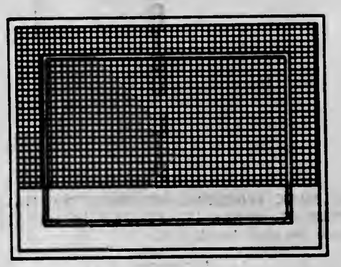
FOR GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, GAS MIXERS FOR TORCHES, CUTTING MACHINES, BEVELING MACHINES, BEVELING AND SHAPE CUTTING ATTACHMENTS FOR CUTTING MACHINES, GAS GENERATORS, AND PARTS FOR THE FOREGOING.
Claims use since 1935.

Ser. No. 546,667. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 10, 1948.

Strand

FOR STOVES AND RANGES.
Claims use since Jan. 15, 1935.

Ser. No. 547,268. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 16, 1948.



The drawing is lined to indicate shading.
FOR GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, GAS MIXERS FOR TORCHES, CUTTING MACHINES, BEVELING MACHINES, BEVELING AND SHAPE CUTTING ATTACHMENTS FOR CUTTING MACHINES, GAS GENERATORS, AND PARTS FOR THE FOREGOING.
Claims use since November 1946.

Ser. No. 547,272. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 26, 1948.

Eton

FOR STOVES AND RANGES.
Claims use since Jan. 10, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 518,054. J. W. SPEAKER CORPORATION, Milwaukee, Wis. Original filed, act of 1905, Feb. 24, 1947; amended to application under act of 1946, Principal Register, Apr. 16, 1948.



The word "Quality" is disclaimed apart from the mark.
FOR TIRE TUBE REPAIR KITS SOLD AS A UNIT AND CONSISTING OF A PRESSURE APPLYING DEVICE, A HEATING ELEMENT AND VULCANIZABLE TIRE AND TUBE PATCHES; VULCANIZABLE TIRE CASING AND TUBE PATCHES OF DIFFERENT SHAPES AND SIZES AND VULCANIZABLE PATCHING SHEETS ADAPTED TO BE CUT TO SIZE; VULCANIZABLE TIRE AND TUBE PATCHES ADHERED TO METAL CARRYING PLATES ADAPTED FOR COACTION WITH ELECTRICAL HEATING UNITS; VULCANIZABLE TIRE AND TUBE PATCHES ADHERED TO SHALLOW METAL PANS CONTAINING A COMBUSTIBLE FUEL ADAPTED UPON IGNITION TO PROVIDE HEAT FOR VULCANIZATION; AND RUBBER RIVETS FOR SEALING SMALL HOLES IN RUBBER TIRE CASINGS.
Claims use since June 2, 1941.

Ser. No. 521,307. J. W. SPEAKER CORPORATION, Milwaukee, Wis. Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Apr. 21, 1948.

Speaker

FOR TIRE AND TUBE REPAIR EQUIPMENT—NAMELY, VULCANIZABLE REPAIR PATCHES AND VALVE STEMS, ADAPTED TO BE VULCANIZED TO TIRE CASINGS AND INNER TUBES FOR TIRES; TIRE TUBE REPAIR KITS SOLD AS A UNIT AND CONSISTING OF A PRESSURE APPLYING DEVICE, A HEATING ELEMENT, AND VULCANIZABLE TIRE AND TUBE PATCHES; TIRE TUBE BLOW-OUT PATCHES; RUBBER RIVETS FOR CLOSING SMALL HOLES IN TIRE CASINGS; AND RUBBER PATCHES ADAPTED TO BE CEMENTED AND/OR TO BE VULCANIZED TO TIRE CASINGS AND INNER TUBES.
Claims use since Feb. 15, 1936.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,523. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

DATA

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1933.

Ser. No. 532,771. UARCO INCORPORATED, Chicago, Ill. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

E-Z-OUT

Applicant claims ownership of Registration No. 332,853.
FOR WRITING PADS INTERLEAVED WITH TRANSFER SLIPS.
Claims use since Aug. 16, 1934.

Ser. No. 542,054. SHELLMAR PRODUCTS CORPORATION, Chicago, Ill. Filed Nov. 22, 1947.

DUROSEAL

FOR COATED HEAT-SEALABLE FIBROUS AND NON-FIBROUS CELLULOSIC WRAPPING MATERIAL.
Claims use since Sept. 23, 1947.

Ser. No. 563,356. OAK RIDGE MANUFACTURING COMPANY, Charleston, S. C. Filed Aug. 13, 1948.

ORMCO

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since July 18, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 513,286. JACKSON CHAMBER OF COMMERCE, Jackson, Miss. Original filed, act of 1905, Nov. 26, 1946; amended to application under act of 1946, Principal Register, June 7, 1948.



The words "You've Scratched Ours—Now We Scratch Back" are disclaimed apart from the mark shown.
FOR PRINTED PERIODICAL PUBLISHED FROM TIME TO TIME.
Claims use since August 1941.

Ser. No. 530,905. AMERICAN TAG COMPANY, Chicago, Ill. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

AMERICAN

FOR PRINTED TAGS AND PIN TICKETS, EMBOSSED SEALS, DISPLAY CARDS SOLD AS SUCH.
Claims use since Apr. 1, 1931.

Ser. No. 534,260. FENTON LABEL COMPANY, Philadelphia, Pa. Filed Sept. 12, 1947. Under section 2f of the act of 1946.



The right to the use of the word "Labels" separate and apart from the mark as shown is disclaimed.
FOR GUMMED PAPER LABELS PRINTED AND READY FOR USE.
Claims use since Feb. 1, 1919.

Ser. No. 544,797. THE P. F. VOLLAND CO., Joliet, Ill. Filed Dec. 18, 1947.

PAPER CAPER

FOR GREETING CARDS—NAMELY, GREETING FOLDERS.
Claims use since Oct. 2, 1947.

Ser. No. 555,309. MANUELITA SCHALLER, Union City, N. J. Filed Apr. 22, 1948.

The "Super-Science" Religion

OF SPIRIT! AND SPOOK!

The word "Religion" is disclaimed.
FOR RELIGIOUS PUBLICATIONS, IN PAMPHLET FORM ISSUED FROM TIME TO TIME.
Claims use since January 1946.

Ser. No. 563,412. DOW, JONES & COMPANY, INC., New York, N. Y. Filed Aug. 14, 1948.

Review and Outlook

FOR SECTION OF A DAILY NEWSPAPER.
Claims use since Jan. 8, 1944.

Ser. No. 564,791. BOWMAR H. VIRDEN, State College, Miss. Filed Sept. 7, 1948.



FOR MAGAZINES.
Claims use since September 1936.

Ser. No. 565,129. THE KIPLINGER EDITORS, INC., Washington, D. C. Filed Sept. 14, 1948.



FOR WEEKLY AGRICULTURAL LETTER.
Claims use since Apr. 25, 1931.

Ser. No. 565,130. THE KIPLINGER WASHINGTON AGENCY, INC., Washington, D. C. Filed Sept. 14, 1948.



FOR WEEKLY NEWSLETTER.
Claims use since Oct. 6, 1923.

Ser. No. 565,403. THOMAS E. ALLISON, doing business as AC Screen Process Company, Dallas, Tex. Filed Sept. 18, 1948.

SAFTICAL

FOR DECALCOMANIAS.
Claims use since Sept. 1, 1948.

Ser. No. 565,812. RADIOTIME, INC., Lincoln, Nebr. Filed Sept. 24, 1948.

RADIOTIME

FOR PERIODICAL PUBLICATION.
Claims use since June 6, 1948.

Ser. No. 567,065. BASIC PUBLICATIONS, INC., New York, N. Y. Filed Oct. 16, 1948.

YOUR MARRIAGE

FOR MAGAZINE PUBLISHED FROM TIME TO TIME.
Claims use since Oct. 11, 1948.

CLASS 39

CLOTHING

Ser. No. 532,059. THE RIVOLI MILLS, INCORPORATED, Chattanooga, Tenn. Filed Aug. 21, 1947.

RIVOLETTES

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWEAT SHIRTS, CARDIGANS, PULLOVER SWEATERS, VESTS, PANTIES, UNDERSHIRTS, T SHIRTS, POLO SHIRTS, UNION SUITS, DRAWERS, SNUGGIES, AND SLIPS.
Claims use since Sept. 1, 1930.

Ser. No. 532,131. FORTY WINKS, INC., New York, N. Y. Filed Aug. 22, 1947.

Forty Winks

FOR LADIES' NEGLIGEES AND PAJAMAS.
Claims use since Feb. 9, 1934.

Ser. No. 532,634. THE RIVOLI MILLS, INCORPORATED, Chattanooga, Tenn. Filed Aug. 27, 1947.



FOR MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWEAT SHIRTS, CARDIGANS, PULLOVER SWEATERS, VESTS, PANTIES, UNDERSHIRTS, T SHIRTS, POLO SHIRTS, UNION SUITS, DRAWERS, SNUGGIES, AND SLIPS.
Claims use since Sept. 1, 1930.

Ser. No. 533,225. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 2, 1947. CONCURRENT USE for the area comprising the United States and its territories and non-continental possessions except the States of Maryland and Virginia and the District of Columbia.

CAPER CAP BAR

The term "Cap Bar" is disclaimed. Applicant claims ownership of Registration No. 362,747.
FOR WOMEN'S AND MISSES' HATS.
Claims use since January 1942 as to the mark shown; and since Feb. 1, 1938, as to "Kaper Kap."

Ser. No. 534,672. RAINBOW SHOPS, INC., Brooklyn, N. Y. Filed Sept. 16, 1947.

Rainbow SHOPS

The word "Shops" is disclaimed. Applicant claims ownership of Registration No. 159,720.
FOR SLIPS, PETTICOATS, NIGHTGOWNS, PAJAMAS, LOUNGING PAJAMAS AND ROBES, PANTIES, VESTS, BANDEAUS, GIRDLES, GOWN SETS COM-

PRISED OF NIGHTGOWNS AND NEGLIGEE ROBES, BRIDAL SETS COMPRISED OF SLIPS, PANTIES, AND NIGHTGOWNS, BED JACKETS, BLOUSES, SKIRTS, GUIMPES, JACKETS, JERKIN SETS COMPRISED OF SLACKS, SKIRTS, AND SLEEVELESS JACKETS, SWEATERS, SUITS, SLACKS, SLACK SUITS, PLAY SUITS, SHORTS, HALTERS, BATHING SUITS, BATHING CAPS, BEACH SHIRTS AND ROBES, COLLARS, SCARFS, HANDKERCHIEFS, HOSIERY, ANKLETS, FOOT SOCKS, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, PLAYSHOES AND HOUSE SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since 1925.

Ser. No. 535,126. BURSON KNITTING COMPANY, Rockford, Ill. Filed Sept. 20, 1947. Under section 2f of the act of 1946.

Tru-Fashioned

FOR HOSIERY.

Claims use since Mar. 20, 1929.

Ser. No. 539,141. ESSERMAN BROS., New York, N. Y. Filed Oct. 27, 1947.

SIMULA-BROADTAIL

(Moire Persian Paw)

The words "Moire Persian Paw" are disclaimed. The word "Broadtail" is disclaimed except as used in association with the word "Simula."

FOR LADIES' FUR COATS MADE OF PERSIAN PAW FUR.

Claims use since Sept. 1, 1947.

Ser. No. 541,079. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

BUR-MIL QUALITY

No claim is made to the word "Quality" apart from the mark shown. Applicant claims ownership of Registration No. 399,872.

FOR MEN'S COTTON HALF HOSE AND MEN'S WOOL HALF HOSE.

Claims use since June 18, 1940.

Ser. No. 543,766. WOODROW STORES, INC., New York, N. Y. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

FINEST LOROWAT STYLE WOODROW Supreme QUALITY

The words "Supreme Quality" are disclaimed. Applicant claims ownership of Registrations Nos. 390,522, 404,701, and 404,702.

FOR MEN'S AND BOYS' HATS.

Claims use since Mar. 21, 1941.

Ser. No. 544,880. KRASNOW BELT CO., INC., New York, N. Y. Filed Dec. 19, 1947.

Shellovan

FOR LEATHER GARMENT BELTS FOR MEN.

Claims use since Oct. 23, 1947.

Ser. No. 546,252. THE VAN WERT MANUFACTURING CO., Van Wert, Ohio. Filed Jan. 5, 1948.

VAN-TEX

FOR OVERALLS; SERVICE COATS; COVERSUITS; MEN'S, WOMEN'S, AND CHILDREN'S LINED AND UNLINED JACKETS MADE FROM LEATHER AND TEXTILES; BOYS' AND MEN'S PANTS AND BREECHES; MEN'S WORK AND DRESS SHIRTS; SMOCKS; CAPS; LADIES' SLACKS.

Claims use since Jan. 10, 1925.

Ser. No. 547,016. M.K.M. HOSIERY MILLS, INC., Boston, Mass. Filed Jan. 14, 1948.



The drawing is lined for the colors blue and gold. Applicant claims ownership of Registration No. 248,837.

FOR HOSIERY.

Claims use since 1928.

Ser. No. 548,804. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Feb. 5, 1948.

Glo-Knit

FOR MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S, AND INFANTS' OVERCOATS, TOPCOATS, COATS, SUITS, VESTS, TROUSERS, SLACKS, CLOAKS, CAPES, COAT SETS, AND LEGGING SETS, ALL MADE OF TEXTILE FABRICS.

Claims use since Jan. 5, 1948.

Ser. No. 549,455. MAURICE J. MARKELL, Brooklyn, N. Y. Filed Feb. 11, 1948. Under section 2f of the act of 1946.

MARKELL'S

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND SLIPPERS OF LEATHER, OF CLOTH, AND OF COMBINATIONS OF LEATHER AND CLOTH.

Claims use since Mar. 1, 1914.

Ser. No. 550,133. JOHN L. FEAD & SONS, Port Huron, Mich. Filed Feb. 19, 1948.

NY-SPLICE

The word "Splice" is disclaimed.

FOR HOSIERY.

Claims use since Jan. 30, 1948.

Ser. No. 550,668. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 27, 1948.

BROADLYN

FOR OUTER SHIRTS, UNDER SHORTS FOR MEN, AND HANDKERCHIEFS AND NECKTIES FOR MEN AND BOYS.

Claims use since March 1943.

Ser. No. 554,541. WOLVERINE SHOE & TANNING CORPORATION, Rockford, Mich. Filed Apr. 13, 1948.

WOLVERINE Shell Horse-Hide WOLVERINE SHELL HORSE-HIDE WORK SHOES

The words "Shell Horse-Hide Work Shoes," "Wear 1000 Miles," "Shell Horse-Hide," and "Stay Soft" and the representation of a shoe are disclaimed apart from the mark. The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 268,422 and 143,043.

FOR MEN'S WORK SHOES CONSTRUCTED OF HORSEHIDE LEATHER AND ALSO CONSTRUCTED FROM HORSEHIDE LEATHER WITH A COMPOSITION RUBBER SOLE.

Claims use since July 1, 1932.

Ser. No. 555,482. GEORGE S. BAILEY HAT CO., INC., Los Angeles, Calif. Filed Apr. 24, 1948. Under section 2f of the act of 1946.

BAILEY

Applicant claims ownership of Registration No. 500,012.

FOR MEN'S HATS.

Claims use since Aug. 10, 1929.

Ser. No. 556,144. W. SHANHOUSE SONS, INC., Rockford, Ill. Filed May 3, 1948.

JET-JAC

The word "Jac" is disclaimed apart from the mark as shown.

FOR POPLIN JACKETS AND WOOL JACKETS OF VARIOUS COLORS EXCLUDING THOSE OF JET BLACK COLOR.

Claims use since Mar. 31, 1948.

Ser. No. 556,145. W. SHANHOUSE SONS, INC., Rockford, Ill. Filed May 3, 1948.



The word "Jac" is disclaimed.

FOR POPLIN JACKETS AND WOOL JACKETS OF VARIOUS COLORS EXCLUDING THOSE OF JET BLACK COLOR.

Claims use since Mar. 31, 1948.

Ser. No. 556,218. S. COHEN & CO. INC., New York, N. Y. Filed May 6, 1948.

Vianne

Applicant claims ownership of Registrations Nos. 273,307 and 274,063.
FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, CAMISOLES, PANTIES, ENSEMBLES COMPRISING A NIGHTGOWN AND NEGLIGEE, PAJAMAS, LOUNGING ROBES, PANTALOONS, BLOOMERS, AND PETTICOATS.
Claims use since Jan. 1, 1929.

Ser. No. 557,054. LYNCHBURG HOSIERY MILLS, INC., Lynchburg, Va. Filed May 14, 1948. Under section 2f of the act of 1946.

Silversheen

FOR LADIES' HOSIERY.
Claims use since 1930.

Ser. No. 557,094. U. S. FOOT APPLIANCE CORPORATION, Chicago, Ill. Filed May 14, 1948.

Breeze
PERM-ASEPTIZED
INSOLES

The words "Perm-Aseptized" and "Insoles" are disclaimed apart from the mark.
FOR SHOE INSOLES.
Claims use since Mar. 15, 1948.

Ser. No. 557,472. JOSEPH SINGER, INC., Hart, Mich. Filed May 20, 1948.

TUNNELDOP

FOR MEN'S SUITS.
Claims use since Feb. 1, 1947.

Ser. No. 557,515. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass. Filed May 21, 1948.

G/A

Applicant claims ownership of Registration No. 179,251.
FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Dec. 1922.

Ser. No. 557,776. PILOT FULL FASHION MILLS, INC., Valdese, N. C. Filed May 25, 1948.

Cora

FOR HOSIERY.
Claims use since June 1928.

Ser. No. 557,980. GRO-CORD RUBBER COMPANY, Lima, Ohio. Filed Apr. 14, 1948.

GRO SPORT

The word "Sport" is disclaimed. Applicant claims ownership of Registrations Nos. 149,142, 285,219, and 285,220.
FOR SOLES AND HEELS.
Claims use since Mar. 18, 1947.

Ser. No. 558,171. SAPPHIRE HOSIERY CORPORATION, New York, N. Y. Filed May 29, 1948.

Treasheer.

FOR HOSIERY.
Claims use since May 17, 1948.

Ser. No. 559,015. FLORENTINE HOSIERY MILLS, Philadelphia, Pa. Filed June 11, 1948.

FLORENTINE

FOR HOSIERY.
Claims use since Apr. 28, 1948.

Ser. No. 559,377. FITTS COTTON GOODS COMPANY, Atlanta, Ga. Filed Feb. 6, 1948.

CHERIE

Applicant claims ownership of Registration No. 418,832.
FOR TEXTILE DIAPERS.
Claims use since July 31, 1944.

Ser. No. 559,709. HUNTER BROTHERS COMPANY, INC., Statesville, N. C. Filed June 19, 1948.

PrinceAlbert

Applicant claims ownership of Registration No. 279,511.
FOR MEN'S AND BOYS' UNION SUITS, PAJAMAS, ATHLETIC SHORTS AND RUNNING PANTS, ATHLETIC SHIRTS AND DRAWERS, ATHLETIC UNDERSHIRTS, SPORT SHIRTS, AND SPORT JACKETS.
Claims use since Dec. 5, 1917.

Ser. No. 559,751. LOUIS L. WARFIELD, New York, N. Y. Filed June 19, 1948.

JAMCIE

FOR KNITTED UNDERWEAR FOR WOMEN AND MEN, POLO SHIRTS FOR MEN AND BOYS, AND HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 7, 1948.

Ser. No. 560,391. FAIRSEX SPORTSWEAR, CORP., New York, N. Y. Filed June 29, 1948.

Fair'n Gay

FOR CHILDREN'S TEENAGE AND JUNIOR MISSES' JACKETS, SKIRTS, AND SUITS.
Claims use since Apr. 8, 1948.

Ser. No. 560,958. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed July 9, 1948.

Félice
PROFESSIONAL

The word "Professional" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 279,688.
FOR NURSES' UNIFORMS.
Claims use since Feb. 18, 1948.

Ser. No. 562,077. CHARLES MILLER COAT COMPANY, INC., New York, N. Y. Filed July 23, 1948.

Calendar Coat
by
Hilcheim

Applicant disclaims use of the word "Coat" apart from the mark as shown.
FOR WOMEN'S, MISSES', AND JUNIOR MISS COATS, JACKETS AND SUITS.
Claims use since May 3, 1948.

Ser. No. 566,292. KAPLAN & LIPMAN, New York, N. Y. Filed Sept. 25, 1948.

Kayella

Applicant claims ownership of Registration No. 259,341.
FOR CHILDREN'S AND WOMEN'S RAYON, SILK, COTTON, MUSLIN, AND KNITTED UNDERGARMENTS—NAMELY, BLOOMERS, STEPIN BLOOMERS, VESTS, DANCE SETS, DIAPER DRAWERS, SLIPS, PAJAMAS, AND BRASSIÈRES, COOLIE COATS, CHEMISES, NIGHTGOWNS, VEST AND BLOOMER COMBINATIONS.
Claims use since Feb. 1, 1929.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 542,379. OVALDO WENDORF, Brooklyn, N. Y. Filed Nov. 25, 1947.

HOOK-IT-TIE

The word "Hook" is disclaimed.
FOR WIRE TIE CLIPS USED AS A FRAME FOR MAKING PREFORMED NECKTIES.
Claims use since July 2, 1947.

Ser. No. 549,249. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Feb. 10, 1948. Under section 2f of the act of 1946.

HICKOK

Applicant claims ownership of Registration No. 337,194.
FOR COLLAR BUTTONS, COLLAR HOLDERS OR BARS, LINGERIE CLASPS, CLASPS FOR SUSPENDERS AND THE LIKE, CUFF BUTTONS AND CUFF LINKS, SHIRT STUDS, AND VEST BUTTONS, ALL FORMED OF MATERIAL OTHER THAN PRECIOUS METAL.
Claims use since June 1931.

Ser. No. 550,554. RAND RUBBER COMPANY, INC., Brooklyn, N. Y. Filed Feb. 25, 1948.

Randfilm

Applicant claims ownership of Registrations Nos. 309,267, 309,268, and 415,149.
FOR DRESS SHIELDS.
Claims use since June 1, 1944.

Ser. No. 568,782. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 15, 1948.

Priscilla

FOR DRESSER SETS OF BASE METAL, INCLUDING THREE OR MORE OF THE FOLLOWING: MIRROR, BRUSH, COMB, CUTICLE SCISSORS, FINGERNAIL FILE, PIN TRAY, POWDER BOX, SHOE HORN, TOE NAIL SCISSORS, PERFUME BOTTLE, ATOMIZER, AND EYEBROW TWEEZER.
Claims use since January 1925.

Ser. No. 572,606. THE UNION PIN COMPANY, Winsted, Conn. Filed Jan. 22, 1949.

lubrifilm

FOR COMMON PINS MADE OF BRASS OR STEEL, EITHER PLATED OR NOT PLATED.
Claims use since Jan. 3, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 561,344. RICH-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed July 14, 1948.

MARTHA WASHINGTON

The name "Martha Washington" comprises the name of the famous wife of the first President of the United States, now deceased.
FOR WINDOW CURTAINS AND DRAPERIES OF COTTON, SILK, AND SYNTHETIC FIBERS, AND MIXTURES THEREOF.
Claims use since June 11, 1948.

Ser. No. 564,474. A. STEINAM COMPANY, INC., New York, N. Y. Filed Aug. 31, 1948.

FEM-I-NYL

Applicant claims ownership of Registration No. 430,793.
FOR ALL NYLON FABRIC, SOLD IN THE PIECE.
Claims use since Apr. 4, 1946.

Ser. No. 564,476. A. STEINAM COMPANY, INC., New York, N. Y. Filed Aug. 31, 1948.

JENESTA

Applicant claims ownership of Registration No. 431,747.
FOR RAYON PIECE GOODS.
Claims use since Aug. 22, 1944.

Ser. No. 565,316. COTTONTAIL TEXTILE CORP., New York, N. Y. Filed Sept. 17, 1948.

COTTONTAIL

The word "Fabrics" is disclaimed.
FOR COTTON, RAYON, WOOL, SILK PIECE GOODS, AND BLENDED COMBINATIONS THEREOF.
Claims use since July 1, 1948.

Ser. No. 567,011. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Oct. 14, 1948. Under section 2f of the act of 1946.

CLARIDGE

Applicant claims ownership of Registration No. 265,458.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since Nov. 1, 1928.

Ser. No. 567,469. RIVERDALE MFG. CO., INC., New York, N. Y. Filed Oct. 22, 1948.

RANCH HOUSE PRINTS

The word "Prints" is disclaimed.
FOR DRAPES, WINDOW CURTAINS, AND PORTIERES.
Claims use since Aug. 18, 1948.

Ser. No. 567,745. ABBEVILLE MILLS CORPORATION, Abbeville, S. C. Filed Oct. 28, 1948.

WORSTERAY

FOR TEXTILE FABRICS IN THE PIECE OF WOOL AND RAYON FIBERS.
Claims use since Oct. 6, 1948.

Ser. No. 568,142. BOOTT MILLS, Lowell, Mass. Filed Nov. 3, 1948. Under section 2f of the act of 1946.

DUBON

Applicant claims ownership of Registrations Nos. 226,446 and 217,729.
FOR CORDUROY FABRICS AND OTHER FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, RAYON, AND SILK OR COMBINATIONS THEREOF.
Claims use since Mar. 1, 1926.

Ser. No. 569,988. PEDIGREE FABRICS, INC., New York, N. Y. Filed Dec. 4, 1948.

PEDILYN

Applicant claims ownership of Registrations Nos. 403,140, 409,075, 379,483, 400,663, and 436,218.
FOR WOVEN FABRIC OF RAYON OR NYLON OR MIXTURES THEREOF, SOLD BY THE PIECE.
Claims use since Feb. 10, 1948.

Ser. No. 570,000. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Dec. 4, 1948.

Raintopper

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since Aug. 21, 1947.

Ser. No. 570,010. THE VISKING CORPORATION, Chicago, Ill., and Richmond, Va. Filed Dec. 4, 1948.

VisQueen

Applicant claims ownership of Registration No. 503,347.
FOR THIN FILM MADE OF PLASTIC AND SOLD IN THE FORM OF CONTINUOUS AND CUT LENGTHS, TUBING, AND SHEETS FOR USE IN MAKING ORDINARY HOUSEHOLD ARTICLES SUCH AS KITCHEN UTENSIL COVERS, TABLE CLOTH COVERS, CHAIR COVERS, CRIB SHEETS, GARMENT BAGS, APRONS, BIBS, AND THE LIKE.
Claims use since Dec. 5, 1947.

Ser. No. 570,124. THE SCRANTON LACE COMPANY, Scranton, Pa. Filed Dec. 7, 1948.

Kitchenaire

FOR PLASTIC TABLECOVERS.
Claims use since September 1948.

Ser. No. 570,262. KANMAK TEXTILES INC., New York, N. Y. Filed Dec. 9, 1948.

KAN-SKIN

FOR WOOLEN PIECE GOODS AND PIECE GOODS MADE OF WOOL BLENDED WITH COTTON OR SYNTHETIC FIBERS.
Claims use since Oct. 21, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 534,030. THE LINEN THREAD CO., INC., New York, N. Y. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

PASSAIC

FOR THREAD.
Claims use since 1931.

Ser. No. 534,031. THE LINEN THREAD CO., INC., New York, N. Y. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

PERFECTSEAM

Applicant claims ownership of Registrations Nos. 179,778 and 184,062.
FOR THREAD.
Claims use since May 1922.

Ser. No. 554,850. ANDREWS-ALDERFER PROCESSING COMPANY, INCORPORATED, Akron, Ohio. Filed Apr. 17, 1948.

"ANDAL"

FOR ELASTIC THREAD.
Claims use since Aug. 1, 1945.

Ser. No. 563,537. HEBERLEIN & Co., A. G., Wattwil, Switzerland. Filed July 10, 1948.

HELANCA

Applicant claims ownership of Swiss Registration No. 88,736, dated July 24, 1936.
FOR WOOL-LIKE THREADS AND YARNS OF RAYON

Ser. No. 571,120. JOHN DEWHIRST & Co. LIMITED, Elland, England. Filed Dec. 27, 1948.



The word "Wooly" is disclaimed. Applicant claims ownership of British Registration No. 642,758, dated Dec. 8, 1945.
FOR COLOURED YARNS WHOLLY OF WORSTED.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 550,709. CARL J. LUNDGREN, New York, N. Y. Filed Feb. 27, 1948.

STERIL-MASTER

The word "Steril" is disclaimed apart from the mark.
FOR STERILIZING CONTAINERS FOR TOOTHBRUSHES.
Claims use since Jan. 10, 1948.

Ser. No. 559,617. H. D. JUSTI & SON, INC., Philadelphia, Pa. Filed June 18, 1948.

DIACITE

The drawing is lined for the color red.
FOR PREPARED PLASTIC FROM WHICH JACKETS, CROWNS, INLAYS, BRIDGES, AND ARTIFICIAL TEETH ARE MADE.
Claims use since Mar. 15, 1948.

Ser. No. 559,618. H. D. JUSTI & SON, INC., Philadelphia, Pa. Filed June 18, 1948.

DURACITE

The drawing is lined for the color red.
FOR PREPARED PLASTIC FROM WHICH JACKETS, CROWNS, INLAYS, BRIDGES, AND ARTIFICIAL TEETH ARE MADE.
Claims use since Mar. 15, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 546,558. CHURCH GRAPE JUICE COMPANY, Kennewick, Wash. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

CHURCH'S

Applicant claims ownership of Registrations Nos. 429,734 and 437,065.
FOR GRAPE JUICE.
Claims use since Apr. 1, 1914.

Ser. No. 552,159. THE MILLER-BECKER COMPANY, Cleveland, Ohio. Filed Mar. 17, 1948.

FIFTY FIFTY

FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS.
Claims use since May 7, 1936.

Ser. No. 561,653. CELLA VINEYARDS, Cella Station, Calif. Filed July 19, 1948.

Betsy Ross

The mark is the name of the deceased historical celebrity, Betsy Ross. Applicant claims ownership of Registrations Nos. 316,300, 319,769, and 322,743.
FOR GRAPE JUICE.
Claims use since Mar. 9, 1948.

Ser. No. 562,369. THE JEL SERT COMPANY, Chicago, Ill. Filed July 28, 1948. Under section 2f of the act of 1946.

FLA-VOR-AID

Applicant claims ownership of Registrations Nos. 300,762 and 326,243.
FOR MALTLESS POWDER FOR MAKING NON-ALCOHOLIC SOFT DRINKS.
Claims use since May 2, 1932.

Ser. No. 564,696. L. STEINBERGER & SONS, INC., Jersey City, N. J. Filed Aug. 24, 1948.

KLONDIKE

Applicant claims ownership of Registration No. 156,553.
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME.
Claims use since Mar. 1, 1909.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 478,631. FRED A. HILL, Redlands, Calif. Original filed, act of 1905, Jan. 15, 1945; amended to application under act of 1946, Principal Register, Nov. 12, 1947

TIGER HEAD



FOR FRESH ORANGES.
Claims use since 1905.

Ser. No. 486,784. JOHN F. JELKE COMPANY, Chicago, Ill. Original filed, act of 1905, Aug. 6, 1945; amended to application under act of 1946, Principal Register, July 30, 1948. Under section 2f of the act of 1946.

PIE FLAKE

FOR OLEOMARGARINE.
Claims use since Feb. 1, 1922.

Ser. No. 489,176. LOVE-FORD FRUIT COMPANY, Pharr, Tex., assignee of Ray A. Hartness. Original filed, act of 1905, Sept. 29, 1945; amended to application under act of 1946, Principal Register, July 26, 1948.

RAYHART

FOR FRESH CITRUS FRUIT AND FRESH TOMATOES.
Claims use since April 1938.

Ser. No. 511,471. E. E. HAWES, doing business as Hawes Packing Company, Higley, Ariz. Original filed, act of 1905, Oct. 25, 1946; amended to application under act of 1946, Principal Register, Nov. 8, 1947. Under section 2f of the act of 1946.



FOR FRESH VEGETABLES.
Claims use since November 1939.

Ser. No. 523,286. MISS SAYLOR'S CHOCOLATES, INC., Alameda, Calif. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1947. Under section 2f of the act of 1946.

Miss Saylor's

Applicant claims ownership of Registrations Nos. 147,158 and 374,331.
FOR CANDY.
Claims use since June 1920.

Ser. No. 523,287. MISS SAYLOR'S CHOCOLATES, INC., Alameda, Calif. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1947. Under section 2f of the act of 1946.

miss Saylor's coffee-ets

Applicant claims ownership of Registrations Nos. 374,331 and 147,158.
FOR CANDY.
Claims use since May 1933.

Ser. No. 523,288. MISS SAYLOR'S CHOCOLATES, INC., Alameda, Calif. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1947. Under section 2f of the act of 1946.

miss Saylor's

CRAFTMADE

Applicant claims ownership of Registrations Nos. 147,158 and 374,331.
FOR CANDY.
Claims use since 1935.

Ser. No. 524,493. STANDARD MILLING COMPANY, Chicago, Ill. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Oct. 1, 1947.

BUNKER HILL

FOR WHEAT FLOUR.
Claims use since May 1, 1903.

Ser. No. 529,352. BOWMAN DAIRY COMPANY, Chicago, Ill. Filed July 24, 1947. Under section 2f of the act of 1946.

BUD

BOWMAN

The name "Bud Bowman" is fictitious.
FOR FLUID MILK AND CREAM.
Claims use since Jan. 15, 1942.

Ser. No. 535,087. SHAWNEE MILLING COMPANY, Shawnee, Okla. Filed Sept. 19, 1947.



The word "Bakers" is disclaimed. Applicant claims ownership of Registrations Nos. 369,056 and 384,549.
FOR WHEAT FLOUR.
Claims use since Apr. 20, 1906.

Ser. No. 535,729. MAWER-GULDEN-ANNIS, INC., Brooklyn, N. Y. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

ALBERS

Applicant claims ownership of Registrations Nos. 205,077, 282,793, and 343,123.
FOR OLIVES.
Claims use since 1916.

Ser. No. 537,788. COVINA CITRUS ASSOCIATION, Covina, Calif. Filed Oct. 14, 1947.

ST BERNARD

FOR FRESH CITRUS FRUITS.
Claims use since 1898.

Ser. No. 537,951. TYNE BRAND PRODUCTS LIMITED, Fish Quay, North Shields, England. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

TYNE BRAND

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 198,045.
FOR CANNED FISH, FISH PASTES, AND MEAT PASTES.
Claims use since December 1911.

Ser. No. 540,448. PACIFIC FARM COMPANY, San Jose, Calif. Filed Nov. 7, 1947.

FRESH UP

The word "Fresh" is disclaimed.
FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH MELONS.
Claims use since Sept. 24, 1947.

Ser. No. 541,126. GARDEN OF THE SETTING SUN, INC., doing business as Edna Cast's Garden of the Setting Sun, Mecca, Calif. Filed Nov. 14, 1947.

The Shak-Mart

The word "Mart" is disclaimed.
FOR FRESH DATES, BRANDIED DATES, DATE BUTTER, DATES AND NUTS, DATE NUT SPREAD, STUFFED DATES, DATE CAKE, DATE PLUM PUDDING, AND ASSORTED DATE CANDIES.
Claims use since Sept. 1, 1946.

Ser. No. 544,366. MINOT FLOUR MILL COMPANY, Minot, N. Dak. Filed Dec. 15, 1947.

OPPORTUNE

FOR WHEAT FLOUR.
Claims use since July 15, 1930.

Ser. No. 544,846. BURNHAM & MORRILL COMPANY, Portland, Maine. Filed Dec. 19, 1947.



The picture of the woman is fanciful. The drawing is stippled for shading purposes. The representation of the clams is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 44,046 and 220,905.
FOR CANNED CLAMS, CLAM CHOWDER, AND CLAM BOUILLON.
Claims use since Mar. 1, 1904.

Ser. No. 546,489. J. H. FILBERT, INC., Baltimore, Md. Filed Jan. 8, 1948. Under section 2f of the act of 1946.

Mrs. Filbert's

FOR OLEOMARGARINE.
Claims use since September 1935.

Ser. No. 546,930. THE E. H. KORSTER BAKERY COMPANY, Baltimore, Md. Filed Sept. 15, 1947.



The picture of the twins is fanciful. Applicant claims ownership of Registration No. 430,570.
FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since July 27, 1945.

Ser. No. 547,235. THE COOK COFFEE COMPANY, also trading under the trade names of The Central Tea Company, The Home Tea Company, and The India Tea Company, Cleveland, Ohio. Filed Jan. 16, 1948.

Cook Book

Applicant claims ownership of Registrations Nos. 309,904 and 262,763.
FOR POWDERED PREPARATION FOR MAKING A COCOA FLAVORED FOOD DRINK; ORANGE PEKOE, AND PEKOE TEA IN BULK AND IN BAGS; MACARONI; SPAGHETTI; GELATIN DESSERT; PREPARED MUSTARD; PEANUT BUTTER; CHOCOLATE MALT FLAVORED SYRUP WITH VITAMINS; QUICK COOKING TAPIOCA; RICE.
Claims use on powdered preparation for making a cocoa flavored food drink, orange pekoe and pekoe tea in bulk and in bags, macaroni and spaghetti since 1934; on gelatin dessert, prepared mustard, and peanut butter since 1939, on chocolate malt flavored syrup with vitamins since 1940; on quick-cooking tapioca since 1941; and on rice since 1947.

Ser. No. 548,978. MAYHAW CANNING COMPANY, INC., Laurel, Miss. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

PRIDE OF

MISSISSIPPI

FOR CANNED VEGETABLES.
Claims use since July 1941.

Ser. No. 549,132. D. F. DE BERNARDI & CO., INC., San Francisco, Calif. Filed Feb. 9, 1948.

OLIO ROMINO



The portrait of the chef as shown on the drawing is fanciful. The word "Olio" is disclaimed. Applicant claims ownership of Registration No. 239,788.
FOR VEGETABLE SALAD OIL.
Claims use since Oct. 15, 1927, on the mark as shown; and since July 1914 as to "Romino."

Ser. No. 549,434. FIRST NATIONAL STORES INC., Somerville, Mass. Filed Feb. 16, 1948.

TIMBER LAKE

FOR CANNED SARDINES, TUNA FISH, SHRIMP AND SALMON, BAKED BEANS, TABLE SYRUP, AND SWEET RELISH.
Claims use since Oct. 22, 1931.

Ser. No. 549,510. H. C. CHRISTIANS CO., Johnson Creek, Wis., and Chicago, Ill. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

Christians

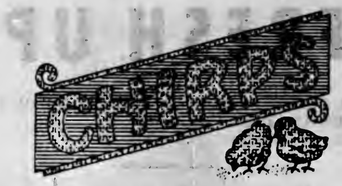
Applicant claims ownership of Registrations Nos. 357,875 and 58,642.
FOR BUTTER.
Claims use since May 10, 1937.

Ser. No. 550,354. RICHMOND-CHASE COMPANY, San Jose, Calif. Filed Feb. 21, 1948.

Everybody's

Applicant claims ownership of Registration No. 145,578.
FOR CANNED FRUITS — NAMELY, APRICOTS, CHERRIES, PEACHES, PEARS, AND PLUMS, AND CANNED VEGETABLES — NAMELY, ASPARAGUS, SPINACH, AND TOMATOES.
Claims use since May 9, 1920.

Ser. No. 551,845. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Mar. 13, 1948.



The drawing is lined for the colors yellow and blue. Applicant claims ownership of Registration No. 259,097.
FOR CHEWING GUM.
Claims use since Oct. 22, 1947.

Ser. No. 552,227. THE COLORADO MILLING & ELEVATOR CO, doing business under the style name of Pueblo Flour Mills, Denver and Pueblo, Colo. Filed Mar. 18, 1948.

MAJOR B

The drawing is lined to indicate red color. Applicant disclaims the letter "B" per se and apart from the mark as shown. Applicant claims ownership of Registration No. 131,433.
FOR WHEAT FLOUR.
Claims use since Dec. 9, 1937.

Ser. No. 552,228. THE COLORADO MILLING & ELEVATOR CO., doing business as The Mesa Flour Mills, Denver and Grand Junction, Colo. Filed Mar. 18, 1948.



The drawing is lined to indicate blue color. The word "Flour" is disclaimed.
FOR WHEAT FLOUR.
Claims use since April 1913.

Ser. No. 552,647. FOOD FAIR STORES, INC., Philadelphia, Pa. Filed Mar. 22, 1948.

State Fair

FOR CHEESE.
Claims use since Oct. 1, 1947.

Ser. No. 553,001. NATIONAL FRUIT CANNING CO., Seattle, Wash. Filed Mar. 25, 1948.

NATIONAL RED

The word "Red" is disclaimed apart from the mark.
FOR CANNED FRUITS AND BERRIES.
Claims use since 1923.

Ser. No. 554,081. BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Apr. 8, 1948. Under section 2f of the act of 1946.

BARRON-GRAY'S

Applicant claims ownership of Registrations Nos. 387,607 and 173,089.
FOR CANNED FRUIT AND CANNED FRUIT COCKTAIL.
Claims use since Oct. 5, 1925.

Ser. No. 554,610. RONZONI MACARONI CO., INC., Long Island City, N. Y. Filed Apr. 14, 1948. Under section 2f of the act of 1946.

RONZONI

Applicant claims ownership of Registrations Nos. 270,229 and 306,691.
FOR ALIMENTARY PASTES, SPAGHETTI SAUCE, AND A CEREAL FOOD FOR INFANTS, CHILDREN, OR CONVALESCENTS.
Claims use since May 1, 1919.

Ser. No. 555,486. COZZA BROS., Los Angeles, Calif. Filed Apr. 24, 1948.

CONSENSUS

FOR FRESH VEGETABLES.
Claims use since Feb. 28, 1948.

Ser. No. 555,619. PACIFIC FRUIT EXCHANGE, San Francisco, Calif. Filed Apr. 26, 1948.

PACIFIC PRIDE

FOR FRESH DECIDUOUS FRUITS AND FRESH GRAPES.
Claims use since 1925.

Ser. No. 556,226. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 4, 1948.

GOLMAR

Applicant claims ownership of Registration No. 301,331.
FOR OLEOMARGARINE.
Claims use since Aug. 11, 1920.

Ser. No. 557,656. JAS. V. ATTARELLO, El Centro, Calif. Filed May 24, 1948.

J.A.V.A.

FOR FRESH VEGETABLES.
Claims use since Jan. 13, 1948.

Ser. No. 560,210. MALBIS BAKERY COMPANY, Mobile, Ala. Filed June 25, 1948.



The figures shown on the drawing are fanciful.
FOR GINGER CAKES, COMMONLY CALLED STAGE PLANKS IN THE SOUTH.
Claims use since 1928.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 546,160. ADOLPH COORS COMPANY, Golden, Colo. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

Coors

Applicant claims ownership of Registrations Nos. 79,024 and 412,474.
FOR MALT CEREAL BEVERAGES—NAMELY, BEER.
Claims use since March 1915.

Ser. No. 557,279. KAMM & SCHELLINGER COMPANY, INC., Mishawaka, Ind. Filed May 18, 1948. Under section 2f of the act of 1946.

KAMM'S



FOR LAGER BEER.
Claims use since Dec. 5, 1933, as to "Kamm's"; since Oct. 1, 1887, as to the lion mounted on the world globe; and since May 15, 1940, as to the mark shown.

Ser. No. 567,524. LIEBMANN BREWERIES, INC., Brooklyn, N. Y. Filed Oct. 23, 1948. Under section 2f of the act of 1946.

Mc SORLEY'S

Applicant claims ownership of Registrations Nos. 402,665 and 400,666.
FOR ALE.
Claims use since Sept. 25, 1935.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 520,175. NEW YORK MERCHANDISE COMPANY, INC., New York, N. Y. Original filed, act of 1905, Apr. 4, 1947; amended to application under act of 1946, Principal Register, July 28, 1948. Under section 2f of the act of 1946.

Wales

FOR MEN'S SHAVING AND TOILET SETS CONTAINING SOAP, HAND LOTIONS, AND CREAM, STIPTIC PENCILS, RAZOR BLADES, AND RAZORS, AFTER SHAVING LOTIONS, TALCUM POWDER, AND SHAVING CREAM.
Claims use since February 1934.

Ser. No. 533,820. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.



The words "Dry Mats" and "Always Uniform" are disclaimed.
FOR DRY MATS FOR STEREOTYPING PURPOSES.
Claims use since July 6, 1929.

Ser. No. 536,291. ROCHESTER SHOE TREE CO., INC., Rochester, N. Y. Filed Sept. 30, 1947.

TRAVEL TREE

The word "Tree" is disclaimed. Applicant claims ownership of Registration No. 327,644.
FOR SHOE TREES.
Claims use since Mar. 12, 1935.

Ser. No. 536,937. LYDON-BRICHER MANUFACTURING COMPANY, St. Paul, Minn. Filed Oct. 6, 1947. Under section 2f of the act of 1946.

McKay

FOR PROTECTIVE TABLE PADS, AND LUNCHEON MATS, ALL FORMED OF HEAT INSULATING AND SCRATCH PREVENTING AND WATERPROOFING MATERIALS.
Claims use since January 1911.

Ser. No. 538,798. MID-WEST BOTTLE CAP CO., Belvidere, Ill. Filed Oct. 23, 1947.

ALUMA Seal

The word "Seal" is disclaimed.
FOR MILK BOTTLE CAPS MADE FROM LAMINATED METAL FOIL AND PAPER OR FROM METAL FOIL.
Claims use since Mar. 20, 1947.

Ser. No. 540,626. BALDWIN RUBBER COMPANY, Pontiac, Mich. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

Baldwin

FOR RUBBER AND RUBBER COMPOSITION FLOOR MATS.
Claims use since 1924.

Ser. No. 541,707. RAPID ROLLER CO., Chicago, Ill. Filed Nov. 19, 1947.

MERCURY

FOR LITHOGRAPHIC OFFSET BLANKETS, DRAW-SHEET AND GRAVURE IMPRESSION BLANKETS.
Claims use since January 1934.

Ser. No. 545,396. A. L. SIEGEL CO., INC., New York, N. Y. Filed Dec. 24, 1947.

Vis-O-Tog

Applicant claims ownership of Registrations Nos. 352,675 and 503,990.
FOR COVERS MADE FROM PLASTIC FILM—NAMELY, SHOULDER COVERS, BLOUSE COVERS, AND LINGERIE SETS (LINGERIE COVERS).
Claims use since Dec. 19, 1947.

Ser. No. 548,599. MELFLEX PRODUCTS COMPANY, INC., Akron, Ohio. Filed Feb. 2, 1948.

MELFLEX

FOR FLOOR MATS AND MATTING AND STAIR TREADS COMPOUNDED OF RUBBER AND FABRIC.
Claims use since July 1, 1928.

Ser. No. 548,724. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio, now by change of name The Gardner Board and Carton Co., a corporation of Ohio. Filed Feb. 4, 1948.

Mouse-O-Leum

The word "Mouse" is disclaimed apart from the mark.
FOR PAPERBOARD TRAPS IN THE FORM OF CARTONS HAVING ENTRANCE OPENINGS FOR SMALL ANIMALS AND RESILIENT FLAP MEANS TO PREVENT THEIR EXIT.
Claims use since Feb. 13, 1947.

Ser. No. 549,316. CROWN CORK SPECIALTY CORPORATION, Decatur, Ill. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

KORK-N-SEAL

Applicant claims ownership of Registration No. 267,854.
FOR CLOSURES FOR GLASS AND METALLIC CONTAINERS
Claims use since Oct. 25, 1926.

Ser. No. 555,308. THE SANDER ENGRAVING CO., Chicago, Ill. Filed Apr. 22, 1948.

SANTONE

The word "Tone" is disclaimed.
FOR ENGRAVED WOODEN BLOCKS FROM WHICH ELECTROTYPES ARE PREPARED FOR PRINTING PURPOSES.
Claims use since Mar. 16, 1948.

Ser. No. 556,493. TEXTILEATHER CORPORATION, Toledo, Ohio. Filed May 7, 1948.

TOLON

FOR COATED FABRICS AND RESINOUS SHEET MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER.
Claims use since Mar. 30, 1948.

Ser. No. 558,261. TEXTILEATHER CORPORATION, Toledo, Ohio. Filed June 1, 1948.

MONOFILM

FOR COATED FABRICS AND RESINOUS SHEET MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER.
Claims use since Feb. 26, 1948.

Ser. No. 559,727. PERFECT CIRCLE CORPORATION, Hagerstown, Ind. Filed June 19, 1948.

MOODICATOR

FOR ADVERTISING NOVELTY IN THE NATURE OF A MECHANICAL SIGN.
Claims use since June 2, 1948.

Ser. No. 560,897. GEORGE O. JENKINS COMPANY, Bridgewater, Mass. Filed July 8, 1948.

FIBALIN

FOR FIBREBOARD IN SHEET FORM FOR USE IN MAKING MIDSOLES AND BUILT-UP HEELS FOR SHOES.

Claims use since June 21, 1948.

Ser. No. 561,674. NICHOLAUS KONI, New York, N. Y. Filed July 19, 1948.

KONIX

FOR ORNAMENTAL PLAQUES, STATUARY BUSTS, ANIMAL STATUETTES, STATUARY REPLICAS OF HUMAN ANATOMICAL BODY PARTS, REPRODUCTIONS OF SCULPTURAL ORNAMENTAL OBJECTS.

Claims use since December 1947.

Ser. No. 562,616. MID-WEST BOTTLE CAP CO., Belvidere, Ill. Filed July 31, 1948.

MID-WEST

FOR DAIRY BOTTLE CAPS.

Claims use since May 2, 1934.

CLASS 55

SERVICES

Ser. No. 530,019. THE PRUDENTIAL INSURANCE COMPANY OF AMERICA, Newark, N. J. Filed July 30, 1947. SERVICE MARK.

Family Hour

FOR THE UNDERWRITING OF INDIVIDUAL AND GROUP LIFE INSURANCE.

Claims use since Aug. 31, 1941.

Ser. No. 540,013. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill. Filed July 17, 1947. COLLECTIVE SERVICE MARK.

REALTOR

FOR THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, MORTGAGE BROKERAGE, IN THE APPRAISAL OF REAL ESTATE, MANAGEMENT OF REAL ESTATE, IN THE BUILDING OF STRUCTURES ON REAL ESTATE, IN THE SUBDIVISION OF REAL ESTATE PROPERTIES, AND FOR CONSULTATIVE AND ADVISORY SERVICES IN COMMUNITY PLANNING FOR THE DEVELOPMENT OF RAW LAND AND SLUM CLEARANCE AREAS.

Claims use since Mar. 31, 1916.

Ser. No. 540,014. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill. Filed July 17, 1947. COLLECTIVE SERVICE MARK.

NATIONAL ASSOCIATION OF REAL ESTATE BOARDS
REALTORS

The drawing is lined for the color blue. Applicant disclaims all wording except "Realtors."

FOR THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, MORTGAGE BROKERAGE, IN THE APPRAISAL OF REAL ESTATE, MANAGEMENT OF REAL ESTATE, IN THE BUILDING OF STRUCTURES ON REAL ESTATE, IN THE SUBDIVISION OF REAL ESTATE PROPERTIES, AND FOR CONSULTATIVE AND ADVISORY SERVICES IN COMMUNITY PLANNING FOR THE DEVELOPMENT OF RAW LAND AND SLUM CLEARANCE AREAS

Claims use since Dec. 15, 1922.

Ser. No. 554,803. MORAN TOWING CORPORATION, New York, N. Y. Filed Apr. 16, 1948. SERVICE MARK.

M

FOR MARINE TOWING AND TRANSPORTATION SERVICES—NAMELY, THE TOWING OF VESSELS AND OTHER FLOATING EQUIPMENT AND THE TRANSPORTATION OF COMMODITIES.

Claims use since 1897.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,360. LIQUID KEROSENE BASE EMULSION ONLY FOR INDUSTRIAL USE IN DEGREASING METAL ARTICLES PRELIMINARY TO PLATING, PAINTING AND FINISHING OPERATIONS. PHILLIPS CHEMICAL COMPANY, Chicago, Ill.
Filed Aug. 2, 1945, Serial No. 486,628. Published June 7, 1949. Class 4.

443,361. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) — NAMELY, WATCH BRACELETS. GEMEX COMPANY, Union, N. J.
Filed Aug. 27, 1946, Serial No. 508,108. Published June 7, 1949. Class 28.

443,362. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) — NAMELY, WATCH BRACELETS. GEMEX COMPANY, Union, N. J.
Filed Aug. 27, 1946, Serial No. 508,109. Published June 7, 1949. Class 28.

443,363. ASBESTOS SIDING SHINGLES, ASPHALT ROOFING SHINGLES, ASPHALT ROLL ROOFING, ASPHALT ROOFING COMPOUNDS FOR APPLICATION TO ROOFS, AND ASPHALT PLASTIC CEMENTS FOR APPLICATION TO ROOFS. MCRAE BROS., Patchogue, N. Y.
Filed Oct. 10, 1946, Serial No. 510,605. Published May 10, 1949. Class 12.

443,364. DECORATIVE SLEEVE-LIKE CANDLE ORNAMENT, MADE OF CHINAWARE, CROCKERY OR EARTHENWARE, ADAPTED TO ENGAGE AND SURROUND THE BODY OF THE CANDLE. JESSIE ROBINSON WALKER, Los Angeles, Calif.
Filed Oct. 30, 1946, Serial No. 511,778. Published May 24, 1949. Class 30.

443,365. DECORATIVE SLEEVE-LIKE CANDLE ORNAMENT, MADE OF CHINAWARE, CROCKERY OR EARTHENWARE, ADAPTED TO ENGAGE AND SURROUND THE BODY OF THE CANDLE. JESSIE ROBINSON WALKER, Los Angeles, Calif.
Filed Oct. 30, 1946, Serial No. 511,779. Published May 24, 1949. Class 30.

443,366. NECKLACES, FINGER RINGS, AND EARRINGS, EACH CONTAINING CULTURED PEARLS AS AN ESSENTIAL PART THEREOF. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed Nov. 1, 1946, Serial No. 511,885. Published June 17, 1947. Class 28.

443,367. FINGER RINGS. JOSEPH BERLAND, New York, N. Y.
Filed Nov. 26, 1946, Serial No. 513,232. Published June 7, 1949. Class 28.

443,368. TOILET PREPARATION HAVING DEODORANT, ANTISEPTIC, AND GERMICIDAL PROPERTIES. DERMETICS, INC., New York, N. Y.
Filed Dec. 5, 1946, Serial No. 513,720. Published Sept. 30, 1947. Class 6.

443,369. REFRIGERATED DISPLAY CABINETS, FROZEN FOOD CABINETS, AND REFRIGERATED STORAGE LOCKERS. THE BEVCO COMPANY, St. Louis, Mo.
Filed Feb. 10, 1947, Serial No. 517,234. Published May 24, 1949. Class 31.

443,370. VITAMIN PREPARATION OTHER THAN ONE HAVING A VITAMIN K ACTIVITY. OXFORD LABORATORIES, INCORPORATED, Dayton, Va.
Filed Feb. 28, 1947, Serial No. 518,314. Published Jan. 27, 1948. Class 6.

443,371. MATTRESSES. NATIONAL SLEEP PRODUCTS, INC., New York and Brooklyn, N. Y.
Filed Mar. 31, 1947, Serial No. 519,891. Published June 14, 1949. Class 32.

443,372. BOCK BEER. DUQUESNE BREWING COMPANY OF PITTSBURG, Pittsburgh, Pa.
Filed July 2, 1947, Serial No. 525,561. Published May 24, 1949. Class 48.

ACT OF 1920

These registrations are not subject to opposition.

443,373. (CLASS 38. PRINTS AND PUBLICATIONS.) ROBERT M. MCBRIDE & COMPANY, New York, N. Y. Filed Nov. 14, 1946; Serial No. 512,596.

Travel

FOR MAGAZINE RELATING TO TRAVEL.

Claims use since Oct. 22, 1907.

ACT OF 1946, PRINCIPAL REGISTER

514,969. NON-ALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND COMPOUNDS, CONCENTRATES AND SYRUPS FOR MAKING NON-ALCOHOLIC MALTLESS BEVERAGES TO BE SOLD AS SOFT DRINKS. WONDER-ORANGE COMPANY, Chicago, Ill.
Original filed, act of 1905, Oct. 8, 1945; amended to application under act of 1946, Principal Register, May 18, 1948, Serial No. 489,634. Published May 24, 1949. Class 45.

514,970. PARTIALLY PRINTED ACCOUNTING FORMS, AND A COMBINATION ENVELOPE AND BUSINESS FORM. ADAMAR ACCOUNTING SYSTEMS, Jeannette, Pa.
Original filed, act of 1920, June 11, 1946; amended to application under act of 1946, Principal Register, Mar. 2, 1948, Serial No. 503,622. Published May 10, 1949. Class 37.

514,971. GOODS MADE WHOLLY OR IN PART OF CHINAWARE OR PORCELAIN — NAMELY, PLATES, PLATTERS, CUPS, SAUCERS, COFFEE POTS, TEA POTS, CREAMERS, SUGAR BASINS, WATER PITCHERS, MILK JUGS, SAUCE BOATS, MUSTARD POTS, MARMALADE AND JELLY JARS, EGG CUPS, SALAD BOWLS, COOKIE JARS, SOUP BOWLS, TUREENS, CASSEROLES AND CHAFING DISHES. GEORG JENSEN INC., New York, N. Y.
Original filed, act of 1905, June 25, 1946; amended to application under act of 1946, Principal Register, Jan. 7, 1948, Serial No. 504,560. Published May 24, 1949. Class 30.

514,972. GLASSWARE FOR DOMESTIC AND HOUSEHOLD USE—NAMELY, DRINKING GLASSES; FANCY GOODS MADE OF GLASS—NAMELY, BOWLS, SERVING TRAYS, DISHES, PLATTERS, VASES, DECANTERS, JARS, COASTERS AND ORNAMENTAL BOXES OR RECEPTACLES FOR GENERAL USE. GEORG JENSEN INC., New York, N. Y.
Original filed, act of 1905, June 25, 1946; amended to application under act of 1946, Principal Register, Jan. 7, 1948, Serial No. 504,561. Published May 24, 1949. Class 33.

514,973. CANNED FISH. THE HALFHILL COMPANY, Los Angeles, Calif.
Original filed, act of 1905, July 22, 1946; amended to application under act of 1946, Principal Register, Dec. 6, 1947, Serial No. 506,031. Published May 24, 1949. Class 46.

514,974. DIESEL MOTOR FUELS AND DIESEL MOTOR OILS. HENRY HOWARD SESSIONS, doing business as Emblem Oil Company, North Long Beach, Calif.
Original filed, act of 1905, Aug. 10, 1946; amended to application under act of 1946, Principal Register, Mar. 22, 1948, Serial No. 507,223. Published May 31, 1949. Class 15.

514,975. CANNED FRUIT JUICES. HI-Q PRODUCTS CO., Chicago, Ill.
Original filed, act of 1905, Oct. 28, 1946; amended to application under act of 1946, Principal Register, Dec. 8, 1947, Serial No. 511,614. Published May 24, 1949. Class 46.

514,976. FRESH CITRUS FRUITS. DONNA FRUIT COMPANY, Edinburg, Tex.
Original filed, act of 1905, Dec. 31, 1946; amended to application under act of 1946, Principal Register, Oct. 20, 1947, Serial No. 515,089. Published May 24, 1949. Class 46.

514,977. INK REMOVER. THE C. P. HALL COMPANY, Akron, Ohio.
Original filed, act of 1905, Jan. 10, 1947; amended to application under act of 1946, Principal Register, July 17, 1947, Serial No. 515,552. Published May 31, 1949. Class 4.

514,978. INK REMOVER. THE C. P. HALL COMPANY, Akron, Ohio.
Original filed, act of 1905, Jan. 10, 1947; amended to application under act of 1946, Principal Register, July 17, 1947, Serial No. 515,553. Published May 31, 1949. Class 4.

514,979. TRANSPARENCIES FOR USE IN VIEWERS AND PROJECTORS. WESTERN FEATURES SYNDICATE, INC., Rosemead, Calif.
Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Principal Register, June 29, 1948, Serial No. 516,045. Published June 7, 1949. Class 26.

514,980. TRANSPARENCIES FOR USE IN VIEWERS AND PROJECTORS. WESTERN FEATURES SYNDICATE, INC., Rosemead, Calif.
Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Principal Register, June 29, 1948, Serial No. 516,046. Published June 7, 1949. Class 26.

514,981. CANNED VEGETABLES—NAMELY, PEAS. EASTERN OREGON CANNING CO., INC., Weston, Oreg.
Original filed, act of 1905, Feb. 10, 1947; amended to application under act of 1946, Principal Register, Sept. 23, 1947, Serial No. 517,242. Published May 31, 1949. Class 46.

514,982. CANNED FRUITS, CANNED VEGETABLES, AND CANNED TOMATO PASTE. PARROTT & CO., San Francisco, Calif.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 26, 1947, Serial No. 517,660. Published May 24, 1949. Class 46.

514,983. TRANSPARENT PLASTIC CABINETS AND DISPLAY DEVICES—NAMELY, TRANSPARENT PLASTIC SHELVES, BACKGROUNDS, PEDESTALS, CURVED ORNAMENTAL PIECES, HAT RACKS, WALL PLAQUES, TABLES, STANDS, BOWLS, AND FLOWER HOLDERS. W. L. STENSGAARD AND ASSOCIATES, INC., Chicago, Ill.
Original filed, act of 1905, Feb. 27, 1947; amended to application under act of 1946, Principal Register, Dec. 12, 1947, Serial No. 518,260. Published June 14, 1949. Class 32.

514,984. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH GRAPES. NASH-DE CAMP COMPANY, Berkeley, Calif.
Original filed, act of 1905, Mar. 15, 1947; amended to application under act of 1946, Principal Register, Oct. 3, 1947, Serial No. 519,079. Published May 24, 1949. Class 46.

514,985. MOTOR TUNE-UP OIL. J. W. SPEAKER CORPORATION, Milwaukee, Wis.
Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Apr. 16, 1948, Serial No. 521,306. Published May 10, 1949. Class 15.

514,986. ABRASIVE SCOURING BLOCK. EWALD A. BUSSE, doing business as Gridd Stone Company, Canton, Ohio, assignee of Gridd Stone Company.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Feb. 27, 1948, Serial No. 521,879. Published June 7, 1949. Class 4.

514,987. STERLING SILVER FLATWARE. THE ELLMORE SILVER CO., INC., Meriden, Conn.
Original filed, act of 1905, June 13, 1947; amended to application under act of 1946, Principal Register, Feb. 3, 1948, Serial No. 524,124. Published June 7, 1949. Class 28.

514,988. CLEANING PREPARATIONS IN GRANULE, POWDER, LIQUID, AND OTHER FORMS FOR GENERAL CLEANING PURPOSES, ETC. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948, Serial No. 524,927. Published May 24, 1949. Class 4.

514,989. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Mar. 13, 1948, Serial No. 525,430. Published May 31, 1949. Class 17.

514,990. CANNED PORK LOAF. ILLINOIS MEAT COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,805. Published May 31, 1949. Class 46.

514,991. GINGER-ALE. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,193. Published May 24, 1949. Class 45.

514,992. COMMERCIAL AND INDUSTRIAL REFRIGERATORS—NAMELY, REFRIGERATED DISPLAY CASES, REFRIGERATED DISPLAY COUNTERS, REFRIGERATED WALK-IN UNITS AND STORAGE REFRIGERATORS; DOMESTIC REFRIGERATORS, REFRIGERATION CONDENSING UNITS, AND COILS FOR SAID REFRIGERATORS. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo., now by change of name Hussmann Refrigerator Co., a corporation of Delaware.
Filed July 5, 1947, Serial No. 527,406. Published June 7, 1949. Class 31.

514,993. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,641. Published June 14, 1949. Class 37.

514,994. TENNIS-RACKET COVERS, GOLF BAGS, AND BOWLING BALL BAGS. TALON, INC., Meadville, Pa.
Filed July 5, 1947, Serial No. 527,768. Published May 10, 1949. Class 22.

514,995. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed July 5, 1947, Serial No. 527,773. Published June 7, 1949. Class 22.

514,996. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed July 5, 1947, Serial No. 527,775. Published May 31, 1949. Class 22.

514,997. MECHANICAL AND CHEMICAL EQUIPMENT UTILIZING THE ION EXCHANGE PRINCIPLE FOR THE PURIFICATION OF WATER, SUCH AS DEIONIZATION OR REMOVAL OF DISSOLVED SOLIDS. NATIONAL ALUMINATE CORPORATION, Chicago, Ill.
Filed July 5, 1947, Serial No. 528,030. Published June 7, 1949. Class 31.

514,998. AIR CLEANERS FOR INTERNAL COMBUSTION ENGINES. DONALDSON COMPANY, INC., doing business as Donaldson Co., Inc., St. Paul, Minn.
Filed July 14, 1947, Serial No. 528,560. Published May 24, 1949. Class 31.

514,999. WINDOW SHADE ROLLER. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J.
Filed July 16, 1947, Serial No. 528,725. Published May 31, 1949. Class 32.

515,000. BREAD. OROWEAT BAKING CO., Los Angeles, Calif.
Filed July 19, 1947, Serial No. 528,944. Published May 24, 1949. Class 46.

515,001. CHEMICAL PRODUCTS DERIVED FROM PETROLEUM—NAMELY, LIQUID ORGANIC HYDROPEROXIDE METHYL MERCAPTAN AND ETHYL MERCAPTAN. R. T. COLLIER CORPORATION, Los Angeles, Calif.
Filed Aug. 1, 1947, Serial No. 530,171. Published May 17, 1949. Class 6.

515,002. MOTH PREVENTATIVE AND INSECTICIDE. REEFER-GALLER, INC., New York, N. Y.
Filed Aug. 4, 1947, Serial No. 530,434. Published May 31, 1949. Class 6.

515,003. ATHLETIC EQUIPMENT—NAMELY, BLOCKING PADS, SHOULDER PADS, HELMETS, NOSE GUARDS, ETC. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,979. Published May 17, 1949. Class 22.

515,004. PENCIL AND INK TABLETS, NOTE BOOKS, COMPOSITION BOOKS, DRAWING PAPER AND TABLETS, BLANK MUSIC BOOKS, SPELLING TABLETS, ETC. BLACKWELL-WIELANDY COMPANY, St. Louis, Mo.
Filed Aug. 11, 1947, Serial No. 531,016. Published June 7, 1949. Class 37.

515,005. SEMIANTHRACITE COAL. THE PITTSBURG & MIDWAY COAL MINING CO., Kansas City, Mo.
Filed Aug. 13, 1947, Serial No. 531,241. Published Aug. 10, 1948. Class 1.

515,006. DETERGENTS FOR GENERAL USE AND HAVING THE PROPERTIES OF LOWERING SURFACE TENSION, CAUSING COLLOIDAL DISPERSION OR DEFLOCCULATION, FORMING EMULSIONS OR SUSPENSIONS AND FOAMING. E. F. DREW & CO., INC., New York, N. Y.
Filed Aug. 15, 1947, Serial No. 531,453. Published May 31, 1949. Class 4.

515,007. SOAPS. HAWAIIAN PERFUME & SOAP CORPORATION, Hollywood, Calif.
Filed Aug. 15, 1947, Serial No. 531,472. Published May 31, 1949. Class 4.

515,008. ENAMEL POLISH AND CLEANER, AND CHROME POLISH AND CLEANER. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed Aug. 16, 1947, Serial No. 531,590. Published May 31, 1949. Class 4.

515,009. DETERGENT FOR CLEANING GLASSES AND BEER SYSTEMS. EDWARD R. TAYLOR, doing business as Taylor Precision Manufacturing Co., Rocky River, Ohio.
Filed Aug. 19, 1947, Serial No. 531,863. Published June 7, 1949. Class 4.

515,010. LIBRARY BOOKSTACKS. SNEAD & COMPANY, Orange, Va.
Filed Aug. 21, 1947, Serial No. 532,064. Published May 24, 1949. Class 32.

515,011. FRESH CITRUS FRUITS AND FRESH DECIDUOUS FRUITS. A. E. PRUNER, Exeter, Calif.
Filed Aug. 23, 1947, Serial No. 532,250. Published May 24, 1949. Class 46.

515,012. FINISHED CAST LOW ALLOY CHILLED IRON ROLLS FOR ROLLING MILLS. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed Aug. 25, 1947, Serial No. 532,306. Published Apr. 26, 1949. Class 23.

515,013. CHILLED FINISHED CAST IRON ROLLS, CHILLED CAST MOLYBDENUM IRON ALLOY ROLLS AND SAND-CAST IRON ROLLS FOR ROLLING MILLS. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed Aug. 25, 1947, Serial No. 532,308. Published Apr. 26, 1949. Class 23.

515,014. FINISHED CAST CHROME MOLYBDENUM STEEL ALLOY ROLLS FOR ROLLING MILLS. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed Aug. 25, 1947, Serial No. 532,309. Published Apr. 26, 1949. Class 23.

515,015. FINISHED CAST NICKEL CHROMIUM IRON ALLOY ROLLS FOR ROLLING MILLS. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed Aug. 25, 1947, Serial No. 532,310. Published Apr. 26, 1949. Class 23.

515,016. SALT. LESLIE SALT CO., Wilmington, Del.
Filed Aug. 18, 1947, Serial No. 532,409. Published May 24, 1949. Class 46.

515,017. NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGE SOLD AS A SOFT DRINK, AND SYRUP FOR MAKING THE SAME. THE MOXIE COMPANY, Boston, Mass.
Filed Aug. 27, 1947, Serial No. 532,626. Published May 24, 1949. Class 45.

515,018. CAKE FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,711. Published May 31, 1949. Class 46.

515,019. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,731. Published May 31, 1949. Class 46.

515,020. HYBRID SEED CORN. UNITED HYBRID GROWERS ASSOCIATION, Shenandoah, Iowa.
Filed Aug. 28, 1947, Serial No. 532,775. Published May 24, 1949. Class 1.

515,021. QUENCHING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed Sept. 5, 1947, Serial No. 533,576. Published May 24, 1949. Class 15.

515,022. HOUSEHOLD CLEANER IN POWDERED AND LIQUID FORM, FOR USE IN CLEANING PAINTED SURFACES, LINOLEUM, FABRIC, AND UPHOLSTERY. CHARLES P. MOORE, doing business as Moore & Son, Tucson, Ariz.
Filed Sept. 5, 1947, Serial No. 533,595. Published June 7, 1949. Class 4.

515,023. CONCRETE FORM TIES. STAR EXPANSION PRODUCTS COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,635. Published May 10, 1949. Class 12.

515,024. BUTTER. MAID OF CALIFORNIA MILK COMPANY, Vallejo, Calif.
Filed Sept. 9, 1947, Serial No. 533,908. Published May 24, 1949. Class 46.

515,025. SAUSAGES. AUTH-LOFFLER, INC., Washington, D. C.
Filed Sept. 10, 1947, Serial No. 533,972. Published May 24, 1949. Class 46.

515,026. TEA. THOMAS J. LIPTON, INC., Hoboken, N. J.
Filed Sept. 12, 1947, Serial No. 534,294. Published May 24, 1949. Class 46.

515,027. CANDY. THE MASON CANDY COMPANY, Trinidad, Colo.
Filed Sept. 12, 1947, Serial No. 534,301. Published May 31, 1949. Class 46.

515,028. ALIMENTARY PASTES. C. F. MUELLER CO., Jersey City, N. J., now by merger C. F. Mueller Company, a corporation of Delaware.
Filed Sept. 12, 1947, Serial No. 534,318. Published May 24, 1949. Class 46.

515,029. MATTRESSES. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio.
Filed Sept. 17, 1947, Serial No. 534,828. Published May 31, 1949. Class 32.

515,030. BREAKFRONTS; CHESTS OF DRAWERS; COMMODES; BOOKCASES, ETC. THE MENGEL COMPANY, Louisville, Ky.
Filed Sept. 20, 1947, Serial No. 535,172. Published May 31, 1949. Class 32.

515,031. LIQUID GLASS CLEANER FOR WINDSHIELDS, WINDOWS, MIRRORS, SHOWCASES, AND THE LIKE. WILFRED G. KING, doing business as Spray Brite Co., Minneapolis, Minn., assignor to Spray-Brite Company, Minneapolis, Minn., a firm.
Filed Sept. 24, 1947, Serial No. 535,539. Published June 7, 1949. Class 4.

515,032. FINISHED CAST CARBON STEEL ROLLS FOR ROLLING MILLS. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed Sept. 24, 1947, Serial No. 535,576. Published Apr. 26, 1949. Class 23.

515,033. TABLETS CONTAINING BOTH RUTIN AND ASCORBIC ACID, FOR USE IN CONNECTION WITH CAPILLARY FRAGILITY AND RELATED CONDITIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed Sept. 25, 1947, Serial No. 535,753. Published May 31, 1949. Class 6.

515,034. TOY FOR CHILDREN COMPRISING A TETHERED BALL ADAPTED FOR SUSPENSION FROM THE SIDE OF A CRIB, PLAY PEN OR THE LIKE. CHILDHOOD INTERESTS, INC., Roselle Park, N. J.
Filed Sept. 26, 1947, Serial No. 535,809. Published June 7, 1949. Class 22.

515,035. NATURAL SPRING-WATER AND FOR OTHER OF ITS PRODUCTS, ETC. CHIPPEWA SPRINGS CORPORATION, Minneapolis, Minn.
Filed Sept. 26, 1947, Serial No. 535,810. Published May 17, 1949. Class 45.

515,036. SYNTHETIC ORGANIC DETERGENTS, SOAPS, SOLVENT CLEANSERS, ETC. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed Sept. 26, 1947, Serial No. 535,872. Published June 7, 1949. Class 4.

515,037. CANDY. E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif.
Filed Sept. 29, 1947, Serial No. 536,085. Published Nov. 9, 1948. Class 46.

515,038. WHEAT FLOUR. VAN DUSEN HARRINGTON CO., Minneapolis, Minn.
Filed Sept. 29, 1947, Serial No. 536,187. Published May 24, 1949. Class 46.

515,039. BOTTLE WASHING COMPOUND. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., and other places throughout the United States, now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware.
Filed Oct. 2, 1947, Serial No. 536,571. Published May 24, 1949. Class 4.

515,040. WINDOW SHADES. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,787. Published June 14, 1949. Class 32.

515,041. WINDOW SHADES. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,788. Published June 14, 1949. Class 32.

515,042. MIRROR GLASS. SEMON BACHE & COMPANY, New York, N. Y.
Filed Oct. 9, 1947, Serial No. 537,279. Published May 24, 1949. Class 33.

515,043. POCKET WATCHES, WRIST WATCHES, DIALS, AND ALL PARTS OF WATCHES. FABRIQUE D'HORLOGERIE SILVANA S. A., Tramelan, Switzerland.
Filed Oct. 10, 1947, Serial No. 537,479. Published Dec. 21, 1948. Class 27.

515,044. WINDOW SHADE ROLLERS AND VENETIAN BLIND SLATS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed Oct. 11, 1947, Serial No. 537,564. Published June 14, 1949. Class 32.

515,045. FRESH CITRUS FRUITS. EAST WHITTIER CITRUS ASSOCIATION, Whittier, Calif.
Filed Oct. 14, 1947, Serial No. 537,792. Published May 24, 1949. Class 46.

515,046. ROUGH AND DRESSED LUMBER, ETC. ERNST SEIDELMANN CORPORATION, New York, N. Y.
Filed Oct. 15, 1947, Serial No. 537,943. Published Sept. 7, 1948. Class 12.

515,047. METAL POLISH. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed Oct. 16, 1947, Serial No. 537,974. Published May 31, 1949. Class 4.

515,048. ALE AND STOUT. OLAND & SON LTD., Halifax, Nova Scotia, Canada.
Filed Oct. 20, 1947, Serial No. 538,443. Published May 24, 1949. Class 48.

515,049. WATCHES, WATCH CASES AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed Oct. 21, 1947, Serial No. 538,535. Published June 22, 1948. Class 27.

515,050. WATCHES, WATCH CASES AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed Oct. 21, 1947, Serial No. 538,536. Published June 22, 1948. Class 27.

515,051. WATCHES, WATCH CASES AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed Oct. 21, 1947, Serial No. 538,537. Published June 22, 1948. Class 27.

515,052. FISHING REELS. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan.
Filed Oct. 24, 1947, Serial No. 538,873. Published May 10, 1949. Class 22.

515,053. WINDOWS, WINDOW FRAMES, WINDOW SCREENS, FRAMED COMBINATION STORM AND SCREEN SASH. CORRY-JAMESTOWN MANUFACTURING CORPORATION, Corry, Pa.
Filed Oct. 24, 1947, Serial No. 538,896. Published May 10, 1949. Class 12.

515,054. CANDY. BRIGHAM'S, INC., Cambridge, Mass.
Filed Oct. 27, 1947, Serial No. 539,128. Published Apr. 26, 1949. Class 46.

515,055. BEER. F. W. COOK COMPANY, INC., Evansville, Ind.
Filed Oct. 30, 1947, Serial No. 539,498. Published May 17, 1949. Class 48.

515,056. STOVE POLISH. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,619. Published June 7, 1949. Class 4.

515,057. GAME TABLES—NAMELY, POKER TABLES. HARRY M. WOLFE, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,795. Published May 10, 1949. Class 22.

515,058. SOAPS. ARMOUR AND COMPANY, Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,145. Published June 7, 1949. Class 4.

515,059. FISHING TACKLE—NAMELY, SPINNERS, SPOONS, PLUGS, HOOKS, LEADERS, FISHING LINE, AND FROG AND MINNOW HARNESS. BRAINERD BAIT CO., St. Paul, Minn.
Filed Nov. 8, 1947, Serial No. 540,514. Published May 3, 1949. Class 22.

515,060. BOND, LEDGER, MIMEO AND DUPLICATING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed Nov. 8, 1947, Serial No. 540,554. Published May 31, 1949. Class 37.

515,061. LIQUID TYPE CLEANER, PARTICULARLY FOR USE IN CLEANING TYPEWRITER TYPE. THOMAS D. PAYNE, doing business as T. D. Payne Laboratories, Houston, Tex.
Filed Nov. 10, 1947, Serial No. 540,704. Published May 24, 1949. Class 4.

515,062. COATED ABRASIVES. ARMOUR AND COMPANY, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 540,966. Published June 7, 1949. Class 4.

515,063. CANNED FRUITS—NAMELY, APRICOTS, PEARS, AND PEACHES. WINSTON AND NEWELL COMPANY, doing business as Charles Hewitt & Sons Co., Wilmington, Del., and Minneapolis, Minn.
Filed Nov. 14, 1947, Serial No. 541,247. Published May 24, 1949. Class 46.

515,064. FURNITURE—NAMELY, WOOD AND METAL TABLES, DAVENPORTS, SETTEES, UPHOLSTERED CHAIRS, ETC. E. & G. GUMP COMPANY, San Francisco, Calif.
Filed Nov. 15, 1947, Serial No. 541,294. Published May 31, 1949. Class 32.

515,065. TOMATO JUICE COCKTAIL, TOMATO JUICE, AND PRESERVES—NAMELY, PEACH, STRAWBERRY, CHERRY, GRAPE, BLACK RASPBERRY, RED RASPBERRY, SEEDLESS BLACK RASPBERRY, BLACKBERRY, APRICOT, PINEAPPLE, AND PLUM. G. L. WEBSTER COMPANY, INC., Cheriton, Va.
Filed Nov. 18, 1947, Serial No. 541,616. Published Oct. 19, 1948. Class 46.

515,066. BUFFING WHEELS AND COMPONENT PARTS THEREOF. F. L. & J. C. CODMAN COMPANY, Rockland, Mass.
Filed Nov. 22, 1947, Serial No. 542,001. Published June 7, 1949. Class 4.

515,067. READY-MIXED PAINT. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,138. Published Apr. 19, 1949. Class 16.

515,068. SOLUBLE CLEANER, CLEANSER AND DETERGENT. CLEAN TIM, LIMITED, Toronto, Ontario, Canada.
Filed Nov. 28, 1947, Serial No. 542,535. Published June 7, 1949. Class 4.

515,069. LIQUID SOAP, SWEEPING COMPOUND, DUST-COLLECTING SWEEPING POWDER, AND POWDER FOR DUSTLESS SWEEPING. THE FITCH DUSTDOWN COMPANY, Baltimore, Md.
Filed Oct. 13, 1947, Serial No. 542,723. Published June 7, 1949. Class 4.

515,070. FLAT PRINTING PAPER. S. D. WARREN COMPANY, Boston, Mass.
Filed Oct. 22, 1947, Serial No. 542,736. Published Sept. 7, 1948. Class 37.

515,071. CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed Dec. 3, 1947, Serial No. 543,050. Published May 31, 1949. Class 37.

515,072. SHEET OR PLATE OF A RESINOUS COMPOSITION ADAPTED FOR FORMING INTO A TEMPORARY DENTAL PLATE USED IN PROSTHETIC DENTISTRY. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed Dec. 3, 1947, Serial No. 543,147. Published May 24, 1949. Class 44.

515,073. SPOONS FOR ARTIFICIAL FISHING BAIT. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 543,356. Published May 17, 1949. Class 22.

515,074. SPOONS FOR ARTIFICIAL FISHING BAIT. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed Oct. 3, 1947, Serial No. 543,358. Published May 17, 1949. Class 22.

515,075. CANDY. FRED W. AMEND CO., Chicago, Ill.
Filed Dec. 9, 1947, Serial No. 543,769. Published May 17, 1949. Class 46.

515,076. GENERAL CLEANING AND SCOURING COMPOUND. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J.
Filed Dec. 10, 1947, Serial No. 543,995. Published June 7, 1949. Class 4.

515,077. WHEAT FLOUR. BLISH MILLING COMPANY, Seymour, Ind.
Filed Dec. 15, 1947, Serial No. 544,317. Published May 17, 1949. Class 46.

515,078. CANNED FRUITS—NAMELY, FIGS. PLANADA PACKERS, Planada, Calif.
Filed Dec. 15, 1947, Serial No. 544,386. Published May 24, 1949. Class 46.

515,079. CANNED PEAS AND CANNED PEACHES. TAYLOE & SLEDD, INC., Richmond, Va.
Filed Dec. 15, 1947, Serial No. 544,401. Published May 24, 1949. Class 46.

515,080. BLEND OF COFFEE AND CHICORY. BOWERS BROTHERS, INC., Richmond, Va.
Filed Dec. 19, 1947, Serial No. 544,844. Published May 24, 1949. Class 46.

515,081. CANNED VEGETABLES. J. W. FURMAN CANNERY, Northumberland, Pa.
Filed Dec. 26, 1947, Serial No. 545,470. Published May 24, 1949. Class 46.

515,082. BARN STALLS. STARLINE INC., Harvard, Ill.
Filed Dec. 30, 1947, Serial No. 545,787. Published May 17, 1949. Class 12.

515,083. POTASSIUM CHLORATE. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill.
Filed Dec. 31, 1947, Serial No. 545,857. Published May 10, 1949. Class 6.

515,084. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed Dec. 31, 1947, Serial No. 545,903. Published May 31, 1949. Class 17.

515,085. CLEANER FOR DENTAL PLATES. EARL C. WEST, doing business as Dr. West Company, Mora, Minn.
Filed Dec. 31, 1947, Serial No. 545,923. Published June 7, 1949. Class 4.

515,086. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed Jan. 3, 1948, Serial No. 546,099. Published June 7, 1949. Class 27.

515,087. BILLIARD TABLES AND BILLIARD CUES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed Jan. 7, 1948, Serial No. 546,355. Published May 17, 1949. Class 22.

515,088. SOLUBLE CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Jan. 7, 1948, Serial No. 546,425. Published June 7, 1949. Class 4.

515,089. FRESH CITRUS FRUITS. SIERRA MADRE-LAMANDA CITRUS ASSOCIATION, Pasadena, Calif.
Filed Jan. 12, 1948, Serial No. 546,796. Published May 17, 1949. Class 46.

515,090. FRESH CITRUS FRUIT. MUPU CITRUS ASSOCIATION, Santa Paula, Calif.
Filed Jan. 13, 1948, Serial No. 546,859. Published May 17, 1949. Class 46.

515,091. FILTER BAGS; BAG TYPE AND LEAF TYPE FILTERS FOR REMOVING SOLID INSOLUBLE PARTICLES FROM SOLVENTS AND SIMILAR LIQUIDS. DETREX CORPORATION, Detroit, Mich.
Filed Jan. 14, 1948, Serial No. 546,971. Published May 10, 1949. Class 31.

515,092. SOAP. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y.
Filed Jan. 14, 1948, Serial No. 547,008. Published June 7, 1949. Class 4.

515,093. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed Jan. 17, 1948, Serial No. 547,346. Published June 7, 1949. Class 4.

515,094. FRESH DECIDUOUS FRUITS. M. S. DODD, San Francisco, Calif.
Filed Jan. 19, 1948, Serial No. 547,434. Published May 24, 1949. Class 46.

515,095. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed Jan. 19, 1948, Serial No. 547,490. Published May 31, 1949. Class 17.

515,096. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed Jan. 19, 1948, Serial No. 547,491. Published May 31, 1949. Class 17.

515,097. CONCRETE CURING COMPOUNDS. THE TECHKOTE COMPANY, Inglewood, Calif.
Filed Jan. 20, 1948, Serial No. 547,580. Published May 10, 1949. Class 12.

515,098. FRESH GRAPES, PLUMS, AND NECTARINES. FRESNO GRAPE DISTRIBUTORS, INC., Beverly Hills and Fresno, Calif.
Filed Jan. 26, 1948, Serial No. 547,987. Published May 24, 1949. Class 46.

515,099. FRESH GRAPES, PLUMS AND NECTARINES. FRESNO GRAPE DISTRIBUTORS, INC., Beverly Hills and Fresno, Calif.
Filed Jan. 26, 1948, Serial No. 547,988. Published May 24, 1949. Class 46.

515,100. FRESH LETTUCE. MEYER SCHUMAN CO., also doing business as Schuman Farms, Beverly Hills and Watsonville, Calif., and Chicago, Ill.
Filed Jan. 26, 1948, Serial No. 548,019. Published May 17, 1949. Class 46.

515,101. FRESH VEGETABLES. MEYER SCHUMAN CO., also doing business as Schuman Farms, Beverly Hills and Watsonville, Calif., and Chicago, Ill.
Filed Jan. 26, 1948, Serial No. 548,020. Published May 24, 1949. Class 46.

515,102. GELATIN DESSERTS. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed Jan. 26, 1948, Serial No. 548,025. Published May 24, 1949. Class 46.

515,103. FRESH VEGETABLES. A. T. VILLARD, Blythe, Calif.
Filed Jan. 26, 1948, Serial No. 548,029. Published May 24, 1949. Class 46.

515,104. MOTOR OIL. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed Jan. 26, 1948, Serial No. 548,036. Published May 31, 1949. Class 15.

515,105. TOOTHPICKS. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed Jan. 28, 1948, Serial No. 548,152. Published May 24, 1949. Class 44.

515,106. FRESH CITRUS FRUITS. THE ORDER OF ST. BENEDICT OF FLORIDA, St. Leo, Fla.
Filed Jan. 28, 1948, Serial No. 548,175. Published May 24, 1949. Class 46.

515,107. BUTTER. ZENITH-GODLEY CO. INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,445. Published May 24, 1949. Class 46.

515,108. FRESH CITRUS FRUITS. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif.
Filed Jan. 31, 1948, Serial No. 548,548. Published May 24, 1949. Class 46.

515,109. FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, AND FRESH CITRUS FRUITS. YECKES-EICHENBAUM, INC., New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,555. Published May 24, 1949. Class 46.

515,110. PREPARED CAKE MIXTURES. ROSE R. LANG, Buffalo, N. Y.
Filed Feb. 3, 1948, Serial No. 548,659. Published May 24, 1949. Class 46.

515,111. ELECTRICAL MEASURING AND CONTROL APPARATUS, ETC. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa.
Filed Sept. 19, 1947, Serial No. 548,711. Published June 7, 1949. Class 26.

515,112. CANNED SALMON. J. L. SMILEY & CO., Seattle, Wash.
Filed Feb. 5, 1948, Serial No. 548,874. Published May 24, 1949. Class 46.

515,113. MECHANICAL TOYS—NAMELY, MANUALLY OPERATED, SPRING OPERATED OR ELECTRICALLY OPERATED VEHICLES, ETC. SCHUCO TOY CO. INC., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 549,007. Published June 7, 1949. Class 22.

515,114. FOOT ARCH SUPPORTS, METATARSAL PADS, ELASTIC FOOT CUSHIONS AND APPLIANCES FOR THE RELIEF OF CORNS, CALLOUSES, AND BUNIONS. INTERNATIONAL FOOT APPLIANCES LIMITED, London, England.
Filed Feb. 9, 1948, Serial No. 549,150. Published May 24, 1949. Class 44.

515,115. GAME PLAYED WITH CHIPS. PARKER BROTHERS, INC., Salem, Mass.
Filed Nov. 3, 1947, Serial No. 549,329. Published May 3, 1949. Class 22.

515,116. IMPLEMENT FOR POLISHING TEETH. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio.
Filed Nov. 28, 1947, Serial No. 549,397. Published May 24, 1949. Class 44.

515,117. SOLDERING FLUX IN PASTE FORM AND IN STICK FORM. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind.
Filed Feb. 12, 1948, Serial No. 549,562. Published June 7, 1949. Class 6.

515,118. LOOSE LEAF BINDERS. NATIONAL BLANK BOOK COMPANY, Holyoke, Mass.
Filed Feb. 13, 1948, Serial No. 549,648. Published May 31, 1949. Class 37.

515,119. PORTLAND POZZOLANA CEMENT. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed Feb. 19, 1948, Serial No. 550,111. Published May 24, 1949. Class 12.

515,120. PLASTIC AND NON-PLASTIC HEAT INSULATING MATERIAL, ETC. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed Feb. 21, 1948, Serial No. 550,344. Published May 24, 1949. Class 12.

515,121. METAL ARTICLES FOR BUILDING CONSTRUCTIONS, ETC. INLAND STEEL PRODUCTS COMPANY, Milwaukee, Wis.
Filed Feb. 25, 1948, Serial No. 550,510. Published May 24, 1949. Class 12.

515,122. POWDERED MATERIAL OBTAINED SUBSTANTIALLY ENTIRELY FROM SULPHITE WASTE LIQUOR REDUCED TO A POWDERED FORM AND PRINCIPALLY EMPLOYED AS A DISPERSING AGENT FOR CEMENT IN MIXING CONCRETE. PUGET SOUND PULP AND TIMBER CO., Bellingham, Wash.
Filed Mar. 1, 1948, Serial No. 550,947. Published May 24, 1949. Class 6.

515,123. ROLLER SKATES. MIDWEST INDUSTRIES, INCORPORATED, Cleveland, Ohio.
Filed Mar. 3, 1948, Serial No. 551,125. Published May 10, 1949. Class 22.

515,124. SHOE SHINE CABINETS. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Mar. 6, 1948, Serial No. 551,380. Published May 24, 1949. Class 32.

515,125. LUBRICATING GREASE. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y.
Filed Mar. 9, 1948, Serial No. 551,550. Published May 31, 1949. Class 15.

515,126. TOY BLOCKS. JINGLE JOY TOYS, INC., Orlando, Fla.
Filed Mar. 10, 1948, Serial No. 551,636. Published May 31, 1949. Class 22.

515,127. MATTRESSES AND BOX SPRINGS. SIMMONS COMPANY, New York, N. Y.
Filed Mar. 11, 1948, Serial No. 551,742. Published May 31, 1949. Class 32.

515,128. GOLF TEES. JOHN S. NORRINGTON, San Francisco, Calif.
Filed Mar. 13, 1948, Serial No. 551,909. Published June 7, 1949. Class 22.

515,129. COIN-CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed Mar. 15, 1948, Serial No. 551,963. Published May 3, 1949. Class 22.

515,130. LIQUID CLEANING AGENT WHICH IS USED TO CLEAN AND LUBRICATE THE BORDERS AND PREBORDERS OF HOSIERY FORMS. COLLEGE PHARMACY PRODUCTS, Medford, Mass.
Filed Mar. 16, 1948, Serial No. 552,040. Published June 7, 1949. Class 4.

515,131. MERCHANDISING DISPLAY AND STORAGE CABINET. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed Mar. 16, 1948, Serial No. 552,059. Published May 31, 1949. Class 32.

515,132. WATCHES. MEYLAN STOPWATCH COMPANY, New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,068. Published May 31, 1949. Class 27.

515,133. WRITING TABLETS, PAPETERIES, COMPOSITION BOOKS, STUDENT NOTEBOOKS, SPELLING TABLETS, AND LOOSE LEAF PAPERS. OSBORN PAPER COMPANY, INC., Marion, Ind.
Filed Mar. 17, 1948, Serial No. 552,162. Published May 31, 1949. Class 37.

515,134. WATER TREATING EQUIPMENT—NAMELY, CHEMICAL SOFTENERS, FILTERS, AND PURIFIERS. OSHKOSH FILTER & SOFTENER COMPANY, Oshkosh, Wis.
Filed Mar. 18, 1948, Serial No. 552,262. Published May 17, 1949. Class 31.

515,135. DENTAL HANDPIECE CONSISTING OF A DRIVER AND WRIST JOINT, STRAIGHT HAND PIECE, AND CONTRA ANGLE HAND PIECE. DENSCO, INCORPORATED, Denver, Colo.
Filed Dec. 1, 1947, Serial No. 552,306. Published May 24, 1949. Class 44.

515,136. BEER. GRIESEDIECK WESTERN BREWERY COMPANY, Belleville, Ill.
Filed Mar. 19, 1948, Serial No. 552,454. Published May 10, 1949. Class 48.

515,137. WRAPPING PAPER AND PARTICULARLY BUTCHER'S WRAPPING PAPER. TARENTUM PRODUCTS CORPORATION, Tarentum, Pa.
Filed Mar. 20, 1948, Serial No. 552,614. Published May 24, 1949. Class 37.

515,138. LEATHER STRIPS FOR GOLF CLUBS AND RACKET HANDLES. LAMKIN LEATHER COMPANY, Chicago, Ill.
Filed Mar. 22, 1948, Serial No. 552,671. Published May 3, 1949. Class 22.

515,139. FACE CREAM. DE KAMA, INC., Los Angeles, Calif.
Filed Mar. 23, 1948, Serial No. 552,754. Published June 7, 1949. Class 6.

515,140. FISHING LINES. LONG ISLAND FISH LINE CO., INC., Farmingdale, N. Y.
Filed Mar. 23, 1948, Serial No. 552,789. Published May 10, 1949. Class 22.

515,141. SOLUBLE OIL FOR USE AS CUTTING OIL. THE PURE OIL COMPANY, Chicago, Ill.
Filed Mar. 23, 1948, Serial No. 552,799. Published May 31, 1949. Class 15.

515,142. HAIR DRESS PREPARATION IN THE NATURE OF A SALVE AND AN OIL FOR THE SCALP TO RELIEVE DRYNESS AND DANDRUFF SCALES. MARGUERITT BETTIS BERRY, Cleveland, Ohio.
Filed Mar. 10, 1948, Serial No. 552,913. Published June 7, 1949. Class 6.

515,143. BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed Mar. 25, 1948, Serial No. 552,938. Published May 10, 1949. Class 22.

515,144. PERFUME, TOILET WATER, EAU DE COLOGNE, ETC. THE PARFUMS LILLY DACHE, LTD., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,013. Published May 31, 1949. Class 6.

515,145. RUBBER FLOORING IN TILE AND SHEET FORM. VOORHEES RUBBER MFG. CO., INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,037. Published May 10, 1949. Class 12.

515,146. RUBBER FLOORING IN TILE AND SHEET FORM. VOORHEES RUBBER MFG. CO., INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,038. Published May 10, 1949. Class 12.

515,147. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING SAME. DR. PEPPER COMPANY, Dallas, Tex.
Filed Mar. 26, 1948, Serial No. 553,088. Published May 10, 1949. Class 45.

515,148. PAPER TOWELS. HOBERG PAPER MILLS, INC., Green Bay, Wis.
Filed Mar. 26, 1948, Serial No. 553,110. Published May 31, 1949. Class 37.

515,149. CONDUIT, DUCTS, AND PIPES MADE OF FIBRE COMPOSITION, AND FITTINGS FOR THE SAME. ORANGEBURG MANUFACTURING CO., INC., Orangeburg, N. Y.
Filed Mar. 27, 1948, Serial No. 553,213. Published May 31, 1949. Class 12.

515,150. GRAPE JUICE. TEA GARDEN PRODUCTS CO., San Francisco, Calif.
Filed Mar. 31, 1948, Serial No. 553,549. Published May 10, 1949. Class 45.

515,151. PREPARATIONS TO BE ADDED TO A CEMENT MIX FOR WATERPROOFING CEMENT. EVODE CHEMICAL WORKS LIMITED, Stafford, England.
Filed Apr. 1, 1948, Serial No. 553,581. Published May 24, 1949. Class 12.

515,152. LUBRICATING OILS AND GREASES. THE HODSON CORPORATION, Chicago, Ill.
Filed Apr. 1, 1948, Serial No. 553,616. Published May 31, 1949. Class 15.

515,153. MINNOW BUCKETS, TACKLE BOXES, AND BAIT BOXES. STRATTON & TERSTEGGE COMPANY, Louisville, Ky.
Filed Apr. 1, 1948, Serial No. 553,649. Published May 3, 1949. Class 22.

515,154. MINNOW BUCKETS. STRATTON & TERSTEGGE COMPANY, Louisville, Ky.
Filed Apr. 1, 1948, Serial No. 553,651. Published May 3, 1949. Class 22.

515,155. ADHESIVE PLASTERS. THE SEAMLESS RUBBER COMPANY, New Haven, Conn.
Filed Apr. 5, 1948, Serial No. 553,920. Published May 24, 1949. Class 44.

515,156. BOARD GAME WITH MOVABLE PIECES. THE ELECTRIC GAME COMPANY, doing business as The Holyoke Game Co., Holyoke, Mass.
Filed Apr. 8, 1948, Serial No. 554,102. Published May 10, 1949. Class 22.

515,157. CHEMICAL SUBSTANCES FOR USE AS ASSISTANTS IN THE DYEING OR TREATING OF TEXTILES AND OTHER FIBROUS MATERIALS. WARD BLENKINSOP & COMPANY LIMITED, London W., England.
Filed Apr. 9, 1948, Serial No. 554,206. Published May 24, 1949. Class 6.

515,158. PORTLAND CEMENT. NORTH AMERICAN CEMENT CORPORATION, New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,249. Published May 31, 1949. Class 12.

515,159. PAPER TOWELS. SCOTT PAPER COMPANY, Chester, Pa.
Filed Apr. 12, 1948, Serial No. 554,428. Published May 17, 1949. Class 37.

515,160. CARD GAME. PARKER BROTHERS, INC., Salem, Mass.
Filed Apr. 15, 1948, Serial No. 554,698. Published May 17, 1949. Class 22.

515,161. BILLIARD TABLE CUSHIONS. STOWE-WOODWARD, INC., Newton Upper Falls and Newton, Mass.
Filed Apr. 16, 1948, Serial No. 554,834. Published May 31, 1949. Class 22.

515,162. RUBBER ACCELERATORS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed Apr. 17, 1948, Serial No. 554,929. Published June 7, 1949. Class 6.

515,163. RUBBER ACCELERATORS. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed Apr. 17, 1948, Serial No. 554,930. Published June 7, 1949. Class 6.

515,164. MINERAL WAX. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Apr. 19, 1948, Serial No. 555,020. Published May 31, 1949. Class 15.

515,165. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATED EXTRACTS FOR MAKING THE SAME. WALLER M. BUCKHAM, Glendale, Calif.
Filed Apr. 20, 1948, Serial No. 555,052. Published May 10, 1949. Class 45.

515,166. INSECTICIDE. RESIDEX CORPORATION, Newark, N. J.
Filed Apr. 20, 1948, Serial No. 555,084. Published May 10, 1949. Class 6.

515,167. CANDLES. MABEL K. BAKER, doing business as Colonial Candle Co. of Cape Cod, Barnstable, Mass.
Filed Apr. 21, 1948, Serial No. 555,141. Published May 31, 1949. Class 15.

515,168. LUBRICATING OILS. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed Apr. 29, 1948, Serial No. 555,852. Published May 31, 1949. Class 15.

515,169. WATCHES AND CLOCKS. A. C. BECKEN CO., Chicago, Ill.
Filed July 31, 1947, Serial No. 555,859. Published June 7, 1949. Class 27.

515,170. BOOK-PAPER, WRITING-PAPER, CORRESPONDENCE ENVELOPS, BOND-PAPER, AND BRISTOL-BOARD. BRADNER SMITH & COMPANY, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 555,864. Published June 7, 1949. Class 37.

515,171. PREPARATIONS FOR USE IN TREATING POULTRY, DOMESTIC ANIMALS AND FARM LIVESTOCK—NAMELY, ANTHELMINTICS, ETC. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed Apr. 30, 1948, Serial No. 555,961. Published May 31, 1949. Class 6.

515,172. GASOLINE. SEASIDE OIL COMPANY, Santa Barbara, Calif.
Filed May 7, 1948, Serial No. 556,487. Published May 24, 1949. Class 15.

515,173. BOND PAPER. LEE PAPER COMPANY, Vicksburg, Mich.
Filed May 12, 1948, Serial No. 556,900. Published May 31, 1949. Class 37.

515,174. BLANK AUTOGRAPH BOOKS. THE STANDARD DIARY COMPANY, Cambridge, Mass.
Filed May 14, 1948, Serial No. 557,076. Published May 24, 1949. Class 37.

515,175. TOILET TISSUE, PAPER NAPKINS, PAPER TOWELS AND FACIAL TISSUE. ASHLAND PAPER MILLS, INC., Ashland, N. H.
Filed May 19, 1948, Serial No. 557,336. Published May 31, 1949. Class 37.

515,176. DRILL COLLAR DOPE, TOOL JOINT DOPE, AND SEALING COMPOUND, ALL OF WHICH ARE PLASTIC COMPOUNDS FOR LUBRICATING AND SEALING THREADED JOINTS. WELL EQUIPMENT MFG. CORP., Houston, Tex.
Filed May 24, 1948, Serial No. 557,706. Published May 24, 1949. Class 12.

515,177. DRILL COLLAR DOPE, TOOL JOINT DOPE AND SEALING COMPOUND, ALL OF WHICH ARE PLASTIC COMPOUNDS FOR LUBRICATING AND SEALING THREADED JOINTS. WELL EQUIPMENT MFG. CORP., Houston, Tex.
Filed May 24, 1948, Serial No. 557,709. Published May 24, 1949. Class 12.

515,178. TOILET SOAP AND LAUNDRY SOAP. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed May 28, 1948, Serial No. 558,006. Published May 24, 1949. Class 4.

515,179. SOAP. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed June 8, 1948, Serial No. 558,716. Published May 24, 1949. Class 4.

515,180. DERMATOLOGICAL PREPARATIONS FOR FUNGUS AND OTHER MINOR SKIN INFECTIONS. LEON TUHOLSKE, doing business as TX Company, Akron, Ohio.
Filed June 15, 1948, Serial No. 559,260. Published May 31, 1949. Class 6.

515,181. COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR RESTORING LOST POWER IN AUTOMOBILE ENGINES BY DISSOLVING GUM AND FREEING STICKY VALVES AND RINGS, AND FOR DISSOLVING GUM AND SLUDGE IN THE CRANKCASE. CARL J. BARTON, doing business as Barton Products, Chicago, Ill.
Filed June 18, 1948, Serial No. 559,568. Published June 7, 1949. Class 6.

515,182. SOAPS. UNIVERSAL LABORATORIES, INC., East Orange, N. J.
Filed July 1, 1948, Serial No. 560,588. Published May 24, 1949. Class 4.

515,183. DETERGENT PREPARATIONS USED FOR METAL CLEANING, FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING PURPOSES, AND FOR INCORPORATING IN DENTIFRICES, SOAP, AND SOAP PREPARATIONS. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed July 9, 1948, Serial No. 560,953. Published June 7, 1949. Class 4.

515,184. ANTI-DETONATION FLUID FOR INTERNAL COMBUSTION ENGINES. THE STANDARD OIL COMPANY, Cleveland, Ohio.
Filed July 10, 1948, Serial No. 561,152. Published June 7, 1949. Class 6.

515,185. CLOSET LINING MADE OF CEDAR. GEORGE C. BROWN & COMPANY, Greensboro, N. C.
Filed Mar. 17, 1948, Serial No. 561,409. Published May 24, 1949. Class 12.

515,186. DECORATIVE FINGER NAIL COVERS. LORENA LEWIS, New York, N. Y., assignor to Parx Products Corporation, New York, N. Y., a corporation of Delaware.
Filed July 19, 1948, Serial No. 561,675. Published May 24, 1949. Class 44.

515,187. AUTOMOBILE SEAT COVERS; AUTOMOBILE HEATERS; AND AUTOMOBILE DEFROSTERS. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 13, 1948, Serial No. 563,363. Published Mar. 29, 1949. Class 19.

515,188. WHITENING AND BRIGHTENING MATERIAL FOR USE IN WASHING TEXTILES. BEACH SOAP COMPANY, Lawrence, Mass.
Filed Aug. 17, 1948, Serial No. 563,597. Published May 31, 1949. Class 6.

515,189. PREPARATION TO BE APPLIED TO THE FACE TO SOFTEN THE BEARD AND TO CAUSE THE HAIRS TO STAND SUBSTANTIALLY ERECT PREPARATORY TO SHAVING. ABRAHAM S. GECHTMAN, Newark, N. J.
Filed Aug. 25, 1948, Serial No. 564,111. Published May 24, 1949. Class 4.

515,190. ASTRINGENT AND ANTISEPTIC PREPARATIONS AND OINTMENTS. DOME CHEMICALS, INC., New York, N. Y.
Filed Aug. 28, 1948, Serial No. 564,320. Published June 7, 1949. Class 6.

515,191. CLEANING COMPOUND FOR FLOORS AND WALLS, AND A SHAMPOO PREPARATION FOR CLEANING RUGS, CARPETS, AND UPHOLSTERY. BREUER ELECTRIC MFG. CO., Chicago, Ill.
Filed Sept. 13, 1948, Serial No. 565,039. Published May 24, 1949. Class 4.

515,192. PERMANENT TYPE ANTI-FREEZE WITH PROPYLENE GLYCOL BASE. J. C. SULLIVAN, doing business as Nu-Way Products Co., North Little Rock, Ark.
Filed Sept. 22, 1948, Serial No. 565,658. Published June 7, 1949. Class 6.

515,193. COAGULATORS AND INTENSIFIERS, ETC. FLAVOR-LINE, INC., Chicago, Ill.
Filed Sept. 29, 1948, Serial No. 566,070. Published May 24, 1949. Class 46.

515,194. DOUCHE POWDER. CHARLES B. HAGAMAN, doing business as Medi-Phragm Products, Arvada, Colo.
Filed Oct. 2, 1948, Serial No. 566,337. Published June 7, 1949. Class 6.

515,195. ALUMINUM HYDROXIDE ADSORBED BIOLOGICAL PRODUCTS FOR ACTIVE IMMUNIZATION AGAINST DIPHTHERIA AND WHOOPING COUGH. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,331. Published June 7, 1949. Class 6.

515,196. CALCIUM PENICILLIN TABLETS. CUTTER LABORATORIES, Berkeley, Calif.
Filed Aug. 24, 1948, Serial No. 567,334. Published June 7, 1949. Class 6.

515,197. ANTITUSSIVE PREPARATION PREFERABLY DISPENSED IN LIQUID FORM. A. H. ROBINS COMPANY, INC., Richmond, Va.
Filed Jan. 18, 1949, Serial No. 572,379. Published June 7, 1949. Class 6.

Service Marks

515,198. LAUNDRY SERVICE. METROPOLITAN LAUNDRY CO., INC., Seattle, Wash.
Filed July 5, 1947, Serial No. 527,031. Published Feb. 22, 1949. Class 55.

515,199. THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, MORTGAGE BROKERAGE, IN THE APPRAISAL OF REAL ESTATE, MANAGEMENT OF REAL ESTATE, IN THE BUILDING OF STRUCTURES ON REAL ESTATE, ETC. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill.
Filed July 17, 1947. COLLECTIVE MARK (SERVICES). Serial No. 540,012. Published Sept. 14, 1948. Class 55.

515,200. THE BROKERAGE OF REAL ESTATE, INDUSTRIAL BROKERAGE, FARM BROKERAGE, MORTGAGE BROKERAGE, IN THE APPRAISAL OF REAL ESTATE, MANAGEMENT OF REAL ESTATE, ETC. NATIONAL ASSOCIATION OF REAL ESTATE BOARDS, Chicago, Ill.
Filed July 17, 1947. COLLECTIVE MARK (SERVICES). Serial No. 540,015. Published Sept. 14, 1948. Class 55.

515,201. FINISHING TEXTILE FABRICS IN THE PIECE, ETC. MOUNT HOPE FINISHING COMPANY, Dighton, Mass.
Filed Nov. 26, 1947, Serial No. 542,477. Published June 7, 1949. Class 55.

515,202. INSURANCE BROKERAGE AND AGENCY SERVICES—NAMELY, FIRE, RENTS, ETC. FAIRFIELD & ELLIS, Boston, Mass.
Filed May 1, 1948, Serial No. 556,001. Published June 7, 1949. Class 55.

515,203. FINANCING TIME SALE CONTRACTS AND WHOLESALE PURCHASES. GENERAL ELECTRIC CREDIT CORPORATION, New York, N. Y.
Filed July 9, 1948, Serial No. 560,997. Published June 7, 1949. Class 55.

Certification Marks

515,204. SANITARY AND JANITOR SUPPLIES—NAMELY, CLEANING COMPOUNDS AND CLEANING CHEMICALS; SOAPS; SOAP POWDERS; LIQUID SOAPS. NATIONAL SANITARY SUPPLY ASSOCIATION, Chicago, Ill.
Filed Aug. 2, 1947, Serial No. 530,329. Published May 31, 1949. Class 4.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

515,205. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE MAGNA-VUE CO., New York, N. Y. Original filed, act of 1905, Apr. 18, 1946; amended to application under act of 1946, Supplemental Register, May 1, 1948, Serial No. 500,480.

MAGNA—VUE

FOR STILL PICTURE PROJECTORS.
Claims use since Aug. 29, 1945.

515,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON M. SHOR, West Hempstead, N. Y. Original filed, act of 1905, July 2, 1946; amended to application under act of 1946, Supplemental Register, Apr. 5, 1948, Serial No. 505,017.

Shor's

FOR ICE CREAM AND SANDWICHES.
Claims use since June 1945.

515,207. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CROMWELL MANUFACTURING CORPORATION, Brooklyn, N. Y. Original filed, act of 1905, Oct. 7, 1946; amended to application under act of 1946, Principal Register, Oct. 15, 1948; amended to Supplemental Register, Apr. 1, 1949, Serial No. 510,377.

Lord Cromwell

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, WATCH BRACELETS, EXPANDING BRACELETS AND BRACELETS OF ALL KINDS AND TYPES.
Claims use since Jan. 2, 1946.

515,208. (CLASS 37. PAPER AND STATIONERY.) TRAVER CORPORATION, Chicago, Ill. Original filed, act of 1905, Jan. 22, 1947; amended to application under act of 1946, Supplemental Register, Dec. 26, 1947, Serial No. 516,156.

PRIME-PAC

FOR SHEETS OF PLASTIC FILM FOR WRAPPING AND PACKAGING FOOD AND GENERAL MERCHANDISE.
Claims use since Jan. 7, 1946.

515,209. (CLASS 37. PAPER AND STATIONERY.) TRAVER CORPORATION, Chicago, Ill. Original filed, act of 1905, Jan. 22, 1947; amended to application under act of 1946, Principal Register, Dec. 26, 1947; amended to Supplemental Register, July 15, 1949, Serial No. 516,158.

FOIL-TITE

FOR DECORATIVE WRAPPERS AND DECORATIVE WRAPPING PAPER COMPOSED OF METAL COATED PAPER.
Claims use since May 16, 1946.

515,210. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Original filed, act of 1905, Apr. 2, 1947; amended to application under act of 1946, Supplemental Register, Feb. 25, 1948, Serial No. 520,071.

MADEIRA

FOR SILVER AND SILVER MOUNTED FLATWARE AND SILVER AND SILVER MOUNTED HOLLOW WARE.
Claims use since Feb. 11, 1947.

515,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHIAVON & BAUER, Watsonville, Calif. Original filed, act of 1905, May 3, 1947; amended to application under act of 1946, Supplemental Register, May 10, 1948, Serial No. 521,828.

GOLDEN AMBER

FOR APPLE JUICE PACKED IN GLASS.
Claims use since Apr. 19, 1947.

515,212. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FOSTER GRANT CO., INC., Leominster, Mass. Original filed, act of 1946, Principal Register, July 25, 1947; amended to application, Supplemental Register, May 10, 1949, Serial No. 529,451.

"teen-age"

FOR SUNGLASSES.
Claims use since May 24, 1947.

515,213. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE LUFKIN RULE COMPANY, Saginaw, Mich. Original filed, act of 1946, Principal Register, Aug. 6, 1947; amended to application, Supplemental Register, Nov. 6, 1948, Serial No. 530,653.

MICHIGAN

FOR TAPE MEASURES.
Claims use since 1935.

515,214. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE LUFKIN RULE COMPANY, Saginaw, Mich. Original filed, act of 1946, Principal Register, Aug. 6, 1947; amended to application, Supplemental Register, Nov. 6, 1948, Serial No. 530,654.

RUGGED

FOR TAPE MEASURES.
Claims use since 1939.

515,215. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMERICAN FIXTURE AND MANUFACTURING CO., St. Louis, Mo. Original filed, act of 1946, Principal Register, Aug. 9, 1947; amended to application, Supplemental Register, Feb. 11, 1949, Serial No. 530,902.

SEEN IN THE BEST CIRCLES Everywhere—

FOR MANNEQUINS AND DISPLAY FORMS.
Claims use since 1918.

515,216. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. "TEX" HELM CAMERA WORKS, Carlsbad, N. Mex. Original filed, act of 1946, Principal Register, Aug. 25, 1947; amended to application, Supplemental Register, Oct. 28, 1948, Serial No. 532,289.

E-Z-E ASSEMBLY
The Famous Kit Cameras
CAM-KITS

No claim is made to the words "The Famous Kit Cameras," the word "Kits" or the word "Assembly" apart from the mark as shown.
FOR KIT CONTAINING THE NECESSARY PARTS FOR THE ASSEMBLING OF A CAMERA.
Claims use since June 27, 1947.

515,217. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MITCHELL OPTICAL CO., Kirkwood, Mo. Original filed, act of 1946, Principal Register, Oct. 8, 1947; amended to application, Supplemental Register, May 2, 1949, Serial No. 537,215.

Nite-Lite

FOR EYEGLASSES.
Claims use since Sept. 12, 1947.

515,218. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) EL BEE LABORATORIES, INC., Springfield, Ill. Original filed, act of 1946, Principal Register, Oct. 22, 1947; amended to application, Supplemental Register, Mar. 11, 1949, Serial No. 538,621.

Luminous Frost

FOR SMALL PIECES OF LUMINOUS COATED SPUN GLASS USED AS A CHRISTMAS TREE DECORATION.
Claims use since Nov. 7, 1946.

515,219. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) JET-HEET, INC., Englewood, N. J. Original filed, act of 1946, Principal Register, Oct. 30, 1947; amended to application, Supplemental Register, Oct. 27, 1948, Serial No. 539,525.



The drawing is lined for the colors red and silver.
FOR OIL OR GAS-BURNING HEATING APPARATUS OF THE WARM AIR TYPE.
Claims use since December 1946.

515,220. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HERSEY MANUFACTURING COMPANY, Boston, Mass. Original filed, act of 1946, Principal Register, Dec. 10, 1947; amended to application, Supplemental Register, May 10, 1949, Serial No. 543,925.

HERSEY

Applicant claims ownership of Registrations Nos. 54,749 and 65,724.
FOR FLUID METERS.
Claims use since Nov. 1, 1947.

515,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT EHLERS, INC., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Dec. 31, 1947; amended to application, Supplemental Register, June 25, 1949, Serial No. 545,831.

OUR OWN

Applicant claims ownership of Registration No. 229,583.
FOR COFFEE.
Claims use since June 1, 1911.

515,222. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISSION FRUIT & VEGETABLE CO., Mission, Tex. Original filed, act of 1946, Principal Register, Jan. 10, 1948; amended to application, Supplemental Register, June 29, 1949, Serial No. 546,719.

TEX-RED

Applicant claims ownership of Registration No. 355,153.
FOR FRESH GRAPEFRUIT.
Claims use since Nov. 20, 1947.

515,223. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) GLOV-TREE CORPORATION, Glendale, Calif. Original filed, act of 1946, Principal Register, Jan. 19, 1948; amended to application, Supplemental Register, Apr. 23, 1949, Serial No. 547,442.

Glov-Tree

FOR GLOVE DRYERS OF THE RACK TYPE COMPRISING HOLLOW GLOVE FORMS.
Claims use since Dec. 11, 1947.

515,224. (CLASS 38. PRINTS AND PUBLICATIONS.) ALONSO E. UDELL, doing business as The Lakeview News, Battle Creek, Mich. Original filed, act of 1946, Principal Register, Jan. 20, 1948; amended to application, Supplemental Register, July 5, 1949, Serial No. 547,582.

THE LAKEVIEW NEWS

FOR NEWSPAPER.
Claims use since July 21, 1947.

515,225. (CLASS 38. PRINTS AND PUBLICATIONS.) R. R. BOWKER COMPANY, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 30, 1948; amended to application, Supplemental Register, Jan. 5, 1949, Serial No. 548,327.

Antiquarian Bookman

FOR WEEKLY MAGAZINE.
Claims use since Jan. 3, 1948.

515,226. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SUSAN ETHEL TURNLEY, doing business as D. H. Rhodes & Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 14, 1948; amended to application, Supplemental Register, Feb. 8, 1949. Serial No. 549,767.

Rhodes

FOR DRY, PASTE, AND READY MIXED PAINTS, VARNISHES; AND OILS USED IN MIXING PAINTS—NAMELY, LINSEED OIL; PAINT ENAMEL, AND COLORS IN OIL.
Claims use since Dec. 1, 1923.

515,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DARTMOUTH FILLET COMPANY, New Bedford, Mass. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, June 27, 1949, Serial No. 551,953.

NANTUCKET SHOALS



FOR FROZEN FISH FILLETS.
Claims use since Apr. 14, 1943.

515,228. (CLASS 37. PAPER AND STATIONERY.) MARATHON CORPORATION, Rothschild, Wis. Original filed, act of 1946, Principal Register, Mar. 22, 1948; amended to application, Supplemental Register, June 21, 1948, Serial No. 552,679.



Applicant claims ownership of Registration No. 258,776.
FOR WAXED PAPER.
Claims use since Nov. 1, 1927.

515,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS SEGAL, doing business as L. Segal & Company, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Apr. 15, 1948; amended to application, Supplemental Register, July 11, 1949, Serial No. 554,725.



Applicant claims ownership of Registration No. 438,979.
FOR CHOCOLATE COVERED NUT CANDY.
Claims use since Jan. 1, 1948.

515,230. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAM GREEN, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 22, 1948; amended to application, Supplemental Register, Apr. 30, 1949, Serial No. 555,262.

S. Green

FOR HAIR OINTMENTS.
Claims use since Feb. 25, 1948.

515,231. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID R. BREWER, Pasadena, Calif. Original filed, act of 1946, Principal Register, Apr. 28, 1948; amended to application, Supplemental Register, July 5, 1949, Serial No. 555,728.

"LOST YOUR WAY"

FOR MAPS.
Claims use since Feb. 24, 1948.

515,232. (CLASS 27. PAPER AND STATIONERY.) EVERSHARP, INC., Chicago, Ill. Original filed, act of 1946, Principal Register, May 5, 1948; amended to application, Supplemental Register, June 13, 1949, Serial No. 556,253.

WAHL BALL

Applicant claims ownership of Registrations Nos. 156,823 and 165,419.
FOR BALL POINT PENS.
Claims use since Apr. 22, 1948.

515,233. (CLASS 33. GLASSWARE.) OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Jan. 19, 1948 Serial No. 556,722.

Libbey Safedge

Applicant claims ownership of Registrations Nos. 54,172, 56,500, 242,976, 319,399, 319,400, 360,944, and 412,400.
FOR DRINKING GLASSES, BOWLS, GOBLETS, SHERBET GLASSES, WINE GLASSES, TUMBLERS HAVING BEADED EDGES.
Claims use since Sept. 1, 1933.

515,234. (CLASS 38. PRINTS AND PUBLICATIONS.) DENTAL SURVEY PUBLICATIONS, Minneapolis, Minn. Original filed, act of 1946, Principal Register, June 15, 1948; amended to application, Supplemental Register, July 7, 1949, Serial No. 559,217.

Dental Industry News

FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since June 10, 1948.

515,235. (CLASS 17. TOBACCO PRODUCTS.) M. TRELLES & COMPANY, New Orleans, La. Filed Aug. 4, 1948, Serial No. 562,811.

EL TRELLES

FOR CIGARS, CHEROOTS, CIGARETTES AND LITTLE CIGARS.
Claims use since Apr. 1, 1914.

515,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUTLEDGE POTATO CHIP COMPANY, Fort Worth, Tex. Filed Apr. 27, 1949. Serial No. 578,911.

Rutledge's

Applicant claims ownership of Registration No. 502,208.
FOR POTATO CHIPS AND CORN CHIPS.
Claims use since Nov. 11, 1919.

TRADE-MARK REGISTRATIONS RENEWED

33,236. THOMAS A. EDISON ("EDISON" FORMED IN CHARACTERISTIC AUTOGRAPHIC SCRIPT OF THOMAS A. EDISON). Registered July 18, 1899. National Phonograph Company, Orange, N. J. Re-renewed July 18, 1949, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. PHONOGRAPHS, PARTS OF PHONOGRAPHS, PHONOGRAPH BLANKS, AND OTHER PHONOGRAPHIC SUPPLIES. Class 36.

72,945. LA GRISETTE. Registered Mar. 2, 1909. Strohmeyer & Arpe Company, New York, N. Y., a corporation of New York. Re-renewed Mar. 2, 1949. OLIVE OIL, MACARONI, ETC. Class 46.

73,252. MASSASOIT. Registered Apr. 6, 1909. Charles E. Brown & Co. Re-renewed Apr. 6, 1949, to Alfred M. Townsend, Springfield, Mass. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS AND BLENDED COFFEE, CANNED CLAMS AND EVAPORATED FRUITS. Class 46.

73,325. "DIXIE PORTLAND CEMENT CO." AND DRAWING. Registered Apr. 13, 1909. Dixie Portland Cement Company, South Pittsburg, Tenn. Re-renewed Apr. 13, 1949, to Pennsylvania-Dixie Cement Corporation, Nazareth, Pa., a corporation of Delaware. PORTLAND CEMENT. Class 12.

73,948. SNOW BOY. Registered June 1, 1909. Lautz Bros. & Co., Buffalo, N. Y. Re-renewed June 1, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. SOAP AND WASHING POWDER. Class 4.

73,949. "SNOW BOY" AND DESIGN. Registered June 1, 1909. Lautz Bros. & Co., Buffalo, N. Y. Re-renewed June 1, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. SOAP AND WASHING POWDER. Class 4.

74,476. THOMAS A. EDISON (FACSIMILE OF THOMAS A. EDISON'S WRITTEN SIGNATURE). Registered July 13, 1909. National Phonograph Company. Re-renewed July 13, 1949, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. PHONOGRAPHS, PHONOGRAPH PARTS AND PHONOGRAPH RECORDS. Class 36.

75,035. REPRESENTATION OF KEYSTONE, 2 COLTS AND SCROLL ETC. Registered Aug. 31, 1909. Bristol Patent Leather Company, Bristol and Philadelphia, Pa. Re-renewed Aug. 31, 1949, to Allied Kid Company, Boston, Mass., a corporation of Massachusetts. PATENT OR ENAMELED LEATHER. Class 1.

75,036. REPRESENTATION OF KEYSTONE, 2 KIDS, SCROLL ETC. Registered Aug. 31, 1909. Bristol Patent Leather Company, Bristol and Philadelphia, Pa. Re-renewed Aug. 31, 1949, to Allied Kid Company, Boston, Mass., a corporation of Massachusetts. PATENT OR ENAMELED LEATHER. Class 1.

75,360. REPRESENTATION OF BELLS ENCLOSED IN FANCIFUL-SHAPED FIGURES. Registered Sept. 28, 1909. Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany. Re-renewed Sept. 28, 1949, to Dollfus-Mieg & Cie. Société Anonyme, Mulhouse (Haut-Rhin), France, a corporation of France. YARNS AND THREADS MADE OF COTTON, SILK, LINEN, WOOL, JUTE, AND RAMIE. Class 43.

75,361. "DMC" ENCLOSED IN DIAMOND-SHAPED FIGURES COMPOSING A RECTANGULAR DESIGN. Registered Sept. 28, 1909. Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany. Re-renewed Sept. 28, 1949, to Dollfus-Mieg & Cie. Société Anonyme, Mulhouse (Haut-Rhin), France, a corporation of France. YARNS AND THREADS MADE OF COTTON, SILK, LINEN, WOOL, JUTE, AND RAMIE. Class 43.

75,839. THE "DAVEN-O". Registered Nov. 23, 1909. The D. T. Owen Co., East Cleveland, Ohio. Re-renewed Nov. 23, 1949, to Kroehler Manufacturing Company, Naperville, Ill., a corporation of Illinois. COUCHES AND BEDS. Class 32.

75,881. BO-CAR-AL. Registered Nov. 23, 1909. Sharp & Dohme, Baltimore, Md. Re-renewed Nov. 23, 1949, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. AN ANTISEPTIC POWDER. Class 6.

75,906. EGGLOS. Registered Nov. 23, 1909. Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York. Re-renewed Nov. 23, 1949. VARNISHES. Class 16.

185,086. MAJA. Registered June 10, 1924. Myrurgia, S. A., Barcelona, Spain, a corporation of Spain. Renewed June 10, 1944. TOILET SOAPS. Class 4.

225,994. ALPINE. Registered Mar. 29, 1927. John L. Whiting-J. J. Adams Company. Renewed Mar. 29, 1947, to Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING. Class 29.

251,485. "EMERALD-TOE". Registered Jan. 8, 1929. Berger Hosiery Company, Inc. Renewed Jan. 8, 1949, to Berger Hosiery Co. Inc., Philadelphia, Pa., a corporation of Delaware. HOSIERY. Class 39.

252,660. DRYOLENE. Registered Feb. 12, 1929. Anderson-Prichard Oil Corporation. Renewed Feb. 12, 1949, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla., a corporation of Delaware. NAPTHA REFINED FOR INDUSTRIAL USE. Class 15.

252,662. "RUMIN" AND DRAWING LINED FOR RED. Registered Feb. 12, 1929. R Flint Corporation, New York, N. Y. Renewed Feb. 12, 1949, to Rock Flint Company, Inwood, Far Rockaway, N. Y., a firm. FLINT FOR POCKET CIGAR LIGHTERS. Class 8.

252,663. "RUMIN" AND DRAWING. Registered Feb. 12, 1929. R Flint Corporation, New York, N. Y. Renewed Feb. 12, 1949, to Rock Flint Company, Inwood, Far Rockaway, N. Y., a firm. FLINT FOR POCKET CIGAR LIGHTERS. Class 8.

254,070. DIP-SOL. Registered Mar. 12, 1929. Anderson-Prichard Oil Corporation. Renewed Mar. 12, 1949, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla., a corporation of Delaware. RUBBER SOLVENT. Class 6.

254,071. RUB-SOL. Registered Mar. 12, 1929. Anderson-Prichard Oil Corporation. Renewed Mar. 12, 1949, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla., a corporation of Delaware. RUBBER SOLVENT. Class 6.

255,220. REVILLON FRÈRES. Registered Apr. 16, 1929. Revillon Frères. Renewed Apr. 16, 1949, to Revillon, Inc., New York, N. Y., a corporation of Delaware. CLOTH AND FUR SCARFS, CLOTH AND FUR COATS, CLOTH AND FUR JACKETS, ETC. Class 39.

256,640. TRUPAR. Registered May 21, 1929. Trupar Manufacturing Co. Renewed May 21, 1949, to Trupar, Incorporated, Dayton, Ohio, a corporation of Ohio. MECHANICAL WATER SOFTENERS, WATER SYSTEMS EMPLOYING POWER PUMPS AND WATER PUMPS. Class 23.

256,663. PHILLIPS 66. Registered May 21, 1929. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed May 21, 1949. GASOLINES. Class 15.

256,908. "SHIELD" AND DESIGN. Registered May 28, 1929. Melvin Grape Growers Association, Melvin, Calif. Renewed May 28, 1949, to L. G. Haight, Fresno, Calif. FRESH FRUITS—NAMELY, GRAPES, PLUMS, PEACHES, AND POMEGRANATES. Class 46.

256,928. "BEAR'S JACK FROST" AND REPRESENTATION OF BEAR HEAD WITHIN CIRCULAR OUTLINE. Registered May 28, 1929. Bear Manufacturing Company, Terre Haute, Ind., a corporation of Indiana. Renewed May 28, 1949. ANTISEPTIC OINTMENT. Class 6.

257,156. WEST. Registered May 28, 1929. West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Renewed May 28, 1949. DISINFECTANTS, DEODORANTS, ANTISEPTICS, INSECTICIDES, PURIFIERS. Class 6.

257,159. EZEUP. Registered May 28, 1929. George H. Porter, doing business as The Ezeup Chemical Company. Renewed May 28, 1949, to The Ezeup Chemical Company, Fort Worth, Tex., a partnership. MEDICAL PREPARATION USED IN THE TREATMENT OF WOUNDS, SURFACE INFLAMMATION, ETC. Class 6.

257,260. TRUFLEX. Registered June 4, 1929. Probak Corporation, Jersey City, N. J., and New York, N. Y. Renewed June 4, 1949, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. RAZOR BLADES. Class 23.

257,311. "HYMAN'S VOGUE" ETC. AND DESIGN. Registered June 4, 1929. The S. H. Hyman Company, Fremont, Ohio, a corporation of Ohio. Renewed June 4, 1949. REMOVABLE TEXTILE SEAT COVERS. Class 42.

257,566. CORAL. Registered June 11, 1929. Swift and Company. Renewed June 11, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. HAM AND BACON. Class 46.

257,655. STERNS. Registered June 18, 1929. Sterns, Limited, London, England, a company organized under the laws of Great Britain and Northern Ireland. Renewed June 18, 1949. LUBRICATING OILS AND GREASES. Class 15.

257,838. TATOO. Registered June 18, 1929. James L. Younghusband. Renewed June 18, 1949, to Tattoo, Inc., Chicago, Ill., a corporation of Delaware. LIP STICKS AND LIP ROUGE. Class 6.

257,845. UTILCO. Registered June 18, 1929. Union Tool Chest Company Inc., Rochester, N. Y. Renewed June 18, 1949, to Union Steel Chest Corporation, Le Roy, N. Y., a corporation of New York. TOOL CHESTS. Class 2.

258,216. DESIGN OF PLAID. Registered July 2, 1929. Robert C. Graham, doing business as Graham Farms, Detroit, Mich., and Washington, Indiana. Renewed July 2, 1949, to Robert C. Graham, doing business as Graham Farms, Washington, Ind. CHEESE AND BUTTER. Class 46.

258,380. OVAL DESIGN. Registered July 9, 1929. Armour and Company, Chicago, Ill., a corporation of Illinois. Renewed July 9, 1949. CARCASS BEEF, CARCASS SHEEP, BEEF AND PORK CUTS, BEEF, SHEEP, AND PORK LIVERS, ETC. Class 46.

258,617. AURORA. Registered July 9, 1929. Jennie M. Blinn, doing business as H. W. Blinn, Bayonne, N. J. Renewed July 9, 1949, to Jennie M. Blinn, doing business as H. W. Blinn, New York, N. Y. NEGATIVE COTTON IN LIQUID AND SOLID FORM TO BE USED BY PHOTOENGRAVERS IN PROCESS WORK. Class 6.

258,762. PENIMAID. Registered July 16, 1929. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed July 16, 1949, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. DRY-CLEANING FLUID. Class 4.

258,763. PENCO. Registered July 16, 1929. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed July 16, 1949, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. TOYS, GAMES, AND SPORTING GOODS—NAMELY, WOOD ACTION TOYS, SAND AND MARBLE TOYS, ETC. Class 22.

258,888. MILORGANITE. Registered July 16, 1929. Sewerage Commission of the City of Milwaukee, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 16, 1949. FERTILIZERS. Class 10.

258,962. JACIEL. Registered July 16, 1929. Jaciel Perfumers, Inc. Renewed July 16, 1949, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. CLEANING TISSUES. Class 37.

259,435. TEA TIME. Registered July 30, 1929. Angus Watson & Co. (America) Limited, San Francisco, Calif., a corporation of California. Renewed July 30, 1949. CANNED KIPPER SNACKS AND KIPPERED HERRING. Class 46.

259,550. ESCO MANGANESE. Registered July 30, 1929. Electric Steel Foundry, Portland, Oreg., a corporation of Oregon. Renewed July 30, 1949. CASTINGS AND FORGINGS OF FERROUS METALS (APPLICANT MAKING CARBON STEEL AND ALL THE ALLOY STEEL CASTINGS, ETC.). Class 14.

259,586. REPRESENTATION OF INDIAN HEAD. Registered Aug. 6, 1929. Indian Archery & Toy Corporation, Evansville, Ind., a corporation of Indiana. Renewed Aug. 6, 1949. ARCHERY SETS INCLUDING BOWS, ARROWS, QUIVERS, WRIST GUARDS, AND TARGETS; SURF BOARDS, AQUAPLANES, LARIATS FOR PLAY PURPOSES, AND SPINNING ROPES. Class 22.

259,945. "HUMPHREYS MAGIC CLEANER" ENCLOSED IN RECTANGULAR DESIGN. Registered Aug. 13, 1929. Humphreys Paint Co., Inc., Rochester, N. Y., a corporation of New York. Renewed Aug. 13, 1949. PREPARATION FOR CLEANING PAINTED AND VARNISHED WOODWORK, FLOORS, MARBLE, PORCELAIN, TILING, LINOLEUM, CONGOLEUM, AND OIL CLOTH. Class 4.

260,065. SUPER SHORTS. Registered Aug. 13, 1929. Wilson Brothers, Chicago, Ill., a corporation of Illinois. Renewed Aug. 13, 1949. DRAWERS, SPORT DRAWERS, AND RUNNING PANTS OF TEXTILE FABRIC AND INTENDED FOR MEN'S, WOMEN'S, AND CHILDREN'S WEAR. Class 39.

260,324. FLORIDOIL. Registered Aug. 20, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Aug. 20, 1949. INSECTICIDES, FUNGICIDES, AND GERMICIDES. Class 6.

260,592. STRANDSHEEN. Registered Aug. 27, 1929. J. & P. Coats (R. I.), Inc., Pawtucket, R. I., a corporation of Rhode Island. Renewed Aug. 27, 1949. ARTIFICIAL-SILK EMBROIDERY THREAD. Class 43.

260,782. SWIFT'S. Registered Aug. 27, 1929. Swift & Company, Chicago, Ill., a corporation of Illinois. Renewed Aug. 27, 1949. FRESH, PREPARED, DRIED, CURED, SMOKED, AND CANNED BEEF AND PORK AND FOOD PRODUCTS DERIVED THEREFROM, OLEOMARGARINE AND LARD. Class 46.

260,793. "DICKERSON & COMPANY" ETC. WITH REPRESENTATION OF TWO DEER HEADS AND LABEL DESIGN. Registered Aug. 27, 1929. Dickerson & Company, Detroit, Mich., a corporation of Michigan. Renewed Aug. 27, 1949. MEN'S HATS. Class 39.

260,912. EDISON (FORMED IN CHARACTERISTIC AUTOGRAPHIC SCRIPT OF THOMAS A. EDISON). Registered Sept. 3, 1929. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed Sept. 3, 1949. LUBRICATING OILS. Class 15.

261,531. "BREATHLETS" ETC. AND DESIGN. Registered Sept. 17, 1929. United Candy Company, Boston, Mass. Renewed Sept. 17, 1949, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey. CANDY LOZENGE USED AS A PERFUME FOR THE BREATH. Class 46.

261,815. FAIRY FORMS. Registered Sept. 24, 1929. Shoe Form Co. Inc., Auburn, N. Y., a corporation of New York. Renewed Sept. 24, 1949. HOSIERY FORMS. Class 50.

261,931. EBONOL. Registered Sept. 24, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 24, 1949. ASPHALTIC AND COALTAR PITCH PRODUCTS AND COMPOSITIONS FOR ROOFING, REPAIRING ROOFS, ETC. Class 12.

262,472. OFFICIAL. Registered Oct. 15, 1929. Empire Paper Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 15, 1949. LEDGER AND WRITING PAPER AND BOND PAPER FOR USE AS WRITING PAPER. Class 37.

262,568. "UNITED PROFIT-SHARING COUPONS" ETC. AND LABEL DESIGN. Registered Oct. 15, 1929. United Profit-Sharing Corporation, New York, N. Y., a corporation of Delaware. Renewed Oct. 15, 1949. PERIODICAL PUBLISHED ANNUALLY. Class 38.

262,608. "QUALIFIED" AND DESIGN. Registered Oct. 15, 1929. The Colorado Milling & Elevator Co., doing business as Hays City Flour Mills, Denver, Colo., and Hays, Kans. Renewed Oct. 15, 1949, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT FLOUR. Class 46.

262,615. CERESAN. Registered Oct. 15, 1929. Bayer-Semesan Company, Inc., New York, N. Y. Renewed Oct. 15, 1949, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. FUNGICIDE, SEED DISINFECTANT, GENERAL DISINFECTANT. Class 6.

262,661. GRANITEX. Registered Oct. 22, 1929. Great Lakes Varnish Works, Inc., Chicago, Ill., a corporation of Illinois. Renewed Oct. 22, 1949. PLASTIC PAINT. Class 16.

262,708. "HI-POINTE" AND DESIGN. Registered Oct. 22, 1929. Rice-Stix Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 22, 1949. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, CUT AND SEWED TEXTILE FABRIC UNDERWEAR COMPRISING UNION UNITS, ATHLETIC UNION SUITS, ETC. Class 39.

262,925. REPRESENTATION OF CHILD'S HEAD. Registered Oct. 29, 1929. Robert C. Graham, doing business as Graham Farms, Washington, Ind. Renewed Oct. 29, 1949. CHEESE AND BUTTER. Class 46.

263,042. D-L-S DUST. Registered Oct. 29, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 29, 1949. INSECTICIDES, FUNGICIDES, AND GERMICIDES. Class 6.

263,055. FENOCIDE. Registered Oct. 29, 1929. S. Pfeiffer Mfg. Co., St. Louis, Mo., a corporation of Missouri. Renewed Oct. 29, 1949. ANTISEPTIC MEDICINAL PREPARATION FOR THE TREATMENT OF CUTS, WOUNDS, AND BITES AND STINGS OF INSECTS. Class 6.

263,340. TUMBLE-DOWN. Registered Nov. 5, 1929. Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. INFANTS' AND CHILDREN'S SOCKS. Class 39.

263,417. "JANE JOYCE" AND COAST SCENE WITHIN RECTANGULAR DESIGN. Registered Nov. 5, 1929. Jacobs Candy Company, Ltd. Renewed Nov. 5, 1949, to Jacobs Candy Corporation, New Orleans, La., a corporation of Louisiana. CANDY. Class 46.

263,476. B. ALTMAN & CO. Registered Nov. 5, 1929. B. Altman & Co., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, ETC. Class 28.

263,490. ZODIACAL. Registered Nov. 5, 1929. Ruth C. P. Stevenson, Rockcliffe Park, Ontario, Canada. Renewed Nov. 5, 1949, to Les Parfums de Dana, Inc., New York, N. Y., a corporation of New York. PERFUMES, SKIN CREAMS, SKIN LOTIONS, SKIN TONICS, HAIR TONICS, HAIR WASHES, ETC. Class 6.

263,770. "MAX FACTOR'S SUM'R TAN" ETC. AND DESIGN. Registered Nov. 12, 1929. Max Factor & Co., Los Angeles, Calif., a corporation of Delaware. Renewed Nov. 12, 1949. PREPARATION FOR CREATING A SUN-TANNED COMPLEXION AND FOR PREVENTING SUNBURN AND FRECKLES. Class 6.

263,796. "SHERIDAN MONARCH" ETC. ENCLOSED IN OVAL-SHAPED OUTLINE. Registered Nov. 12, 1929. Sheridan-Wyoming Coal Company, Incorporated, Sheridan, Wyo. Renewed Nov. 12, 1949, to Sheridan-Wyoming Coal Company, Incorporated, Monarch, Wyo., a corporation of Delaware. COAL. Class 1.

263,904. MODA. Registered Nov. 12, 1929. A. C. Lawrence Leather Company, Boston, Mass. Renewed Nov. 12, 1949, to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine. LEATHER. Class 1.

263,920. "REX" ETC. AND DESIGN. Registered Nov. 12, 1929. The Patent Cereals Company, Geneva, N. Y., a corporation of New York. Renewed Nov. 12, 1949. WALL PAINTER'S SIZE AND PAINTER'S SIZING COMPOSED OF GLUE, ETC. Class 16.

263,943. WINTER-MULSION. Registered Nov. 12, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 12, 1949. INSECTICIDES, FUNGICIDES, AND GERMICIDES. Class 6.

263,944. SUMMER-MULSION. Registered Nov. 12, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 12, 1949. INSECTICIDES, FUNGICIDES, AND GERMICIDES. Class 6.

263,984. WASHINE. Registered Nov. 12, 1929. Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York. Renewed Nov. 12, 1949. CLEANING AND POLISHING LIQUID FOR USE UPON AUTOMOBILES, FURNITURE, AND ALL PAINTED, VARNISHED, AND LACQUERED SURFACES. Class 16.

264,059. VELVET. Registered Nov. 19, 1929. Chas. W. Priddy & Company, Incorporated, Norfolk, Va., a corporation of Virginia. Renewed Nov. 19, 1949. CHEMICAL AGRICULTURAL FERTILIZER. Class 10.

264,093. ERGOPHENE. Registered Nov. 19, 1929. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Nov. 19, 1949. PRODUCT DESIGNED FOR THE TREATMENT OF BOILS AND SIMILAR INFLAMMATORY CONDITIONS OF THE SKIN. Class 6.

264,137. "RHEEM" AND BACKGROUND DESIGN. Registered Nov. 19, 1929. Rheem Manufacturing Company, Emeryville, Calif. Renewed Nov. 19, 1949, to Rheem Manufacturing Company, Richmond, Calif., a corporation of California. STEEL DRUMS AND TANKS FOR SHIPPING AND STORING OILS AND GREASES. Class 2.

264,160. SUGAR LOAF. Registered Nov. 19, 1929. The Sears & Nichols Corporation, Chillicothe, Ohio. Renewed Nov. 19, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED VEGETABLES, CANNED FRUITS, CATSUP, AND CHILI SAUCE. Class 46.

264,227. GLY-O-MEL. Registered Nov. 19, 1929. S. Pfeiffer Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 19, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, HOARSENESS, HUSKINESS OF VOICE, AND MINOR BRONCHIAL IRRITATIONS. Class 6.

264,392. "LOGAN" BRAND. Registered Nov. 26, 1929. The Sears & Nichols Corporation, doing business as the Sears & Nichols Canning Co., Chillicothe, Ohio. Renewed Nov. 26, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED VEGETABLES, PORK AND BEANS WITH TOMATO SAUCE, AND BAKED BEANS WITH TOMATO SAUCE. Class 46.

264,400. JUNIOR TWINS. Registered Nov. 26, 1929. Davis Cheese Company, Plymouth, Wis. Renewed Nov. 26, 1949, to Kraft Foods Company, Chicago, Ill., a corporation of Delaware. CHEESE. Class 46.

264,431. "AC-ME" ETC. ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered Nov. 26, 1929. The Refinery Supply Company, Tulsa, Okla., a corporation of Oklahoma. Renewed Nov. 26, 1949. INSTRUMENTS FOR THE MEASUREMENT OF THE DENSITY OF VARIOUS GASES, ETC. Class 26.

264,567. PLASTICS. Registered Nov. 26, 1929. Plastics Publications, Inc. Renewed Nov. 26, 1949, to Modern Plastics, Inc., New York, N. Y., a corporation of New York. MONTHLY PERIODICAL. Class 38.

264,591. FRANK SMYTHSON'S "WAFER." Registered Nov. 26, 1929. Frank Smythson Limited, London, England, a limited liability company registered under the laws of Great Britain. Renewed Nov. 26, 1949. DIARIES. Class 37.

264,594. "SINCLAIR" AND DESIGN LINED FOR GREEN AND RED. Registered Nov. 26, 1929. Sinclair Refining Company, New York, N. Y., a corporation of Maine. Renewed Nov. 26, 1949. LIQUID SOAP. Class 4.

264,605. "CREMO" AND DESIGN. Registered Nov. 26, 1929. The Colorado Milling & Elevator Co., doing business as The Burley Flour Mills, Denver, Colo., and Burley, Idaho. Renewed Nov. 26, 1949, to The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. WHEAT AND SELF-RISING FLOUR. Class 46.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

110,754. INDESTRUCTIBLE. Registered June 13, 1916. Hiram Royal Mallinson, assignor to H. R. Mallinson & Co. VOILES IN THE PIECE. Class 42. New certificate, under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

115,779. KHAKI-KOOL. Registered Mar. 6, 1917. H. R. Mallinson & Co. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

115,856. CARNIVAL. Registered Mar. 13, 1917. H. R. Mallinson & Co. SILK PIECE GOODS. Class 42. New certificate, under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

129,782. DREAM. Registered Mar. 9, 1920. H. R. Mallinson & Co., Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

145,144. MELODEE. Registered July 26, 1921. H. R. Mallinson & Co., Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

148,153. CHAR-MING. Registered Nov. 8, 1921. H. R. Mallinson & Co. Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

152,455. MOLLY O. Registered Feb. 28, 1922. H. R. Mallinson & Co. Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

155,003. DULL-ORA. Registered May 16, 1922. H. R. Mallinson & Co. Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

162,820. "BUTTERFLY" AND DESIGN. Registered Dec. 26, 1922. H. R. Mallinson & Co. Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

247,067. VAGABOND. Registered Sept. 18, 1928. H. R. Mallinson & Co. Inc. SILK, SILK AND RAYON, ETC. Class 42 New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

280,320. WILLOW. Registered Feb. 10, 1931. H. R. Mallinson & Company, Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

304,713. DUOSUEDE. Registered July 18, 1933. Alfred S. Eiseman. PIECE GOODS OF COTTON, SILK, ETC. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

314,716 WILLOW DEW. Registered July 3, 1934. H. R. Mallinson & Co., Inc. SILK, RAYON, COTTON, ETC. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

343,653. AIRSPUN. Registered Mar. 2, 1937. H. R. Mallinson & Company, Inc., assignor to Mallinson Fabrics Corporation. FABRICS IN THE PIECE MADE OF RAYON. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

347,695. MALLINSON. Registered June 29, 1937. Mallinson Fabrics Corporation. WOVEN, KNITTED, NETTED AND PILE FABRICS IN THE PIECE MADE OF SILK, WOOL, ETC. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

355,118. KAMEO. Registered Mar. 8, 1938. Mallinson Fabrics Corporation. TEXTILE FABRICS IN THE PIECE MADE OF SILK AND SYNTHETIC YARNS. Class 42. New certificate under section 7(c) issued Sept. 13, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 95,042. Registered Feb. 3, 1914. ANCHOR COAL COMPANY, Charleston, W. Va., a corporation of West Virginia. Republished by registrant, present address Cleveland, Ohio.



The representation of the block of coal is disclaimed apart from the mark as shown.
FOR BLOCK COAL.
Claims use since Nov. 27, 1910.

Reg. No. 100,742. Registered Oct. 27, 1914. ANCHOR COAL COMPANY, Charleston, W. Va., a corporation of West Virginia. Republished by registrant, present address Cleveland, Ohio.

ANCHOR
COAL

The word "Coal" is disclaimed apart from the mark as shown.
FOR BLOCK COAL.
Claims use since Jan. 1, 1912.

Reg. No. 283,928. Registered Oct. 11, 1927. GENERAL PUBLIC UTILITIES COMPANY, Miami, Fla. Republished by Royal Palm Ice Co., Miami, Fla., a corporation of Florida.



The words "Ice" and "Quality" are disclaimed apart from the mark as shown.
FOR ICE.
Claims use since August 1926.

Reg. No. 355,614. Registered Mar. 22, 1938. HARRY T. CAMPBELL SONS' CO., Towson, Md. Republished by Harry T. Campbell Sons' Corporation, Towson, Md., a corporation of Maryland.



FOR MINED CALCIUM STONE, A CRUDE MINERAL.
Claims use since Oct. 16, 1937.

CLASS 2

RECEPTACLES

Reg. No. 442,686. Registered May 3, 1949. UNITED STATES ENVELOPE COMPANY, Springfield, Mass., a corporation of Maine. Republished by registrant.

COLUMBIAN

FOR MERCHANDISE ENVELOPES EQUIPPED WITH METAL FASTENERS.
Claims use since the year 1893.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 202,725. Registered Sept. 1, 1925. CHAS. W. YOUNG & Co., Philadelphia, Pa. Republished by Grace B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa.

PORIT

FOR LIQUID, SEMILIQUID, POWDERED, AND FLAKED SOAP FOR COMMERCIAL USE, INCLUDING USE UPON AUTOMOBILES, HOUSEHOLD, AND TOILET USE.
Claims use since Mar. 26, 1925.

Reg. No. 222,664. Registered Jan. 4, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

KEYSTONE

FOR CLEANING PREPARATION, NOT A SOAP, RECOMMENDED FOR REMOVING SMOKE, SOOT, SOIL, GREASE, OIL, DIRT, GERMS, FLY SPECKS, FINGER, PENCIL, AND INK MARKS, STAINS, ETC., FROM ALL PAINTED, VARNISHED, AND ENAMELED SURFACES, HARDWOOD FLOORS, DOORS, WALLS, CEILINGS, WINDOW SILLS, WAINSCOTING, FURNITURE, BATH TUBS, LAVATORIES, PLUMBING, TILE, MARBLE, OILCLOTH, LINOLEUM, SILVERWARE, NICKEL, BRASS, COPPER, TIN, ALUMINUM, ALL KITCHEN WARE, REFRIGERATORS, AUTOMOBILES, RAILWAY COACHES, STEAMSHIPS, SHOW CASES, WINDOWS, MIRRORS, ETC.
Claims use since about 1900.

Reg. No. 433,460. Registered Oct. 14, 1947. CALGON, INCORPORATED, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

transglo

FOR DETERGENT CHEMICAL COMPOUND PRINCIPALLY USED IN WASHING VARIOUS TYPES OF TRANSPORTATION EQUIPMENT SUCH AS TRUCKS, BUSSES, AND RAILWAY CARS.
Claims use since Aug. 2, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 75,258. Registered Sept. 14, 1909. RESINOL CHEMICAL CO., Baltimore, Md., a firm. Republished by registrant.

RESINOL

FOR OINTMENT.
Claims use since Mar. 1, 1895.

Reg. No. 336,231. Registered June 30, 1936. J. ELLIOTT WILBY, doing business as Blurex Mfg. Co., Philadelphia, Pa., assignor to The Stevens-Wiley Manufacturing Company, Inc. Republished by The Stevens-Wiley Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

BLUREX

FOR STARCHING COMPOUNDS.
Claims use since Dec. 20, 1932.

Reg. No. 442,179. Registered Mar. 8, 1949. BOYLE AND COMPANY, Los Angeles, Calif. Republished by Boyle and Company, Los Angeles, Calif., a corporation of California.

BIO-TRON

FOR PREPARATION CONSISTING OF LIVER, IRON, AND VITAMIN-B COMPLEX, IN CAPSULE FORM, USED IN THE TREATMENT OF HYPOCHROMIC ANEMIA.
Claims use since Aug. 3, 1940.

Reg. No. 442,413. Registered Apr. 12, 1949. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

FARM MASTER

FOR PHARMACEUTICAL AGENTS USED IN ANIMAL AND PLANT HUSBANDRY, AND AGAINST HOUSEHOLD AND FARM PARASITES, INCLUDING, LIVESTOCK INSECTICIDE (DRY), PHENOTHIAZINE (DRENCH), NICOTINE SULPHATE INSECTICIDE, POULTRY DIETARY MINERAL, LIVESTOCK DIETARY MINERAL, COD LIVER OIL, PINE OIL DISINFECTANT, LIGHT MINERAL OIL (MEDICINAL), POULTRY WORM TABLETS, MILD TINCTURE OF IODINE, ANIMAL DIETARY MINERAL BLOCKS, PETROLATUM, SODIUM FLUORIDE (LICE KILLER), TOBACCO POWDER FOR USE AGAINST ANIMAL AND PLANT PARASITES, MANGANESE SULPHATE, WOUND DRESSING, WHEAT GERM OIL, WORM BOMBS FOR INTERNAL VETERINARY ADMINISTRATION POULTRY INHALENT, VITAMIN A AND D FEEDING OIL, VITAMIN "D" B-G MIX, DEHORNING STICKS (SODIUM HYDROXIDE), FLY SPRAY, SULFANILAMIDE UREA OINTMENT, EGG PRESERVATIVE (WATER GLASS), SCREW WORM KILLER, DISINFECTANT, UDDER OINTMENT, CATTLE GRUB DUST FOR EXTERNAL TREATMENT AGAINST LIVESTOCK PARASITES SUCH AS WEATHER FLIES, GRUBS AND LICE, DIP AND DISINFECTANT, HOUSEHOLD INSECT SPRAY, PINE ODOR DISINFECTANT, ROOST PAINT (INSECTICIDE), DEHORNING PASTE, PINK EYE POWDER, STIPTIC POWDER, SULFANILAMIDE-IODINE DUSTING POWDER, SARCOPTIC AND PSOROPTIC MANGE OIL.
Claims use since Jan. 15, 1941.

CLASS 10

FERTILIZERS

Reg. No. 70,947. Registered Oct. 20, 1908. WILSON & TOOMER FERTILIZER CO., Jacksonville, Fla., a corporation of Florida. Republished by registrant.

Ideal

FOR PLANT-FERTILIZING MATERIALS.
Claims use since about February 1896.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 201,824. Registered Aug. 11, 1925. THE MEDAL BRICK & TILE CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant, present address, Wooster, Ohio.

AGECROST

FOR BRICK.
Claims use since July 1924.

Reg. No. 261,914. Registered Sept. 24, 1929. CHARLES E. PUTNAM, doing business as Colonial Cedar Company, Seattle, Wash. Republished by registrant.

RUS-TEX

FOR LUMBER, SHINGLES, DOORS, MILLWORK, INCLUDING TRIM AND MOULDINGS.
Claims use since Sept. 15, 1928.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 171,801. Registered Aug. 14, 1923. ATLANTIC STEEL COMPANY, Atlanta, Ga., a corporation of Delaware. Republished by registrant.

DIXISTEEL

FOR WIRE FENCES.
Claims use since Feb. 12, 1923.

Reg. No. 301,904. Registered Mar. 21, 1933. SIMPLEX VALVE AND METER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

SIMPLEX

FOR AIR-RELEASE VALVES, VACUUM VALVES, RATE OF FLOW CONTROLLERS, AUTOMATIC SHUT-OFF CONTROLLERS, FILTER WASH RATE CONTROLLERS, SPECIAL FLOW CONTROLLERS, AND CONTROL DEVICES FOR PRESSURE FILTER UNITS.
Claims use since about 1903.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 262,213. Registered Oct. 1, 1929. INLAND STEEL COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

INLAND Copper Alloy

The words "Copper Alloy" are disclaimed apart from the mark as shown.
FOR SHEET STEEL.
Claims use since November 1921.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 63,625. Registered July 2, 1907. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

KEYSTONA

FOR ENAMELS, BOTH GLOSS AND FLAT.
Claims use since 1873.

Reg. No. 72,686. Registered Feb. 9, 1909. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

KEYSTONE

FOR FLAT WALL FINISHES, ENAMELS, AND VARNISHES.
Claims use since 1873.

Reg. No. 115,626. Registered Feb. 27, 1917. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

REFLEXALITE

FOR ENAMEL PAINTS.
Claims use since about Oct. 18, 1916.

Reg. No. 118,049. Registered Aug. 14, 1917. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

DEGRAH

FOR ENAMEL PAINTS AND VARNISH.
Claims use since about Jan. 16, 1917.

Reg. No. 207,346. Registered Dec. 29, 1925. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



All of the wording on the drawing is disclaimed apart from the mark as shown except the words "Reflexalite" and "Keystone Varnish Company." The shading indicates the color green.
FOR ENAMEL PAINT.
Claims use since Oct. 18, 1916.

Reg. No. 227,481. Registered May 10, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

LIDO

FOR HOUSE PAINTS—NAMELY, READY-MIXED PAINTS.
Claims use since Nov. 1, 1926.

Reg. No. 231,184. Registered Aug. 16, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for green color. No claim is made to the use of any of the words appearing on the drawing other than "Keystona" and "Keystone Varnish Company."
FOR READY-MIXED PAINTS.
Claims use since about January 1916.

Reg. No. 234,684. Registered Nov. 1, 1927. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for green color. No claim is made to the use of any of the words appearing on the drawing other than the words "Degrah" and "Keystone Varnish Company."
FOR VARNISHES AND ENAMEL PAINTS.
Claims use since about Jan. 1, 1922.

Reg. No. 259,497. Registered July 30, 1929. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SLIKUP

FOR ENAMEL PAINTS.
Claims use since June 1, 1928.

Reg. No. 286,753. Registered Sept. 1, 1931. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

TENSITE

FOR PAINT ENAMELS AND VARNISHES.
Claims use since July 1, 1930.

Reg. No. 405,503. Registered Feb. 1, 1944. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

OLYMPIC

FOR PAINT PRODUCTS, AS FOLLOWS: PASTE PAINT, FLAT PAINT, HOUSE PAINT, FLOOR PAINT, VARNISH, ENAMEL, AND ENAMEL UNDERCOAT.
Claims use since Dec. 1, 1923.

Reg. No. 408,423. Registered Aug. 8, 1944. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

ALUMINAMEL

FOR PAINT ENAMEL.
Claims use since about July 1, 1988.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 261,894. Registered Sept. 24, 1929. FERNANDEZ, PALICIO Y COMPANIA, S. EN C., Habana, Cuba. Republished by F. Palicio y Compania, S. A. Fabrica de Tabacos, Habana, Cuba, a corporation organized under the laws of the Republic of Cuba.



FOR CIGARS.
Claims use since the year 1850.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 122,808. Registered Sept. 17, 1918. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

NALCO

FOR ELECTRIC INCANDESCENT LIGHT BULBS.
Claims use since Feb. 1, 1918.

Reg. No. 137,351. Registered Nov. 23, 1920. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Lite-O-Nite

FOR ELECTRIC LAMPS.
Claims use since June 3, 1920.

Reg. No. 196,464. Registered Mar. 17, 1925. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR ELECTRIC MOTORS AND PARTS THEREOF, SHORT CIRCUITERS, CENTRIFUGALLY-OPERATED ELECTRIC CUT-OUTS.
Claims use since June 23, 1920.

Reg. No. 268,535. Registered Mar. 18, 1930. KNAPP-MONARCH COMPANY, St. Louis, Mo., and Webster City, Iowa. Republished by Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware.

"Therm-a-Hot"

FOR ELECTRIC TOASTERS, ELECTRIC HEATING PADS FOR GENERAL USE, PORTABLE ELECTRIC ROOM HEATERS OF THE REFLECTING OR GLOWING TYPE, ELECTRIC SADIRONS, ELECTRIC GRILL STOVES, ELECTRIC CURLING IRONS, ELECTRIC WAFFLE IRONS, ELECTRIC CORN POPPERS, ELECTRIC HOT PLATES, ELECTRIC PERCOLATORS.
Claims use since about Sept. 1, 1927.

Reg. No. 269,877. Registered Apr. 22, 1930. THE PROMETHEUS ELECTRIC CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

PROMETHEUS

FOR ELECTRIC PLATE WARMERS; RADIANT ELECTRIC HEATERS—NAMELY, AIR HEATERS AND BATHROOM HEATERS OF THE SMALL PORTABLE REFLECTING TYPE; ELECTRIC HOT PLATES; ELECTRIC FOOD WARMERS; ELECTRIC HEATING PADS FOR GENERAL USE; ELECTRIC WATER HEATERS—NAMELY, IMMERSION HEATERS FOR HOUSEHOLD USE IN HEATING SMALL QUANTITIES OF LIQUID; ELECTRIC GRIDDLES; AND ELECTRIC STOVES—NAMELY, COOKING RANGES.
Claims use since January 1901.

Reg. No. 303,450. Registered May 23, 1933. UNION OIL COMPANY, Parsons, Kans., and North Kansas City, Mo. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation organized under the District of Columbia Cooperative Association Act of July 19, 1940.

CO-OP

FOR STORAGE (WET CELL) BATTERIES.
Claims use since Jan. 1, 1932.

Reg. No. 340,413. Registered Nov. 10, 1936. HERBERT A. BELL, doing business as Parkard-Bell Company, Los Angeles, Calif. Republished by Parkard-Bell Company, Los Angeles, Calif., a corporation of California.

Stationized

FOR RADIO DIALS.
Claims use since June 15, 1935.

Reg. No. 369,926. Registered Aug. 8, 1939. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR ELECTRICALLY OPERATED HOISTS AND PARTS THEREOF.
Claims use since November 1937.

Reg. No. 380,153. Registered Aug. 13, 1940. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

SPEEDMASTER

FOR ELECTRICALLY OPERATED HOISTS AND PARTS THEREOF.
Claims use since May 26, 1939.

Reg. No. 410,179. Registered Nov. 14, 1944. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

UNIBRAKE

FOR ELECTRIC MOTORS AND PARTS THEREOF.
Claims use since June 1933.

Reg. No. 410,892. Registered Dec. 19, 1944. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

CABLEMASTER

FOR ELECTRICALLY OPERATED HOISTS AND PARTS THEREOF.
Claims use since Feb. 18, 1944.

Reg. No. 430,841. Registered June 24, 1947. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR ELECTRIC MOTORS AND PARTS THEREOF AND ELECTRIC GENERATORS AND PARTS THEREOF.
Claims use since May 1, 1920.

Reg. No. 441,294. Registered Nov. 16, 1948. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR ELECTRIC GENERATORS AND PARTS THEREOF, GAS AND GASOLINE ENGINE DRIVEN GENERATOR SETS, ELECTRIC MOTORS, ELECTRIC MOTOR GENERATOR SETS, CONTROL AND INSTRUMENT PANELS, ELECTRIC SWITCHES AND VOLTAGE REGULATING UNITS.
Claims use since June 1, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 432,839. Registered Sept. 16, 1947. FRED MEDART MANUFACTURING COMPANY, St. Louis, Mo. Republished by The Medart Company, St. Louis, Mo., a corporation of Missouri.

acromax

FOR TRAMPOLINES.
Claims use since Apr. 9, 1946.

Reg. No. 442,457. Registered Apr. 12, 1949. MITCHELL & NESS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

IVY LEAGUE

FOR FOOTBALLS.
Claims use since Jan. 31, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 77,014. Registered Mar. 1, 1910. WARREN AXE AND TOOL COMPANY, Warren, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR DOGS, HOOKS, TIMBER-CARRIERS OR LUG-HOOKS, WEDGES, SWIVELS, LINKS, SPREADERS, COLD-SHUTS, SAW-HANDLES, PIKES, PICKAROONS, HOOKAROONS, PEAVIES, CANT-HOOKS, MILL-HOOKS, SWAMP-HOOKS, LOADING HOOKS, BILL-HOOKS, GRAPPLE-HOOKS, GRAB-HOOKS, TRAILERS, FOUR-PAW GRABS, CARTING-GRABS, CROTCH-GRABS, SKIDDING-TONGS, GRAB-SKIPPERS, GRAB-MAULS, LOGGING DOGS, RAFTING DOGS, CHAIN DOGS, RING-DOGS, CLASPS, SOCKETS, AND FERRULES.
Claims use since 1893.

Reg. No. 159,442. Registered Sept. 26, 1922. MILLERS FALLS COMPANY, Millers Falls, Mass., a corporation of Massachusetts. Republished by registrant, present address Greenfield, Mass.

MILLERS FALLS TOOLS

FOR ANGULAR BIT STOCKS, ANGULAR DRILLING MACHINES, POLISHING HEADS, BITS AND AUGERS, AUGER HANDLES, AUGERS (HOLLOW), BENCH DRILLS, HAND DRILLS, BREAST DRILLS, CHAIN DRILLS, PUSH DRILLS, RATCHET DRILLS, BENCH HOOKS, PULP BORERS, BORERS (SILL), BORING MACHINES, BRACES (CORNER), BRACES (DRILL), BRACES (BIT), BIT EXTENSIONS, BUTCHER SAW FRAMES, CARVING TOOLS, CHUCKS, COPING SAWS, HAND DRILL POINTS, FILE HANDLES, FRET SAW FRAMES, FRET SAW MACHINES, GLASS CUTTERS, VALVE GRINDERS, HACK SAW BLADES, HACK SAW FRAMES, HACK SAW MACHINES, HAND VISES, JACK SCREWS, JEWELER SAW FRAMES, KITCHEN SAWS, LATHES, MITER BOXES, MITER PLANERS, NAIL PULLERS, PIERCING SAWS, SCREW DRIVERS, RIM WRENCHES, TURNING SAWS, SCREW DRIVER BITS, SOLDERING SETS, SPOKE SHAVES, SPOKE TRIMMERS, TOOL HOLDERS, BENCH VISES, BAND SAWS, ASSEMBLING TOOLS, BUSHING DRIVERS, CENTER FINDERS, COTTER PIN PULLERS, NAIL SETS, CENTER PUNCHES, PIN PUNCHES, PRICK PUNCHES, DRIVE PUNCHES, WOOD SCREW PUNCHES, MACHINISTS SCRIBERS, SPRING LEAF OPENERS, TAP WRENCHES, AUTO PASSENGER JACKS, AND AUTO TRUCK JACKS, FRET SAW BLADES,, JEWELER SAW BLADES, COPING SAW BLADES.
Claims use since Feb. 4, 1921.

Reg. No. 383,432. Registered Dec. 10, 1940. THE OHIO CULTIVATOR COMPANY, Bellevue, Ohio. Republished by National Farm Machinery Co-Operative, Inc., Shelbyville, Ind., a corporation of Indiana.

BLACK HAWK

FOR SINGLE AND MULTIPLE ROW CORN AND COTTON PLANTERS.
Claims use since Sept. 5, 1925.

Reg. No. 403,724. Registered Oct. 19, 1943. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

SPEEDRANGER

FOR VARIABLE SPEED POWER TRANSMISSION UNITS.
Claims use since Aug. 4, 1939.

Reg. No. 434,106. Registered Nov. 11, 1947. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR FIXED RATIO SPEED CHANGERS AND STEPLESS VARIABLE RATIO SPEED CHANGERS.
Claims use since June 1, 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 264,913. Registered Dec. 10, 1929. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

SIMPLEX

FOR LIQUID AND GAS METERS, VENTURI TUBES, PITOT TUBES, INDICATING RATE GAUGES, RECORDING RATE GAUGES, COMBINATION RECORDING AND INDICATING RATE GAUGES, GAUGES FOR INDICATING AND RECORDING THE LOSS OF HEAD THROUGH A FILTER AND RATE OF FLOW OR BOTH, GAUGES INDICATING OR RECORDING RATE OF FLOW AND TOTALIZING THE FLOW, MANOMETERS, DEVICES FOR MEASURING CHEMICALS AND FEEDING THEM PROPORTIONATELY TO A FLOWING STREAM AND PITOT RECORDERS.
Claims use since about 1903.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 408,612. Registered Aug. 22, 1944. ARGENSIO BROTHERS, Denver, Colo., a firm. Republished by registrant.

REGINA Mark of Quality

The notation "Mark of Quality" is disclaimed apart from the mark as shown.
FOR PEARLS AND DIAMOND RINGS.
Claims use since about Sept. 1, 1943.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 288,572. Registered Nov. 3, 1931. HINDES LIMITED, Birmingham, England, a corporation of Great Britain. Republished by registrant.

TINGLOW

FOR BODY FRICTION BRUSHES.
Claims use since Feb. 26, 1931.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 420,144. Registered Mar. 26, 1946. WILSON CABINET COMPANY, Smyrna, Del. Republished by Wilson Cabinet Co., Inc., Smyrna, Del., a corporation of Delaware.

VERTI-COIL

The word "Coil" is disclaimed apart from the mark as shown.
FOR IMMERSION-TYPE MILK COOLING CABINETS FOR FARM USE.
Claims use since Sept. 25, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 369,791. Registered Aug. 1, 1939. WESTERN VENETIAN BLIND CO., North Bergen, N. J. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of New Jersey.



The words "Venetian Blinds" and the representation of a Venetian blind are disclaimed apart from the mark as shown.
The drawing is lined for red.
FOR VENETIAN BLINDS, ROLLER BLINDS, WOOD-WEB SHADES, AND BAMBOO SHADES.
Claims use since June 1, 1902.

Reg. No. 371,022. Registered Sept. 12, 1939. KOMFO PRODUCTS CORPORATION, Allentown, Pa., a corporation of Pennsylvania. Republished by registrant.

Komfo

FOR MATTRESSES, SPRINGS, STUDIO COUCHES, INNERSPRING MATTRESSES, AND SPRING CUSHIONS.
Claims use since Oct. 1, 1917.

Reg. No. 372,818. Registered Nov. 14, 1939. SWEDISH VENETIAN BLIND CORP., North Bergen, N. J. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of New Jersey.

Alpine

FOR VENETIAN BLINDS, ROLLER BLINDS, WOOD-WEB SHADES, AND BAMBOO SHADES.
Claims use since Aug. 1, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 302,256. Registered Apr. 4, 1933. UNION OIL COMPANY, Parsons, Kans., and North Kansas City, Mo. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation organized under the District of Columbia Cooperative Association Act of July 19, 1940.

CO-OP

FOR VEHICLE TIRES AND INNER TUBES MADE OF RUBBER AND RUBBER AND FABRIC.
Claims use since Jan. 1, 1932.

CLASS 37

PAPER AND STATIONERY

Reg. No. 82,193. Registered June 13, 1911. ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Republished by A. P. W. Products Company, Inc., Albany, N. Y., a corporation of New York.



FOR PACKAGES OF TOILET PAPER.
Claims use since the year 1897.

Reg. No. 220,536. Registered Nov. 9, 1926. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

ACTION BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR BOND AND LEDGER PAPER.
Claims use since June 16, 1922.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 150,368. Registered Jan. 3, 1922. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

Tomboy Taylor

FOR SERIES OF CARTOONS.
Claims use since Nov. 17, 1916.

Reg. No. 150,369. Registered Jan. 3, 1922. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

The Terrible-Tempered Mr. Bang

FOR SERIES OF CARTOONS.
Claims use since Sept. 16, 1915.

Reg. No. 150,370. Registered Jan. 3, 1922. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

Aunt Eppie Hogg

FOR SERIES OF CARTOONS.
Claims use since Jan. 26, 1918.

Reg. No. 150,821. Registered Jan. 10, 1922. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

The Toonerville Trolley

FOR SERIES OF CARTOONS.
Claims use since Feb. 11, 1916.

Reg. No. 188,651. Registered Sept. 2, 1924. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

Mickey (Himself) McGuire

FOR SERIES OF CARTOONS.
Claims use since Aug. 10, 1922.

Reg. No. 189,967. Registered Sept. 30, 1924. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

TOONERVILLE FOLKS

FOR SERIES OF CARTOONS.
Claims use since May 4, 1924.

Reg. No. 262,473. Registered Oct. 15, 1929. THE PRAIRIE FARMER PUBLISHING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MASTER FARMERS of AMERICA

FOR BOOKLETS PUBLISHED AT IRREGULAR INTERVALS OR ANNUALLY.
Claims use since on or about Jan. 15, 1925.

Reg. No. 304,868. Registered July 18, 1933. FONTAINE FOX, Manhasset, N. Y. Republished by registrant, present address Greenwich, Conn.

THE ABSENT MINDED PROFESSOR

FOR SERIES OF CARTOONS.
Claims use since Feb. 24, 1916.

CLASS 39

CLOTHING

Reg. No. 77,770. Registered May 3, 1910. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.



FOR COTTON HANDKERCHIEFS NOT IN THE PIECE.
Claims use since Feb. 8, 1907.

Reg. No. 77,771. Registered May 3, 1910. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.



PYRAMID

FOR COTTON HANDKERCHIEFS NOT IN THE PIECE.
Claims use since Feb. 2, 1909.

Reg. No. 84,886. Registered Jan. 9, 1912. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.



The word "Chic" is disclaimed apart from the mark as shown.

FOR COTTON HANDKERCHIEFS.
Claims use since Sept. 23, 1910.

Reg. No. 113,394. Registered Oct. 17, 1916. THE A. S. KREIDER COMPANY, Annville, Pa. Republished by The A. S. Kreider Shoe Co., Annville, Pa., a corporation of Pennsylvania.

POLLYANNA

FOR BOOTS AND SHOES MADE WHOLLY OR PARTLY OF LEATHER.
Claims use since January 1916.

Reg. No. 173,372. Registered Sept. 25, 1923. ARMIN H. WITTENBERG, doing business as Mission Hosiery Mills, Los Angeles, Calif. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

MISSION-KNIT

FOR HOSIERY, SWEATERS, AND KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Apr. 15, 1913.

Reg. No. 202,636. Registered Sept. 1, 1925. MCGRATH SHOE CO., INC., New York, N. Y. Republished by W. L. Kreider's Sons Mfg. Co. Inc., Palmyra, Pa., a corporation of Pennsylvania.



FOR CHILDREN'S LEATHER SHOES.
Claims use since Mar. 1, 1922.

Reg. No. 231,072. Registered Aug. 9, 1927. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

STONEZE

FOR LEATHER SHOES.
Claims use since on or about Jan. 1, 1925.

Reg. No. 231,380. Registered Aug. 16, 1927. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

STACO
STONE-ARCH

FOR LEATHER SHOES.
Claims use since on or about Jan. 1, 1922.

Reg. No. 256,298. Registered May 14, 1929. POIRETTE CORSETS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DAWN

FOR CORSETS, GIRDLES, COMBINATION GARMENTS CONSISTING OF BRASSIÈRE AND GIRDLE, BRASSIÈRES, GARTER BELTS, AND GARTER BRASSIÈRES.
Claims use since May 1928.

Reg. No. 292,583. Registered Mar. 15, 1932. CAPE COD SHIRT COMPANY, Fall River, Mass., a corporation of Massachusetts. Republished by registrant.



The word "Shirts" is disclaimed apart from the mark as shown.

FOR MEN'S NEGLIGEE, DRESS, AND WORK SHIRTS, MEN'S PAJAMAS, BOYS' NEGLIGEE, DRESS, AND WORK SHIRTS, BOYS' PAJAMAS, LADIES' PAJAMAS.
Claims use since about May 17, 1926.

Reg. No. 307,061. Registered Oct. 10, 1933. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

FLEXLIFE

FOR LEATHER SHOES.
Claims use since on or about Feb. 1, 1932.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 188,181. Registered Aug. 19, 1924. BERTRAM EHRENBERG, New York, N. Y. Republished by B. Ehrenberg Co., Inc., New York, N. Y., a corporation of New York.

EQUATOR

FOR COTTON PIECE GOODS, WOOLEN PIECE GOODS, AND COMBINATIONS OF COTTON, WOOL, MOHAIR, SILK.
Claims use since Mar. 4, 1924.

Reg. No. 333,467. Registered Mar. 24, 1936. BELLMAN BROOK BLEACHERY CO., Fairview, N. J., a corporation of New Jersey. Republished by registrant.

Bellmanized

FOR COTTON GOODS IN THE PIECE.
Claims use since Oct. 22, 1935.

Reg. No. 364,429. Registered Jan. 31, 1939. MORTON SUNDOUR FABRICS LIMITED, Carlisle, England, a corporation of Great Britain. Republished by registrant.

SUNDOUR

FOR CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR; PIECE GOODS OF SILK OR ARTIFICIAL SILK, OR IN WHICH SUCH MATERIALS PREDOMINATE; BEDSPREADS, PILLOW CASES, BOLSTER CASES, TABLE COVERS, TABLE MATS, QUILTS, VALANCES, CURTAINS, CUSHION COVERS, CHAIR COVERS, LACE CURTAINS, MUSLIN CURTAINS, NETS, WALL PANELS, CUSHIONS, SERVIETTES, BED HANGINGS, BLANKETS, RUGS, MATS, MATTING, CARPETS, AND FLOORCLOTH SUCH AS DRUGGET; FURNISHINGS AND DRAPERY, WINDOW BLINDS, WINDOW HANGINGS, AND BED FURNISHINGS.
Claims use since Oct. 17, 1906.

Reg. No. 442,593. Registered May 3, 1949. MILPRINT, INC., Milwaukee, Wis., a corporation of Delaware. Republished by registrant.

Mil-o-Film

The word "Film" is disclaimed apart from the mark as shown.

FOR PLASTIC SHEETS OR FILMS HAVING ELASTIC PROPERTIES AND SOLD IN PRINTED OR UNPRINTED FORM FOR WRAPPING, PACKAGING, COVERING, OR LIKE PROTECTIVE USES.
Claims use since Mar. 18, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 293,707. Registered May 3, 1932. LANAIR COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LANCO

FOR SANITARY NAPKINS.
Claims use since Mar. 5, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 125,615. Registered June 3, 1919. BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr and Redlands, Calif. Republished by Bryn Mawr Fruit Growers Association (1932), Bryn Mawr, Calif., a corporation of California.

MERCURY

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Apr. 1, 1911.

Reg. No. 127,726. Registered Dec. 2, 1919. H P COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

TRUMPET



FOR SPICES—NAMELY, WHITE PEPPER, BLACK PEPPER, MIXED PICKLING SPICE, NUTMEGS, CINNAMON, CLOVES, DRY MUSTARD, ALLSPICE, GINGER, RED PEPPER, AND MACE; AND FOOD-FLAVORING EXTRACTS—NAMELY, LEMON AND VANILLA, RASPBERRY, ALMOND, ORANGE, BANANA, STRAWBERRY, AND PINEAPPLE.
Claims use since Dec. 16, 1908.

Reg. No. 191,364. Registered Nov. 4, 1924. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

GOLD WING

FOR FRESH CITRUS FRUITS—NAMELY, FRESH ORANGES.
Claims use since January 1912.

Reg. No. 191,365. Registered Nov. 4, 1924. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

RED WING

FOR FRESH CITRUS FRUITS—NAMELY, FRESH ORANGES.
Claims use since January 1912.

Reg. No. 207,162. Registered Dec. 22, 1925. FOOTHILL GROVES, Yorba Linda, Calif. Republished by The Yorba Linda Citrus Association, Yorba Linda, Calif., a corporation of California.

YORBA LINDA GEM

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since January 1925.

Reg. No. 209,231. Registered Feb. 16, 1926. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

WINGS OF THE MORNING

FOR GROUND OR PULVERIZED COFFEE.
Claims use since Oct. 3, 1922.

Reg. No. 209,353. Registered Feb. 23, 1926. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

BLUE WING

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Jan. 7, 1925.

Reg. No. 213,305. Registered May 25, 1926. WALNUT FRUIT GROWERS ASSOCIATION, Walnut, Calif., a corporation of California. Republished by registrant.

HERCULES

FOR FRESH CITRUS FRUIT—NAMELY, ORANGES.
Claims use since 1915.

Reg. No. 216,720. Registered Aug. 17, 1926. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Ma Brown

The word "Brown" is disclaimed apart from the mark as shown.
FOR PICKLES, MUSTARD, JELLIES, JAMS, FRUIT BUTTERS AND FRUIT PRESERVES.
Claims use since Mar. 31, 1925.

Reg. No. 218,106. Registered Sept. 21, 1926. ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Republished by Orange Heights Orange Association, Corona, Calif., a corporation of California.

Camel

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since January 1906.

Reg. No. 220,463. Registered Nov. 9, 1926. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif., a corporation of California. Republished by registrant.

MAPLE WREATH

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since January 1903.

Reg. No. 220,920. Registered Nov. 16, 1926. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif., a corporation of California. Republished by registrant.

HOW'S THIS

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since January 1917.

Reg. No. 226,008. Registered Mar. 29, 1927. EL CAJON VALLEY CITRUS ASSOCIATION, El Cajon, Calif., a corporation of California. Republished by registrant.

SILVER GATE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Dec. 1, 1914.

Reg. No. 226,017. Registered Mar. 29, 1927. EL CAJON VALLEY CITRUS ASSOCIATION, El Cajon, Calif., a corporation of California. Republished by registrant.

SUNNY SOUTH

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Dec. 1, 1914.

Reg. No. 226,347. Registered Apr. 5, 1927. LINDSAY DISTRICT ORANGE COMPANY, Lindsay, Calif., a corporation of California. Republished by registrant.

Golden Sweets

The descriptive word "Sweets" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since January 1916.

Reg. No. 230,754. Registered Aug. 2, 1927. MISSION CITRUS ASSOCIATION, Redlands, Calif. Republished by Mission Citrus Association (1936), Redlands, Calif., a corporation of California.

CLEOPATRA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Nov. 1, 1926.

Reg. No. 232,328. Registered Sept. 6, 1927. BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr, Calif. Republished by Bryn Mawr Fruit Growers Association (1932), Bryn Mawr, Calif., a corporation of California.

Redlands Gold

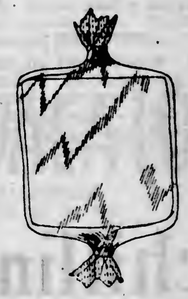
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.

Claims use since July 30, 1926.
Reg. No. 262,531. Registered Oct. 15, 1929. EDWARD F. KEMP, Somerville, Mass. Republished by E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts.



The drawing is lined for purple, and the trade-mark consists of the purple-colored twisted ends of the wrapper which encloses the goods. No claim is made to the representation of the body portion of the wrapper.
FOR CANDY; NUTS, BOTH SHELLED AND UNSHELLED (IN THEIR NATURAL STATE), SALTED, AND GLACÉ; CANDIED POPCORN, AND BISCUITS.
Claims use since Feb. 18, 1928.

Reg. No. 262,532. Registered Oct. 15, 1929. EDWARD F. KEMP, Somerville, Mass. Republished by E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts.



The drawing is lined for pink, and the trade-mark consists of the pink-colored twisted ends of the wrapper which encloses the goods. No claim is made to the representation of the body portion of the wrapper.
FOR CANDY; NUTS, BOTH SHELLED AND UNSHELLED (IN THEIR NATURAL STATE), SALTED, AND GLACÉ; CANDIED POPCORN, AND BISCUITS.
Claims use since Feb. 18, 1928.

Reg. No. 262,533. Registered Oct. 15, 1929. EDWARD F. KEMP, Somerville, Mass. Republished by E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts.



The drawing is lined for black, and the trade-mark consists of the black-colored twisted ends of the wrapper which encloses the goods. No claim is made to the representation of the body portion of the wrapper.

FOR CANDY; NUTS, BOTH SHELLED AND UNSHELLED (IN THEIR NATURAL STATE), SALTED, AND GLACÉ; CANDIED POPCORN, AND BISCUITS.

Claims use since Feb. 18, 1928.

Reg. No. 267,293. Registered Feb. 18, 1930. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

SANTA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.

Claims use since Jan. 2, 1908.

Reg. No. 288,287. Registered Oct. 20, 1931. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR FOOD FLAVORING EXTRACTS—NAMELY, VANILLA, LEMON, ROSE, PEPPERMINT, ORANGE, ALMOND, WINTERGREEN, NUTMEG, STRAWBERRY, RASPBERRY, PINEAPPLE, CHERRY, AND ANISE.

Claims use since about 1881.

Reg. No. 288,290. Registered Oct. 20, 1931. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR TEA AND COFFEE.

Claims use since 1881.

Reg. No. 288,291. Registered Oct. 20, 1931. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR SPICES, AND PARTICULARLY GROUND SPICES—NAMELY, BLACK PEPPER, WHITE PEPPER, CAYENNE PEPPER, MUSTARD, CINNAMON, CLOVES, GINGER, ALLSPICE, NUTMEG, MACE, SAGE, THYME, AND SAVORY.

Claims use since 1881.

Reg. No. 293,129. Registered Apr. 12, 1932. A. SCHILLING & Co., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR FOOD FLAVORING EXTRACTS—NAMELY, THE GENUINE FLAVORS OF CINNAMON, CLOVE, ALLSPICE, CELERY, AND SPEARMINT; AND THE IMITATION FLAVORS OF BANANA, MAPLE, PISTACHIO, WALNUT; AND ON SHERRY WINE SEASONING.

Claims use since 1881.

Reg. No. 409,618. Registered Oct. 10, 1944. GOLD MEDAL CANDY CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

THANKS

FOR CANDY.

Claims use since October 1938.

Reg. No. 424,301. Registered Oct. 1, 1946. PURITY CHEESE COMPANY, Mayville, Wis., a corporation of Wisconsin. Republished by registrant.

Le Roi

FOR CHEESE.

Claims use since Nov. 11, 1944.

Reg. No. 432,569. Registered Sept. 9, 1947. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

Fisher's BIS-KIT MIX

The term "Bis-Kit Mix" is disclaimed apart from the mark as shown.

FOR PREPARED BISCUIT FLOUR.

Claims use since Nov. 18, 1932.

Reg. No. 442,130. Registered Mar. 1, 1949. DUFFY-MOTT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Holley

FOR PRUNE JUICE.

Claims use since May 1, 1938.

Reg. No. 442,632. Registered May 3, 1949. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The surname "Brown" and the name "Squire Dingee Co." are disclaimed apart from the mark as shown. The mark is lined for red color.

FOR PICKLES, MUSTARD, PICKLE RELISH, FRUIT JELLIES, FRUIT PRESERVES, AND FRUIT JAMS.

Claims use since Nov. 18, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 48,571. Registered Jan. 2, 1906. BERNHEIM DISTILLING CO. INC., Louisville, Ky. Republished by Bernheim Distilling Company, Louisville, Ky., a corporation of Kentucky.

I.W. HARPER

FOR WHISKEY.

Claims use since 1872.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 307,553. Registered Oct. 31, 1933. BROCKWAY SALES COMPANY, Brockway, Pa. Republished by Brockway Glass Company, Inc., Brockway, Pa., a corporation of New York.

VAC-A-LOC

FOR BOTTLE CLOSURES.

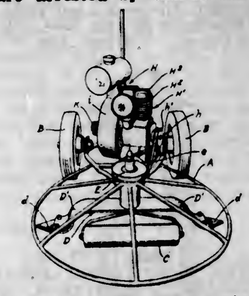
Claims use since Apr. 29, 1933.

REISSUES

SEPTEMBER 13, 1949

23,146
POWER LAWN MOWER WITH AIR FILTERING SCREEN
Hezz H. Packwood, Baton Rouge, La.
Original No. 2,445,965, dated July 27, 1948, Serial No. 683,940, August 7, 1946. Application for reissue September 2, 1948, Serial No. 47,521
5 Claims. (Cl. 56—25.4)

3. For use in a lawn mower, a motor having a rotating driving shaft, a motor cooling fan comprising a rotating air impeller carried by said shaft at one side of said motor and a fan casing enclosing said impeller and having an air inlet at the opposite side of the impeller from said motor and having an outlet for the discharge of cooling air against the motor, and an inlet screen carried by said shaft at the outer side of said inlet opening and at least substantially coextensive with said opening and extending across the path of air flow through said opening, whereby bodies which the air drawn into the casing through said inlet tends to carry into the fan casing, are arrested by the screen and when



dislodged, pass into the space external to said casing.

PLANT PATENTS

GRANTED SEPTEMBER 13, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

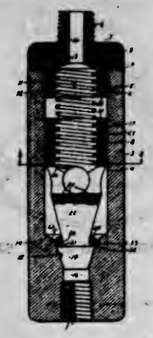
872
PRUNE TREE
Peter R. Parson, Forest Grove, Oreg.
Application September 12, 1947, Serial No. 773,585
1 Claim. (Cl. 47—62)

A new variety of prune tree as described, the tree and fruit resembling that of the Italian prune but characterized in that the fruit has a higher sugar content and ripens earlier than the Italian prune, that the tree is hardier and heavier bearing than the tree of the Italian prune, that the blossoms are thicker, whiter, more evenly distributed over the branches and appear earlier than the blossoms on the Italian prune tree, and that blossoms and fruit will appear on new wood on the tree after the first year.

PATENTS

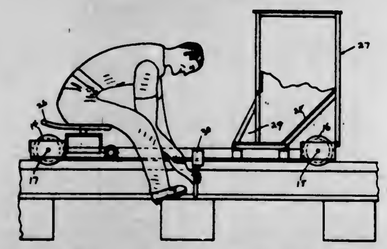
GRANTED SEPTEMBER 13, 1949

2,481,482
CHECK VALVE
Donald C. Green, Russell, Ohio
Application November 15, 1944, Serial No. 563,507
5 Claims. (Cl. 251—127)



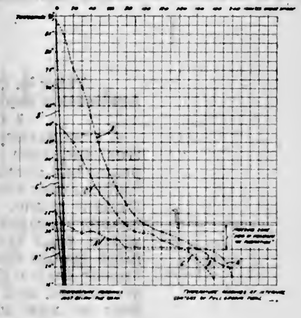
3. A poppet-type check-valve construction comprising a conical valve, formed to cooperate with a conical valve seat, and a conical stem portion tapering toward the valve; the diameter of the tapering stem at its juncture with the valve being less than the diameter of the valve, providing a shoulder; a ring of rubber or like elastic compressible material surrounding and mounted on the tapering portion, and normally engaging the shoulder; the tapering stem portion being of elongated axial extent greater than the cross sectional diameter of the ring; and the ring being movable therealong away from the shoulder; the taper angle of the stem portion and the internal diameter and elasticity of the ring being predetermined to cause the ring, by the action of its inherent elasticity, to return to the shoulder after being displaced therefrom along the tapering portion by flow through the cooperating valve seat.

2,481,483
SPIKE SETTER CARRIAGE
Knox Kershaw and Royce Kershaw, Montgomery, Ala.
Application September 6, 1946, Serial No. 695,076
1 Claim. (Cl. 105—144)



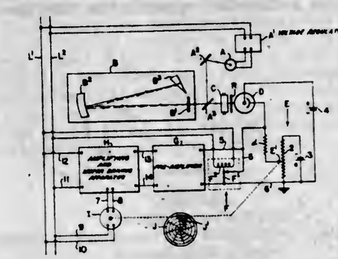
A carriage for use in setting railroad track spikes comprising a relatively narrow main frame adapted to be straddled by an operator and having tandem double flanged supporting wheels of relatively small diameter on one rail of the track, a transversely extending socket on each side of the main frame, a transverse frame member adapted to fit in either socket, a wheel carried by the outer end of the transverse frame member adapted to rest on the opposite rail of the track, an operator's seat on one end of the main frame over one of the supporting wheels and of such height that when seated thereon, the operator's feet are in engagement with the ground in position to propel the carriage, a spike storage bin on the other end of the frame, spaced from the seat and having a discharge opening therein in easy reach of a workman on the operator's seat and affording an uninterrupted space in which to manipulate a spike setter's hammer, and a sloping bottom in the storage bin for delivering the spikes to the discharge opening.

2,481,484
QUICK-FREEZING OF FOODSTUFFS WITHOUT PRECOOLING
Harry A. Noyes, Watertown, Mass.
Application December 9, 1944, Serial No. 567,380
9 Claims. (Cl. 99—194)



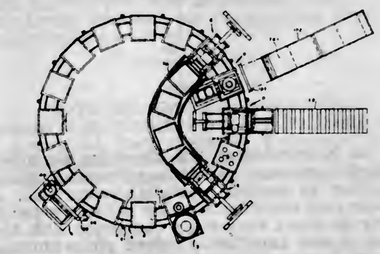
1. A process of handling poultry by quick freezing with substantially complete retention of natural unimpaired constitution and flavor of the flesh as it existed at the time bleeding ceased in the slaughtering step, comprising killing, bleeding and defeathering the bird in rapid succession and then before any appreciable physiological changes other than of temperature have occurred subjecting substantially the entire surface of the carcass to intimate thermal contact with a copious spray of liquid refrigerant, containing sodium chloride as the principal solute, flowed over the naked carcass, maintaining the solution at a temperature low enough below the freezing point of water containing portion of the carcass in a quick freezing process to produce quick freezing and causing the solution to pass continuously over the surfaces of the carcass for a period of time, sufficient to effect quick freezing of said carcass.

2,481,485
METHOD AND APPARATUS FOR MEASURING AND CONTROLLING
Leonard Stanton, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 11, 1946, Serial No. 669,016
35 Claims. (Cl. 250—41.5)



1. The method of measuring a minute unidirectional current flowing in a circuit including a high resistance portion in which said current produces a measurable potential drop, which consists in maintaining a regulable unidirectional, potential drop in a low resistance measuring circuit which is normally equal to the potential drop in said high resistance portion, and maintaining a pulsating voltage proportional to the difference between said potential drops when they are unequal, and impressing said pulsating voltage on the input circuit of an electronic amplifier and varying said regulable potential drop in accordance with variations in the output current of said amplifier to eliminate the difference between said potential drops.

2,481,486
ROTARY MOLDING MACHINE
Boyd R. Abbott, Norristown, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 10, 1943, Serial No. 482,645
3 Claims. (Cl. 92—61)

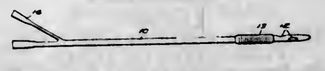


2. In a rotary molding machine, a mold arrangement comprising a mold carriage having a substantially fluid-tight chamber therein, a mold body having a perforate bottom hinged to said carriage and in substantially fluid-tight communication with said chamber, a filling booth associated with said mold body and forming substantially fluid-tight extension thereof, and a valve in said chamber for controlling the flow of liquid through said booth, mold body, and chamber, said chamber, mold body, and filling booth being rotatable as a unit on said mold carriage.

2,481,487
LUBRICATING COMPOSITION
David E. Adelson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 24, 1947, Serial No. 750,379
23 Claims. (Cl. 252—32.7)

1. A composition comprising a major amount of an oleaginous material and a minor amount, sufficient to stabilize said oleaginous material against deterioration and corrosion, of a reaction product obtained by initially treating cyclic ketone fractions having at least 12 carbon atoms with phosphorus sulfide at a temperature not in excess of 200° C. and thereafter treating said reaction product with a sulfurizing agent at a temperature below 180° C., said final reaction product containing from about 1.2% to 5.2% phosphorus and from about 32% to 73% increase in sulfur above that present in the initial reaction product.

2,481,488
METHOD OF MAKING INFLATABLE CATHETERS HAVING PREFORMED BALLOON SACS
John M. Auzin, Warwick, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application October 19, 1946, Serial No. 704,511
7 Claims. (Cl. 18—58.7)

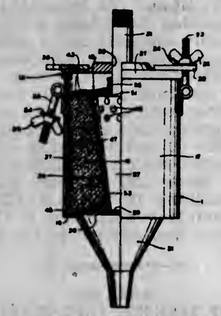


1. In a method of forming an inflatable catheter having a cylindrical body portion, the steps of positioning a pre-formed inflation tube in a longitudinal surface groove of a dipping form, plugging the distal end of the inflation tube, dipping the form in rubber solution to obtain a body portion coating, forming an opening in the coating into the inflation tube, applying wetting agent to the coating in the region of the opening, positioning a pre-formed balloon sac having tapered ends over the opening, rolling back the ends of the balloon sac, removing the wetting agent from the catheter body rolled back areas, applying cement to the catheter body at the rolled back areas, rolling the ends of the balloon sac back over the applied cement, and drying and curing to obtain an integral catheter.

2,481,489
FILTER
Otto A. Becker, Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 16, 1945, Serial No. 594,150
1 Claim. (Cl. 210—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A filter comprising a funnel-like container provided with an inlet pipe at the top and an outlet port at the bottom; a filter cartridge adapted to fit into said container; said cartridge comprising a support, a quantity of filtering material, and a bag; the said support comprising a central, vertically disposed, hollow tubular core pierced by openings at its upper portion, a horizontally disposed top plate secured to the upper end of said core and pierced by an opening receivable to the inlet pipe aforesaid, a horizontally disposed base plate in register with the top plate and secured to the lower end of the said core so

that its central portion forms, with the lower portion of the core, a settling basin, said base plate also extending laterally beyond said core, the portion of said base plate extending beyond said core being pierced by holes so positioned that liquid passing through them flows into the said outlet pipe; a horizontally disposed annular



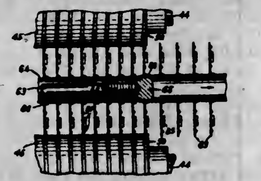
baffle plate secured to the outside of the core below the openings in said core aforementioned; the filtering material filling the space outside the core and between the top and base plates; the bag aforesaid surrounding the support and filtering material and being provided with an aperture receivable to the inlet pipe.

2,481,490

APPARATUS FOR SPACING AND FIXING FINS ON TUBES

Frank M. Bennett and Carl J. Weaver, Canton, Ohio, assignors to Keeprite Corporation, Youngstown, Ohio, a corporation of Ohio

Application May 5, 1947, Serial No. 745,938
7 Claims. (Cl. 29—202)



1. Apparatus for fixing fins upon a tube comprising means for supporting a tube with a plurality of perforate fins loosely strung thereon, an expanding head inserted into the tube, a pair of helical grooved rolls adjacent to the expanding head for uniformly spacing the fins upon the tube, means for rotating the rolls, and independent means for moving the tube longitudinally relative to the expanding head and the rolls to expand the tube into each fin as it leaves the rolls so that the fins will fit tightly upon the tube in uniformly spaced position.

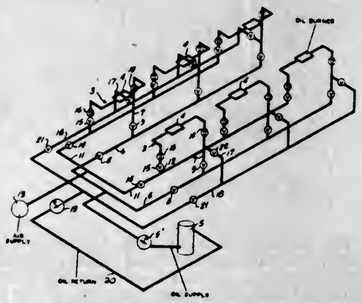
2,481,491

FUEL OIL SYSTEM FOR FEEDING A PLURALITY OF BURNERS, INCLUDING MEANS FOR EMPTYING UNUSED OIL

Le Roy D. Bishop, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 30, 1942, Serial No. 470,651
4 Claims. (Cl. 158—36.3)

4. In an oil burning heating system, the combination of an oil burner, an oil supply, a supply conduit connecting the oil supply with said burner, a pressure pump connected to said oil supply and to said supply conduit for transferring oil from said supply to said burner through said supply conduit, a valve for closing said supply conduit, an oil return conduit interconnected with said supply conduit and said burner, and a suction pump connected to said oil return conduit to withdraw oil from said burner and said supply conduit, in a direction opposite the direction of



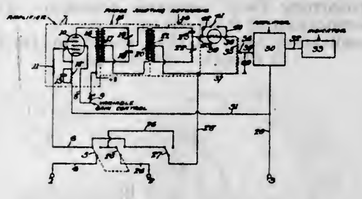
normal flow, upon closing of the valve in the supply conduit.

2,481,492

INTENSITY, INTENSITY RATIO, AND PHASE DIFFERENCE MEASURING SYSTEM FOR GEOPHYSICAL PROSPECTING

Bjarni S. Bjarnason, Toronto, Ontario, Canada, assignor to Hans T. F. Lundberg, Toronto, Ontario, Canada

Application June 7, 1945, Serial No. 598,118
12 Claims. (Cl. 172—245)



2. An instrument of the character described adapted to present a picked up potential in phase opposition to another potential comprising, a variable gain amplifier, a phase shifting network having its input electrically connected with the output of said amplifier, a second phase shifting network having its input electrically connected with the output of the first named network, at least one of said networks being provided with an adjustable phase control having an indicating dial, a potentiometer electrically connected across the output of said second network, whereby the strength and phase of the current across the potentiometer may be regulated, an adjustable current control for said potentiometer provided with an indicating dial, a second amplifier having its input electrically connected with said potentiometer control, a plurality of potential pickups, and means for electrically connecting said pickups with said amplifiers.

2,481,493

PREPARATION OF SILICA ZIRCONIA GEL

Richard W. Blue, Bartlesville, Okla., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 10, 1947, Serial No. 785,193
13 Claims. (Cl. 252—452)

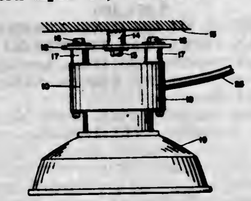
1. The process of preparing silica zirconia gel, which comprises fusing a zirconium silicate ore in an alkaline flux, adding alkaline silicate to the flux in required quantity to furnish a silica/zirconia weight ratio in the range of 95/5 to 80/20, dispersing the obtained product in aqueous medium and adding acidic material to the dispersion in quantities sufficient to adjust the pH within the range of 2.5 to 8.0, thereby effecting formation of a colloidal sol setting to a hydrogen.

2,481,494

SHOCK MOUNTING

Robert J. Bonthron and William W. Rosenberry, United States Navy

Application October 18, 1945, Serial No. 623,163
3 Claims. (Cl. 248—358.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



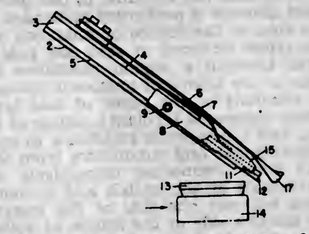
1. A shock mounting construction comprising a supporting member in the form of a plate composed of hot rolled sheet steel having a yield strength corresponding to a stress range from 34,000 to 38,000 pounds per square inch and a percentage elongation from 22.0 to 27.0% for an eight inch gauge length, rigid means holding said plate substantially parallel to a shock-transmitting surface, said means being rigidly secured to said surface, and rigid means supporting a lighting fixture including an electric lamp from said support plate.

2,481,495

CLOSURE-RELEASE MECHANISM

Harold H. Borthwick, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application June 27, 1947, Serial No. 757,477
5 Claims. (Cl. 226—88.1)



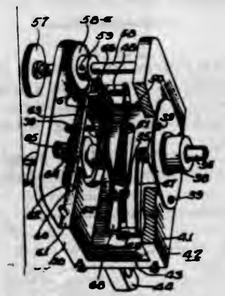
1. In a closure-feeding and applying device: a closure release mechanism comprising an inclined chute down which closures may pass; a pair of resilient fingers; and means attaching said fingers to said chute adjacent the lower end thereof for limited flexure each as a unit, each of said fingers comprising: (a) a stop, (b) a guide disposed above the stop, and (c) an attaching shank, said stops lying in the path of movement of closures down the chute, closure-engaging portions on said stops for intersecting the lowermost closure in the chute by engagement with the closure skirt on opposite sides thereof adjacent the edge of the skirt, with the skirt projecting from the chute into the path of movement of a container to be closed moving below the chute, said stops being constructed and arranged to enable the closure to surmount the same upon slight upward movement of the closure resulting from impact of the oncoming jar with the closure held in an inclined position, closure-engaging portions on said guides for contacting the closure skirt on opposite sides thereof upon the closure having surmounted the stops, and closure-supporting portions on said stops upon which the edge of the closure skirt may slide during extraction from between said guides, the limited flexure of the fingers away from each other permitting the closure to pass between the guides while the guides apply guiding pressure to the closure on opposite sides of the skirt, with the edge of the skirt on opposite sides of the closure sliding on the closure-supporting portions of the stops.

2,481,496

RATIO CONTROLLER

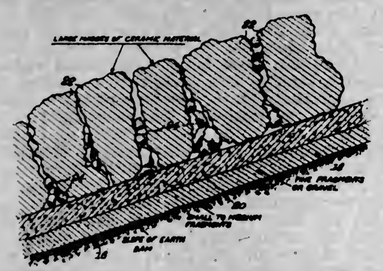
Nathaniel Brewer, Newtown, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania

Application September 25, 1945, Serial No. 618,540
7 Claims. (Cl. 74—1)



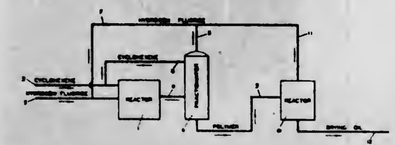
1. A motion-transmitting mechanism for use in a system for controlling the ratio of flow in two fluid lines comprising a pair of movable operating elements, an actuated element, and a ratio-movement for transmitting forces of said operating elements to said actuated element, said ratio-movement comprising a pair of aligned rotatable shafts, a pair of balanced beams mounted upon said aligned shafts, a lever carried by each of said shafts, a proportioning link pivotally supported at its ends by the free ends of said levers whereby tilting of said beams causes tilting of said link, means for tilting said beams responsive to movements of said movable elements, and means for actuating said actuated element responsive to tilting of said link.

2,481,497
PROCESS FOR PRODUCING FUSED CERAMIC RIPRAP
Dow A. Bunnell, Arlington, Va., and George Blackstone, Fort Peck, Mont.
Application September 15, 1948, Serial No. 49,454
4 Claims. (Cl. 25—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



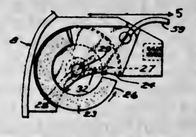
1. The process of producing fused ceramic riprap for the protection of earth slopes and the like, from loess soils, which comprises incorporating from approximately ten per cent to approximately twenty per cent of colloidal clay and from approximately five per cent to approximately twenty-five per cent of sand into a given amount of loess soil, the said parts being by volume, forming the resulting loess-clay-sand mixture into bricks under vacuum, firing the resulting bricks in a kiln environment at a temperature of from approximately 1650° F. to approximately 1800° F. until fusion of the bricks is effected, cooling the kiln, and breaking out the resulting solidified charge from the kiln as rock-like material approaching quarry rock in physical properties.

2,481,498
PREPARATION OF DRYING OIL BY POLYMERIZATION OF OLEFINS
Paul H. Carnell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 26, 1945, Serial No. 637,266
10 Claims. (Cl. 260—666)



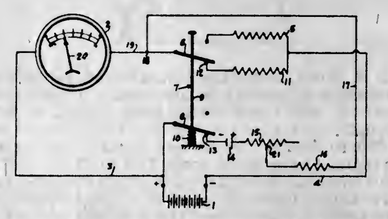
3. The method of producing a drying oil which comprises subjecting a mixture of anhydrous hydrogen fluoride and an olefin to polymerization at temperatures within the range of 0 to 150° C., subjecting the resulting mixture to fractionation at temperatures effective to decompose lower organic fluorides into hydrogen fluoride and olefin and thereby separating by vaporization the hydrogen fluoride and olefin from polymer, subjecting said polymer to further polymerization for a time of at least 15 minutes but less than one hour and at temperatures within the range of 100 to 200° C. and higher than those employed in the first-named polymerization to form a drying oil, and recycling the separated hydrogen fluoride and olefin to the first-named polymerization.

2,481,499
BRUSH AND BRUSH HOLDER FOR ELECTRIC DRILLS
Francesco Collura, New York, N. Y., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application April 24, 1945, Serial No. 590,079
9 Claims. (Cl. 171—323)



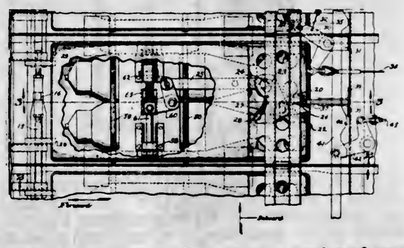
1. In an electric tool a brush adapted to bear at its end upon a commutator and extended from said bearing content along a circular arc and at its farther end approaching the commutator at a point along the circumference thereof from said bearing contact area, and a coil spring having an arm extended therefrom bearing against the farther end of the brush to impose a spring pressure upon the arc shaped brush to feed it to the armature contact area as it is worn.

2,481,500
ELECTRICAL MEASURING INSTRUMENT AND CIRCUITS THEREFOR
William E. Crowl, Dayton, Ohio, assignor to The W. W. Boes Company, Dayton, Ohio, a corporation of Ohio
Application August 5, 1944, Serial No. 548,270
4 Claims. (Cl. 171—95)



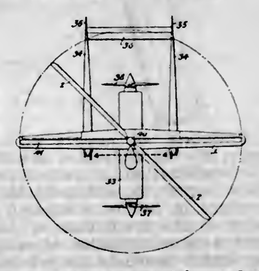
1. Electrical measuring apparatus comprising an instrument having a pair of scales, one of which is adapted directly to measure the voltage of unknown magnitude and the other of said scales being adapted to measure said voltage as opposed by a voltage of known magnitude obtained from a source separate from the voltage being measured, a circuit connected to said instrument for applying each of the voltages independently of one another to the instrument, said circuit including a double throw, double pole switch, each of the blades of said switch having a pair of terminals, one terminal of one pair being connected through a protective resistance to the negative side of the source of unknown voltage and the other terminal of said one pair being connected through a second resistance to the same side of the source of unknown voltage, one of the terminals of the other of said terminal pairs being connected through a source of known potential and a protective resistance to one side of the instrument and conductors from the instrument being connected respectively to the blade terminals of the switch and a conductor connected between one side of the instrument and the positive side of the source of voltage of unknown magnitude, said instrument being adapted to register on one of its scales the voltage of the source of unknown voltage when the switch is in one of its two positions and being adapted to register on the other of its scales the difference between the unknown and known voltages when the switch is moved to the other of its positions.

2,481,501
BOMB CONTAINER AND RELEASING MECHANISM
James C. Darnall, Jr., Hyattsville, Md.
Application March 4, 1941, Serial No. 381,691
4 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



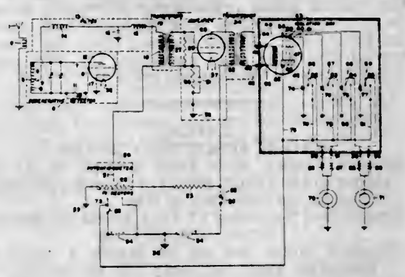
4. In an aircraft body portion, a series of compartments formed therein, latching means in each of said compartments comprising a spring biased locking member, a series of open sided containers, one of said containers held in each of said compartments by said latching means, a plurality of layers of aircraft bombs placed in each of said containers, spring ejecting means in each of said containers for ejecting said bomb layers, retaining means in each of said containers for holding said bomb layers against the action of said spring ejecting means, a first linkage means mounted on said body portion and carrying a series of pins spaced at different intervals, said pins operating said retaining means in said containers in sequence to release said bombs in each of said containers in sequence when said first linkage means is actuated, a second linkage means mounted on said body portion and carrying a series of cams, said cams actuating said spring biased locking members of said latching means in said compartments to permit all of said containers to be ejected simultaneously when said second linkage is operated.

2,481,502
MECHANISM FOR PROJECTING AND RETRACTING AIRCRAFT LIFT ROTORS
George G. Downing, Atlanta, Ga.
Application July 27, 1943, Serial No. 496,283
3 Claims. (Cl. 244—6)



1. A flying machine comprising a frame structure, a carriage movable vertically relative to said frame structure and having a central vertical housing tube and spiders at the upper and lower ends of said housing tube, means for guiding said carriage on said frame structure including upright guide rods mounted on said frame structure and guide tubes connected with said spiders and slidable on said rods, a motor piston mounted on said frame structure, a motor cylinder sliding on said piston, means for introducing a pressure fluid into the chamber between said piston and cylinder and withdrawing the same therefrom for raising and lowering said cylinder, a tubular shaft arranged between said housing tube and motor cylinder and capable of turning independently thereof but compelled to move vertically therewith, bearings interposed between the shaft and said housing, tube and motor cylinder, and a rotor operatively connected with said shaft.

2,481,503
ISOLATED RADIANT ENERGY CONTROL SYSTEM
James Y. Dunbar, Robert D. Gilpin, and Norman R. Hussey, United States Navy
Application March 19, 1945, Serial No. 583,484
5 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

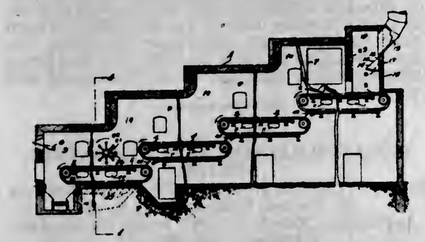


1. In a radiant energy remote control system having a transmitter for transmitting radiant energy signals of predetermined frequencies; an airborne object having control surfaces; a directional receiving antenna mounted on said airplane, insensitive to signals from any point ahead of the line of flight; and a detector coupled to said antenna; the combination, comprising: an evacuated envelope; a plurality of reeds mounted therein, having natural frequencies corresponding to the signal frequencies; isolating means surrounding said envelope to isolate against airborne sound, vibration, and shock; an electromagnet energizable by the output of said detector for vibrating said reeds; contact means engaged by the reeds when the vibration reaches a predetermined amplitude; a plurality of relays controlled by said contact means; and a plurality of motors controlled by said relays for actuating said control surfaces.

2,481,504
TRAVELING GRATE INCINERATOR FOR CITY REFUSE AND THE LIKE
Thomas Ferro and Mateo M. Manov, Piedmont, Calif., assignors to Oakland Scavenger Co., Oakland, Calif., a corporation of California
Application April 22, 1944, Serial No. 532,234
7 Claims. (Cl. 110—7)

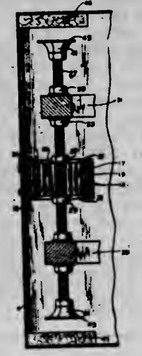
1. An incinerator for city refuse and the like comprising, in combination, a furnace enclos-

ing a continuous horizontally disposed series of chambers, the tops of said chambers being arranged in stepped formation, a series of correspondingly arranged, stepped traveling grates in said chambers whereby refuse received upon the topmost of the grates is delivered successively to the grates below, means to feed refuse into said furnace and onto the topmost grate, heating means at the lowermost of said chambers, the chamber spaces in the furnace over each grate being of successively decreasing cross sections, the greater of said cross sections being at the



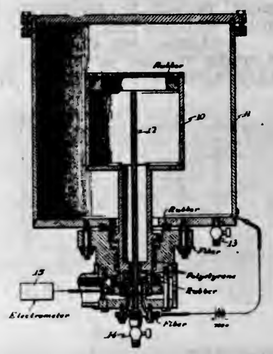
feed end of the respective grate, whereby the heat and the products of combustion carried by the heated gases are allowed gradually to expand as the said gases progress above said traveling grates through the furnace from one chamber to the other, and an outlet for said gases arranged above the topmost grate.

2,481,505
SHOCK ABSORBING MEANS
Quentin Frazier, West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War
Application November 23, 1945, Serial No. 630,513
6 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



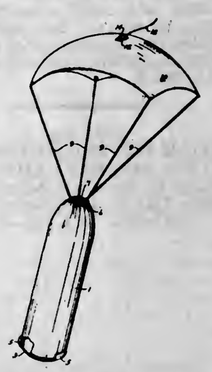
1. In a shock mount for a load, a volute spring made up of a coil of flat springy material, a tubular housing secured to the outer turn of said spring, a rod extending through the axis of said spring and secured to its innermost turn, means secured to the rod to sustain the load with its center of gravity substantially at the midpoint of the spring.

2,481,506
FAST NEUTRON METER
Carl C. Gamertsfelder, Jr., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 6, 1944, Serial No. 543,701
4 Claims. (Cl. 250—83.6)



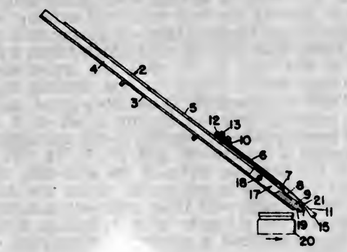
1. Apparatus for measuring neutron intensity in the presence of gamma radiation comprising a rod electrode, two chambers arranged concentrically with respect to each other and about said rod electrode, both of said chambers being equally responsive to gamma radiation and one only of said chambers being responsive to neutron bombardment.

2,481,507
PARACHUTE TARGET
Hymen Goldstein, Fairlawn, N. J.
Application July 26, 1944, Serial No. 546,722
3 Claims. (Cl. 273—105.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



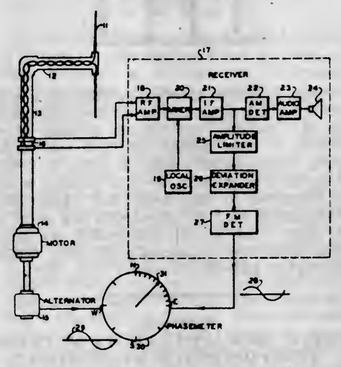
2. A target of the character described comprising in combination a parachute canopy, shroud lines joined to said parachute canopy along its edges, a hollow elongated inflatable sleeve joined to the lower ends of said shroud lines, means to cause inflation of said sleeve by air as the target descends toward the ground, and means secured to the lower end of the sleeve to cause the target to oscillate as it descends.

2,481,508
CLOSURE-FEEDING DEVICE
Paul Gschwend, Manheim Township, Lancaster County, and John M. Sharf, Lancaster Township, Lancaster County, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 27, 1947, Serial No. 757,530
8 Claims. (Cl. 226—83.1)



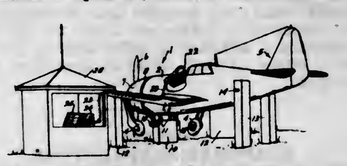
1. A closure-feeding and applying device comprising a closure support for receiving a closure in inclined position with its skirt intersecting the path of movement of a container to be closed, means for holding said closure in such position and from which the closure may be released by forward motion of the container, and downwardly directed upwardly yieldable guiding means disposed for coincidental engagement with lateral portions of the closure skirt on opposite sides thereof to maintain the closure in alignment with the container during application of the closure thereto.

2,481,509
DIRECTIONAL SYSTEM
Paul G. Hansel, Red Bank, N. J.
Application September 5, 1945, Serial No. 614,587
7 Claims. (Cl. 343—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A receiver system for translating carrier waves modulated in accordance with a signal from a particular transmitting station and for determining the direction of arrival of said waves comprising: means for receiving said waves at a point which is periodically and harmonically moving relative to said station at a relatively low rate to superimpose upon the received waves a periodic wave-length deviation having a period equal to that of the motion of said point and a phase which is related to said direction, a pair of parallel channels energized by said received waves, one of said channels including a detector to derive the signal modulation component of said waves, the other channel including an expander for increasing the maximum wave-length deviation of said received waves, a wave-length modulation detector coupled to the output of said expander for deriving a current having a phase angle related to said direction of arrival, and means for comparing the phase angle of said current with that of a current representing a reference direction.

2,481,510
TRANSITION TRAINER
George H. Hollingsworth, Long Beach, Calif., Ernest V. Burton, Seymour Johnson Field, N. C., and Rocco A. Traficante, Meriden, Conn.
Application December 28, 1945, Serial No. 637,760
7 Claims. (Cl. 35—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

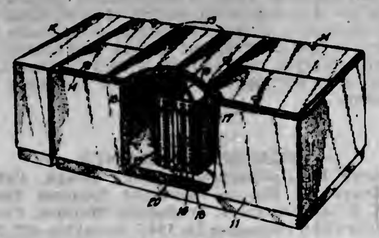


4. A transition training device for instructing a student in the proper manipulation of engine, variable pitch propeller, retractible landing gear wing flaps, fuel system and the like under conditions simulating take-off, flight and landing comprising an operative airplane of the type to which transition is to be made, said airplane being cradled so as to permit operation of the power plant, propeller retractible landing gear and wing flaps thereof, a master control panel positioned remote from the airplane to be observed by an instructor and having master instruments thereon operatively connected for indicating the value of operating factors such as engine speed, oil pressure, manifold pressure, fuel pressure, hydraulic system pressure and the like, an instrument panel in the airplane and having instruments thereon duplicating the master instruments, means interconnecting the duplicate instruments to the master instruments such that the instruments normally indicate the same values of the respective operation factors and means on the master control panel for isolating one or more of the airplane instruments from the corresponding master instrument and for varying the indication thereon to simulate departure of the corresponding operating factor from a safe operating value.

2,481,511
EVAPORATOR
Charles C. Hubbell, Meadville, Pa., assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application April 4, 1944, Serial No. 529,500
8 Claims. (Cl. 62—126)

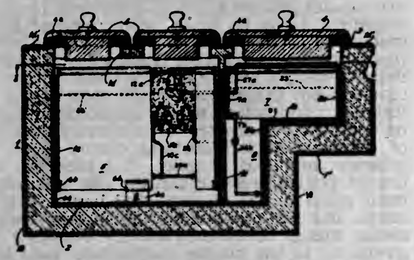
1. In a refrigeration apparatus, an evaporator comprising two relatively thin metal sheets sealingly joined throughout their marginal edges and spacing means between said sheets within the area defined by said joined edges, an inlet connection for supplying a volatile liquid refrigerant to the bottom portion of said evaporator between its opposite ends, and an outlet connection for

vapor adjacent the top edge of said evaporator, said spacing means consisting of spaced rows of uniformly, spacedly related indentations provided on one of said sheets and disposed in face to face relation to the other sheet and forming between them passages for the circulation of the



liquid refrigerant and vapor, said indentations being elongated and of greater length horizontally than their heighth and providing along their upper sides ledges on which the oil in the refrigerant is adapted to settle during the inoperative phase of each cycle of operation of the apparatus.

2,481,512
EVAPORATOR STRUCTURE
Charles C. Hubbell, Cleveland, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1945, Serial No. 606,367
9 Claims. (Cl. 62—126)

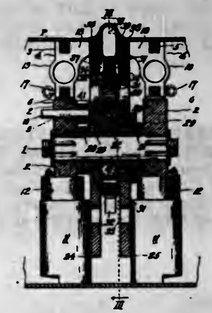


1. In apparatus of the class described, the combination with a cabinet having an opening and a closure therefor, of an evaporator consisting of a pair of spaced plates provided with embossments forming therebetween channels for the circulation of a volatile liquid, said evaporator being shaped to form upper and lower alined end sections adjacent to one wall of said cabinet, an outer L-shaped section connected at one end to said upper end section, an inner L-shaped section connected at one end to the opposite end of said outer L-shaped section and a separate section between the opposite end of said inner L-shaped section and said lower end section, said L-shaped sections forming between them a storage space and portions of each L-shaped section forming with the adjacent cabinet walls a separate storage space, the embossments in those portions of said plates which form the bottom and sides of the storage space between said L-shaped sections being disposed on the outer sides thereof, one of said end sections having an inlet for the liquid and the other end section having an outlet for vapor.

2,481,513
DRILLING FLUIDS AND METHOD OF USING SAME
William M. Hutchinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application October 14, 1947, Serial No. 779,833
12 Claims. (Cl. 252—8.5)

1. In a process of drilling wells comprising the steps of drilling the well with well drilling tools, and circulating through the well during said drilling a water base drilling mud which forms a filter cake on the wall of the well, the improvement comprising incorporating in said drilling mud a metal salt of carboxyethyl cellulose ether, soluble in an aqueous solution having a pH of 9, said metal being selected from the group consisting of the metals of groups IB, IIB, IV, V, VI, VII and VIII of the periodic series of the elements, in an amount sufficient to reduce the water loss due to filtration through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent that it cannot be circulated.

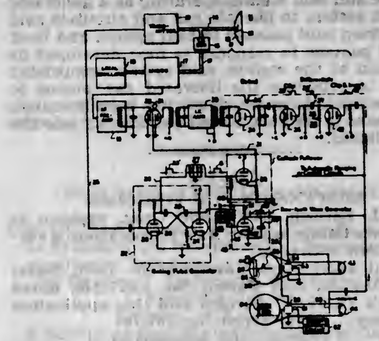
2,481,514
PIPE-BENDING MACHINE
Franc Ingemarson, Tulsa, Okla., assignor of one-third to O. L. Carter and one-third to Albert Thompson, both of Tulsa, Okla.
Application July 15, 1946, Serial No. 683,630
10 Claims. (Cl. 153—69.5)



2. A pipe bending machine comprising a frame composed of segments of a circle connected together for endwise movement, means to effect expansion or contraction of said segments for clamping engagement with a pipe, a revoluble roller assembly carried by the frame, a motor, means actuated by the motor for expanding the roller assembly and for revolving the same within the pipe, and means for bodily shifting the rotating assembly outwardly in the frame in relation to the axis of the pipe.

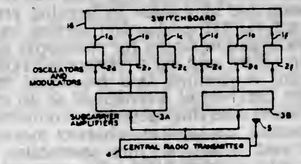
2,481,515
METHOD AND APPARATUS FOR PULSE-ECHO DISTANCE MEASURING
Eric J. Isbister, Forest Hills, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 30, 1943, Serial No. 481,165
19 Claims. (Cl. 343—13)

18. In radio range-measuring apparatus, a radio pulse transmitter, a radio receiver for receiving a transmitted pulse reflected from a distant object, means for providing in the output of said receiver only that portion of the reflected pulse that does not overlap the transmitted pulse in a time sense, differentiating means connected to the output of said receiver for providing a reference pulse occurring at the time of the decaying, trailing edge of the received pulse



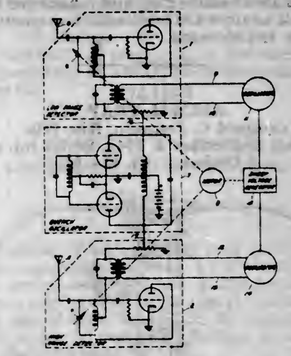
for time comparison with one edge of the transmitted pulse, and means controlled by said reference pulse and an edge of the transmitted pulses for supplying a measure of range to said object.

2,481,516
MOBILE TELEPHONE SYSTEM
Lance R. Jacobsen, Seattle, Wash.
Application March 22, 1946, Serial No. 656,244
5 Claims. (Cl. 250—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



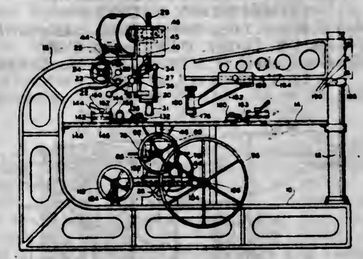
1. In a multisubscriber radio telephone system, a central radio transmitter station, a telephone switchboard, a multiplicity of groups of subscriber radio stations, outgoing lines from said switchboard carrying audio signals for respective subscribers to said central radio transmitter station, means for generating a plurality of distinct subcarrier frequencies each one of which is associated with one subscriber radio station in each of said groups, means at the central radio transmitter station to amplitude modulate each of the subcarrier frequencies by each of the said audio signals, means for combining the amplitude modulated subcarrier frequencies associated with a group of subscriber radio stations into a subcarrier group, apparatus for generating a plurality of distinct principal carriers, each principal carrier being assigned to one of the said groups of subscriber radio stations, means for frequency modulating each of the assigned principal carriers by the subcarrier group assigned to the same radio subscriber station group, means for alternately radiating said frequency modulated principal carriers at a rate that is high when compared with the highest audio frequency sought to be transmitted, receiving means at said subscriber radio stations to receive said alternately radiated principal carriers, central radio receiving station means, communication means between said subscriber radio stations and said central receiving radio station means, incoming lines from said central receiving radio station to said telephone switchboard.

2,481,517
SUPERREGENERATIVE RECEIVER SYSTEM
Lewis F. Jaggi, San Antonio, Tex.
Application March 12, 1945, Serial No. 582,330
2 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A panoramic receiver system comprising in combination a pair of superregenerative detectors having variable tuning means for respectively tuning said receivers over contiguous frequency ranges, means for simultaneously sweeping said tuning means over said frequency ranges, means for alternately quenching said detectors whereby interference therebetween is avoided, indicator means for simultaneously presenting the outputs of said detectors, and means for providing a time base for said indicator means synchronously with the frequency sweep of said detectors.

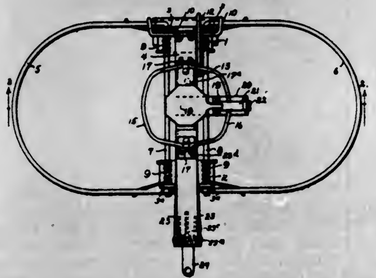
2,481,518
SHEET METAL WORKING MACHINE
Herbert L. Johnson, Peabody, Mass.
Application March 10, 1945, Serial No. 582,098
10 Claims. (Cl. 153—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A flanging machine comprising a table, an anvil having an end surface and a frustro-conical side surface, a flanging tool, means for angularly adjusting said anvil to permit its being positioned with either of two opposite elements of its conical side surface substantially perpendicular to said table, means for adjusting said tool radially of said anvil whereby said tool can be brought into

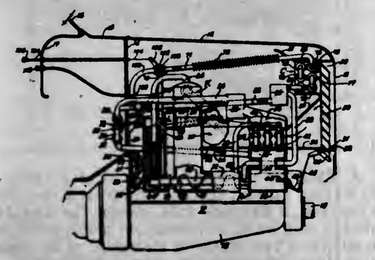
operative relation to said anvil adjacent to either of said elements of its side surface, a block mounted on said table directly below said tool roller having an axis of rotation parallel to said table mounted at one end of said block, said block being positioned on said table with said roller in cooperative relationship with said anvil and said tool for supporting a blank, means for rotating said anvil and tool, means for moving said tool axially in proximity to the side surface of said anvil, thereby simultaneously to hold said blank in driving engagement with the end and side surfaces of said anvil and to bend a margin of the blank about said anvil, and means for holding said blank against translational movement while in driving engagement.

2,481,519
ANIMAL TRAP
Leonard C. Johnson, Rio, Wis.
Application September 6, 1946, Serial No. 695,258
4 Claims. (Cl. 43—88)



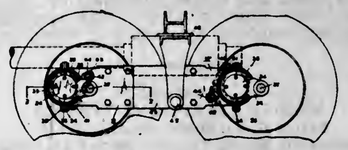
1. In a dual animal trap, the combination with an outer pair of opposed spring-pressed jaws, a pivoted latch retaining the jaws in set position, a pivoted latch-keeper, and a releasable safety device initially co-acting with the latch-keeper, of an inner pair of spring-closed jaws, one of said jaws adapted to retain the latch-keeper in operative position after release of the safety device, and a trigger-actuated movable bait-device co-acting with the last mentioned inner jaw to hold the dual traps in set position.

2,481,520
COOLING CYCLE FOR INTERNAL-COMBUSTION ENGINES
Marion F. Knoy, Long Beach, Calif., assignor to Robert T. Collier, Wilmington, Calif.
Application February 7, 1944, Serial No. 521,354
20 Claims. (Cl. 62—119.5)



1. In an engine cooling structure, the combination of: an internal combustion engine having cylinders and a liquid passage in heat transfer relation with the cylinders; and a gas absorption system connected to said passage in sealed relation, said system and said passage containing a circulatory gas absorption liquid and gas, said passage and said engine operating as a generator for said system to liberate gas and circulate said liquid from said passage to said system and back to said passage in response to heat developed by operation of the engine, said system comprising means to condense the liberated gas, means to cool the liquid from which gas has been liberated, and means to feed condensed gas directly into the cooled liquid.

2,481,521
SUSPENSION FOR VEHICLES
Glenn L. Larison, La Grande, Oreg., assignor to Larison Compensating Axle Corporation, a corporation of Oregon
Original application November 30, 1943, Serial No. 512,352, now Patent No. 2,417,206, dated March 11, 1947. Divided and this application October 7, 1946, Serial No. 701,707
2 Claims. (Cl. 280—104.5)



1. In a vehicle, a walking beam, a pair of wheel-carrying assemblies hinged near one end of said walking beam for movement in parallel vertical planes, a differential mechanism carried by said walking beam and mounted for rotational movement as an entire unit on a horizontal axis, resilient means controlling said rotational movement of the differential mechanism as an entire unit, said wheel-carrying assemblies connected to said differential mechanism, whereby movement of one of said wheel-carrying assemblies with respect to said walking beam will cause relative movement of the other wheel-carrying assembly in the opposite direction with respect to said walking beam and movement of both wheel-carrying assemblies in the same direction with respect to the walking beam will cause said differential mechanism to be rotated as an entire unit against the force of said resilient means, a second pair of wheel-carrying assemblies hinged near the other end of said walking beam for movement similarly in parallel vertical planes, a second differential mechanism carried on said walking beam and mounted for rotational movement as an entire unit on a horizontal axis, resilient means controlling said rotational movement of said second differential mechanism, said second pair of wheel-carrying assemblies connected to said second differential mechanism.

2,481,522
THROWING TOOL
Carl R. Livermon, Rozobel, N. C.
Application February 28, 1945, Serial No. 580,103
4 Claims. (Cl. 124—5)

1. A throwing tool comprising a handle and a head member, said head member comprising a rod-like U-shaped portion and a rod-like V-shaped portion having their open ends facing each other, one arm of the U-shaped portion and one arm of the V-shaped portion being in alignment and the other arm of the V-shaped por-



tion over-lying and being spaced apart from the other arm of the U-shaped portion.

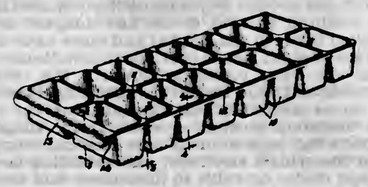
2,481,523
BUILDING MATERIALS OF HIGH ELASTICITY
Charles Mack, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 9, 1946, Serial No. 702,091
1 Claim. (Cl. 106—216)

A flexible and elastic building composition consisting essentially of a fibrous material bonded with a blend having a softening point of at least 160° F. and composed of aluminum naphthenate and asphalt.

2,481,524
QUATERNARY AMMONIUM STEROIDS AND PROCESS
Harold B. MacPhillamy and Caesar R. Scholz, Summit, N. J., assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application September 9, 1946, Serial No. 695,813
11 Claims. (Cl. 260—397.1)

1. A cyclopentano-10:13-dimethyl-polyhydrophenanthrene containing a lower alkyl substituted quaternary ammonium group, the nitrogen atom of the said quaternary ammonium group being bound to a secondary carbon atom.

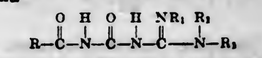
2,481,525
ICE CUBE TRAY
Rogers J. Mott, Evanston, Ill., assignor to Commercial Plastics Company, Chicago, Ill., a corporation of Illinois
Application June 9, 1943. Serial No. 490,152
6 Claims. (Cl. 62—108.5)



1. In an ice cube tray the combination of a plurality of individual cells formed of a plastic material, said cells being arranged in longitudinally and transversely alined rows and being united at their upper margins into an integral unit, each of said cells having walls sloping outwardly and related to the cell bottom at angles of approximately ninety-seven and one-half degrees, each of said cells near the bottom thereof having a narrow ledge formed on the inner face of one of the cell walls, and integral reenforcing members traversing the gap between opposed external surfaces of the walls of adjoining cells in the longitudinal rows, said members being located adjacent to the line of division between said longitudinal rows.

2,481,526
PROCESS FOR FORMING ACYLCARBAMYL-GUANIDINES
Daniel E. Nagy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 15, 1947, Serial No. 741,680
3 Claims. (Cl. 260—404.5)

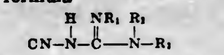
1. A method of preparing a member of the group consisting of an acylcarbamylguanidine of the formula



and an acid addition salt thereof, where



is the residue of an aliphatic acid having a dissociation constant less than 1×10^{-4}, and R_1, R_2 and R_3 are members of the group consisting of hydrogen, alkyl, cycloalkyl and aryl radicals where at least one of such R_1, R_2 and R_3 radicals is hydrogen, which comprises reacting a dicyandiamide of the formula



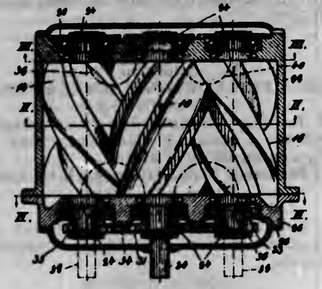
where R_1, R_2 and R_3 are as defined above, with an organic acid of the type defined above in the presence of sulfuric acid.

7. A method of preparing lauroylcarbamylguanidine, which comprises reacting dicyandiamide and lauric acid by adding dicyandiamide to a mixture of lauric acid and sulfuric acid of at least 77.5% SO_3 content, a mol of sulfuric acid being employed per mol of dicyandiamide and the temperature of reaction being maintained below 75° C., adding a base to free the lauroylcarbamylguanidine, and recovering the thus-formed lauroylcarbamylguanidine.

2,481,527
ROTARY MULTIPLE HELICAL ROTOR MACHINE
Hans Robert Nilsson, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application September 29, 1944, Serial No. 556,458
In Sweden June 29, 1944
11 Claims. (Cl. 230—143)

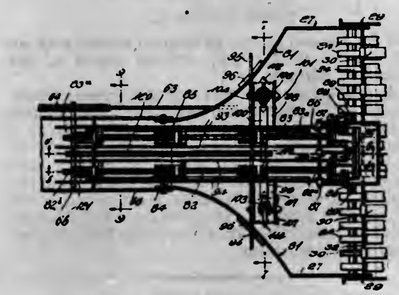
1. A rotary device comprising casing structure having inlet and outlet ports, and a plurality of rotors mounted to rotate in said structure, said rotors having helical lobes and grooves having less than 360° compass angle along the portion of the rotor between the transverse planes of the inlet and outlet ports respectively and comprising a primary rotor and a plurality of secondary rotors, the lobes of certain of said rotors having generally convex profiles and the lobes of certain other of said rotors having generally concave profiles and each of said secondary rotors intermeshing with the primary rotor to provide working chambers each including communicating groove portions of two intermeshing rotors and varying in volume as the rotors rotate, each sec-

ondary rotor intermeshing with said primary rotor to provide a series of said chambers separate



from the chambers provided between the primary rotor and any other of the secondary rotors.

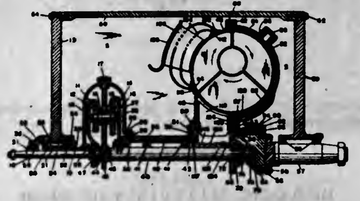
2,481,528
CONVEYER FOR HAY GATHERING AND FEEDING MECHANISM FOR HAY BALERS
Edwin B. Nolt, Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y., a corporation of Delaware
Original application March 9, 1944, Serial No. 525,787. Divided and this application August 1, 1945, Serial No. 608,285
5 Claims. (Cl. 198—167)



4. Hay feeding apparatus comprising a trough-like structure, vertically disposed shaft members journaled adjacent opposite sides of said trough-like structure, a feed wheel carried by each of said shaft members for acting upon hay delivered to said trough-like structure, means for simultaneously driving said feed wheels in opposite directions and inwardly toward each other adjacent the entrance of said trough-like structure for engaging hay and delivering the hay into said trough-like structure, and a pair of endless chain-like members extending longitudinally of said trough-like structure with depending fingers thereon engageable with the hay delivered by said feed wheels for advancing the hay longitudinally of the trough-like structure.

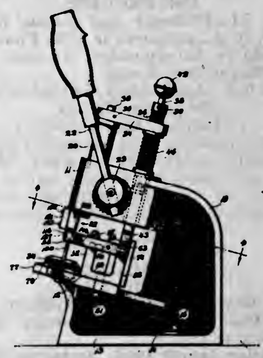
2,481,529
TORQUE CONVERTER DRIVE
Emil F. Norelius, Springfield, Ill.
Application September 21, 1945, Serial No. 617,884
5 Claims. (Cl. 74—677)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a power transmission device, the combination of a transmission case, an epicyclic gear train comprising a driving gear, a driven gear, planet gears engaging said driving and driven gears, a planet carrier, a one-way brake for releasably connecting said planet carrier to said



transmission case, a hydraulic device including a pump wheel, a turbine wheel and a reaction wheel, said pump wheel and reaction wheel being connected respectively to the driven gear and the planet carrier of said epicyclic gear train.

2,481,530
DEVICE FOR AND METHOD OF SETTING SPARK PLUG ELECTRODES
Lewis M. Oden, Sr., Ocean View, Va.
Application August 31, 1944, Serial No. 552,113
22 Claims. (Cl. 153—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

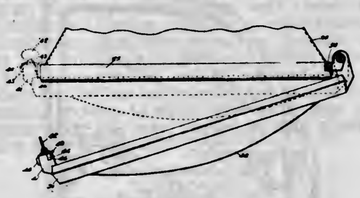


1. A device for adjusting the gap in spark plugs comprising at least two equiangularly spaced feelers mounted on said device and adapted to be inserted between the central and outer electrodes of a spark plug; means operable to simultaneously press the outer electrodes towards the central electrode with said feelers clamped therebetween, the forces exerted by said means against the central electrode forming a closed force diagram without the imposition of any bending moment upon the central electrode; and actuating means on said device operable to first insert said feelers into the gaps and then to actuate said means.

2,481,531
FITTING FOR LIGHTING FIXTURES
Paul D. Phillips, Hendersonville, N. C., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application July 11, 1945, Serial No. 604,338
23 Claims. (Cl. 240—41.55)

1. A lighting fixture of the class described comprising a housing having a formed rim

around its open end, said rim forming an upper gasket seat, a cover having a glass and a metal frame around the periphery of the glass, said frame having a space around the edge of the glass, cementing material in said space to hold and seal the glass therein, said frame having a



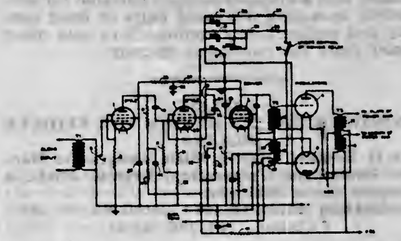
sealed ledge extending inwardly over and out of contact with the glass, said ledge forming a lower gasket seat, a gasket between said rim and ledge seats, and means for clamping said frame to the housing at said rim, gasket and ledge to hold and seal the same without putting the glass under strain.

2,481,532
PROCESS OF MAKING MUSTARD GAS RESISTANT FABRIC
Irving Pöckel, Wellesley, Mass.
No Drawing. Application October 5, 1942, Serial No. 460,817
1 Claim. (Cl. 117—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The process for impregnating a fabric with coatings resistant to mustard gas in its liquid phase, and to other vesicants, that includes the following steps: heating together 50 parts by weight of phthalic anhydride, 50 parts by weight of sebacic acid, 100 parts by weight of dehydrated castor oil fatty acids, and 58½ parts by weight of glycerol; raising the temperature of said first mixture to about 490° F. in about one hour; maintaining said first mixture at said temperature for about one and one-half hours; applying said first mixture to said fabric as a base coating thereon; preparing a second mixture comprising 45 parts by weight of sebacic acid, 55 parts by weight of linseed oil fatty acids, 25 parts by weight of glycerol; heating said second mixture to a temperature of about 465° F.; maintaining said second mixture at said last named temperature for about one and one-half hours; and subsequently applying the resin resulting from said second mixture over said base coating on said fabric.

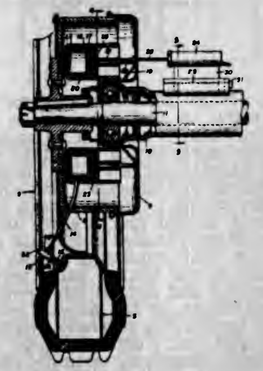
2,481,533
AUDIO AMPLIFIER CIRCUITS FOR RADIO TRANSMITTERS
John H. Pratt, Montreal, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 28, 1944, Serial No. 560,761
In Canada June 6, 1944
7 Claims. (Cl. 179—171)

7. In combination: an audio frequency amplifier stage including an input circuit, an output circuit, and an electron-discharge unit connected between the input and output circuits, said unit including an electron-discharge cathode and an unbypassed resistance return connected to said cathode; a source of signals connected to the input circuit of said amplifier stage; an additional stage having an output circuit and an electron discharge unit including an anode coupled to the output circuit of said amplifier stage; and means for reducing the distortion produced by said stages, said means comprising an inverse feedback circuit connected between the anode of the additional stage and the cathode end of said un-



bypassed resistance return, and said feedback circuit including a resistance which is shunted by a series-connected resistance and condenser to effect a high frequency cut-off by increasing the feedback action at the higher frequencies and limiting the feedback at the highest frequencies where the signals fed back become regenerative.

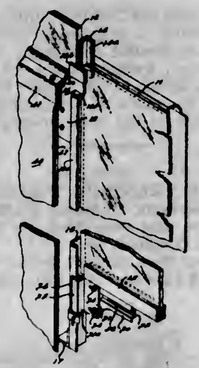
2,481,534
TIRE PRESSURE INDICATOR
Stewart Robertson, Oakland, Calif., assignor of thirty-three and one-third per cent to David Robertson, Oakland, Ill.
Application May 26, 1947, Serial No. 750,394
2 Claims. (Cl. 200—58)



1. In a tire inflation indicator for a motor vehicle having wheels equipped with pneumatic tires, and wherein a brake drum is carried by and rotatable with each wheel, and a stationary closure disc for the brake drum is carried by a stationary member of the vehicle, pressure-responsive circuit-controlling means including an annular-channel member concentrically mounted within and rotatable with the brake drum, an annular elastic diaphragm disposed within and rotatable with said channel member and connected with the tire, annular presser plates slidable in the channel member transversely of the wheel, yieldable means to move the presser plates outwardly upon contraction of said diaphragm, one of said presser plates being disposed at the inner side of said diaphragm and keyed to the channel member, the other pressure plate being disposed inwardly of said one presser plate and slidably connected to said closure disc so as to be held against rota-

tion thereby and to be movable transversely of the wheel relative thereto, anti-friction bearing means between said presser plates, and a multiple signal-circuit controlling switch including a casing mounted on said stationary member of the vehicle and carrying a series of pairs of fixed contacts and a movable contact movable for successively co-acting with said pairs of fixed contacts and mechanically connected to said other presser plate for movement thereby.

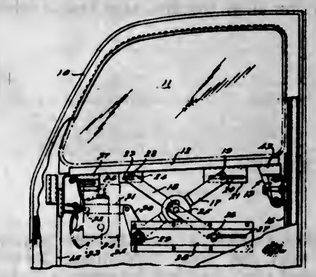
2,481,535
WINDOW GUIDE MECHANISM FOR VEHICLE BODIES
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application March 14, 1944, Serial No. 526,450
4 Claims. (Cl. 296—44.5)



1. In a window guide structure for a window panel shiftable up and down within a window well within which is mounted an upright guide, said window panel having a channel embracing the lower edge thereof, a bracket rigidly secured to said channel and depending therefrom, a second bracket having a vertical portion engaging a vertical side of said first bracket and slidable thereon, a channel shaped guide shoe portion on said bracket, and connecting means extending transversely of the window panel between said vertical portion and vertical side permitting adjusting movement of the second bracket and guide shoe portion in a generally longitudinal direction toward and from said guide, said connecting means comprising vertically spaced bolts extending through longitudinal slots in said second bracket, the slots being longer than the depth of the channel in said guide shoe portion whereby said second bracket is adjustable to disengage said guide shoe portion from said upright guide.

2,481,536
WINDOW GUIDE MECHANISM FOR VEHICLE BODIES
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application October 15, 1945, Serial No. 622,255
8 Claims. (Cl. 296—44.5)

1. In a window guide, a retainer channel adapted to be secured to the edge of a window panel, a bracket depending from one end of the channel, a member shiftably mounted on said bracket for movement in a general direction longitudinally of the channel, a guide shoe secured to said member, spring means urging said member and shoe in an outward direction, and a device free of operative engagement with said spring means for releasably locking said mem-

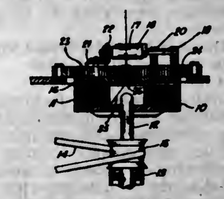


ber in retracted position to the bracket against the effort exerted by said spring means, said device being releasable to unlock said member and bracket and to permit said spring means automatically to shift said member and the guide shoe in an outward direction.

2,481,537
PROCESS FOR RECTIFICATION OF CRUDE ALKALOIDS
Silvio E. Ronzone, Placerville, Calif., and Norman Applezweig, New York, N. Y.
No Drawing. Application April 25, 1946, Serial No. 664,869
2 Claims. (Cl. 260—284)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

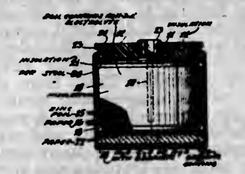
2. A process for rectifying crude totaquine comprising forming a saturated solution of said totaquine in one normal hydrochloric acid, adjusting the pH of the saturated solution upwardly with ammonium hydroxide to 6.5, filtering to remove the precipitated extraneous materials, treating the filtrate with ammonium hydroxide to raise the pH between 7.5 and 8.0, removing the precipitated totaquine by filtration, reacidifying the filtrate and directing it through an ion exchanger, converting the alkaloids to bases with alkali by passing an aqueous solution of an alkali base through the ion exchanger until the alkaloid-bearing bed of ion exchange material contained therein becomes alkaline and the alkaloids are converted to their natural bases, stripping the alkaloid from the exchanger with ethyl alcohol, and recovering the alkaloid from the alcohol.

2,481,538
TWISTING MEANS
William Rowedder, New York, N. Y.
Application April 11, 1947, Serial No. 740,758
2 Claims. (Cl. 57—59)



1. A twisting apparatus, comprising a driving shaft, a fibre container axially aligned and connected to said driving shaft, supporting means for said driving shaft, means connected with said shaft for imparting rotary motion thereto, a fixed table with circular aperture formed therein, said aperture having gear teeth disposed around the periphery thereof, said fibre container comprising a cover, delivery rollers upon said cover, said fibre container further comprising means passing a strand from said fibre container through said cover and through said delivery rollers, at least one gear connected to said rollers and one gear disposed on the top surface portion of said cover imparting motion to said bevel gear, said gear meshing with the gear formed in said aperture of said fixed table.

2,481,539
METHOD OF MAKING DEPOLARIZER UNITS FOR ALKALINE PRIMARY CELLS
Samuel Ruben, New Rochelle, N. Y.
Application May 10, 1943, Serial No. 486,367
6 Claims. (Cl. 136—107)



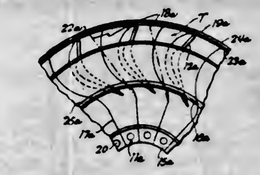
6. In the manufacture of electric current producing cells, the steps which comprise compressing a predetermined amount of a depolarizer composition into a pellet, placing the pellet in a metal container having dimensions in excess of said pellet, and consolidating the depolarizer with said metal container by placing said pellet into said container and compressing same at a pressure greater than that employed in initially forming said depolarizer into a pellet.

2,481,540
METHOD OF PREPARING A PRIMARY AROMATIC AMINE DERIVATIVE OF GELATIN BY REACTION OF GELATIN WITH ISATOIC ANHYDRIDE AND PRODUCT THEREOF
John Russell and Robert Eliot Stauffer, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 13, 1947, Serial No. 768,512
6 Claims. (Cl. 260—117)

5. A method of preparing a gelatin derivative containing an amino group which comprises mixing a solution of gelatin with isatoic anhydride at a pH of 9.5–10.5.

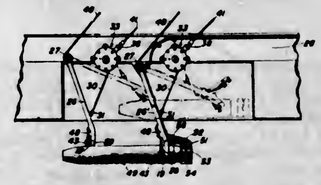
2,481,541
BLADED WHEEL
Adolf G. Schneider, Muncie, Ind., assignor to Schneider Brothers Company, a copartnership
Application June 7, 1944, Serial No. 539,161
5 Claims. (Cl. 103—115)

1. As an article of manufacture, a wheel for a bladed wheel unit, such as a torque converter, fluid coupling, or the like, said wheel comprising a body built up of separately cast segments, each segment consisting of a streamline shaped blade having cast integral therewith an annular portion of a substantially circularly shaped fluid channel defining wall, and an annular shell within which the cast segments are assembled in mating relation and secured in place, the parting lines between neighboring segments all departing from radial lines with respect to the center or



axis of rotation of the wheel to an extent that the neighboring segments interlock so as to reduce likelihood of displacement of segments under centrifugal force.

2,481,542
DISPLACEMENT LAUNCHER FOR PROJECTILES
Garret L. Schuyler, United States Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application August 13, 1946, Serial No. 690,193
(3 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

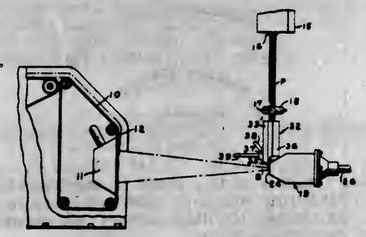


1. In combination with an aircraft having a bomb bay, projectile displacing apparatus operable in said bomb bay for supporting and guiding a rocket which has igniter contact rings and a trunnion, said apparatus including an arm having a fork at its outer end to receive the trunnion and aid in the support of the rocket in the bomb bay, a pivot in the bomb bay for the inner end of the arm, on which pivot the arm is swingable between inner and outer limits of angular movement at which the rocket assumes recessed and exposed positions in reference to the bomb bay, and a contact bracket carrying the contacts of an electrical circuit, said bracket extending rigidly off from the arm and establishing wide separation of its contacts from the igniter contact rings at the inner limit of movement of the arm but making progressively closer approach to said rings and final engagement therewith as the rocket nears and reaches the outer limit of movement of the arm.

2,481,543
METHOD AND APPARATUS FOR PRODUCING GLASS FIBERS
Charles J. Stalego, Newark, N. J., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application April 30, 1947, Serial No. 744,989
15 Claims. (Cl. 49—1)

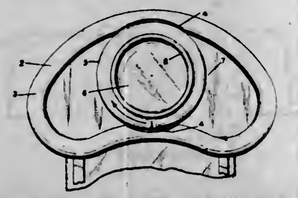
10. Apparatus for producing glass fibers, comprising a burner having a chamber in which a combustible gaseous mixture is burned and hav-

ing a restricted outlet opening in one end wall of the chamber through which the products of combustion are discharged in the form of an intensely hot high velocity blast, said outlet opening being elongated in the direction of the width



of the chamber and having a length exceeding the chamber width to provide a relatively wide blast, and means for feeding glass rods endwise into the blast from one side of the latter with the rods arranged in side by side relationship across the blast.

2,481,544
COMBINATION DISH AND TRAY
Opie L. Waggoner, Prineville, Oreg.
Application September 3, 1947, Serial No. 771,853
1 Claim. (Cl. 65—54)

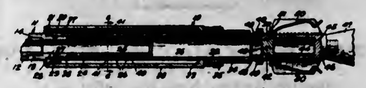


The combination of an elongated tray having a vertical edge flange, the flange having oppositely curved, substantially circular, notched portions in opposing inside vertical faces of the flange at the central portion of the tray, a generally round dish including a non-circular slightly elongated somewhat elliptical peripheral lower portion having a longer diameter for tightly engaging the opposite surfaces of the oppositely notched portions in the flange when said dish is turned to one position, said lower dish portion having a shorter diameter so that when the dish is turned to another position removal of the dish is easily accomplished.

2,481,545
DRILLING FLUIDS AND METHODS OF USING THE SAME
Cary R. Wagner, Utica, Ohio, and Martin A. Ryan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 11, 1947, Serial No. 768,070
9 Claims. (Cl. 252—8.5)

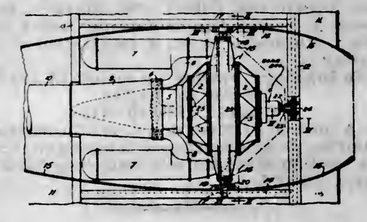
1. In a process of drilling wells comprising the steps of drilling the well with well drilling tools, and circulating through the well during said drilling an alkaline water base drilling mud having a pH of 7.8 or greater which forms a filter cake on the wall of the well, the improvement comprising incorporating in said drilling mud an alkali soluble aluminum carboxyalkylcellulose selected from the group consisting of aluminum carboxymethylcellulose and aluminum carboxyethylcellulose in an amount sufficient to reduce water loss due to filtration through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent that it cannot be circulated.

2,481,546
PROJECTILE LAUNCHER
Brooks Walker, Piedmont, Calif.
Application May 7, 1945, Serial No. 592,438
7 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A projectile launcher for firearms comprising a launcher adapted to be mounted on the barrel of a firearm to extend forwardly of the muzzle thereof and in gas-tight connection with the bore of said barrel, said launcher including a reciprocably mounted member adapted to be projected by expanding gases from the bore of said barrel, means for releasably mounting a projectile on the outer end of said member, and means including said member and responsive to a predetermined forward movement of said member for receiving trapping and compressing a part of the propelling gases, said gases acting to stop the outward movement of the member and to thereby launch the projectile therefrom by inertia.

2,481,547
GAS TURBINE MOUNTING
Daniel Norman Walker, Ashby Parva, near Rugby, and William Evelyn Patrick Johnson, Hampstead, London, England, assignors to Power Jets (Research and Development) Limited, London, England
Application August 21, 1945, Serial No. 611,742
In Great Britain February 14, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 14, 1962
14 Claims. (Cl. 60—41)



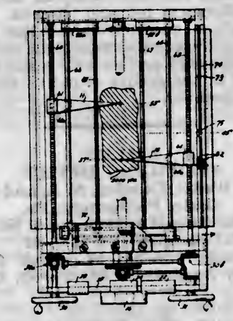
7. A power unit comprising a compressor, a gas turbine coaxial therewith, and combustion means disposed symmetrically about the axis thereof and enclosing a major portion of the compressor-turbine structure, said turbine exhausting rearwardly and along said axis for jet propulsion, a pair of trunnions extending oppositely from the casing of said compressor on a common diameter and permitting freedom of movement to said structural part at least in one direction along the trunnion axis, and further attachment means to constrain the unit against angular motion about said diameter and not otherwise to constrain it.

2,481,548
RECOILING BARREL FIREARM WITH A BREECH BOLT AND BREECH BOLT CARRIER
Edwin H. Waltke, Jr., Los Angeles, Calif.
Application March 23, 1948, Serial No. 16,551
20 Claims. (Cl. 89—162)



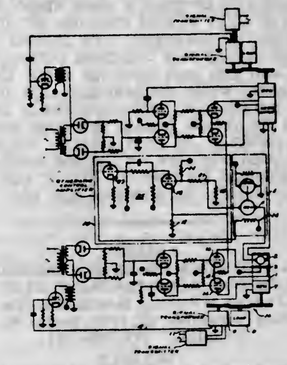
18. A firearm operated by recoil, comprising a barrel, a receiver reciprocally supporting the rear end portion of the barrel, a bolt carrier longitudinally reciprocally mounted within the receiver at the rear end of the barrel, a bolt mounted in the carrier and longitudinally shiftable with respect thereto, and a recoil spring positioned with its forward end against the carrier and its rear end bearing against the rear end portion of the receiver, said spring being compressible, upon the recoil of the barrel and the carrier, into a space surrounding the longitudinal axis of the bolt.

2,481,549
RIGHT TRIANGLE SOLVING DEVICE
Charles W. Ward, Bradenton, Fla.
Application July 24, 1946, Serial No. 685,885
3 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



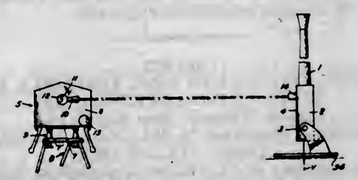
1. Means for solving the equations $A=D \sin E$ and $G=D \cos E$ comprising a plurality of conducting strips each representing a value of A, means providing an area defined by rectangular coordinates, each of said strips being insulated from the others and positioned in said area in such a way as to form the locus of all points having as coordinates values of D and E which satisfy the first-mentioned equation for the value of A represented by the strip, a resistor, means for connecting the strips to said resistor at intervals of equal resistance, a first and a second contacting means, adjusting means for moving said first contacting means to any point in said area, said adjusting means at the same time moving said second contacting means in such a way that its coordinate along the D axis is the same as that of the first contacting means and its coordinate along the E axis is equal to ninety degrees minus the value of E to which the first contacting means is set, spring means for biasing both contacting means to an inoperative position, a source of current and a current indicating means calibrated to read values of A and G connected between one end of said resistor and ground, and selective means working against the spring means for bringing one or the other of said contacting means into operative position and connecting the operative contact to ground.

2,481,550
SERVOMOTOR ARMATURE CURRENT CONTROL
Walter T. White, New Hyde Park, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 15, 1946, Serial No. 676,899
15 Claims. (Cl. 318—30)



2. A servo-motor armature current control system comprising a field controlled servo-motor with separate armature, a field controlled generator powering said servo-motor armature, an error signal transmitter effecting a signal indicative of servo-motor load condition and connected to control said servo-motor field, means producing a voltage varying with servo-motor load as indicated by said error signal transmitter, and an electronic control means active on the field of said control generator and responsive to the voltage produced in said first mentioned means thereby controlling generator output in response to servo motor load variations.

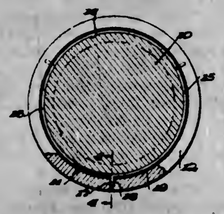
2,481,551
METHOD OF INITIALLY PLACING THE TRAIN AND ELEVATION AXES OF A GUN IN PARALLELISM WITH THE CORRESPONDING AXES OF THE SIGHTS OF ITS DIRECTOR
Craig G. Williams, Schenectady, N. Y.
Application March 29, 1946, Serial No. 658,198
2 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. That method of parallelizing the horizontal elevation and bore axes of a gun with the horizontal elevation axis and line of sight, respectively, of a telescope of a remote director hori-

zontally spaced therefrom, said gun and director being rotatable about vertical, spaced, train axes, comprising, moving said elevation axes into approximate parallelism, elevating said gun until the plane of a reflecting surface thereon parallel to the bore and elevation axes of said gun, is approximately normal to a line concurrent with and perpendicular to said elevation axes, pivoting such director and telescope to direct the line of sight of said telescope toward said surface, adjusting said director, telescope and gun until coincidence is effected between a reticle in said telescope and its image as reflected by said surface, as viewed through said telescope, to thereby establish precise parallelism between said elevational axes, elevating said telescope about its horizontal axis through a right angle, deflecting the line of sight of said telescope 90° in a plane normal to the horizontal axis thereof to direct the same toward said reflecting surface, and adjusting said gun and telescope about their horizontal axes, while maintaining said horizontal axes in parallelism, until coincidence is effected between the reticle in said telescope and its image as reflected by said surface when viewed through said telescope, to thereby establish precise parallelism between the line of sight of said telescope and the bore axis of said gun.

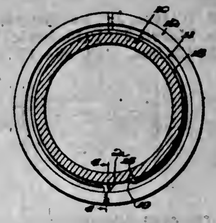
2,481,552
PISTON AND LOCKED RING ASSEMBLY AND PISTON RING LOCKING CLIP
Judson Williams, Ben Salem, Pa.
Application November 19, 1946, Serial No. 710,882
2 Claims. (Cl. 309—44)
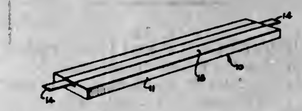


1. In an assembly of the character described, the combination of a piston having a ring groove, a piston ring disposed in said groove to define a circular clearance space between the inner periphery of the ring and the bottom wall of said groove, a split annular body member gripping the piston at the bottom of said groove for frictionally locking said member against rotation on the piston, said member being partially disposed out of said clearance space, and a radial stop pin extending from one end of said body member across said clearance space to engage said ring and lock it against creeping movement, said pin embodying the sole part crossing said space to retard the flow of oil circumferentially therein.

2,481,553
PISTON AND LOCKED RING ASSEMBLY AND PISTON RING LOCKING CLIP
Judson Williams, Ben Salem, Pa.
Application December 23, 1947, Serial No. 793,410
1 Claim. (Cl. 309—44)

An assembly of the character described including a piston having a ring groove, a piston ring disposed in said groove, and a split resilient annulus countersunk in the bottom wall of said groove yieldably gripping the piston and provided at one end with an anchoring stud penetrating the piston to lock said annulus against creeping circumferentially of the piston and at its opposite end with a stop pin engaging said ring and locking the ring against rotation.

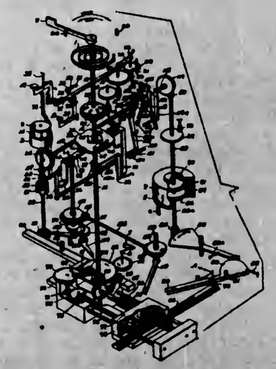


2,481,554
THERMOPLASTIC FILM HEAT SEALING ELEMENT
Thomas W. Winstead, Baltimore, Md.
Application December 17, 1946, Serial No. 716,800
15 Claims. (Cl. 201—64)



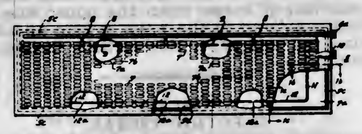
1. Apparatus for heat bonding thermoplastic film comprising a member having a grooved pressing surface, an electrical heating element in the groove, and electrical insulation on the groove and flush with said surface and seating the heating element in the groove adjacent the said surface of the member.

2,481,555
AVERAGING DEVICE
Francis A. Wodal, Camden, N. J., and Harry M. Crain, Phillipsburg, Pa.
Application August 4, 1944, Serial No. 548,132
11 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An averaging device for indicating the average position of a rotatable element during a time interval, comprising a scale for said rotatable element, a constant speed motor including a spring by which the motor is energized, manual spring charging means, starting and stopping means for said motor, a gear driven by said motor, a change-speed drive means for moving a drive pin in one direction, said drive means being driven from said gear and having control means connected by a clutch for adjustment by movements of said rotatable element, a constant speed drive means driven from said gear for imparting movement to said drive pin at an oblique angle to said one direction, a movable indicator scale having a stationary reference point, releasable coupling means between said scale and said rotatable element including a planetary differential gear means for setting both scales to the same readings, means for releasing said coupling operated by said starting means, and means for operating said planetary gear means to turn said movable scale in accordance with the motion of said drive pin to continuously indicate an average reading on said scale, of the indications on the rotatable element scale during the interval of operation of the motor.

2,481,556
EVAPORATOR STRUCTURE
Waldemar M. Wohl, Cleveland, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application October 17, 1945, Serial No. 622,821
3 Claims. (Cl. 62—126)

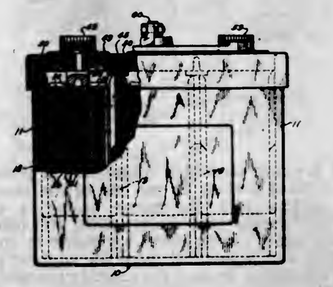


1. An evaporator for a volatile refrigerant consisting of relatively thin metallic sheets secured together along their marginal edges, one of said sheets being embossed outwardly parallel and adjacent to the upper marginal edges of said sheets to form a conduit for vapor, an outlet at one end of said conduit adapted to be connected to a compressor, one of said sheets being embossed laterally parallel and adjacent to the lower connected-together marginal edges of said sheets to form a flow channel therebetween, a device between said sheets parallelly spaced from that end of the evaporator adjacent said outlet and extending from the upper connected-together marginal edges to the adjacent end of said flow channel to form a supply channel for the latter, an inlet for liquid refrigerant connected to said supply channel, one of said sheets throughout the area between said conduit and said flow channel, said device and the connected-together marginal end portion remote from said device having laterally disposed embossments arranged in parallel horizontal and vertical rows and forming between them horizontal and vertical circulation channels for the liquid refrigerant, and spaced portions of said sheets elongated parallel to said conduit and between said conduit and the upper horizontal row of embossments being secured together to form outlet ducts leading from said vertical circulation channels to said conduit.

2,481,557
SEPARATION OF ACONITIC ACID FROM MOLASSES
Joseph A. Ambler and Earl J. Roberts, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 4, 1947, Serial No. 726,448
2 Claims. (Cl. 260—527)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of separating aconitic acid from sugarcane molasses containing free and combined aconitic acid, comprising adding calcium hydroxide to the molasses to produce a mixture having a pH from 6.0 to 7.0, adding calcium chloride and a magnesium salt selected from the group consisting of magnesium chloride and magnesium sulphate to the molasses in an amount sufficient to increase the calcium and magnesium ions in the mixture at least to the extent that the total quantity of calcium and magnesium ions present therein is sufficient to react and combine with all the free and combined aconitic acid present in the original molasses to form complex calcium-magnesium aconitate, in case the magnesium salt is magnesium chloride it being added not later than addition of the calcium chloride, and in case the magnesium salt is magnesium sulphate it being added before addition of the calcium chloride, and heating the resulting mixture to precipitate the formed insoluble complex calcium-magnesium aconitate.

2,481,558
STORAGE BATTERY WITH NOTCHED PARTITION
George C. Appel, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application August 21, 1947, Serial No. 769,838
6 Claims. (Cl. 136—166)



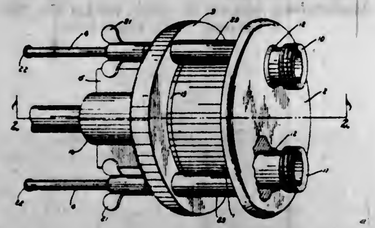
2. A storage battery case of the multi-compartment type comprising end and side walls and a partition partially dividing the case into compartments, the side walls having niches formed therein over said partition, said partition having a notch centrally therein from the upper edge thereof and end surfaces from the notched sides to the side wall surfaces, and a bridge member fitting into the side wall niches and resting on the end surfaces of said partition for bracing the side walls and for bridging over the partition notches.

2,481,559
TETHERING DEVICE
Earl H. Ashbaugh, Petaluma, Calif.
Application July 12, 1947, Serial No. 761,242
2 Claims. (Cl. 119—121)



1. A tethering device comprising a circular anchor plate; a conical screw mounted on the under side of said plate and arranged to penetrate the ground to secure said plate thereto; a vertically disposed flexible, telescopic pole flexibly connected to the upper side of said plate; and a leash shorter than said pole suspended from the top thereof.

2,481,560
SANITARY PUMP
William E. Bakewell, Cedar Falls, Iowa, assignor to Viking Pump Company, Cedar Falls, Iowa, a corporation of Iowa
Application May 31, 1947, Serial No. 751,555
8 Claims. (Cl. 103—126)



1. A pump structure comprising a pump casing, a head portion at one end of the pump casing sealing with the pump casing, a support bracket closing and sealing with the other end of the pump casing, bolts anchored in the head portion and passing through the support bracket and extending beyond the support bracket a substantial distance and nuts on the bolts drawing the pump casing, head portion and support bracket into assembled position.

2,481,561
GARMENT FORM
Aida T. Beall, Baltimore, Md.
Application May 9, 1947, Serial No. 746,990
1 Claim. (Cl. 223—68)

In an adjustable and collapsible garment form, a main central back section and side sections secured along the side edges of the back section, said sections having spaced lines of openings formed adjacent to the upper edges thereof, a front waist section providing a central upwardly extended pointed portion, a substantially triangular chest section with one of its ends directed downwardly towards and in a direct line with the pointed portion of the waist section, upper front sections having lines of openings formed along the inner edges thereof cooperating with openings in the chest section and waist section in receiving securing members adjustably connecting the sec-



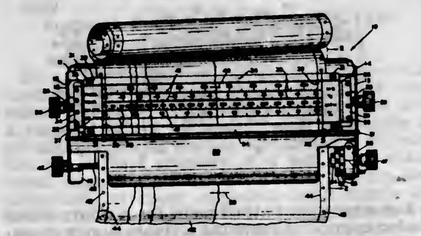
tions, and said upper front sections having gussets extending inwardly from the inner lower side edges thereof whereby said upper side sections assume bulged shape when the upper side sections are secured to the waist section and chest section and said upper side sections having arm openings.

2,481,562
ELECTRIC FILTER
Christopher Edmund Gervase Bailey, Bournemouth, Hants, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application August 23, 1945, Serial No. 612,273
In Great Britain September 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 4, 1961
9 Claims. (Cl. 171—97)



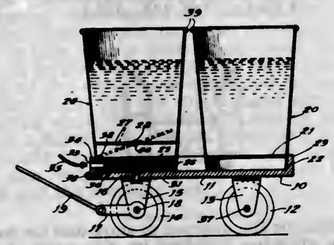
1. Electrical apparatus for separating a current component of selected frequency from a composite current including a plurality of superimposed currents of different frequencies, comprising a polarity reversing member responsive to the selected frequency of said current for producing a cyclically varying current of constant polarity, a filter network coupled to said polarity reversing member for removing the cyclical variations in said cyclically varying current, and a second polarity reversing member coupled to said filter network for alternately reversing the polarity of the current derived from said filter network in synchronism with said first polarity reversing member.

2,481,563
CHART EVALUATOR
James E. Bevins, Ramsey, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application February 14, 1946, Serial No. 647,481
6 Claims. (Cl. 33—1)



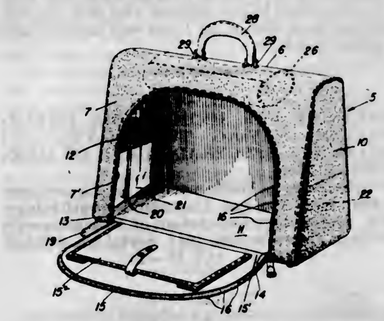
1. A chart evaluator comprising a support for a chart, an elastic scale marked in scale graduations and with alignment reference points at both ends of said scale, means for varying the length of said scale for bringing into coincidence the two reference points on said scale with two similar reference points recorded on the chart, means for advancing the chart through said evaluator, a time mechanism driven by said chart advancing means, a time reference point associated with said scale adapted to be aligned with a similar time reference point recorded on said chart, said time mechanism being adapted to be set with the known time of the time reference recordation whereby the time any point was recorded on said chart will be indicated by said time mechanism upon coincidence of the recorded point with said scale as said chart is advanced through said evaluator.

2,481,564
PHYSIOTHERAPY APPARATUS
Axel K. Bjorkman, Waukegan, Ill.
1 Claim. (Cl. 4—178)
Application February 2, 1946, Serial No. 645,060



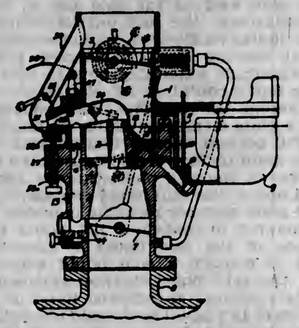
A physiotherapy apparatus especially adapted for the treatment of arthritis of the hands and feet and comprising a portable cart including a wheel-bearing horizontally extending supporting base having an upstanding retaining wall extending around the marginal edge of the base, a pair of substantially elliptical-shaped liquid containers co-axially arranged upon the supporting base of the said portable cart, within the said upstanding retaining wall thereon, and with their long axes arranged at substantially a right angle to the front to rear axis of the said portable cart, each of the said liquid containers including a vertically extending side wall and the said vertically extending side walls having their lower-end portions fitting within the said upstanding retaining wall and retained thereby against sliding or tipping movement upon and relative to the said horizontally extending supporting base of the said portable wheel bearing cart, one of the said liquid containers including a horizontally extending bottom wall extending thereacross above the lower end portion of the vertically extending side wall of the said one of the said liquid containers, the said physiotherapy apparatus including an electrical circuit embodying an electrical heating element disposed below the said horizontally extending bottom wall of the said one liquid container for electrically heating liquid therein, the said one liquid container including a plate member rockably mounted in the lower end portion thereof and adapted to support the hand or foot of the user rested thereon during use of the said physiotherapy apparatus, the said one of the said liquid containers having the said plate member rockably mounted therein being adapted to contain a hot liquid and the other one of the said liquid containers being adapted to contain a cold liquid whereby the user of the said physiotherapy apparatus may alternately subject an affected hand or foot to the action of hot liquid in the said one liquid container, agitated by the action of the affected hand or foot in rocking the said plate member, and to the action of a cold liquid in the said other one of the said liquid containers.

2,481,565
TRAVELING BAG HAVING TOP-WALL-SUPPORTED COMPARTMENT WHICH REMAINS HIDDEN WHEN SIDE-WALL CLOSURE IS OPENED
Abraham Borets, Bronx, N. Y.
Application January 29, 1948, Serial No. 5,063
2 Claims. (Cl. 190—51)



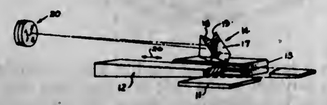
1. In a traveling bag having a top, handle, end walls, a bottom, and a pair of depending side walls providing a continuous space therebetween for the reception and storage of articles; said top having mounted therebeneath a reinforcing bar, a relatively flexible band having opposite free ends with separable closure parts and forming a cylindrically shaped compartment positioned contiguous the top and within the continuous space between the side and end walls; one of the side walls having an access opening provided with a let-down flap, the top of the access opening being spaced beneath the bottom of said compartment whereby said compartment is not visible when the flap is let down, the bottom of said flap having a hingelike fold coextensive with the bottom of the side wall, said flap when let down affording selective access to the interior of the bag or to said compartment.

2,481,566
CARBURETOR
Leonard D. Boyce, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 28, 1946, Serial No. 657,859
7 Claims. (Cl. 48—107)



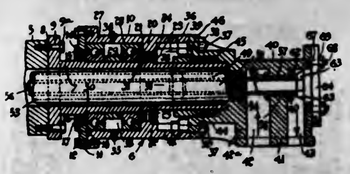
7. In a carburetor, a mixture conduit having a throttle valve therein, an elongated Venturi tube in said conduit, an idling fuel passage including an elongated and enlarged chamber portion, a main fuel nozzle discharging into the anterior portion of said Venturi tube, an auxiliary air passage also discharging into the anterior end of said Venturi tube and having a connection to said idling chamber, an auxiliary fuel supply for said air passage, means to ignite the fuel and air in said air passage for supplying hot gases to said Venturi tube and said idling chamber to aid, respectively, in vaporizing the main and idling fuel supplies, and a valve in said auxiliary passage between said idling passage and said conduit preventing back flow of air from said conduit into said idling chamber.

2,481,567
INSTRUMENT FOR HEMOGLOBIN DETERMINATION HAVING TWO FILTERS TO MATCH THE SPECTRAL CURVE OF OXYHEMOGLOBIN
Morden G. Brown, Williamsville, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 26, 1945, Serial No. 637,229
8 Claims. (Cl. 88—14)



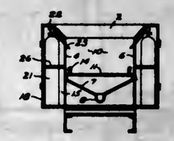
1. An instrument for determining the concentration of hemoglobin in the blood comprising a specimen holder for supporting a layer of oxyhemoglobin of predetermined thickness and an adjustable optical wedge arranged for simultaneous observation of their comparative brightness through viewing means, said wedge being formed of cobalt glass having an absorption curve in the central portion of the visible spectrum which approximates the absorption curve of oxyhemoglobin, and said viewing means being provided with a filter for substantially absorbing from the light used in said viewing means the portions of the visible spectrum shorter than about 500 to 510 millimicrons and longer than about 550 to 570 millimicrons.

2,481,568
STEAM JOINT
Russell Carpenter, Three Rivers, Quebec, Canada
Application June 7, 1947, Serial No. 753,275
4 Claims. (Cl. 285—10)



1. A steam joint attachment for a rotary steam heated cylinder comprising a steam supply chamber and a condensate receiving chamber separated by an intervening partition wall having a syphon pipe opening therein in line with a larger steam supply opening provided in a side wall of the steam supply chamber, a steam supply pipe having one end supported in said steam supply opening and adapted to extend therefrom into an interior of the steam heated cylinder, a syphon pipe passing through said steam supply pipe and extending beyond opposite ends of said steam supply pipe, said syphon pipe having one end supported in said syphon pipe opening by adjusting means operable to effect longitudinal adjustment of the syphon pipe and supporting lugs carried by an intermediate portion of the syphon pipe and bearing against the delivery end and the adjacent inner surface of the steam pipe and adapted to be clamped against said delivery end of the steam supply pipe by longitudinal adjustment of the syphon pipe.

2,481,569
VEHICLE FOR THE DISPOSAL OF SNOW AND ICE
Alex J. Cayas, Glendale, Calif.
Application October 20, 1947, Serial No. 780,878
1 Claim. (Cl. 126—343.5)

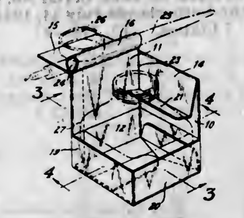


A vehicle for the disposal of snow and ice comprising a chamber bounded by side walls and a floor, an imperforate plate onto which snow and ice are fed, said plate disposed substantially horizontally across said chamber and above said floor, a source of fuel and a nozzle connected therewith for directing the fuel into the chamber space above said plate for combustion in said space whereby to transform into liquid the snow and ice supported by said plate, said plate having edges of such formation as to be in engagement with said side walls at the corners of the plate and to be spaced from said side walls between two adjacent corners, the space thus created constituting a straining passage for the liquid thus formed, and a drain conduit connected to said floor for receiving the resultant liquid flowing from said plate through said passages.

2,481,570
REFINING OF LIQUID HYDROCARBONS
Alfred Champagnat, Paris, France, assignor to Societe Generale des Huiles de Petrole, Paris, France, a corporation of France
No Drawing. Application February 20, 1947, Serial No. 729,889. In Great Britain August 5, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 5, 1959
1 Claim. (Cl. 196—32)

In a refining process for liquid hydrocarbons involving the extraction of the mercaptans contained therein by washing said hydrocarbons with a reagent formed by a solution of hydroxide of an alkaline metal containing solutizers therein, the use as said solutizer of a salt of an alkali metal from the group consisting of sodium and potassium, of those sulphonic acids which are present in the acid tars forming a by-product of the distillation products of crude petroleum oils, the suitable distillation range of such petroleum distillates being comprised between 120° and 300° C.

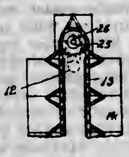
2,481,571
CARTON FOR INK BOTTLES
Raymond Chemlinski, Schenectady, N. Y.
Application November 4, 1946, Serial No. 707,553
3 Claims. (Cl. 120—57)



1. A carton for ink bottles including four upright walls having extending flaps to form, by overlapping when the carton is in its closed position the bottom and the top thereof, two of the adjoining walls being slit on a horizontal line spaced from the bottom, to permit when the carton is open at top parts of the walls above the line to be pushed inwardly till the vertical juncture of two said walls substantially meets the diametrically opposite juncture of the two remaining walls, the top flap of one of said walls being adapted to be looped upon itself to form a retaining loop for a pen holder, the free end of the flap being frictionally held between last said wall and the abutting one.

2,481,572
MOTOR CONTROL SYSTEM
Hugh Hall Conacher, Spring Hill, Birmingham, England, assignor to Messrs. Waldall & Assembly Limited, Birmingham, England
Application October 13, 1945, Serial No. 622,121
In Great Britain November 4, 1944
10 Claims. (Cl. 318—162)

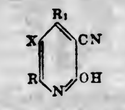
2. A motor driven electric switch device for a rotary member comprising a rotatably mounted circuit making and breaking switch, means coacting with said switch for breaking an electric circuit at a predetermined position of its rotation, an indicator on the said switch coupled to be driven in unison with said rotary member the movement of which is controlled by the said electric circuit, means for disconnectably coupling said device with said indicator for adjusting the relative angular position of same, means for rotating step by step the said rotatably mounted circuit making and breaking switch said motor comprising a device which controls the current driving said motor to pass alternately through the motor by way of two circuits which are alternately made and broken by the step by step movement of the circuit making and breaking switch, spaced contacting strips disposed at intervals around said indicator, two sets of two contacts over which the said strips wipe and arranged so that whilst one set is bridged by a strip the other set is insulated by an insulating space between two strips and one set of contacts being in circuit with one of said circuits of the switch driving motor and the other set being in circuit with the other of said circuits, means for controlling the switch driving motor to drive forward or reverse comprising a circuit making and breaking device in the form of a drum having two slip rings entirely around the drum and two rings each divided into two halves insulated from one another, the four rings wiping over contacts connected to



the fields and armature windings of a reversing electric motor, the slip rings being interconnected so that the current passes in one direction when the half rings on one side of the drum are wiping over the contacts and reversed when the opposite half rings are wiping over the contacts, and means for controlling a conveyor driving electric motor comprising a slip ring entirely therearound, a contact wiped over by the ring, a particular slip ring on the drum and contacts on diametrically opposite sides of the drum over which the said part ring wipes so that in one position neither contacts bear on the part ring, and a solenoid switch in circuit with the first mentioned contact and one contact of the second mentioned contacts and a solenoid switch in circuit with the first mentioned contact and the other of the second mentioned contact, the solenoid switches controlling the forward and reverse drive of the electric motor driving the conveyor.

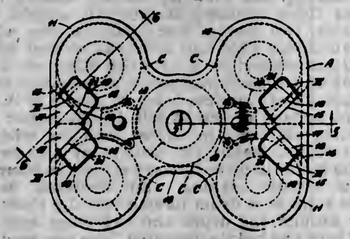
2,481,573
SUBSTITUTED PYRIDINE COMPOUNDS
Harry W. Coover and Norman J. Bowman, Rochester, N. Y., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 11, 1945, Serial No. 604,536
8 Claims. (Cl. 260—297.5)

4. A compound having the formula:



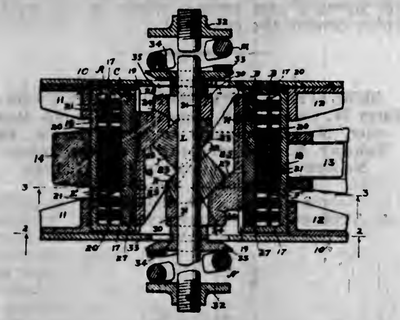
wherein R is an alkyl group, R_1 is a radical selected from the group consisting of alkyl and alkoxymethyl and X is a radical selected from the group consisting of hydroxyl and radicals readily hydrolyzable to a hydroxyl group.

2,481,574
COMBINED SPRING AND FRICTION SHOCK ABSORBING MECHANISM
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 11, 1946, Serial No. 696,267
5 Claims. (Cl. 267—9)



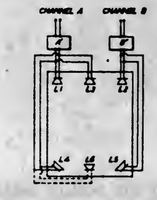
1. In a friction shock absorbing mechanism interposed between a pair of relatively movable members to yieldingly resist relative approach thereof, the combination with opposed end follower plates; of a lengthwise extending friction element of V-shaped, transverse cross section rigid with one of said plates, said element presenting laterally diverging, vertically extending friction surfaces; a pair of lengthwise extending friction members having sliding engagement with the respective friction surfaces of said element, said members having the laterally projecting base portions in rocking engagement with the other follower plate; and spring means interposed between and engaging said plates, said spring means overlapping the base portions of said friction members to rock the latter into tight frictional engagement with the friction surfaces of said element.

2,481,575
FRICTION SHOCK ABSORBING MECHANISM FOR RAILWAY DRAFT RIGGINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 23, 1947, Serial No. 781,717
6 Claims. (Cl. 213—22)



2. In a shock absorbing mechanism, the combination with a pair of follower plates relatively movable toward and away from each other lengthwise of the mechanism; of a transversely extending guide bar between said follower plates; a pair of combined wedge and friction members at opposite sides of the mechanism slidingly supported on said bar for movement lengthwise thereof, each of said combined members having a friction surface extending transversely of the mechanism and slidingly engaging the corresponding follower plate, each of said combined members having a laterally inwardly facing wedge face, the wedge faces of said combined members being respectively at opposite sides of the mechanism; a pair of laterally abutting wedge blocks on said guide bar and held thereby against movement with respect thereto in a direction lengthwise of the mechanism, said wedge blocks being embraced between the wedge faces of said combined members and having wedge faces in sliding wedging engagement with the faces of said combined members; springs at opposite sides of the mechanism supported on said guide bar, each of said springs bearing at one end on the corresponding combined member; and fixed spring abutments on the outer ends of said guide bar bearing on the outer ends of said springs.

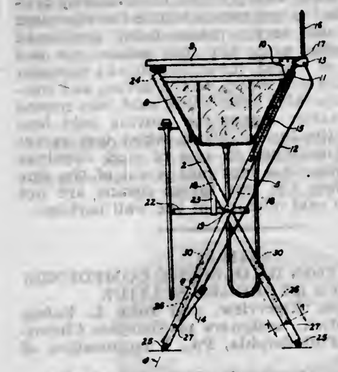
2,481,576
DEVICE FOR STEREOPHONIC SOUND TRANSMISSION IN TWO CHANNELS
Kornelis de Boer, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 10, 1946, Serial No. 660,873
In the Netherlands July 14, 1944
7 Claims. (Cl. 179—1)



1. A stereophonic system for an auditory, said system comprising a plurality of independent channels for transmitting stereophonic sound signals derived at spaced positions from a common sound source, a plurality of sound reproducers positioned in spaced relation at one end of the auditory and coupled to the respective channels, and at least one additional sound reproducer positioned at the opposing end of said auditory and coupled to a respective channel.

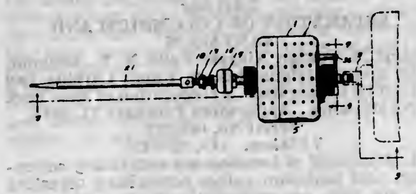
2,481,577
INFANT'S FOLDING BATH STAND AND DRESSING TABLE
Charles T. De Puy, Brighton, and William C. Baxter, Rochester, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application April 22, 1946, Serial No. 664,133
1 Claim. (Cl. 311—95)

In an infant's bath stand including legs of uniform length formed of sheet metal of U-shaped cross-section with the open channels facing inwardly, a supporting foot for each leg in the form of an elongated wooden bracing block which fits closely within the channel, said block being embraced on three sides and across substantially its entire width by the channel and acting to stiffen the latter, the block extending below the channel, with its lower end freely engaging the floor, and having an elongated slot therein permitting relative endwise adjustment of the block and leg, and a fastening bolt extending through said slot in the block and through the leg at a point considerably above the bottom of the leg and holding the block by the frictional engagement between the block



and the rear wall of the channel, the block being held in place solely by the bolt and quickly adjustable endwise of the leg by a straight line relative sliding movement upon loosening said bolt.

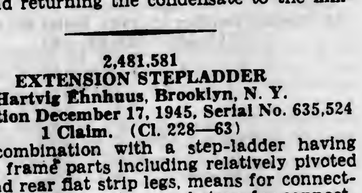
2,481,578
ATTACHMENT FOR ELECTRIC HAND DRILLS
Alfred B. Dixon, Wilcoe, W. Va.
Application June 21, 1944, Serial No. 541,412
4 Claims. (Cl. 192—3.5)



1. An attachment for drill presses comprising a case, a slidable shaft mounted through said case, a pair of gears secured to said slide shaft, a drive shaft projecting into one side of the case and provided with a gear at its inner end meshing with one of the first mentioned gears, a countershaft in the case, a pair of gears on the countershaft, one of said countershaft gears meshing with the drive shaft gear while the other countershaft gear is spaced a greater distance away from its companion gear than the gears on the slide shaft are spaced apart, said slide shaft being slidable to reverse the drive from the drive shaft to the slide shaft by disengaging one of the gears on the slide shaft from the drive shaft gear and meshing its remaining gear with said other gear on the countershaft and latch means for holding the slide shaft in one position or the other.

2,481,579
EGG CRACKER
Emil Dolezal, Butte, Mont.
Application July 16, 1948, Serial No. 39,112
2 Claims. (Cl. 146—2)

1. An egg cracker device consisting of opposed shell members, resilient suction cups secured on said shell members in spaced relation, egg piercing means secured to said shell members and extending between said suction cups, sponge rubber inserts secured between said shell members and suction cups to maintain them in spaced relation, ears depending from said shells, bell crank levers pivotally secured in said ears, one arm of said levers extending into said space, lateral ears



on said suction cups, and springs including an eyebolt portion receiving said lever arm secured to said suction cups and extending through said shells, whereby, on actuating said lever, the springs are moved laterally into locking position to create a vacuum.

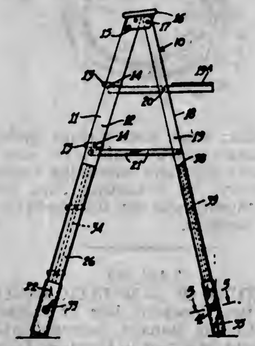
2,481,580
MANUFACTURE OF ALIPHATIC DINITRILES
Henry Dreyfus, deceased, late of London, England, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 3, 1945, Serial No. 620,183. In Great Britain June 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 7, 1964
5 Claims. (Cl. 260—465.8)

1. In a process for the manufacture of aliphatic dinitriles in which the nitrile groups are attached to adjacent carbon atoms, which comprises forming a mixture of substantially equimolecular proportions of an alpha-beta-olefinic nitrile and liquid hydrogen cyanide together with a cyanide of a metal selected from the group which consists of the alkali metals and alkaline earth metals in amount 0.1% to 5% of the molecular equivalent of the olefinic nitrile, the steps of warming the mixture under atmospheric pressure to a temperature below 30° C. at which reaction takes place and hydrogen cyanide is vaporized from the mixture, condensing the vaporized hydrogen cyanide and returning the condensate to the mixture.

2,481,581
EXTENSION STEPLADDER
Hartvig Ehnhuus, Brooklyn, N. Y.
Application December 17, 1945, Serial No. 635,524
1 Claim. (Cl. 228—63)

The combination with a step-ladder having foldable frame parts including relatively pivoted front and rear flat strip legs, means for connecting the rear legs together and steps for connecting the front legs together: of an elongated metal channel piece substantially U-shaped in cross section and extending upwardly along each leg from the lower end thereof to provide an extended sleeve having a side portion paralleling the outer side surface of the leg and opposite edge flanges fitting over and against the front and rear edge surfaces of the leg, said channel being as wide as the leg, means for securing the edge flanges to the front and rear surfaces of the leg to space said side portion of the channel piece from the outer surface of the leg to present a vertical open ended passage alongside said leg, an elongated flat extension piece substantially as wide as the leg for frictional abutment through-

out its contact surface with said leg and extending through said channel passage and being substantially longer than said channel piece said side portion having an opening therein, an internally threaded nut secured to said side portion in alignment with said opening, a handle having an end threaded for adjustable engagement in the nut and jamming engagement with the extension piece to force the under surface thereof in that portion of its length in engagement with the leg into frictional holding contact with the



outer side surface of the leg and to cause the side edges of the channel piece to frictionally engage the side edges of said extension piece whereby the extension may be frictionally secured at any position of adjustment with respect to that portion of said leg, engaged thereby, and said channel piece, said extension piece and the holding means associated therewith being wholely mounted on the side and outer faces of the legs of the ladder to maintain the inner faces of said legs unobstructed.

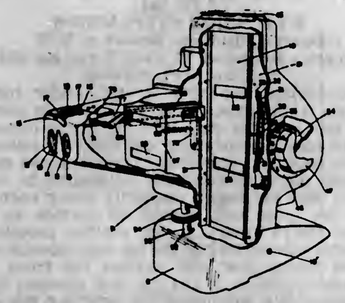
2,481,582

EYE TESTING DEVICE HAVING SELF-CONTAINED MEANS FOR CHECKING BOTH FAR AND NEAR VISION DEFICIENCIES

Charles A. Ellis, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application October 19, 1945, Serial No. 623,211

10 Claims. (Cl. 88—20)



1. An eye testing device of the character described comprising a hollow chamber having sight openings therein adjacent one end and having a wall portion spaced from the sight openings, said wall portion having a plurality of openings therein, carrier means for alternately positioning a succession of test target means in each of said openings in the wall portion, lens means movable into the line of vision between the sight openings and the wall portion for effectively projecting the test target means visible therethrough at infinity, said target means being positioned for near vision when the lens means are not in said line of vision, mounting means movably supporting the lens means on the device, and control means operably connecting said lens means with said carrier means for moving said lens means into the line of vision when test target means are positioned in one of said openings and for moving said lens means out of the line of vision when the test target means are not positioned in said opening of the wall portion.

2,481,583

CONDENSATION OF OLEFINIC COMPOUNDS WITH HYDROGEN SULFIDE

John B. Fenn, Riverview, and John L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 30, 1943, Serial No. 516,245

8 Claims. (Cl. 260—609)

1. In the manufacture of mercaptans, the process comprising condensing an aliphatic tertiary olefinic hydrocarbon with hydrogen sulfide by contacting said olefinic compound with said hydrogen sulfide in fluid state in the presence of boron fluoride and hydrogen fluoride at a temperature below 0° C.

2,481,584

SEPARATION OF COLUMBIUM AND TANTALUM

Robert M. Fowler, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application February 21, 1946, Serial No. 649,397

3 Claims. (Cl. 23—19)

1. A method of treating ore containing columbium and tantalum values comprising digesting the ore with concentrated sulfuric acid and a sulfate salt; adding water to the products of the digestion; separating the water soluble and water insoluble products of the digestion; treating the water insoluble products containing columbium and tantalum values with oxalic acid solution containing an alkali metal ion to effect solution of the water insoluble products; adjusting the pH of the solution thus obtained to between 2 and 3 by the addition of an acid; adding a weak base that will not produce an insoluble precipitate of columbium at pH less than 5.0; permitting the pH to rise to between 4.5 and 5.0 to precipitate tantalum values and separating the precipitated tantalum values from the solution.

2,481,585

LUBRICATING OIL COMPOSITION

Michael W. Freeman, Detroit, Mich.

No Drawing. Application September 17, 1945, Serial No. 616,960

10 Claims. (Cl. 252—33.2)

1. A lubricating oil composition having incorporated therein in an amount sufficient to impart extreme pressure properties to said lubricating oil of a complex reaction product obtained by coreacting, at a temperature ranging from room temperature to the boiling point of the component parts of said reaction, (a) 1 to 5 moles of an organic nitrogen base with about 1 mole of an organic monocarboxylic acid and (b) an oxidized mixture of from 1 to 20 moles of an organic sulfonate and a hydrocarbon lubricating body in an amount sufficient to solubilize said organic sulfonate, said portion (b) of the reaction containing not less than 1% of reacted oxygen.

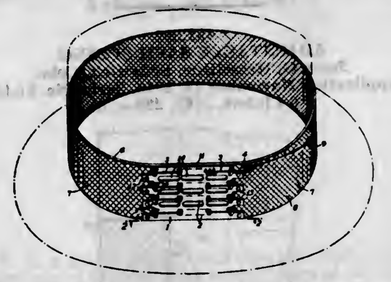
2,481,586

CARRYING DEVICE FOR FISHHOOKS

Eli E. Gregory, Lewisport, Ky.

Application February 14, 1948, Serial No. 8,343

6 Claims. (Cl. 43—32)



1. A fish hook carrying device comprising a hat band of open mesh material having secured thereto at spaced locations slidably-mounted fish hook supporting means, said fish hook supporting means including at least two members, each having a loop at its adjacent end and a hook at its remote end, and resilient means connecting the loops together, each hook being adapted to receive the eye of a fishing implement including a fish hook so that the fish hook may engage the mesh and cause expansion of the resilient means and sliding movement of the supporting means relative to the band.

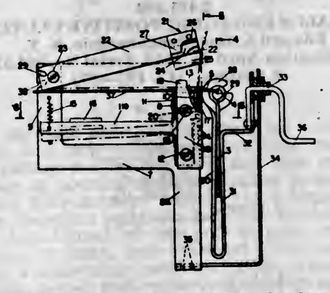
2,481,587

FISHING LEADER MAKING DEVICE

Eli E. Gregory, Lewisport, Ky.

Application July 3, 1948, Serial No. 36,853

5 Claims. (Cl. 140—124)



1. In a device for making fishing leaders, guiding and friction applying means for receiving and engaging the end portion of a length of wire which is to form a leader, a coil forming anvil, an eye-supporting head adapted to receive a loop formed in said wire adjacent said end portion, the body portion of said wire being received on said anvil, means for supporting said head for rotation about an axis parallel to and substantially in line with the surface of said anvil, the rotation of said head serving to rotate the body portion of said wire and to cause said body portion to draw the end portion of said wire from said guiding and friction applying means and wind it about said body portion as a mandrel, and a jaw member movable into engagement with the coil on said anvil, said anvil and jaw member being shaped to engage the surface of said coil as it is formed and serving as pressure-applying means to squeeze said end portion as it emerges from the guiding and friction applying means close about the body portion of said wire to produce a smooth coil.

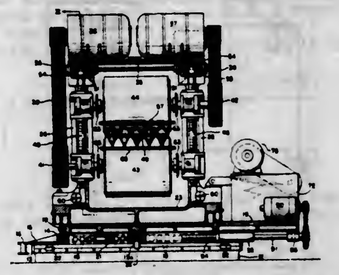
2,481,588

GRINDING AND POLISHING MACHINE OF THE ROTARY-TOOL TYPE

Alfred E. Hamilton, Pittsburgh, Pa.

Application October 8, 1947, Serial No. 778,554

20 Claims. (Cl. 51—40)



1. A roll stand for a pair of rolls mounted in approximately superposed relation, comprising a pair of bearing housings at each end of the stand, vertically-spaced bearing blocks in each housing, positioned to cooperate with the bearing blocks of the adjacent housing, to support the ends of vertically-spaced roll shafts, when the housings at each end of the stand are in proximity to each other, a base for the housings, and a screw-operated device for sliding one of the roll housings on the base, at each end of the stand, for releasing the roll shafts.

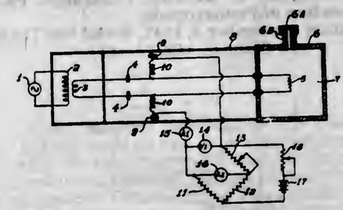
2,481,589

MEASURING OF HIGH-FREQUENCY POWER

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application October 10, 1942, Serial No. 461,542. Divided and this application April 20, 1944, Serial No. 531,911

5 Claims. (Cl. 171—95)



1. Means to measure high frequency power comprising a bridge circuit containing resistance arms, a source of power connected to dissipate

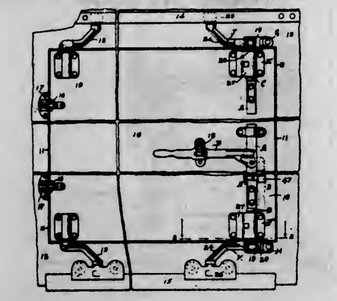
power in a first one of said resistance arms, a variable resistance connected in series between said source of power and said first resistance arm, a metallic container, a resistive element having layers of carbon and platinum, said resistive element being located within said metallic container and connected to a second one of said resistance arms, a short section of a transmission line connected to said resistive element, said transmission line being coupled to the output circuit of a radio transmitter, and a metallic shield for enclosing said short section of said transmission line.

2,481,590

MECHANISM FOR FORCING SLIDING DOORS OPEN AND CLOSED

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 20, 1947, Serial No. 756,019
7 Claims. (Cl. 20—23)



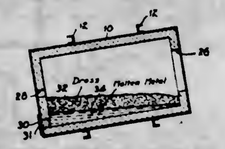
1. In a door operating mechanism for a sliding door of a container having a wall member provided with a door opening and guide tracks above and below the door opening extending lengthwise of said wall, the combination with top and bottom crank members guided for sliding movement on said tracks and rotatably journaled on the door; of a vertically disposed operating bar rotatably mounted on the door; keepers fixed to the wall of the container above and below the door opening; and interengageable sets of top and bottom radial lugs on said crank members and bar for transmitting rotary motion from the bar to the crank members, one of the lugs of each top and bottom set of said bar being engageable with the corresponding keeper for forcing the door into and out of the door opening.

2,481,591

TREATMENT OF ALUMINOUS DROSS

William B. Hellman, Alcoa, Tenn., and Herbert M. Short, Bridgeville, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 5, 1947, Serial No. 772,362
12 Claims. (Cl. 75—24)



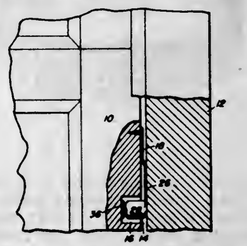
12. The method of reclaiming metallic values from aluminous dross containing from 30 to 80 per cent by weight of metal selected from the group consisting of hot, burning and cold dross, comprising raising the temperature of the dross to the level where an exothermic reaction occurs, promoting and maintaining said exothermic reaction in said dross in a confined zone under an oxidizing atmosphere and raising the temperature of the dross to at least 850° C., wherein a portion of said metal is consumed, by rotating said dross on a horizontal or inclined axis, accumulating a body of molten metal underneath the mass of dross, intermingling the dross with said body of molten metal separated therefrom while retaining said dross and body of molten metal in said zone, and discharging said molten metal separated from the dross.

2,481,592

ADJUSTABLE SASH SPRING

Jesse G. Hesseltine, Sedgwick, Colo.

Application November 22, 1948, Serial No. 61,467
6 Claims. (Cl. 292—76)



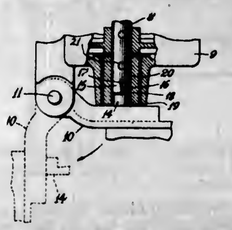
1. The combination with a window casing and sash slidably mounted therein, the sash being provided with a recess on the edge face adjacent the edge face of the frame; of means for frictionally holding the sash in adjusted raised positions, said means including a resilient strip anchored at one end to the sash and having an offset end, a cylindrical casing laterally extending from said offset end and disposed in said recess, resilient means housed in said casing for urging said casing and offset end outwardly therefrom to bear against the edge face of the frame and means for adjusting the tension on said resilient means.

2,481,593

AXIALLY ENGAGING POSITIVE CLUTCH

Edward L. Hoe, Poughkeepsie, N. Y.

Application April 24, 1946, Serial No. 664,516
2 Claims. (Cl. 192—67)



1. In combination, a power unit having a driving shaft and a driven device support movable toward and away from said unit and having an axially aligning driven shaft for endwise coupling engagement with and separation from said driving shaft, said shafts having generally semi-cylindrical end portions of less than full semi-cylindrical dimensions so as to readily engage one over the other in axially aligned relation, said engaging portions tapering inwardly from the ends thereof in undercut inclined shoulders which will interlock endwise on relative rotation of the two shafts to enable the driving shaft to automatically draw the driven shaft longitudinally toward it and thereby to hold the support toward the power unit so long as the driving shaft is running.

2,481,594

GARTER PURSE

Ruth Howard, New York, N. Y.

Application September 27, 1946, Serial No. 699,930
3 Claims. (Cl. 224—26)



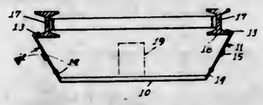
3. In a garter purse, front and rear wall members, joined to form a purse body open at the top, said front wall member comprising a tab comparatively broad at its base, slotted at its base and comprising a comparatively narrow tip portion, said rear wall member comprising a longer tab adapted to pass through said slotted tab and slotted for the passage of said tip portion, said longer tab further being formed with a hole for a garter button or the like.

2,481,595

SHELF TO HOLD WORKING TOOLS FOR LUBRICATION HOISTS

Thomas M. Hughes, Drummond, Mont.

Application February 6, 1947, Serial No. 726,849
1 Claim. (Cl. 211—114)



A portable and foldable shelf for suspension from and between two spaced, long members, comprising a relatively long flat floor member, a pair of upstanding links secured to each end of the floor member adjacent to a longitudinal edge thereof, a relatively long flat band member pivotally hinged at one end to each link and having its other end extended at an angle to form a suspension hook, and a bar member extending across and connecting together each two adjacent band members whereby to secure the two in operative relation and provide hand holds for use in handling the shelf, the said hooks being extended in a direction whereby those at one end of the shelf will be in opposed relation with those at the opposite end of the shelf when the band members at the ends of the shelf are in working position.

2,481,596

STABILIZATION OF POLYSULFONE RESINS

Ernest P. Irany, Cranford, N. J., and Herman D. Noether, Kew Gardens, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 13, 1946, Serial No. 690,327
19 Claims. (Cl. 260—45.8)

1. In a process for the stabilization of polysulfone resins formed by reacting an unsaturated olefinic hydrocarbon containing 3 to 4 carbon atoms with sulfur dioxide whereby said polysulfone resins are rendered highly resistant to thermal decomposition, the step which comprises incorporating an organic compound containing at least one sulfhydryl group with said polysulfone resin as a stabilizing agent therefor.

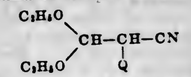
2,481,597

SUBSTITUTED PROPIONIC ACIDS AND PROCESSES OF PREPARING THE SAME

Oscar H. Johnson, Medina, N. Y., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application November 19, 1946, Serial No. 710,945
5 Claims. (Cl. 260—465.5)

5. A compound of the formula:



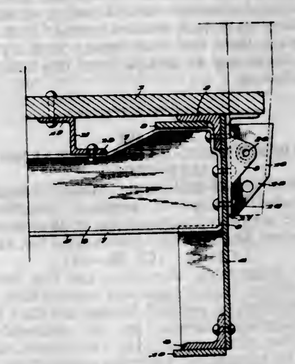
wherein Q is a radical selected from the class which consists of NH_2, and $NH_2 \cdot HCl$ radicals.

2,481,598

ANCHOR FOR LADING RETAINING BANDS FOR FLAT TOP RAILWAY CARS

Bert R. Jones, West Haven, Conn.

Application July 20, 1948, Serial No. 39,683
5 Claims. (Cl. 105—369)

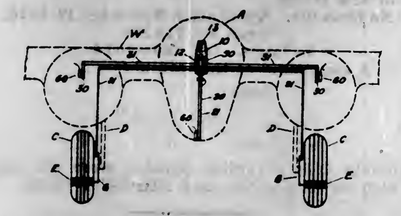


1. A member for receiving a side stake for a flat bottom railway car, said member comprising a pocket for the lower end of the side stake, plate-like means on opposite sides of said pocket to receive devices for attaching the member to the car, and means rigid with said member and spaced laterally from one of said plate-like means adapted to be encircled by a load retaining band.

2,481,590
ALLOY ADDITION AGENT
Augustus B. Kinzel, New York, and Charles O. Burgess, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application May 18, 1946, Serial No. 670,529
4 Claims. (Cl. 75—27)

1. An addition agent for incorporating chromium into molten iron and steel composed of between 4% and 30% manganese dioxide; between 1% and 10% calcium-silicon; remainder ferrochrome; said agent being in the form of a comminuted unbonded admixture.

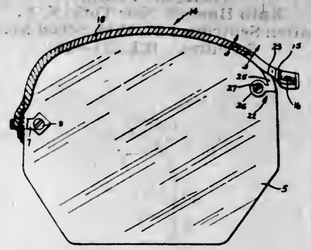
2,481,600
OPTICAL INSTRUMENT FOR USE IN AIRCRAFT FOR VISUALLY SYNCHRONIZING THE LANDING WHEELS AND GROUND MOVEMENT
Samuel S. Knox, Long Beach, Calif.
Application July 6, 1945, Serial No. 603,450
6 Claims. (Cl. 88—1)



1. In an airplane including landing wheels, having controlled power means to drive said wheels at the desired speed of rotation, means to synchronize the movement of the wheels and the ground motion relative to the airplane, a viewing device having a ground glass, positioned at a control point of the airplane, means to project images of the landing wheels and the ground on the ground glass for simultaneous viewing and comparison, said last named means including a tube to pass light for each image and a projecting lens throwing an image from the tube to the viewing device.

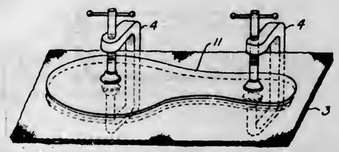
2,481,601
CABLE BRACE-BAR OPHTHALMIC MOUNTING
Wilbur Leduc, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 31, 1946, Serial No. 644,488
1 Claim. (Cl. 88—41)

A lens supporting structure for the lenses of an ophthalmic mounting, said supporting structure comprising a central bridge portion having lens connection means on its opposed sides adapted for connection with the nasal sides of lenses to be assembled with the supporting structure, and a pair of temple pivot portions, said temple pivot portions each embodying a lens connection portion adapted to be connected with the temporal side of said lenses, a portion of relatively rigid material extending upwardly from said lens connection portion shaped to the adjacent contour shape of said lenses, and having a rearwardly extending temple hinge portion of relatively rigid material joined thereto, said temple hinge portion being disposed in a fixed angular position relative to the lens connection portion, and long and slender flexible cable-like arm portions having their nasal ends secured adjacent the opposed sides of said bridge portion and being shaped to follow substantially the upper contour shape of the lenses when assembled therewith and having their temporally disposed ends secured to the upwardly extending rigid portion of said temple pivot portions so as to provide the supporting structure as a unitary member, said long and slender arm portions each having substantially the same cross-sectional shape and dimension as the upwardly extending rigid portion to which they are secured, and each



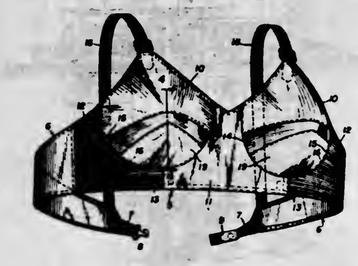
embodying spirally wound strands forming a plurality of coils arranged in helical form, with said coils imparting to the arm portion a readily flexible and self-adjusting characteristic such as to allow the arm portion to accommodate itself to approximately the shape of the adjacent contour of the respective lens to be assembled therewith, said coils by reason of their helical arrangement individually pivoting slightly during flexing of said arm portion so as to avoid the concentration of strain adjacent the ends of the arm portion.

2,481,602
METHOD FOR FORMING THERMOPLASTIC INNER SOLES
Gunnar C. T. Lindh, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1944, Serial No. 524,194
6 Claims. (Cl. 154—116)



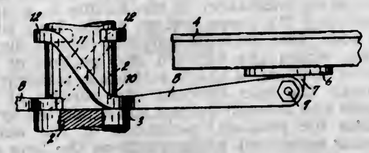
2. The method of welding a plurality of sheets of thermoplastic material along their edges comprising the following steps: holding the sheets under pressure with their larger faces in contact and their edges substantially in alignment, the pressure applied to the periphery of said sheets being greater per unit of area than the pressure applied to the sheets within the periphery whereby the sheets are compressed to a greater extent at the periphery than within the periphery, applying a hot gaseous blast along the edges of said sheets to melt the edges at a temperature below the thermal decomposition point of the thermoplastic, and while in a molten condition ironing the melted edge portions to form a smooth weld joint along the edges of said thermoplastic sheets.

2,481,603
BRASSIÈRE
Jack Lo Cascio, Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York
Application January 31, 1947, Serial No. 725,646
2 Claims. (Cl. 2—42)



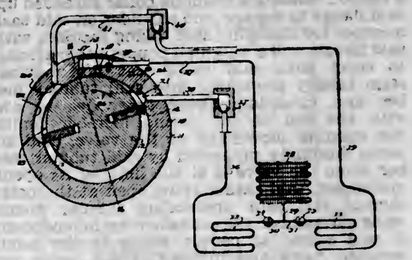
1. In a brassière, a front portion including a pair of breast cups, an inelastic section having curved side edges directly joined to the adjacent side edges of the breast cups and having a lower portion extending beneath the breast cups and to the vertical center lines of said breast cups, a pair of horizontally yieldable elastic sections having curved inner side edges directly joined to the outer side edges of the breast cups, said elastic sections extending to the tops of the breast cups at the outer sides of the latter and having lower portions extending beneath said breast cups and directly joined to the side edges of said lower portion of said inelastic section at said vertical center lines of the breast cups, and tapered inelastic end portions spaced from the breast cups and directly joined at their wider ends to the outer side edges of the elastic sections, and means to separably connect the narrower ends of said end portions at the back of the wearer.

2,481,604
DEMOUNTABLE WORK TRAY
Roger E. Lorensen, Niles, Mich.
Application July 1, 1947, Serial No. 758,241
1 Claim. (Cl. 211—86)



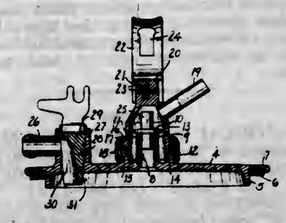
A work holding device for a machine tool having a cylindrical pedestal with a shoulder thereabout, comprising, an arm, a work receiving tray secured to one end of said arm, an integral cylindrically curved fork portion on the other end of said arm extending transversely of said arm and adapted to rest on said shoulder and abut against said pedestal, and an integral spiral portion merging with one end of said fork portion and terminating in a cylindrically curved hook portion opposed to said fork portion and spaced thereabove.

2,481,605
REFRIGERATOR SYSTEM
David Earle MacLeod, Evansville, Ind., assignor, by mesne assignments, to Seeger Refrigerator Company, a corporation of Minnesota
Application July 10, 1944, Serial No. 544,217
2 Claims. (Cl. 62—115)



1. In a refrigeration system, the combination of a rotary compressor having a housing provided with a substantially cylindrical chamber, an eccentric rotor located in said chamber, engaging the side walls of said chamber and engaging the periphery of said chamber at a cut-off point, said rotor being provided with a pair of slidably mounted vanes for engaging the periphery of the chamber and said chamber being provided with a high pressure outlet, a low pressure inlet and an intermediate pressure inlet, said high pressure outlet being located adjacent to and in advance of said cut-off point with reference to the direction of rotation of the rotor, the low pressure inlet being located adjacent to and on the opposite side of said cut-off point, and the intermediate pressure inlet being located between the said high pressure outlet and the low pressure inlet, whereby different suction pressures are produced at said low pressure inlet and said intermediate pressure inlet, the said outlet being connected to a condenser and said condenser being connected to a pair of conduits, each conduit including restriction means and said conduits leading to two separate evaporators, each evaporator being connected by a conduit to one of said inlets, whereby the two evaporators may be maintained at different suction pressures, and hence at different temperatures by a single compressor.

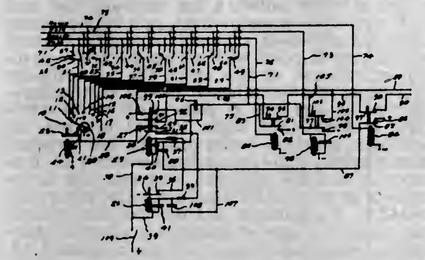
2,481,606
TOP FOR MILKING MACHINE CONTAINERS
Robert E. Maes, Marshall, Mich.
Application March 9, 1945, Serial No. 581,907
6 Claims. (Cl. 31—58)



1. A top for a milking machine container provided with an upstanding tubular member, said

tubular member being provided with a valve seat, an internally tapered externally threaded flange surrounding said tubular member in spaced relation thereto, a casing having a downwardly tapered end portion fitting within said flange and coacting with said tubular member to provide a trap, said casing being externally shouldered and provided with a nipple for connection with a suction conduit, a coupling collar threaded upon said flange to engage said shoulder on said casing member for clamping said casing member within said flange, and a weighted poppet valve arranged to coact with said valve seat and having a stem loosely projecting into said tubular member and extending above the valve to coact with the top of the casing member limiting the opening movement of the valve, said stem being guidingly supported by said tubular member when the valve is at the limit of its opening movement, said casing being open at the bottom thereof and said upstanding tubular member being mounted on the container top independently of said casing to permit access to the tubular member, valve and interior of the casing upon removal of the casing from said flange.

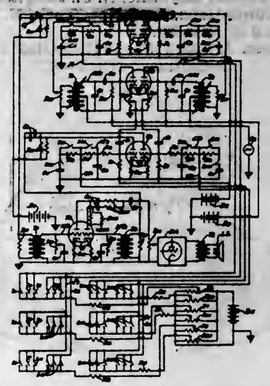
2,481,607
AUTOMATIC KEYER FOR CODE TRANSMITTERS
William Walter McGoffin, New York, N. Y.
Application November 1, 1945, Serial No. 626,143
2 Claims. (Cl. 177—380)



1. An automatic keyer comprising a key circuit, a plurality of switches in said circuits, a stepper switch, a relay operator for said stepper switch, a plurality of relay operators for said first named switches, a plurality of manually adjustable switches connected to said stepper switch and said latter named operators, electromagnetic timing means connected to said stepper operator and certain ones of said first named switches, and means connected with said adjustable switches whereby said stepper switch operator may be rapidly vibrated to effect movement of said stepper switch to starting position when said stepper switch has moved through the operating cycle the length of which is determined by the adjustment of a particular one of said adjustable switches.

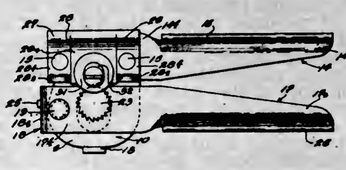
2,481,608
ELECTRICAL MUSICAL INSTRUMENT
Spencer W. McKellip, Wynnewood, Pa.
Application December 1, 1944, Serial No. 566,108
12 Claims. (Cl. 84—1.22)

8. An electrical musical instrument comprising sources of tone frequency currents of different characters and of the same fundamental frequency, a control tube connected to each of the sources to control the transmitted amplitude thereof, means for combining the outputs of the control tubes, and translating means connected



to the last named means for translating the combined outputs into sound.

2,481,609
ROTARY DRIVE WHEEL TYPE CAN OPENER
Robert E. McLean, Fort Benning, Ga.
Application May 28, 1946, Serial No. 672,849
9 Claims. (Cl. 30—9)



3. A can opener of the rotary drive wheel type, comprising a body plate having a lower portion and an upper portion angled obliquely thereto, a relatively long first handle member formed of flat material and having a forward end portion disposed across that side of the lower portion of the body plate which is adjacent to the underside of the angled upper portion, a pivotal connection between the forward end portion of the handle and the lower portion of the body plate facilitating oscillation of the handle in a plane paralleling the lower portion of the body plate, the body plate having a long slot formed therein across which the forward end portion of the handle extends, a shaft extending transversely through the said forward end portion of the handle and through the slot and supported by the handle for rotation, oscillation of the handle causing movement of the shaft on the long axis of the slot, the side edges of the slot guiding such movement of the shaft, a can head penetrating cutter supported by the angled upper portion of the body plate adjacent to the underside thereof and spaced from the adjacent side of the body plate lower portion, a can rim engaging driving wheel supported upon and secured to the shaft and disposed in a plane passing between said cutter and the lower portion of the body plate, a crank connected with the shaft for effecting rotation of the same and the wheel, and a second handle comprising a relatively long body of flat material having a forward end portion and a rearward portion, the forward end portion being

angled with respect to the rearward portion and secured to the top side of the angled portion of the body plate and the angle between the forward end portion of the second handle and the rearward portion being such that the rearward portion of the second handle is disposed in the same plane as the first mentioned handle.

2,481,610
TERMINAL FITTING
William A. Meighan, Portland, Oreg.
Application May 22, 1944, Serial No. 536,684
3 Claims. (Cl. 24—129)



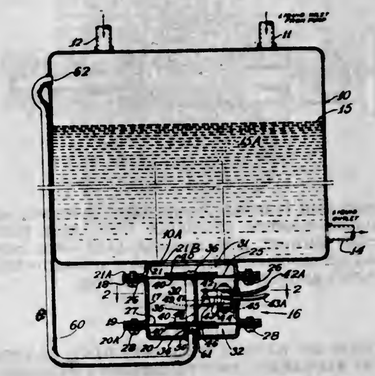
1. A terminal rope fitting having an elongated body with an engaging element arranged at one end thereof and a rope securing member at the other, an externally formed rope receiving recess arranged intermediate said ends, said recess defining first a reverse bend, then a helical course about the body, and then a longitudinally extending course leading toward said rope securing member, said recessed courses intersecting each other at more than one point, whereby a rope can be secured to said fitting without being tied into a tight knot.

2,481,611
APPARATUS FOR PACKING COFFEE
George Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Original application January 23, 1941, Serial No. 375,589. Divided and this application May 17, 1944, Serial No. 536,057
3 Claims. (Cl. 226—56)



1. Apparatus for packing coffee, comprising a four walled chuck for retaining a container of smaller dimensions, vibratory means for partially packing granular materials held in a container positioned in said chuck, and four movable compression plates inwardly of and in parallel relation with the respective walls of the chuck, each compression plate being provided with a shaft, and each of the walls of the chuck having an opening through which a shaft extends for shaping a container in the chuck by means of said compression plates.

2,481,612
LIQUID LEVEL SWITCH
Ralph A. Nicholson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application August 20, 1945, Serial No. 611,634
2 Claims. (Cl. 200—81.5)

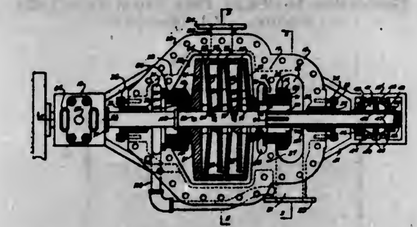


1. A device of the class described comprising upper and lower chambers, said upper chamber adapted to contain liquid and gas under pressure, said lower chamber being of unitary construction and having a pair of parallel, spaced-apart diaphragms one above the other therein and dividing said lower chamber into an upper compartment, a lower compartment, and a middle compartment, said compartments all sealed off from each other and said upper compartment communicating vertically into said upper chamber such that a head of liquid and gas therein exerts a force on the uppermost of said diaphragms, a pressure-equalizing gas connection between the upper region of said upper chamber and the said lower compartment, and a switch situated in said middle compartment, wherein it is sealed against moisture and gas from said other compartments, and means mainly in said middle compartment operatively interconnecting said diaphragms with each other and with said switch for operation of the latter responsive to displacements of said diaphragms, jointly, predetermined amounts, together with spring means yieldingly urging said diaphragms upward with force to be balanced by a determined volume of liquid in said upper chamber.

2,481,613
HYDRAULIC PUMP
Heinrich A. W. Petersen, Fort Myers, Fla., assignor to Petersen and Kelley Corporation, Berkeley, Calif., a corporation of Delaware
Application July 2, 1948, Serial No. 36,771
5 Claims. (Cl. 103—108)

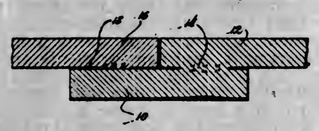
1. A multi-stage, rotary hydraulic pump comprising a hollow housing having a cylindrical pump chamber therein and two secondary chambers disposed one at each end of said pump chamber and separate therefrom, one of said secondary chambers being larger than the other and constituting an intake chamber for said pump and the other of said secondary chambers constituting a leakage chamber, means hydraulically connecting the leakage chamber to the intake chamber, a pump shaft extending through said housing, a rotor on said shaft within said pump chamber, two self-aligning bearings disposed one at each end of said housing rotatably supporting

said shaft, two thrust bearings within said housing disposed one at each end of said pump chamber and operatively interposed between said shaft and said housing, an intake conduit extending



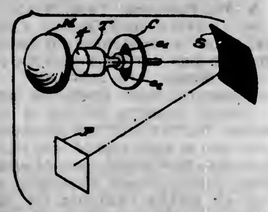
through said housing to said inlet chamber, and an outlet conduit extending from said pump chamber through said housing, said rotor comprising an outer cylindrical casing rotatable with said shaft and impellers in said casing.

2,481,614
METHOD OF RESISTANCE WELDING ALUMINUM TO STEEL, AND PRODUCT THEREOF
Thomas Redmond, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 27, 1947, Serial No. 757,691
6 Claims. (Cl. 29—196.2)



1. The method of joining a sheet of stainless steel or the like to a sheet of aluminum which comprises providing a piece of aluminized steel, resistance welding the sheet of stainless steel to the piece of aluminized steel and resistance welding the piece of aluminized steel to the sheet of aluminum.

2,481,615
IMAGE PROJECTION OPTICAL SYSTEM WITH CYLINDRICAL SCREEN MEANS
Charles J. B. Rheams, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1945, Serial No. 601,111
5 Claims. (Cl. 178—7.5)



1. In a picture projection system for a television receiver, a picture tube for producing the picture image to be projected, a spherically surfaced converging means arranged to project the image, said tube being disposed along the optical axis of the system and causing central masking of the system's aperture, a correcting plate disposed in the path of projection, means including a cylindrical element for reproducing the image, said element tending to accentuate variations in overall brightness of the image, as viewed from different positions in a viewing plane, caused by diminution of aperture area in the direction of the axis of said element, and stop means on said correcting plate adapted to effect additional central masking of the aperture such that the effective aperture area is of substantially constant width in the direction of the axis of said element, whereby substantially to eliminate said variations.

2,481,616
REFRIGERATOR
William E. Richard, Evansville, Ind., assignor to Seeger Refrigerator Company, a corporation of Minnesota
Application March 15, 1946, Serial No. 654,646
9 Claims. (Cl. 62—116)

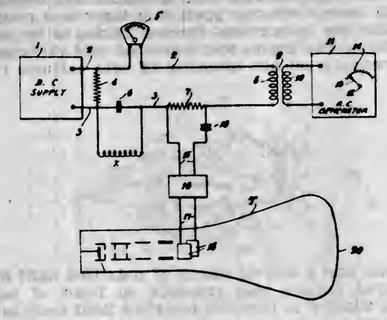


1. In a refrigerator, the combination of a cabinet having an upper compartment for storage of foods at above-freezing temperatures and predetermined humidity and having a lower compartment for freezing and storage of frozen foods, said lower chamber being provided with an evaporator, and said compartments being separated by a relatively thin heat insulating partition adapted to maintain a suitable heat gradient between said compartments whereby the upper compartment is maintained at a predetermined temperature by the transmission of heat through said partition, the said partition being provided in its insulation with a moisture and air tight sealing layer having moisture tight connection with the inner surface of the outer shell on all sides of the refrigerator to prevent passage of air from either chamber to the other and to prevent dehumidifying the air of upper chamber.

2,481,617
REACTANCE MEASURING DEVICE
Robert Lee Ringer, Jr., Jersey City, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application June 23, 1944, Serial No. 541,824
1 Claim. (Cl. 175—183)

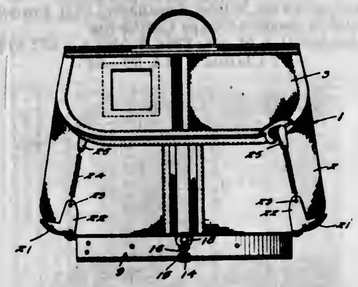
A device for measuring a reactance, which comprises a source of alternating current of constant voltage but variable frequency, a transformer coupling said source to a circuit which comprises a reactive impedance of known value in series with a known resistance, said known impedance being in parallel with said reactance

that is to be measured, and a reactance indicating device connected to opposite ends of said resistance that is located in said circuit, said



indicating device comprising a cathode ray tube having a pair of its deflecting plates connected respectively to opposite ends of said resistor.

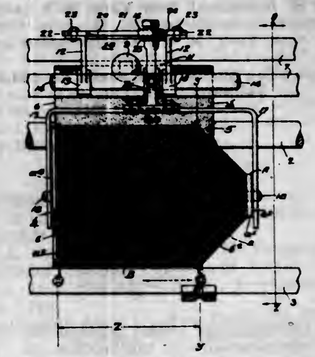
2,481,618
ATTACHABLE CREEL KIT
Fred E. Rockhill, Aberdeen, Wash.
Application September 18, 1946, Serial No. 697,687
2 Claims. (Cl. 43—31)



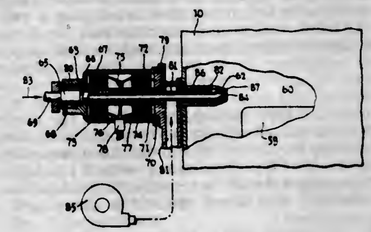
1. A tackle carrying unit for attachment to the bottom of a fishing creel, comprising a flat housing open at one side, a drawer slidably disposed in the housing through said open side, means forming extensions at the ends of the housing for receiving the bottom of the creel at opposite sides of the same, and means carried by said receiving means for coupling the latter across the side walls of the creel with the top edges of said walls.

2,481,619
BOBBIN BUILDING MOTION
Hilmar Roessel, Philadelphia, Pa., assignor to Fletcher Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 16, 1946, Serial No. 670,215
4 Claims. (Cl. 242—18)

1. A bobbin building motion for a yarn winding machine having a bobbin driving drum and a uniformly reciprocable yarn guide operable parallel to the axis thereof, said motion comprising a fixed bracket adjacent said drum, a shaft rockable and axially slidable in said bracket, a lever fixed to said shaft, a yoke on one end of said lever for maintaining a bobbin in peripheral rolling contact with said drum, a cam roller rotatably mounted on the opposite end of said lever, and a cam fixed on said bracket and engageable by said roller to shift the bobbin axially as it increases in diameter to form a frustoconical end on said bobbin.



2,481,620
DEVICE FOR DISPENSING LIQUID FUEL INTO COMBUSTION AIR OF FURNACES
Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y., a corporation of New York
Application February 8, 1945, Serial No. 576,819
2 Claims. (Cl. 158—77)



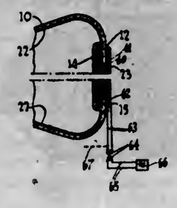
1. A device for dispensing fluid fuel into combustion air of furnaces, essentially comprising a tubular vibratory member substantially of ferromagnetic material of the type in which recurrent magnetic fluxes can produce magneto-striction effects resulting in mechanical vibrations including recurrent longitudinal contractions and expansions of said member within supersonic, high frequency range, said member having an intake and a discharge end, means for passing combustion air close to said discharge end, means for supplying fluid fuel to said intake end and passing it through said tubular member, and electromagnetic means associated with said member for translating electric current impulses into recurrent magnetic fluxes passing through said member and producing therein said magneto-striction effects and said longitudinal mechanical vibrations, so that fluid fuel passing said tubular member is discharged into the combustion air passing said discharge end.

2,481,621

LIGHT MODULATION BY CATHODE-RAY ORIENTATION OF LIQUID - SUSPENDED PARTICLES

Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y., a corporation of New York

Application May 2, 1945, Serial No. 591,498
7 Claims. (Cl. 178—75)



7. In apparatus for visibly reproducing electric signals representative of intelligence, an evacuated envelope, a container sealed into said envelope so as to form a front portion thereof, said container comprised of two slightly spaced walls, one of said walls facing the interior of said envelope of insulating dielectric material, the opposite wall comprised of a unit substantially transparent for visible light and substantially comprising a quartz plate, a thin, substantially transparent metallic layer on the inside of said plate and a substantially light transparent metallic electrode covering at least a part of the outside of said plate, a suspension within said container including a transparent suspension medium and minute substantially flat particles capable of intercepting visible light, and of high optical light reflecting or scattering power, said suspended particles under one condition of operation directed at random and under another condition being oriented, means for developing a cathode-ray beam within said envelope and for directing it upon selected areas of said insulating wall of the container so as to form thereon electric charges capable of bringing about one of said conditions, and electrical means connected with said metallic layer and said electrode for applying to said plate supersonic electric oscillations and thereby excite it to thickness vibrations within supersonic frequency range which are translated upon said suspension contacting said metallic layer and can bring about the other one of said conditions.

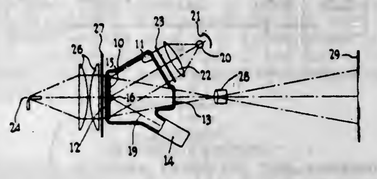
2,481,622

CATHODE-RAY TUBE WITH PHOTO-DICHROIC IONIC CRYSTAL LIGHT MODULATING SCREEN

Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y., a corporation of New York

Application June 6, 1945, Serial No. 597,775
8 Claims. (Cl. 178—7.5)

2. The combination for visibly reproducing electric signals representative of intelligence impressed upon a cathode ray beam, including an evacuated envelope provided with three windows, a layer essentially consisting of ionic crystal material of the type in which the injection of cathode rays can create color centers which upon illumination with polarised light cause dichroism, said layer arranged inside said envelope and close to the first of said windows, means for developing and directing a cathode ray beam upon said layer arranged within said envelope, a source of polarized light arranged outside said envelope in front of the second of said windows so that said polarized light is transmitted through said second window upon said layer and causes dichroism in portions thereof impinged by said cathode ray beam, the degree of said dichroism depending on the intensity of said cathode ray



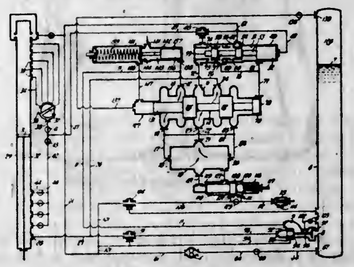
beam, and a second source of polarized light arranged outside said envelope in front of said first window so that the polarized light from said second source can be transmitted through said first window, layer and third of said windows except where it is absorbed by portions of said layer wherein said dichroism is produced, the extent of said absorption depending on the degree of said dichroism.

2,481,623

PUMPING JACK

Fred H. Rued, Lafayette, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California

Application May 6, 1946, Serial No. 667,717
7 Claims. (Cl. 60—52)



1. In a pumping jack having a balancing tank, a pump drawing from said balancing tank, and a reciprocating main valve controlling flow from said pump, the combination of a reciprocating air pump, means for conducting air from said air pump to said tank, and means for reciprocating said air pump by the reciprocation of said main valve.

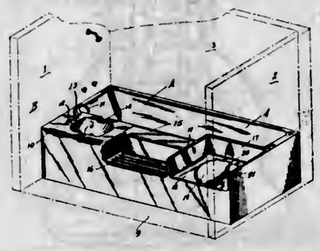
2,481,624

COMBINATION BATHROOM FIXTURE

Thomas H. Sarchet, Spokane, Wash.

Application November 12, 1946, Serial No. 709,219
2 Claims. (Cl. 4—2)

1. A combined bathroom fixture, comprising a hollow unitary rectangular body portion provided in its top adjacent to one longitudinal edge with an elongated generally rectangular bathtub recess having a slightly inclined bottom disposed at substantially the vertical center of the body portion, the body portion being further provided in its top and near its opposite longitudinal edge and near one corner with a wash basin recess having a bottom arranged at an elevation above the bottom of the bathtub recess, the body portion having a rectangular recess in its top and front side at its end remote from the wash basin recess, the last-named recess forming a toilet seat, an elongated rectangular flush tank arranged between the wash basin recess and toilet seat and adjacent to the inner longitudinal edge



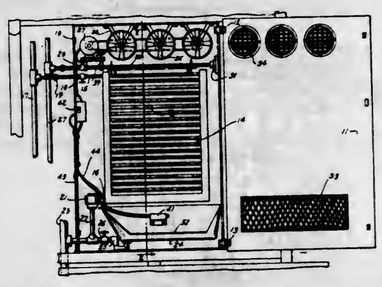
of the bathtub recess, the top and front side of the body portion having a step recess formed therein adjacent to the flush tank, and a toilet bowl arranged within the body portion and beneath the toilet seat and having a filled water level below the elevations of the bottoms of the bathtub recess and wash basin recess.

2,481,625

AIR-CONDITIONING UNIT

Thomas H. Sarchet, Spokane, Wash.

Application August 29, 1947, Serial No. 771,310
2 Claims. (Cl. 257—3)



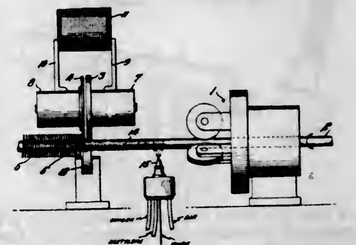
2. A built-in air-conditioning unit comprising a casing adapted to fit into a wall, a door adapted to be extended over the casing and having openings at the bottom and top thereof, a steam radiator in the center of the casing, a steam inlet extending through the wall of the casing for connection with the steam radiator, an outlet for the steam radiator extending from the radiator to the exterior of the casing, a water inlet to the casing, a spray pipe extending over the top of the radiator and adapted to spray water downwardly thereover connected with the water inlet, a drain pan at the bottom of the radiator adapted to receive the water which passes downwardly over the radiator, an outlet for draining off the collected water in the pan, a fan arrangement including an electric motor disposed in the top of the casing above the spray pipe and radiator and adapted to cause the air within a room to be drawn inwardly through the bottom opening in the door and outwardly through the top openings thereof, switch means for controlling the supply of current to the electric motor, and a thermostat connected with the switch device and the motor for controlling the operation of the motor in response to the temperature of the air within the room, a valve in the inlet to the steam radiator for controlling the flow of steam thereto and adapted to be turned off at times when the radiator is not to be used, said spray pipe being adapted to pass water over the exterior of the radiator at such times when the radiator steam supply is turned off so as to cool the air being drawn over the radiator by the fan, whereby said unit is converted from a heating arrangement to a cooling arrangement, said switch being adapted to be operated to cause the constant rotation of the fan when the arrangement is being used for cooling.

2,481,626

ELECTRIC RESISTANCE WELDING OF HARD TO WELD METALS, PARTICULARLY FOR FINNED TUBING

Emil A. Schryber, Lynbrook, N. Y., assignor to Extended Surface Division of David E. Kennedy, Inc., Brooklyn, N. Y., a corporation of New York

Application April 10, 1946, Serial No. 661,034
4 Claims. (Cl. 219—10)



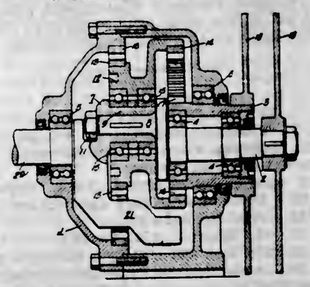
1. The herein disclosed method of welding "hard to weld" metals which comprises introducing a hot molten layer of lower electrical conductivity metal between said "hard to weld" metals and then passing welding current through said metals while said introduced layer is still in hot condition.

2,481,627

TRANSMISSION UNIT

John S. Sharpe, Haverford, Pa.; Catharine D. Sharpe, executrix of the estate of said John S. Sharpe, deceased, assignor to The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, Philadelphia, Pa., a corporation

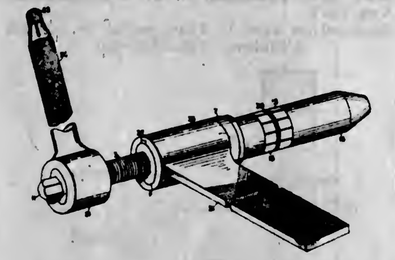
Application January 24, 1946, Serial No. 643,040
2 Claims. (Cl. 74—804)



1. In a reverse gear unit, a shaft one end of which constitutes the output element of the unit, a second shaft coaxial with and embracing the shaft first-named, a composite planetary gear

journaled eccentrically on said first-named shaft for movement in a planetary path concentric with the shaft axis, a relatively fixed gear meshing with a gear element of said planetary, a gear on said second shaft meshing with another gear element of said planetary, and means for applying power to said shafts selectively to thereby effect a selective rotation of the output shaft in opposite directions.

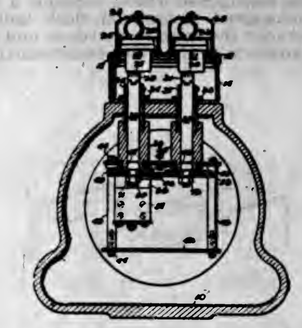
2,481,628
HOSE COUPLING EXPANDER
William M. Sherman, Ketchikan, Territory of Alaska; dedicated to the free use of the People in the territory of the United States
Application November 13, 1946, Serial No. 709,630
2 Claims. (Cl. 153—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hose coupling expander comprising a hollow member providing circumferentially spaced longitudinal slots, expander dogs in said slots, longitudinally extending ears on each dog, means provided by the hollow member to serve as stops for said ears to limit outward movement thereof, a circumferentially extending flange on the outer end of each dog, each flange having an outwardly convex surface the axis of which is longitudinally disposed, the longitudinal sides of adjacent flanges being adjacent to each other when the dogs are in retracted position, a longitudinally movable wedge within the hollow member, the inner edges of the dogs resting upon the wedge, the circumferentially extending flanges being retractable inwardly and below the surface of said hollow member upon movement of the wedge in one direction and being moved outwardly upon movement of the wedge in the opposite direction, the flanges being provided with a circumferentially extending groove, and a resilient member within said groove encircling all of the dogs and serving to keep the outer surfaces of the flanges in circular alignment.

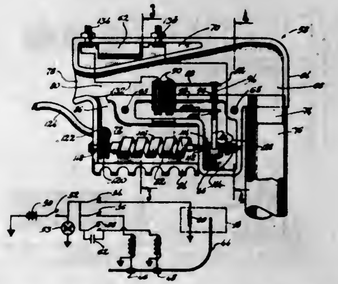
2,481,629
INTERLOCK MECHANISM
George B. Thieme, Jamaica, N. Y., assignor to Bendix Aviation Corporation, Norwood, Mass., a corporation of Delaware
Original application July 1, 1944, Serial No. 543,187. Divided and this application March 11, 1946, Serial No. 653,673
4 Claims. (Cl. 74—483)

1. In an interlock apparatus, a casing, a pair of flanged sleeve assemblies projecting through, and rigidly secured to one wall of said casing; a mounting plate disposed in said casing and having a pair of openings aligned with and fitting over the inner ends of said flanged sleeve assemblies; means for directly rigidly securing said plate to said sleeve assemblies, a shaft in each of said sleeve assemblies; means disposed externally of



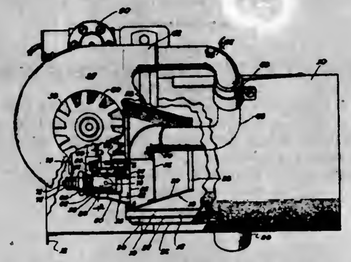
said casing for rotating said shafts; and means carried by said mounting plate for controlling rotation of said shafts.

2,481,630
HEATER CONTROL
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 8, 1945, Serial No. 633,733
3 Claims. (Cl. 236—9)



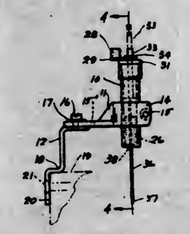
1. A device of the type described for controlling the heat output of a heater, said heater having a hot air outlet duct comprising means forming an air passage, said passage being adapted to be connected on its inlet side with said hot air duct, another portion of said passage being formed to provide a Venturi throat, first thermostatic means in said passage responsive to the temperature of the air flowing therethrough, means forming a second air passage, said second air passage having an inlet opening adapted to receive air from the space to be heated and an outlet opening at said Venturi throat, second thermostatic means in said second passage responsive to the temperature of the air flowing therethrough, a first contact and a second contact co-operating therewith, said first contact being connected to be moved away from said second contact by said first thermostatic means upon an increase in the temperature of said first thermostatic means and said second contact being connected to be moved away from said first contact by said second thermostatic means upon an increase in the temperature of said second thermostatic means.

2,481,631
INTERNAL-COMBUSTION HEATER BURNER AND IGNITION MEANS THEREFOR
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 17, 1946, Serial No. 691,190
3 Claims. (Cl. 158—28)



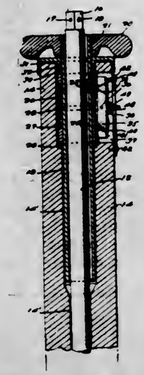
1. A liquid fuel burner comprising means forming a substantially conical combustion chamber disposed upon a horizontal axis and having a closed large end and an open small end, means for admitting combustion air into said combustion chamber, means forming a pocket communicating with substantially the bottom of said combustion chamber through said closed end, an electrical igniter of the hot wire type horizontally disposed within said pocket, a generally cylindrical shell enclosing said igniter, and means including a wick for delivering liquid fuel against said shell.

2,481,632
RETRACTABLE ELECTRIC NEEDLE PROTECTOR FOR KNITTING MACHINES
Edward Vossen, Lynbrook, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application October 22, 1948, Serial No. 55,848
11 Claims. (Cl. 66—157)



1. A retractable electric needle protector for a knitting machine having an electric stop motion, comprising a member for attachment upon a part of a knitting machine so that said member moves relatively to and along the knitting needles of said machine, a plunger movable relative to said member from a forward to a retracted position and back to a forward position, resilient means urging said plunger into said retracted position, an electric circuit for connection with the electric stop motion of said knitting machine and including a circuit opener and closer synchronized with said plunger for closing said circuit when said plunger is retracted, a pointer connected with said plunger and having a pointed end for location as close as possible to the stitches being knitted by said knitting machine when said plunger is in its forward position and retractable by said plunger in order to be spaced a relatively large distance from said stitches when said plunger is retracted, resilient means for urging said pointer slightly laterally to a normal position in order that lumps of foreign material forming at the knitting needles of said knitting machine may move said pointer out of said normal position, and latch means operating between said member and said pointer and including engaging keeper elements for holding said pointer forwards when said pointer is in its lateral normal position and said keeper elements disengaging when said pointer is moved laterally out of said normal position in order that said first named resilient means may retract said plunger and said pointer.

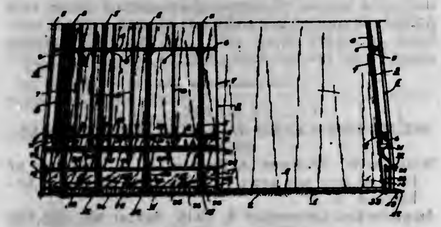
2,481,633
GEAR-OPERATED WRENCH WITH SPIRAL DRIVE
William W. Wehner, Arlington, N. J., assignor of twenty-five per cent to Ernest A. Wehner, Arlington, N. J.
Application December 4, 1945, Serial No. 632,738
1 Claim. (Cl. 81—57)



A manually operated rotatable tool comprising a tool handle having a longitudinal bore therethrough and an apertured offset at one end thereof, a rotatable socket journaled in said offset and having peripheral gear teeth thereon, a rotatable shaft in the bore of said handle having a polygonal outer end portion disposed beyond the end of said handle remote from said offset, a worm gear on the inner end of said shaft meshing with the gear teeth on said socket, and manually operated means for rotating said shaft comprising a sleeve surrounding said shaft within said handle bore and having a longitudinal keyway in the inner surface and a pair of oppositely curved spiral grooves in the outer surface thereof, a lug on said shaft engaged in said sleeve keyway rotationally connecting said sleeve to said shaft while providing freedom of relative longitudinal movement therebetween, a pair of juxtaposed collars journaled in said handle surrounding said sleeve having internally thereof respective spiral lugs oppositely curved and engaged respectively in said oppositely curved sleeve grooves, and external ratchet teeth on said collars, the ratchet teeth on said two collars facing in opposite directions, and pawl means carried by said handle

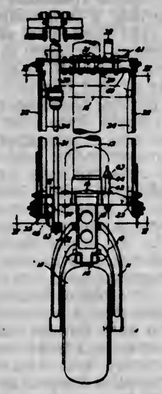
selectively engageable with said collars to control the direction of rotation of said sleeve upon lengthwise movement thereof relative to said shaft and said handle.

2,481,634
SULFURIC ACID CHAMBER
Edward A. Werner, Atlanta, Ga.
Application March 8, 1946, Serial No. 653,099
1 Claim. (Cl. 23—284)



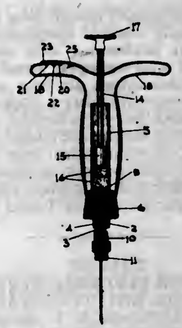
In a sulphuric acid chamber, a pan having an upright side wall, a supporting framework, a lead chamber supported by said framework with the bottom edge thereof within said pan and elevated from the bottom of the latter but below the upper edge of the side wall, said framework comprising an annular series of uprights of T-section embracing said pan and arranged with the head portions of the T's confronting the upright side wall of the pan and forming flat abutments for the outer face of said wall, and a plate section spanning the space between each adjoining pair of said uprights with the side edges thereof contiguously to the side edges of the said head portions of the uprights so as to provide a continuous flat backing for the said outer face of the wall, said plate sections having at the sides thereof offset flanges overlying the outer faces of said head portions and detachably secured to the uprights.

2,481,635
AIRCRAFT UNDERCARRIAGE
John W. Wheeler, Grand Island, and Harold C. Todd, Kenmore, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application January 25, 1947, Serial No. 724,364
11 Claims. (Cl. 244—102)



1. A retractable landing gear, comprising a landing support, a vertically arranged strut member carrying said support and adapted to be reciprocated longitudinally to its extreme up and down positions, a yoke secured to the lower end of said strut member, spaced tracks for guiding said member during its movements, and a down-position lock carried by said yoke and movable underneath and engageable with the lower end of one of said tracks when said member is in its lower position.

2,481,636
DEVICE FOR INJECTING PENICILLIN OR SIMILAR LIQUIDS
Harry Gilbert Willis, Wayville, South Australia, Australia, assignor to A. M. Bickford & Sons Limited, Adelaide, South Australia, Australia, a company of South Australia
Application March 8, 1948, Serial No. 13,577
In Australia April 21, 1947
3 Claims. (Cl. 128—218)



1. For injecting penicillin or similar liquids from a container having an apertured resilient closure at one end and movable plug means within same, improvements comprising; a body formed of strip material to accommodate the container and grip the resilient closure, locking means on the body to hold the body to grip the resilient closure but disengageable to release the grip on the resilient closure, a hollow connector on the body arranged at one end to engage in the aperture in the resilient closure and at the other end to engage a needle, and means on the body to engage the movable plug means.

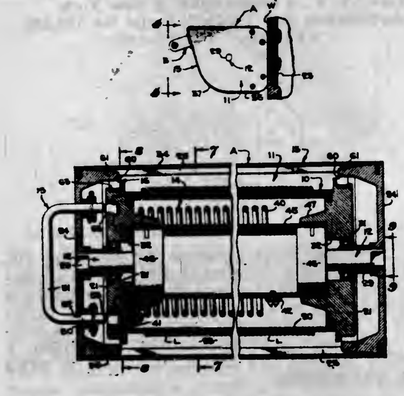
2,481,637
COMBINED MILLING TOOL AND PIPE PULLER
John R. Yancey, Houston, Tex., assignor to A-1 Bit & Tool Company, Houston, Tex., a corporation of Texas
Application February 23, 1945, Serial No. 579,467
10 Claims. (Cl. 164—0.5)

10. A pipe cutting and pulling tool adapted to cut by rotation and shaped to be lowered into a pipe in a well and comprising, a body, a cutter thereon movable outwardly and adapted to cut a window through the pipe upon rotation of the tool, means for moving the cutter outwardly, a grapple on the body, means for moving the grapple outwardly whereby, upon movement of the tool in the pipe to bring the grapple opposite the window, said grapple will be projected out through the window and into position to engage



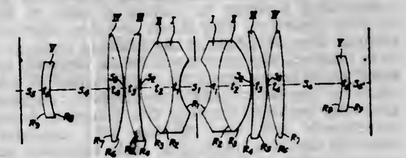
the severed section above upon upward movement of the tool.

2,481,638
RETRACTABLE CLOTHESLINE
James C. Borup, Sherman Oaks, Calif., assignor to Bocaroy Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application October 28, 1947, Serial No. 782,573
11 Claims. (Cl. 211—119.15)



10. In a device of the character described, a housing having end arms with aligned openings, trunnions carried in said openings and projecting inwardly from said end arms, a spool including end plates rotatably mounted on said trunnions and a cylindrical part carried by and extending between said end plates, a line carried by said spool, a core within the spool carried by and extending between said trunnions, and a spring around said core with one end anchored to said core and the other end attached to said spool, said end plates having spring guiding flanges projecting over the end portions of said core, and said end arms having flanges projecting beyond the ends of said spool, said last-named flanges confining the line to the spool.

2,481,639
HIGH-APERTURE COPYING LENS SYSTEM
Fred E. Altman and Charles J. Melech, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N Y., a corporation of New Jersey
Application August 23, 1945, Serial No. 612,204
6 Claims. (Cl. 88—57)



EXAMPLE 1, FIG. 1.

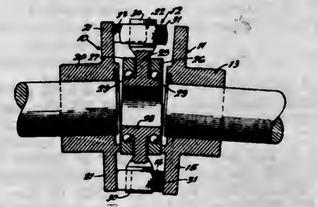
OBJECTIVE: EF = 100 mm. (SYMMETRICAL)

LENS	N	V	RADII	THICKNESSES
SUPERMACRO				S_1 = 17.34 mm
I	1.669	30.9	R_1 = −17.36 mm	t_1 = 2.83
II	1.734	51.1	R_2 = +52.5	t_2 = 17.34
			R_3 = −35.5	S_2 = 0.43
III	1.755	47.2	R_4 = −156.1	t_3 = 7.70
			R_5 = −68.5	S_3 = .49
IV	1.755	47.2	R_6 = +30.1	t_4 = 7.70
			R_7 = −336.	BF = 41.1
FIELD LENS				S_4 = 49.1
V	1.577	64.5	R_8 = −41.6	t_5 = 3.6
			R_9 = −77.5	S_5 = 10.5

SYSTEM: EF = 53.6 mm.
HALF-SYSTEM: EF = 456 mm. APERTURE = f/1.96

1. A large aperture photographic objective for use only at finite conjugates comprising two compound meniscus negative components concave toward each other and axially aligned between two positive members each consisting of two simple positive elements convex toward each other of which the element adjacent the meniscus component has its weaker surface turned thereto, in which the negative components have thicknesses between 0.15 F and 0.29 F and their concave surfaces have radii of curvature between 0.15 F and 0.25 F where F is the focal length of the objective and the powers of all the elements are such that the principal focal points lie between the front and rear surfaces of the objective.

2,481,640
SHAFT COUPLING
Walter E. Amberg, Beverly Shores, Ind.
Application March 11, 1948, Serial No. 14,320
10 Claims. (Cl. 64—21)

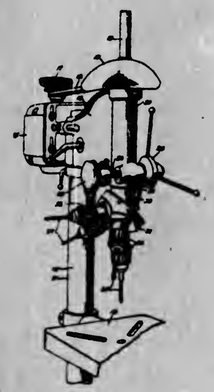


1. A constant velocity and balanced torque shaft coupling for misalined shafts comprising, a first fitting to be secured to one shaft, a second fitting to be secured to the other shaft, at least three diagonal levers interposed between the fittings, a pivotal connection joining the diagonal levers intermediate the ends thereof to form a planetary tripod, and universal connections connecting one end of each diagonal lever and the first fitting only and connecting the other end of each diagonal lever and the second fitting only.

2,481,641
NONACID ACTIVATION PROCESS FOR BLEACHING CLAY
Ernest C. Bierce, Pasadena, Calif.
No Drawing. Application September 16, 1946, Serial No. 697,382
3 Claims. (Cl. 252—457)

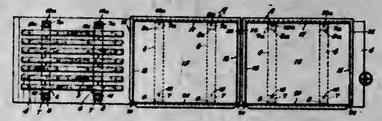
1. The process of activating bleaching clays comprising heating to boiling a pulp of finely divided bleaching clay in an aqueous solution of sodium silicate, heating the aqueous sodium silicate treated clay mixture with an aqueous solution of calcium chloride, separating out and washing the water insoluble calcium compounds and clay residue, treating the insoluble calcium compounds and clay residue with magnesium chloride aqueous solution to form insoluble magnesium compounds, and separating out the insoluble magnesium compounds and clay residue.

2,481,642
MULTIPLE TOOL HEAD
Charles S. Bohmer, Chicago, and Carl A. Grunschel, Park Ridge, Ill.
Application July 8, 1944, Serial No. 544,012
2 Claims. (Cl. 77—25)



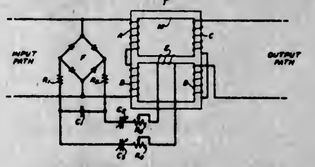
1. A multiple tool head for a drill press having a spindle quill and a driving spindle comprising, an indexing lug carried by the quill and axially movable with the quill, a housing rotatable relatively to the quill, a plurality of driven members carried by the housing to be selectively aligned with the spindle upon rotation of the housing, and an indexing plate in the housing having a plurality of notches for selectively registering with the indexing lug when the driven members are selectively aligned with the spindle, said indexing lug overlying the indexing plate when the quill is axially retracted to permit rotation of the housing and normally prevent axial advance of the quill, said notches in said indexing plate receiving the indexing lug only when the selected driven member is in alignment with the spindle to permit the quill to be axially advanced for engaging the spindle with the selected driven member.

2,481,643
SKIP FOR HANDLING BULK FREIGHT
John W. Burnett, Chicago, Ill., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application October 23, 1944, Serial No. 560,006
7 Claims. (Cl. 105—274)



1. A hinge and abutment connection for a skip including a tipping stop member adapted to be mounted upon a support, said stop member having an upwardly extending stop with a partly cylindrical concave pivot surface and a tipping hook adapted to be mounted on the lower side of a skip and including a downwardly extending hook portion having a lower convex face partly cylindrical in form and adapted to engage the partly cylindrical convex surface of the stop member in pivotal relationship, the tipping hook and the tipping stop member having portions which interpenetrate and are adapted to prevent their relative movement along the axis of tilt of the skip and a back stop element on the tipping stop member adapted to limit movement of the tipping hook away from the tipping stop.

2,481,644
TRANSFORMER RESPONDING TO VARIATIONS IN AMPLITUDE OF INPUT WAVES
William B. Callaway, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1947, Serial No. 759,986
6 Claims. (Cl. 323—48)

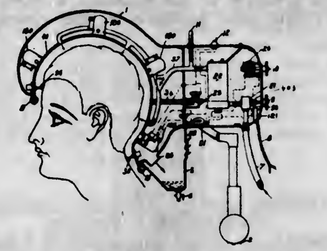


1. A voltage wave envelope differentiator circuit comprising a plurality of windings on a magnetic core and instrumentalities for producing a magnetic bias in said core in response to variations in the amplitude of the envelope of a voltage wave, said instrumentalities comprising a winding on said core and a condenser in series with said winding.

2,481,645
MEANS FOR DRYING HAIR
Fernan Oscar Conill, Cannes, France
Application July 19, 1947, Serial No. 762,059
In France June 8, 1940
7 Claims. (Cl. 34—51)

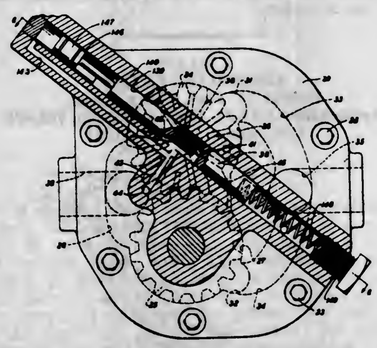
1. In an improved hair drying device in combination a shell adapted to encase the upper part of a human head, means to effect an air-tight seal between said shell and said human head, air inlets spaced throughout said shell, a supply of dry compressed air, electric air heating means, electric supply means and temperature control means for said heater, air connections to direct said air from said supply through said heater

through said inlets into said enclosure, a plurality of exhaust outlets through said shell provided with valves, and adjustable spring-biased means



responsive to the pressure within said enclosure operative to open said valves successively as said pressure in said enclosure reaches a predetermined value.

2,481,646
VARIABLE DELIVERY GEAR PUMP
Robert M. Conklin, Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1943, Serial No. 499,049
1 Claim. (Cl. 103—120)



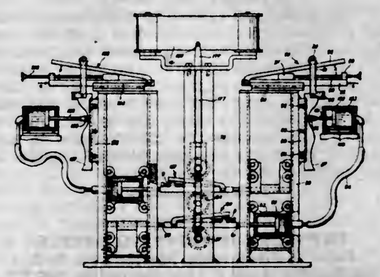
In a gear pump for pumping a liquid and having a housing and a pair of intermeshing pumping gears therein and formed with an intake chamber at one side of the gears and a delivery chamber at the other side of the gears, means to cause the pump while running at constant speed to deliver liquid at substantially constant pressure and in volume variable substantially in inverse ratio to the resistance to delivery, the said means comprising a plurality of radially spaced, radial slots of graduated lengths formed in the side of one of the pumping gears and each communicating at one end with an intertooth space of the gear, a slide positioned in the housing alongside and against the said slotted face of the said gear and diametrically across the said face and movable longitudinally of itself and formed with a transverse bore positionable by motion of the slide to communicate with a variable number of the slots in the gear, the slide being further formed with a longitudinal slot in an outer surface thereof communicating with the said bore, a compression spring bearing against one end of the slide to urge the same longitudinally in one direction of the motion thereof, and a piston in a cylinder in the housing and bearing against the other end of the slide to drive the same against the urge of the said spring, the housing being further formed with a bore communicating with the pressure face of the piston in the cylinder and with the longitudinal slot in the outer face of the slide and with the delivery chamber of the housing.

2,481,647
STAPLE REMOVER
William E. de Generes, Sunland, Calif.
Application January 29, 1945, Serial No. 575,130
2 Claims. (Cl. 254—28)



1. A device for removing staples comprising: a primary member having a handle portion and a base portion terminating in a toe having an aperture therein; a secondary member pivotally mounted on said primary member; said secondary member having a tongue portion extending into the aperture in the base portion of the primary member; stop means for limiting the movement of said members in a direction to cause said tongue to pass downwardly through the aperture in the base portion of the primary member beyond the plane thereof; means mounted between the members for yieldingly holding the members with the said tongue portion in the aperture; yieldable staple engaging means spaced apart and extending over the base portion of the primary member at the sides of the tongue on the secondary member; said yieldable staple engaging means comprising a flat yieldable spring metal member extending between the primary member and the secondary member and having forwardly extending fingers extending over the toe portion of the primary member in spaced relation thereto a sufficient distance to overlie and retain against upward displacement a staple withdrawn by said device.

2,481,648
APPARATUS FOR COMBINING VARIABLE QUANTITIES
William F. Dehn, Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1943, Serial No. 502,546
4 Claims. (Cl. 235—61)



1. In an apparatus for combining plural variable quantities, a first linear cam movable proportionately to one quantity to be combined, an

interchangeably mounted function cam representing a second quantity and driven by the first cam, a second linear cam driven by said function cam, a support shiftable by said second cam, means for guiding the support in a predetermined path, a third linear cam movable proportionately to a third quantity to be combined, a second interchangeably mounted function cam representing a fourth quantity and driven by said third linear cam, a fourth linear cam operable by the said second function cam and mounted on the support to be shiftable therewith and to be movable thereon, and a result member operable by the shifting of said last cam.

2,481,649
ATTENUATOR ASSEMBLY
Edmund Doucette, Newark, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application April 25, 1945, Serial No. 590,266
2 Claims. (Cl. 200—11)



2. In an attenuator having a contact-carrying head, a switch member movable relative to said head and provided with a shaft-receiving bore, a shaft for operating said switch member, a sleeve in said bore, said shaft extending into said sleeve and provided with a cut-out portion a positioning lug formed in said sleeve and engaging in said cut-out portion to connect said shaft and switch member in proper operating position, said shaft provided with a transverse key-receiving opening therein, a locking key having an enlarged head portion and a reduced portion for insertion into said transverse opening, said lug positioned inwardly of the end of said sleeve whereby the head of the locking key is confined within the sleeve, and a spring for urging said lug against the head of said locking key to bind the locking key in locking position.

2,481,650
REMOVING SOLUBLE SALTS FROM PHOTOGRAPHIC EMULSIONS
Scheuring S. Fierke, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 10, 1948, Serial No. 1,672
3 Claims. (Cl. 95—7)

1. The method of removing water-soluble salts from a dispersion of silver halide in gelatin, said dispersion having been prepared by dissolving water-soluble salts of silver and of a halide in said gelatin and precipitating said silver halide therein which comprises precipitating said gelatin together with the silver halide, with trichloroacetic acid, leaving the soluble salts in solution, and removing the precipitated gelatin and silver halide from the solution.

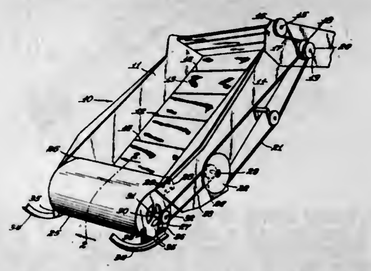
2,481,651
PRESSURE INDICATING DEVICE
John T. Fitzpatrick, Morristown, N. J.
Application April 5, 1945, Serial No. 586,773
3 Claims. (Cl. 73—395)

2. The combination with a gage adapted to show pressures, of a heavily built unit on which it is mounted and including a first conduit to the gage, a second heavily built unit including a chamber leading to the conduit, means for transmitting pressure to the chamber, a check valve for holding said pressure in the chamber, a



plunger in the first conduit, a body of oil filling the space between the plunger and wall of the pressure responsive element of the gage, whereby the plunger transmits pressure to the gage and protects the same from heat, and a bleed valve for the chamber.

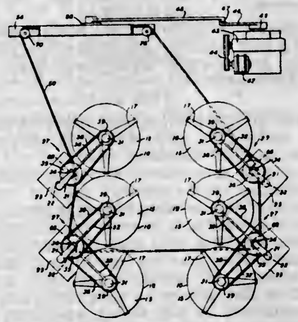
2,481,652
SEED HARVESTER
Robert W. Fort, Colby, Kans.
Application July 25, 1947, Serial No. 763,640
19 Claims. (Cl. 56—126)



1. For use with a harvester having a platform structure and means for receiving harvested material: a harvesting attachment comprising, an elongated generally cylindrical drum positionable transversely to and in front of the platform structure and including an elongated open bottom providing communication between the interior of the drum and ground-borne material to be harvested; means for connecting the drum to the platform structure; ground-engaging means on the drum including runners for carrying the drum over the ground; a rotary element extending axially through the drum and journaled therein; means for rotating the element; said drum having air intake openings respectively in the ends thereof and also having a discharge opening leading generally tangential therefrom for discharging to the material-receiving means of the harvester; and means carried by the rotary element for rotation therewith within the drum for harvesting material from the ground and for discharging such material through the discharge opening in the drum to the material-receiving means of the

harvester, including a plurality of flail-like members swingably connected to the rotary element in axially spaced relation within the drum, and extendible generally radially outwardly from the axis of the rotary element as said element is rotated, certain of said members including portions for harvesting ground-borne material through the open bottom in the drum, and other portions generally transverse to the direction of rotation of the rotary element and providing fan means for creating an air blast within the drum and directed through the discharge opening.

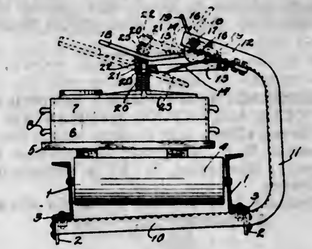
2,481,653
DRIVING MECHANISM FOR ARTICLE FORMING APPARATUS
Leonard A. Freeman, Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,188
7 Claims. (Cl. 23—273)



7. A driving mechanism for crystal supporting spiders mounted for rocking movement in solutions in tanks disposed at spaced positions relative to each other, the driving mechanism comprising an element mounted for movement in a path between given limits, vertical shafts rotatably mounted adjacent the tanks, units carried by the shafts to operatively connect the shafts to the spiders, the units being disengageable from their spiders and their shafts for movement about their shafts out of alignment with the tanks, means to move the element between its limits, and a member movable by the element to transfer the motions of the element through the shafts and units to the spiders to cause rocking motions of the spiders in their solutions.

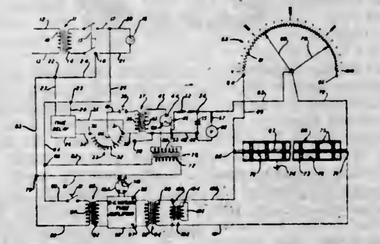
2,481,654
MOLD CLAMPING AND POURING SYSTEM
George W. Fuller, Huntington Park, Calif., assignor to National Engineering Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1944, Serial No. 542,655
2 Claims. (Cl. 22—112)

1. In a clamping device for applying pressure to the top of a foundry mold, a clamping member adapted to be positioned on the top of the mold and having an upstanding stem portion, a resilient member disposed around said stem substantially centrally on said clamping member, a clamping arm having an aperture for receiving the stem in universally pivoting relation and having an outer end in operable contact with said resilient member, and a cam means for locking said clamping arm and said clamping member down on the mold against the resistance of said resilient member, said resilient member being



removably disposed on said clamping member for adjustment purposes.

2,481,655
APPARATUS FOR LOCATING FAULTS IN CABLES
Richard D. Gambrill, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1946, Serial No. 680,497
3 Claims. (Cl. 175—183)



1. In an apparatus for testing for and locating faults which provide paths of reduced dielectric strength between the filamentary central conductor and the tubular conductor of a coaxial unit, including a calibrated potentiometer winding connected across the ends of the central conductor of a coaxial unit to be tested so as to form a parallel circuit therewith and means for impressing across the potentiometer winding and the tubular conductor of the coaxial unit a unidirectional potential having an intensity sufficient to break down the air dielectric between the conductors of the coaxial unit at a fault therein and cause a pulsating breakdown current to flow through the parallel circuit and form a Wheatstone bridge circuit, said pulsating breakdown current consisting of a fundamental uni-directional current pulse having various high frequency components superposed thereon, an improved detector circuit connected across the ends of the central conductor of the coaxial unit which comprises a sensitive D. C. current responsive meter connected therein for indicating when a breakdown occurs in the coaxial unit and when the bridge circuit is balanced, electronic means connected between the D. C. meter and the bridge circuit for limiting the current flowing in the detector circuit to a value within the range of the meter, a non-capacitive impedance designed to block out the high frequency components of the breakdown current and pass only the fundamental current pulse thereof to the current limiting means and the D. C. meter, and a second non-capacitive impedance designed to pass the high frequency components of the breakdown current

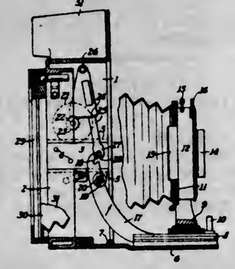
which were stopped by the first-mentioned impedance and permit the said high frequency components to return to the bridge circuit without interfering with the balancing of the bridge circuit.

2,481,656

INTERCONNECTED CAMERA FINDER AND FOCUS ADJUSTING MECHANISM

John Warren Gillen and George Albert Haraden, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 6, 1946, Serial No. 674,881
7 Claims. (Cl. 95—44)



1. In an adjusting mechanism for cameras, the combination with a camera including two parts, comprising a camera body and a frame slidably mounted therein, means carried by the frame for supporting a film to be exposed; means for moving the frame relative to the camera body for focusing, a bed hinged to the camera body, an objective mounted to slide independently of the frame and on the bed to a selected position, said frame being movable axially of the objective to and from the objective in focusing, a focus-determining device comprising focusing scales mounted in spaced parallel relation on the frame and a pointer mounted on the camera body, the scales each having graduations for lenses of different focal lengths, a movable mount for adjusting a selected scale relative to the pointer and into an operative relation thereto, a split-field range finder including a movably-mounted reflector mounted on the camera body and including a cam follower, cams carried by the frame for coacting one at a time with the cam follower and for moving the reflector, said cams being in parallel and spaced relation and being movably mounted whereby one cam at a time may be moved into operative relationship with the cam follower, and means for simultaneously moving the focusing scales and cams to bring a correlated scale and cam into an operative position.

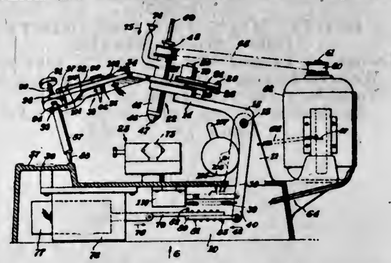
2,481,657

ELECTRICALLY OPERATED ENGRAVING AND COPYING MACHINE

Gerhard G. Gruettner, New York, N. Y., assignor to New Hermes Engraving Machine Corp., New York, N. Y.

Application January 25, 1946, Serial No. 643,317
3 Claims. (Cl. 90—13.1)

1. In an engraving or copying machine for reproducing indicia, a base; a work holder secured to said base; a tool support mounted on said base movably in direction toward and away from said work holder; a pantograph mechanism carried by said tool support; an engraving tool turnably carried by said pantograph mechanism; indicia holding means secured to said base for holding the indicia to be reproduced; a stylus movably mounted on and carried by said pantograph mechanism for following the indicia held by said indicia holding means; means mounted on said base tending to move said tool support together with said pantograph mechanism and said engraving tool away from said work holder; electrical moving means mounted on said base for moving said tool support together with said pantograph mechanism and said engraving tool toward said work holder; electric switch means including two electrical contact members both of which are mounted on and carried by said



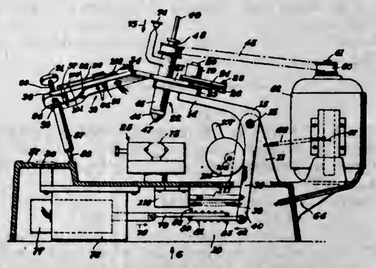
stylus; switch operating means movably mounted on and carried by said stylus for moving said electrical contact members into and out of engagement with each other; and an electrical circuit including said electrical contact members and said electrical moving means in such a manner that said electrical moving means move said tool holder together with said pantograph mechanism and said engraving tool toward said work holder when said electrical contact members mounted on and carried by said stylus are moved into engagement by said switch operating means also mounted on and carried by said stylus during operation of the same.

2,481,658

ELECTROMAGNETIC OPERATING MEANS FOR ENGRAVING AND COPYING MACHINES

Gerhard G. Gruettner, New York, N. Y., assignor to New Hermes Engraving Machine Corp., New York, N. Y.

Application January 25, 1946, Serial No. 643,318
5 Claims. (Cl. 90—13.1)



1. In an engraving or copying machine for reproducing indicia, a base; a support turnably attached to said base; a movable pantograph mechanism turnably pivoted to said support; an engraving tool rotatably secured to said pantograph mechanism; a work holder secured to said base and located at least substantially under said engraving tool; means mounted on said base

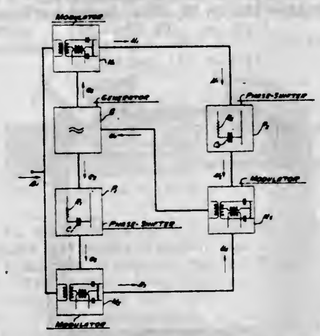
tending to move said engraving tool in direction away from said work holder; electromagnetic moving means mounted on said base; resilient motion transmitting means resiliently connecting said electromagnetic moving means with said turnable support and adapted to turn said support together with said pantograph mechanism and said engraving tool rotatably secured to the same toward said work holder secured to said base; means secured to said base for holding said indicia to be reproduced; a stylus for following said indicia attached to said pantograph mechanism; electric switch means mounted on said stylus; and an electric circuit including said electromagnetic moving means, said electric switch means and a source of electric current so as to enable operation of said electromagnetic moving means and movement of said tool holder by means of said resilient motion transmitting means toward said work holder each time said electric switch means are closed.

2,481,659

MEANS FOR AND METHOD OF SYNCHRONIZING ALTERNATING ELECTRIC VOLTAGES

Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application September 11, 1947, Serial No. 773,392
In Switzerland July 11, 1942
14 Claims. (Cl. 250—36)



12. The combination with a pair of oscillatory energy sources at least one of which has a frequency variable in accordance with a control voltage, means for producing a frequency control voltage for restoring and maintaining the synchronism between said sources comprising means for deriving from said sources a pair of difference frequency voltages having a predetermined constant phase relation, further means for additionally varying the relative phase of said difference frequency voltages in direct proportion to the frequency thereof, means for intermodulating the phase shifted difference frequency voltages, and further means for utilizing the modulation product to derive a frequency control voltage.

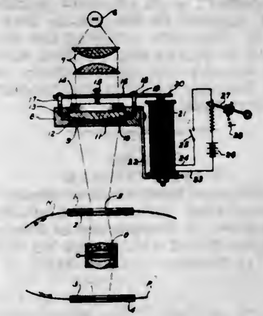
2,481,660

FLUID DIAPHRAGM

Henry Harrison, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 7, 1946, Serial No. 708,394
5 Claims. (Cl. 95—64)

1. An optical diaphragm comprising a pair of light-transmitting members, one having a flat flexible surface facing the other and the other having a spherically-curved surface normally contacting the flat surface of the first-mentioned member, a layer of light-obstructing fluid between the curved and flat surfaces forming a diaphragm, and means to vary the pressure between the contacting curved and flat surfaces to flex the flat surface and to vary the shape of the light-obstructing fluid forming the diaphragm,



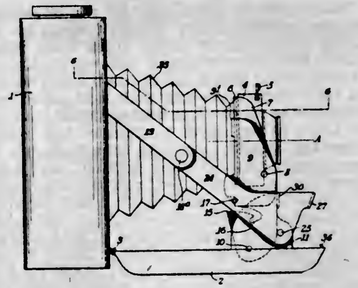
a third light-transmitting member adjacent to, but spaced from, the flat light-transmitting member and a layer of liquid between, adapted to change in shape when pressure is applied to the curved and flat surfaces to flex the flat surface and to alter the diaphragm shape, said layer of liquid last referred to optically compensating for the power of the system.

2,481,661

SELF-ERECTING FRONT CAMERA

Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

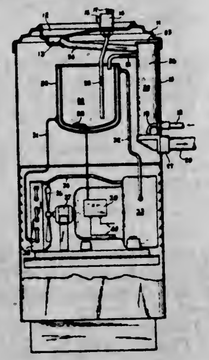
Application January 5, 1946, Serial No. 639,302
5 Claims. (Cl. 95—40)



1. In a self-erecting front camera of the type including a camera body, a camera bed hingedly attached thereto, and means for supporting the bed in an open position including bed braces, each comprising hinged links pivotally attached to the camera body and to the camera bed and foldable about their hinge when the bed is in folded position, the combination with said braces, of a pin on a lower brace movable through a fixed path as the lower brace turns about its hinge connection with the camera bed, a lens board, an erecting link pivotally attached to the lens board, a pivotal mount on the camera bed carrying the erecting link, a cam on the erecting link lying in the path of movement of the pin and engaging said pin on the bed brace when the camera is

erect, said cam on the erecting link lying between the pin on the bed brace and the pivotal support between the bed brace and bed, a cam on the lens board also lying in the path of movement of and engaging said pin when the camera is erect, said cam on the lens board lying between the pin on the bed brace and the pivotal connection between the bed brace and bed, both cams when the camera is in an erect position being frictionally engaged by the pin as they lie substantially in alignment whereby the lens board may be held in an erecting position and against movement toward the camera body until the pin moves from its position for supporting the bed in an open position.

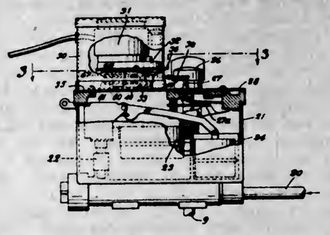
2,481,662
WATER COOLER
Roger W. Hastings, Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1943, Serial No. 485,814
15 Claims. (Cl. 62—141)



1. In a drinking fountain, the combination of means for refrigerating a liquid, a spout for discharging refrigerated liquid from said means, a catch basin for receiving wasted portions of said refrigerated liquid, an approximately vertical metal tube communicating with said catch basin in a manner to receive the wasted liquid from said catch basin at an upper portion of the interior wall surface of said tube, said tube having a discharge opening in its lower portion, and means for supplying a liquid to said refrigerating means and for distributing waste liquid which may tend to flow down a portion of the interior wall surface of said tube over a larger portion of said wall surface, said means for supplying liquid to said refrigerating means being in intimate heat exchange relationship with the walls of said tube, the interior passageway of said tube and said discharge opening being so large with respect to the wasted liquid flowing therethrough during normal usage of said fountain that said passageway is not completely filled by said wasted liquid.

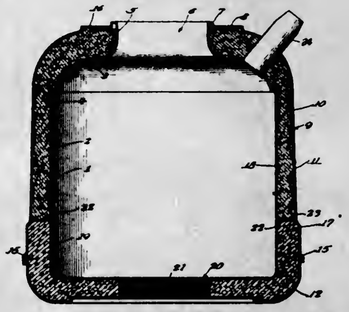
2,481,663
MODULATING CONTROL
Bruce Hayter, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application February 9, 1945, Serial No. 577,084
5 Claims. (Cl. 236—74)

3. In a conversion unit adapted to be applied to a float valve assembly for liquid fuel valve assemblies having an exterior manual control knob and an exteriorly extending secondary valve control element, a housing, a reversible rotary motor in said housing, a control arm having a portion aligned with and opposable to said secondary valve control member, means for moving



said control arm in response to rotation of said reversible motor in either direction, means for normally maintaining an operative relationship between said control arm and said secondary valve control, and for interrupting said operative relationship while permitting movement of said control arm and rotation of said motor.

2,481,664
INSULATED CONTAINER
Joseph L. Hemp, Macomb, Ill.
Application March 19, 1945, Serial No. 583,628
1 Claim. (Cl. 220—15)



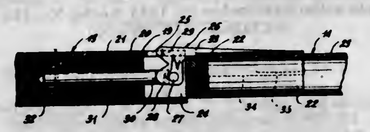
A double walled container comprising a metallic inner liner including an enclosing wall portion, a circular bottom portion and a tubular neck portion, said neck portion being formed with an outwardly extending annular flange; an outer metallic casing receiving the inner liner in spaced relation and cooperating therewith to provide a continuous annular jacket space around the bottom, wall and neck portions of the inner liner, said outer casing being formed with an inwardly extending flange complementally engaging the upper face of the flange on the neck portion of the liner; a molded cork member of cup-shape formed with a central recess in its bottom portion, said member filling the jacket space between the bottom and the lower wall portions of the liner and casing except for said central recess; a packed mass of divided insulation filling the remainder of the jacket space between the wall and neck portions of the liner and casing; and a rubber-like plug fitted within the central recess of the cork member and engaging the adjacent portion of the liner, said plug being under tension and acting constantly to hold said flanges in complemental engagement.

2,481,665
FILM WINDING MECHANISM FOR CAMERAS
Julius A. Henne, Rochester, N. Y., assignor to Webster Industries, Inc., Webster, N. Y., a corporation of New York
Application March 20, 1947, Serial No. 735,986
3 Claims. (Cl. 242—74)



1. In a camera, film winding mechanism comprising a rotatable tubular film support having a slot extending longitudinally of its wall, and a generally rectangular flexible spring plate of greater width than the interior diameter of said tubular support before insertion therein and arranged within said tubular support in flexed U-shaped form with its longitudinal edges yieldably engaging opposite points of the interior surface and acting to retain the plate in position with its convex central portion intermediate its longitudinal edges extending into said slot.

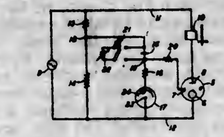
2,481,666
STRUT CONSTRUCTION FOR DRAFTING MACHINES
John A. Hislop, Pasadena, Calif., assignor to Vard, Inc., Pasadena, Calif., a corporation of California
Application March 5, 1946, Serial No. 652,104
3 Claims. (Cl. 33—79)



1. In an articulated arm drafting machine of the band and pulley type having an arm construction including, a pair of pulleys, a pair of pulley supporting heads, a band trained over said pulleys, and a single strut rod interposed between said heads to hold said pulleys in such spaced relation as to maintain frictional engagement between said pulleys and band; the improvement of an adapter interposed between said strut rod and one of said heads for telescopically assembling said rod and head, a cam on said adapter, a plunger slidable in said adapter extending in the direction of the longitudinal axis of said arm and having its ends respectively engageable with said cam and said head, and means rotatably mounting said cam on said adapter for movement between one position urging said plunger against said head and another position permitting said plunger to retract from said head to thereby effect an extension and contraction of said arm to tighten or loosen said band relative to said pulleys.

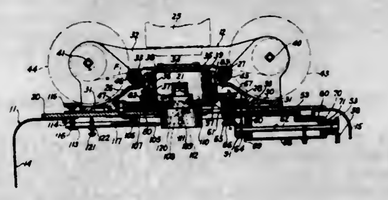
2,481,667
ELECTROOPTICAL SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1947, Serial No. 749,725
19 Claims. (Cl. 250—41.5)

1. A photoelectric control system comprising a gaseous discharge trigger tube having a cathode, an anode, and a control electrode, a source of alternating current voltage, a voltage divider connected across said source of voltage, a series circuit including a condenser and a photoelectric tube having a cathode and an anode connected across a portion of said voltage divider with the anode remote from said condenser in said series circuit, a conductive connection from a point



in said series circuit intermediate said condenser and said photoelectric tube to said control electrode, a conductive connection from the cathode of said trigger tube to the portion of the voltage divider to which said photoelectric tube is connected, and a conductive connection from the anode of said trigger tube to the portion of said voltage divider to which said photoelectric tube is not connected.

2,481,668
FILM-HANDLING APPARATUS AND FILM READER PROJECTOR
Roy S. Hopkins, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 2, 1946, Serial No. 680,990
11 Claims. (Cl. 88—24)

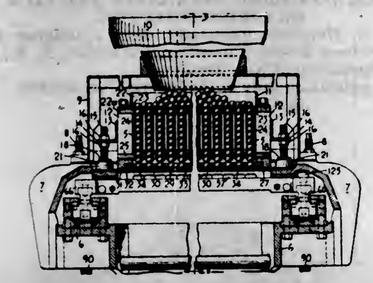


1. In a film-handling apparatus, the combination with a film-supporting means including two separable film-engaging members for engaging and positioning a film strip in a plane determined by one of said film-engaging members, a film-advancing means for moving said film strip in a plane parallel to and displaced from said first-mentioned plane and between said separated film-engaging members, and an objective member having a focal plane and an optical axis and for projecting an image of said film strip, of an objective mounting means for supporting said objective member in a position in which the focal plane thereof coincides with said first-mentioned film plane and for movement along said axis to a second position in which the focal plane thereof coincides with said second-mentioned film plane, and an operating means responsive to said film-advancing means for simultaneously actuating said film-engaging members and moving said objective mounting means so that the focal plane of said objective member moves from said first-mentioned film plane into coincidence with the displaced plane of said film strip.

2,481,669
PROCESS FOR PRODUCING ENOL ACETATES
David C. Hull and Albert H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 9, 1946, Serial No. 689,376
7 Claims. (Cl. 260—488)

1. The process of preparing enol acetates which comprises absorbing ketene in a ketone having at least two hydrogen atoms on each carbon atom attached to the carbonyl group, in the presence of an acid condensation catalyst capable of enolizing the ketone and selected from the group consisting of sulfuric, phosphoric, hydrochloric, p-toluene sulfonic, benzene sulfonic, m-benzene disulfonic, p-xylene sulfonic, p-nitro benzene sulfonic and m-nitro-benzene sulfonic acids, at a pressure of not over about 150 mm. and a temperature within the range of —50° C. to 0° C., and thereafter causing the ketene to react with the ketone to form an enol acetate at at least atmospheric pressure and at a temperature of 30 to 100° C.

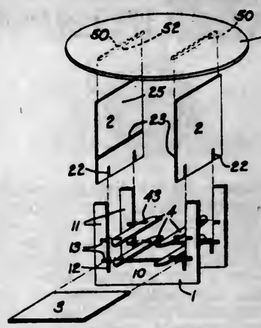
2,481,670
PRESS MECHANISM
Bertrand Japikse, Reiffton, Pa., assignor to Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa., a corporation of Pennsylvania
Application May 15, 1945, Serial No. 593,847
11 Claims. (Cl. 18—16)



4. In a mechanism, the combination of stationary and movable dies, a feeding device arranged to deposit a plurality of preforms on said movable die, said feeding device comprising upper and lower plates having normally misaligned openings, the openings of said upper plate arranged to accommodate preforms and said lower plate normally supporting said preforms in said upper plate openings, a curtain arranged to be unwound by said feeding device beneath said stationary die to receive fabricated articles at the completion of a full cycle of said movable die, and means associated with said curtain for collecting said fabricated articles.

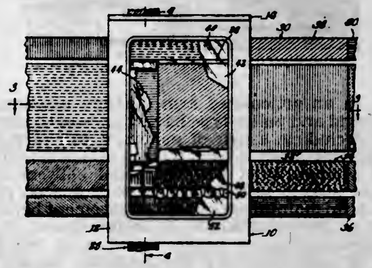
2,481,671
ARTICLE OF FURNITURE
Hasel E. John and Eugene Allen John, Seattle, Wash.
Application December 11, 1945, Serial No. 634,263
13 Claims. (Cl. 211—148)

1. An article of furniture comprising two spaced substantially U-shaped end walls having their arms disposed uprightly, and two spaced side walls abutting the inner edges of said upright arms of the end walls, said side walls and end walls being complementally notched to snugly interfit in such relationship by relative vertical movement, a substantially horizontal plate member of a length to extend past at least one end wall, and of such width that, when interposed between the two opposite side walls, at the level of the cross bars of



the end walls, it urges the side walls against the inner edges of the upright arms of the end walls to deter relative vertical separation of the end and side walls, and locks such walls against wracking in a lateral sense.

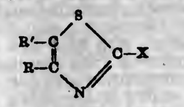
2,481,672
COLOR EXHIBITING DEVICE
Arthur Kanaske, Chicago, Ill., assignor to Benjamin W. Waldie and George L. Briggs, co-partners doing business as Behel and Waldie and Briggs, Chicago, Ill.
Application September 26, 1945, Serial No. 618,674
5 Claims. (Cl. 35—55)



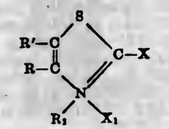
4. A device for exhibiting a pictorial subject having a group of features for which surface appearances are to be selected comprising a sheet-like support, said support having formed therein a plurality of pairs of spaced apart openings for receiving and slidably holding strips of material, a plurality of relatively flexible strips of material mounted in said openings and movable independent of each other, each strip of material having a plurality of sections each of a different surface appearance, certain of said strips extending transversely of said support, and at least one strip extending at an angle to said transversely extending strips, and a front sheet of material secured at at least one edge of said support for cooperation therewith and with said strips of material, said front sheet being formed of material which is at least translucent to transparent, said sheet having opaque coating material applied thereto to delineate visible areas through which different surface appearances are to be selected by movement of said strips of material.

2,481,673
2-AMINO- AND 2-ALKYLTHIO-4-(2-FURYL)-THIAZOLES
Edward B. Knott, Frances M. Hamer, and Russell J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1946, Serial No. 646,207. In Great Britain March 1, 1945
8 Claims. (Cl. 260—302)

1. A compound selected from the group consisting of those compounds which are represented by the following general formulas:



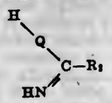
and



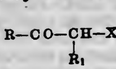
wherein R represents at 2-furyl group, R′ represents a member selected from the group consisting of a hydrogen atom, an alkyl group, an aralkyl group and an aryl group, X represents a member selected from the group consisting of an amino group, an alkylthio group and an aralkylthio group, X_1 represents an anion and R_2 represents a member selected grom the group consisting of an alkyl and an aralkyl group.

2,481,674
4-(2-PYRRYL) THIAZOLES AND 4-(2-PYRRYL) SELENAZOLES
Edward B. Knott, Frances M. Hamer, and Russell J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1946, Serial No. 646,208. In Great Britain March 1, 1945
10 Claims. (Cl. 260—298)

1. A process for preparing a 4-(2-pyrryl) azole comprising condensing an amide selected from the group consisting of amides represented by the following general formula:

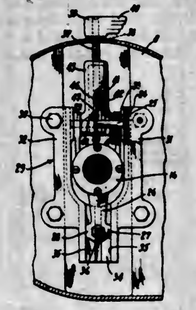


wherein Q represents an atom selected from the group consisting of a sulfur and a selenium atom, and R_2 represents a member selected from the group consisting of an amino group, an alkylamino group, an aralkylamino group, an arylamino group, an alkyl group, an aralkyl group and an aryl group, with a ketone selected from those represented by the following general formula:



wherein R represents a 2-pyrryl group, R_1 represents a member selected from the group consisting of a hydrogen atom, an alkyl group, an aralkyl group and an aryl group, and X represents a halogen atom selected from the group consisting of a chlorine atom, a bromine atom and an iodine atom.

2,481,675
ADJUSTABLE PULLEY MOUNTING FOR BAND SAWS
William Lasar, Los Angeles, Calif.
Original application February 18, 1943, Serial No. 476,264. Divided and this application March 5, 1945, Serial No. 581,039
4 Claims. (Cl. 143—27)



2. In a pulley mounting for use with a system including an endless band trained over a pair of pulleys, a pulley shaft, a carriage mounting the pulley shaft, a stationary support, a pair of spaced parallel vertically extending open-ended channel-shaped trackways on said support, a guide on each side of said carriage extending into said channels to guide said carriage in vertical movements, said guides being rotatable in said channels and having rounded surfaces bearing against the trackways permitting tilting of said carriage, screw means suspending said carriage from said support for vertical movement relative thereto, and tilting means on said carriage spaced vertically from said guide means and adjustable toward and away from said support for tilting said carriage to align the pulley with the plane of movement of the band.

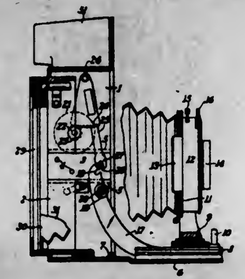
2,481,676
HARDENED POLYVINYL ALCOHOL SILVER HALIDE PHOTOGRAPHIC COATINGS
Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 13, 1947, Serial No. 768,477
7 Claims. (Cl. 95—7)

1. A polyvinyl alcohol-silver halide photographic emulsion adapted to give coatings resistant to the softening effect of hot rolls comprising silver halide dispersed in a polyvinyl alcohol protective colloid containing therein a hardener prepared by heating together at 50–100° C. 0.5–1.5 parts of formaldehyde, 0.5–2 parts of urea, and 1–10 parts of polyvinyl alcohol, the hardener being present in the emulsion in the proportion of 1–27 parts of hardener based on the formaldehyde therein per 100 parts of polyvinyl alcohol.

2,481,677
CAMERA FINDER AND FOCUS INTERLOCKING MECHANISM
Ralph E. McAdam and Kenneth E. Bauer, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 6, 1946, Serial No. 674,853
8 Claims. (Cl. 95—44)

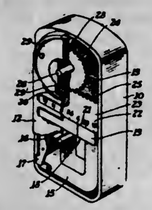
1. In an adjusting mechanism for cameras, the combination with a camera including a body, a

part telescopically mounted on the body and adapted for movement relative thereto for focusing, means for receiving sensitized material carried by said part, an objective, means for supporting said objective at a selected distance from the camera body, a split-field type of range finder mechanism including an operating lever carried by the camera body, a finder carried by the camera body, means for correcting for parallax included in the finder and including a cam follower, a series of range finder cams and a series of parallax correcting cams all spaced apart and all car-



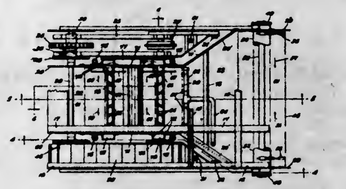
ried by said camera part, a series of focusing scales all spaced apart and carried by the part telescopically mounted on the camera body, a transverse slide carried by the camera part and carrying the focusing scales, a movable mount carrying the series of cams for positioning a finder cam to coact with the parallax correcting cam follower and for positioning a range finder cam to coact with the range finder operating lever and a linkage connecting the series of cams and the focusing scales whereby they may be simultaneously and differentially moved.

2,481,678
PHOTOELECTRIC EXPOSURE METER HAVING CONNECTED MOVABLE GALVANOMETER AND CALCULATOR SCALES
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 14, 1946, Serial No. 654,327
1 Claim. (Cl. 88—23)



An exposure meter comprising in combination a casing; a light-sensitive cell in said casing; a galvanometer in said casing including a pointer and connected to and operated by said cell; a tape movably supported in said casing to move longitudinally in the plane of movement of the galvanometer pointer; a galvanometer scale on said tape and labeled in lens aperture units, and consisting of a row of individual marks substantially evenly spaced longitudinally of said tape along which the galvanometer pointer moves; said pointer being curved to cause it to move substantially linearly along said scale in response to the output of said cell; means for adjusting said tape, including a manually adjustable rotatable member having its axis parallel to the axis of the pointer and having a positive drive connection with said tape; a fixed arcuate scale and a movable arcuate scale mounted in adjacent relationship on said casing and having the same axis as the adjustable member, one of said scales calibrated in shutter speeds and the other in film speeds; means for positively connecting said movable scale to said adjustable member whereby said movable scale is moved relative to said fixed scale and said tape is moved longitudinally when said manually adjustable member is moved; a movable rotatable plate having the same axis as the adjustable member in covering relation with said two scales, and including a window of such size and disposition as to uncover simultaneously one calibration on each of said scales in any given position of adjustment of said plate; means for frictionally connecting said plate to said manually adjustable member so that it will normally be moved with said member; and means for selectively holding said plate against movement as said adjustable member is moved, whereby said tape and the scale thereon can be adjusted in accordance with any combination of shutter speed and film speed.

2,481,679
ROAD BUILDING MACHINE
Arthur E. Miller and Edwin A. C. Eickstaedt, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1945, Serial No. 601,694
2 Claims. (Cl. 94—44)



1. In a machine for progressively preparing a stabilized-soil base for roads and pavements, the combination of a housing having a pair of tandem communicating chambers; means supporting said housing for ground traverse; a rotor journalled in the forward chamber crosswise thereof and provided with an axially extending series of soil-disintegrating teeth each having a portion disposed at an angle to its path of rotation, the angularity of all teeth to one side of the median plane of the rotor being opposite to that of the teeth to the other side of said plane, whereby the teeth tend to move all soil toward such plane; a pair of mixing rotors journalled in the rearward chamber crosswise thereof and in tandem, each of which rotors is provided to each side of its median plane with a set of spaced mixing blades disposed at an angle to their paths of rotation, the angularities of the sets of blades on the forward rotor being opposite to one another and such that the blades tend to move the soil away from the median plane of such rotor, while the angularities of the sets of blades on the rearward rotor are opposite to one another and such that said blades tend to move the soil toward the median plane; means for driving the rotor in the forward chamber; and means for driving the mixing rotors at speeds different from one another.

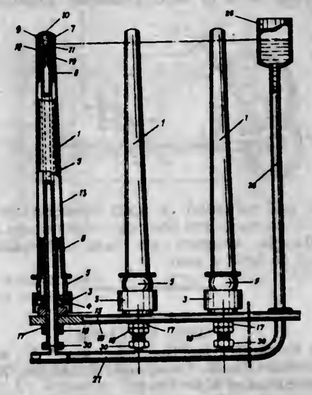
2,481,680
SOLENOID OPERATED DICE AGITATING GAME DEVICE
Byron E. Mills, Detroit, Mich.
Application June 7, 1946, Serial No. 675,268
3 Claims. (Cl. 273—145)



1. A device of the class described comprising: a casing; a solenoid coil mounted in said casing; a partition mounted in said casing adjacent its upper end and having a central opening formed therethrough; a plate positioned below said partition and secured in fixed relation thereto and having a central opening formed therethrough registering with the opening in said partition; a bottom on said casing; a cup-shaped member projecting inwardly from the center of said bottom; a tube engaging at one end in said cup-shaped member and at its opposite end in the opening formed in said plate and extending through said coil; a supporting platform positioned above said partition and movable relatively thereto; a threaded member secured at one end to said platform and projected through the opening in said partition into said tube; a nut on said threaded member above said partition; a nut on said threaded member below said partition, said last named nut being adapted for engaging said partition and limiting movement of said platform relatively to said partition; a metallic core positioned in said tube and movable, upon energizing of said coil, into engagement with said threaded member and forcing said platform upwardly.

2,481,681
SPINNING SPINDLE
Joaquim Montané, Petropolis, Brazil
Application May 24, 1946, Serial No. 671,967
In Argentina June 5, 1945
5 Claims. (Cl. 57—134)

1. In a spinning spindle assembly of the type described, a rotatable spindle comprising a lower portion formed by a cylindrical box-like base part, a flanged sleeve extending upward, and a pulley between said base part and sleeve; an upper portion formed by a cylindrical head having a frusto conical cup-like downward extension; and a central, tubular main portion rigidly fastened at the inner surface of its lower end to the outer surface of said flanged sleeve, and, at its outer end, to the outer surface of said cup-like extension, a ball bearing for the spindle, said bearing being housed by said box-like base part, a hollow stationary shaft centrally arranged in and housed by said spindle, for supporting and guiding both ends of said spindle, a cup-shaped bearing secured in the upper end of said shaft, and a



rotatable supporting element centrally arranged in said cylindrical head and journaled in said cup-shaped bearing.

2,481,682
ADJUSTABLE RESISTOR
Viron E. Payne, Mather Field, Calif.
Application September 13, 1948, Serial No. 49,103
2 Claims. (Cl. 201—58)

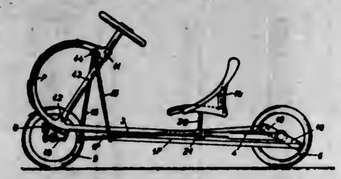


1. An adjustable resistor for electronic circuits or the like comprising an elongated body of resistance material, said body being provided with a central longitudinal bore for the major portion of its length, the outer surface of the body being threaded, a terminal element fixed to the body at the end thereof adjacent the inner end of the bore, a metallic sleeve, such sleeve being interiorly threaded and engaging the threads on the body whereby the sleeve may be selectively moved along the length of the body, a pin formed integrally with the inner end of the sleeve and extending through the length of the sleeve concentrically with the latter, said pin projecting into the bore of the body and movable longitudinally of the body with the movement of the sleeve relative to the body, and a terminal element fixed to the outer end of the sleeve.

2,481,683
TRICYCLE
Jiří Poláček, Rokycany, Czechoslovakia
Application February 23, 1946, Serial No. 649,543
In Germany January 12, 1942
2 Claims. (Cl. 280—282)

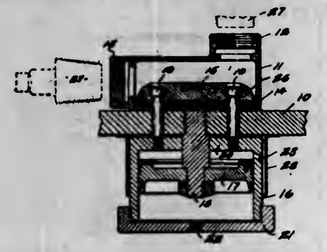
2. In a frame for tricycles having a driven rear wheel, a pair of steering front wheels and a steering column actuating said front wheels, the combination comprising a basically J-shaped bar or tube having a curved forward portion extending upward in a vertical plane and ending into a sleeve surrounding the upper part of the turnable

steering column whose lower end is supported by said J-shaped member at the beginning of its bending, the end of the essentially horizontally extending arm of said J-shaped member being



forked and adapted to hold between its prongs and driving shaft for the rear wheel and a slidable and fixable support on said extending arm adapted to hold a seat.

2,481,684
WORK HOLDER
Joseph Rock, Jr., North Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,211
2 Claims. (Cl. 279—4)



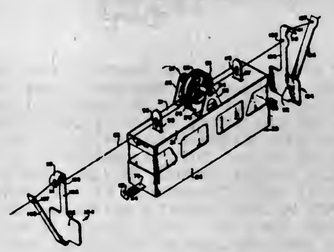
1. A work holder for holding a work piece comprising a rigid support having a flat surface adapted to receive and support the work piece, a work piece engaging member formed of resilient material mounted on said support, the periphery of said member being shaped complemental to said work piece, a compression plate overlying said member and being coextensive therewith, and being movable toward said support to compress said member, said member being operable upon such compression to expand into engagement with the work piece, and power actuated means mounted on the under side of said support and operable to effect compression movement of said plate.

2,481,685
AUTOMOBILE OR LIKE TOWING DEVICE
Clarence T. Rogers, Akron, Ohio
Application December 6, 1946, Serial No. 714,556
7 Claims. (Cl. 280—33.14)



1. A towing device of the character described, comprising a bar including a plurality of rigid, elongated sections having adjacent ends connected in overlapping relation in a longitudinally extended position of the bar, spaced pins extended through each said overlapping connection for rigidly retaining the sections in said extended position thereof, one of said spaced pins constituting a pivot between adjacent sections of each and the other pin being removable, whereby upon removal of said removable pin the bar is collapsible to compact length approximating the length of one of the segments thereof, elements pivoted to the extreme outer ends of said bar to be swingable substantially in a vertical plane, and adjustable clamping means pivoted on each said element to be swingable in a horizontal plane, said clamping means including movable jaws adjustable to grip opposite portions of a vehicle bumper or like structure.

2,481,686
MOTOR-DRIVEN TOY VEHICLE
Edwin O. Roggenstein, Ilion, N. Y., assignor, by mesne assignments, to Robert Groben, Utica, N. Y., trustee of Elec-Trick-Toy, Inc., bankrupt
Application July 26, 1947, Serial No. 763,795
4 Claims. (Cl. 46—45)

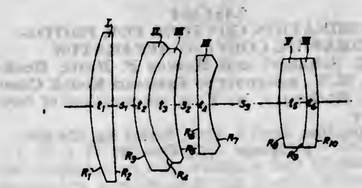


1. The combination with a cable; of a toy vehicle including a vibrator power source, a drive wheel normally free to rotate in either direction upon said cable, means operable under control of said power source for rotating said drive wheel in one direction, and switch means movable in one direction for rendering said vibrator power source effective to cause rotation of said drive wheel and in another direction to permit free rotation of said drive wheel independent of said power source; and means on said cable for alternately moving said switch means in opposite directions.

2,481,687
HOT MELT COATING COMPOSITION
Martin Salo and Harold F. Vivian, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 30, 1946, Serial No. 658,589
7 Claims. (Cl. 106—181)

1. A composition of matter adapted for use in melt-coating operations having a viscosity of less than 100,000 cps. at 170° C. essentially consisting of 10–80% of a heat stable lower alkanoate ester of cellulose having a butyryl content of at least 45%, not more than two hydroxyls per 24 cellulose carbon atoms, and an acetone viscosity of 5–200 centipoises, 0–40% of a heat resistant organic acid ester of an aliphatic alcohol, which ester contains only C, H, and O and has a molecular carbon content of 18–24 carbon atoms and a molecular weight of 306–392 and 10–80% of a chlorinated diphenyl having a chlorine content of more than 40%.

2,481,688
LARGE APERTURE OBJECTIVE HAVING FOUR AIR SPACED COMPONENTS
Willy Schade and Wesley Van Graafeiland, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,686
5 Claims. (Cl. 88—57)

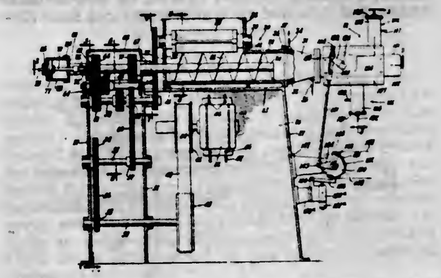


EF = 100 mm.					1/20
LENS	N_D	V	RADII	THICKNESSES	
I	1.611	58.8	R_1 = +66.3 mm	t_1 = 8.0 mm	
			R_2 = +523.	s_1 = 7.5	
II	1.617	36.6	R_3 = +48.9	t_2 = 5.0	
III	1.657	56.1	R_4 = +30.0	t_3 = 9.0	
			R_5 = +68.5	s_2 = 6.1	
IV	1.699	30.9	R_6 = ∞	t_4 = 3.6	
			R_7 = +30.8	s_3 = 84.3	
V	1.657	56.1	R_8 = +75.5	t_5 = 10.0	
VI	1.573	58.6	R_9 = −60.0	t_6 = 4.0	
			R_{10} = −114.0	BF = 48.9	

1. A photographic objective having its two principal points between its front and rear vertices and consisting of four components in axial alignment, of which components the front two are positive each with its front surface more strongly curved than its rear surface and at least one of the two being meniscus in shape, the third component is negative, and the fourth component is a biconvex doublet, the objective being characterized by the sum of its three airspaces being between 0.2 F and 0.5 F where F is the focal length of the objective, by its overall axial length being between 0.65 F and 0.85 F, by the second component being compound with its front element negative and cemented to a positive element whose refractive index is higher than that of the negative element by between 0.04 and 0.10, by the fourth component consisting of a negative element cemented to a biconvex element whose refractive index is higher than that of the negative element of the fourth component by between 0.12 and 0.30, and by the radii of curvature of the cemented surfaces between the said elements of the second and fourth components being less than 0.5 F and F respectively and both being greater than 0.2 F.

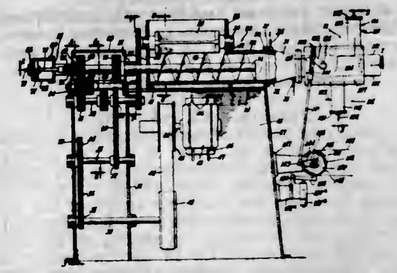
2,481,689
MOLDING AND PRINTING METHOD AND APPARATUS
Gordon C. Schaub, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
Application May 25, 1944, Serial No. 537,351
17 Claims. (Cl. 31—14)

1. In an apparatus for molding a plastic semisolid to solid material, a housing having an inlet for the introduction of a mass of said material thereinto and an outlet for the discharge of molded material therefrom, means in said housing to propel the mass of material under pressure toward said outlet, means to continuously operate said propelling means, means to intermittently discharge the molded material through said outlet, pressure means to move said propelling means toward said outlet and to effect additional pressure on said material toward said



outlet and means to release periodically said pressure means.

2,481,690
MOLDING AND PRINTING METHOD
Gordon C. Schaub, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
Original application May 25, 1944, Serial No. 537,351. Divided and this application February 10, 1949, Serial No. 75,575
2 Claims. (Cl. 31—8)

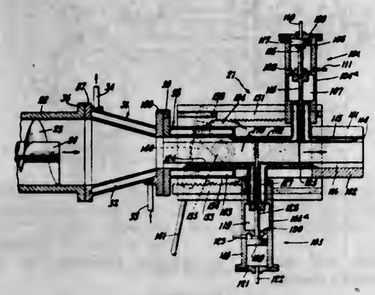


1. The method of molding a plastic semisolid to solid material, which comprises introducing a mass of said material into a space having a point of discharge, forcing the mass of material under pressure through the space to said point of discharge and molding said material under pressure into a ribbon having a predetermined cross section, discharging said ribbon from said space at said point of discharge, intermittently interrupting the discharge of the ribbon from the space, continuously applying pressure to the material undergoing molding, applying additional pressure to the material during the discharge of the material from said point of discharge, and synchronizing the forcing of the material through the space with the discharge of molded material therefrom.

2,481,691
MOLDING AND PRINTING APPARATUS
Gordon C. Schaub, Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
Original application May 25, 1944, Serial No. 537,351. Divided and this application February 10, 1949, Serial No. 75,576
17 Claims. (Cl. 31—8)

1. In an apparatus for forming a continous ribbon of a plastic semisolid to solid material into

prints, a tube for the passage of said ribbon, slidable means disposed in said tube to engage said ribbon, a cutting member carried by said slidable means and adapted to transversely cut said rib-



bon, means to operate said cutting member, and means to reciprocally slide said slidable means within said tube for intermittently cutting the ribbon into prints and for intermittently discharging the resulting prints from said tube.

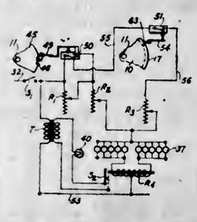
2,481,692
COTTON TREATED WITH A CATION ACTIVE AMINE
Paul Henry Schlosser and Kenneth Russell Gray, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware
No Drawing. Application April 12, 1944, Serial No. 530,740
5 Claims. (Cl. 106—165)

1. As a new article of manufacture, a cellulosic product consisting of cotton in the raw state as a raw material for conversion into rayon having incorporated therein from 0.01% to 0.2% by weight, based on the bone dry weight of the cotton, of an added cation-active amino compound selected from the group consisting of an alkyl amine having from 7 to 18 carbon atoms, an alkyl alkanolamine having at least one alkyl radical having from 8 to 14 carbon atoms and having from 14 to 18 total carbon atoms, a lauryl ether of an alkanolamine, lauryl piperidine, lauryl methyl cyclohexylamine, an acylated polyethylene polyamine in which the acyl radical has from 7 to 18 carbon atoms, an acylated hydroxyethyl polyethylene polyamine in which the acyl radical has from 7 to 18 carbon atoms, an alkyl imidazoline having an alkyl radical having from 7 to 18 carbon atoms and an alkyl guanidine having an alkyl radical having from 7 to 18 carbon atoms.

2,481,693
RAW COTTON FOR CONVERSION INTO RAYON
Paul Henry Schlosser and Kenneth Russell Gray, Shelton, Wash., assignors to Rayonier Incorporated, Shelton, Wash., a corporation of Delaware
No Drawing. Application April 29, 1944, Serial No. 533,397
4 Claims. (Cl. 106—165)

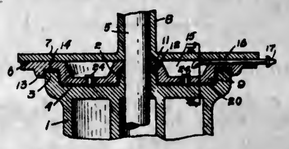
1. As a new article of manufacture, a cellulosic product consisting of cotton in the raw state as a raw material for conversion into rayon having incorporated therein from 0.01% to 0.2% by weight based on the bone dry weight of the cotton of an added polyalkylene oxide polymerization compound selected from the group consisting of a polyalkylene oxide and a mixed ether having attached to the ether oxygen a polyalkylene oxide radical and a hydrocarbon radical containing more than 7 carbon atoms, said polymerization compound being at least partially dispersible in water and stable in a solution of alkali metal hydroxide.

2,481,694
ILLUMINATION CONTROL FOR PHOTOGRAPHIC COPYING APPARATUS
Alvin E. Schubert and Harvey P. Hintz, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 5, 1946, Serial No. 659,900
8 Claims. (Cl. 88—24)



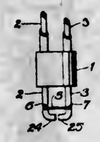
1. In an apparatus for photographically copying a continuously moving document and having a photographic field, the combination with an illuminating means including two groups of lamps each connected in parallel, and an illuminating circuit for supplying a predetermined voltage to said lamps, of a control means associated with said illuminating circuit for maintaining a standby circuit for supplying to said illuminating circuit a voltage insufficient for actinic illumination during absence of a document from said apparatus, for supervising in accordance with the movement of said document toward said field of an over-voltage circuit for supplying to said illuminating circuit a voltage greater than said predetermined voltage, and for maintaining upon movement of said document through said field a normal circuit for supplying to said illuminating circuit said predetermined voltage.

2,481,695
CENTER PLATE
John H. Scott, Gary, Ind.
Application September 7, 1944, Serial No. 552,988
4 Claims. (Cl. 308—137)



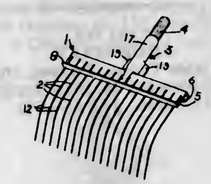
1. A center plate having an external bottom bearing surface, said surface having a groove therein, said plate having a cavity for lubricant and an opening leading from said cavity to said groove, and a valve in said opening having a head on the cavity side of the opening and a stem longer than the opening extending through the opening, said stem being split on the lower end with the tails of the split entering said groove when the bearing surface is in engagement with that of another center plate.

2,481,696
ELECTRIC FIRING DEVICE
Frederick R. Seavey, Alton, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application September 11, 1946, Serial No. 696,154
11 Claims. (Cl. 102—28)



1. In a firing device for an electric detonator, the combination comprising a pair of lead wires electrically connected by an electric filament, at least one of said lead wires extending beyond the connection with said filament and bent at an angle toward the other lead wire to provide protection for said filament.

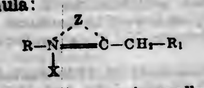
2,481,697
BROOM RAKE
George H. Sharpe, Newton Centre, Mass.
Application June 12, 1946, Serial No. 676,305
5 Claims. (Cl. 56—400.17)



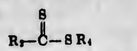
1. A rake comprising a head having an upper member and a lower member occupying parallel but spaced-apart planes, each member having a plurality of apertures mating those of the other member, a plurality of wire teeth, each having its rear end bent substantially at right angles to the body thereof, the body portion of each tooth resting on the upper surface of the upper member of the head and the bent end of the tooth extending through an aperture in said upper member of the head and also through a mating aperture in the lower member of the head, and means at the front edge of the upper member of the head maintaining each tooth properly spaced from adjacent teeth, each pair of mating apertures having such relation to each other and the bent end portion of the corresponding tooth that said bent end portion is held under tension when it occupies said mating apertures.

2,481,698
THIOKETONES AND PROCESS FOR PREPARING THE SAME
Robert H. Sprague, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 24, 1947, Serial No. 730,564
12 Claims. (Cl. 260—298)

1. A process for simultaneously preparing a thioketone and an anhydro-meso-substituted carbocyanine hydroxide comprising condensing a cyclammonium carboxyalkyl quaternary salt selected from those represented by the following general formula:

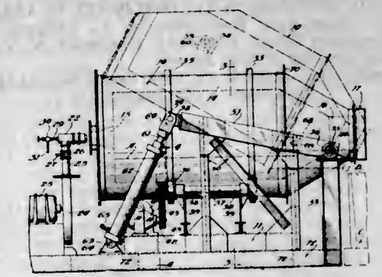


wherein R represents a carboxyalkyl group containing from 2 to 5 carbon atoms, X represents an anion, R_1 represents a member selected from the group consisting of a hydrogen atom and a methyl group, and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of those of the benzothiazole series, those of the benzoselenazole series and those of the α-naphthothiazole series, with an ester of a dithiocarboxylic acid selected from those represented by the following general formula:



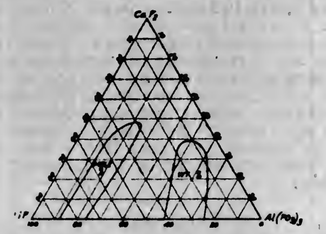
wherein R_2 represents a hydrocarbon radical containing from 1 to 6 carbon atoms and R_4 represents an alkyl group containing from 1 to 7 carbon atoms, in the presence of a basic tertiary organic amine condensing agent, and separating the thioketone from the anhydro-meso-substituted carbocyanine hydroxide.

2,481,699
METAL MELTING FURNACE
Jack L. Stroman, Elmwood Park, Ill., assignor to The Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application October 6, 1944, Serial No. 557,454
2 Claims. (Cl. 266—33)



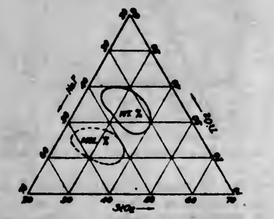
1. A melting furnace comprising a stationary main frame having a lower horizontal base portion and an upright standard at one end, a movable auxiliary frame having a lower base portion supported on the base portion of the main frame, said auxiliary frame having an upright portion, a metal melting chamber mounted on and movable with said auxiliary frame, said chamber being mounted with its longitudinal axis normally horizontal and being rotatable on its horizontal axis, means mounted on and carried by said auxiliary frame for rotating said chamber, the forward end of said chamber having a central reduced dimension discharge port at one end, said auxiliary frame being pivoted on a horizontal axis on the upper end of said upright standard on the main frame, said chamber being so mounted that said horizontal axis is adjacent the lower part of said discharge port, and means reacting between said main frame and auxiliary frame for tilting said auxiliary frame and thereby the chamber about said horizontal axis, whereby the movement of said discharge port in the tilting operation is held at a minimum.

2,481,700
FLUOPHOSPHATE GLASS
Kuan-Han Sun and Maurice L. Huggins, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1946, Serial No. 644,178
7 Claims. (Cl. 106—47)



7. An optical fluophosphate glass consisting of the system AF—MF_2—R, where AF indicates fluoride selected from the group consisting of the fluorides of lithium, potassium, and sodium, MF_2 indicates fluoride selected from the group consisting of the fluorides of magnesium, calcium, strontium, barium, and zinc, and R represents phosphate selected from the group consisting of the phosphates of aluminum and beryllium, and comprising AF, 7 to 54 per cent by weight, MF_2, 0 to 58 per cent by weight, and R, 30 to 90 per cent by weight, the atomic proportion of fluorine to phosphorus in the glass batch being between 0.23 and 2.9.

2,481,701
HIGH DISPERSION FLUOSILICATE GLASSES
Kuan-Han Sun, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1946, Serial No. 644,182
6 Claims. (Cl. 106—52)



1. An optical glass in which n_D lies between 1.58 and 1.70, and ν lies between 25 and 35, resulting from fusion of a batch comprising essentially by weight alkali metal fluoride chosen from the group consisting of the fluoride of sodium, the fluoride of potassium, and a mixture of the fluorides of sodium and potassium, 22 to 38 per cent; oxide chosen from the group consisting of the oxide of titanium, the oxide of columbium, and a mixture of the oxides of titanium and columbium, 26 to 54 per cent; and silica, 20 to 46 per cent.

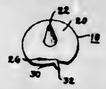
2,481,702
AIR CIRCULATING DEVICE
Charles W. Towt, Los Angeles, Calif., assignor to Charles Kincheloe Towt, Los Angeles, Calif.
Application May 27, 1946, Serial No. 672,665
9 Claims. (Cl. 230—258)

1. An air circulating device comprising a tower and a platform at the top, a box frame having rollers adapted to traverse the platform, an engine centrally balanced on the box frame and a propeller driven by said engine, and a support for said box frame resistant to lateral thrust comprising a shaft extending through the



box frame and the platform, one end being attached to the box frame and the other end being in rotational engagement with the tower adjacent the location of said rollers intermediate top and bottom thereof.

2,481,703
SHOE SPIKE
Von Aldo Trusty, Dayton, Ohio
Application September 29, 1948, Serial No. 51,746
3 Claims. (Cl. 36—59)

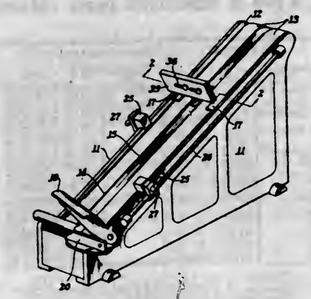


1. A calk adapted for use with a threaded calk-receiving socket fixedly attached to a sole of a shoe, said calk including a disc-like base portion provided with a frustrum conical calk portion projecting outwardly from one side of the disc-like base portion and provided with a threaded projection projecting outwardly from the side of the disc-like base portion opposite the side having the frustrum conical calk portion, said threaded portion threadedly engaging the calk-receiving socket, said disc-like base portion being provided with a slot in the margin thereof, forming a lip portion terminating in a deflected pointed tongue portion embedded in the sole of the shoe so as to prevent removal of the calk during the useful life thereof.

2,481,704
TAPE DISPENSER
Lloyd L. Werth, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 9, 1945, Serial No. 581,917
9 Claims. (Cl. 164—42)

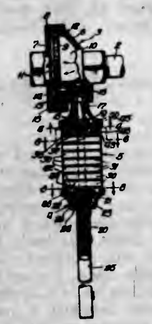
9. In a tape dispenser, the combination with a support for a tape roll and comprising opposite sides and a top, feeding means mounted on said top for moving said tape thereover, severing means for cutting said tape into strips, of a rod carried by each side, a plurality of stop members pivotally mounted in spaced relation along each of said rods and selectively movable to overlie

said top, and a member carried by said feeding means and movable as a unit therewith during the tape feeding operation but selectively mov-



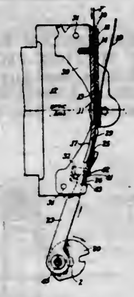
able laterally relative to said feeding means so as to be in a position to engage a selected stop to limit the movement of said feeding means to dispense a strip of a predetermined length.

2,481,705
FLOW REGULATOR
Glenn R. Whitney, Chicago, Ill.
Application October 22, 1945, Serial No. 623,749
8 Claims. (Cl. 138—42)



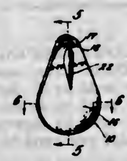
1. A flow regulator comprising a fluid inlet means terminating in a flat face, a fluid outlet means having a recessed face, a rod to adjustably locate the faces of said inlet and outlet means in a predetermined spaced relation, and a plurality of fluid conducting members carried on said rod and connected between the faces of said means, each member having a labyrinth passageway therein, and communicating means to connect each passageway with the passageway in the next succeeding member, all of said members collectively providing a tortuous flow restricting channel therethrough to provide a predetermined rate of fluid flow between said inlet and outlet means, and coacting registering means carried by each of said members and coacting with said rod to position the communicating means of each adjacent member for continuous fluid transmission through all of said members.

2,481,706
INTERMITTENT FILM-ADVANCING MECHANISM
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 29, 1948, Serial No. 16,083
8 Claims. (Cl. 88—18.4)



1. A film-advancing assembly for intermittently feeding a perforated film strip through a path defined by a guideway and comprising the combination with a claw member having a claw on one end thereof for intermittently engaging successive perforations of said film strip and including an eccentric member for reciprocating said claw member through a pull-down stroke, of means for causing said claw to engage a film perforation at the beginning and during said pull-down stroke and for retracting said claw from the engaged perforation at the end of the pull-down stroke and maintaining it retracted throughout the return stroke of said claw, said means including means for normally forcing said claw member toward the guideway, a pair of stationary guiding surfaces disposed adjacent said guideway and spaced from one another lengthwise thereof, and a pair of follower surfaces on said claw member and spaced lengthwise thereof, one of said follower surfaces adapted to engage one of said guide surfaces during movement of the claw member in one direction and the other follower surface adapted to engage the other guiding surface during movement of the claw member in the other direction for controlling the position of the claw relative to the film path.

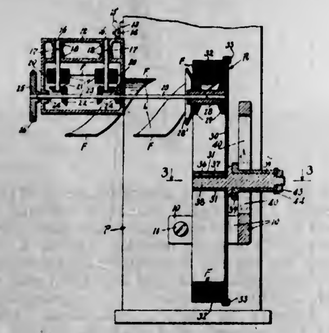
2,481,707
FISHING LINE SINKER
Leslie E. Young, Cincinnati, Ohio
Application May 16, 1946, Serial No. 670,123
3 Claims. (Cl. 43—52)



2. A fishing line sinker comprising a body portion having a tear-drop contour in plan, and a substantially thin overall body dimension, the wide body portion having a concavo-convex form, the narrow body portion having a line receiving aperture formed transversely therethrough, said aperture having its axis lying in

the center line of the body portion; and fins formed integral with the body portion on the front and back faces of the body portion and each disposed between the aperture and the wide body portion, said fins extending longitudinally of the body portion and positioned at an angle to the center line thereof in the same rotatory direction.

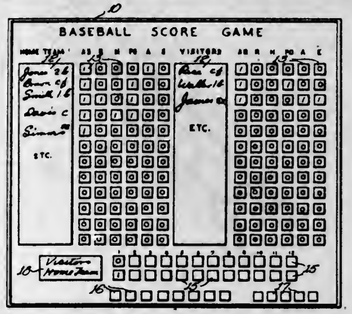
2,481,708
REEL AND MECHANISM FOR INVERSE WINDING OF MOTION-PICTURE FILM
James R. Adams, Los Angeles, Calif.
Application January 3, 1949, Serial No. 68,859
8 Claims. (Cl. 88—18.7)



1. In a mechanism for rewinding a motion picture film in heads-out order as the film passes from a projector; a hollow cylindrical reel open on one side and having a rim against the inner side of which the film is wound, means for fixing the heads-out end of the film to said rim after said end of the film has been passed from the projector into the reel through the open side of the latter; means supporting said reel for rotation about a horizontal axis and affording vertical bodily movement of the reel while under rotation, a drive roller mounted to rotate about a fixed horizontal axis within said reel for contacting the film therein and holding the same against the rim whereby on rotation the roller will turn the reel in a direction for winding the film therein, means associated with said roller for guiding the film between the roller and the rim, means for feeding the film from the projector through said guiding means, and means for driving said feeding means and said roller, said reel being moved vertically and increasing the space between said rim and said drive roller as the number of convolutions increase during the winding of the film into said reel.

2,481,709
BASEBALL SCOREKEEPING DEVICE
William C. Adams, Dallas, Tex., assignor of twelve and one-half per cent to T. A. Hardin, twelve and one-half per cent to John A. Hall, twelve and one-half per cent to Grover C. Page, and twelve and one-half per cent to Jas. A. Parker, all of Dallas, Tex.
Application April 25, 1947, Serial No. 743,845
1 Claim. (Cl. 235—123)

A baseball score keeping device including a shallow container having a false bottom provided with two groups of square holes in six vertically horizontally aligned columns arranged in aligned rows each, each column having appropriate head designations respectively "AB," "R," "H," "PO," "A" and "E," a cube receivable in and conforming to each of said holes having on its six faces the numerals 0 to 5 and whose position in its respective hole is adapted to be changed to reveal a numeral indicative of the changing score of a player, a pad of expendable paper adjacent each



group of cubes on which is inscribed the names and positions of players opposite said cubes, additional groups of square holes below said first holes, cubes in and conforming to said holes bearing numerals on five faces thereof in consecutive order, and expendable means adjacent said latter cubes on which is inscribed the opposing team identifications.

2,481,710
FISH LURE
Walter C. Arndt, Oshkosh, Wis.
Application June 21, 1945, Serial No. 600,707
1 Claim. (Cl. 43—42.5)

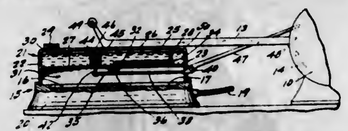


In a fish lure comprising a one-piece body, having a transversely disposed offset baffle face extending upwardly from the front end of the body, having a flat head extending forwardly from the upper edge of the said baffle in alignment with the body but upon a higher horizontal plane than said body, the body having a transversely disposed hip portion corresponding in width to the baffle face, the edges of the body from the hip portion to said baffle face being inwardly curved to develop a narrow waistline relative to the general width of the aforesaid body and from the hip portion thereof the tail end of the body being folded upwardly to a position for the reception of hooks, and the upper portions of said folds constituting trailing fins having their upper rear edge portion above the plane of the flat head, whereby the flow of water from the ends of the baffle face is directed against the fins and divided in its flow to increase the wobble of the bait.

2,481,711
METHOD FOR AUTOMATIC FRYING AND BASTING OF EGGS
Ken E. Bemis, Oakland, Calif.
Original application May 29, 1946, Serial No. 673,051. Divided and this application July 29, 1947, Serial No. 764,287
2 Claims. (Cl. 99—113)

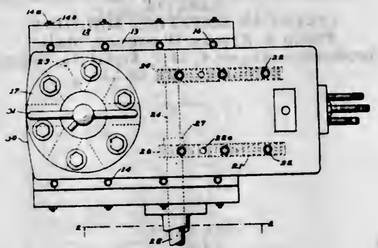
1. The method of cooking eggs consisting in enclosing and frying the eggs for approximately

45 seconds, introducing a measured amount of water exteriorly of the boundaries of the eggs within a period of five seconds for conversion to steam to envelop and cook the upper surfaces of the eggs, and continuing combined frying and



steaming for the balance of a total of seventy-five seconds and then terminating cooking, to provide fried eggs with steam cooked upper surfaces and thorough cooking without undue congelation of the yokes.

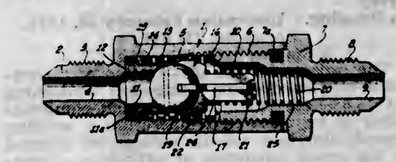
2,481,712
TOOL SUPPORT
Gordon J. Benes, Chicago, Ill.
Application June 23, 1945, Serial No. 601,202
1 Claim. (Cl. 29—46)



An attachment for a lathe or like machine comprising in combination, a turret tool support consisting of a base having a transverse bore therethrough, a longitudinal channel formed in the upper surface of said base, gibs adjustably disposed within the channel at opposite sides thereof, each of said gibs having a downwardly tapering inner face, a slide having a pair of guides on its under surface fitting within the channel of the base and shaped to mate with and be engaged by said gibs, longitudinal grooves formed on the under side of the slide and forming recesses along opposite sides thereof, spaced racks mounted within said recesses, a shaft extending crosswise through said bore formed within the base portion, the shaft extending outwardly past one side of the base, spaced recesses formed in said base below said bore, spaced pinions mounted on said shaft and meshing with the racks of the slide and fitting in said recesses, and a rotatable tool turret mounted on the said slide.

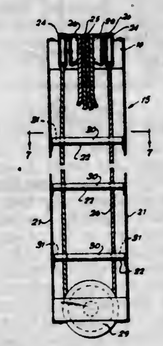
2,481,713
FLEXIBLE SEAL CHECK VALVE
Alex Bertea, Pasadena, Calif.
Application April 30, 1945, Serial No. 591,142
4 Claims. (Cl. 251—144)

3. In a check valve structure, a valve body having a longitudinal bore extending through said valve body and defining a valve chamber therein, a plug member threaded into said bore, a tubular valve seat member disposed in said chamber and having an external flange, a movable valve member disposed in said chamber for movement toward and away from said valve, a sleeve disposed about said tubular valve seat member and having an external flange engaging the seat flange and having an end projecting toward the movable valve member a short distance beyond the end of the valve seat member to engage and form a fluid tight seal with said



movable valve member, and a spring member disposed in said chamber and contacting said sleeve flange and held therein by said plug member so that the sleeve and the seat member are pressed against one end of said chamber.

2,481,714
VENETIAN BLIND
Jack Bezjian, Chicago, Ill.
Application March 9, 1945, Serial No. 581,783
1 Claim. (Cl. 160—173)

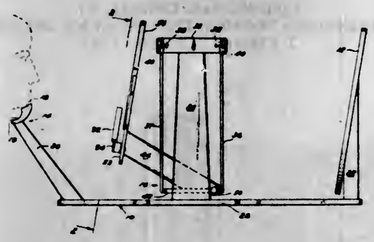


A Venetian blind including a top tilting bar having a transverse slot near each end, a transverse pintle mounted in each slot, a pair of spaced pulleys mounted on each pintle adjacent the side edges of the top bar, a cord loop sustained by each pair of pulleys, a bottom tilting bar having a transverse slot near each end and in vertical alignment with the slots in the top tilting bar, a spreader pulley mounted to rotate in each slot in the bottom tilting bar on an axis which lies in a plane with the axis of the bottom tilting bar, the cord loops extending from the pulleys in the top bar being directed around the spreader pulleys in the bottom tilting bar, ladder straps connected to the top and bottom tilting bars in positions to overlie the cord runs extending therebetween, cross straps vertically spaced from one another and connecting the ladder straps intermediate the top, bottom tilting bars and blind slats resting on the cross straps and having notches in opposite side edges for accommodating the parallel cord runs, the top tilting bar having a notch in one end and a pulley mounted in said notch over which the ends of the cord loops extend for simultaneous manipulation.

2,481,715
THEOPHYLLINE-ETHYLENEDIAMINE COMPOUND AND METHOD OF PREPARING SAME
Auguste M. Black, Rahway, and John F. Mahoney, Linden, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 26, 1947, Serial No. 731,044
8 Claims. (Cl. 260—253)

1. The process for the preparation of a theophylline-ethylenediamine compound containing about 16.8% ethylenediamine, which comprises reacting at an elevated temperature a solution of theophylline in a weakly basic amine selected from the group consisting of pyrindine, α-picoline and quinoline with an aqueous solution of ethylenediamine, and cooling the reaction mixture to precipitate said compound.

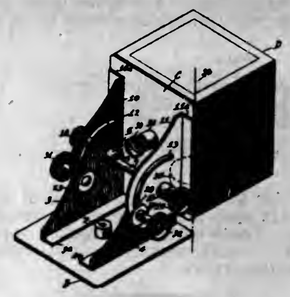
2,481,716
LENS TESTING DEVICE
Freeman C. Black, Los Angeles, Calif.
Application March 27, 1947, Serial No. 737,607
5 Claims. (Cl. 88—56)



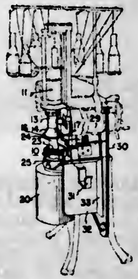
1. A lens testing device including in combination: a base; a substantially flat, upright viewing target disposed adjacent one end of said base, said target having two series of parallel lines disposed at right angles to each other; an upstanding chin rest disposed at the opposite end of said base; a transversely reciprocable carriage mounted on said base between said ends; an annular element rotatably mounted on said carriage, having indicia indicating angular degrees and having spectacle-engaging means adapted to retain either lens of a pair of spectacles adjacent the central aperture of said annular element while the same is rotated, said target, annular element, and chin rest all being disposed in linear alignment so as to provide a visual path through said lens to said target for an observer supporting his chin on the rest; and a cradle for detachably retaining an additional lens, said cradle being adjustably mounted on said carriage so that a lens held therein may be interposed in said visual path substantially parallel to said spectacle lens.

2,481,717
TILTING TRIPOD HEAD
Hosea Blair, San Francisco, Calif.
Application March 19, 1946, Serial No. 655,482
2 Claims. (Cl. 248—183)

1. In a tilting tripod head, a horizontally rotatable tripod base having parallel front and rear edges, upstanding spaced vertical wings on the base, a camera carrying base, means thereon for pivotally securing a camera thereon, said base having spaced wings located in overlapping relation to the first-mentioned wings, a shaft pivotally connecting said two pairs of wings disposed above the tripod base and in a position to support the camera base in one position of adjustment vertically above and beyond the front edge of the tripod base and in another adjusted position at an acute angle to the rear edge of the base.



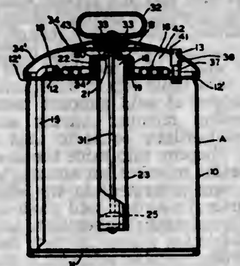
2,481,718
CIRCULAR KNITTING MACHINE
Philip A. Brooks, Westwood, Mass.
Application August 6, 1947, Serial No. 766,606
3 Claims. (Cl. 66—1)



1. In a circular knitting machine having a needle cylinder and a container into which the knitted product is drawn mechanically, means for protecting such product from oil, said means comprising an elongated tube the upper portion of which is disposed within said cylinder and adapted to receive such product and direct it to said container, and an inverted substantially-conically shaped member secured to said tube near the lower end thereof and spreading outwardly above the open upper end of said container.

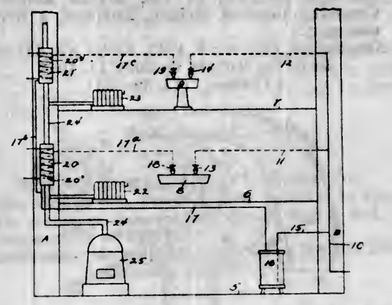
2,481,719
FUEL FILLER CAN
George J. Buck, Minneapolis, Minn.
Application October 24, 1947, Serial No. 781,968
8 Claims. (Cl. 222—401)

1. A fuel filler can including in combination a main body portion, a top portion enclosing said body portion, an air pressure relief valve positioned in said top portion, and air pressure pump positioned centrally of said top portion and extending within said main body portion, a cover portion secured to said top portion, an aperture formed in said cover portion, a lid secured to said pump and adapted to cover said aperture, a handle secured to said lid, means for securing said lid to said cover, a discharge pipe secured to said top portion and extending adjacent the bottom of said main body portion, a filler hose con-



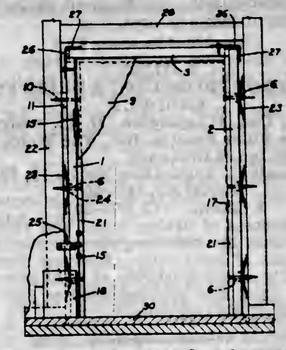
nected to said discharge pipe and adapted to be coiled under said cover portion when not in use.

2,481,720
HEAT CONSERVATION MEANS FOR DOMESTIC HOT-WATER SYSTEMS
Frank G. Campbell, Arlington County, Va.
Application May 5, 1945, Serial No. 592,088
3 Claims. (Cl. 237—19)



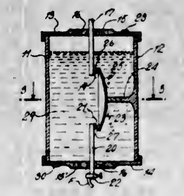
1. In a combined house heating and domestic hot water supply system for a building having a basement and a plurality of floors above said basement, of a house heating boiler in the basement, a space heating radiator located upon each of the said floors of the building, a heating fluid supply line leading from the boiler to all of said radiators, an automatic hot water heater located in the basement of a type wherein the cold water supply line of the building delivers an additional supply of water into the heater whenever by the opening of a hot water faucet, hot water is withdrawn from said heater and wherein the heater is set in operation to heat additional water upon the withdrawal of a predetermined amount of hot water therefrom, a domestic hot water service line leading from the hot water heater to a plurality of hot water faucets, one of said faucets being located upon each of the floors, an auxiliary hot water storage chamber included in and forming part of the hot water service line adjacent each of the hot water faucets, said chambers having heat interchange relation with the heating fluid supply line of the radiator, a cold water faucet associated with each hot water faucet and a cold water supply line leading to all of the cold water faucets, whereby when any hot water faucet is opened hot water is delivered thereto from its associated auxiliary hot water storage chamber and without interference with a simultaneous discharge of cold water from the associated cold water faucet.

2,481,721
DOOR FRAME
Alfred Benjamin Carper, Eugene, Oreg.
Application January 22, 1945, Serial No. 573,889
15 Claims. (Cl. 20—12)



5. A frame construction for closures comprising a top jamb, complementary side jambs, means adjustably connecting a first side jamb at its upper end to one end of said top jamb, for limited adjustment of the spacing between said two side jambs, means adjustably connecting the second side jamb at its upper end to the top jamb, for limited adjustment vertically of this end, only, of said top jamb relative to the second side jamb, and means to secure the jambs to adjacent studding in such relatively adjusted positions.

2,481,722
SECONDARY THERMAL BREAKER
Jerome B. Clapp, North Plainfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application October 30, 1945, Serial No. 625,551
3 Claims. (Cl. 200—113)



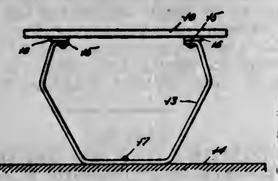
1. A thermal circuit breaker including a receptacle formed of a metal capable of discharging heat from the interior of the same into opposite sides of which receptacle projects a pair of terminals provided exteriorly of the receptacle with readily detachable fastening means for connecting the terminals in circuit, each provided adjacent its inner end within the receptacle with a fixed silver contact, a bi-metal snap action disc supported at its center in the receptacle and provided at diametrically opposite points of its perimeter with a pair of silver contacts, normally engaging the fixed contacts to bridge the current therebetween, said disc calibrated to open on a predetermined overload current by reason of the resistant heating of the disc by such over-load current, said disc having an inherent thermal time lag to remain open until cooled sufficiently to snap back into its normal circuit closing position and a liquid containing chlorinated diphenyl in the receptacle free to flow about the same and

thus bring its heat into contact with the wall of the receptacle, and said liquid capable by reason of its capacity to receive and conduct heat acting to control the rate at which the disc cools and thus tending to insure constancy in the closing time lag substantially uninfluenced by variations in the ambient temperatures.

2,481,723
METHOD OF PRODUCING A DRIED FOOD PRODUCT
Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., The Weirs, N. H., a corporation of Delaware
No Drawing. Application March 19, 1945, Serial No. 583,639
3 Claims. (Cl. 99—204)

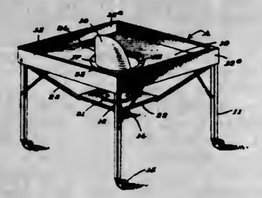
1. The process of drying fruits and vegetables which consists in subjecting the commodities to wave lengths of light while excluding therefrom substantially all wave lengths of light below 4900 Angstrom units and between 6300 to 6700 Angstrom units of the spectrum.

2,481,724
ADJUSTABLE TARGET
Leo Croteau, Brockton, Mass.
Application June 15, 1948, Serial No. 33,013
2 Claims. (Cl. 273—102)



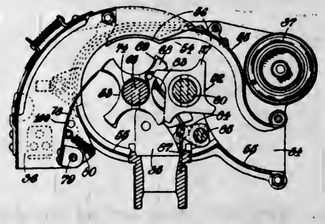
1. A game apparatus, comprising a target member having a plane surface, said member carrying various scoring indicia, a two-part polyangular support member for said target member, whereby the latter may be placed at will in spaced parallel or angular relation with respect to the surface upon which said support member rests, means fixedly securing said target member to said support member and a cross piece rigidly connecting the two parts of said support member, said cross piece being parallel to the plane of said target member.

2,481,725
PLAY TABLE
Erwin R. Culley and Marie W. Culley, Chicago, Ill.
Application June 1, 1945, Serial No. 597,138
1 Claim. (Cl. 155—123)



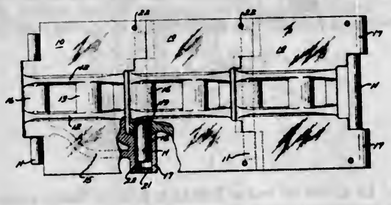
An infant's table and seating device, comprising a table top, a guard rim about the table top and extending below the top, a support member attached to the rim, the table top having a circular opening located centrally thereof, a second member beneath said table top and attached to said member support, said members having an opening in alignment with and of a greater diameter than said table top opening, a channel-shaped raceway in said members, anti-friction means carried by said raceway, a hollow cylindrical chair-supporting member within said members and extending from below said table top to substantially below the lower edges of said support member, said chair-supporting member having an internal diameter substantially equal to that said table top opening whereby said table top overlaps said chair-supporting member, an annular portion integral with and intermediate the ends of said chair-supporting member, said chair-supporting member being rotatably supported in said raceway by said anti-friction means, a chair fixed to said chair-supporting member and within said member whereby said chair is rotatably mounted relative to said support and a latch device secured to said support and adapted to engage said chair-supporting member to prevent rotation of the chair.

2,481,726
AMMUNITION-BELT FEED MECHANISM FOR AUTOMATIC FIREARMS
Evelyn Cecil Muschamp d'Assis-Fonseca, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application October 9, 1945, Serial No. 621,261
In Great Britain October 11, 1944
9 Claims. (Cl. 89—33)



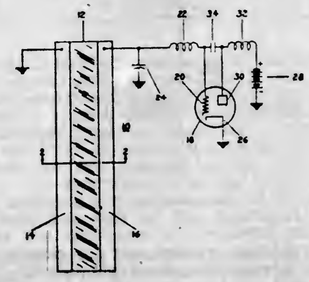
1. For an installation comprising an automatic firearm which is fed with belted ammunition the cartridges of which are connected together by links each comprising a leading clip having a pair of spaced-apart part-cylindrical co-axial elements and a trailing clip having a single part-cylindrical element at one side of and between the leading-clip elements and means to connect the leading and trailing clips together, a storage for the belted ammunition located at a distance from the firearm and a chute to convey the belt of ammunition from the storage to the firearm, a feed mechanism comprising a casing, a channel member for directing the belt of ammunition into the casing, a delivery chute for conveying separated rounds of ammunition from the casing to the gun, a belt-feed roller for drawing the belt through the channel into the casing, a cartridge-feed roller for delivering the separated rounds through the delivery chute, mechanism for driving the belt-feed and cartridge-feed rollers in synchronism, a guideway within the casing to hold the rounds of ammunition going through the casing against movement in a lateral and in the endwise directions of the cartridges, means for disconnecting the leading clips of the ammunition links from the cartridges, and separate means for disconnecting the trailing clips of said links from the cartridges, both said clips being disconnected solely by movements radially from the longitudinal axes of the cartridges.

2,481,727
TRACTOR TRACK
John L. Deffenbaugh, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 3, 1946, Serial No. 674,068
1 Claim. (Cl. 305—10)



A hinge connection between shoes of a tractor track which comprises spaced hinge lugs on one shoe, a single hinge lug on an adjacent shoe for reception between the hinged lugs, said lugs having aligned bores, bushings fitted in the bore of each lug, a floating track pin extending through the lugs for bearing engagement with said bushings and terminating short of the outer ends of said spaced hinge lugs to provide spaces for a supply of lubricant in the lugs, plugs sealing said spaces, and stop pins extending through said spaces adjacent the ends of the track pin to limit its longitudinal floating movement.

2,481,728
HUMIDITY RESPONSIVE RESISTOR
Alexis B. Dember, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 24, 1945, Serial No. 624,245
5 Claims. (Cl. 201—63)

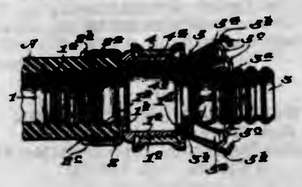


1. In a hygroscopic resistor assembly subject to variations in resistance resulting from the effects of polarization, the combination of, a relatively non-conductive base, film electrodes of conductive material deposited on said base having edges curving upwardly away from said base, and a film of electrolytically conductive material extending over said base and in contact with at least a portion of said edges, the said upwardly curving edges serving to present a relatively large area of interface contact between the said film electrodes and the said film of electrolytically conductive material, whereby the effects of polarization are minimized.

2,481,729
PORCELAIN INSULATOR BODY
Benjamin F. Dewey, Le Roy, N. Y., assignor to Lapp Insulator Company, Inc., Le Roy, N. Y., a corporation of New York
No Drawing. Application November 5, 1945, Serial No. 626,892
2 Claims. (Cl. 106—46)

2. An electric insulator porcelain consisting essentially of the reaction products of a mixture of about 60% to about 76% talc, about 10% to about 26% clay and about 2% to about 22% of a zirconium compound selected from the group consisting of zirconium oxide, zirconium silicate, and the barium, calcium and magnesium zirconium silicates or of a mixture of said zirconium compounds and characterized by a relatively wide vitrifying range.

2,481,730
HOSE COUPLING
Keith Doerr, Battle Creek, Mich., assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a corporation of Michigan
Application August 21, 1945, Serial No. 611,795
2 Claims. (Cl. 285—84)

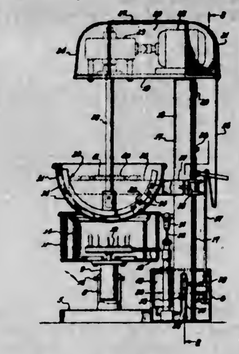


1. In a hose coupling or the like, a tubular member adapted to enter the bore in the end of a hose section; and a clamping claw device fixedly mounted on said tubular member, said clamping claw device comprising an annular base plate overlying the end of the hose and disposed substantially normal to the axis of said tubular member, said base plate having two annular alternating series of clinching fingers, said fingers of one series being short, while the fingers of the other series are of greater length, each series having ends adapted to grip the outer wall of the hose against said tubular member when the fingers are mashed substantially parallel with the axis of said tubular member, said tubular member extending into said hose section beyond the ends of said fingers to provide a support for a strong and positive grip of said fingers on said hose.

2,481,731
MIXER
Rubin M. Dubin, Los Angeles, Calif.
Application July 1, 1946, Serial No. 680,810
11 Claims. (Cl. 259—108)

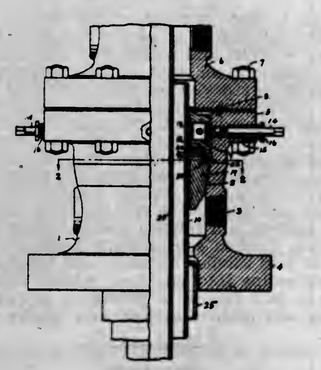
1. A mixer comprising a base, a tubular standard mounted on said base, said standard having a longitudinal groove therein open at one end, a second standard telescopically mounted within said tubular standard, said second standard having a guide member attached thereto for movement in said groove, a locking member on said second standard for holding said standards in fixed positions relative to one another, power means mounted on the upper end of said second standard, an agitator adapted to be rotated by said power means, and means for hydraulically raising and lowering said second standard for lifting and lowering said agitator, said guide member moving in said groove during the rais-

ing and lowering operations, said locking member entering said groove when said second standard is in lowered position, said second standard being adapted to be rotated within said tubular



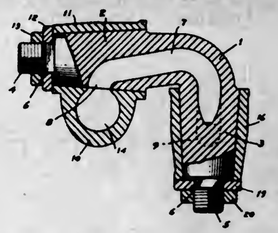
standard for translating said agitator about said standard, said guide member moving on the edge of said tubular standard during the rotation of said second standard.

2,481,732
WELL HEAD CONSTRUCTION
Jack E. Edwards, Houston, Tex.
Application January 19, 1946, Serial No. 642,353
4 Claims. (Cl. 166—14)



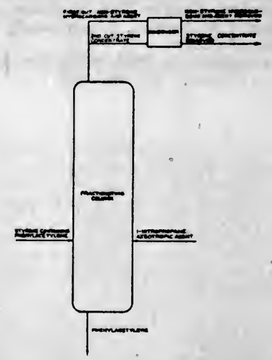
1. In well head construction having a tubular head member provided with an inside seat, a pipe supporting and packing assembly including, an anchor ring adapted to surround a pipe extending through the head, said ring comprising an upper plate and a lower plate spaced from the upper plate and connected thereto by radial web elements, resilient material molded into the ring between the plates and around the web elements to provide an annular sealing ring between the plates, and slips depending loosely from the lower plate whereby slips may undergo lateral displacement with respect to the anchor ring, the pipe supporting and packing assembly being adapted to be mounted within the tubular head member with the slips supported upon the inside seat of said head member and engaging the pipe and with the annular sealing ring forming a seal between the pipe and the head member.

2,481,733
SWIVEL VALVE JOINT
William M. Elias, Winkler, Manitoba, Canada
Application August 11, 1948, Serial No. 43,616
4 Claims. (Cl. 277—69)



1. In a swivel valve joint: a hollow body member interconnected between a pair of pipes for fluid passage therebetween; said body member rotatable in fluid-tight mountings on said pipes; said mountings being rotatable in planes at right angles to each other; and port means in said mountings for shutting off the fluid passage between said pipes, in the rotation of one of said pipes in relation to said body member.

2,481,734
ISOLATION OF STYRENE BY AZEOTROPIC DISTILLATION
Karl H. Engel, Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application January 22, 1946, Serial No. 642,753
16 Claims. (Cl. 202—42)

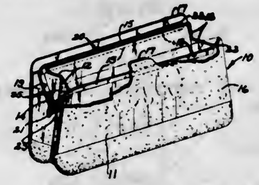


1. In a method of producing a hydrocarbon oil of higher styrene content from an oil containing a lower styrene content and at least one like-boiling non-styrene aromatic component, the step which comprises fractionally distilling such oil and 1-nitropropane to distill off a substantial portion of said like-boiling non-styrene aromatic component and produce an oil having a substantially greater styrene content than the original oil.

2,481,735
CLOSURE MEANS FOR HANDBAGS
Joseph Feigen, Brooklyn, N. Y.
Application March 22, 1946, Serial No. 656,397
2 Claims. (Cl. 150—42)

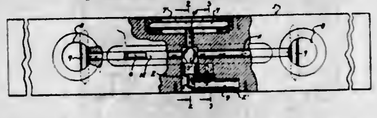
2. In a handbag having front and back walls interconnected at their bases and having free

upper edges and gussets secured between the oppositely disposed side edges of the walls to be folded inwardly between the adjacent faces of the walls, a pair of frame members each having an elongated top leg and a short foot depending from one end thereof, said legs being secured to the inner faces of the top edges of the walls, said feet being extended parallel to each other and depending into the fold formed in one of the gussets, hinge means secured to the bottom ends of said feet pivotally connecting said frame members



together, continuous rows of slide fastener elements mounted on the adjacent edges of the legs and feet of said frame members, and a slide fastener pull tab engaging said slide fastener elements for connecting said slide fastener elements to retain said frame members closed when said pull tab is moved to one end of said frame members and for disengaging said slide fastener elements to free said frame members to be pivoted relative to each other when said pull tab is moved to the other end of said frame members.

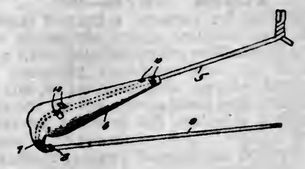
2,481,736
ILLUMINATED LEVEL
Albert W. Foerster, Milwaukee, Wis., assignor of one-half to Gerald D. Carter, Milwaukee, Wis.
Application February 11, 1946, Serial No. 646,828
1 Claim. (Cl. 240—6.44



In a spirit level comprising an elongated block having central and end openings therein, carrying spirit level tubes, the block being formed with a central L-shaped recess therein, a longitudinally disposed channel extending through one face of the block in communication with the central recess and end openings therein, a light bulb fitted in the vertical stem of the L-shaped recess, a battery electrically connected to the bulb fitted into the foot of the L-shaped recess, whereby the light unit is compactly nested, a switch button for the battery connections extending through the block, transparent rod sections imbedded in the block channel, each pointing an end toward the light bulb, and the opposite end of the same being pointed toward a spirit level, and a one-piece filler strip fitted into the channel to confine the longitudinally disposed transparent rods.

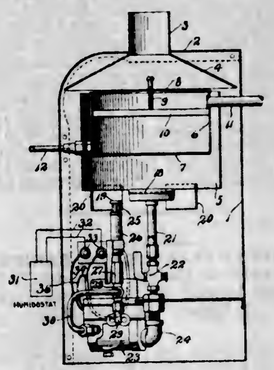
2,481,737
COAT HANGER ATTACHMENT
Irl C. Gartner, Dallas, Tex.
Application December 26, 1945, Serial No. 637,210
1 Claim. (Cl. 223—92)

An attachment for coat hangers, comprising a body portion constructed of semi-rigid material, said body portion comprising a concavo-convex structure, the convex surface being disposed outwardly, tabs extending inwardly from the body portion and adapted to be extended around a support on which the attachment is to be positioned, an extension formed at the outer end of the body portion, an elongated tongue formed at the end of the extension, said tongue



being extended at an oblique angle with respect to a center line drawn longitudinally through the body portion, said extension adapted to overlie an end of a coat hanger on which it is to be positioned with the tongue adapted to be wrapped around a bar of a coat hanger, under the body portion.

2,481,738
HUMIDIFIER
Harry E. Gibson, Muskegon, Mich.
Application January 26, 1948, Serial No. 4,341
4 Claims. (Cl. 236—44)

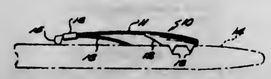


1. In a humidifier, a receptacle for holding water, means for supplying water to the receptacle to maintain the level of the water substantially constant, an outlet to the receptacle for conveying water vapor to a preselected space the air of which is to be supplied with the vapor, a burner underneath the lower side of the receptacle, a conduit for conducting gaseous fuel to the burner, control means for preventing the flow of gaseous fuel therethrough or for permitting its passage, an electric circuit associated with said control means for operating it for the passage of fuel to the burner when the circuit is closed, a humidostat control for closing and breaking said electric circuit to be located in said space supplied with vapor from the receptacle, said humidostat control opening the circuit when the humidity of said space is below a predetermined amount and closing said circuit upon attainment thereof, said receptacle having an open upper end and a movable cover closing the upper end of the receptacle, said cover being free to move upwardly upon attainment of a predetermined pressure within the receptacle.

2,481,739
RECTIFIERS
Mac Goodman, New York, N. Y., assignor to Radio Receptor Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 23, 1946, Serial No. 649,747
4 Claims. (Cl. 175—366)

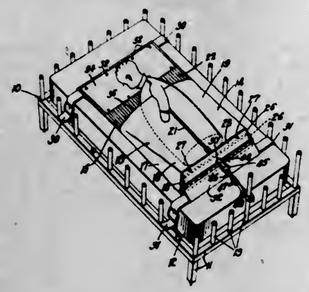
1. A method for forming a barrier layer in a selenium type rectifier which comprises surface treating a crystalline selenium layer with a stable solution of an oxidizing and reducing agent which do not interact with each other, but which preferentially and successively act on the surface of crystalline selenium for forming by selective action an integral layer of amorphous selenium on the exposed surface of the crystalline selenium.

2,481,740
CLIP
Leonard O. Gordon, Bremerton, Wash.
Application August 14, 1946, Serial No. 690,418
1 Claim. (Cl. 24—11)



In a clip for fastening pens, pencils, and the like, to supporting material, a resilient limb having one end provided with a head secured to the article to be fastened and equipped at its remaining end with a detent frictionally engageable with said material, an arcuate leaf spring secured at one end thereof to said detent and extending in the direction of said head, said spring having a free end provided with a set of gripping teeth normally engaging said material, and a slidable band extending around said limb and said spring, sliding of said band disengaging said teeth from said material.

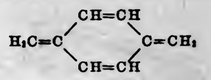
2,481,741
SAFETY SLEEPER FOR BABIES
Sherburne R. Graves, Plymouth, N. H.
Application January 17, 1945, Serial No. 573,260
3 Claims. (Cl. 128—134)



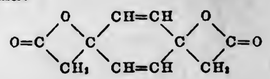
1. A collapsible sleeping bag having, in combination, a closed foot end, a pocket formed on said foot end adapted to hold a stiff reinforcing member, and a laterally extending sleeve on the outside wall of said pocket adapted to receive a securing strap, a lateral edge of said sleeve being secured to said pocket wall above the lower edge thereof.

2,481,742
CONDENSATION OF KETENES WITH QUINONES
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 7, 1948, Serial No. 6,988
12 Claims. (Cl. 260—344)

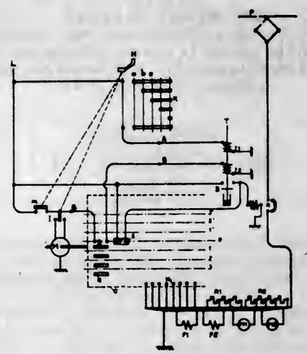
11. As a new compound, benzoquinone dimethylene having the formula:



12. As a new compound, the lactone having the formula:



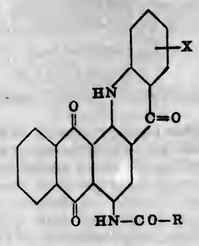
2,481,743
CONTROLLER AND CIRCUIT BREAKER FOR ELECTRIC MOTORS
Leon Heidmann, Jeumont, France, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France, a corporation of France
Application July 28, 1947, Serial No. 764,112
In France September 29, 1942
5 Claims. (Cl. 318—545)



1. A safety equipment for interrupting the current of electric motors when there is a stoppage or an irregularity in the return movement of a cam shaft controller cooperating with said motors, comprising a master controller, a main circuit breaker, a first auxiliary circuit normally maintaining said circuit breaker closed, a delayed action slow opening relay with two coils adapted to close said circuit breaker, the first of said coils being connected in series with said first auxiliary circuit to maintain said relay in a closed position, a second auxiliary circuit comprising the second of said relay coils, means upon said master controller for energizing said first auxiliary circuit during the running of said motors only, and means upon said cam shaft controller for periodically closing said second auxiliary circuit during the return movement of said cam shaft controller, when the first coil is deenergized.

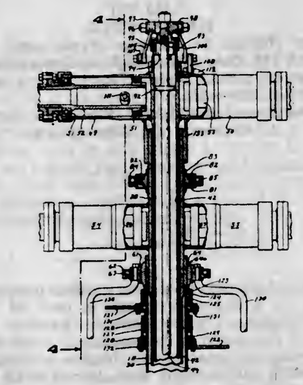
2,481,744
3':4'-PHTHALOYLACRIDONES
Robert Norman Heslop, Francis Irving and Alistair Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 14, 1945, Serial No. 610,868. In Great Britain August 15, 1944
3 Claims. (Cl. 260—276)

1. The vat dyes of the general formula:



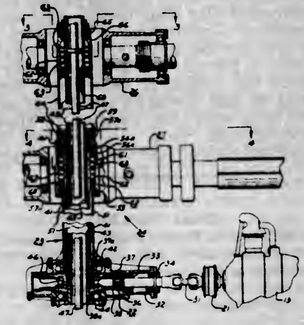
wherein X is an alkanesulphonyl radical and R is a monocyclic aryl radical.

2,481,745
HELICOPTER
Stanley Hiller, Jr., Berkeley, Calif., assignor, by mesne assignments, to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application February 21, 1944, Serial No. 523,181
6 Claims. (Cl. 170—135.24)



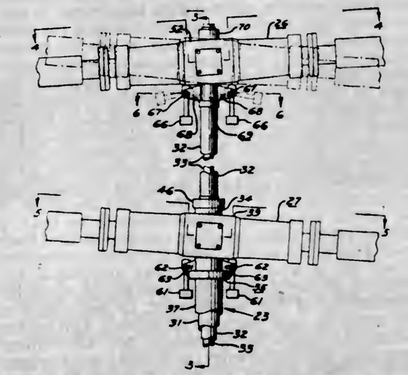
1. A helicopter comprising a hollow shaft rotatable about its axis, a wing, means supporting said wing for rotation with said shaft and for adjustment as to pitch, wobble mechanism adjustable axially along said shaft, means for effecting said axial adjustment of said wobble mechanism, a rod within said shaft adjustable axially with respect thereto, means for effecting said axial adjustment of said rod, and linkage connecting the wobble mechanism and the wing to adjust the pitch of said wing in one direction upon axial adjustment of said wobble mechanism alone, said linkage including a lever member pivotally connected to said rod whereby when said rod and said wobble mechanism are both simultaneously axially adjusted the pitch of said wing is adjusted in an opposite direction.

2,481,746
HELICOPTER
Stanley Hiller, Jr., Berkeley, Calif., assignor to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application March 27, 1946, Serial No. 657,372
1 Claim. (Cl. 170—135.75)



In a helicopter, a body, a power unit in the body, a drive head structure projecting upwardly from the body and including a vertically disposed drive shaft having a drive connection with the power unit, a wing structure including a first hub about said drive shaft and a second hub mounted for pivoting movement on the first hub about an axis transverse to the axis of said drive shaft, said second hub being connected to a wing, spaced bearings journalling said first hub about an upper portion of the drive shaft, a main support bearing between said body and said drive shaft adjacent the lower end of the drive shaft, and a free wheeling unit disposed between said spaced bearings and having its inner support rim upon the drive shaft and its outer support rim within the first hub of the wing structure to provide for overdriving of the wing structure in the event of failure of the drive therefor.

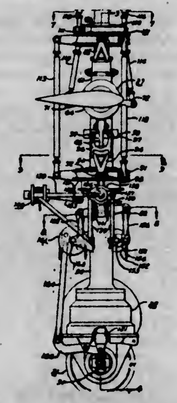
2,481,747
HELICOPTER
Stanley Hiller, Jr., Berkeley, Calif., assignor to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application March 27, 1946, Serial No. 657,373
3 Claims. (Cl. 170—160.55)



1. In a rotary wing aircraft, an upright wing structure supporting shaft, a wing structure

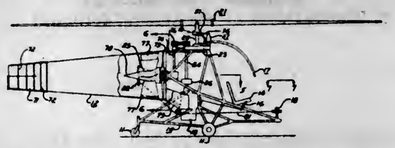
mounted on said shaft for rotation about the axis of said shaft and for flapping movement about a generally horizontal axis transverse to said shaft axis, a bracket member below said wing structure mounted for rotation with said wing structure about the axis of said shaft and having a laterally extending ear member, and a pendulum type stop member freely pivoted in said ear member intermediate its ends to thus provide in the stop operative position thereof an upwardly extending arm portion and a downwardly extending flyweight arm portion which is outwardly swingable under the action of centrifugal force, the upper end of said upwardly extending arm portion providing said stop adapted to engage the underside of said wing structure for limiting downward flapping of said wing structure.

2,481,748
HELICOPTER
Stanley Hiller, Jr., Menlo Park, Calif., assignor to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application August 12, 1946, Serial No. 689,941
11 Claims. (Cl. 170—135.24)



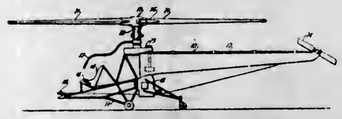
1. A helicopter comprising a body, a set of wings rotatable in one direction about a drive axis, another set of wings rotatable in an opposite direction about said drive axis, each of said sets of wings being mounted for end to end pivoting movement about a pivotal axis transverse to said drive axis and each wing being mounted for pitch adjustment about its own axis, a wobble system including wobble mechanism and linkage associated with each set of wings for adjusting the pitch of the wings during rotation thereof for directional control, means mounting each of said wobble mechanisms for axial adjustment along said drive axis, said wobble mechanisms being directly interconnected for simultaneous axial adjustment along said axis to adjust through such linkage the pitch of said wings with the pitch of one set of wings adjustable opposite to that of another set of wings to effect turning of said body about said drive axis, a control system connected to one set of wings for effecting additional adjustment of the pitch of said one set of wings independently of the adjustment of both sets of said wings in said opposite directions, and means connecting the control system for adjustment along said drive axis with the wobble mechanisms to cause the pitch of all sets of wings to be adjusted simultaneously in the same direction for altitude control.

2,481,749
REACTION JET TORQUE COMPENSATION FOR HELICOPTERS
Stanley Hiller, Jr., Menlo Park, Calif., assignor to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application November 25, 1946, Serial No. 712,181
2 Claims. (Cl. 244—17.19)



1. A helicopter comprising a wing structure rotatable about an upright axis, an elongated gas tunnel having an inlet opening at its front end and a laterally directed rear discharge opening in one side thereof, a blower adjacent the inlet opening of the tunnel and rotatable about an axis extending longitudinally of the tunnel for creating a jet of gas through said tunnel for discharge through said rear opening to compensate for the torque effect of said wing structure, the side wall of said tunnel having a lateral by-pass opening adjacent said inlet opening through which some of said gas jet can be by-passed for controlling turning of the helicopter, and an inwardly opening flap by-pass valve having one end pivotally mounted adjacent the rear of said by-pass opening for controlling the by-pass of said gas jet through the by-pass opening.

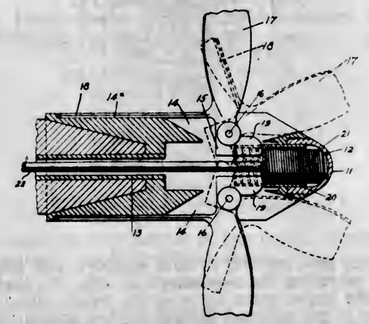
2,481,750
HELICOPTER
Stanley Hiller, Jr., Menlo Park, and Joseph Stuart, III, Palo Alto, Calif., assignors to United Helicopters, Inc., Palo Alto, Calif., a corporation of California
Application June 3, 1947, Serial No. 752,146
12 Claims. (Cl. 170—135.26)



4. In a helicopter of the contra-rotating coaxial type, a drive structure, a pair of coaxial contra-rotating lifting rotors having blades mounted for pitch adjustment, a control rotor comprising at least three blades mounted for cyclic pitch adjustment and driven with one of said coaxial rotors, pilot controlled means for effecting cyclic pitch adjustment of said control rotor, and control means from said control rotor to each of said lifting rotors.

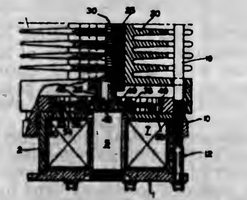
5. In a rotary wing aircraft; a lift wing supporting column; a lift wing; a control blade for said lift wing; means mounting said lift wing and said control blade for rotation about the axis of said column; said mounting means including a pivotal mounting for said lift wing along a first axis extending longitudinally of the lift wing for pitch adjustment thereof, a pivotal mounting for said lift wing along a second axis extending transversely of said first axis for flapping of the lift wing, a pivotal mounting for the control blade extending longitudinally of the control blade for pitch adjustment thereof along a third axis, and a pivotal mounting for the control blade along an axis extending transversely of said third axis for flapping of the control blade whereby said pitch adjustment of the control blade automatically results through aerodynamic forces upon said control blade in said flapping of the control blade; a positive actuating connection between said control blade and said lift wing to effect said pitch adjustment of said lift wing about said first axis upon flapping of said control blade which automatically results through aerodynamic forces upon the lift wing in flapping of said lift wing about said second axis; and means including a pilot operable control member for effecting pitch adjustment of the control blade.

2,481,751
VARIABLE THRUST AND REVERSING PROPELLER
Jerome B. James, Emigrant Gap, Calif.
Application June 14, 1946, Serial No. 676,727
4 Claims. (Cl. 170—160.52)



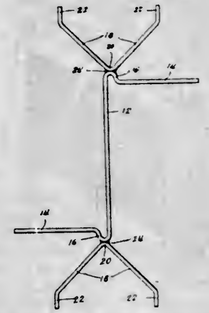
1. A propeller comprising a tubular hub, two integral blades having a common boss with a cam shoulder, said boss being pivotally mounted in said hub, said blades being set relatively to each other at substantially a right angle and with relative pitches to produce in one a forward thrusting action and in the other a reverse thrusting action, an axially reciprocable rod to operate said cam to pivot said blades alternately out of operative position, and resilient means to produce axial tension on said operating rod.

2,481,752
ELECTRIC REGULATOR WITH DIAPHRAGM TYPE SPRING
Cletus J. Jenny, Clifton, and Thomas F. Pryor, III, Upper Montclair, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application May 15, 1946, Serial No. 669,780
2 Claims. (Cl. 201—51)



1. In an electric regulator of the type including a variable resistance element, an electromagnet having an essentially non-linear force characteristic, and an armature operated by said electromagnet and operably connected to said variable resistance element; the improvement comprising a one piece annular cup-shaped member having a resilient diaphragm portion formed integral therewith at one end of said cup-shaped member, said diaphragm portion centrally connected to said armature, an annular flange portion formed as an integral part of said cup-shaped member and flared outwardly at the opposite end of said cup-shaped member, an annular ring shaped member supported by said electromagnet and extending about the flared end of said cup-shaped member, the flared end of said cup-shaped member supported by said electromagnet and positioned within said ring-shaped member so that the latter member firmly holds said cup-shaped member in operative relation during the flexing of said diaphragm, annular corrugations formed in said diaphragm portion intermediate said armature and said annular flange portion, said corrugations movable under action of said electromagnet in a direction tending to affect said corrugations so as to develop a tension force continuously increasing in excess of a linear relation as said armature approaches said electromagnet and thereby effect basic correspondence with the changes in the magnetic force of said electromagnet due to such movement of the armature.

2,481,753
CLOTHESLINE REEL
Bertram E. Johnson, Newton, Iowa, assignor to Winpower Mfg. Company, Newton, Iowa, a corporation of Iowa
Application March 22, 1947, Serial No. 736,453
4 Claims. (Cl. 242—96)

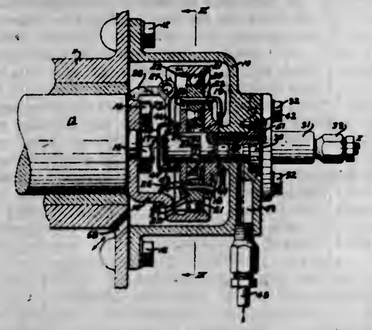


1. In a device of the type described, an elongated shank, a handle member formed integral with said shank adjacent each end thereof, said handle members extending laterally from said shank on opposite sides thereof, and a pair of diverging arms formed separate from and secured to each end of said shank and extending longitudinally outwardly from the shank.

2,481,754
PUMP
Lloyd E. Johnson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application July 27, 1946, Serial No. 686,770
3 Claims. (Cl. 103—161)

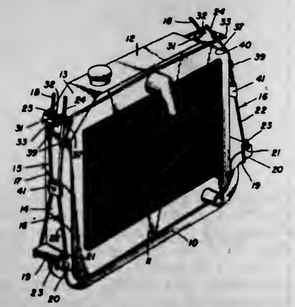
1. A pump comprising a stator having intake and discharge passages, a cylinder block rotatable on the stator and carrying radially arranged re-

ciprocable plungers cooperating with said passages, an eccentrically disposed rotary drive member surrounding the cylinder block to limit outward movement of the plungers, and springs en-



gaging opposed pairs of plungers to urge them outwardly into contact with the drive member, one of said springs having a part engaging the drive member to form a driving connection with the cylinder block.

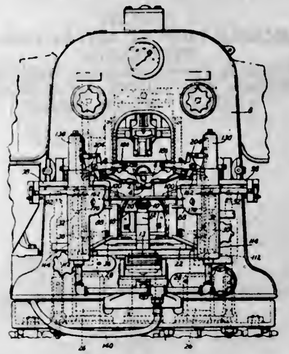
2,481,755
RADIATOR CLAMP
Gilbert C. Jones, La Grange, N. C.
Application August 6, 1947, Serial No. 766,725
3 Claims. (Cl. 248—361)



1. A radiator clamp comprising a loop adapted to embrace the upper end of a radiator, a saddle member coupled to each end of the loop and adapted to engage the radiator adjacent each upper corner, an anchoring yoke on each side of the radiator having one end engaged with a fixed member and the other end passed through an adjacent saddle and means on the yokes to engage the saddles and force them downwardly against the radiator.

2,481,756
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 19, 1947, Serial No. 735,711
49 Claims. (Cl. 12—8.5)

18. In a lasting machine, means for trimming from the margin of the toe-end portion of a multi-ply upper on a last all but the outer layer of the upper materials, a toe former constructed and arranged to extend about the toe end of the upper, a support for said toe former operatively movable to carry it heightwise of the last in wiping engagement with the upper first prior to the upper-trimming operation and thereafter a second time after the upper-trimming operation following a reverse movement thereof, toe wipers carried by said support for wiping the margin of the outer layer of the toe-end portion of the upper inwardly over an insole on the last after the second operative movement of the support, side



wipers also carried by said support, and means for operating the side wipers to wipe the margin of the upper inwardly over the insole along the sides of the forepart beyond the toe portion after the first operative movement of the support and for maintaining them in engagement with the overwiped margin of the upper during the reverse movement of the support, the side wipers being mounted to tip relatively to the support during its reverse movement in response to pressure of the shoe thereon.

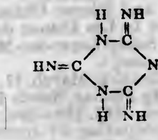
2,481,757
OPTICAL REFLECTING MATERIAL
Thoger G. Jungersen, Summit, N. J.
Application February 8, 1943, Serial No. 475,155, which is a division of application Serial No. 175,541, November 19, 1937. Divided and this application May 23, 1945, Serial No. 595,342
1 Claim. (Cl. 88—78)



A relatively large flexible sheet reflector having indentations formed on one of its surfaces in accordance with the laws of optics to reflect light, some of said indentations being formed to reflect light from the sky in a generally horizontal direction when the flexible sheet reflector is in a generally vertical plane, said indentations comprising inclined plane reflecting surfaces, and a second set of indentations formed on said surface and designed to reflect light in the general direction of a second source of light so as to produce an autocollimating effect, said second set of indentations each comprising three plane surfaces each of which are at right angles to the other, all of said indentations being of such relatively small size as compared with the outlines of said sheet that the general outlines of said sheet will not appear substantially disfigured to an observer at relatively close range, the reflecting units formed by the said indentations being of such design as to reflect substantially all the light transmitted to them from a light source, the depth of the units being very small and ranging in size up to approximately one tenth of an inch.

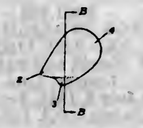
2,481,758
MONO-ARYL ISOMELAMINES
Donald W. Kaiser, Riverside, and Daniel E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 14, 1944, Serial No. 554,155
13 Claims. (Cl. 260—249.5)

1. Substantially pure mono-substituted isomelamines having the formula



in which R is a radical of the group consisting of aromatic and aliphatic radicals.

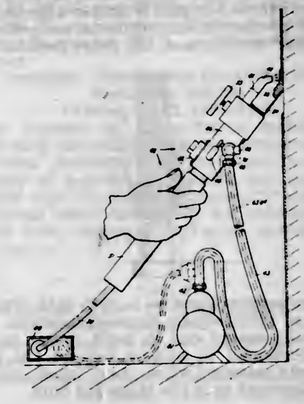
2,481,759
PLECTRUM WITH TWO PLAYING POINTS
Raymond H. Lawrence, South Akron, Ohio
Application June 9, 1948, Serial No. 31,982
2 Claims. (Cl. 84—322)



1. A flat, one-piece plectrum for playing a stringed musical instrument, which is formed with two playing points, one of which is relatively thin and the other of which is relatively thick, so that in use different tones are obtained, the two playing points being located near one another so that they may be used simultaneously, but the shape of the plectrum being such that either playing point may be used without the other.

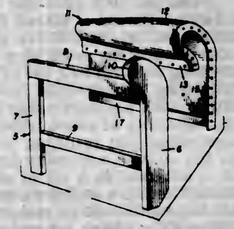
2,481,760
VAPOR SUPERHEATING SYSTEM AND APPARATUS
Louis J. Leher, New York, N. Y., assignor to Steam Torch Corporation, New York, N. Y.
Application November 13, 1945, Serial No. 628,106
4 Claims. (Cl. 219—39)

1. A vapor superheater having a vapor duct insulator block formed of ceramic material with multiple parallel passages, each duct passage closely confining a bare resistor heating element, means to control the passage of vapor in contact with the bare resistor elements and means isolat-



ing the vapor gas from back flow to the source of vaporization.

2,481,761
UPHOLSTERED FURNITURE STRUCTURE
Richard R. Leon, Elsmere, Del.
Application March 24, 1947, Serial No. 736,777
1 Claim. (Cl. 155—184)



An upholstered furniture structure comprising a frame including a pair of uprights and an upper and a lower cross bar connecting said uprights, a rigid panel imposed against said uprights at one side of the frame with a lower edge opposite and spaced from the lower cross bar, said panel having preformed thereon an upper hollow roll overlying the upper cross bar clear thereof and terminating in a longitudinal flange attached to said upper cross bar, said panel having a flange extending along one side edge thereof and around one end of said roll and attached to one of said uprights, and upholstery material enclosing said frame and panel and extending across the space between said lower edge of the panel and the lower cross bar.

2,481,762
HARD RUBBER BALL THREAD GRIPPING LOCK NUT
Lester L. Lewis, Cabot, Pa.
Application June 9, 1948, Serial No. 31,860
3 Claims. (Cl. 151—7)

1. Lock nut comprising complementary nut members, each having axially disposed threaded bores adapted to co-mate with a common bolt, and polygonal end portions adapted to accoun-

modate a wrench, one of said members formed with an axially disposed open ended chamber proportioned to seat closely over a portion of the other, the wall of said chamber adjacent said open end beveled to constitute an inwardly facing annular cam surface, the other member having a port proportioned to seat in said chamber and formed with radially disposed passages, hard rubber balls seated one in each radial passage and proportioned to project beyond the outer end of said passage when their inner surfaces are in alignment with the threaded bore.



2,481,763

TECHNIQUE FOR ISOLATING SUBTILIN

Hans Lineweaver, Berkeley, and Alvin A. Klose and Gordon Alderton, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture

No Drawing. Application February 13, 1948, Serial No. 8,266

4 Claims. (Cl. 167—65)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising acidifying an aqueous culture containing subtilin to a pH of about from 1 to 3.5, extracting the subtilin from the thus acidified culture with an inert organic polar solvent having a solubility of about from 5% to 20% in water, separating the resulting polar solvent extract from the culture, adjusting the polar solvent extract so obtained to a pH of about from 4 to 7 and adding thereto a sufficient quantity of a water-soluble inorganic salt to salt out the subtilin as a solid subtilin phase, separating the solid subtilin phase from the extract, and washing the solid subtilin phase to remove the excess of the inorganic salt.

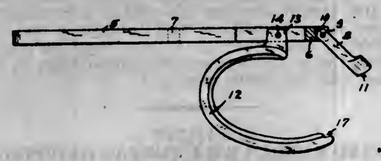
2,481,764

HAND TOOL FOR LOOSENING AND FORCING TIRE BEADS INTO RIM CENTERS

Bradley O. Luton, Tacoma, Wash.

Application September 23, 1946, Serial No. 698,783

1 Claim. (Cl. 157—1.26)



A tool for use in removing pneumatic tires from drop center rims comprising an arch member adapted to extend over and partially around the outside of a pneumatic tire and to have one portion thereof positioned in engagement with the marginal portion of a rim on which the tire is mounted; a lever arm fulcrumed intermediate its ends on the other end portion of said arch member, said lever arm having a forked inner end portion provided with a solid wall adapted to form a stop; a tire bead thrust member having one end portion positioned in the forked end portion of said lever arm; transverse pivot means extending through said forked end portion of said lever arm and the end portion of said thrust member therein pivotally connecting said lever arm and said tire bead thrust member; a stop member on the pivoted end portion of said tire bead thrust member positioned to engage with said solid wall of said lever arm to limit to a small angle the swinging movement of said tire bead thrust member relative to said lever arm and to support said tire bead thrust member in a position inclined away from the axis of said lever arm and toward said arch member; and a cross member on the end portion of said tire bead thrust member remote from said pivot means adapted to engage with the bead portion of a tire.

2,481,765

PROCESS FOR PREPARING γ-ALDOLS AND γ-KETOLS

Maurice Mainçon and Pierre Chassaing, Melle, France, assignors to Les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France, a company of France

No Drawing. Application March 17, 1945, Serial No. 583,379. In France March 17, 1944

7 Claims. (Cl. 260—594)

1. A process for preparing a γ-hydroxy-oxo aliphatic compound, which comprises oxidizing a tetrahydrofurane compound of the class consisting of tetrahydrofurane and alkyl substituted tetrahydrofuranes at a temperature of about 40° to about 120° C., so as to produce a mixture comprising the peroxide of said tetrahydrofurane compound, a γ-hydroxy-oxo aliphatic compound which is the decomposition product of the same peroxide, and unconverted tetrahydrofurane compound; and isolating said γ-hydroxy-oxo aliphatic compound from said mixture.

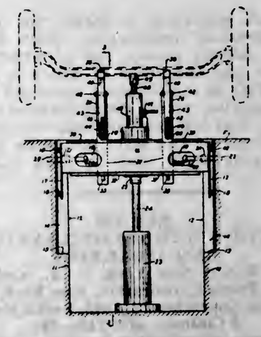
2,481,766

APPARATUS FOR STRAIGHTENING AXLES AND THE LIKE

Marcellus S. Merrill and Ralph W. Becker, Denver, Colo.

Application July 3, 1944, Serial No. 543,274

9 Claims. (Cl. 153—38)



1. Apparatus for straightening axles and the like, comprising, in combination, a beam-like base having operatively assembled therewith means for gripping an axle and means for applying pressure against such axle, a floor and a pit therein, opposed channels in the walls of the pit extending downwardly from the top portion of the pit, the ends of said base lying within, and bearing against the walls of, said channels, and means for moving said base in, and longitudinally of, said channels whereby to project said gripping means above said floor, or retract said base downwardly in said pit.

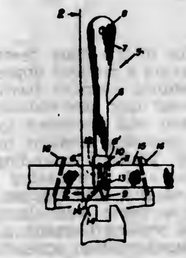
2,481,767

RIBBON CHANGING IMPLEMENT

Eva Meyer, Cedar City, Mo.

Application December 10, 1946, Serial No. 715,312

1 Claim. (Cl. 81—3)



In an implement for handling ribbons on typewriters and the like, an elongated handle provided at one end thereof with a head, said head being formed with a substantially H-shaped slot consisting of a pair of spaced parallel slot portions extending longitudinally of said head and an obliquely extending slot portion connecting together the parallel slot portions intermediate the ends of the latter, one of the parallel slot portions having an open outer end, said H-shaped slot defining three spaced parallel elements in said head, one of the outside elements being shorter than the remaining outside element, said shortened element being adjacent said open slot portion and having a bevelled outer end substantially parallel to the obliquely extending slot portion, whereby said bevelled end and the obliquely extending slot portion facilitate insertion of a ribbon into said slot.

2,481,768

TREATMENT OF SUGAR-BEARING SOLUTIONS

Gordon F. Mills, San Francisco, Calif., assignor to Chemical Process Company, San Francisco, Calif., a corporation of Nevada

No Drawing. Application June 17, 1947, Serial No. 755,245

2 Claims. (Cl. 127—46)

1. The method of deacidifying and purifying an acid reducing-sugar bearing solution which comprises treating said solution with an organic anion exchanger having amine groups in which substantially all of the amine of substantially all of said exchanger is alkylated to the tertiary form to obviate reaction between carbonyl reacting groups of the sugar and the amine, and effecting removal between the solution and the exchanger.

2,481,769

ESTER-LACTONES OF ISOPROPENYL ACETATE HETEROPOLYMERS

Louis M. Minsk and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 27, 1945, Serial No. 631,214

3 Claims. (Cl. 260—78.5)

1. A process for preparing a resinous ester comprising heating to reacting temperature one molecular proportion of the equimolar heteropolymer of isopropenyl acetate and maleic anhydride with from 2 to 25 molecular proportions of normal hexyl alcohol, in the presence of sulphuric acid, whereby hexyl ester-lactone formation occurs.

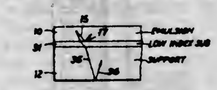
2,481,770

ANTIHALATION PHOTOGRAPHIC FILM

Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 1, 1949, Serial No. 73,964

4 Claims. (Cl. 95—9)



1. An antihalation photographic film, comprising a plurality of laminated layers including a translucent sensitive emulsion layer having a sensitive material dispersed in a vehicle and a plurality of solid transparent supporting layers at least one of which contains more than thirty per cent by weight of a low refractive index fluoride salt, has a thickness greater than that at which optical interference effects appear, is within 0.005 inch of said emulsion layer and has an index of refraction at least 0.08 less than that of said vehicle.

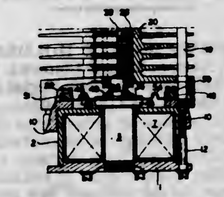
2,481,771

CARBON PILE REGULATOR

William Greene Neild, Warren Point, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application August 25, 1945, Serial No. 612,691

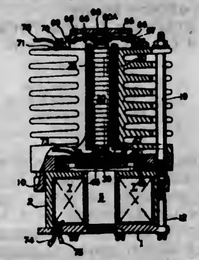
3 Claims. (Cl. 201—51)



1. In a regulator of the class including a carbon pile, a solenoid having an essentially non-linear magnetic force characteristic, and said solenoid including a pole piece and an armature for varying the compression of said carbon pile; the improvement comprising a flexible sheet spring member having a first portion thereof secured to said armature for applying a pressure in opposition to the pull of said solenoid, means for anchoring second outer portions of said spring member in a fixed position for preventing movement of the outer portions during the flexing of said spring member, said spring member also

having a third corrugated portion intermediate the first and second portions, the first and second portions being positioned in substantial alignment, said third corrugated portion movable with said armature under the action of said solenoid in a direction tending to affect said corrugated portion so as to develop a tension force opposing the action of the solenoid, the corrugated portion so constructed and arranged as to continuously increase said tension force in excess of a linear relation as said armature approaches the pole piece of said solenoid and to effect basic correspondence with the changes in the magnetic force of said solenoid due to such movement of the armature.

2,481,772
CARBON PILE REGULATOR
William Greene Neild, Warren Point, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 6, 1945, Serial No. 627,028
8 Claims. (Cl. 201—51)



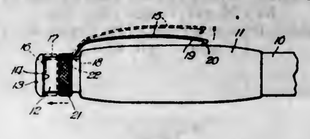
1. In an electric regulator of the type including a plurality of compressible carbon discs forming a carbon pile, an armature operably connected so as to adjustably compress said carbon pile, a main spring member for biasing said armature in a first direction, and an electromagnet for biasing said armature in an opposite direction in opposition to said main spring member; the improvement comprising an auxiliary spring member positioned between said armature and one end of said carbon pile for applying a minimum compressive force to said carbon discs so as to prevent said carbon pile from opening upon said armature being biased to a position out of compressive relation with said carbon pile.

2,481,773
NURSING BOTTLE HOLDER
Robert V. Nelson, Mount Clemens, Mich.
Application February 12, 1948, Serial No. 7,770
1 Claim. (Cl. 248—107)



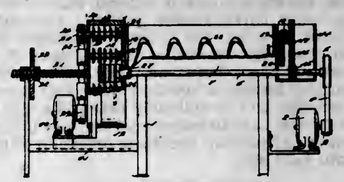
A bottle holder formed of a single piece of wire bent on each extremity to form rectangular supports, a pair of oppositely disposed vertical arms perpendicular to said supports and a transverse wire looped medial its length and connecting said vertical arms, said loop being bent at an angle to the plane of the transverse wire.

2,481,774
POCKET FASTENER FOR PENS AND THE LIKE
Clarence F. Norlin, Chicago, Ill.
Application August 30, 1945, Serial No. 613,669
2 Claims. (Cl. 24—11)



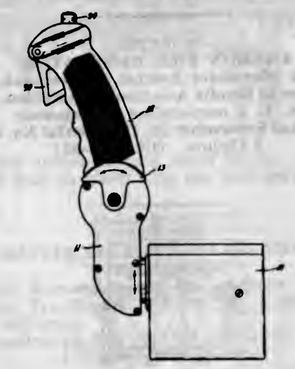
1. In a device of the class described, a writing element having a reduced upper end portion, a resilient clamping element having a straight portion positioned upon said reduced end portion with its adjacent end anchored to said writing element, said clamping element having an upwardly sloping portion extending from said straight portion and terminating in a portion having a hooked end, said sloping portion normally tending to move said clamping element away from said writing element, a slidable ring upon said reduced portion extending over said straight portion and movable against said sloping portion for forcing said hooked end against said writing element.

2,481,775
CUTTING MACHINE
Christopher Offenhauser, Philadelphia, Pa.
Application July 11, 1945, Serial No. 604,413
1 Claim. (Cl. 146—106)



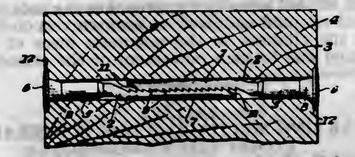
In a cutting machine, a cylindrical casing having one end wall movable axially of the casing, a rotary shaft concentric with the casing, substantially radial cutting blades on said shaft arranged axially of and circumferentially about the shaft, a plurality of shafts journalled in said movable end wall and disposed circumferentially about said cutter blades, a series of circular cutters on said plurality of shafts forming substantially a wall about said central cutter blades, said casing having two openings in its fixed end, conveyor means to feed material into one opening and to receive material from the other opening and return it to the first opening, means for driving said circular cutter independently, and means to move said movable end wall and the outer cutters axially away from the fixed casing,

2,481,776
RHEOSTAT CONTROL DEVICE
Arthur S. Osborn, Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 27, 1945, Serial No. 601,313
19 Claims. (Cl. 201—48)



1. A controller of the type described which includes: a fixed member; a first movable member pivotally attached to said fixed member for movement in a first plane; a second movable member pivotally attached to said first movable member for movement with respect thereto in a plane at an angle to said first plane; a first variable impedance mounted on said fixed member and controlled by movement of said first movable member about its pivot axis; and a second variable impedance mounted on said fixed member and controlled by the movement of said second member with respect to said first member.

2,481,777
FASTENER
Charles D. Overly, Pittsburgh, Pa., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1946, Serial No. 688,529
4 Claims. (Cl. 85—4)



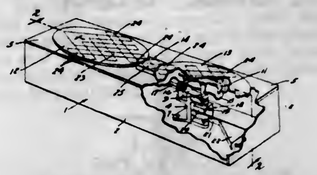
1. A fastening device comprising a pair of grips adapted to be inserted from opposite ends into a hole extending through the members to be secured or reinforced, and to lie in partially overlapped relationship in the hole, each of said grips having a shank portion, an enlarged head at one end of the shank portion, said head having a diameter greater than the diameter of the shank portion, and a flattened toothed section at the other end of the shank portion, said section having a plurality of teeth thereon, the longitudinal axis of the toothed section extending angularly in relation to the axis of the shank in the direction in which the teeth face.

2,481,778
GRIP ATTACHMENT FOR GOLF PUTTERS
Elmer C. Pearson, St. Louis Park, Minn.
Application January 15, 1947, Serial No. 722,171
1 Claim. (Cl. 273—81)



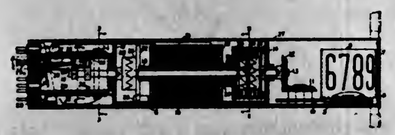
The combination with a golf putting shaft, of a grip for the shaft comprising a long body member extending longitudinally of the shaft and substantially parallel thereto, said body member having a back and a face, said body member having in its back a straight channel that extends the full length thereof and transversely straddles the shaft, the width of the bottom of the channel being less than the diameter of that portion of the shaft within said channel, the sides of the channel being in outwardly diverging relation to center the shaft in the channel, the face of the body member being flat and transversely oblique to the bottom of the channel, the end portion of the body member toward the top of the shaft being materially reduced in thickness to afford a finger hold while the other portion of the body member affords a hand hold, and means for frictionally clamping the body member onto the shaft.

2,481,779
ROTATABLE GAME BOARD
Bernhart M. Peterson, Minneapolis, Minn.
Application September 4, 1947, Serial No. 772,033
2 Claims. (Cl. 273—136)



1. In a device of the class described, a frame, a pair of laterally-spaced disc-like game boards mounted in said frame on spaced axes for simultaneous rotation in a common plane, the upper surfaces of each of said discs being laid out to form a plurality of intersecting paths over which game pieces are adapted to be moved, some of said paths on each of said discs terminating adjacent the periphery of said discs to provide a plurality of circumferentially-spaced entrance and exit ways, a stationary bridge element interposed between said discs, said bridge element being laid out to provide a plurality of paths which terminate at opposite edges thereof adjacent said discs, said paths forming continuations of the paths in said discs when aligned therewith, motion transfer mechanism mounted on said frame and connecting each of said discs for simultaneous rotary movement, and means for checking rotation of said discs when the paths in said entrance ways are aligned with the paths of said bridge.

2,481,780
MULTIPLE POSITION ELECTRICALLY OPERATED DISPLAY INDICATOR
Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Original application March 31, 1944, Serial No. 528,926. Divided and this application September 20, 1945, Serial No. 617,504
9 Claims. (Cl. 177—328)



2. In an indicator for flight progress boards, a display drum rotatable in a plane at right angles to the length of the indicator, a shaft extending horizontally to the length of the indicator and connected at one end through bevel gears to said drum, a reciprocatory drive mechanism mounted on said shaft and acting to turn said shaft through predetermined angles in the same direction when said mechanism in reciprocated, rotatable contacting means mounted on said shaft at its other end, an operating winding for moving said drive mechanism to one position and a biasing spring for moving it to its other position, and circuit means for intermittently energizing said winding, whereby said display drum and said contacting means are operated step by step to their different positions while said winding is intermittently energized by said circuit means.

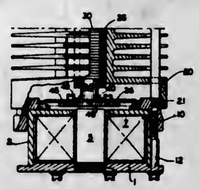
2,481,781
COMBINATION AUGER AND REAMER
Charles D. Rawlinson, Sr., Dallas, Tex.
Application December 8, 1945, Serial No. 633,824
2 Claims. (Cl. 255—76)



1. A reaming device comprising a disk having a radially extending guide seat, a shank secured to and extending vertically through the center of said disk, a vertical tubular member having opposed vertical slots, said tubular member slidably receiving said shank, a pin extending through said slots and the upper end of said shank, a reamer blade, a first link secured at its lower end to said blade and pivoted at its upper end to said tubular member, a second link terminally pivoted to said blade and to the lower end of said shank beneath said disk, said blade moving through said guide slot, and a releasable latch means for retaining said blade in an elevated inoperative position out of said guide slot and above said disk.

2. The combination of claim 1, wherein said latch means includes a bar pivoted at one of its ends to said shank and a laterally extending lip on the other end of said bar adapted to support said tubular member at its lower end.

2,481,782
CARBON PILE REGULATOR
Wladimir Alexander Reichel, Hackensack, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 26, 1945, Serial No. 618,687
2 Claims. (Cl. 201—51)

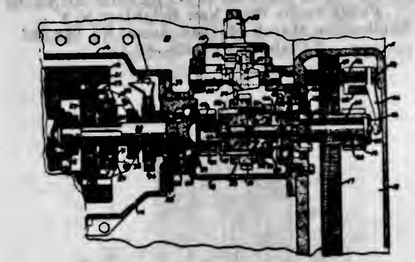


1. In a regulator of the class including a carbon pile, a solenoid having an essentially non-linear magnetic force characteristic, and said solenoid including a pole piece and an armature for varying the compression of said carbon pile; the improvement comprising a flexible diaphragm spring member having a first portion thereof secured to said armature for applying a pressure to the carbon pile in opposition to the pull of said solenoid, anchoring means suspending said diaphragm spring member and armature in operative relation to said solenoid, said diaphragm spring member having a corrugated portion intermediate the first portion and said anchoring means, said corrugated portion movable with said armature under magnetic force of said solenoid in a direction tending to affect said corrugated portion so as to develop a tension force opposing the magnetic force of the solenoid and constituting the sole supporting means for opposing the action of said solenoid, the corrugated portion so constructed and arranged as to continuously increase said tension force in excess of a linear relation as said armature approaches the pole piece of said solenoid and to effect basic correspondence with the changes in the magnetic force of said solenoid due to such movement of the armature.

2,481,783
STARTING MECHANISM FOR INTERNAL-COMBUSTION ENGINES
Ronald R. Robinson, Morton, and Jay D. Johnson, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 6, 1945, Serial No. 633,120
8 Claims. (Cl. 74—6)

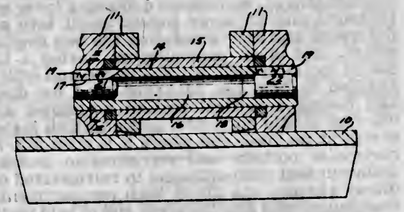
1. Starting mechanism which comprises in combination a primary engine to be started and a starting engine associated therewith, a first gear on the primary engine, a second gear adapted to be driven by the starting engine, a shaft supporting said second gear for axial movement into meshing engagement with the first gear, a grooved latch pin slideable in said shaft and engaged with the second gear, and latch pawls

pivotally carried by said shaft and engageable



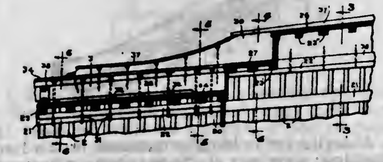
with the groove in said latch pin to retain the second gear in mesh with the first gear.

2,481,784
MASTER PIN FOR ENDLESS TRACK MECHANISM
Randall Roman, Peoria, Ill., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application July 26, 1948, Serial No. 40,664
5 Claims. (Cl. 74—251)



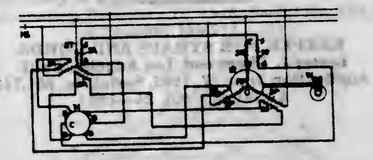
1. A hollow hinge pin or the like having bearing support adjacent its opposite ends comprising seats for tapered plugs adjacent each end of the hinge pin for expanding its ends, said seats being tapered in the same direction and a plug received by one seat of a size to pass freely though the hollow pin and the other seat.

2,481,785
BOAT STRUCTURE
Rolland C. Sabins, Seattle, Wash.
Application July 25, 1945, Serial No. 607,024
7 Claims. (Cl. 114—82)



1. In a boat hull structure, upright frames, an exterior wall secured to said frames, a clamp element extending lengthwise of the hull and secured to said frames, decking above said clamp and extending outward above the upper ends of said frames to said exterior wall, bulwarks above said decking, and hooked tie rods having lower hooked ends in hooked engagement with said clamp, extending upward between said frames and through said decking, and secured to said bulwarks to anchor them firmly to the hull.

2,481,786
CONTROL SYSTEM FOR ALTERNATING CURRENT COMMUTATOR MOTORS
Benno Schwarz, Norwich, England
Application February 12, 1948, Serial No. 7,783
In Great Britain May 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1961
8 Claims. (Cl. 318—244)



1. A control system for a multi-phase stator fed commutator motor, comprising a multi-phase single core induction regulator having stator and rotor units each provided with winding slots therein, a primary winding arranged in the slots of one of said units and another primary winding arranged in the slots of the other unit, the phase windings of one of said primary windings being connected at one end to a source of supply and at the other end to the other of said primary windings, the turn ratio of the said two primary windings being approximately unity, a secondary winding arranged in the same slots as those containing one of said primary windings, said secondary winding producing a voltage composed of a variable voltage component of approximately fixed phase position and a constant voltage component of constant phase position at right angles to the phase position of the variable voltage component, an additional winding located in a magnetic circuit independent of the magnetic circuit of the induction regulator and producing a constant voltage component of opposite phase position to the constant voltage component produced by said secondary winding of said induction regulator, and means inductively coupling said additional winding to the supply, said additional winding being series-connected with the said secondary winding, and said series-connected secondary and additional windings being connected to the commutator brushes of the commutator motor to be controlled.

2,481,787
KEY RETAINER
Samuel Segal, New York, N. Y.
Application February 14, 1945, Serial No. 577,883
5 Claims. (Cl. 224—4)



1. A key retainer adapted to be removably mounted on the wrist of a wearer and adapted to be removably sustained by supporting means; said retainer comprising endless strap means having upper and lower reaches, the lower reach embodying complementary parts having looped over portions defining spaced sockets, a connector interposed between said portions and having projections removably receivable in said sockets, a hasp having a crown portion and including spaced limbs defining a gap, fulcrum means traversing said gap and sustained by said limbs, a body interposed between and removably concealed by

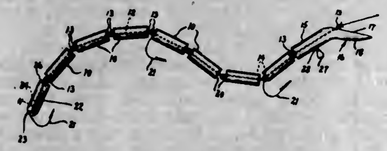
said reaches and having means swingably sustained on said fulcrum means, a tongue pivoted on said fulcrum means and removably engageable with said crown portion, a perforated strap portion, the latter and said strap means having means to hold said supporting means, and said endless strap means having a portion looped over said limbs and having an elongated slot for receiving said tongue.

2,481,788
KEEPER FOR STRAPS AND CORDS
Lester L. Sherwood, Los Angeles, Calif.
Application June 27, 1945, Serial No. 601,741
4 Claims. (Cl. 24—182)



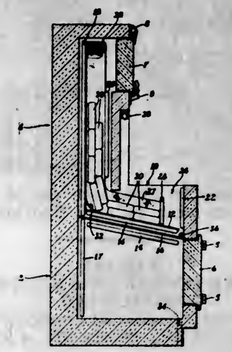
1. A keeper for straps and the like comprising a pair of identical members each formed from a single piece of wire and comprising a substantially rectangular loop, open at one of its lower corners and with the terminal portion of the wire forming said loop extending outwardly from said open lower corner in longitudinal alignment with the opposite terminal portion of the wire which forms the lower member of said loop.

2,481,789
ARTIFICIAL FISHING LURE
Clarence J. Smith, Lewistown, Ill.
Application June 10, 1946, Serial No. 675,638
1 Claim. (Cl. 43—42.15)



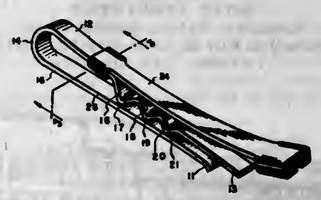
A wiggling worm artificial fishing lure comprising a plurality of floating body sections of substantially uniform length including a tail section and a lead section, a chain having links disposed through said sections, said sections being sealed at the ends thereof, said links having eyes interconnected between the sections, a hook on the tail section and projecting from the rear end thereof downwardly and formed with an eye at the front of the tail section connected to the eye of the next adjacent section, the rear end of the tail section being rounded and all of the sections having external ornamental surfaces, other hooks projecting from certain of other of said sections downwardly and having shanks extending through said certain sections, said lead section having an angularly extended, downwardly projecting, flattened, widened head portion with a rounded undersurface, and the eye of the front link of the chain projecting from said flat surface for connection to a line, and a weight at the bottom of the lead section adjacent said rounded undersurface and having a wire shank extending into the same and wound around the link therein, said head portion causing the pressure of the water to act on the flat surface of the lure, to cause wiggling thereof in the water in retrieving, trolling or otherwise moving through the water.

2,481,790
DISPLAY AND DISPENSING REFRIGERATOR
Philip Spiro, West New Brighton, N. Y.
Application March 30, 1946, Serial No. 658,535
6 Claims. (Cl. 62—89.5)



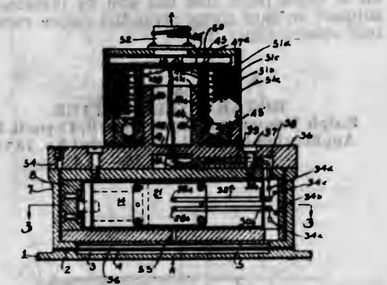
1. In a refrigerated cabinet construction, the combination of, wall means defining a lower compartment and an upper compartment with a refrigerated partition separating the two compartments, said upper compartment having a horizontal portion which is open-topped and which is adapted to hold the packaged food for display and having a vertical portion positioned along one edge of said horizontal portion which is closed except at its lower end where it is open into said horizontal portion, and refrigeration means to maintain said compartments in refrigerated condition whereby the air in both compartments is maintained cold and the lower end of said vertical portion is immersed in a cold blanket of air in said horizontal portion.

2,481,791
HAIR CLASP
Albin J. Spokus, Seattle, Wash.
Application September 2, 1947, Serial No. 771,689
3 Claims. (Cl. 132—48)



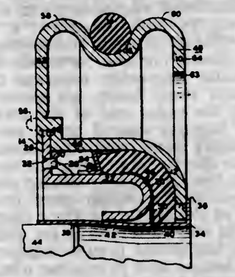
1. A device for holding ornaments in the hair, comprising: a springy U-shaped element to straddle a lock of hair and having its legs biased together, one of said legs being longer than the other and having an intermediate series of vari-sized dentations the grooves of which lie non-perpendicular and lateral to the axis of the shorter leg, a spring blade overlying said dentations and slidably secured to said longer leg between said dentations and the bend of said U-shaped element, and means for securing said spring blade to the end of said longer leg to grip an ornament between said leg and blade in one of said dentations.

2,481,792
ELECTRIC ANGULAR ACCELEROMETER
Louis D. Statham, Beverly Hills, Calif., assignor to Statham Laboratories, Inc., Los Angeles, Calif., a corporation of California
Application July 14, 1947, Serial No. 760,773
14 Claims. (Cl. 201—63)



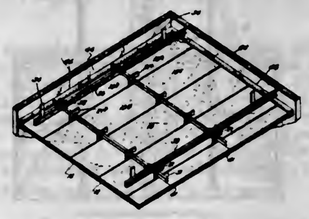
1. An angular strain wire accelerometer, comprising a case adapted to be rotatably mounted about an axis of rotation, a frame mounted in said case to rotate with said case about said axis of rotation, an inertial mass pivotally mounted on said frame, the axis of said pivot being substantially coincidental with the said axis of rotation of said frame, a strain wire connected to said frame and to said mass, and electrical terminal contacts mounted on said case and adapted to be connected to said strain wire, said terminals being relatively stationary with respect to the rotation of said frame.

2,481,793
FLUID SEALING DEVICE
John H. F. Stewart, Mount Clemens, Mich.
Application May 11, 1946, Serial No. 669,032
5 Claims. (Cl. 288—3)



1. In a device for forming a seal for cylindrical surfaces comprising a formed sheet metal housing provided with an internal guide surface, a closure cap provided with an external guide surface, means for assembling the body and cap to form an extruding chamber between the adjacent guide surfaces, said chamber terminating at a point where the cylindrical surface is to be sealed, a sealing element concentric with the surface to be sealed and adapted to fill at least that portion of the extruding chamber adjacent the cylindrical surface, resilient means located in the chamber for extruding the sealing element to maintain a continuous sealing contact between the element and cylindrical surface, and lips on the inner surface of the cap adapted to engage with the resilient means and prevent rotation thereof relative to the cap.

2,481,794
CEILING CONSTRUCTION
Roger H. Stitt, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1945, Serial No. 578,243
6 Claims. (Cl. 72—118)

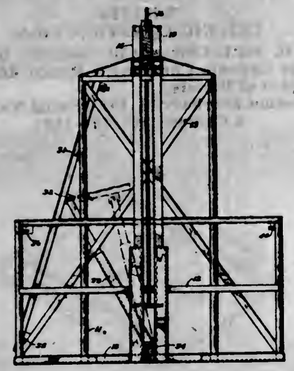


1. A supporting assembly for a ceiling comprising kerfed edge abutting panels including in combination an elongated spline member coextensive with the abutting edges of at least two panels, said member having a downwardly opening longitudinal groove substantially in alignment with the line of junction of said two panels and oppositely extending longitudinal flanges adapted to enter the juxtaposed kerfs, a plurality of hangers associated with said member, each said hanger including a vertically disposed web having a substantially rectangular notch in one vertical edge thereof, the upper edge of said notch being provided near its open end with a portion extending into said notch and said notch being wider at the region of said extending portion and said hanger including a flange adapted to underlie said first mentioned flanges and to lie within said juxtaposed kerfs, and a plurality of supporting members disposed above said panels and adapted to engage said notch, the upper margin of each notch overlying a supporting member, and said hanger being transversely slidable with respect to its associated member.

2,481,795
EXPLOSIVES SUITABLE FOR SAFETY BLASTING EXPLOSIVES
James Taylor, Saltcoats, and Owen Allen Gurton, Kilwinning, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 15, 1945, Serial No. 628,966. In Great Britain January 17, 1945
4 Claims. (Cl. 52—11)

1. Low power explosive compositions comprising at least 30% by weight of the explosive of ammonium nitrate, a less proportion of detonating explosive sensitizer ingredient, an oxidizable ammonium salt selected from the group consisting of ammonium chloride, ammonium sulphate, and ammonium phosphate, and an insoluble metal carbonate, said oxidizable ammonium salt and metal carbonate being present in amounts sufficient to provide two ammonium radicals and at least one carbonate radical for every three molecules of ammonium nitrate.

2,481,796
SAFETY GRIP FOR HOISTS OR ELEVATORS
Charles E. Thomas, Los Angeles, Calif.
Application April 14, 1947, Serial No. 741,164
2 Claims. (Cl. 187—86)



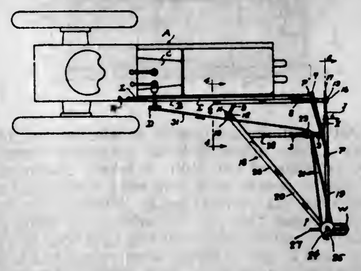
2. An elevator or hoist comprising a carriage, at least one longitudinal guide member at either side of the carriage, means connectable to cables for supporting the carriage, slidably receivable by the carriage, resilient means associated with the first named means and the carriage so as to be stressed when the carriage is supported by the first named means and urging the first named means to move relative to the carriage, a pair of jaws for each of the guide members, the jaws for each guide member sandwiching the guide member therebetween, guide means on the carriage carrying the jaws for guiding the paws inwardly and upwardly toward the guide members and downwardly and outwardly from the guide members, and means connecting the first named means and the jaws whereby when the carriage is supported by the first named means the resilient means are stressed and the jaws urged away from the guide members but when the carriage is free the resilient means urges the jaws upwardly and inwardly toward the guide members.

2,481,797
FOLDING CLOTHES RACK
Harry Emersen Turner, Santa Monica, Calif.
Application October 31, 1947, Serial No. 783,297
2 Claims. (Cl. 211—97)



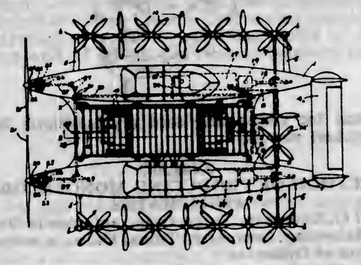
1. In a folding clothes rack, a hanger to attach said rack to a wall, a clevis on said hanger having a pivot for a support, a support pivotally mounted upon said pivot and having fixed arms extending at right angles to said support, pivotally mounted arms attached on both sides of said fixed arms, braces pivotally attached to said pivotally mounted arms and having means to hold said pivotally mounted arms at right angles to said fixed arms, said support, fixed arms, pivotally mounted arms and braces having their center lines in the same plane when folded so that all of these parts fold flat and by pivoting said support on said clevis pivot the entire rack will fold substantially flat.

2,481,798
ROTARY WEED CUTTER
Ralph Turner and Lloyd Howell, Cornell, Ill.
Application March 5, 1948, Serial No. 13,298
2 Claims. (Cl. 56—25.4)



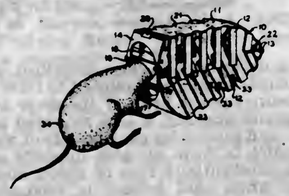
1. The combination with a tractor having a power take-off thereon, a stationary beam secured to a side member of the tractor, a laterally extending arm rigidly secured to the rear end of said beam, an upstanding lug formed on the free end of the arm and having an aperture therethrough, a bearing block secured to the forward end of the beam and having a laterally extending bore therethrough and threaded aperture therein intersecting said bore, a set-screw threaded into the threaded bore of the bearing block, a short beam slidably extending through the bore in the bearing block and secured in adjusted relation thereto by said set-screw, a substantially triangular frame hingedly connected rearwardly to the aforesaid lug and forwardly to said short beam, means removably securing the frame to the lug and short beam, an elongated bearing secured to the outer end of the frame, a second elongated bearing spaced below said first mentioned bearing in perpendicular alignment therewith, brace straps connecting the last mentioned bearing to the frame, a rotatable shaft mounted in said bearings, a cutter-head formed on the lower end of the shaft, a cutting blade removably attached to the cutter-head for rotation in approximate horizontal planes, a guard secured to the strap braces and extending over the cutting blade in spaced relation therefrom, a standard rigidly secured to the forward portion of the stationary beam, a pulley secured to the triangular frame outwardly of the forwardly hinged point thereof, an adjustable lever mounted on the tractor in reach of the operator thereof, a pulley secured to the upper end of the aforesaid standard, a cable trained over the last mentioned pulleys and having one end thereof secured to said standard and its opposite end secured to a lever, an endless belt trained over the take-off of the tractor and cutting blade rotating pulleys, a brace beam connecting the members of the frame, and adjustable pulleys mounted on the brace beam engaging the endless belt to tighten it.

2,481,799
AIRCRAFT WITH BEATING WINGS AND TILTABLE PROPELLERS
George A. Tuttle, Anatone, Wash.
Application June 5, 1946, Serial No. 674,524
8 Claims. (Cl. 244—22)



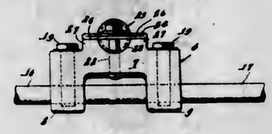
1. An aircraft comprising fuselages spaced transversely from each other, upper and lower frames between the fuselages mounted for vertical movement towards and away from each other, vanes extending transversely of said frames and pivotally mounted for vertical swinging movement from a vertical position to a horizontal position in which adjoining vanes close the frames and prevent movement of air vertically through the same, propellers at front ends of the fuselages, propellers between the rear end portions of the fuselages mounted for angular adjustment, propellers at outer sides of the fuselages spaced from each other longitudinally thereof and mounted for angular adjustment, and means for driving the propellers.

2,481,800
TRAP
John Duke Tyler, Nashville, Tenn., assignor to The Better Mouse Trap Company, Nashville, Tenn., a corporation of Tennessee
Application August 21, 1946, Serial No. 691,918
5 Claims. (Cl. 43—85)



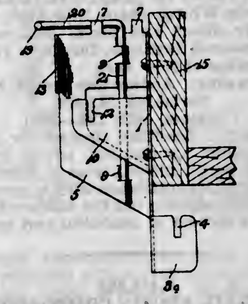
1. A trap comprising a substantially U-shaped, resilient body having two legs each with a series of spaced side bars extending toward the other leg and providing a cage-like structure, relatively movable jaws carried by said body, means for limiting the outward movement of said jaws, a trigger member, means on said trigger member constructed and arranged to engage a portion of said body to hold the trap in set position, said side bars of one leg being of a length to overlap the adjacent side bars of the opposite leg and limit the movement of said legs toward each other.

2,481,801
ANTENNA ARRAY
Charles F. Valach, Berwyn, Ill., assignor to American Phenolic Corporation, Chicago, Ill., a corporation of Illinois
Application December 8, 1945, Serial No. 633,732
3 Claims. (Cl. 250—33)



1. An insulator mounting for rod-like antenna elements comprising a body portion having a pair of walls extending outwardly in spaced relation from the front face thereof, each of said walls being formed with a pair of apertures to receive rod-like antenna elements, and bolt receiving apertures formed in the rear face of the body portion to intersect each of said antenna receiving apertures.

2,481,802
CURTAIN AND SHADE ROD HOLDER
Bert M. Watkins, Muskegon, Mich., assignor to Muskegon Metal Products Corporation, Muskegon, Mich., a corporation of Michigan
Application April 5, 1948, Serial No. 18,895
4 Claims. (Cl. 248——252)

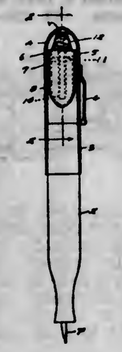


1. A bracket structure for the purposes described comprising, a back, an end member extending at one edge of the back at right angles thereto, an arm integral with the back and separated from said end, extending from said back at right angles in the same direction as said end, and a second end member of less height than the first end member extending from the opposite edge of the back and at its lower portion at right angles thereto, said arm and said second end member each having a vertically disposed slot therein from their upper edges downwardly for a distance less than the vertical dimensions of said arm and second end member.

2,481,803
APPLICATOR FOR INK ERADICATORS
Dorothy E. Weaver, Baltimore, Md.
Application April 25, 1945, Serial No. 590,155
2 Claims. (Cl. 120—36)

1. In an applicator for ink eradicator, an ink eradicator fluid holding well adapted to be

mounted in a detachable fountain pen cap, conduit means, open at both ends, having one end immersed in a fluid contained in the well, said well having an open end provided with a closure



through which the opposite end of the conduit means extends, a sponge secured to the closure and into which the outer end of the conduit means opens, and means for emptying and filling the well.

2,481,804
PENICILLIN-PECTIN COMPOSITION AND METHOD OF MANUFACTURE
Barron Silvin Whittingham, New York, N. Y., assignor, by direct and mesne assignments, to Biotic Research Institute, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 4, 1944, Serial No. 543,491
7 Claims. (Cl. 260—302)

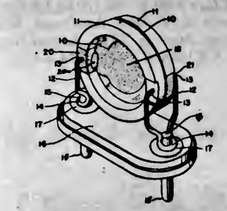
4. The herein described process for making a stable penicillin composition, which consists in preparing a pectic substance as a stabilizer, and mixing said pectic substance with a penicillin filtrate, and precipitating out the solids with alcohol to produce a powder of penicillin and pectic substance.

2,481,805
PENICILLIN-PECTIN COMPOSITIONS
Barron Silvin Whittingham, New York, N. Y., assignor, by direct and mesne assignments, to Biotic Research Institute, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 19, 1945, Serial No. 583,644
7 Claims. (Cl. 260—302)

1. An anti-biotic composition for oral or topical administration composed of a salt of penicillin and a stabilizing agent containing mono-, di- or tetra-galacturonic acids as prepared from pectin by hydrolysis.

2,481,806
PIEZOELECTRIC CRYSTAL HOLDER
John M. Welfskill, Erie, Pa.
Application August 7, 1947, Serial No. 767,149
32 Claims. (Cl. 171—327)

1. A piezoelectric crystal apparatus assembly for extremely thin piezoelectric crystal blanks comprising a piezoelectric crystal blank having a thickness between 0.01 inch and 0.001 inch, means for reinforcing said crystal blank without substantially impairing the operation thereof and

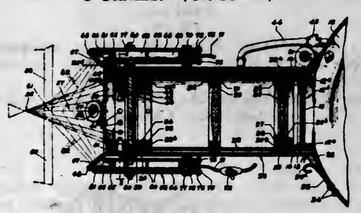


means for connecting said crystal blank to an electrical circuit.

2,481,807
METHOD OF PRODUCING MONOFLUOROPHOSPHATES
Carl O. Anderson, Tulsa, Okla., assignor to Ozark-Mahoning Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application November 28, 1947, Serial No. 788,675
9 Claims. (Cl. 23—50)

1. The method of producing the substantially pure monofluorophosphate of an alkali metal of the group consisting of sodium and potassium which comprises subjecting mixed stoichiometeric proportions of the metaphosphate and the fluoride of the metal to substantial fusion and maintaining the mass at about fusion temperature until the reaction has proceeded substantially to completion while excluding moist atmosphere from the mass and confining vapors in the containing vessel.

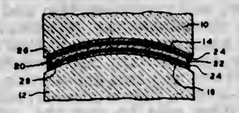
2,481,808
VIEWING AND ILLUMINATING DEVICE FOR DIVERS' HELMETS
Andrew Barna, South Chicago, Ill.
Application December 15, 1944, Serial No. 568,380
3 Claims. (Cl. 88—1)



1. In a device of the class described, a diver's helmet constructed and mounted to form a water tight closure for the head of the diver and having an outlet opening, a lens mounted over said opening, and means for causing jets of water under pressure to form an area opposite said lens which is substantially free of vision obstructing elements when said helmet is submerged and welding operations are carried on in said space.

2,481,809
PROCESS FOR FORMING OPTICALLY SMOOTH, SCRATCH-RESISTANT THERMOSETTING RESIN COATINGS ON SHEETS OR FILMS OF SOFTER ORGANIC PLASTIC MATERIALS
Arthur Barnes, Waltham, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 11, 1947, Serial No. 779,272
6 Claims. (Cl. 18—60)

1. In the process of forming a scratch-resistant, optically smooth coating on the surface of transparent organic plastic material, the steps comprising polymerizing a thin coating of a resin from the class consisting of melamine formaldehyde, urea formaldehyde, and mixtures thereof on the surface of said plastic to form a scratch-resistant coating thereon, after the completion of said polymerization heating said coated plastic to a temperature below the softening point of said coating and at which the coating remains hard



and the said organic plastic is softened, applying such pressure to said coated plastic while it is at said temperature and with an optically smooth molding surface in contact with said coating as to mold said plastic and the hard coating thereon to the shape and surface smoothness of said molding surface, cooling said coated plastic in the mold to a temperature below the softening point of said organic plastic and removing said cooled plastic from the mold.

2,481,810
IMPROVING CUT GROWTH RESISTANCE OF BUTADIENE-VINYL PYRIDINE RUBBERY COPOLYMERS
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1948, Serial No. 18,497
9 Claims. (Cl. 260—79.5)

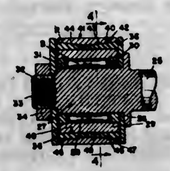
1. As a new composition of matter, cured butadiene-vinyl pyridine rubbery copolymer the cut growth resistance of which is substantially enhanced by curing in the presence of from 1 to 6% by weight based on the weight of said copolymer of an aromatic sulfonic acid admixed therewith.

2,481,811
IMPROVING CUT GROWTH RESISTANCE OF BUTADIENE-VINYL PYRIDINE RUBBERY COPOLYMERS
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1948, Serial No. 18,499
9 Claims. (Cl. 260—79.5)

1. As a new composition of matter, cured butadiene-vinyl pyridine rubbery copolymer the cut growth resistance of which is substantially enhanced by curing in the presence of from 1 to 6% by weight based on the weight of said copolymer of a halogenated lower fatty acid in admixture therewith.

2,481,812
PICKING MECHANISM FOR LOOMS
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 7, 1948, Serial No. 53,329
6 Claims. (Cl. 139—147)

1. In picking mechanism for a loom having a picking cam and a picking shaft provided with an arm, a bearing shell surrounding part of the arm, bearing rollers between the shell and arm, a picking shell surrounding the bearing shell having an inner surface formed with conical areas inclined toward each other and toward the arm, inherently resilient soft elastic sleeves between



said shells having inner surfaces engaging the bearing shell and having conical outer surfaces engaging the conical surfaces of the picking shell, and spaced disks on the arm between which the shells and sleeves are located.

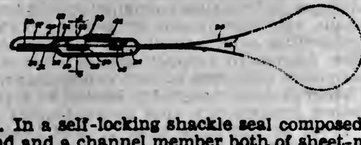
2,481,813
SPRAY PAINTING APPARATUS
James A. Bede, Cleveland, Ohio
Application July 25, 1947, Serial No. 763,488
1 Claim. (Cl. 91—44)



A coating apparatus comprising a pressure chamber provided with a removable cover, means to lock said cover in sealing relationship with said chamber, an open can disposed within and at the bottom of said chamber, said can containing liquid coating material, a portable tank containing fluid heat conducting material, heating means comprising an electric immersion heater centrally located within said tank, a vertically disposed helical tube surrounding said heating means, said tube having its top and bottom ends projecting exteriorly of said tank, a temperature responsive control element for said heating means immersed in such conducting material whereby such material is heated to a predetermined temperature, said element being located closer to said tube than to said heating means whereby to be primarily responsive to the temperature of the conducting material adjacent said tube rather than to the temperature of the conducting material adjacent said heating means, a spray gun connected to the top end of said tube, a conduit through the cover of said chamber having its upper end connected by tubular means to the bottom end of said tube and the lower end disposed within and closely adjacent the bottom of said can, and pressure applying means attached to said chamber for forcing coating material from said can through said conduit

and tubular means and then upwardly through said tube and out of said spray gun, whereby unheated paint flows upwardly to and through the heating coil and upon release of pressure in said chamber paint siphons back through said coil to facilitate cleaning thereof.

2,481,814
CONNECTING SLEEVE FOR DYNAMITE CARTRIDGES
George A. Brecker, Pottsville, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 2, 1941, Serial No. 372,880
2 Claims. (Cl. 102—24)

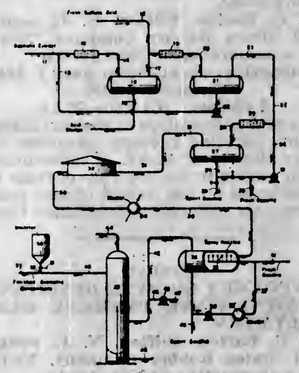


1. An explosive device comprising a plurality of elongated explosive cartridges of substantially equal length disposed coaxially in a continuous end to end abutting relationship, said cartridges having paper-like outer wrappings, and a plurality of tubular connecting sleeves formed of readily combustible, paper-like material surrounding the end portions of adjacent cartridges and extending across the joints therebetween, said sleeves being of such diameter as to frictionally retain the cartridges in a continuous series in abutting and explosion propagating relation, the wall thickness of said sleeves being such as not to add appreciably to the overall diameter of the charge and the material of said sleeves being flexible to permit collapsing thereof by the fingers when not in use but having sufficient stiffness and resilience to enable the same to be readily opened up from a collapsed condition by the simple applicaton of pressure by the fingers to the edges thereof.

2,481,815
SHACKLE SEAL
Winfred M. Brooks, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J, a corporation of New Jersey
Application March 16, 1948, Serial No 13,990
3 Claims. (Cl. 292—317)

1. In a self-locking shackle seal composed of a band and a channel member both of sheet-material, said band having a head at one end for the reception of the other and free end of said band when said band is doubled back on itself; said band comprising, in the order named, an end-section, a head-section, a main-section, and a reverse-section that is narrower than the band; said end-section lying folded back longitudinally over said head-section and having longitudinally extending marginal depressions that engage longitudinal marginal portions of said head-section to form a head which is narrower than said band and which is provided with an opening for the reception of said reverse-section; said marginal depressions extending longitudinally beyond said opening in said head and connected by a transversely extending lip, forming a part of said end-section, located in front of said opening of said head; said channel member embracing said head-section and having marginal flanges that overlie said marginal depressions of said end-section and secure said marginal depressions of said end-section and said marginal portions of said head-section together; said reverse-section and head-section having complementary interlocking means that engage when said reverse-section is inserted over said lip and through said opening between said head-section and said end-section, that part of said main-section that is adjacent said reverse-section overlying said lip and the ends of said marginal flanges of said channel member.

2,481,816
METHOD OF FINISHING AROMATIC CONCENTRATES
John G. Browder, Houston, Robert M. Love, Baytown, Henry G. Schutze, Goose Creek, and Richard E. Tannich, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application April 10, 1947, Serial No. 740,564
2 Claims. (Cl. 196—38)



1. A process for the treatment of a hydrocarbon oil comprising a major portion of aromatics and a minor portion of olefins including the steps of admixing said oil with concentrated sulfuric acid at approximately atmospheric temperature to form an acid sludge and separating the acid sludge therefrom, subsequently admixing said oil with caustic soda solution of 18° to 200 Bé. at approximately atmospheric temperature and separating said oil from said caustic soda solution, heating the oil to a temperature in the range of 300° to 325° F., intimately contacting said oil with caustic soda solution of 18° to 24° Bé. for less than ten minutes and subsequently separating the hot caustic soda solution from the oil with a total contacting and separating time of not less than one hour at 300° F., adding to said separated oil an alkali metal salt of petroleum naphthenic acids, distilling said mixture at a temperature no higher than 525° F., removing an aromatic concentrate as a side stream from said distillation, and inhibiting said aromatic concentrate.

2,481,817
AUXILIARY SUSPENSION ASSEMBLY FOR VEHICLES
Leon H. Bradley, Independence, and James T. Jennings, Jr., Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application September 28, 1944, Serial No. 556,157
3 Claims. (Cl. 267—15)



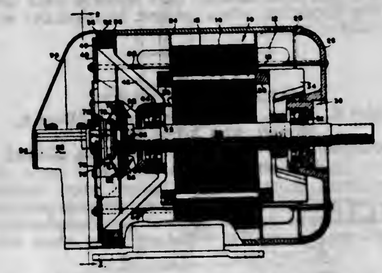
1. A spring suspension for motor vehicle bodies including a body with a frame and axle construction, a spring mounted on the axle adapted to resiliently support the loaded body, an auxiliary resilient mounting coacting with said spring to resiliently support the body in unloaded condition, said auxiliary mounting comprising a bracket slidably connected to said spring, a torque arm attached to the bracket, concentric surfaces operably connected respectively to the frame and the torque arm, said surfaces bonded together with a web of flexible nonmetallic material, and a seat against which the bracket is adapted to bear when the nonmetallic material is in flexed condition due to the total load exceeding the weight of the unloaded body, said seat adapted to transfer the load to the spring through said slidable connection between the bracket and spring.

2,481,818
STRETCHABLE REINFORCED DIAGONAL FOUNDATION GARMENT
Caroline Brown, New York, N. Y.
Application November 20, 1945, Serial No. 629,795
2 Claims. (Cl. 2—30)



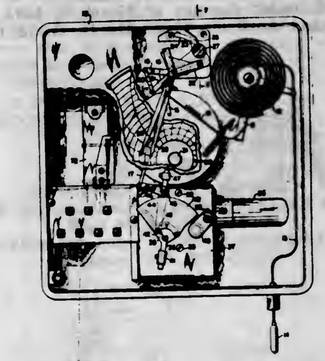
1. A foundation garment of the character described, the main body of which is made from material woven on the diagonal of elastic strands, said material having a series of squares and rectangles of greater and lesser stretchability and so positioned in said foundation garment that portions of the material of least stretchability cover the abdominal region and the sacral region providing opposed diagonal pressure upon said regions, portions of said material of greater stretchability than said first named portions cover the hips and sides of the body, and a portion of said material of greatest stretchability than said first two named portions covers the lower abdominal region and upper thighs at the center front.

2,481,819
MOTOR CONSTRUCTION
Steffen A. Brown, Dayton, Ohio
Application November 30, 1945, Serial No. 632,018
5 Claims. (Cl. 172—36)



1. In an electric motor or generator; a stator; a rotor having shaft means extending therefrom; a frame supporting said stator and extending beyond both ends thereof; first and second end members telescoping said frame and secured thereto and having hubs that extend inwardly to journal said shaft means closely adjacent said rotor, one of said end members having an outer peripheral portion that engages said frame and a plurality of legs that connect said peripheral portion with its hub to form a conical recess for receiving switches and other operating auxiliaries, said one end member comprising a lug for connecting power lines to the motor and a cover secured about said peripheral portion and enclosing said recess.

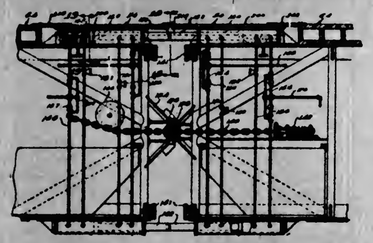
2,481,820
CONTROL INSTRUMENT
Edwin C. Burdick, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 22, 1944, Serial No. 541,510
7 Claims. (Cl. 236—74)



1. In a control instrument, the combination with a member deflecting in accordance with changes in the value of a controlling quantity, control mechanism actuated by the deflection of said member to produce a control effect when said quantity attains a predetermined value, control point adjusting means including an element angularly adjustable about an axis and varying said predetermined value by its angular adjustment, said element including a por-

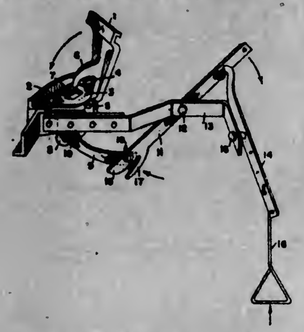
tion having a knurled concave edge extending circularly about said axis, and an adjusting part rotatable about a second axis parallel to the first mentioned axis and having a knurled surface surrounding said second axis and biased to engage and press against said concave edge and thereby operating, when rotated, to angularly adjust said element.

2,481,821
MARINE STRUCTURE
John E. Byrne, Dallas, Tex., and William S. Housel, Ann Arbor, Mich.
Application March 20, 1946, Serial No. 655,842
14 Claims. (Cl. 114—42.5)



1. An articulated floating structure comprising a pair of float elements, coupling means for said elements preventing separation thereof but permitting pivotal movement therebetween, yieldable damper means interconnecting said elements at points spaced from said coupling means to yieldably oppose and control such pivotal movement, and means for locking said damper means to prevent pivotal movement between said elements.

2,481,822
OVERHEAD TRACK SWITCH OPERATING LEVER
John A. Carlsen, Winona, Minn.
Application July 19, 1946, Serial No. 684,912
7 Claims. (Cl. 74—469)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An overhead track switch operating apparatus for moving a track section into and away from track connecting position, comprising a pivotally mounted arm, operably connected to the track section to move it as aforesaid; a bar rigidly attached to said arm at an angle thereto at a point removed from the pivot of the latter, said bar having a concave surface directed toward the upper surface of the arm, and a convex surface opposite the concave surface; a lever mounted upon a fixed pivot and operably connected to rotate said arm and bar about the pivot of the arm; means for moving the said lever about its pivot, said lever having a bifurcated end providing a lower finger and an upper portion having an outwardly convex end surface; a member mounted on said upper portion, said member having means that bears upwardly against and slides along the convex surface of the arm during upward movement of the bifurcated end and which bears downwardly against and slides along the concave surface of the arm during downward movement of the bifurcated end; a stud attached to the bar and arm unit at or adjacent to the juncture of the bar and arm, said lever, arm, and bar being so positioned that the lower finger bears upwardly against the stud when the bifurcated lever end is moved upwardly, and being so positioned that, upon downward movement of the said bifurcated lever end, the convex end surface thereof rides on the stud pushing it downwardly until a point is reached at which the stud and bifurcated end are no longer in contact, whereupon the said means bears upon and slides upon the concave surface of the bar, forcing the latter downwardly to complete the movement of the arm, said means bearing upwardly against the convex surface of the bar in the initial part of the upward movement of said bifurcated end.

2,481,823
AUTOMOTIVE VEHICLE ANTENNA
Joseph Benjamin Cejka, Highland Park, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application May 25, 1948, Serial No. 29,065
13 Claims (Cl. 250—33)



13. An automotive vehicle antenna for mounting in a hole in the vehicle body comprising a plurality of telescopic sections made up of a basic section, a top section and at least one intermediate section, a tubular member for housing the basic section, means for insulating said basic section from said housing member, a unitary structure for supporting the antenna including, an insulator, a metallic sleeve carried within the interior of the insulator, a metallic member carried on the exterior of the insulator and having a conically shaped end to fit into said hole, insulating sealing means for fitting over the hole and protruding end of said metallic member and means carried by the upper end of said sleeve for holding said sealing means and the antenna to the vehicle body.

2,481,824
DEHYDROGENATION OF HYDROCARBON OIL AND CATALYST THEREFOR
William H. Claussen and Homer B. Wellman, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 4, 1944, Serial No. 557,236
2 Claims. (Cl. 196—78)

1. In the process of producing dehydrogenation catalyst pellets from a catalytic material comprising predominantly coprecipitated alumina and molybdenum oxide, the improvement which comprises mixing a minor proportion of graphite between about 1 to 10% by weight with the catalyst material prior to pelleting, calcining the resulting pellets by heating for about 3 hours to reach a temperature of about 1100° F. followed by about 2 hours at about 1100° F., thus removing volatile constituents but leaving graphite present in the catalyst as employed in said dehydrogenation.

2,481,825
PRODUCTION OF SYNTHETIC GELS
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 9, 1943, Serial No. 494,011
1 Claim. (Cl. 252—317)

In a process for the manufacture of synthetic, inorganic gels comprising silica wherein variations in the density of the gel products result from inadequate process controls, the method of compensating for said variations and thereby producing a product of more uniform density which comprises forming a silica hydrogel, washing the hydrogel with an aqueous medium having a constant pH value in the neutral to slightly alkaline range, thereafter washing the hydrogel with an aqueous medium having a constant acid pH value, maintaining the total length of the two washing treatments constant and varying the lengths of the individual washing treatments to compensate for said variations.

2,481,826
PROCESS FOR MAKING ALIPHATIC NITRILES
John N. Cosby, Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 28, 1947, Serial No. 731,726
13 Claims. (Cl. 260—465.3)

1. The method of making an aliphatic nitrile, which comprises reacting an olefin with a mixture containing oxygen and about 1 to 10 mols of ammonia per mol of olefin, at a temperature between 400° C. and 600° C.

2,481,827
ELECTRODE TERMINAL CONNECTIONS FOR THE ELECTROLYSIS OF SEAPORT AND RELATED WATERS
George Chandler Cox, Charleston, W. Va.
Original application August 14, 1941, Serial No. 406,900. Divided and this application March 24, 1944, Serial No. 527,986
4 Claims. (Cl. 204—288)

1. An anode for electrolytic apparatus comprising an annular electrically conductive plate, an insulated lead-in cable extending through the central hole of the annular plate and electrically and mechanically connected to the under side of the plate, and a plurality of elongated electrodes secured intermediate their ends to the annular

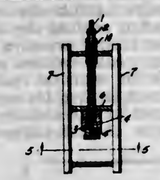


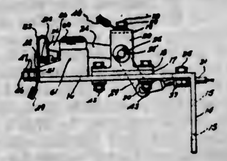
plate around the periphery thereof, each said electrode being equally spaced from proximal electrodes and extending transversely of the plate, whereby to screen the connection of the cable to the plate from excessive electrolytic current.

2,481,828
NUT LOCK
Arthur Henry Devlyn, Lithgow, New South Wales, Australia, assignor of one-fourth to Charles Aynan Pevitt, Lithgow, New South Wales, Australia
Application May 9, 1946, Serial No. 668,554
In Australia May 23, 1945
1 Claim. (Cl. 151—25)



An improved nut lock having a V-shaped tapered slot formed in the upper face of the nut at one of its diagonal corners during the stamping or forming operation, one of the faces of said slot being perpendicular to the axis of the nut, the other face of the said slot being disposed at an angle to the first mentioned face, a hole formed in the nut to extend inwardly thereof to produce a socket, a key in said socket, said hole being disposed medially of and intersecting the said first mentioned face, a fin secured in the said slot, said key having a stem with a flat face formed thereon engaging the side of said fin, the lower end of the stem being seated in the said socket and having a hooked portion for engaging the bottom of said fin, said fin together with the key being held in position by a cover plate secured in the said stamped recess.

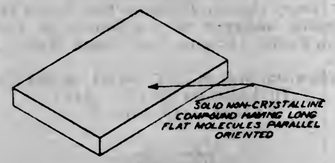
2,481,829
ELECTRIC KNIFE SWITCH
John E. Digman, Takoma Park, and Carl S. Davis, West Hyattsville, Md.
Application November 7, 1947, Serial No. 784,610
2 Claims. (Cl. 200—162)



1. In combination with a pair of stationary side contacts and a stationary U-shaped spring leaf end contact provided with a curved recess in the free extremity thereof, a pivotal switch blade movable into and out of engagement with said

stationary contacts, an arcuate extremity on said blade adapted to be seated in the recess in the end contact when the switch is in closed position, spring means carried by the end contact for exerting axial pressure against the switch blade, spring means carried by each of the side contacts for exerting opposed lateral pressure against the switch blade, spring means carried on the pivot of the switch blade for exerting radial pressure against said blade, and an arm for actuating said switch rigidly secured to the switch blade pivot and having a remote control connected therewith.

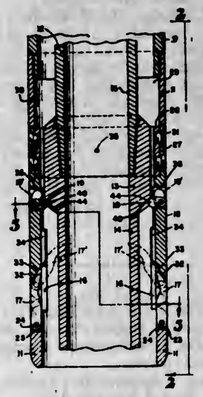
2,481,830
OPTICALLY POLARIZING DICHROIC FILM AND METHOD OF PREPARING THE SAME
John F. Dreyer, Springfield, Ohio, assignor to The General Polarizing Company, Cincinnati, Ohio, a corporation of Ohio
Application May 14, 1946, Serial No. 669,697
21 Claims. (Cl. 88—65)



1. The method of preparing a solid dichroic polarizing film which comprises forming an intermediate dichroic film wherein the molecules are oriented in parallel with other adjacent molecules, said intermediate film being a solid which is itself unsuitable as a permanent polarizer but is convertible into a permanent dichroic material which has polarizing properties and which is stable on exposure to light and air, and after the orientation is completed, treating said finally-oriented intermediate with a non-solvent of said intermediate and of said dichroic material which will chemically convert said oriented intermediate in situ, and at a temperature below the melting points of both said intermediate and said dichroic material, without further orientation into a permanent dichroic film while still in the solid state and while said final orientation remains unaffected.

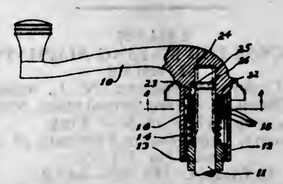
2,481,831
OUTSIDE CUTTER
Welden C. Erwin, South Gate, Calif.
Application April 24, 1948, Serial No. 23,100
8 Claims. (Cl. 164—0.7)

1. In an outside pipe cutting device adapted to be lowered around a pipe having downwardly faced shoulders or collars, the combination of: a cylindric wall having a plurality of chambers open to the interior of the cylindric wall; a cutter blade hinged in the lower part of each of said chambers so as to be swingable inwardly to engage a pipe; a cutter feed block supported in the upper part of each of said chambers so as to be moved up and down with relation to the cutter blade in the chamber, said feed blocks and said blades having cooperating faces whereby downward movement of said blocks will produce inward movement of the cutter blades to cut the pipe; an annular member connecting said blocks together so that they will move in unison; pipe engaging dogs respectively supported by said blocks so as to move from inwardly projecting positions upwardly and outwardly to positions wherein they will clear the collars on the pipe as the device is moved downwardly around the pipe, said dogs being adapted to engage shoulders on the pipe when the device is moved upwardly, thereby holding the blocks stationary while upward movement of the cylindric wall carries said blades



upwardly with relation to said blocks, whereby the blades will be swung inwardly against the pipe to be cut; and releasable means cooperating between the blocks and the cylindric wall to restrain them from relative movement while the device is being lowered.

2,481,832
DOOR HANDLE ASSEMBLY
Burton S. Floraday, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application September 6, 1945, Serial No. 614,632
1 Claim. (Cl. 64—30)



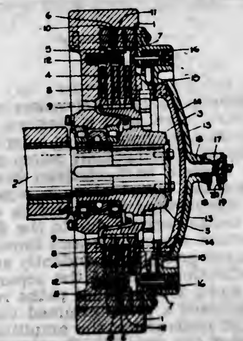
A vehicle window regulator handle comprising a crank arm, a hub integral with the base of the crank arm and extending at substantially right angles therefrom, an elongate sleeve on said hub forming a socket, said hub having an axially disposed socket, a spindle co-axial with said sleeve and fitting said socket, means for holding said spindle in said socket but enabling relative turning movements thereof, a plurality of disc-like plates on said spindle and disposed within said sleeve and keyed alternatively to the sleeve and spindle, discs of friction material interposed between said plates, a collar in screw-threaded engagement with the inside of said sleeve adjacent the outer end thereof and serving as a bearing for said spindle, and a coil spring bearing respectively against said collar and the adjacent one of said disc-like plates.

2,481,833
IRONING BOARD PAD
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 31, 1946, Serial No. 673,311
1 Claim. (Cl. 38—140)



An ironing board pad shaped to fit an ironing board and which is well adapted to withstand the heat of the iron, comprising a layer of water-absorbing padding material capable of supporting the ironing pressure and of providing a firm even surface under such pressure, a flat water-tight bag containing said material and adapted to confine enough water to keep said material saturated during the use of the pad for ironing purposes, closable filling spout means secured to the bag for supplying water thereto, and anchoring projections along the sides of the pad for anchoring it in place upon an ironing board.

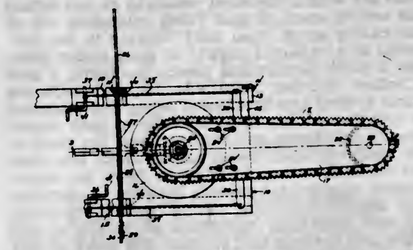
2,481,834
AXIALLY ENGAGING MULTIPLE DISK CLUTCH
John Foster, Denton, England, assignor to B. & S. Massey Limited, Openshaw, Manchester, England
Application February 10, 1948, Serial No. 7,327
In Great Britain February 11, 1947
4 Claims. (Cl. 192—69)



1. A friction clutch including a rotatable driving clutch element freely mounted on a rotor to be driven and presenting splines, a driven clutch element splined on said rotor, at least one driving plate formed with external splines engaging the splines presented by said driving clutch element and having an external annular conical seating, at least one driven plate adapted to be moved against said driving plate and having splines engaging said driven clutch element, said driving clutch element being provided with at least one internal conical seating registering with the external conical seating on said driving plate, and thus supporting said driving plate.

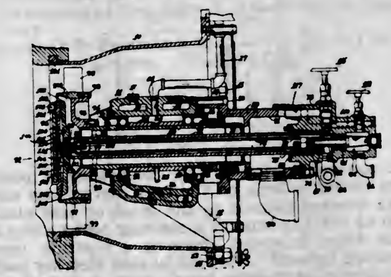
2,481,835
POWER CHAIN SAW
Aubra L. Gannon, Alameda, Calif.
Application February 7, 1945, Serial No. 576,601
1 Claim. (Cl. 143—32)

In a portable chain saw rig, a platform, a pair of side beams secured to said platform, uprights projecting from one of said side beams, a head pivotally connected to said uprights, a turntable swingably supported by said head, an elongated carriage adjustably secured to said turntable and projecting beyond the latter, an idler sprocket arranged adjacent one end of said carriage and rotatably supported by the latter, a rotatable power sprocket arranged contiguous to the other end of said carriage, and endless chain saw trained over said power sprocket and idler sprocket, a driven arbor rotatably supported by said head and connected to said power sprocket, a



driving shaft rotatably supported by said head, gear means connecting said driving shaft to said arbor for rotating the latter, a windlass supported by each of said side beams, a pair of opposed arms projecting from said turntable and secured thereto, operating cables extending between said windlasses and said arms, a segment shaped keeper rack provided with a plurality of spaced notches secured to said platform, and a manually controlled latching device secured to said head for selective engagement with the notches in said keeper rack.

2,481,836
ROTARY FUEL BURNER WITH A DISK TYPE FUEL-DISTRIBUTING MEANS
Carl W. Gibson, Worcester, Mass., assignor to Coppus Engineering Corporation, Worcester, Mass., a corporation of Massachusetts
Application June 19, 1946, Serial No. 677,829
18 Claims. (Cl. 158—11)



1. In a fluid burner of the type described having a cylindrical casing adapted to be connected to a furnace, a conduit connected to a source of fluid under pressure and extending into said casing, and means to force an air blast axially of said casing toward said furnace; the improvement which consists in the provision of a fluid-distributing means for atomizing and discharging said fluid into said air blast, said fluid-distributing means comprising a cylindrical member disposed coaxially of and within said casing, said member having a diameter substantially less than that of said casing, thereby to force said air

blast to flow in an annular pattern, a shaft mounted for rotation coaxially of said member, a plurality of nozzles carried by said member and disposed entirely behind the leeward side of said member, each of said nozzles forming an acute angle with the leeward side of said member so that the fluid issuing therefrom under pressure will produce by reaction the rotation of said shaft.

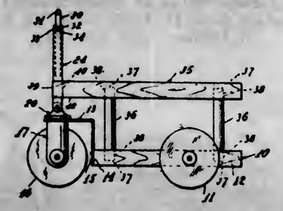
18. In a fluid burner of the type described having a cylindrical casing adapted to be connected to a furnace, a pair of inner and outer tubes disposed one within the other coaxially of and within said casing, each of said tubes extending out of said casing away from said furnace to be connected to a separate supply of fluid under pressure, a fluid-distributing means including a pair of hollow circular manifolds disposed adjacent to and spaced axially of each other and mounted for rotation within and coaxially of said casing between said tubes and said furnace, the radii of said manifolds each being substantially less than that of said casing thereby to form an unobstructed annular air passage between the peripheries thereof and said casing, means rotatable with said manifolds for forcing air axially of said casing and towards said furnace, the outer of said tubes being in direct communication with that manifold remote from said furnace, and the inner of said tubes passing through the remote manifold to communicate directly with the remaining manifold, and two groups of fluid-discharging nozzles disposed at and carried by the leeward side of said manifolds, each nozzle group being in direct communication with a respective one of said manifolds, each nozzle being disposed substantially at an acute angle with the leeward side of said manifold so that the fluid issuing therefrom will by reaction rotate said manifolds.

2,481,837

CONVERTIBLE TOY VEHICLE AND THE LIKE

Frederick F. Giese, Pittsburgh, Pa.

Application January 13, 1947, Serial No. 721,680
1 Claim. (Cl. 280—7.10)



A convertible toy vehicle comprising a platform having wheels on the rear thereof; an angular bracket secured to the front of said platform to swivelly support a steering post having a guide wheel mounted thereon; a steering post extension hingedly attached to said steering post including a telescoping handle bar; a seat above said platform; said platform and said seat provided with a plurality of pairs of coincident cylindrical recesses, each pair adapted to removably receive an upright peg of uniform length; said seat provided at the front thereof with an aperture engaging said steering post extension; said aperture open at the front end of the seat; said open front end of less width than the diameter of said aperture and adapted to release the seat from its hold on the steering post extension upon moving the seat upwardly, along and past the top of said steering post extension and away from said handle bar.

2,481,838

PREPARATION OF SYNTHETIC RUBBER LATICES

George U. Glasgow, New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 21, 1948, Serial No. 22,500
6 Claims. (Cl. 260—8)

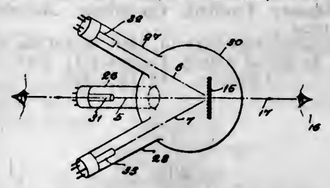
1. The improvement in the process for the preparation of synthetic rubber latex by the emulsion polymerization with a soap emulsifying agent of polymerizable monomers selected from the group consisting of butadienes-1,3 and mixtures of butadiene-1,3 with compounds which contain a single $CH_2{=}C<$ group and are copolymerizable with butadienes-1,3 which comprises carrying out the emulsion polymerization in the presence of .05 to .5 part by weight of acylated casein, the acyl groups being fatty acid acyl groups, per 100 parts of polymerizable monomers.

2,481,839

COLOR TELEVISION

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 5, 1944, Serial No. 548,238
29 Claims. (Cl. 178—5.4)



1. In a system of color television wherein a color responsive target area is scanned by a plurality of electron beams equal in number to the number selected of component colors in a color system and wherein each electron beam is directed toward the target along a separate angular path, the method of correcting distortion and lack of image registry due to the differently angularly located scanning beams impacting the target which comprises independently and simultaneously deflecting each of the separate electron beams along bidirectional paths relative to the target to trace a predetermined raster, and expanding and contracting the amplitude of the trace in at least one direction of scanning in the path traced by the plurality of independent electron beams relative to the target by adding amplitude components varying linearly with time so that the effect of orthogonality of scanning by all beams is established and related elements in each scanned raster are in registry and homologuously positioned.

2,481,840

TIMER FOR SWITCHING FROM SIGNALING DEVICE TO THE SUBSCRIBER'S RINGER AFTER SELECTABLE PREDETERMINED TIME

Everett J. Hardgrave, San Angelo, Tex., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application June 28, 1945, Serial No. 601,964
1 Claim. (Cl. 179—84)

In a telephone system, a subscriber's line equipped with an audible ringer and a timing mechanism, an arm in said mechanism having a normal position and a plurality of different time delay positions representing progressively greater time delay periods, said arm manually movable from its normal position to select any desired one of said time delay positions, timing means in said mechanism for automatically returning said arm to its normal position in response to the manual movement of said arm to a selected time delay position, said timing means requiring a time duration equal to the said selected time delay position to return said arm to its normal position, a circuit normally connecting said ringer across said line during the time said arm is in normal position and said circuit being opened in



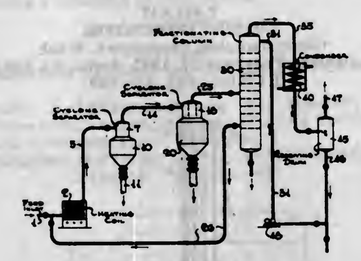
response to the movement of said arm from its normal position and for a duration of time corresponding to said selected time delay position to disconnect said ringer during the time said arm is returning to its normal position, a signalling device normally disconnected from said line, circuit means for operatively connecting said device to said line during the time said arm is out of its normal position, said device being operated in response to incoming signals to said line in case said arm is out of its normal position, and tone generating means operated by said device for transmitting a tone back over said line to the calling party.

2,481,841

METHOD OF PREPARING CATALYST PARTICLES HAVING NUCLEI OF PREVIOUSLY CALCINED FINES

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 2, 1945, Serial No. 626,426
8 Claims. (Cl. 252—454)



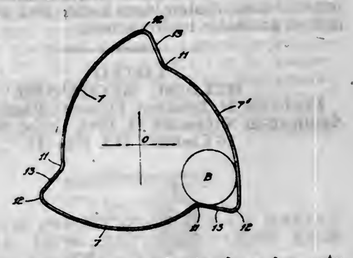
1. The method of preparing a catalyst for catalytic high temperature conversions in which a sub-divided catalyst is suspended in vapors during the catalytic treatment which comprises incorporating into fresh catalyst undergoing preparation prior to its sizing and shaping to the desired particle size, catalyst withdrawn from a catalytic cracking operation including a high temperature catalyst regeneration step, said withdrawn catalyst having a particle size substantially smaller than said desired size.

2,481,842

METALLIC CHURNS AND BUTTER KNEADERS HAVING NO KNEADING ROLLERS

Fernand Jean Joseph Julien Henrard, Remicourt, Belgium, assignor to Ecrémeuses Mélotte, Société Anonyme, Remicourt, Belgium, a Belgian company

Application July 14, 1945, Serial No. 605,083
In Belgium July 20, 1944
2 Claims. (Cl. 259—81)



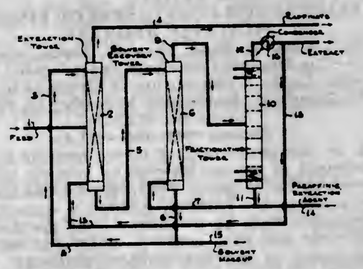
1. A metallic churn and butter kneader, rotatable about the horizontal axis thereof, said churn and butter kneader comprising a substantially closed container consisting of two parallel end walls and a connecting side wall extending therebetween, said connecting side wall being shaped to have three distinct parts thereof, each part being shaped to approximate, in part, the outline of a separate cycloidal curve, and the terminal portion of each of said cycloidal curves being connected to the start of the next adjacent curve by a plane metallic connecting member, so positioned as to form an acute angle with a line extending tangentially to said terminal portion of the cycloidal curve to which it is joined, said cycloidal curves and said plane metallic connecting members together constituting said connecting side wall of said churn and butter kneader.

2,481,843

EXTRACTION OF AROMATICS WITH ALUMINUM HALIDE-AROMATIC COMPLEXES

Philetus H. Holt, II, Summit, and Nicholas Menshih, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

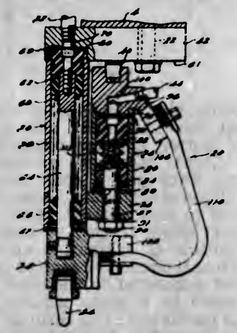
Application January 2, 1947, Serial No. 719,754
7 Claims. (Cl. 196—14.25)



1. A continuous process for extracting aromatic hydrocarbons from hydrocarbon mixtures of aromatic and non-aromatic hydrocarbons which comprises subjecting said mixtures to contact in an extraction zone with an aluminum halide-aromatic hydrocarbon complex containing two mols of aluminum halide and at least one mol of aromatic hydrocarbon, removing from the ex-

traction zone an aluminum halide-aromatic hydrocarbon complex of increased aromatic hydrocarbon content containing two mols of aluminum halide and up to six mols of aromatic hydrocarbon, passing the complex of increased aromatic content to a regeneration zone and decomposing the complex of increased aromatic content in the regeneration zone to recover aromatic hydrocarbons therefrom and regenerate the aluminum halide-aromatic hydrocarbon complex containing two mols of aluminum halide and at least one mol of aromatic hydrocarbon.

2,481,844
WELDING MECHANISM
Frederick H. Johnson, Pleasant Ridge, Mich.
Application November 18, 1946, Serial No. 710,437
15 Claims. (Cl. 219—4)



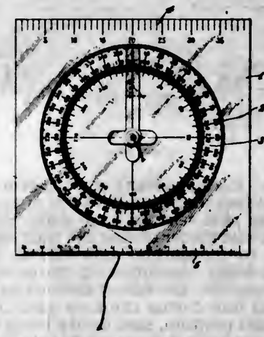
1. In a welding mechanism, the combination of an electrode positioning means operable to position an electrode in a work engaging and a retracted position, said positioning means being adapted to be supported upon the framework of a welder, an electrical conducting member positioned adjacent said positioning means, an electrical circuit controlling means carried by said positioning means as an integral part thereof, said controlling means being engageable with said conducting member to complete an electrical circuit, and a current conducting path for conducting current to the electrode from said circuit controlling means.

2,481,845
PROCESS FOR CONVERSION OF PINENE TO TERPIN HYDRATE
Robert Gardner King, Norwalk, Conn., assignor to King Organic Chemicals, Incorporated, Norwalk, Conn., a corporation of Connecticut
No Drawing. Application November 14, 1944, Serial No. 563,455
7 Claims. (Cl. 260—631.5)

5. In the production of terpin hydrate by the treatment of pinene with dilute sulfuric acid at temperatures of about 30° to 40° C., the step of including in the reaction mixture a quantity of mahogany acids up to about 5% of the amount of pinene and from 2 to 5% of toluene sulfonic acid based on the total aqueous material.

2,481,846
POSITION COMPUTER
Sidney S. King, Yellow Springs, Ohio
Application June 1, 1945, Serial No. 597,091
6 Claims. (Cl. 235—63)

1. A computer for determining the geographical position of an airplane from data indicated on aeronautical charts and on instruments carried by the airplane comprising, a base plate on which appear two compass roses concentrically positioned with respect to one another, the larger rose reading clockwise from 0 to 360° and the smaller rose reading clockwise from 0 to 360°, the two roses being registered in such manner that associated markings have a difference of 180°, a disc mounted concentrically with said compass roses for rotation on said base plate the diameter of said disc being equal to the diameter of the previously mentioned smaller compass rose, an extension of the periphery of said disc of sufficient length to increase the radius of the disc to equal the radius of the said larger com-



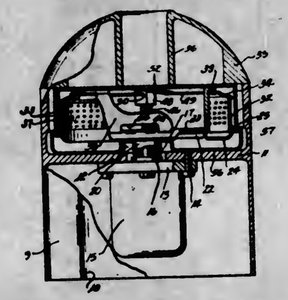
pass rose, a 360° compass rose with degree markings running to the periphery of the disc, said rose reading clockwise and the 0° mark being precisely in the center of the projection forming the extension of the disc, the marking lines of 0°, 90°, 180° and 270° radiating from the center of the disc to the perimeter, the 0° line being interrupted by the inclusion of a mark representing an airport, a pointer positioned on the disc, said pointer extending to the perimeter of the said disc and having an axial line running the length of the pointer, means to mount the disc and pointer for independent rotation on the base plate and a string extending through the said means.

2,481,847
GRADE INDICATOR
Glenn Langley, Davenport, Wash.
Application February 21, 1947, Serial No. 730,089
1 Claim. (Cl. 33—209)



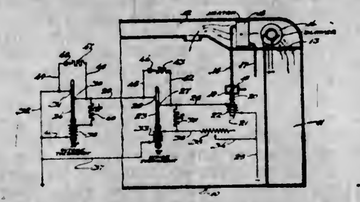
In a grade indicator of the type described, the combination with a housing having a base and top cap, a centrally arranged sight tube mounted in the base and cap and means for supplying a column of liquid for the tube, of a resilient screw bar having end journals and forming a rotatable gage rod located between the housing and the tube, a gage having a gage-ring slidably adjustable on the tube, and said gage having an offset lug provided with a threaded bore parallel with the tube for the gage rod, whereby the rod is laterally flexed and the gage is retained in frictional contact with the housing.

2,481,848
JUICE EXTRACTOR
Rudolph Lappa, Detroit, Mich.
Application October 25, 1946, Serial No. 705,511
6 Claims. (Cl. 146—76)



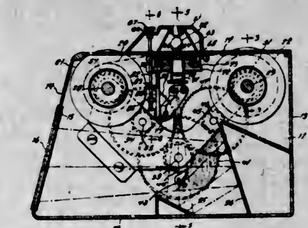
1. A machine of the class described, comprising: a housing; a receptacle mounted in said housing and adapted for rotation, said receptacle having a perforated wall; a cover for said housing; an inverted pan carried by said cover and adapted upon mounting of said cover on said housing for projecting inwardly of said housing and embracing, in spaced relation, said receptacle, the walls of said pan being imperforate; a chute formed on said cover and extending therethrough into said receptacle; a rotatable cutting element carried by said cover on the inner side thereof and adapted for rotation across said chute for cutting slices from materials projected through said chute for depositing the same in said receptacle; a shaft carried by said cover and projecting into and engaging with said receptacle and adapted upon rotation for rotating said receptacle and said cutting element; an electric motor; and the means driven by said motor for effecting a rotation of said shaft.

2,481,849
THERMOSTATICALLY CONTROLLED SPACE HEATER
Timothy J. Lehane, Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application September 3, 1943, Serial No. 501,081
5 Claims. (Cl. 236—91)



1. In combination with means for supplying heat to an enclosed space including an electrically energized device, means for controlling the energization of said device comprising a main electric circuit and a plurality of thermostats connected in series in said circuit and responsive to temperature changes at different locations, whereby all of the thermostats cooperate to close said main circuit and any one of the thermostats may operate directly to break said main circuit, an auxiliary electric heater for one of said thermostats, an energizing circuit therefore which is parallel to the main electric circuit, an impedance connection leading from the auxiliary heater to said electric circuit at a location intermediate the last mentioned thermostat and said electrically energized device, a second impedance connection in the main circuit for by-passing electric current around the other thermostat, whereby additional heating current flows through said auxiliary heater when said main electric circuit is opened at the said last mentioned thermostat.

2,481,850
MICROFILM PROJECTION VIEWER HAVING MANUAL LENS ADJUSTING AND FILM MOVING MEANS
Edmund F. Lindner, New York, N. Y.
Application December 5, 1946, Serial No. 714,243
4 Claims. (Cl. 88—24)

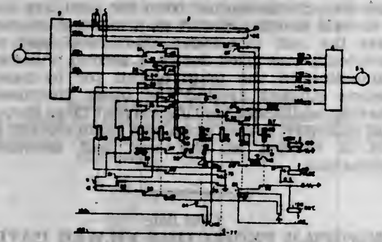


1. A projector for micro-film which has indicia printed thereon, said projector comprising a pair of reels upon which the film is carried and is adapted to be wound and unwound, a light source arranged to project a beam of light through the film, a viewing screen, a mirror arranged to reflect the image from the film to the screen, and a lens system arranged to move transversely of the film to project indicia in a selected area of the film upon the screen, a trackway disposed transversely of the film, a slide carrying the lens system and mounted for travel on said trackway, a toothed rack carried by said slide, a segmental gear mounted for pivotal movement and engaging the teeth of said rack, a manually movable lever carried by the gear, and releasable means for securing the lever in an adjusted fixed position.

2,481,851
SELECTOR SWITCH FOR AUTOMATIC TELEPHONES
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 5, 1946, Serial No. 695,011
8 Claims. (Cl. 179—18)

1. In a telephone system, a trunk line terminating in a two-motion automatic switch, means for seizing said switch over said line and operating same, a source of dial tone, a set of off normal springs and a set of cam springs in said switch, a cam relay in said switch having its operating circuit controlled by said cam springs, an off nor-

mal relay having its operating circuit controlled by said off normal springs, said cam relay operated responsive to seizure of said switch over said line to connect said source to said line, said off normal springs operated responsive to an initial movement of said switch to operate said off normal relay, means responsive to an operation



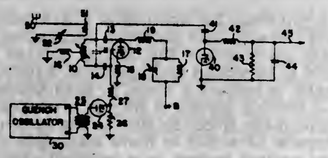
of said off normal relay to remove dial tone from said line prior to termination of the initial movement of the switch, a source of busy tone, and means for at times operating said cam springs to terminate the secondary movement of said switch and to connect said latter source to said line.

2,481,852

SUPERREGENERATIVE RECEIVER

Bernard D. Loughlin, Bayside, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application November 30, 1944, Serial No. 565,947
20 Claims. (Cl. 250—20)



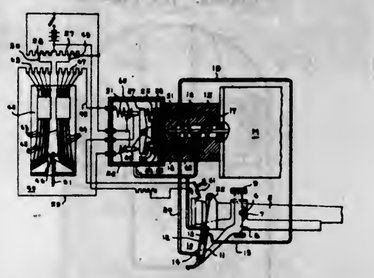
1. A superregenerative receiver comprising, resonant-circuit means determining the operating frequency of said receiver, vacuum-tube means coupled to said resonant-circuit means to constitute therewith a regenerative oscillatory circuit, means for controlling the conductance of said regenerative oscillatory circuit to have positive and negative values during alternate operating intervals and a conductance-time characteristic effective to provide superregenerative amplification of wave signals applied to said regenerative oscillatory circuit, and additional circuit means coupled to said regenerative oscillatory circuit and having parameters so selected as to apply to said regenerative oscillatory circuit effectively a periodic signal to provide damping of said regenerative oscillatory circuit but only during a selected fractional portion of said interval of positive conductance to increase the magnitude of said positive conductance during said fractional portion of said interval, said fractional portion being selected to terminate substantially before the end of said interval of positive conductance.

2,481,853

STABILIZING APPARATUS

Lawrence B. Lynn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application November 23, 1940, Serial No. 366,918, now Patent No. 2,381,161, dated August 7, 1945. Divided and this application September 11, 1944, Serial No. 553,521
4 Claims. (Cl. 60—52)



1. In apparatus for controlling a hydraulic motor so that the latter drives a pivotally-mounted body about its mounting axis in such manner as to stabilize the body by minimizing oscillatory disturbances of the latter with respect to such axis, said apparatus including a pair of passages respectively supplied with liquid from a pair of pressure-developing devices and supplying liquid to said motor; each of said passages having an escape port whose discharge end is formed as a valve seat; valves movable toward and away from the seats to vary the pressures in the passages; a balancing rocker fulcrumed at an intermediate point and having its ends connected to the valves so that opening liquid pressure forces act continuously on the latter and on the rocker with the moments of such forces about the fulcrum axis in opposed relation, whereby there is provided a positive stiffness effect adequate for stability of the apparatus; a pair of electro-magnets for applying controlling forces to the rocker with the moments of such forces about the fulcrum axis in opposed relation and with the differential of the moments of liquid pressure forces normally balancing the differential of the moments of controlling forces; and means for energizing said magnets so that change in the differential of moments of the controlling forces causes the rocker and the valves to move to change the differential of moments of the liquid pressure forces until the balanced relation of moments is re-established and so that the negative stiffness effect of the magnets is maintained sufficiently less than said positive stiffness effect for operation of the apparatus with adequate sensitivity; said last-named means comprising a pair of circuits with the windings of the electro-magnets included in the respective circuits, a resistor in each circuit, self-opening leaf spring contacts tapped along each resistor and arranged to be progressively engaged to shunt successive portions of the resistor and to be progressively disengaged to include such portions in circuit, said contacts being arranged as a pair of parallel groups, and an actuator interposed between the groups of contacts and movable away from mid position, in one direction, to progressively engage the contacts of one group and, in the other direction, to progressively engage the contacts of the other group and movable toward mid position to provide for disengagement of engaged contacts.

2,481,854

COMPOSITION TO BLACKEN SURFACES OF COPPER AND OF ALLOYS CONTAINING COPPER

James Douglas MacMahon, Niagara Falls, N. Y., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn., a corporation of Connecticut

No Drawing. Application February 14, 1946, Serial No. 647,659
3 Claims. (Cl. 148—6.14)

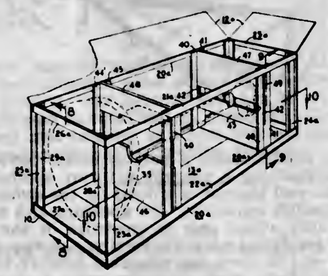
1. A solid composition consisting essentially of a hydrated alkali metal hydroxide of the group consisting of sodium hydroxide and potassium hydroxide and a relatively smaller amount of an alkali metal chlorite of the group consisting of sodium chlorite and potassium chlorite, the chlorite being uniformly fixed in the water of hydration of the hydroxide.

2,481,855

SHIPPING CONTAINER

Dennis I. McKenzie, Dayton, Ohio, assignor to The Moraine Box Company, Dayton, Ohio, a corporation of Ohio

Application June 8, 1946, Serial No. 675,379
2 Claims. (Cl. 229—23)



1. In combination, a container having non-self-supporting walls when placed under load of the article adapted to be carried therein, a skeleton frame structure removably disposed in said container consisting of a plurality of individual unattached frame sections positioned adjacent linearly contiguous walls of the container, each of said frame sections consisting of a pair of spaced side rails joined by end rails disposed in inset relationship to the ends of said side rails, said sections disposed in endwise engaging relationship with the side rails and end rails thereof in overlapping interlocking engagement to prevent inward collapse of the separable frame structure and prevented from outward separation by the walls of said container, a retaining strap around the exterior of said container engaging said linearly contiguous walls normal to the engaging edges of said frame sections to bind said overlapping joints together and relieve the walls of said container of pressure of said frame sections upon tendency of them to separate when loaded with the weight of the article for shipment in the container, removable support members extending between frame sections disposed against opposite walls of said container and carried wholly by the said frame sections for fully supporting an object in the container thereon, said support members having extensions thereon making said support members of greater length than the distance between the side rails of said opposite frame sections for engaging the side rails to lock the said support members therebetween.

2,481,856

LUBRICATOR

Bjarne Medhaug, New York, N. Y.

Application May 23, 1947, Serial No. 750,131
3 Claims. (Cl. 184—35)



1. In a lubricator of the character described, in combination, a housing containing a lubricant, a platform forming part of said housing, said platform having a plurality of outlets, a reciprocable piston, a disc within said housing rotatable relative to said platform, said disc having a central attachment forming a cylinder for said piston, a buffer member displaceable within a chamber formed in said disc, said disc further containing a channel system communicating with said chamber and with said cylinder, a rotatable sleeve concentrically surrounding said cylinder, coupling means between said sleeve and said disc, a first gear secured to said sleeve, a second gear rotatably secured to the housing and meshing with said first gear, means for intermittently rotating said second gear, said means including a shaft projecting into the housing, a cogwheel secured to said shaft and provided with a pair of diametrically opposite teeth, and a pinion secured to said second gear and positioned for operative engagement with said teeth; means for reciprocating said piston, said means including a pin carried eccentrically on said shaft and a slidable member operatively connected with said piston and engaged by said pin, the arrangement being such that the channel system within said disc will communicate with one of said outlets during a compression stroke and with the interior of the housing during a suction stroke of the piston, and adjustable means individual to a respective outlet for selectively limiting the travel of said buffer member under pressure from the lubricant, whereby a controllable amount of lubricant will be discharged through the said outlet.

2,481,857

COLLAPSIBLE TUBE WITH A NONCONTAMINATING INSERT FOR THE NECK THEREOF

Frank Marshall Menheneott and Wilfrid John Hagger, London, England, assignors to Betts and Company Limited, London, England, a British company

Application July 12, 1945, Serial No. 604,630
In Great Britain August 22, 1944
3 Claims. (Cl. 222—92)

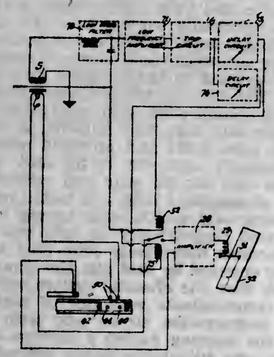
1. A collapsible tube having a shoulder and a nozzle projecting from said shoulder, and an insert of non-contaminating material consisting of a tubular portion and a flared end, the tubular portion being provided with external longitudinal ridges, said flared end fitting closely against the inside of said shoulder and said tubular portion fitting into said nozzle with said ridges penetrat-

ing the material of said nozzle, said insert preventing the inside of said nozzle and the inner



surface of said shoulder adjacent said nozzle from contacting the contents of said tube.

2,481,858
RAIL FLAW DETECTOR MECHANISM
William E. Meah, Teaneck, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application March 2, 1948, Serial No. 12,531
2 Claims. (Cl. 175—183)

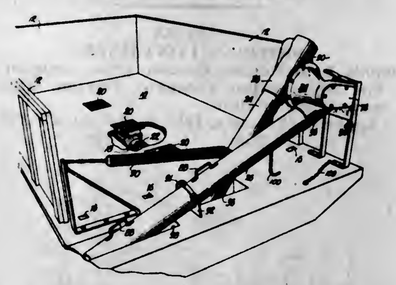


1. In a rail flaw detector car adapted to travel over rails connected by joints and comprising the following elements: means for sending current through the rail, flaw detector means, an indicator adapted to be actuated by said detector means, cut-out means for rendering the detector means ineffective to actuate the indicator, potential contacts positioned in advance of the detector means and adapted to respond to the voltage variation at the joints, and means whereby the voltage drop between the contacts generated at the joints renders the cut-out means effective; characterised by the improvement which comprises means for preventing relatively high frequency voltage pulses generated between the potential contacts from rendering the cut-out means effective, said last named means comprising said contacts spaced so that the voltage pulses generated when passing over the rail ends have a relatively low frequency, and a filter interposed between the contacts and cut-out means and adapted to pass only said relatively low frequency pulses and to block out said relatively high frequency pulses.

2,481,859
DIESEL FUEL
Pharis Miller, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 31, 1946, 2 Claims. (Cl. 44—57)

1. A fuel for compression ignition engines of the Diesel type consisting essentially of a hydrocarbon fuel which contains from about .025% to 5% of tertiary butyl perbenzoate.

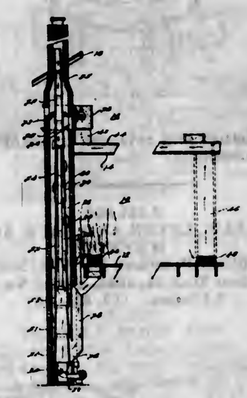
2,481,860
GRAIN CONVEYER SYSTEM
Alfred L. Miller, Liberty, Mo., assignor to Desert Gold Feed Company, a partnership
Application November 22, 1947, Serial No. 787,527
9 Claims. (Cl. 214—83.32)



1. In combination, a pair of screw conveyors each comprising a conduit with an aperture in the side wall thereof, a shroud on the outside of each conduit encircling the aperture and forming a duct whose axis is crosswise of the axis of the conduit, means supporting the two ducts end-to-end so they are rotatable relative to one another about their common axis, a shaft in the ducts aligned with said common axis, and rotatable worms in the respective conduits connected to opposite ends of the shaft whereby a driving force applied to one worm is transmitted through said shaft to the other worm.

2,481,861
HEATING APPARATUS
Moritz L. Mueller, Columbus, Ohio
Application April 18, 1945, Serial No. 588,933
3 Claims. (Cl. 237—55)

1. Heating apparatus comprising an upright chimney having an atmospheric vent at the upper end thereof, and a combustion chamber at the bottom thereof, fuel burning means associated with said combustion chamber, a tubular heat exchanger connected at its lower end to said combustion chamber to receive heated products of combustion therefrom and extending upwardly through said chimney for a major portion of the length thereof and in spaced relation with the inner walls of said chimney, said heat exchanger cooperating with said chimney to provide a flue passageway and an air passageway in intimate heat exchange relationship with each other through said heat exchanger, a blower arranged for introducing air to be heated under pressure into the upper end of said air passageway and forcing such air downwardly through said air passageway in countercurrent heat exchange relationship with said flue gases, said air passageway having an outlet for heated air at its lower end, a tubular member arranged in said flue passageway in spaced relationship with said heat exchanger and for a substantial portion of the length thereof, a water heating unit disposed in a lower portion of said tubular member, and a damper arranged at the lower end of said



tubular member and constructed and arranged to direct said flue gases across said heating unit and through said tubular member in one position of said damper and to direct said flue gases around said heating unit and through said heat exchanger in another position thereof.

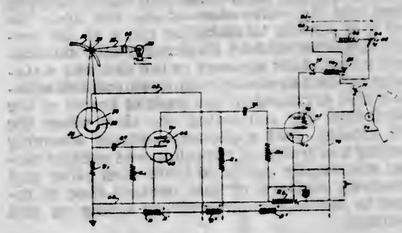
2,481,862
BOX HINGE ATTACHING MEANS AND METHOD
Ferdinand C. H. Müller and Thomas J. Pilliod, Swanton, Ohio, assignors to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application May 18, 1946, Serial No. 670,797
3 Claims. (Cl. 153—2)



1. In the art of attaching covers to wooden containers and the like by means of concealed hinges, the steps comprising inserting a hinge flap in a recess formed in an edge of a container so that all but the pintle is concealed, inserting a companion hinge flap in a recess in the cover in like manner, blindly passing a punch through each of the hinge flaps located in the container and the cover, respectively, to provide burrs on the hinge flaps sufficient to hold them in place, and withdrawing the punch so as to leave the burr intact.

3. In an apparatus for attaching hinges to a box wherein the hinge flaps are inserted into recesses in the sides of the box, a stationary base, an elongated standard attached to the base, a head mounted upon the standard, a punch affixed to the side of the head, a stripper plate adapted to position the work so that a central portion of the hinge flap is directly over the punch, resilient means mounted in the head for resiliently positioning the stripper plate normally above the upper end of the punch, a plunger positioned above the stripper plate so as to clamp the work therebetween, means for moving the plunger downwardly against the work positioned on the stripper plate until the punch has passed through one side of the box and through the hinge flaps to form a burr thereon, said moving means also retracting said plunger to its original position, a pin slidably mounted in the head in a vertical direction so as to engage the under side of the stripper plate, a slide member slidably positioned upon the standard in vertical alignment with the pin, a nub formed on the slide member, and a member carried by said plunger moving means so positioned as to contact the nub in the upward movement of the plunger so as to actuate the stripping mechanism and thus strip the work from the punch.

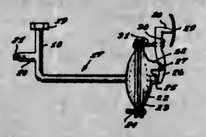
2,481,863
PHOTOELECTRIC APPARATUS FOR DETECTING SURFACE DEFECTS IN GLASSWARE
Elliott R. Owens, Whittier, Calif., assignor to Owens Illinois Glass Company, a corporation of Ohio
Application April 26, 1945, Serial No. 590,399
3 Claims. (Cl. 88—14)



1. Apparatus for testing the annular sealing surface of a glass container such as a jar or bottle, said apparatus comprising a support for the article rotatable about a vertical axis for thereby rotating a said article and causing the surface under test to traverse a testing zone, an electric lamp, means for directing light rays downward from said lamp, a vertical tube, a condensing lens at the upper end thereof, said lens being in the path of said downwardly directed light rays for converging said rays as they pass downward through the tube, a reflecting prism at the lower end of said tube comprising a reflecting surface inclined at an angle to deflect the light beam horizontally toward the testing zone, a second prism displaced from the path of light rays reflected

from the said surface of the container passing through said zone, said second prism having a reflecting surface positioned to receive light reflected in a different direction by a surface defect passing through said zone, a third prism having a reflecting surface in the path of the reflected light from said second prism and inclined in a direction to reflect the light upwardly, a tube extending upwardly from said third prism through which the light is directed, a photoelectric cell above said last mentioned tube in position to be energized by said upwardly directed light, and indicating means controlled by said photoelectric cell.

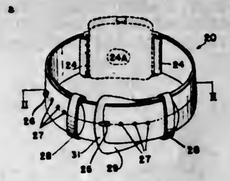
2,481,864
AIR PRESSURE INDICATOR
Henry Peck, Rockwall, Tex.
Application May 9, 1947, Serial No. 746,928
1 Claim. (Cl. 200—58)



A switch for use with a pneumatic tired wheel of an automobile, comprising an air pressure responsive device mounted upon the wheel for rotation therewith, the device comprising a housing including separate housing sections one of which is provided with a central aperture, a resilient diaphragm clamped between the separate housing sections, a plunger slidably mounted in the aperture in said one housing section and extending into the housing and connected to said diaphragm, a lever pivotally mounted intermediate its length upon the housing section carrying the plunger and having one end engaging the outer end of the plunger, a curved electrical contact shoe carried by the opposite end of the lever, a spring engaging the housing and lever to maintain the lever in engagement with the plunger, a tubular fitting connecting the other housing section and the valve stem of the tire upon the wheel and serving to place the space at the corresponding side of said diaphragm in communication with the air pressure in the tire, and a stationary contact assembly mounted upon the automobile and arranged in the path of travel of the contact shoe for contacting the shoe when the wheel rotates, said stationary contact assembly including a plurality of superimposed contact elements electrically insulated from each other and successively engaged by said contact shoe in response to decreasing air pressure acting on said diaphragm.

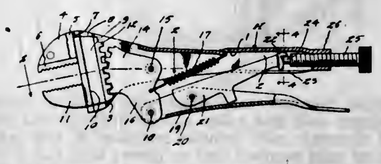
2,481,865
WRIST WATCH BAND
Robert J. Penfold, Pasadena, Calif.
Application January 13, 1947, Serial No. 721,753
4 Claims. (Cl. 224—4)

2. A wrist band for a watch comprising, in combination, a pair of end sections and an intermediate section formed of substantially rigid strip material, said sections being of arcuate form; an outwardly directed tongue at one end of each of a pair of said sections, the complemental ends of adjacent sections being provided with openings for the reception of said tongues, the end portions of adjacent sections over-lapping; loop members disposed for sliding movement on said over-lapped sections to prevent separation therefrom; and buckle-simulating means engaged by one



of said tongues and retained in place by one of said loop members.

2,481,866
SLIDING-JAW, LEVER AND RACK ACTUATED WRENCH
William Petersen, De Witt, Nebr.
Application May 21, 1945, Serial No. 594,971
2 Claims. (Cl. 81—86)

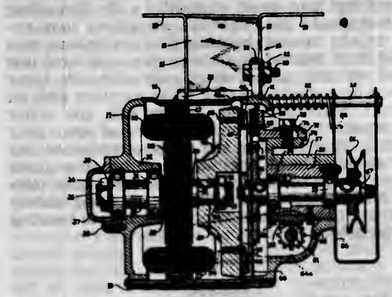


1. A wrench comprising a handle member provided at one end portion with spaced side walls, a fixed jaw at said end portion of the handle member, opposed faces of said side walls being provided with guide tracks extending across behind said fixed jaw, a slide bar positioned between said walls and slidably engaging said guide tracks to move therealong, a gear rack on the slide bar, an outstanding jaw carried by said slide bar for coaction with the fixed jaw, a segment gear pivotally mounted between the side walls of the handle member and operatively engaging said gear rack for imparting endwise movement to the slide bar upon rocking of the segment gear, said segment gear pivot being on the longitudinal center of the handle member, means for normally maintaining the jaw of the slide bar at the limit of its movement away from the fixed jaw, an outstanding arm carried by the segment gear, an operating handle pivotally engaged with the outer end of said arm, and a stub lever pivotally engaged with the operating handle adjacent to the said end of the arm and pivotally coupled with the handle member, whereby swinging movement of the operating handle toward the handle member applies thrust to said arm to rock the segment gear in a direction to move the jaw of the slide bar toward the fixed jaw.

2,481,867
MOTOR AND CLUTCH UNIT
Albert C. Peterson, Park Ridge, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1948, Serial No. 4,087
19 Claims. (Cl. 172—36)

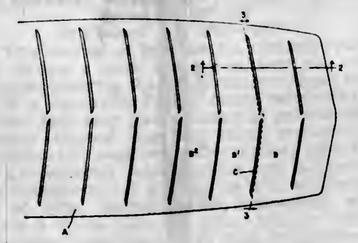
1. A motor and clutch unit which comprises a housing, means in said housing providing a field for an electric motor, an armature mounted for rotation within said field, a shaft supporting said armature, bearing means for said shaft disposed

wholly at one side of said armature, said shaft having a part projecting from said armature at



its opposite side, and a driving element of a clutch secured to said projecting part of said shaft.

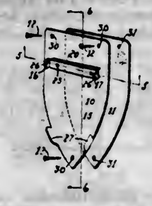
2,481,868
VEHICLE BODY TOP
George Philip, Detroit, Mich.
Application October 21, 1946, Serial No. 704,785
4 Claims. (Cl. 296—137)



4. A vehicle body top comprising a pressed sheet of generally streamlined longitudinal contour and arched transverse contour, said sheet having a plurality of transversely and rearwardly extending depressed portions on opposite sides of the center thereof, each of said depressed portions being formed by an abrupt step-like drop from the regular contour of the top to form the forward portion of the depression and tapering upwardly and rearwardly therefrom to rejoin the regular roof contour at a point adjacent the next step-like drop, said depressions each being of maximum depth at the center thereof and tapering both inwardly and outwardly therefrom to blend into the regular contour of the top at the center and outer portions thereof.

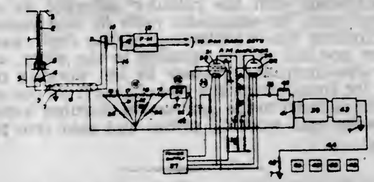
2,481,869
IRON HOLDER
Salvatore Pilato, Brooklyn, N. Y.
Application July 11, 1946, Serial No. 682,865
5 Claims. (Cl. 248—117.7)

1. An iron holder comprising a plate having converging sides which come substantially to a point at one end so as to conform generally with the ironing surface of an iron, means on said plate for use in securing the plate to a wall, a clamping-element track secured to said plate, clamping-elements moveable in said track and resiliently urged together, means on said clamping-elements to grip and support the sides of an iron, and projecting means near the point where



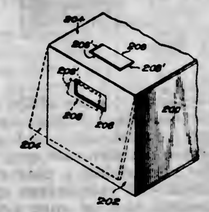
the sides of the plate converge to support the pointed end of the iron.

2,481,870
WIDE BAND AMPLIFIER
James L. Potter, Highland Park, N. J., assignor to L. S. Brach Mfg. Corp., Newark, N. J.
Application December 14, 1945, Serial No. 634,966
8 Claims (Cl. 250—20)



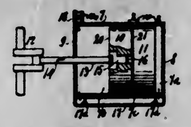
1. A radio message receiving system including an output conductor and a twin conductor shielded cable with means for passing thereto from suitable antennas both frequency modulated and amplitude modulated signals, means for separating the two types of signals and means for specially amplifying the A-M signals, said last mentioned means including at least one amplifier stage having a pentode tube and a follower tube, the plate of the pentode tube being connected to the grid of the follower tube as well as to a source of power, the cathode of the follower tube being connected to said output conductor which acts to radiate energy to receiving sets placed in pick up position to the output conductor.

2,481,871
HANDHOLD AND CARD POCKET
Roy C. Potts, Takoma Park, Md.
Application April 26, 1944, Serial No. 532,816
3 Claims. (Cl. 229—52)



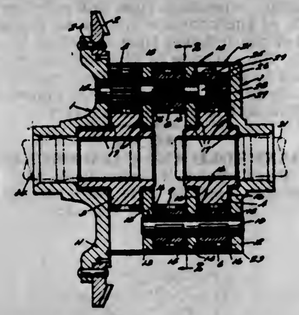
1. A box having a two ply vertical wall, a lid hingedly connected to said vertical wall, said lid being swingable so as to overlie the outside of said wall, a handhold opening in said wall, and a foldable tongue formed in said lid and so located as to register with the handhold in said vertical wall when said lid is swung to lie against said vertical wall, and being sized and shaped to enter said handhold, whereby to give access to said handhold through said lid.

2,481,872
COMBUSTION ENGINE
Fernando G. Prieto, Los Angeles, Calif.
Application September 19, 1947, Serial No. 775,084
4 Claims. (Cl. 123—74)



1. A two-stroke cycle internal combustion engine comprising, at least one cylinder having opposed ends, one working piston in each cylinder, a free piston freely movable between said working piston and one end of said cylinder to form a combustion chamber between itself and said cylinder end and between itself and said working piston alternately, a crankshaft, means connecting the working piston to the crankshaft, a fuel-conducting passage outside the cylinder and communicating with the cylinder adjacent its opposed ends, an automatic valve in said passage controlling the transferring of the fuel charge from one end of the cylinder to the other, and a valve-controlled passage in the working piston for transferring the fuel charge from one end of the cylinder to the combustion chamber formed between said working piston and said free piston.

2,481,873
NON-TORQUE-EQUALIZING DIFFERENTIAL TRANSMISSION
Ralph E. Randall, Freeport, Ill., assignor, by mesne assignments, to Dualec Engineering Co., Rockford, Ill., a corporation of Illinois
Application October 1, 1947, Serial No. 777,178
6 Claims. (Cl. 74—711)



1. A non-equalizing-torque differential comprising a rotatable gear carrier, two rotatably driven elements coaxial with said gear carrier and a transmission between said gear carrier and driven elements comprising a pair of spur gear elements rotatable with said driven elements, respectively, a second pair of spur gear elements meshing with said first pair of gear elements, respectively, an externally-screw-threaded shaft rotatable with one of said second pair of spur gear elements, an internally-threaded spur gear element having a threading movement on said shaft, a spur gear element meshing with said internally-threaded spur gear element and rotatable with the other one of said second pair of spur gear elements, and means for limiting the threading movement of said internally-threaded gear element on said threaded shaft acting to bind said threaded gear element and threaded shaft to said gear carrier comprising an abutment engaged by said gear element in its threading movement, said gear carrier comprising four coaxial axially spaced bearing plate members, one of said first pair of spur gear elements and one of said second pair of spur gear elements lying between an outside bearing plate member and an adjacent bearing plate member, and the other ones of said first and second pairs of spur gear elements lying between the other outside bearing plate member and the adjacent bearing plate member, said internally-threaded spur gear element and the spur gear element meshing therewith lying between the two intermediate bearing plate members.

2,481,874
BALL-POINT WRITING INSTRUMENT
Robert W. Randolph, Milton, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application October 5, 1945, Serial No. 620,442
9 Claims. (Cl. 120—42.03)



1. A mechanism comprising a driving member and a driven member, both movable along a given path, said members being frictionally connected together, the frictional coupling therebetween being of such strength as to cause said driven member to follow the movements of said driving member along said path except when said driven member is restrained as hereinafter prescribed, a latch operative to engage said driven member when the latter has been moved to a predetermined extent in one direction along said path by said driving member, said latch being effective when so engaged to prevent movement of said driven member in the opposite direction, means for limiting the extent of movement of said driven member along said path in said one direction, said driving member being forcibly movable in said opposite direction nothwithstanding the latching of said driven member, said driving member being operative upon movement in said one direction to release said latch and further operative, conjointly with said driven member, following such release and a continuing movement of said members in said one direction to the fullest extent permitted by said limiting means, to hold said latch released, thereby enabling said driven member thereafter to follow said driving member in said opposite direction to the full extent of its travel in said opposite direction.

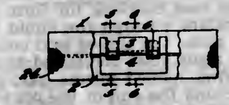
2,481,875
METHOD OF PRODUCING A STABLE FOAM GENERATING COMPOSITION
Arthur Ferdinand Ratner, Brentford, England, assignor to The Pyrene Company Limited, Brentford, England, a British company
No Drawing. Application December 8, 1945, Serial No. 633,865. In Great Britain January 1, 1945
5 Claims. (Cl. 252—352)

2. A method of producing a stable foam generating composition which comprises hydrolyzing proteinous material selected from the class consisting of keratins, albumens, globulins, hemoglobins, and seed meal proteins, adding thereto a foam stabilizing soluble ferrous salt capable of reacting with some of the hydrolysate at elevated temperatures to form an insoluble precipitate, subjecting the mixture to a temperature above 90° F. and causing a partial reaction between said hydrolysate and said stabilizing salt, and removing the resulting precipitate.

2,481,876
PRODUCTION OF SYNTHETIC RUBBER LATICES HAVING LARGE AVERAGE PARTICLE SIZE
Chester E. Rhines, Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1945, Serial No. 627,537
12 Claims. (Cl. 260—23.7)

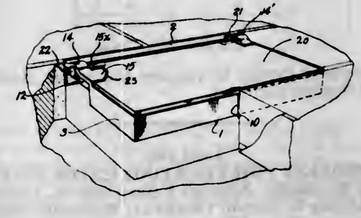
1. The method of producing a synthetic rubber latex having a large average particle size which comprises lowering the temperature without freezing of a synthetic rubber latex comprising an aqueous emulsion polymerizate of polymerizable material selected from the group consisting of butadiene-1,3, isoprene, chloroprene, piperylene and 2,3-dimethyl butadiene-1,3 and mixtures of such butadienes-1,3 with up to 70% of the mixture of other polymerizable compounds which contain a single $CH_2=C<$ group and are capable of forming copolymers with such butadienes-1,3 and containing 0.5 to 20 parts by weight of sodium caprylate and not more than 0.5 part of alkali soap of higher fatty acids containing at least 10 carbon atoms per 100 parts of latex solids, from above 20° C. to within the range below 11° C. to 0° C. and maintaining the temperature of the latex within the range below 11° C. to 0° C. for at least one-half hour.

2,481,877
HINGE
Russell L. Rhodes, North Attlebore, Mass., assignor to The Mason Box Company, Attlebore Falls, Mass., a corporation of Massachusetts
Application November 22, 1944, Serial No. 564,567
5 Claims. (Cl. 16—128)



5. For a box comprising a top and bottom each having a back wall and a transverse wall, a hinge comprising upper and lower sheet-metal hinge parts for pivotally interconnecting the top and bottom together, each hinge part having one flange bent inwardly to bear on one of said transverse walls and another flange folded outwardly to form a channel shaped to fit over the edge of one of said back walls, one hinge part having a pair of opposed perforations in the two sides of its channel at its folded edge and the other hinge part having its outwardly folded flange cut from its edge to the folded edge of the channel to form a tongue to extend outwardly through said slots, thence inwardly across its channel and thence along the inner side of the wall and thence into an opening in the far side of its channel.

2,481,878
ASH TRAP
Albert P. Robinson, Seattle, Wash.
Application December 16, 1946, Serial No. 716,460
4 Claims. (Cl. 126—242)

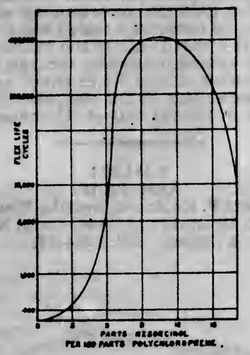


1. An ash trap structure comprising an open frame having opposite end rails formed with oppositely disposed and inwardly opening bearing seats, a door applicable to the frame and having a portion adapted to be received between the bearing seats, trunnions extended from opposite ends of the door for application to said seats; said door having a recess in one end, adjacent the corresponding trunnion, providing necessary clearance for axial movement of that trunnion within its bearing seat to a distance beyond its normal position and whereby the opposite end trunnion will be brought to the inside of its bearing seat, providing for its application thereto by an endwise shifting of the door in that direction, seats, a door applicable to the frame and having which shifting is not sufficient to disengage the other trunnion from its seat.

2,481,879
COMPOSITION OF MATTER AND METHOD OF MAKING SAME
Jack S. Ross, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 29, 1947, Serial No. 788,920
10 Claims. (Cl. 260—7)

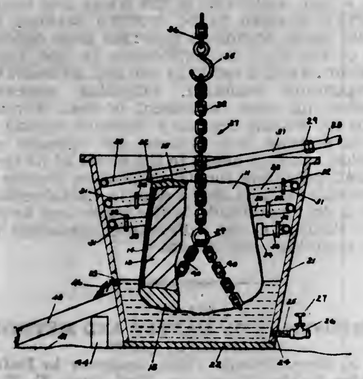
1. A composition of matter comprising an aqueous mixture of dispersed polymerized chloroprene and dissolved partially condensed resorcinol-formaldehyde resin capable of setting to a substantially infusible, substantially insoluble state, said mixture also containing free alkali metal hydroxide as a catalyst for completion of the resin-forming reaction, the relative proportions of said polymerized chloroprene and said resin being such that the resorcinol content of said resin ranges from 6.75 to 15.0 per cent by weight based on the weight of polymerized chloroprene, said mixture containing at least 30 per cent but not over 50 per cent by weight of said polymerized chloroprene and said resin, said composition being capable of setting on

standing to a friable gel condition which upon



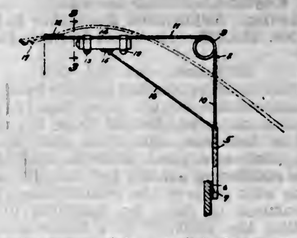
subsequent drying to remove the water yields a solid flexible material.

2,481,880
PROCESS FOR TREATING OXIDE PIGS
John W. Sadler, Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 11, 1947, Serial No. 740,838
6 Claims. (Cl. 134—6)



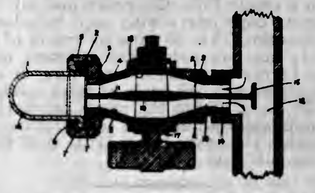
6. Process for removing the shell of unconverted material on a pig of alumina crystals which are embedded in a matrix of sulphide and which pig comprises a core of converted material contained within a shell of unconverted material and said core having on the bottom a button of reduction products and which pig has just been formed in a furnace and which pig therefore initially is at a temperature well above 100° C. and for detaching the button of such pig which comprises allowing said pig to cool to at least 100° C. on the outside and then, before it has cooled to 50° C. on the outside, spraying the shell of unconverted material with water and immersing the button in water, then removing the pig to take the button out of the water and discontinuing the spraying and, after at least two hours standing peeling off the shell and striking off the button.

2,481,881
LIGHT ATTACHMENT FOR FISHING POLES
Ben Ralph Schneider, Nicoma Park, Okla.
Application October 28, 1947, Serial No. 782,581
5 Claims. (Cl. 43—17)



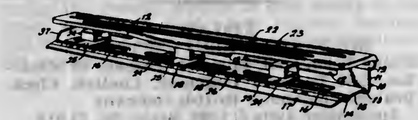
1. A device comprising a tubular member, a supporting member including a length of yieldable wire material positioned in the tubular member and being bent intermediate its ends providing a vertical supporting arm, a horizontal arm, and a yieldable loop connecting the arms, a rectangular loop secured to the outer end of the horizontal arm through which a fishing rod is adapted to extend, a flash light having a switch supported on the horizontal arm, a rod connected to the switch and having connection with the vertical supporting arm whereby downward movement of the fishing rod moves the horizontal arm downwardly, operating the switch lighting the flash light.

2,481,882
SIGHT GLASS FLUID FLOW INDICATOR
Joseph F. Sebald, Bloomfield, N. J., and William H. De Hay, Woodside, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 20, 1945, Serial No. 629,818
3 Claims. (Cl. 116—117)



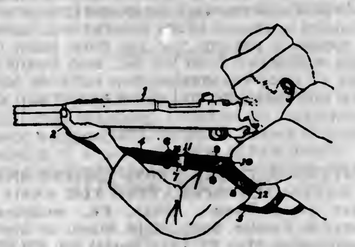
3. In a sight glass assembly, the combination with means through which liquid flows, of a sight glass assembly including a coupling having a longitudinal bore therein, a sight glass comprising a transparent substantially cylindrical body having its outer end closed and its inner end open to the bore of the coupling, means for detachably connecting said sight glass to said coupling, a longitudinal partition extending through the bore of said coupling for forming an inflow and an outflow passage for liquid to and from said sight glass, the end of said coupling remote from said sight glass connected to and opening into said first named means, said partition extending beyond the end of the coupling and into the flow path of liquid in said first named means for deflecting part of the liquid through said coupling and sight glass, a plug valve carried by said coupling for controlling the flow of liquid to and from said sight glass, said plug valve provided with a transverse opening, and a partition extending through said opening and aligning with the partition in the bore of the coupling.

2,481,883
PUNCH APPARATUS
Loren H. Semler, Chicago, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application September 24, 1947, Serial No. 775,901
5 Claims. (Cl. 164—91)



1. In a punch structure of the character set forth, a frame, punch plungers mounted for vertical reciprocation in said frame, springs urging said plungers toward elevated position, and a frame cover pivotally mounted on said frame and adapted to engage the upper ends of said plungers, said cover being provided with a longitudinal channel providing rounded bottom bearings adapted to rock upon the upper end portions of said plungers.

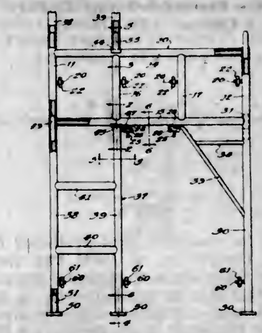
2,481,884
COMBINATION ARM BAND AND RIFLE SLING
Melville K. Short, New York, N. Y.
Application September 6, 1946, Serial No. 695,196
9 Claims. (Cl. 224—1)



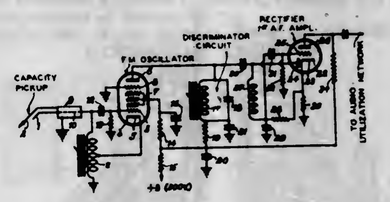
1. The combination comprising a sling strap for a rifle having a forestock swivel and a buttstock swivel, a hook secured to the rifle side of the sling strap against relative movement intermediate the length of said sling strap and with its opening toward the forestock end, an arm band adapted to be secured around the upper arm of a rifleman, and a rigid loop formed complemental to and engaging the hook, said rigid loop being secured transversely of the outer side of said arm band, the portion of the arm band to which the loop is secured being extendible away from the arm engaging portion thereof as the arm band is tightened on the arm.

2,481,885
SCAFFOLD
Eugene H. Simpson, Whitefish Bay, Wis.
Application February 25, 1946, Serial No. 649,979
2 Claims. (Cl. 304—2)

1. In a scaffold of the character described comprising an end frame having a pair of vertical posts separated from each other, a pair of horizontal supports, one of said supports joining said posts adjacent the upper ends thereof, the other said support joining said posts adjacent the lower ends thereof, a bolt on said last mentioned support intermediate the ends thereof, a nut on said bolt, a ladder section comprising a first leg, means on said leg engageable with the lower end of one of said posts to maintain said leg in alignment therewith, a second leg separated from said first leg and engageable with the lower horizontal support, a plurality of ladder rungs joining said legs, means on said second said leg engageable with said bolt between said nut and said other support to retain the ladder section on the frame, and a shear brace joining said horizontal supports.

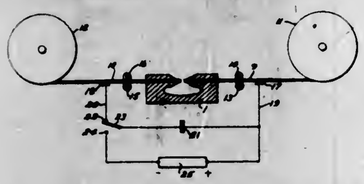


2,481,886
FREQUENCY MODULATION REPRODUCING SYSTEM
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 23, 1942, Serial No. 459,375
22 Claims. (Cl. 179—100.4)



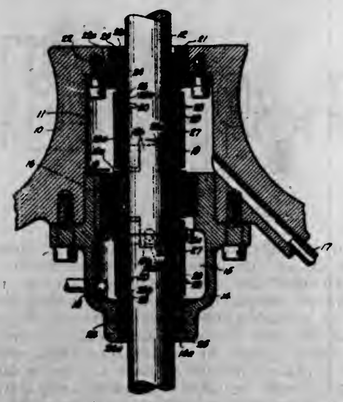
1. In combination with a variable capacity pickup device for reproducing phonograph records, an oscillator tube provided with electrodes forming an oscillator section; a resonant circuit tuned to a high predetermined mean frequency coupled to said oscillator electrodes for generating high frequency oscillations, said pickup device being connected as part of said resonant circuit whereby variations in pickup capacitance result in frequency modulation of the high frequency oscillations about said mean frequency; said tube including a positive output electrode which is electron coupled to said oscillator section; a resonant discriminator circuit connected to said positive output electrode, said discriminator circuit having frequency response characteristics exhibiting a maximum and sloping away on both sides of said maximum; said mean frequency lying at an intermediate portion of one of said sloping sides; and a rectifier connected directly across said discriminator circuit.

2,481,887
SPARK GAP AND LAMP
Wijtze Bote Smits, Veerburg, Netherlands, assignor to Smitsvonk N. V., The Hague, Netherlands
Application July 1, 1948, Serial No. 36,397
In the Netherlands July 23, 1947
3 Claims. (Cl. 176—41)



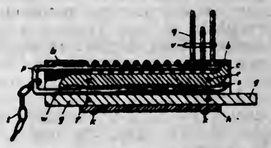
1. A lamp for emitting light produced by electric sparks, comprising at least two electrodes having their active ends electrically separated to form a spark path, means adapted to move at least one of said electrodes towards the other, said movable electrode being made of a material easily atomized by the sparks and which, in atomized condition, is inflammable, a condenser, means for loading said condenser and means for periodically connecting the loaded condenser directly to the electrodes whereby said condenser is periodically discharged through said spark path.

2,481,888
SHROUDED ROTARY SEAL
Charles W. Stratford and Herbert W. Stratford, Kansas City, Mo., assignors to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware
Application June 10, 1944, Serial No. 539,628
2 Claims. (Cl. 286—11.15)



1. A seal assembly for a rotating shaft including a stationary insert and a rotating seal ring having contacting faces normal with the axis of the shaft, spring means and a flexible packing element on the opposite side of the seal ring from the insert all enclosed within the housing and coacting to maintain a seal at the contacting faces of the insert and seal ring, a reinforcement ring of more resistant material than the composition of the packing element facing the surfaces of said packing element adjacent the shaft and seal ring, an annular knife edge ridge at one end of the insert between the insert and housing adapted to automatically align the seal assembly with the axis of the rotating shaft and a second annular knife edge sealing ridge between the seal ring and the ring of resistant material facing the packing element.

2,481,889
HOLDER FOR BELT FASTENERS
Bernard Tebb, Hull, England, assignor to Mastabar Belt Fastener Company, Limited, Cleckheaton, England, a British company
Application June 8, 1948, Serial No. 31,816
In Great Britain July 17, 1947
2 Claims. (Cl. 1—49.4)



1. A device for holding wire hook fasteners for belts during their insertion, comprising a bar with a saddle-shaped portion, said saddle-shaped portion being formed with transverse slots in it adapted to hold the loops of the wire hook fasteners, said bar having a longitudinally extending passage therein providing a slideway, a U-shaped pin, one limb of which is slidably mounted within said slideway and the second limb of which is adapted to engage in the loops of said fastener, and means to prevent said pin from being completely withdrawn from the bar, said means consisting of inter-engageable stop surfaces formed on the said first limb and at one end of said slideway.

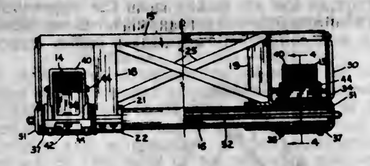
2,481,890
INTERNAL-COMBUSTION ENGINE AND METHOD OF OPERATING THE SAME
Gustav Peter Toews, Aldan, Pa., assignor to George B. Fowler, Springfield, Mass., as trustee
Application May 19, 1945, Serial No. 594,673
15 Claims. (Cl. 123—191)



5. In an internal combustion engine of the electrically fired type including a cylinder having a piston therein, the improvement which comprises at least three igniters for each cylinder, two of said igniters being positioned intermediate the valves of the cylinder of the engine, and at least one of the others near the inlet valve, means for firing said igniters, and means for so timing said firing means that all final combustion areas are removed from the periphery of said piston.

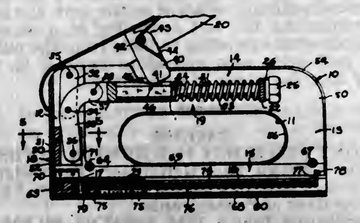
2,481,891
DUAL AXLE WHEEL UNIT
Harvey B. Van Raden, Portland, Oreg., assignor to Peerless Trailer and Truck Service, Inc., Portland, Oreg., a corporation of Oregon
Application May 13, 1946, Serial No. 669,332
7 Claims. (Cl. 280—104.5)

1. In a dual axle wheel unit the combination comprising a pair of springs mounted at opposite ends upon said axles, a trunnion shaft extending parallel with said axles and below the central portions of said springs, the axis of said shaft being below the axes of said axles, means for mounting each of said springs on each of the opposite ends of said shaft comprising an upper and a lower housing part surrounding said shaft in a spaced relation thereto, a clamp fixedly securing the central portion of said spring to the upper surface of said upper housing member, said clamp also securing said lower housing member to said upper housing member, a cylindrical



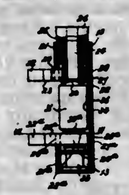
rubber member compressed between said housing members and said shaft, longitudinal grooves in the facing surfaces of said housing member and said shaft for precluding slippage between said housing members and said shaft with respect to said cylindrical member, a cross member extending above said shaft and adapted for supporting a load thereupon, means for fixedly supporting said cross member upon said shaft between said springs, and removable braces for supporting the outer end portions of said cross member upon the outermost ends of said shaft.

2,481,892
STAPLE DRIVING MACHINE
Melville Earl Wampler, Chicago, Ill., assignor, by mesne assignments, to Acme Staple Company, Camden, N. J., a corporation of New Jersey
Application September 28, 1946, Serial No. 700,099
11 Claims. (Cl. 1—49)



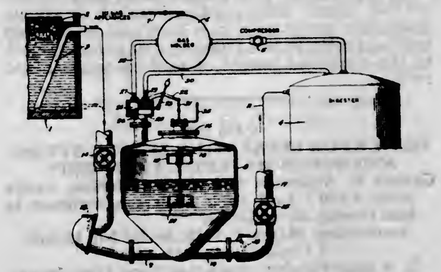
1. A staple driving machine having, in combination, a reciprocating staple driving hammer, feed mechanism for presenting a succession of staples to said hammer when the latter is retracted, means for reciprocating said hammer including a plunger supported for movement transversely of the path of the hammer, a linkage connecting said plunger with said hammer, spring means acting on said plunger and urging the plunger and said hammer to an advanced position, manually operable means for retracting the plunger and said hammer against the force of said spring means, and means operative automatically upon predetermined retraction of said plunger for releasing said manually operable means therefrom, said spring means acting upon such release to advance said hammer to drive the staple presented thereto.

2,481,893
ELECTRIC FUSE
Edward Wilcox, Timperley, Altrincham, England, assignor to Edward Wilcox & Co., Limited, Wythenshawe, Manchester, England
Application July 29, 1947, Serial No. 764,453
In Great Britain February 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 2, 1964
4 Claims. (Cl. 200—133)



1. A contact bridge member for electric fuses comprising an insulating holder having axially alined tubular ends and an intermediate connecting portion, two contact members each of approximately U-shape and having their closed ends in the form of an internally screw threaded circular loop, one contact member being disposed against the inner face of each tubular end of the holder and free for axial movement, and two screw stems, one screw stem being entered into each tubular end of the holder and screwing into the loop of the adjacent contact member and the two stems being adapted to engage the opposing ends of a fuse inserted between them alongside the said intermediate connecting portion.

2,481,894
SLUDGE HANDLING METHOD AND APPARATUS
Charles Yeomans, Hubbard Woods, Ill., assignor to Yeomans Brothers Company, Chicago, Ill., a corporation of Delaware
Application March 19, 1945, Serial No. 583,539
6 Claims. (Cl. 210—2)



1. In a treating system of the class described wherein material is delivered to a digester, in which a combustible gas is formed, and wherein such gas is compressed by a compressor and delivered to a gas holder for delivery to gas using appliances, the method of moving material into the digester which consists in delivering the material to be moved to the receiver of a gas displacement ejector, admitting compressed gas from the gas holder to said ejector receiver to effect movement of material from the ejector into the digester, and finally venting the ejector by returning the gas supplied thereto to said digester without substantial loss and without substantial dilution thereof.

2,481,895

PRESSURE-SENSITIVE ADHESIVE TAPE

Paul F. Ziegler, Winnetka, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Original application December 10, 1943, Serial No. 513,711. Divided and this application August 20, 1948, Serial No. 45,440

4 Claims. (Cl. 117—122)

1. A pressure-sensitive adhesive tape comprising a flexible smooth-surfaced non-fibrous sheet backing material having affixed directly thereto on one side a firmly adherent coating of a normally tacky pressure-sensitive adhesive, whereby said tape may be rolled upon itself and unrolled without destructive delamination of the tape, said adhesive consisting essentially of a polyvinyl acetate-chloride co-polymer film-forming vehicle and a compatible normally solid aryl sulphonamide-formaldehyde resin in about equal proportions, and a non-volatile liquid alkyl phthalyl alkyl glycollate plasticizer compatible with both said co-polymer and said resin in the proportion of about 30–90% of the combined weight of said copolymer and resin.

2,481,896

PRESSURE SENSITIVE ADHESIVE TAPES

Paul F. Ziegler, Winnetka, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application December 10, 1943, Serial No. 513,711

5 Claims. (Cl. 117—122)

1. A pressure-sensitive adhesive tape, comprising a flexible smooth-surfaced non-fibrous sheet backing material having affixed directly thereto on one side a firmly adherent coating of a normally tacky pressure-sensitive adhesive, whereby said tape may be rolled upon itself and unrolled without destructive delamination of the tape, said adhesive consisting essentially of a polyvinyl acetate-chloride co-polymer film-forming vehicle and a compatible normally solid meltable phenol modified coumarone-indene resin in about equal proportions, and a non-volatile liquid alkyl phthalyl alkyl glycollate plasticizer compatible with both said co-polymer and said resin in the proportion of about 30–90% of the combined weight of said co-polymer and resin.

2,481,897

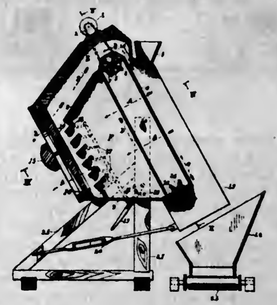
DEVICE FOR SEPARATING LEAVES, STEMS, AND OTHER MATERIAL FROM HOPS

George R. Andersen and Zack Anderson, Santa Rosa, Calif.; said Zack Anderson assignor to said George R. Anderson

Application March 2, 1948, Serial No. 12,566

5 Claims. (Cl. 209—12)

5. A machine for separating hops from leaves, stems, and other material, consisting of an endless pervious belt mounted on pulleys positioned to maintain the belt at an angle between horizontal and vertical, the uppermost of the relatively flat sections of the belt extending between the pulleys traveling in an upward direction, the belt being driven by at least one of the pulleys, means for directing hops, leaves, stems and other material to the upwardly traveling belt section, an air housing means disposed under the belt and extending from pulley to pulley and partially enclosing the upper pulley, an air intake means between the upwardly traveling belt section and the air housing near the upper pulley, said air housing also extending to close the sides of the traveling belt sections causing the air entering the air housing to enter in part through the air intake near the upper pulley and causing all the rest of said air entering said air housing to enter by passing through the traveling belt sections, an axial flow fan and air outlet means disposed in the air housing, a partition placed within and across the air housing so as to extend from the upper pulley to the fan, two air ducts thus being formed within the air housing, each duct having an opening over part of the inlet area of the fan, means provided to cause rotation of the fan to produce air suction in the two air ducts and thereby at the air intake near the upper pulley and also upon the traveling belt sections, individually and collectively adjustable baffles disposed



in the air duct extending from the traveling belt sections to the fan, said baffles being disposed in said duct between the fan and the traveling belt sections, the portions of the air housing closing the sides of the traveling belt sections constructed so as to form a frame, a shaft mounted in a suitable support, said frame being mounted pivotly on said shaft, suitable means for changing the inclination of said pivoted frame thereby changing the inclination of the belt, in the various changes of the belt said air housing, air ducts, fan, and baffles are maintained in their respective positions relative to the belt, the pulleys supporting the belt consisting of a number of spaced arms extending radially from the pulley core, said arms also extending parallel to the pulley core the width of said pulleys.

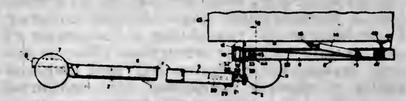
2,481,898

FRONT END HOIST FOR SEMITRAILERS

William J. Bevan, East McKeesport, Pa., assignor to Rogers Brothers Corporation, Albion, Pa., a corporation of Pennsylvania

Application June 6, 1946, Serial No. 674,809

18 Claims. (Cl. 280—33.44)



1. The combination with a semi-trailer and dump truck, a dump body on the truck, power means to elevate the body for dumping, and complementary coupling members on the truck and trailer, respectively, of cooperable means on the truck and trailer, respectively and spaced from the complementary coupling members respectively, and actuated by elevating of the body and operative when so actuated concurrently to elevate the forward portion of the trailer, to move the truck and trailer relative to each other and to move the coupling members into coupling position, and means independent of the cooperable means to latch the coupling members together in coupling position.

2,481,899

PREVENTION OF FOAMING IN STEAM GENERATION

Paul G. Bird and Arthur L. Jacoby, Western Springs, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 19, 1942, Serial No. 459,013

8 Claims. (Cl. 252—321)

1. A method of generating steam which comprises boiling, under superatmospheric pressure conditions, water containing an amount of total dissolved solids tending to produce foaming and priming, and a quantity of the condensation product of two mols of an acylated polyamine from the group consisting of monoacylhydrazines and monoacylated monoethylene and polyethylene polyamines, the acyl groups of said acylated polyamines containing at least about 12 carbon atoms, and one mol of a member from the group consisting of chloro lower fatty acids and the corresponding acid chlorides, said quantity being sufficient to substantially inhibit foaming and priming.

2,481,900

AUDIOMETER

Lourens Blok, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

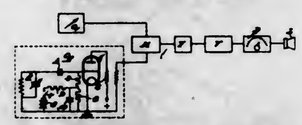
Application May 3, 1946, Serial No. 666,870

In the Netherlands August 14, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires August 14, 1961

6 Claims. (Cl. 179—1)



1. In an audiometer including an audio amplifier, an adjustable attenuator and a reproducer coupled to the output of said amplifier through said attenuator, means for supplying audio frequency oscillations to the input of said amplifier comprising an oscillator for producing oscillations having a predetermined amplitude level, and means for selectively in one position abruptly reducing the amplitude level of said oscillator to zero and in another position causing said amplitude level to rise gradually at a prescribed rate from zero to said predetermined level.

2,481,901

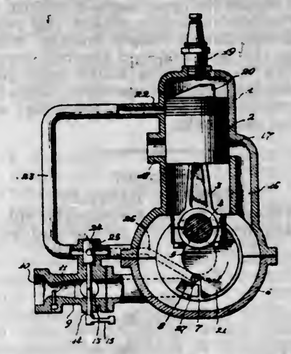
TWO-CYCLE ENGINE AND METHOD OF OPERATING SAME

Robert F. Bracke, Arlington Heights, Ill., assignor to R. F. Bracke & Company, Chicago, Ill., a partnership

Application June 13, 1945, Serial No. 599,144

11 Claims. (Cl. 123—73)

6. A two cycle engine comprising a cylinder having a head at one end and opposed inlet and exhaust ports spaced from said head, a piston reciprocal in said cylinder and effective to control said ports, said piston movable from a position adjacent said head to a position uncovering said ports, a crank shaft connected to and driven by said piston, a crank case associated with said cylinder and adapted to hold a combustible mixture of fuel and air under pressure, means providing a passage connecting said crank case with said inlet port, a carburetor for supplying a mixture of fuel and air to said crank case, a throttle valve for variably controlling said supply, a valve including a part rotating with said crank shaft for



controlling communication between said crank case and said supply means, a deflector carried by said piston for directing fuel and air entering said inlet port toward said cylinder head, a relief port located between the first-named position of said piston and said other ports, a valve associated with said throttle valve for variably controlling discharge through said relief port, a second valve preventing escape of fluid through said relief port during the power stroke of said piston, and a conduit connecting said relief port and crank case.

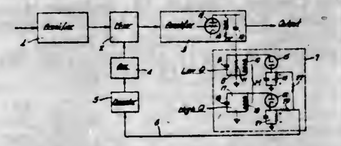
2,481,902

AUTOMATIC FREQUENCY CONTROL CIRCUIT FOR FREQUENCY MODULATION TELEVISION SYSTEMS

William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application April 10, 1946, Serial No. 660,866

9 Claims. (Cl. 178—7.3)



8. In a frequency-modulation television system employing a carrier wave which is frequency modulated with signals including video signals and synchronizing pulses, the wave frequency of said synchronizing pulses being outside the wave band of said video signals, the location of said modulated wave in the frequency spectrum being a function of the operating frequency of a controllable oscillator; means for varying the frequency of said oscillator; a frequency-variation response network having a substantially flat frequency response to video components of the carrier wave and arranged to receive a portion of the signal energy; a detector coupled to said network and adapted to produce a unidirectional control volt-
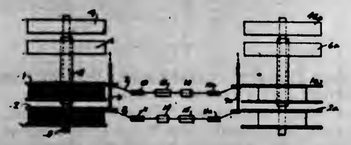
age of certain polarity; a frequency-variation response network having a steep frequency-response characteristic at frequencies just beyond the peak frequency of the synchronizing pulses of the carrier wave, said last-mentioned network also being arranged to receive a portion of the signal energy; a detector coupled to said last-mentioned network and adapted to produce a unidirectional control voltage having a polarity opposite that of said first-mentioned control voltage; and means for applying said control voltages to said frequency-varying means, the polarity of said first-mentioned control voltage being such as to urge the peaks of said synchronizing pulses toward the frequency to which said last-mentioned network is most responsive, while the second control voltage acts to prevent any substantial shift of said peaks.

2,481,903
JEWELRY DISPLAY
Wilson M. Brady, Catonsville, Md.
Application September 17, 1948, Serial No. 49,670
3 Claims. (Cl. 211—13)



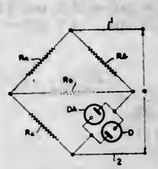
1. A display unit for jewelry and the like, comprising in combination, an angularly cut block having projecting members on one face thereof, a pad having an opening therein to allow the pad to be placed on said members and held thereby, said pad being angularly positioned by the block so as to be readily observable from in front and having an area larger than that of the face of the block on which the pad is placed for the placement of articles of jewelry thereon, said members and opening being of rectangular form to facilitate the placement of the pad in predetermined relation to said members for the display of the articles in a predetermined position, said block having a portion removed from the upper edge to allow access to the back portions of the articles placed on the pad.

2,481,904
BIFILAR MAGNETIC RECORDING SYSTEM
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application March 17, 1945, Serial No. 583,316
3 Claims. (Cl. 179—100.2)



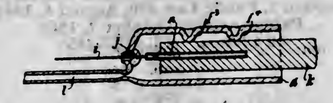
1. In a magnetic recording and reproducing device for simultaneously rewinding and erasing and recording and thereafter simultaneously rewinding and playing a plurality of sections of paramagnetic record medium in order to eliminate any delay between erasing and recording and playing operations or vice versa or between successive playing operations including a first pair of spools, each having a paramagnetic elongated record medium wound thereon, a second pair of spools upon which the elongated record mediums are to be wound, a pair of independent concentric shafts upon which said first spools are respectively mounted, a second pair of independent concentric shafts upon which said second spools are respectively mounted, means for selectively driving said second spools independently of each other to transfer simultaneously said record mediums from said first spools to said second spools, and means for selectively driving said first spools independently of each other to transfer simultaneously said record mediums back to said first spools, said spool shafts and said drive means including sufficient frictional drag to at all times tension said record mediums independently of each other while they are being unwound, a magnetic transducer head associated with each of said record mediums and over which each of said record mediums pass as they are being wound and unwound, one of said magnetic transducers being arranged to be rendered operative when said mediums are being unwound from said first spools and wound onto said second spools, and the other of said magnetic transducers being arranged to be rendered operative when said record mediums are being unwound from said second spools and rewound on said first spools, and separate level winding means respectively for each of the first and second pairs of spools upon which each of the paramagnetic media are to be simultaneously level wound and unwound.

2,481,905
POWER REGULATING BRIDGE NETWORK
Lloyd B. Cherry, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 7, 1945, Serial No. 598,069
12 Claims. (Cl. 323—75)



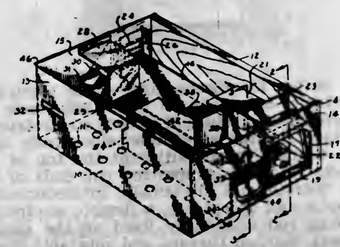
1. Alternating power regulating apparatus comprising a circuit network having input terminals adapted for connection to a source of alternating current of wave form varying in shape substantially according to the law of sines and including a load device to which substantially constant power is to be supplied, the voltage of said alternating current source being variable, a voltage amplitude limiting means connected to said load device in said circuit network and operating to limit to a predetermined value the peak amplitude of the voltage impressed on said load device whereby the shape of the voltage waves impressed on said load device is trapezoidal in character, the slopes of the non-parallel sides of the trapezoidal waves and thereby the area sub-tended by said waves varying according to the peak amplitude of the voltage applied to said input terminals, and electrical impedance elements connected to said load device and having values to cooperate with said voltage amplitude limiting means in modifying the shapes of the voltage waves impressed on said load device as required to maintain the square root of the mean of the squares of the ordinants of said last mentioned waves substantially constant.

2,481,906
MOUNTING OF ELECTRODES IN ELECTRIC DISCHARGE TUBES
Arthur Leslie Chilcot, Temperley, and Sydney Jackson, Chadderton, England
Application December 24, 1943, Serial No. 515,500
In Great Britain April 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 18, 1962
8 Claims. (Cl. 49—78)



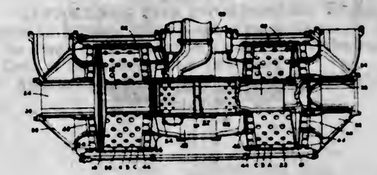
1. A method of constructing an electric discharge tube which comprises forming protuberances on pre-selected parts of the inner surface of a glass tube, the apices of said protuberances being disposed in such a manner that when a jig holding at least one electrode is located by contact therewith, said jig is prevented from undergoing both lateral and tilting displacement, inserting said jig to so contact with said apices, fusing to seal one end of said tube to mount a first electrode whilst said jig is so located, removing said jig and inserting in place thereof a second electrode to at least in part surround said first electrode, contacting said second electrode with said apices so as to prevent both lateral and tilting displacement, and fusing the other end of said tube to seal the same and to mount said second electrode, whereby said electrodes are accurately located in desired transverse spatial relationship to one another.

2,481,907
MOUSETRAP
Ira A. Cook, Milan, Mo.
Application October 13, 1947, Serial No. 779,491
2 Claims. (Cl. 43—76)



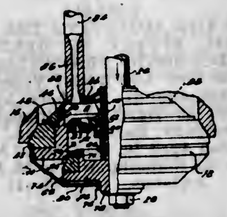
1. In a mouse trap, a body having an entry opening, a plurality of door-trapped passages leading from said opening, a death chamber leading from the last of said passages and having a top wall and an entry end, a trap door at said entry end, said death chamber being mounted for sliding movement through a wall of said body, said death chamber further having a delivery opening for dead mice in its bottom, a blade slot in its top wall, and a blade movable into and out of said death chamber through said slot, and a guide for said blade fixed within said body and registering with the blade slot upon the death chamber being in its innermost position, said body having a slidably mounted top provided with a blade slot registering with the guide, upon the top being in fully body closing position.

2,481,908
CONTROL FOR FREE-PISTON UNITS
Kenneth C. Cooper, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 30, 1945, Serial No. 575,344
10 Claims. (Cl. 230—56)



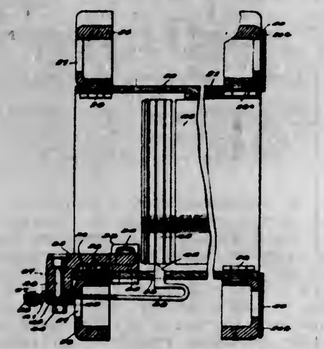
1. In a free-piston unit, a compressor cylinder, an engine cylinder having scavenge ports through which air under pressure from the compressor cylinder enters the engine cylinder, an exhaust port through which gas under pressure from the engine cylinder is discharged, a piston assembly in said cylinders, said compressor cylinder having a number of axially spaced circumferentially extending rows of spill ports, and closure members for said rows of ports, in combination with means for actuating said closure members successively and a device responsive to changes in the pressure of the exhaust gas from the engine cylinder for operating said actuating means.

2,481,909
DRAIN DEVICE
Harold E. Dales and Raymond C. Baarlaer, Detroit, Mich.
Application June 6, 1945, Serial No. 597,760
4 Claims. (Cl. 137—13)



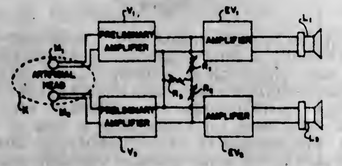
3. A fire hydrant comprising a main water supply conduit, a fluid chamber in communication with said water supply conduit, a main valve seat in said conduit, a main valve head having a water passage therethrough co-operating with said main valve seat for controlling a flow of water from said conduit to said chamber, an auxiliary valve seat in the water passage through said main valve head, an auxiliary valve head for said auxiliary valve seat for controlling a flow of water from said conduit through said main valve head, a nozzle in the water discharge passage through said main valve head for discharging a stream of water under pressure to said chamber when said auxiliary valve is open, a discharge conduit from said chamber in co-operative relation with said nozzle to produce an ejector action for discharging the water in said chamber when water is flowing through said nozzle, and a control for said auxiliary valve head which controls said main valve head through a lost motion connection between said main valve head and said auxiliary valve head.

2,481,910
ROCKET LAUNCHER
Walter H. D'Ardenne, Jenkintown Manor, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 5, 1946, Serial No. 674,593
8 Claims. (Cl. 89—1.7)



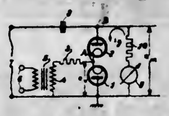
2. A rocket launcher tube assembly comprising a plurality of multi-sided substantially identical launching tubes, said tubes being nested together in a cluster in vertical and horizontal rows so that flat sides of adjacent tubes are in contact with each other, filler members positioned in the spaces between tubes at the front and rear of said assembly and fastened to said tubes, each of said tubes having an opening in its wall near its rear end, and electrical contact members extending one through each of said rear filler members and extending through said openings into the interiors of the tubes to act as firing contacts.

2,481,911
DEVICE FOR ADJUSTING THE STEREOPHONIC EFFECT IN DEVICES FOR STEREOPHONIC TRANSMISSION
Kornelis de Boer and Reelof Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 26, 1946, Serial No. 665,028
In the Netherlands May 20, 1942
2 Claims. (Cl. 179—1)



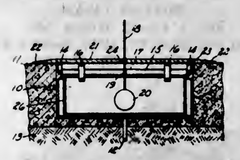
1. A binaural transmission system comprising an artificial head having a predetermined diameter, a pair of microphones disposed at opposite sides of said head to simulate the aural response of ears, a pair of receiving devices, a first transmission channel connecting one of said microphones to one of said devices, a second transmission channel connecting the other of said microphones to the other of said receiving devices, and means to vary effectively the diameter of said head, said means including an adjustable impedance network intercoupling said first and second channels, said network being constituted by three variable resistors arranged to form a T type section.

2,481,912
PHASE COMPARATOR COMPRISING AN ALTERNATING CURRENT BRIDGE CIRCUIT
Cornelis Dorsman and Pieter Heertje Dijksterhuis, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 26, 1946, Serial No. 665,014
In the Netherlands October 7, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 7, 1962
10 Claims. (Cl. 172—245)



1. Apparatus for measuring the phase displacement between a first alternating voltage and a second alternating voltage of larger amplitude comprising two rectifiers oppositely connected in a series circuit, means to apply the first alternating voltage across said series circuit, means to apply the second alternating voltage across one of said rectifiers, and direct current indicating means connected in parallel with said series circuit for determining the phase angle between said first and second alternating voltages.

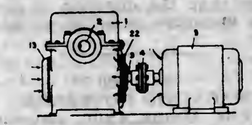
2,481,913
STATIC ELECTRICITY DISCHARGING DEVICE
William J. Duchesneau, Hartford, Conn.
Application September 14, 1946, Serial No. 697,028
2 Claims. (Cl. 175—264)



1. A device for discharging static electricity from vehicles comprising a metal receptacle for placement in the surface of a road, an electrically conducting, horizontal spindle, electrically conducting bearing means adjacent the top of the receptacle rotatably supporting the ends of the spindle therein and electrically interconnecting the spindle and receptacle, a flexible electrically conducting rod adjustably fixed on the spindle in angular relation thereto and rotatable therewith, means biasing the rod into upright position, and a cover extending over the receptacle and covering said bearing means and having a centrally located slot through which the rod extends, permitting pivoting movement of the rod with the spindle.

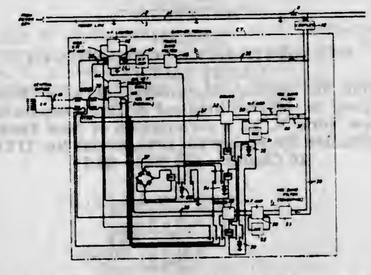
2,481,914
AIR-COOLED REDUCTION GEAR UNIT
Sidney L. Eastman, Cleveland Heights, and Clair M. Johns, Cleveland, Ohio, assignors to The Cleveland Worm & Gear Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1944, Serial No. 524,706
4 Claims. (Cl. 74—606)

1. In an air cooled worm gear reduction unit, a housing comprising inner and outer walls forming an air circulating space therebetween extending from end to end thereof, a worm shaft having one end projecting from said housing and the other end enclosed within said inner wall, a two-way thrust bearing in such inner wall for such enclosed end of said shaft, a radial bearing for said shaft where the latter projects from said housing, an oil seal for said shaft in said inner housing wall where said shaft thus projects therethrough, an air intake opening in such outer wall spaced directly axially from said thrust bearing, a grid shield for said intake opening comprising a



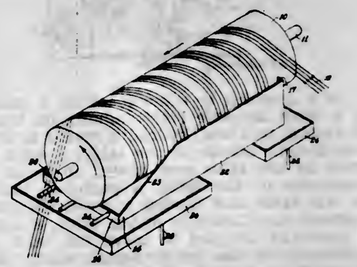
plurality of grid bars flattened in a plane normal to the plane of said opening, an air outlet opening in such outer wall surrounding said shaft projecting therefrom, an air exhausting fan mounted on such projecting end portion of said shaft and adjacent said air outlet opening operative to draw air into said intake opening directly against such inner wall axially of said thrust bearing and then through said air circulating space and out said outlet opening, and deflector means adapted to direct such exhaust radially outwardly of said fan.

2,481,915
POWER LINE CARRIER WAVE COMMUNICATION SYSTEM
Robert C. Edson, Livingston, and John W. Emling, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 653,254
8 Claims. (Cl. 179—2.5)



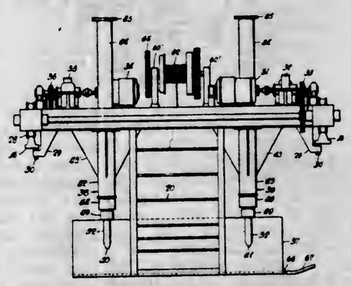
1. In a carrier communication system, a transmission medium and stations coupled to said medium, including a carrier terminal station and a plurality of carrier subscriber stations, said carrier terminal station including a transmitter for transmitting communication signals to said medium on a carrier wave of one frequency and two receivers for respectively detecting communication signals received over said medium on a carrier wave of a second frequency and a carrier wave of a third frequency, each of said carrier subscriber stations including a transmitter normally conditioned for transmitting to said medium on a carrier wave of said second frequency only, switching means responsive to applied carrier waves of said one frequency received over said medium from said carrier terminal station for conditioning the transmitter at the local subscriber station for transmitting to said medium on a carrier wave of said third frequency only and other switching means for preventing operation of the first switching means if said local subscriber station is transmitting to said medium on a carrier wave of said second frequency at the time of arrival of a carrier wave of said one frequency thereat over said medium.

2,481,916
APPARATUS FOR PROCESSING YARN
Alvin L. Ewing, Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 9, 1946, Serial No. 682,425
9 Claims. (Cl. 68—62)



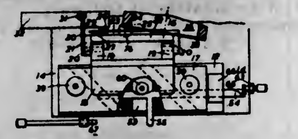
1. In combination with a rotating reel on which yarn is wound, an open-ended pan positioned adjacent the path of rotation of said reel and in as close proximity as possible to the yarn sheet on the rotating reel so that the yarn sheet on the lower half of the reel periphery and opposite to said pan will pass through a thin layer of the processing liquid in said pan, said pan having troughs to cause the processing liquid to cascade down said pan.

2,481,917
MATERIAL UNLOADER
Raymond E. Exum, East Orange, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application March 19, 1946, Serial No. 655,579
9 Claims. (Cl. 262—13)



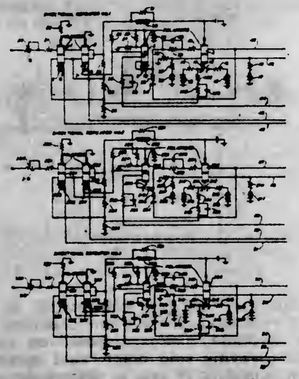
1. A material unloader comprising, in combination, a carriage, spaced guide bearings on said carriage, a blade, means disposed on said carriage for carrying said blade, said means comprising a plurality of sets of telescopic sections, each set being individual to a guide bearing, the lowermost section of each set being secured to the blade and the uppermost section of each set passing through one of said guide bearings, and means for actuating said blade to effect unloading of said material.

2,481,918
WORK SUPPORT FOR GRINDING MACHINES AND THE LIKE
Morgan Fairest and Derek Howard Fairest, Sheffield, England, assignors to Morgan Fairest Limited, Sheffield, England
Application October 13, 1947, Serial No. 779,490
In Great Britain October 12, 1946
6 Claims. (Cl. 51—231)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



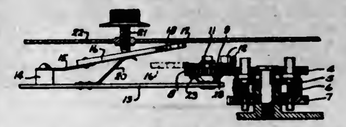
1. In a grinding or other machine, a machine bed, a table movable longitudinally on the bed with respect to a tool, hydraulic means to impart a longitudinal stroke to the table, a work slide carried by the table and guided so as to slide transversely of the table, a push-rod movable with the table and having a positively limited movement longitudinally of the table, a cam on the push-rod adapted to move the work slide transversely of the table during such limited movement, stops on the bed to engage the push-rod near the ends of its movement with the table, and an adjustment for at least one of the stops to provide any length of stroke of the table within the maximum stroke of the hydraulic means after allowing for the limited movement of the push-rod, the positive engagement of the push-rod with the table at the ends of such limited movement determining the stroke of the table against the urge of the hydraulic means.

2,481,919
MULTIWAY REGENERATIVE REPEATER SYSTEM
Karl E. Fitch, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1945, Serial No. 612,679
12 Claims. (Cl. 178—73)



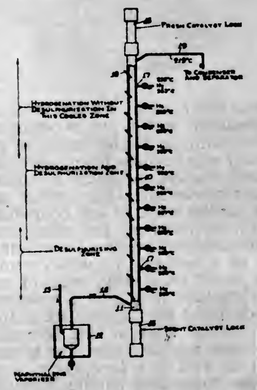
1. A half-duplex multiway regenerative telegraph repeater system comprising more than two individual telegraph repeaters interconnected through hubs to a single one-way regenerative repeater unit, said system including means whereby but one of said individual repeaters may effectively transmit through said regenerative repeater to all of the others of said individual repeaters simultaneously through said hubs at any one time, and means in said system for effectively indicating, at remote stations connected to said multiway repeaters, a condition whereunder more than one of said individual repeaters attempt to transmit at any one time to said other individual repeaters, said latter means comprising instrumentalities for transmitting signals of protracted duration, substantially longer than the duration of normal signals, so as to insure reception at said remote stations.

2,481,920
MAGNETIC GOVERNOR
Charles L. Fitz, Albany, Calif., assignor of one-half to Fred Dobbs and one-half to Charles L. Fitz, copartners, Three Lakes, Wis.
Original application August 15, 1941, Serial No. 406,942. Divided and this application July 12, 1945, Serial No. 604,626
11 Claims. (Cl. 188—104)



1. A rotor comprising a rotatably mounted armature having polar extensions in arcuate series, in combination with a bar magnet having terminal polar projections complementary to those of the armature, and means supporting the bar magnet for relative adjustment of its polar projections to and from the plane of rotation of said armature and to and from proximity to the polar extensions of said armature.

2,481,921
CATALYTIC HYDROGENATION OF NAPHTHALENES
Marion H. Gwynn, Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application December 18, 1946, Serial No. 717,063
10 Claims. (Cl. 260—66.7)

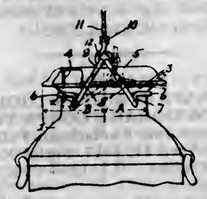


1. A process for the vapor phase hydrogenation of crude naphthalenes containing sulfur compounds to produce tetrahydro and decahydro naphthalenes which comprises passing the crude naphthalenes in the vapor phase admixed with hydrogen under a pressure of from 2 to 60 atmospheres over a body of hydrogenation catalyst containing a metal from the group consisting of nickel and cobalt in a reaction zone in which the catalyst is disposed in a gradient of ascending activity, said catalyst containing from 1 to 10 mols of metal per liter of reaction zone, the hydrogen being present in amount of at least 4 cubic feet measured at the pressure within the reaction zone and at room temperature per pound of said naphthalenes, maintaining temperature conditions in the reaction zone within the range of from about 170° C. to 340° C. and flowing the naphthalenes and hydrogen over said catalyst so that the approximate time of contact with the catalyst is less than 1 minute.

2,481,922
REDUCTION-HYDROLYSIS OF NITROBENZENES TO CYCLOHEXANOLS
Glenn Frederick Hager, Wilmington Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1946, Serial No. 714,131
8 Claims. (Cl. 260—631)

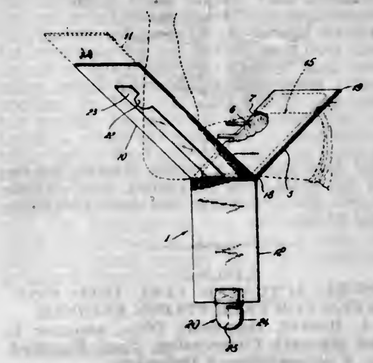
1. A gas phase process for the manufacture of cyclohexanol and alkyl substituted cyclohexanol in one step, which comprises reacting in the vapor phase at substantially atmospheric pressure with hydrogen and water vapor in the presence of a catalyst selected from the class of chromites of metals forming hydrogenating oxides, a compound taken from the group consisting of nitrobenzene and its alkyl substitution products, and maintaining a temperature between 175° C. and 220° C. throughout the reaction.

2,481,923
GRAPPLER
Selden H. Hall, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application December 15, 1945, Serial No. 635,181
9 Claims. (Cl. 294—28)



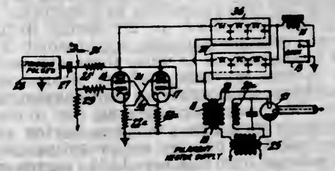
1. In a device for lifting articles having a relatively small diameter neck and a relatively large diameter portion above it, the combination of two similar members, each of said members consisting of a central arcuate portion having a radius approximating that of the neck, two portions adjoining opposite ends of the arc and extending outward therefrom in a plane approximately at right angles to the plane of the arcuate portion, and two other portions, one at the outer end of each of the last named portions, extending parallel to each other and upward at an angle pronouncedly oblique to the plane of the arcuate portion and terminating in eyes, and a third member having its main portion in a plane perpendicular to the axis of the arcuate portions and having at opposite ends eyes engaging the eyes on the adjacent ends of the two similar members.

2,481,924
SPHYGMOMANOMETER CUFF
Bernard M. Hanafin, Kew Gardens, N. Y., assignor to W. A. Baum Co., Inc., New York, N. Y., a corporation of New York
Application April 24, 1948, Serial No. 23,076
6 Claims. (Cl. 128—327)



6. A pneumatic sphygmomanometer cuff comprising three strips of flexible fabric having one end of each sewn to one end of each of the others along a common seam, a pocket formed on one of the said strips and adapted to contain an inflatable bag, an inflatable bag in the said pocket, and a pressure-sensitive adhesive material applied to the free end of one of the strips other than that containing the bag.

2,481,925
PULSE MODULATOR
Howard R. Hegbar, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1943, Serial No. 492,761
2 Claims. (Cl. 250—27)

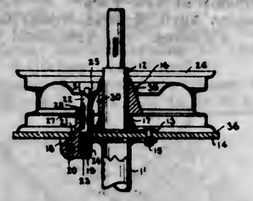


1. In combination a plurality of electric discharge tubes of the gas or vapor type, each tube having a cathode, an anode, a control grid and an auxiliary grid, a plurality of impedance elements connected between ground and said cathodes, respectively, a plurality of wave-forming networks, means for connecting said anodes to said networks, respectively, voltage supply means for said networks, a load connected in series with said tubes and said networks, means for applying a voltage appearing at the cathode end of any one of said impedance elements to the auxiliary grids of the other tubes, and means for applying a triggering voltage to said control grids.

2,481,926
SELF-ADJUSTING AND LOCKING WHEEL SUPPORTING DEVICE
Robert D. Henderson, Cincinnati, Ohio
Application May 6, 1947, Serial No. 746,273
5 Claims. (Cl. 144—288)

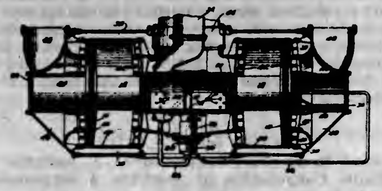
1. A wheel supporting device comprising a table, a shaft extending upwardly from said table,

a cone slideably mounted on said shaft, means for normally maintaining said cone in raised position, a groove in the side of said cone, a guide pivoted on said table, one end of said guide mov-



able into said groove, a spring pressed pin extending upwardly from said guide, and a crosspin on said pin contacting said cone and spanning said groove.

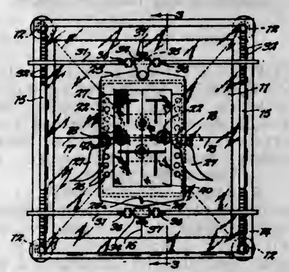
2,481,927
PRESSURE ACTUATED FUEL INJECTION SYSTEM FOR FREE-PISTON ENGINES
Ralph J. Hooker, Hamilton, Ohio, assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 10, 1947, Serial No. 753,642
13 Claims. (Cl. 123—46)



7. A free-piston unit including an engine cylinder and piston, a compressor cylinder and piston, said cylinders being connected together and said pistons being interconnected to reciprocate as a unit in said cylinders, an air spring including piston and cylinder elements, one of which is connected to the pistons to move therewith, said air spring causing movement of the pistons on the engine compression stroke, in combination with a fuel injection device for delivering fuel to the engine cylinder including a housing having a bore and an injection plunger reciprocating in said bore, a passage from said bore to the engine cylinder and an inlet passage for fuel to enter said bore, a spring acting on said plunger to move it in one direction, and pressure-actuated means for moving the plunger in the opposite direction, said last means including a piston, a cylinder in which said piston reciprocates, and a valve element substantially smaller in area than the piston connected thereto, said valve element closing an admission port to the last-mentioned cylinder.

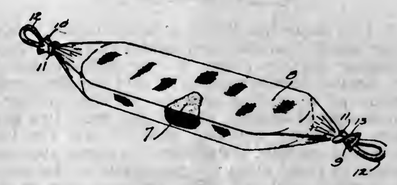
2,481,928
PREDETERMINED REGISTERING DEVICE FOR PRINTING ELEMENTS
William C. Huebner, New York, N. Y.
Application September 27, 1944, Serial No. 555,930
4 Claims. (Cl. 33—184.5)

4. A registering device of the character described comprising a support having an illuminable transparent plate providing a registering surface for supporting a sheet-like printing element placed face to face thereon, said plate having longitudinally and transversely extending central register lines cooperable with indicia on said printing element to locate the printing element in a predetermined registered position on said surface, upwardly projecting parallel rails on said support at opposite longitudinal edges of said plate and parallel with said longitudinal register line and having transverse notches in their upper edges arranged in differently spaced and designated pairs with the notches of each pair at opposite sides of and equidistant from said transverse register line, transverse parallel bars engageable in one or another of said pairs of notches and thereby held parallel with each other at different equal distances from and at opposite sides of said transverse register line, each of said bars having in its bottom a notch



in which one of said rails slidably engages for preventing shifting of said bar lengthwise of itself, and socket pieces mounted centrally on said bar and movable thereon toward and from said registering surface and having dowel holes to releasably receive dowels projecting out centrally from opposite end portions of a portable holder for said printing element, said holder being of sheet-like open frame form adapted to be placed over and attached to the upper face of said printing element on said registering surface and expose the printing element through the opening of said holder, said adjustment of said bars to one or another of the pairs of said paired notches placing said socket pieces in position for engagement with the dowels of portable holders of predetermined different lengths.

2,481,929
SANITARY NAPKIN AND METHOD OF FASTENING ANCHORAGE LOOPS THERETO
Curt George Joa, Sheboygan Falls, Wis.
Application April 11, 1947, Serial No. 740,886
7 Claims. (Cl. 128—290)



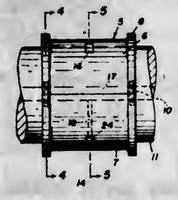
1. The combination with a sanitary napkin wrapper having a projecting end portion provided with an aperture, of an endless anchorage loop having a bight engaged about the wrapper at the side of the aperture remote from the free end of the wrapper, said loop thence passing through the aperture of the wrapper and exposed beyond the end of the wrapper for the mounting of the napkin.

2,481,930
HEATED SHOE TREE FOR DRYING SHOES
Lyle T. Katchel, La Crosse, Wis.
Application August 25, 1947, Serial No. 770,470
2 Claims. (Cl. 12—129.4)



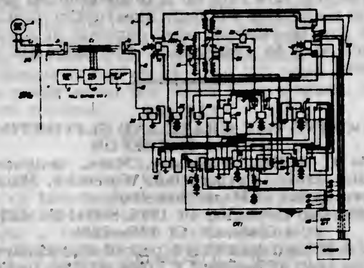
1. A shoe dryer comprising a form adapted to fit into a shoe or other item of footwear for substantially filling the same and having a hollow interior, and an electric heating element contained therein and adapted to be connected to a source of electric current, said form comprising an inner ply of tissue paper, an intermediate ply of mesh wire fabric and an outer ply of plaster.

2,481,931
REPLACEABLE BEARING JOURNAL ASSEMBLY
William Frank Kester, Hamilton Field, Calif.
Application February 6, 1947, Serial No. 726,838
4 Claims. (Cl. 308—237)



1. A replaceable bearing journal assembly comprising a pair of semi-cylindrical bearing journal sections having openings in their meeting edges, and locking pins having thermally expansible heads positioned in said openings to secure the sections in assembled relation on a shaft.

2,481,932
SUPERVISORY SIGNALING IN TELEPHONE SYSTEMS
Lindley A. Kille, Morristown, and Theodore D. Robb, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1946, Serial No. 718,780
3 Claims. (Cl. 179—18)

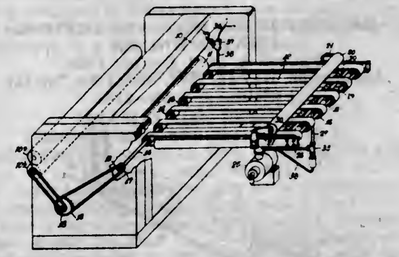


1. In a telephone system, an outgoing trunk circuit, an incoming trunk circuit, means comprising a two-conductor trunk interconnecting said circuits, a loop signaling circuit including in series a battery one pole of which is connected to ground, both windings of a line relay and both windings of a differential relay in said incoming trunk circuit, the conductors of said trunk and the windings of marginal and polarized relays in said outgoing trunk circuit, said marginal and line relays only being operatively energized in said loop circuit, means in said incoming trunk circuit for reversing the current in said loop signaling circuit to effect the operation of said polarized relay, means in said outgoing trunk circuit for opening the loop signaling circuit and connecting ground potential to one conductor of said trunk to effect the operation of said differential relay and to hold operated said line relay in said incoming trunk circuit, and means in said incoming trunk circuit for decreasing the voltage applied through one winding of the line relay and one winding of the differential relay to effect the release of the marginal relay in said outgoing trunk circuit without releasing the polarized relay therein.

2,481,933
TREATMENT OF SUEDE LEATHER WITH SYNTHETIC POLYMERS
Donald Taylor Kirby, Claymont, and John Thomas Chain, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 30, 1945, Serial No. 625,684
5 Claims. (Cl. 8—94.13)

1. A process for improving the qualities of suede leather which comprises subjecting suede leather to aqueous treatment in a bath comprising a sulfonated fat liquoring agent and further comprising an aqueous dispersion of a synthetic water insoluble polymer selected from the group consisting of vinyl acetate polymer, butylmethacrylate polymer and chloro-2-butadiene-1,3 polymer, the weight ratio of the said aqueous bath to the dry leather being greater than 1:1, and subsequently subjecting said leather to a finishing buffing operation.

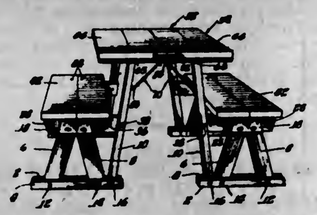
2,481,934
SHEET DELIVERY CONTROL FOR CUT-OFF MECHANISMS
Bryant W. Langston, Woodbury, N. J., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey
Application November 14, 1945, Serial No. 628,405
14 Claims. (Cl. 164—68)



14. In combination with a cut-off mechaniam for cutting into successive sections a web of stiff sheet material traveling at high speed, a plurality of conveyor belts spaced apart laterally for receiving the stiff cut off sections, means for driv-

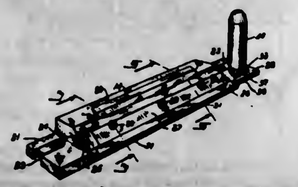
ing said conveyor belts at a higher speed than that of the web to space each section from the end of the web after it is cut therefrom, a transverse pipe between the upper and lower runs of said belts, upstanding nozzles disposed along said pipe and having their upper ends substantially in the plane of said surface of the upper runs of said belts, and means for applying suction to said nozzles to act on and retard said sections only while the rear or tail portion of each section is passing over said nozzles.

2,481,935
COMBINED BENCH AND TABLE
Charles O. Larsen, Sterling, Ill.
Application November 27, 1944, Serial No. 565,330
2 Claims. (Cl. 155—43)



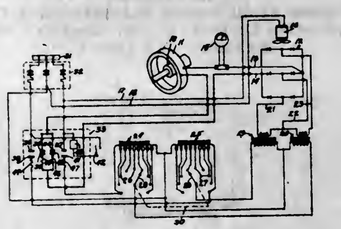
2. In a combined table and bench assembly a pair of benches adapted to be spaced apart a predetermined distance, each bench having two pairs of inverted V-shaped legs, a pair of sheet metal clamps, one surrounding the converging upper ends of each pair of legs and bolted thereto to hold the same together, a pair of horizontal cross supports, one interconnecting the upper portions of each pair of legs and projecting at one end outwardly beyond said legs, a bench top bolted to horizontal flanges on each of said sheet metal clamps, a pair of bars extending upwardly at an angle, one at each end of said bench, means connecting the lower ends of said bars to said legs and means connecting the midportions of said bars to said horizontal cross supports, a back member pivoted intermediate its width to said pair of bars at their upper ends whereby said back is pivotable from a substantially vertical position on said bars to a horizontal position, and means carried by each back for interlocking it with the back of the other of said pair of benches in contiguous and juxtaposed horizontal position to form a substantially continuous table top with the seats disposed below and parallel to an outside edge of the table top.

2,481,936
DEVICE FOR HOLDING AND SETTING JOINTER KNIVES
Maxwell A. Lord, Denver, Colo.
Application May 16, 1947, Serial No. 748,432
1 Claim. (Cl. 51—218)



A device for use in sharpening jointer knives comprising: an elongated frame block; feet extending oppositely outward from the extremities of said frame block, the bottom surface of said frame block and said feet being co-extensive; a forwardly and downwardly inclined forward surface on said frame block; an upwardly and forwardly extending projecting ledge extending longitudinally along the lower edge of said inclined surface at right angles thereto, there being a longitudinal groove between said ledge and said inclined surface; a clamping bar extending along said inclined surface; a longitudinally extending flange along said clamping bar projecting into said groove; clamp screws extending through said clamping bar and into said frame block for clamping said clamping bar against a jointer knife lying on said inclined surface; and adjusting screws threaded through said ledge, said screws lying in the plane of said jointer knife so as to contact the lower edge thereof, said flange being notched for the said passage of said screws.

2,481,937
MAGNETIC TESTING SYSTEM
Morris L. Mages, Chicago, Ill., assignor to Magnaflux Corporation, Chicago, Ill., a corporation of Delaware
Application June 21, 1943, Serial No. 491,598
8 Claims. (Cl. 175—335)

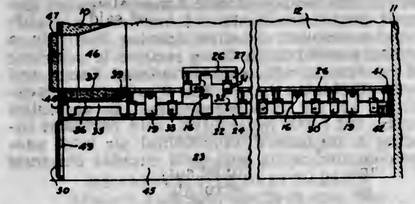


1. A magnetizing circuit comprising a transformer having a high voltage primary circuit arranged to be connected to a source of alternating current and a low voltage secondary circuit, a rectifier in said secondary circuit having an output circuit for supplying unidirectional current, coil means in the output circuit of said rectifier arranged to magnetize an object, interrupting means for interrupting said primary circuit and said rectifier output circuit in successive order to effect a rapid current decay in said output circuit and redistribute the magnetic flux in said object.

8. In the method of detecting flaws in a magnetizable object by the use of a magnetizing coil wound thereabout, the steps of causing current flow through said coil to magnetize said object, causing said current flow to decrease in value at a relatively slow rate for a predetermined period of time, and then suddenly interrupting said current flow to generate eddy currents in the said object and to redistribute the magnetic flux therein.

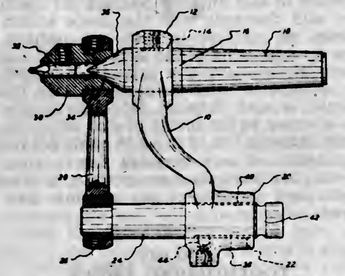
2,481,938
ROCKING BAR GRATE AND SUPPORTING MEANS THEREFOR
Earle C. Miller, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application December 10, 1945, Serial No. 633,914
4 Claims. (Cl. 126—180)

1. A grate comprising a pair of spaced parallel beams each of inverted T cross sections uniform throughout its length and with an upwardly extending flange, bearings spaced along the tops of the beams and projecting above the same, the bearings having slots in their lower ends to receive the beam flanges and upwardly open notches extending at right angles with the slots,



grate bars extending transversely of the beams, the bars having trunnions on their ends which rest in the said notches, and stationary grate members mounted on the beams and overlying the bearings and trunnions.

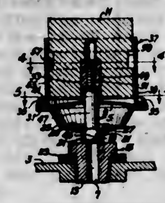
2,481,939
COMBINATION CENTER AND CENTER DRILL
Raphael W. Miller, Jackson, Mich.
Application July 13, 1945, Serial No. 604,800
2 Claims. (Cl. 77—18)



1. A combination center drill holder for lathe tail-stock centers comprising, with a lathe center, a bracket member having a bore opening through one end receiving the lathe center, means securing the center in the opening with the bracket member extending substantially radially, said bracket member having a second bore opening through the extending end with its axis parallel with the center receiving bore, a shaft axially slidable endwise and rotatably supported in the second bore, an arm secured to and extending radially at the outer end of said shaft, a chuck carried by said arm and spaced from the shaft to center with the tail-stock center and provided with a conical opening to receive and center upon the tail-stock center, and means swingably and slidably retaining the shaft in the bore of the bracket member whereby the arm can be swung angularly to raise and lower the chuck and can be moved backwardly and forwardly to seat and unseat the conical opening of the chuck upon the point of the lathe center when the chuck is in a raised and aligned relation.

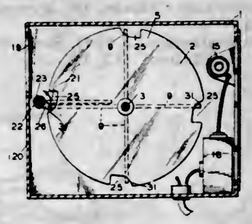
2,481,940
VALVE
John O. Moorhead, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application June 18, 1947, Serial No. 755,351
13 Claims. (Cl. 236—62)

1. A valve comprising a a valve seat intermediate an inlet and an outlet, a snap-acting thermostatic plate, a peripheral support for said plate, a tubular retainer detachably coupled to said support for peripherally retaining the plate removably assembled with the support, a valve member movable toward and away from said



valve seat and having a stem extending through the plate into said retainer, means on said stem engageable by the plate to move the stem and valve member upward, and a weight disposed in said retainer and coupled to said stem to bias said valve member downward.

2,481,941
ROTATABLE DISPLAY SIGN WITH SHUTTER
Richard Newten Morton, Yakima, Wash.
Application January 5, 1948, Serial No. 551
7 Claims. (Cl. 40—33)

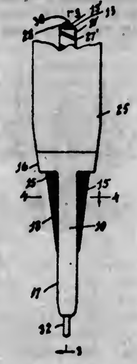


1. A display sign comprising a housing, a display window in said housing, a shaft in said housing, means on said shaft for supporting radially disposed signs thereon, means for intermittently rotating said shaft to move one of said signs in line with said window, a shutter in said housing and pivotally mounted along one edge adjacent one edge of said window, means for biasing said shutter to a position away from said window to expose the sign in line with said window, a cam on said shaft, and a cam follower connected with said shutter to move said shutter to window covering position while said shaft is rotating to move another sign in line with said window, said cam being designed to free said follower to permit the operation of said shutter biasing means upon alignment of a sign with said window.

2,481,942
MECHANICAL PENCIL
Lucifer J. Most, Morris County, N. J.
Application September 12, 1947, Serial No. 773,619
8 Claims. (Cl. 120—18)

4. A lead actuating mechanism for a mechanical pencil comprising, a tip having a lead outlet and a tapered bore above the outlet, a truncated driver knurled on its tapered periphery revolubly mounted in the tapered bore, said tip having lateral openings giving access to the knurled surface of the driver, a plug coupled to the tip above the driver to prevent longitudinal movement of the driver in the tip and a lead guiding mechanism including a tubular helix and

a tubular slotted guide coupled to the plug and driver respectively, said plug extending above



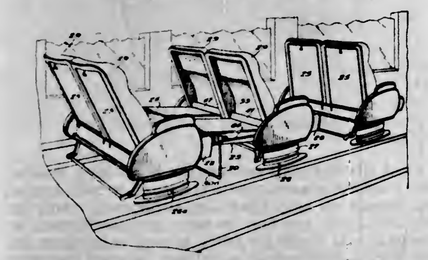
the tip to connect it firmly to an end of a pencil barrel.

2,481,943

SEAT AND LEG REST ARRANGEMENT

Frank L. Murphy and Carl H. Apel, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application September 28, 1944, Serial No. 556,134
11 Claims. (Cl. 155—8)



6. A chaise longue combination comprising a pair of seats spaced apart and arranged in tandem, a seat portion and a back rest for each seat, the forward back rest having an elongated recess in the back face thereof extending substantially throughout the height and width of the back rest, a foot and leg rest, means pivotally mounting the foot and leg rest with respect to the forward back rest adjacent to the bottom of the recess so that the foot and leg rest can be moved from a closed, inoperative position in the recess to an open, operative position where it extends rearwardly from the forward back rest to a position closely adjacent to the forward edge of the seat portion of the second seat, the foot and leg rest substantially filling the recess when disposed in closed, inoperative position, and means supporting the foot and leg rest in operative position.

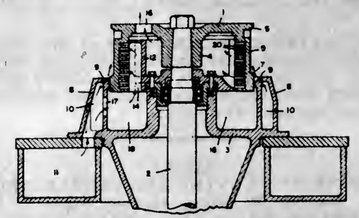
2,481,944

AIR-COOLED BLOCK

Norman H. Nye, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio

Application June 2, 1945, Serial No. 597,209
1 Claim. (Cl. 205—20)

A rotatably mounted block including a hub portion and an annular flange extending from said hub portion with its axis aligned therewith, a base, means rotatably mounting said block on said base, and means for cooling said block comprising a plurality of annular ribs secured to the inner circumference of said flange at spaced distances longitudinally thereof forming a plurality of closed circular channels opening inwardly, a stationary annular partition secured to said base and concentric with said cylindrical flange and effectively closing the opening of said channels except for an air inlet passage and an air outlet opening set forth hereinafter, said partition including a stationary longitudinal air inlet passage communicating with said circular channels



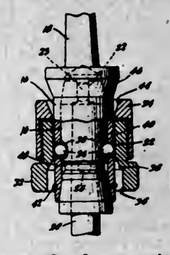
and a longitudinal air outlet opening diametrically opposed to said air inlet passage for communicating said channels with the space within said partition, an opening in said hub portion, and means for supplying air to said air inlet passage, whereby air will flow through said air inlet passage, in opposite directions about said circular channels, to and through said longitudinal air outlet opening to the inside of said partition, and exhaust through the opening in said hub portion, the rotation of said annular flange past said stationary air inlet passage continually changing the entrance locality of air passing into said channels.

2,481,945

TOOLHOLDING CHUCK

Alfred A. Panyard, Detroit, Mich., assignor to Springfield Detail & Machine Parts, Detroit, Mich., a copartnership composed of Hamilton Aldridge and Keith Aldridge

Application October 30, 1944, Serial No. 560,956
8 Claims. (Cl. 279—82)



1. A tool holding chuck comprising, in combination, a chuck body having a tool shank receiving socket and a sleeve engaging abutment exteriorly of the body, a tool shank element receivable within said socket, locking balls mounted within openings in the wall of said socket axially spaced from said abutment and having a diameter to project beyond the inner and outer surfaces of the socket, said tool shank element recessed to receive said locking balls to lock the tool shank to the chuck body, an extensible locking sleeve formed of two threadedly relatively telescopically coupled sleeve parts rotatably and slidably surrounding the body between the abutment and the locking balls, one part of said sleeve having one tapered inner surface portion adapted to engage said balls to urge them into the recessed portion of the shank element and having another inner surface portion relieved to receive said balls to permit withdrawal thereof from the recessed shank element, the other part of said sleeve adapted when said sleeve is extended to engage the abutment of the chuck body to urge the balls toward the recessed shank element.

2,481,946

RETAINER FOR SPECTACLES

Eleanor E. Pendleton, St. Louis, Mo.

Application April 17, 1948, Serial No. 21,689
3 Claims. (Cl. 88—51)



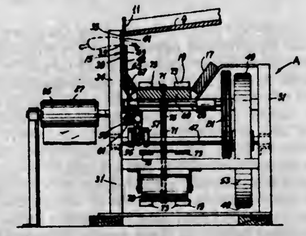
3. A removable spectacle retainer for spectacles having a lens frame and temple bars extending backwardly therefrom to extend over the ears of the wearer and thereby to support the spectacles, the retainer comprising an elongated element of ribbon and chain-like flexibility, two separate socket elements of gum rubber-like elasticity, and means attaching one end of each socket element to one end of the flexible element with the other end open and projecting outwardly from the flexible element, for resilient expansion and engagement over the ends of the temple bars of the spectacles, the retainer having a length substantially greater than the distance from the ears around the back of the human head and sufficient to enable the spectacles to be put into use, taken off freely, and be suspended from the neck of the wearer when taken from the head, the means attaching each of the socket elements comprising a rigid ferrule embracing the adjacent ends of the flexible elements and the socket elements.

2,481,947

CORN-CLIPPING APPARATUS

Eftim P. Philkoff, Tulsa, Okla.

Application April 19, 1946, Serial No. 663,256
2 Claims. (Cl. 146—84)



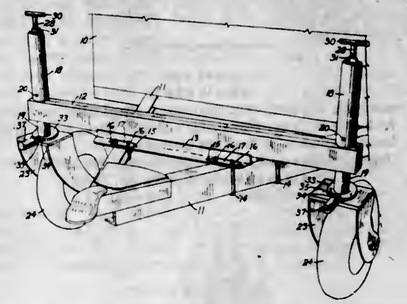
1. Apparatus for clipping off the ends of ears of corn, comprising an elongate horizontal cutter plate having a horizontal row of apertures therein, an elongate cutter bar mounted for reciprocation on one side of said plate, cutting blades projecting from said bar, each blade cooperating shearwise with the edge of one of the apertures in the plate for shearing off an end of an ear of corn inserted through said aperture, a longitudinal conveyor disposed under said plate on said one side thereof and extending the length of said plate for conveying the cut off waste ends of the ears to one end thereof, a transverse conveyor at said end of the plate adapted to receive the waste from said longitudinal conveyor and convey it to a point of disposal, a second longitudinal conveyor on the other side of said plate and extending the length thereof for conveying the cut ears of corn to the other end thereof, and drive means for reciprocating said cutter bar and driving all of said conveyors.

2,481,948

TONGUE-SUPPORTING DOLLY

George Pruitt, Arvada, Colo.

Application February 20, 1948, Serial No. 9,863
1 Claim. (Cl. 280—61)



A dolly for supporting the tongue of a trailer, comprising: a cross beam; means for attaching said cross beam to said tongue so that said cross beam will project laterally from both sides thereof; two guide tubes, there being one guide tube extending through said cross beam and upwardly therefrom adjacent each extremity thereof; a wheel post rotatably mounted in each guide tube and extending downwardly therefrom; a wheel yoke mounted on the lower extremity of each wheel post; a caster wheel rotatably mounted in each wheel yoke; a compression spring positioned in the upper portion of each guide tube and absorbing the upthrust of said post; a thrust sleeve surrounding each wheel post within each guide tube; means for preventing rotation of said thrust sleeve, yet allowing vertical movement thereof; an eccentric cam member mounted on the lower extremity of each thrust sleeve, the axis of eccentricity being positioned normally rearward of said posts; braking means carried by said wheel yokes; and springs urging said braking means into contact with said eccentric cam member for resisting rotation of said wheel yokes, with reference to said thrust sleeves.

2,481,949

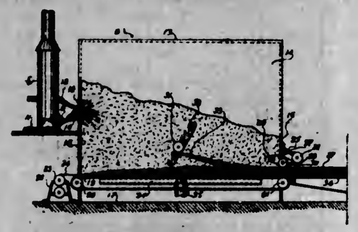
METHOD AND APPARATUS FOR THE PRODUCTION OF FELTED ROCK WOOL

Charles D. Richardson, Anderson, Ind.

Application December 2, 1946, Serial No. 713,488
11 Claims. (Cl. 154—29)

1. In the production of rock wool products, the method consisting of continuously passing material through a sequence of steps consisting of

first melting rock wool material, then steam projecting the melted material to reduce the same to a fibrous state and spraying a binder into the projected material for delivery into a blow and mixing chamber, moving foraminous elements in spaced relation to each other through said chamber with the fibrous material settling and compacting thereon and therebetween to form a rock wool sheet, moving the sheet through a curing oven and finally delivering the sheet to cutting devices to form rock wool products of desired dimensions.



2,481,950
BLOWPIPE
Frederick Rosenberg, London, England, assignor to Suffolk Iron Foundry (1920) Ltd., Stowmarket, England, a British company
Application July 12, 1944, Serial No. 544,528
In Great Britain July 29, 1943
11 Claims. (Cl. 158—27.4)



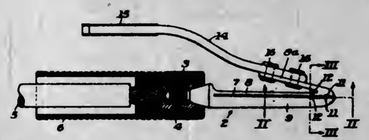
1. In a blowpipe of the kind employing at least two gases for producing a combustible mixture, the combination of a handle socket having means defining separate gas inlet passages therein and a gas mixing nozzle secured to said handle socket, said mixing nozzle having internal wall surfaces defining a frusto-conical gas-mixing chamber, a gas outlet orifice in axial alignment with and forming a continuation of the smaller diameter end of said chamber, a first series of ducts leading from one of said gas inlet passages to the larger diameter end wall of said frusto-conical mixing chamber, and a second series of ducts leading from another of said gas inlet passages to said larger diameter end wall of said mixing chamber, the ducts of one series being inclined with respect to the common axis of the mixing chamber and the outlet orifice and so oriented as to direct each of the separate streams of gas flowing therefrom on to different points of the convergent wall surface of said mixing chamber for deflection thereby towards and through said outlet orifice and the ducts of the other series being similarly inclined but in a mutually opposite direction with respect to said common axis and so oriented as to direct each of the further separate streams of gas flowing therefrom on to further different points of said convergent wall surface for deflection thereby towards and through said outlet orifice so that the respective streams from said two series of ducts are caused to cross and intermingle.

2,481,951
METHOD OF MAKING TUBULAR PLASTIC ARTICLES
Reinhardt N. Sabee, Detroit, and Charles S. White, Dearborn, Mich., assignors of one-fifth to said Sabee, one-fifth to Francis A. Grady, Detroit, Mich., three-tenths to Charles F. Meroni, Evanston, Ill., one-fifth to Vernon S. Lilly, Detroit, Mich., and one-tenth to Frank A. Grady
Original application January 29, 1945, Serial No. 575,116. Divided and this application February 14, 1945, Serial No. 577,792
2 Claims. (Cl. 154—94)



1. In a method of making a plastic article, the steps of electrolytically depositing, on a rod-like cathode, metal in such arrangement as to ultimately constitute a part of an electrical circuit in the article, removing the cathode with the deposit thereon from the electrolyte, forming a tubular sleeve of plastic against the deposit on the cathode and thereafter stripping the deposit by means of said sleeve from the cathode.

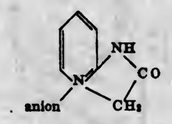
2,481,952
WELDING ELECTRODE HOLDER
Daniel M. Schwartz, Pittsburgh, and William B. McLean, Coraopolis Heights, Pa.
Application June 8, 1945, Serial No. 598,280
27 Claims. (Cl. 219—8)



1. An electrode holder including two jaws provided with means for establishing connection to an electric conductor and adapted to carry welding current to a welding electrode engaged by the jaws, said jaws being resilient in a direction transverse to their longitudinal axes for resiliently clamping the engaged electrode between them and characterized by being constituted principally of copper to provide for an effective conduction of welding current and alloyed with beryllium to offset the inherent ductility of the copper and induce the required inherent resilience, one of said resilient jaws being of less cross sectional area than the other and being flexible relatively thereto to facilitate spreading the jaws for introduction and removal of electrodes, and a jaw-flexing handle rigidly carried by the more flexible jaw.

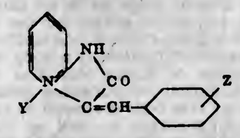
2,481,953
CYANINE DYESTUFFS AND PROCESS OF MAKING SAME
George Schwarz, Williamstown, Mass., assignor to The Gevaert Company of America, Inc., Williamstown, Mass.
No Drawing. Application October 25, 1944, Serial No. 560,255
11 Claims. (Cl. 260—240)

7. The process of producing dyestuffs which comprises condensing a quaternary cyclammonium salt constituted according to the formula



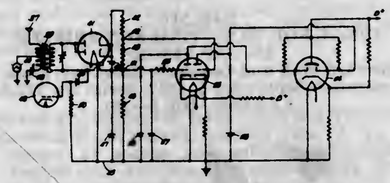
with a derivative of benzaldehyde substituted in the benzene nucleus by at least one radical selected from the group consisting of hydroxy, alkoxy and dialkylamino.

8. As new dyestuffs, the compounds constituted according to the general formula



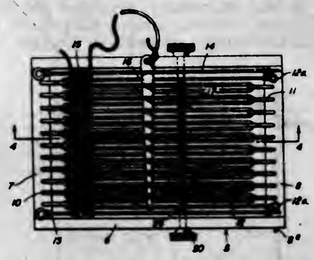
wherein Y is an anion and Z stands for at least one radical selected from the group consisting of hydroxy, alkoxy and dialkylamino.

2,481,954
INDICATOR CIRCUIT FOR A BALANCING NETWORK
Harry M. Simons, Langhorne, Pa., assignor to Gage B. Ellis, Langhorne, Pa.
Application January 4, 1946, Serial No. 639,122
1 Claim. (Cl. 177—311)



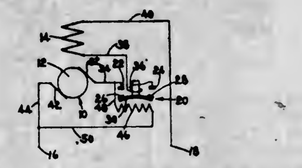
In an electrical system wherein it is desired to produce a condition of balance or predetermined unbalance, a balancing transformer across whose secondary winding a voltage is produced in response to an unbalanced condition, a diode rectifier and a load circuit therefor connected to said secondary winding, said diode having a heater element, a grounded conductor, means connecting said heater element to said conductor, a resistor and shunt condenser connected between said load circuit and said conductor, means for deriving a voltage from said load circuit, means for deriving a second voltage of different magnitude from said resistor and shunt condenser, a twin-indicator tube, and means for utilizing said derived voltages to actuate said indicator tube.

2,481,955
HAND LOOM
Karl L. Simons, Somerville, N. J., assignor of one-half to George H. Forrest, Somerville, N. J.
Application May 28, 1948, Serial No. 29,779
4 Claims. (Cl. 139—33)



1. A hand loom comprising a frame including side frame members and end frame members, one of said end frame members being fixed, means pivotally connecting the other end frame member to the side frame members for inward swinging movement, warp attaching means carried by the end frame members to normally hold parallel warp threads taut in the frame, said warp threads being slacked by the inward swinging movement of the pivoted end frame member, and a combined heddle and comb for the warp threads, comprising a shaft rockably and slidably mounted in the side frame members and including a central crank portion, a warp engaging comb carried by said crank portion, and means holding the shaft in a rockably and slidably adjusted position in the frame comprising a spring frictionally holding the shaft in the frame.

2,481,956
ELECTRIC MOTOR PROTECTIVE CIRCUIT CONTROL
Elmer C. Slaughter, Grand Rapids, Mich., assignor to Lear, Inc., Grand Rapids, Mich., a corporation of Illinois
Application August 2, 1946, Serial No. 688,155
4 Claims. (Cl. 318—558)

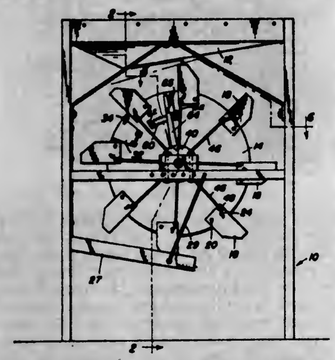


1. In combination with an electric motor having a rotor, a source of electric power, a circuit connecting said source to said rotor including a thermal switch, first heater means having a continuous shunt connection with respect to said rotor for actuating said switch, and second heater means arranged to be placed in series connection with said rotor upon closure of said switch, said switch being under the control of either of said heaters.

2,481,957
GRAIN TREATING MACHINE
John F. Stokes, Alexandria, Minn.
Application October 28, 1948, Serial No. 57,044
2 Claims. (Cl. 259—180)

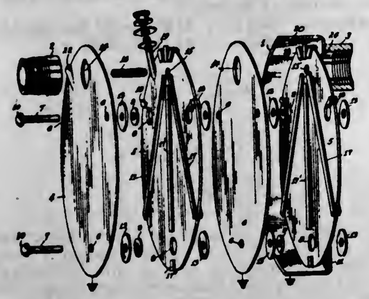
1. In a grain treating machine, a supporting structure, a hopper mounted on said supporting

structure, a drum for the reception of dust rotatively mounted on the supporting structure beneath the hopper, said drum having peripheral ports for the discharge of the dust, means on said drum engageable by grain flowing from said hopper for rotating said drum, mechanical means carried by said supporting structure for regulating said drum rotating means, said drum rotating means including a plurality of buckets, means



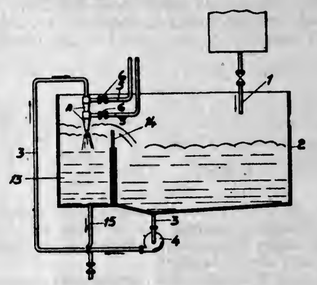
pivotally mounting said buckets on said drum over said ports, a rod carried by said supporting structure mounting said drum, said mechanical means including a hub mounted on said rod, arms pivoted to said hub and said buckets for simultaneously pivotally adjusting said buckets, and means carried by said drum and said hub for locking said hub in selected positions with relation to said drum.

2,481,958
FLUID HEATER
Carlos Videche, San Jose, Costa Rica
Application April 9, 1948, Serial No. 20,073
5 Claims. (Cl. 219—40)



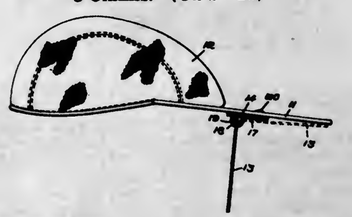
1. An electrical fluid heater of the fluid-in-circuit type comprising a housing, a plurality of spaced apart plate electrodes in said housing, alternate plates being connected together to ground and the remaining plates adapted to be connected to a source of electrical energy, a fluid inlet in said housing, a fluid outlet therefor, and means intermediate adjacent plates for directing the fluid to be heated therebetween and in contact with substantially the entire surface area of said plates, said means causing said fluid to move over the plate surfaces in a direction substantially radial to its initial point of contact with said surfaces.

2,481,959
METHOD OF PRODUCING A SUSPENSION OF FIBROUS MATERIAL
Bengt Gustaf Wåhlin, Kramfors, Sweden, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden
Application December 21, 1945, Serial No. 636,488
In Sweden January 11, 1945
1 Claim. (Cl. 261—36)



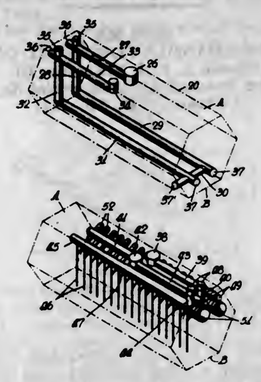
Method of producing a stream of foamy suspension of fibrous material in an aqueous liquid containing a foaming agent, for use in forming highly porous fibrous boards and similar products, which comprises establishing a body of an aqueous suspension of fibers including a foaming agent, continuously withdrawing from adjacent the bottom of said body a stream of said suspension, imparting rotary as well as translational motion to said stream, subjecting the rotating stream to an intense agitation in the presence of air by repeatedly constricting said stream and expanding the same in the presence of air, whereby air is introduced into said stream, jetting the resulting intensely agitated and foamy stream through air into said body of said suspension, continuously withdrawing foamy suspension from said body while the same is maintained in agitated foamy condition by said jetted stream, and continuously adding fresh aqueous suspension of fibers including a foaming agent to said body to maintain the latter.

2,481,960
HINGE FOR MOUNTING SUN SHIELDS ON CAP VISORS
Howard Wall and Leo Wall, Brookline, Mass.
Application September 5, 1947, Serial No. 772,448
3 Claims. (Cl. 2—10)



1. Devices for pivotally connecting a sun shield to a cap visor, comprising a spring plate disposed against the underside of the visor, a clamp plate having a flat portion juxtaposed to the spring plate and a curved portion spaced from the spring plate, a pivot rod rotatably mounted between said curved portion of the clamp plate and said spring plate, the ends of the rod projecting beyond the sides of the clamp plate, said projecting ends having slits, a sun shield having corner portions received and retained in said slits, and fastening means passing through both clamp plates and the visor for securing the plates to each other and to the visor.

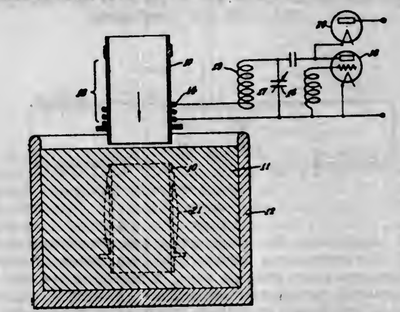
2,481,961
HEATING AND HARDENING BURNER
Bert G. Ward, Jr., Chicago, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1945, Serial No. 587,146
5 Claims. (Cl. 158—27.4)



1. A burner body comprising a metal block having opposed side faces, top and bottom faces and end faces, the top face having inlets for fuel gas, oxygen and water, and an outlet for the water, all grouped approximately midway between the ends of the top face, a fuel gas passage and an oxygen passage each extending substantially the full length of said block adjacent to the top face, a row of gas mixture outlet passages leading to said bottom face and each having a branch leading to said fuel gas passage and a branch leading to said oxygen passage, a pair of water passages adjacent to said bottom face and upon opposite sides of said outlet passages, means connecting said water passages in series to said water inlet and said water outlet, and means connecting said oxygen and fuel passages in parallel to said oxygen and fuel gas inlets.

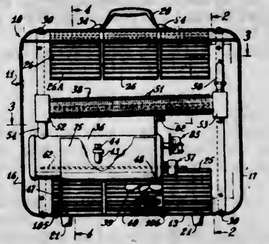
2,481,962
MANUFACTURE OF LAMINATED ARTICLES
Marshall G. Whitfield, Garden City, N. Y., assignor, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y., a corporation of Maryland
Application February 29, 1944, Serial No. 524,395
5 Claims. (Cl. 117—51)

1. A method of coating a metal surface article with a compatible dissimilar metal, which comprises introducing that portion of the article to be coated into a high frequency electric field to thereby heat said portion to a temperature at least as high as the melting point of said dissimilar metal and to a predetermined depth substantially less than the thickness of the article at that point while the remainder of the article remains at a temperature substantially lower than said first named temperature, forthwith contacting said dissimilar metal and said heated portion of the article at a temperature inducing mutual solution coaction between the surface metal of the article and said dissimilar metal, the volume and temperature of said remainder of said article in comparison with the volume and temperature of said heated portion of the article being such as to immediately arrest said coaction by cooling said portion by abstraction of heat therefrom and from the molten metal over-



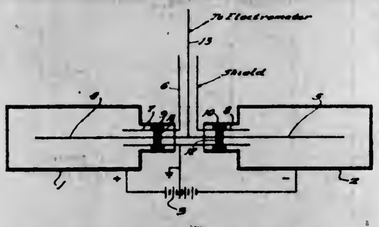
lying the same by conduction into the said low temperature remainder of the article to thereby provide a layer of said dissimilar metal bonded to said article, and then separating the resulting unitary composite metal-to-metal structure of said article and said dissimilar metal layer from any remaining molten metal.

2,481,963
ELECTRICALLY HEATED FAN-RADIATOR APPARATUS
Samuel A. Witte, William W. Wittle, Philip W. Wittle, and Nicholas Witte, Chicago, Ill.
Application February 27, 1946, Serial No. 650,532
10 Claims. (Cl. 219—39)



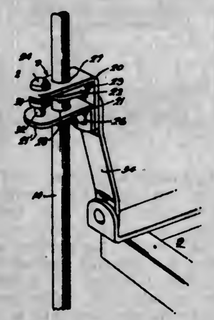
1. In a space heater a heating unit comprising a steam boiler, an electrical heating element operatively associated with said boiler, a heat exchange element operatively connected with and supported by said boiler, supporting legs for said boiler extending downwardly therefrom, an electrically operated circulating fan mounted on and carried by one of said legs, baffle means carried by said legs and extended beneath at least a portion of said boiler, a pressure responsive actuator carried by and operatively associated with said boiler, a pair of adjustable switch operating members carried by said pressure responsive actuator, a pair of switches carried by said actuator and operatively related to the respective operating members, and means affording energizing circuits for said fan and said heating element including said switches in parallel, a casing having inlet and outlet openings formed therein and having at least one removable wall, said heating unit being movable into or out of said casing when said wall is removed, and means securing said unit in position within said casing.

2,481,964
FAST NEUTRON METER
Ernest O. Wollan, Chicago, Ill.
Application October 12, 1944, Serial No. 558,421
9 Claims. (Cl. 250—83.6)



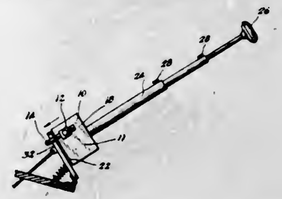
1. Apparatus for measuring neutron intensity and discriminating between the ionization effects of neutrons and gamma rays, comprising two differentially connected ionization chambers, each of said ionization chambers having two electrodes, a first pair of corresponding electrodes of said ionization chambers being connected together and to an output terminal, each one of the second pair of corresponding electrodes of said chambers being respectively connected to opposite polarity terminals of a voltage source, one of said chambers containing a gas comprising an element having an atomic weight not greater than 4 and the other containing a gas consisting only of elements which have an atomic weight greater than 4, both of said chambers having substantially equal response to gamma rays.

2,481,965
ADJUSTABLE CRIB BOTTOM
Edward E. Woller, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a corporation of Delaware
Application April 14, 1947, Serial No. 741,190
4 Claims. (Cl. 5—11)



4. In a crib of the class described, the combination with a rectangular frame having a vertically-disposed rod fixed at each corner thereof, of a crib bottom, a member shiftable lengthwise on each of said rods, each of said members comprising a pair of angle plates one arm of each angle plate being apertured to receive one of said rods, the plates of each pair being secured together in nested relationship with the apertured arms spaced apart and the apertures therein alined, a cramping ring hinged between said spaced arms with the aperture in said ring alined with the apertures in said arms, a button having an annular groove formed therein and slidably mounted on said spaced arms so that the end of said cramping ring opposite said hinge is received in said groove, a spring normally urging said button to shift said cramping ring into cramping engagement with said post, a piece of channel-shaped metal bent to form a U whereby the legs of said U are adapted to fit over the edges of said spaced apertured arms to provide a removable housing for said member, and a link pivoted at one end to a corner of said crib bottom and at the other end to a pair of said nested angle plates.

2,481,966
OPERATING HANDLE FOR PEDAL CONTROL
Harold L. Zivi, Evanston, Ill.
Application January 31, 1947, Serial No. 725,666
2 Claims. (Cl. 74—481)



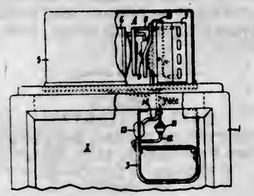
1. A device of the class described comprising a body member, a strap secured to the upper portion of said body member, said strap being adjustable to engage over pedals varying in size, means permanently secured to the lower portion of said body member, said means being faced with frictional material to prevent lateral displacement of said body member and an elongated member secured to and extending from said body member and at an angle thereto said elongated member being adjustable to any desired length.

2,481,967
LAPPING TOOL
Charles E. Archer, Birmingham, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application March 13, 1947, Serial No. 734,410
4 Claims. (Cl. 51—184.3)



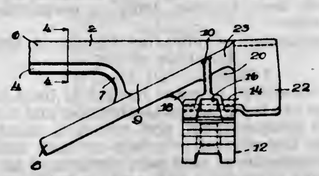
1. In a radially expandible abrading device of the type which is expanded or contracted in response to relative axial movement between its parts, the combination comprising a mandrel having an elongated body portion of suitable cross-sectional area to permit said mandrel to be slidably keyed in a tool support, said mandrel also having a projecting end portion in the form of an elongated wedge with laterally concave and longitudinally inclined surfaces formed by diametrically opposed mutually inclined grooves in the shape of secantial cylindrical segments, abrasive holding shoes having surfaces adapted for complemental and abutting engagement with said surfaces of said grooves, abrading elements carried by said holding shoes near their outermost ends and bonded thereto, said abrading elements being in the form of cylindrical segments of uniform thickness, and adjusting rods recessed in said body portion of said mandrel and rigidly attached to said holding shoes adjacent the innermost ends thereof, said rods having bent ends engageable by said tool support.

2,481,968
REFRIGERANT FLOW CONTROLLING DEVICE
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 10, 1946, Serial No. 689,707
7 Claims. (Cl. 62—127)



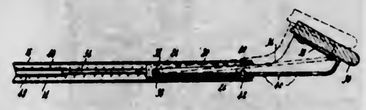
1. In a refrigerating system, an evaporator, a restricting tube for conducting refrigerant to the evaporator, means for preventing freezing of liquid within said restricting tube including a flow-controlling device between said tube and said evaporator, said flow-controlling device including a flexible diaphragm having an opening therein, and a movable closure member for said opening adapted to engage said diaphragm, said closure member being biased to maintain a pressure on the liquid in said restricting tube sufficient to prevent freezing therein.

2,481,969
TRUSS TYPE BRAKE BEAM CASTING
Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 13, 1946. Serial No. 683,453
4 Claims. (Cl. 188—226.1)



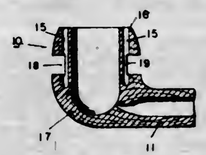
1. A brake beam comprising a single casting including a T-section compression member having a front substantially vertical web forming the head of the T and a rear substantially horizontal web forming the leg of the T, the outboard extremity of said front web extending arcuately forward of the intermediate portion of the front web, a diagonal tension member merging with the forward extremity of said front web and extending outboardly thereof to merge with the rear web, a brake head having a rear wall merging with the tension member, a front wall angularly related to the rear wall, a guide lug merging with the outboard margins of the tension member and the front wall, and gussets connecting the front wall to the tension member inboardly and outboardly of the rear wall, the outboard gusset merging with the lug.

2,481,970
HORIZONTALLY ADJUSTABLE FOOTRAIL
Alfred B. Bell, Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 29, 1945, Serial No. 625,132
6 Claims. (Cl. 155—170)



1. An adjustable foot rail for the pedestals of vehicle seats and the like, comprising a horizontal track mounted on a pedestal in a front to rear direction, a carriage adapted to travel a limited distance on said track, spring means pressing said carriage toward the rear, a bracket hinged to said carriage and projecting rearwardly therefrom, said bracket having a series of holes longitudinally spaced in the bottom thereof, an upstanding pin mounted on said track near the rear end thereof and adapted to enter any of said holes to lock the carriage against movement, and a foot rail secured to the rear end of said bracket, said bracket being rockable about its hinge axis to release itself from said pin.

2,481,971
SMOKING PIPE
Joseph S. Beeneck, Nanticoke, Pa.
Application September 25, 1947, Serial No. 775,983
4 Claims. (Cl. 131—195)

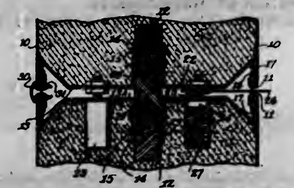


4. A tobacco pipe bowl having a plurality of holes formed in its side wall which extend vertically from the rim of the bowl into the base thereof and terminate in blind bottom ends, the bowl being further provided with an outwardly opening circumferential groove formed in the mid-section of its side wall, the depth of said groove being such as to cut across the vertically disposed holes for a portion of the length thereof and said groove being provided with a series of vertically disposed flutes extending across the bottom thereof.

2,481,972
MEANS FOR JOINING ELEMENTS OF SECTIONAL CABINETS
Chester A. Betts, Portland, Oreg.
Application July 11, 1945, Serial No. 604,423
4 Claims. (Cl. 189—36)

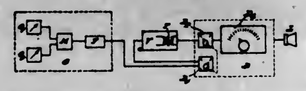
1. A joint for refrigeration cabinet sections consisting of a longitudinal spacer strip, gaskets disposed along opposite edges of said strip, a breaker strip against each gasket, said breaker strips and spacer strip occupying the same plane, channels having their innermost legs secured to said breaker strips, and extending along said spacer strip, the outermost leg of each of said channels turning in the opposite direction than does said innermost leg, panels of metal forming the interior and exterior covering for the sections, each panel having an inturned edge adapted to

engage the outermost leg of each of said channels, bolts passing through adjacent channels and nuts on said bolts engaging a pair of said channels and projecting into a space between adjacent



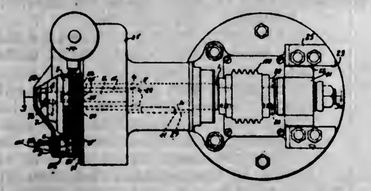
panels so that said nuts are adapted to be turned through the space between adjacent edges of said channels and a molding occupying the space between the edges of said channels.

2,481,973
AUDIOMETER
Lourens Blok, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 2, 1946, Serial No. 666,911
In the Netherlands August 14, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 14, 1961
4 Claims. (Cl. 179—1)



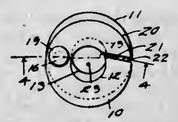
1. An audiometer comprising a generator for producing alternating voltages within the audio frequency range, an amplifier coupled to said generator for amplifying said alternating voltages, said amplifier including an inductive output impedance having a laminated iron core, a reproducing device coupled to said impedance to derive therefrom the amplified alternating voltages, an adjustable attenuator for controlling the magnitude of the amplified alternating voltages supplied to said device, means connecting a portion of said attenuator between said generator and said amplifier to reduce the production of parasitic noises by said impedance, and means connecting the remaining portion of said attenuator between said amplifier and said device to control the magnitude of voltage supplied to said device.

2,481,974
MACHINE FOR HOBBING GEARS
John A. Bradner, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1946, Serial No. 671,290
14 Claims. (Cl. 90—4)



1. The combination with a periodically actuatable motor-driven hobbing machine comprising a driving motor, a longitudinally adjustable arbor, a hob carried by said arbor, thrust means adapted, when actuated, to exert a longitudinal adjustment effort upon said arbor, of locking means normally adapted to hold the arbor against longitudinal movement in either direction, motor-means, means automatically operable responsive to periodic stopping of said machine to effect activation of said motor means, transmission means adapted to transmit movements communicated from said motor in sequence to said locking means and to said thrust means to sequentially disable said locking means to free said arbor for longitudinal adjustment and to progressively shift the longitudinal position of said freed arbor, and means automatically operable responsive to a predetermined degree of arbor shifting movement to restore said locking means to effect re-locking of said arbor, and to disable said motor.

2,481,975
BAIT RETRIEVER
Richard Preston Brooks, Longview, Tex.
Application February 9, 1948, Serial No. 7,101
6 Claims. (Cl. 43—30)



6. A bait retriever comprising a pair of washer-like members pivotally connected for movement relative to each other in substantially parallel planes and having slots through the walls thereof offset circumferentially relative to the pivot and each other and disposed out of alignment when the members are in alignment and in alignment when the members are out of alignment.

2,481,976
ALLOY
Arthur T. Cape, Canton, Ohio, assignor to Coast Metals, Inc., Canton, Ohio, a corporation of Delaware
No Drawing. Application January 6, 1949, Serial No. 69,627
3 Claims. (Cl. 75—171)

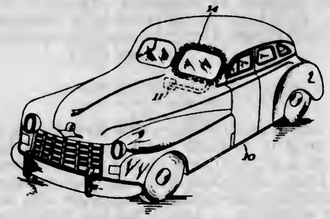
1. A structural element having at least a part which in use is subjected to abrasion and wear at elevated temperatures, and which is capable of resisting the corrosive action of lead oxide at those temperatures, said part comprising an alloy containing more than 35% and up to 70% nickel, more than 25% but less than 40% chromium, more than 4% but less than 9% tungsten, cobalt in amounts up to 12%, and from 1% to 3.5% carbon, the balance of the alloy being iron, but the iron being not in excess of 10%, and the nickel being always in excess of the chromium.

2,481,977
METAL PROTECTIVE COATING METHOD
Lionel Cinamon, New York, N. Y.
No Drawing. Application May 19, 1945, Serial No. 594,795
4 Claims. (Cl. 117—127)

4. Process of rust inhibiting a metal which comprises: pickling the metal; washing the pickled metal; and subjecting said metal, after such cleaning, to the action of an aqueous solution comprising essentially, in combination, from ½ to about 8 oz. per gallon of:

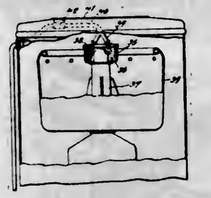
	Approximate parts
Tetra sodium pyrophosphate	10
Sodium meta silicate	4
Tri sodium phosphate	2

2,481,978
AUTOMOBILE RADIO COUPLER AND METHOD OF COMMUNICATION
Joseph B. Clough, Cleveland Heights, Ohio
Application January 22, 1947, Serial No. 723,593
5 Claims. (Cl. 250—33)



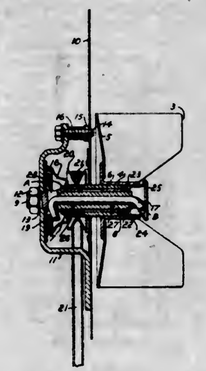
2. A vehicular radio receiving system comprising in combination with a vehicle having a metallic body with a windshield opening therein, a radio receiver having a pair of radio-frequency input terminals, and a coupler comprising a coil of wire with a pair of ends, each connected to one of said receiver terminals, said coupler being mounted substantially parallel to the windshield in proximity to each of the edges of the windshield opening for inductively coupling the receiver to the metal body of the vehicle.

2,481,979
FILTERING DEVICE FOR CLOTHES-WASHING MACHINES
Russell H. Colley, Westport, Conn.
Application April 5, 1947, Serial No. 739,576
5 Claims. (Cl. 68—18)



1. The combination with a machine for cleaning articles with a fluid and provided with a receptacle for the articles to be cleaned and an agitator arranged to oscillate within the receptacle, of a filter mounted adjacent the upper end of the agitator and secured thereto so as to move with the agitator as the latter oscillates, said filter comprising a generally cup-shaped member of perforated construction and including a lower wall and a continuous side wall which extends upwardly from the lower wall, means comprising a conduit for withdrawing a stream of fluid from the receptacle during the cleaning operation, and means for supporting the exit end of the conduit so as to direct the stream of fluid against the inner surface of the side wall at less than a right angle to such wall.

2,481,980
AIR CIRCULATING BLOWER
Arthur R. Constantine, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application October 18, 1947, Serial No. 780,709
4 Claims. (Cl. 230—207)



1. In a blower having a housing for directing air circulation of said blower, a support shaft supported outside said housing and extending into said housing, a tubular member carrying said rotatable member and extending over said shaft and having an end thereof sealed, a sharp edge oil slinging portion on said tubular member on the end thereof extending outside said housing, an oil reservoir surrounding said sharp edged portion, a wick extending through a hollow central portion of said shaft from said reservoir to contact said sealing member at a point away from the center of rotation of said tubular member whereby oil circulation from said reservoir through said wick to the outer end of said shaft adjacent said tubular member is induced on rotation of said tubular member and oil returning to said sharp edge oil slinging portion is returned to said reservoir on rotation of said tubular member.

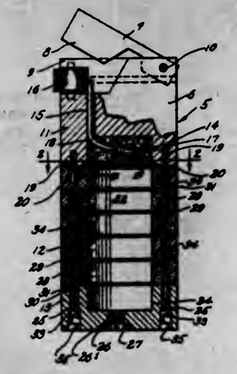
2,481,981
STABLE HIGH REACTIVITY PARAFORMALDEHYDE
Robert Lee Craven, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1948, Serial No. 34,831
5 Claims. (Cl. 260—340)

1. Paraformaldehyde containing, as an agent for controlling and stabilizing polymer reactivity, 0.1% to 10% of a substance taken from the group consisting of hydantoin, monomethyl hydantoin, dimethyl hydantoin, and N-methylol derivatives of hydantoin, monomethyl hydantoin, and dimethyl hydantoin.

2,481,982
CIGARETTE LIGHTER
Robert E. Deadwyler, Seattle, Wash.
Application March 18, 1947, Serial No. 735,306
2 Claims. (Cl. 67—7.1)

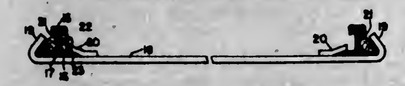
1. In a cigarette lighter including a wick, a flint and a striking wheel, the improvement comprising a hollow housing operatively mounting said wick, flint and wheel and providing a fuel vapor receptacle, said receptacle being formed

with a bottom opening, a screen carried by said housing across said opening, a body of absorbent material carried in said receptacle and retained therein by said screen, a fuel reservoir, said reservoir comprising a casing open at its upper end, said casing comprising a plurality of superposed pairs of unlike laminations, a lamination of each



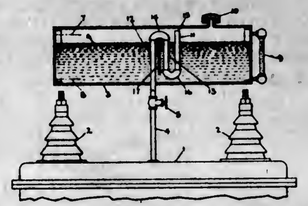
pair being relatively thick and transparent, the other lamination of each pair being relatively thin and substantially opaque whereby to provide ornamental gauge markings on said reservoir, and spaced bolts extending through all of said pairs of laminations for connecting the same together and to said housing.

2,481,983
RAILWAY CROSSTIE
Joseph Dell, Windber, Pa.
Application March 31, 1948, Serial No. 18,235
1 Claim. (Cl. 238—238)



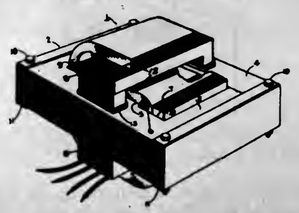
A cross-tie adapted for use at rail joints on a mine railway or the like for clamping the rails and for securing together the abutting ends of a pair of rails comprising an elongated body member having abutments formed on each end, a pair of rail clamps rigidly secured to said body member, each spaced inwardly of one of said abutments in position to engage the inside flange of a rail mounted between the abutments and the clamps, a fishplate rigidly secured to one of said clamps, said plate having a spaced pair of fish bolts rigidly secured thereto and positioned to be received in corresponding aligned openings in the abutting ends of a pair of rails mounted between the clamp carrying the fishplate and its corresponding abutment, said fishplate being spaced from opposing abutment a sufficient distance to permit the jointed rails to be moved laterally to disengage them from the fish bolts; and wedges adapted to be inserted and driven between the rail webs and the abutments for holding the rails in tight engagement with the clamps with the fish bolts received in the openings in the abutting ends of the pair of rails and with the outer ends of the fish bolts pressed against the wedge when the bases of the abutting rails are wedged in their clamped position, whereby the rails will be held securely on the body member and the abutting ends of the pair of rails will be securely held together.

2,481,984
SIPHON
André J. Deniau, Paris, France, assignor to General Electric Company, a corporation of New York
Application October 19, 1946, Serial No. 704,329
In France October 9, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1963
1 Claim. (Cl. 137—20)



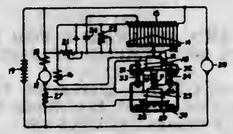
The combination with a liquid container whose liquid level is variable between top and bottom levels of a self-limiting siphon for withdrawing liquid from said container, said siphon comprising a conduit extending from below the bottom of said container to above the top liquid level of said container, a second conduit connected at one end to the top of the first conduit and extending down into said liquid below the bottom level thereof, a third conduit connected at its lower end to the lower end of said second conduit and extending above the top liquid level, said third conduit being opened at the top, a quantity of said liquid normally partially filling said second and third conduit, and a fourth conduit of smaller effective cross section than said first conduit connected between an opening in said second conduit and a point in said container below the bottom liquid level therein.

2,481,985
HIGH REACTANCE TRANSFORMER
Charles E. Derbyshire, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 15, 1949, Serial No. 71,055
2 Claims. (Cl. 171—119)



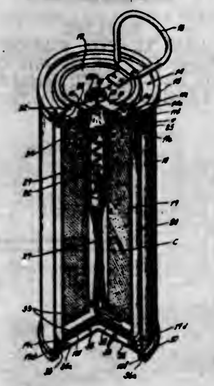
2. A high reactance transformer comprising, in combination, a low reluctance magnetic core constructed of a plurality of stacked E and I shaped laminations, clamping means cooperating with said core so as to hold said laminations in fixed relationship to one another, a primary coil mounted on the central leg of said core, a secondary coil mounted on said central leg and concentric with said primary coil, magnetic shunt members constructed of a plurality of stacked L shaped laminations having the foot of contiguous L laminations alternately oriented at opposite ends of the body of said L shaped laminations, said shunt members located between said concentric primary and secondary coils and separating said coils one from the other, said shunt members providing a low reluctance flux path so that a portion of the flux induced in said primary coil passes through said shunt members and does not link said primary and said secondary coils together, said shunt members being parallel to and secured on opposite sides of said central leg of said core and lying in a plane perpendicular to the plane established by said legs of said core.

2,481,986
STABILIZING CIRCUIT
George I. Dutton, North East, and Roy E. Fountain, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application October 22, 1948, Serial No. 55,902
8 Claims. (Cl. 322—24)



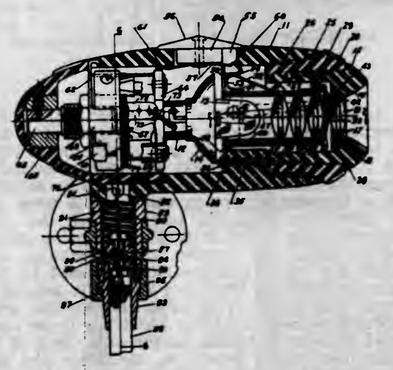
1. In an electrical control apparatus, a dynamic type main control element having a moveable coil arranged to move in a magnetic field produced by a field coil, a regulating resistance divided into sections, a contact member for successively short-circuiting said sections responsive to movement of said moveable coil, means including a source of potential and a controlled winding adapted to be effected by short-circuiting of said resistance sections for voltage regulation, and means including a connection from said last-mentioned winding to said moveable coil through a compounding resistance having a rectifier in parallel therewith for stabilizing the operation of said moveable coil responsive to current changes in said controlled winding.

2,481,987
EMERGENCY SIGNALING DEVICE
Martin Dwyer, Hewlett Harbor, N. Y.
Application November 29, 1944, Serial No. 565,672
4 Claims. (Cl. 102—37.8)



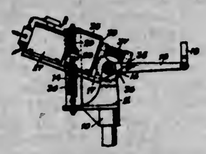
1. In a device of the character described, an outer container, an inner container for combustible signalling compound, said inner container having imperforate sides and one imperforate reentrant end and one perforated reentrant end, an apertured cup-like member adjacent one end of said outer container, said member having a portion adapted to fit into the said perforated reentrant end of said inner container and center the latter, said perforated reentrant end of said inner container serving to permit free and voluminous escape therethrough of products of combustion developed by said combustible compound upon its being burned within said inner container, a covering member closing said one end of said outer container, means providing a hermetic seal between said covering member and said outer container, said covering member having an opening, a removable member normally hermetically closing said last-named opening, means secured to said outer container and extending into said imperforate reentrant end of said inner container for centering this latter end of said inner container, a second covering member closing the opposite end of said outer container and means forming a hermetic seal between said sconed covering member and said outer container whereby the contents of said outer container are hermetically sealed therein.

2,481,988
LIGHT PROJECTING DEVICE
Paul F. Early, Dayton, Ohio, assignor to Standard-Thomson Corporation, a corporation of Delaware
Application November 4, 1944, Serial No. 561,855
3 Claims. (Cl. 240—41)



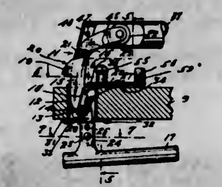
1. A light projecting device comprising a tubular body member having an internal screw thread adjacent one end thereof and having means to support a lamp, a tubular lens supporting member extending into and spaced from the threaded portion of said body member and having an external screw thread, a lens carried by said supporting member, an annular adjusting device arranged between said members and having exterior and internal screw threads engaging the threads of the respective members, a tubular member supported in said tubular structure in line with said lamp and extending into said tubular lens supporting member and having in that end thereof adjacent said lens a relatively small light opening in axial alinement with said lens, and a plurality of collecting lenses arranged in said tubular element to concentrate the light rays from said lamp and transmit the same through said opening to the first mentioned lens.

2,481,989
MOTOR CONTROL
William Barton Eddison, Irvington, N. Y., assignor to Burnham Corporation, a corporation of New York
Application November 1, 1946, Serial No. 707,147
3 Claims. (Cl. 172—36)



1. A motor mounting including a fixed support, a shaft in said support, a base pivoted on said shaft, a motor on said base, and spring means on said fixed support yieldingly positioning said motor in a level position.

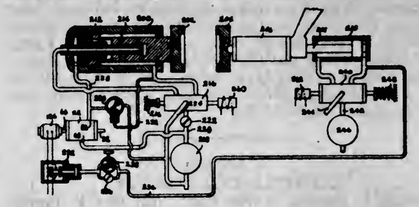
2,481,990
DOOR LATCH
John C. Ehrke, Le Center, Minn.
Application July 10, 1946, Serial No. 682,517
5 Claims. (Cl. 292—123)



1. In a latch of the class described, a hinge member applicable to the inner side of a door, a hand bar pivoted at one of its end portions to the hinge member for movement toward or from the door, a cylinder adapted to be mounted in a transverse bore in the door, a lever and a latch bar extending into the cylinder from opposite sides of the door, said lever being pivoted at its inner end portion to the cylinder, said latch bar being intermediately pivoted to turn independently of the lever about the axis of its pivot, said lever, at its outer end portion, being slidably connected to the hand bar to be operated thereby, a handle on the outer end of the latch bar, and a detent on the inner end portion thereof, a spring yieldingly holding the latch bar with its detent projected, said lever, when operated by movement of the hand bar toward the door, engaging the latch bar and moving the same therewith to retract the detent.

2,481,991
HYDRAULIC CIRCUIT
Walter Ernst, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application November 26, 1945, Serial No. 630,758
13 Claims. (Cl. 18—30)

13. In a molding press; a clamping motor and an extrusion motor; means of supplying actuating fluid to said clamping motor and also to said extrusion motor; a fluid pressure converter serially connected with said clamping motor and selectively operable to receive the supply to said clamping motor and to rediscarge it to said motor at augmented pressure; and means responsive to a predetermined pressure acting on said extrusion motor for making said converter effective and for maintaining said converter in effective operation for a predetermined period after the predetermined pressure is reduced.

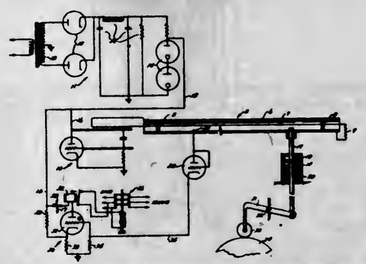


2,481,992
METHOD AND APPARATUS FOR CONTINUOUS RUN TREATMENT OF SHEET MATERIALS
Earl J. Fisher, Clarksville, Va.
Application February 23, 1945, Serial No. 579,472
9 Claims. (Cl. 242—55)



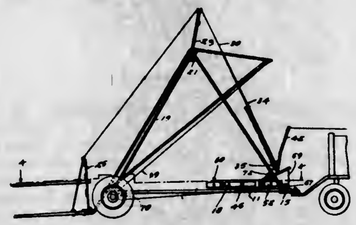
8. In a continuous run method of processing and treating flexible textile or sheet material, the steps of providing a roll of flexible sheet material wherein the core portion only of the roll is rolled in a double web portion to leave one free end ply extending for a predetermined distance around the core of the roll, which consists in processing the material as it is unrolled from the roll while under desired tension and continuing the unrolling and processing thereof until the double ply portion is reached, and then splicing the free end of the free end ply as it is unrolled to the outer end of another roll while continuing the unrolling and processing of the first roll.

2,481,993
ELECTRONIC GAUGE
William H. Fuss, Osborn, Ohio
Application May 19, 1947, Serial No. 749,110
4 Claims. (Cl. 175—320)



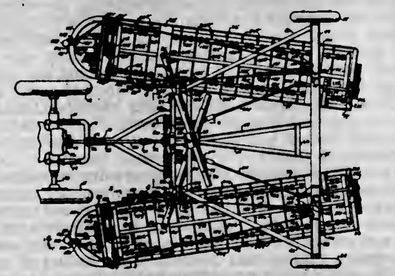
1. An electronic gauge comprising a transmission line including parallel conductors, terminating in its characteristic impedance and substantially free from reflections, means for supplying constant high frequency energy to said transmission line, means controlled by a part to be gauged to create voltage standing waves in said transmission line, means for converting said standing wave voltage into direct current voltage, a device to be operated, means including a relay for actuating said device, and means controlled by said direct current voltage for energizing said relay when said standing wave voltage is of a predetermined value.

2,481,994
HAY STACKER AND LOADER
Raymond M. Ginder, Salina, Kans., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans., a corporation of Kansas
Application October 18, 1945, Serial No. 623,067
5 Claims. (Cl. 214—140)



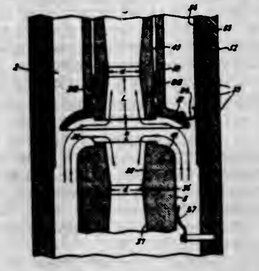
1. In a hay stacker and loader, a mobile frame, a swingable sweep carried by said frame, a flexible elevating cable for said sweep, a flexible sweep releasing cable, fluid operated means for elevating said sweep, a rock lever adjacent said means, said elevating cable connected at one end to said lever, spring-pressed means connected between said lever and said releasing cable whereby to resiliently hold said sweep in horizontal loading position, and releasable latch means carried by said lever engaging said spring-pressed means for locking said sweep in horizontal loading position said fluid operated means upon actuation thereof to sweep elevating position rocking said lever downwardly to thereby raise the tip of the sweep.

2,481,995
CENTER DELIVERY RAKE
Fred O. Godley, Charlotte, N. C., assignor, by mesne assignments, to Sperry Corporation, New York, N. Y., a corporation of Delaware
Application October 24, 1947, Serial No. 781,947
6 Claims. (Cl. 56—27)



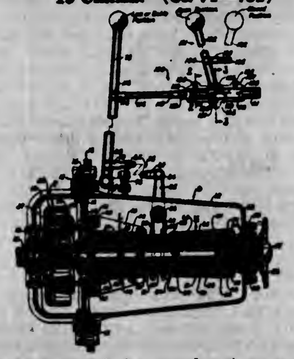
1. A hay rake comprising a main frame having supporting wheels at each side of the rear end of the main frame and having a supporting wheel near the front end of the main frame, a draw bar pivotally secured to the front end of the main frame and having means for attaching the same to a prime mover, a driven shaft in the main frame, a pair of reel frames suspended on vertical pivot points from the main frame at their rear ends and having a ground wheel at their front ends, unitary means mounted on the main frame and having connection with the rear end of each reel frame and with the ground wheel at the front end of each frame and with the front end of the reel frame itself for vertically adjusting the position of the reel frames relative to the ground, a pair of adjustable means pivotally mounted on the front end of the main frame and extending outwardly in divergent directions and having their outer ends pivotally connected to the front portions of the reel frames for adjusting the position of the front end of the reel frames inwardly and outwardly relative to the longitudinal axis of the main frame, a rotary reel mounted in each of the reel frames, means driven by the driven shaft for imparting rotation to the reels, the means for imparting rotation to the reels comprising a pair of parallel shafts driven by the driven shaft, a second pair of parallel shafts on the rear ends of the reel frames, a driving connection between the first and second pairs of parallel shafts, and a driving connection between the second pair of parallel shafts and the reels.

2,481,996
AIR BLAST CIRCUIT BREAKER
Friedrich Grünewald, Manchester, and Eric McEwan Dakin, Ashton-under-Lyne, England, assignors to Ferguson Pailin Limited, Manchester, England, a British company
Application April 2, 1945, Serial No. 586,216
In Great Britain April 22, 1944
7 Claims. (Cl. 200—148)



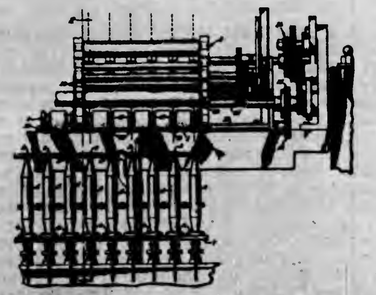
1. In a fluid blast electric circuit interrupter comprising an arcing chamber, a pair of relatively movable interrupting contacts mounted in said chamber, a source of fluid under pressure, means for supplying fluid from said source to said chamber, a fluid motor associated with one of said contacts to cause relative separation of said contacts when fluid under pressure is supplied to said chamber, each of said contacts being hollow and arranged so as to define a pair of nozzles of converging-diverging section through which fluid from said chamber may flow upon separation of said contacts, the converging part of each nozzle having an axial length at least equal to the diameter of its throat, and the area of the entrance to each nozzle being at least 1.14 times its throat area so that the gas pressure in each nozzle entrance is at least 40% higher than in each throat.

2,481,897
TRANSMISSION
Paul V. Haigh and Winthrop S. Horton, South Bend, Ind., assignors to Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 18, 1945, Serial No. 605,732
13 Claims. (Cl. 74—781)



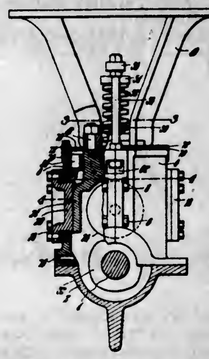
1. In a transmission, a planetary gear system comprising three elements, namely, a sun gear, a ring gear, and a planet carrier having pinions meshing with said sun and said ring gears, a drive shaft connected to one of said elements, a driven shaft fixedly connected to a second of said elements, brake means including a coil spring having one end fixed to the third element of said planetary gear system operable for holding said third element stationary to effect a ratio drive from one of said shafts to the other shaft, clutch means between said second and third elements of said planetary gear system including a coil spring having one end fixed to said third element and operable for connecting said second and third elements together to effect direct drive from one of said shafts to the other shaft, said first brake means being operable by torque flow in one direction through said planetary gear mechanism, and said clutch means being operable by torque flow in the other direction through said planetary gear mechanism.

2,481,998
ANTIMARRIAGE ROLLER
Cornelius Herbert Harrigan, Ridgewood, N. J., assignor to John H. Hays, Morristown, N. J.
Original application October 21, 1946, Serial No. 704,696. Divided and this application March 24, 1948, Serial No. 16,793
5 Claims. (Cl. 57—106)



1. An anti-marriage device for preventing entanglement of adjacent strands of roving in spinning machines comprising, a pair of contacting rollers, one of said rollers having a plurality of annular grooves spaced along its length, said grooves and said other roller together forming passageways through which strands of roving may pass.

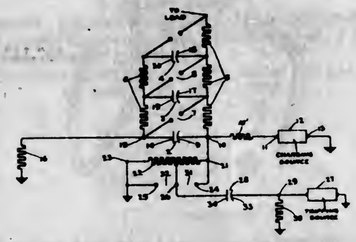
2,481,999
MECHANISM FOR VIBRATING DIAPHRAGMS OF PULP SCREENS
Millard F. Hayes, Hudson Falls, N. Y., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y., a corporation of New York
Application April 7, 1945, Serial No. 587,133
1 Claim. (Cl. 74—26)



The combination of a bridgetree provided with bearings having a shaft rotatable therein carrying a cam and having a well between said bearings in which said cam is located and which is open at its upper side with mechanism for vertically vibrating the diaphragm of a pulp screen comprising, half-housings extending upwardly from said bridgetree having contiguous inner side faces secured together in sealed relation, said half-housings formed to provide a vertical chamber over and in communication with said well and having side-walls provided with openings therethrough, guide members secured to said half-housings having parts extending through said openings and into said chamber and provided with spaced vertically extending inner faces disposed in said chamber, a crosshead in said chamber provided with a spring socket in its upper side, opposite outer side faces of said crosshead and said inner faces of the guide members provided with coacting guide means to permit vertical reciprocation of the crosshead in the chamber and prevent relative twisting movements thereof, a roller journalled in the lower portion of said crosshead in engagement with said cam, a flexible sealing member at the upper side of said half-housing and crosshead having an opening over said spring socket secured thereto and closing the upper end of said chamber, means securing said sealing member to said crosshead, spring means acting in the upper side of said crosshead disposed outside said chamber above the sealing member resisting upward movements of the crosshead, and a member over said sealing member secured to the upper side of said crosshead adapted for connecting to a diaphragm of a screen thereabove, each inner face of the guide member and of the crosshead including a pair of longitudinally extending flat surfaces arranged in the form of a V, and said vertical chamber and well providing a compartment for lubricant in

which said cam, roller and crosshead are disposed and closed by said sealing member.

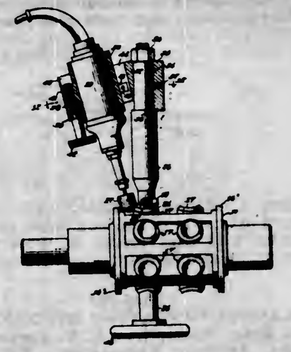
2,482,000
IMPULSE GENERATOR
Francis B. Headley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 13, 1948, Serial No. 65,047
9 Claims. (Cl. 171—97)



9. In combination: a high voltage impulse generator of the Marx type having an input charging terminal and a source of charging potential connected to said input terminal, said generator having an output charging terminal connected to ground through a resistor; a circuit for initiating the discharge of said generator including: a resistor having one terminal connected to said input terminal and the other terminal connected to ground, a pair of spaced electrodes, one of said electrodes connected to said input terminal and the other of said electrodes connected to ground, at least one additional electrode connected to the midpoint of said resistor, said additional electrode located electrically between and spaced approximately equally from said pair of electrodes such that electrical conduction will occur between said additional electrode and said pair of electrodes when the potential between said additional electrode and at least one electrode of said pair of electrodes is appreciably greater than one-half the potential of said charging source, a tripping unit, at least two pairs of spaced electrodes, said additional electrode having one electrode of the first of said pairs of electrodes connected thereto, the other electrode of said first pair and an electrode of the second of said pairs connected together and connected to ground through a resistor, said tripping unit having the other electrode of said second pair connected thereto, said tripping unit providing an additional potential to said additional electrode, and the polarity of this tripping unit output potential being opposite to the input potential of the charging source.

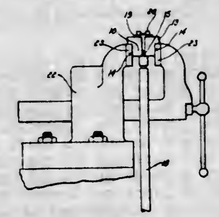
2,482,001
DIE EDGE GRINDING APPARATUS
John W. Hewitt, Jr., Neenah, Wis.
Application July 16, 1946, Serial No. 683,894
6 Claims. (Cl. 51—241)

1. Die edge forming means comprising in combination a support adapted to mount therein, an axially bored die blank having an annular bevel edge in the arc of a circle, a tool post rotatable and axially movable in the die blank bore, a bevel grinding tool supported on said post for movement therewith, means for operating said tool against the bevel of the blank, and guide means on said post in contact with the cutting edge of the blank for shifting said post and grinding tool axially of the die in conformity with the profile



of the cutting edge as the tool is moved circumferentially relative to the die.

2,482,002
WORK HOLDER FOR MOUNTING BETWEEN JAWS OF A VISE TO SUPPORT OR CLAMP A WORKPIECE
Samuel Erwin W. Hoenes, East Hempstead, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application March 24, 1945, Serial No. 584,652
2 Claims. (Cl. 81—39)

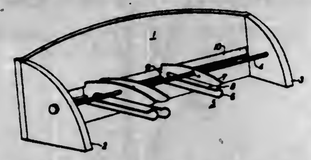


1. A holder comprising a hollow body open at one end and provided with an apertured wall partially closing its opposite end, a pair of opposed, parallel exterior surfaces terminating in spaced relation to the open end of the body, a pair of flanges located above said parallel surfaces and projecting outwardly from the body in opposite directions, said body having an internal longitudinal groove formed in a body wall and extending parallel to and medially between said surfaces, and a longitudinal slot extending entirely through a body wall diametrically opposite said groove to provide spaced faces parallel with said surfaces, said slot extending across and bisecting the aforesaid end wall to terminate in communication with said groove.

2,482,003
NECKTIE HOLDER OR RACK
Dorothy B. Kauffman, Cleveland, Ohio
Application July 1, 1946, Serial No. 680,741
4 Claims. (Cl. 211—87)

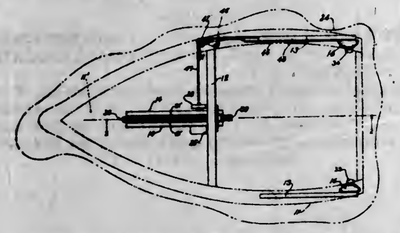
4. In a tie-rack, the combination comprising a vertical base member having a pair of outstanding arms, a horizontal rod supported by said arms, a recess in said base member, and a unitary element supported by said rod and constructed of a single piece of flat material and having a head part provided with an aperture to receive said

rod and a lower jaw part providing with said head part a horizontal opening to receive and hold a neck-tie, said element having a posterior part integral with said head and jaw parts and



including a rider of restricted width forming a rearward extension of the said posterior part and extending into said recess to limit rotational movement of said element about said rod.

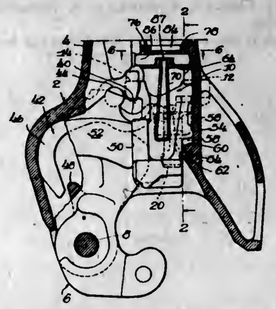
2,482,004
CANOPY OPERATING MECHANISM
Carl C. King, Massapequa, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application September 27, 1944, Serial No. 555,970
16 Claims. (Cl. 244—121)



1. The combination with the fuselage of an aircraft and a canopy to reciprocate relative thereto, of tracks fixed to the fuselage, rollers carried by the canopy for operation on said tracks, a motor and associated drive organized and arranged to reciprocate the canopy relative to the fuselage, manual means carried by the canopy for the reciprocation thereof relative to the fuselage entirely independent of said motor and drive, and means for rendering said motor and drive inoperative upon and during the reciprocation of the canopy by said manual means.

2,482,005
COUPLER
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 16, 1943, Serial No. 494,945
10 Claims. (Cl. 213—159)

1. In a car coupler, the combination of a coupler head, a knuckle, a lock, a lifter, a rotor, and a knuckle thrower operable in said head, said knuckle thrower having an operating arm, said lifter having cam means adjacent its forward end and being rotatable to raise said lock by engagement of said means with the forward end of said lock and said lifter being further rotatable to engage said arm and operate said knuckle thrower for movement of said knuckle, said lock having trunnion means at its rear end substantially the entire mass of said lock being disposed upwardly of said trunnion means in lockset position, whereby the impact of coupling imparts a maximum falling impulse to rotate said lock from lockset position to normal locked position, the tail of said knuckle having a wedge surface for engagement with the adjacent portion of said lock as the latter moves to locked position, and resilient means bearing against a portion of said coupler head and against said lock to facilitate the movement thereof to locked position, said resilient means being in the form of a torsion spring having a coil intermediate its ends, said spring being interlocked at one end thereof with

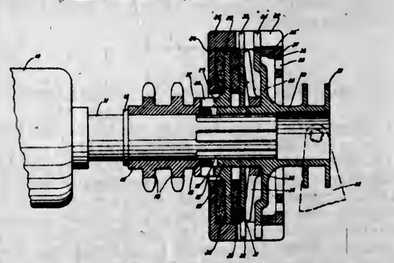


means on said coupler head and said spring being in abutment at its opposite end with said lock, a retaining member formed within said coupler head and overlying said coil, and a rib within said coupler head and engaged with one end of said spring, the opposite end of said spring bearing against said lock.

2,482,006
PROCESS FOR PREPARING CADMIUM SULFOSELENIDE PIGMENTS
Francois Kertesz, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1946, Serial No. 705,814
1 Claim. (Cl. 106—301)

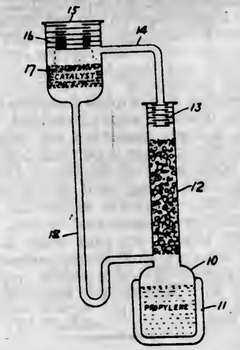
In a process for the production of a cadmium sulfoselenide pigment in which batch ingredients containing cadmium sulfide, cadmium oxide and selenium are calcined to produce said pigment, the step which comprises mixing with said batch ingredients, prior to calcination, between 1% and 4% by weight of a barium compound taken from the group consisting of barium carbonate and barium peroxide.

2,482,007
CLUTCH MECHANISM
Carl C. King, Massapequa, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application April 20, 1945, Serial No. 589,403
11 Claims. (Cl. 192—53)



11. The combination with a driving shaft, of a driven hub freely mounted on said shaft, a supporting and connecting member slidably mounted on said shaft for rotation therewith, a clutch disk freely mounted on said supporting and connecting member, a releasable connection between said disk and said driven hub, and adjustable connection between said disk and the supporting and connecting member whereby they may rotate in unison.

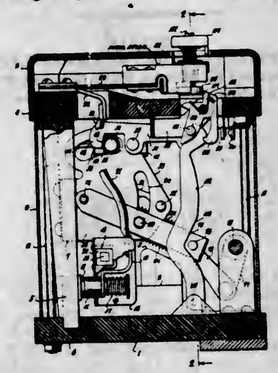
2,482,008
PROCESS FOR POLYMERIZATION OF PROPYLENE
Eugene V. Kleber, Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
Application September 2, 1944, Serial No. 552,493
1 Claim. (Cl. 260—683.15)



A continuous process for the dimerization of propylene with the production of tetramethyl ethylene and involving recycling of unpolymerized propylene, comprising continuously vaporizing propylene from a liquid phase body of said propylene under conditions within 10° C. of but below the critical temperature of said propylene, fractionating the vapors thus produced to separate from said vapors material of higher boiling point than said propylene, thereafter condensing said propylene vapors, flowing the propylene condensate thus produced in a single pass through a bed of activated clay at a rate to maintain the contact time between 1 and 20 seconds and to restrict dimerization of said propylene to less than 10% of the propylene passing through said bed, and without further contact of the resulting mixture with said activated clay combining said mixture with said original body of propylene for revaporization and recycling of unpolymerized propylene while avoiding recontact of dimer product with said catalyst.

2,482,009
SWITCH CONSTRUCTION
Edwin A. Link, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original application June 2, 1944, Serial No. 538,365. Divided and this application January 4, 1947, Serial No. 720,145
2 Claims. (Cl. 200—116)

2. In a circuit breaker having two switch means, a switch operating means for simultaneously operating both said switch means to open and close two electric lines, a pair of electrical overload means, a pair of auxiliary latch elements respectively controlled by said overload means, spring means for causing opening of said two switch means, a main latch element, and a latch bar controlling the action of said spring means through the agency of said main latch element and normally engaged and restrained by each auxiliary latch element, said pair of electrical overload means being respectively connected in said lines



for causing disengagement of said auxiliary latch elements from said latch bar to release said spring means, said latch bar being pivoted intermediate its ends and each auxiliary latch element having a portion effective when such auxiliary latch element is tripped to positively rock said latch bar and cause its disengagement from the other auxiliary latch element.

2,482,010
PLATFORM SHOE AND PROCESS OF MAKING THE SAME
Nathan J. Lissak, Brockton, Mass.
Application July 3, 1948, Serial No. 36,873
8 Claims. (Cl. 36—19.5)



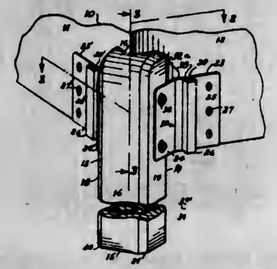
1. A platform shoe comprising an insole, an upper lasted thereto, a forepart platform having a covered edge with oppositely disposed tabs at the ball line, a wedge wood heel overlapping the rear end of the forepart platform, a lockstitch seam attaching the said platform and also the forward end of the wood heel to the shoe bottom, the said tabs being folded inwardly over the corners of the wood heel, and an outsole cemented to the platform and heel.

2,482,011
PRODUCTION OF CELLULOSE ETHERS
James Hutchison MacGregor, Bocking, Braintree, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application February 7, 1946, Serial No. 646,193. In Great Britain March 9, 1945
4 Claims. (Cl. 260—23)

1. The steps in the process for the production of a range of acetone-insoluble cyanoethyl ethers of cellulose which comprises mixing together viscose containing from 6% to 25% of caustic soda and from 0.5 to about 12 mols of acrylonitrile per anhydroglucose unit present in the cellulose of

the viscose at a temperature between ordinary room temperature and about 40° C. and allowing the liquid mixture to remain at said temperature for about 3 to about 5 hours in order to effect a reaction between the acrylonitrile and the sodium cellulose xanthate in the viscose.

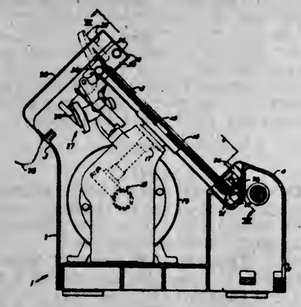
2,482,012
SUPPORTING DETACHABLE LEG
Theodore K. Marks, Philadelphia, Pa.
Application November 7, 1945, Serial No. 627,147
7 Claims. (Cl. 248—151)



1. A detachable leg for a device to be supported above the floor, said leg having its inner surface grooved to conform to the outer surface of the region of the device where said leg is to be attached, two elements formed of resilient sheet metal, each secured to the leg to one side of the grooved surface and extending beyond the grooved surface, each of said elements having a U-shaped vertical portion at its free end.

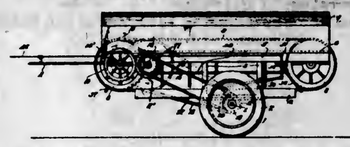
2. A corner construction for a device to be supported by detachable legs, two elements formed of resilient sheet metal, each secured to the outer surface of one of the adjoining sides formed by the corner, each of said elements having a U-shaped vertical portion in parallel spaced relation to the corner.

2,482,013
SLICING MACHINE
Charles O. Marshall, Jr., Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application February 16, 1946, Serial No. 648,106
3 Claims. (Cl. 146—102)



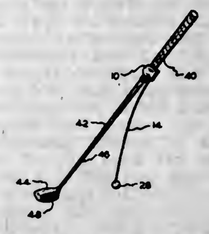
1. In a slicing machine having a rotary knife, a thickness gauge plate, a commodity tray reciprocable along said gauge plate and past said knife and slice deflecting and receiving members located at the side of said gauge plate opposite from said commodity tray, a bactericidal unit comprising a canopy slidably removable from said slicing machine, said canopy comprising a cover portion extending longitudinally over said gauge plate and a portion of said knife and laterally a short distance on each side of said gauge plate and containing a substantially U-shaped ultra-violet lamp.

2,482,014
WINDROW TRAILER
Forrest E. Maurits, West Point, Nebr.
Application March 25, 1947, Serial No. 737,192
5 Claims. (Cl. 214—83.36)



1. In a machine of the class described, the combination of a primary shaft provided with traction wheels, a body mounted on said primary shaft, a conveyor having a portion traveling over part of said body, a clutch device on said primary shaft, means connecting said clutch device and conveyor, a primary trigger extending from said body, an auxiliary trigger and means mounting said auxiliary trigger on said body, a rod connecting said triggers, and means connecting said triggers and clutch device, whereby movement of said triggers will control the operation of said clutch device.

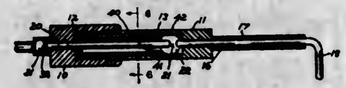
2,482,015
GOLF CLUB ACCESSORY FOR SWING PRACTICE
Howard W. McConnell, Jackson, Mich.
Application November 28, 1947, Serial No. 788,369
3 Claims. (Cl. 273—35)



1. An attachment for golf clubs comprising a housing, clip means associated with said housing to attach said housing to a golf club, a reel mounted in said housing, an aperture defined by said housing, a flexible band wound upon said reel and projecting for a distance through said aperture, said band being more resistant to flexing in one direction than in another, and a weight suspended from the projecting end of said band and suspended for movement with said golf club.

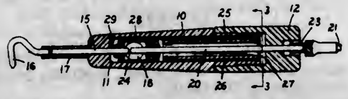
2,482,016
IGNITION TESTER
Charles W. McCoy, Dayton, Ohio
Application March 25, 1946, Serial No. 656,791
11 Claims. (Cl. 175—183)

4. A testing device of the character described comprising, in combination, a pair of hollow body members adapted for adjustable telescoping engagement, electrode means carried by said body members providing a spark gap within said body members adjustable in accordance with relative movement of said body members, means providing an exposed terminal for one of said electrodes, means providing for readily grounding the other of said electrodes, an electrical resistance device adapted for insertion in said hollow body members, terminal means on said resistance adapted upon insertion in said body members for automatic contact with said electrodes in shunt across said gap, and scale means arranged on one of



said body members cooperating with an index marker carried by the other of said body members, said scale means including a single set of indicia calibrated to determine the peak voltage developed across said spark gap with said electrodes adjusted to the maximum gap continuously jumped by a spark with said resistance disconnected and to determine the peak current passing through said resistance device when the resistance device is connected in shunt with said spark gap and with said electrodes adjusted to the maximum gap continuously jumped by a spark.

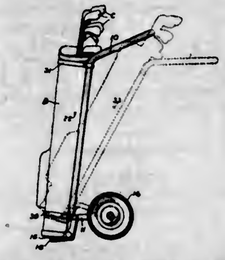
2,482,017
IGNITION TESTER
Charles W. McCoy, Dayton, Ohio
Application March 13, 1947, Serial No. 734,398
12 Claims. (Cl. 175—183)



3. An ignition testing device of the character described comprising a body having a chamber therein open at one end of said body and closed at the other end thereof, a cap adjustably mounted on said open end of said body, an electrode mounted in said body and having one end extending into said chamber adjacent said closed end thereof, a second electrode carried by said cap and adapted to form an adjustable spark gap with said first named electrode in response to relative movement of said body and cap, a transparent cell adapted to be received over said spark gap and having a snug fit with the inner wall of said chamber, an annular electrical resistor mounted in said chamber adjacent said open end thereof in contact with said second electrode, said chamber wall having a groove therein extending lengthwise thereof to provide passage past said cell, a resilient contact member extending from said resistor through said groove into contact with said first electrode to connect said resistor in parallel with said spark gap, and means providing terminals on said cap and body for connecting said device in an ignition circuit.

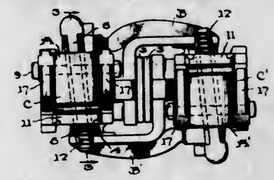
2,482,018
GOLF BAG CART
Robert Louis F. McDonald, Rochester, N. Y., assignor to R. L. McDonald Company, Rochester, N. Y., a firm
Application May 26, 1947, Serial No. 750,389
3 Claims. (Cl. 280—53)

2. A cart for golf bags comprising a rigid base having aligned holes provided at opposite sides thereof and a skirt portion at and secured to one end thereof, wheels on which the base is mounted, a U-shaped tubular handle having legs whose free ends are turned outwardly to engage detachably in the aligned holes of the base and means protruding from said skirt portion of



the base to engage the insides of the legs of the handle, when the handle is in operative position, to prevent retraction of the ends of the handle from the holes in the base until the handle is swung down on the base out of operative position.

2,482,019
COUPLER LOCK
Robert E. McGahey, Alexandria, Va.
Application December 5, 1946, Serial No. 714,345
9 Claims. (Cl. 285—60)

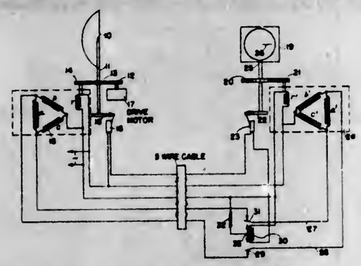


1. A hose coupler comprising a head and a projecting arm adapted to engage, respectively the arm and head of a similar mating coupler, said head having an opening in the upper part thereof and transversely of the head, a locking device slidable in said opening, said locking device comprising a locking bar movable lengthwise of itself and transversely of the head to and from a position with the inner end of the bar projected over the arm of the mating coupler, said bar having an upwardly sloping face on its inner end for wedging engagement with the said projecting arm of the mating coupler, spring pressed means mounted on said head and engaging the upper surface of the inner end of the locking bar to maintain a downward pressure thereon to hold the inner end of the bar in engagement with the arm of the mating coupler.

2,482,020
SELF-SYNCHRONOUS MOTOR SYSTEM
Ralph E. Meagher, Watertown, Mass., and Maynard D. McFarlane, Los Angeles, Calif., assignors, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy
Application September 25, 1944, Serial No. 555,704
14 Claims. (Cl. 318—24)

1. A system of self synchronous motors for synchronising a driving member with a driven member, comprising a pair of interconnected synchro

motors having delta connected stator windings coupling said driving and driven members together, a means for automatically shorting one stator winding of the driven synchro thereby abruptly stopping said driven member whenever the phase



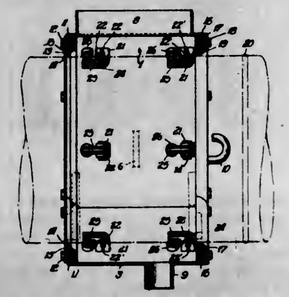
difference between said driving and driven members exceeds a predetermined degree, and means for automatically starting said driven member when phase correspondence is re-established between said members.

2,482,021

PIPE COATING MACHINE

Alfred O. Mickelson, Elmhurst, Ill., assignor to Pipe Line Service Corporation, Franklin Park, Ill., a corporation of Illinois

Application January 8, 1945, Serial No. 571,942
8 Claims. (Cl. 91—32)



1. In a pipeline coating machine, a generally cylindrical coating shoe formed of a plurality of sections pivotally fixed together, means supporting said shoe in said machine, a flange fixed on one end of said shoe and extending radially inwardly therefrom toward a pipeline, a second flange fixed on the other end of said shoe and extending radially inwardly therefrom, a sub-ring fixed on said second flange and extending therefrom inwardly toward the pipeline and terminating at a distance from the pipeline equal to a desired thickness of coating to be applied on the pipeline by the shoe, said first and second flanges and said sub-ring all being formed in a plurality of sections corresponding to the sections of said shoe, and means for supplying coating material to the shoe for application thereby to a pipeline.

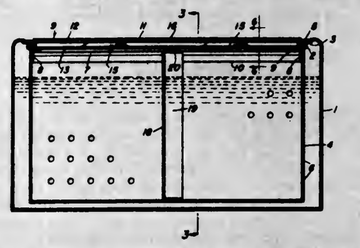
2,482,022

FISH BOX FOR ANGLERS

Walter R. Olson, Racine, Wis.

Application October 21, 1947, Serial No. 781,097
3 Claims. (Cl. 43—55)

1. A box for bait fish and the like comprising an outer container for water provided with an internal lateral rim flange, an inner removable container in the outer container perforated for the passage of water into the same from the outer container and fitting in said flange with an external rim flange resting on said internal flange, said flanges suspending said inner container spaced from the outer container to provide for the inner container being surrounded by the water in the outer container, rails extending along the sides and ends of the inner container within the same and parallel with the rim



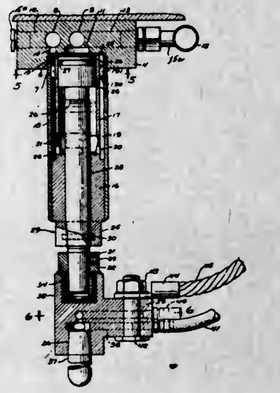
thereof, a cover fitted in said inner container to fit flush on said rails and being hollow and perforated for air cooling the same and aerating the water in the inner container, and a perforated partition in said inner container for dividing the same into compartments for different kinds of bait fish and to act as an aerating device and means supporting said panel on said sides of said inner container for adjustment laterally to vary the size of said compartments.

2,482,023

PRESS WELDING MACHINE

Eric J. Opitz, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 20, 1948, Serial No. 45,417
8 Claims. (Cl. 219—4)



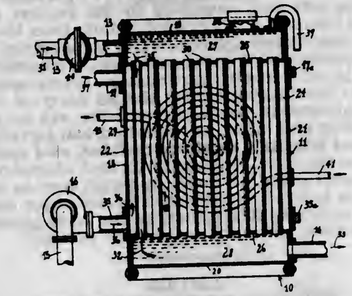
1. In a welding machine a support provided with two independent fluid passageways and provided with threaded recesses made in said support having communication with the passageways and motor cylinders, having each a threaded open end screwed into the recess the said open end making communication with one passageway and each cylinder having a recess in the cylinder wall making communication with the other fluid passageway and the other end of the cylinder.

2,482,024

COOLING SYSTEM FOR MARINE MOTORS

Edward C. Ortman and William Young, New York, N. Y.

Application April 16, 1946, Serial No. 662,543
2 Claims. (Cl. 257—224)



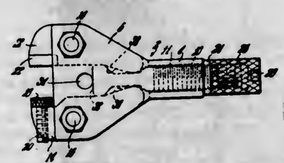
1. In a cooling device for a marine motor, said motor having a usual cooling jacket, and fresh cooling water circulating through said jacket, the combination of a casing, an upper and a lower transverse partition wall in the casing dividing the same into upper and lower end compartments and a middle compartment, respectively, said middle compartment generally being substantially deeper than the two other compartments, a plurality of tubes between the two partition walls, open at both ends, so as to connect the upper and lower compartments with one another, an intake for one end compartment, and an exit for the other end compartment, means to connect said intake and exit to the respective exit and intake of the motor cooling water circulating system, whereby the heated motor cooling water will pass to one end compartment, then will pass through said tubes to the other end compartment, and will return to the motor cooling jacket, by the exit in said second end compartment, and means to cause sea water to pass through said middle compartment and thereby cool the tubes therein, a spirally wound, substantially long, narrow tube in said middle compartment, edgewise set between said tubes, said spiral having intake and exit connections through the walls of the casing, and being connected into the circulating system for the lubricating oil of the motor, to provide for the cooling of said oil.

2,482,025

NUT BREAKING TOOL

Henry Persson, Bloomfield, N. J.

Application July 18, 1947, Serial No. 761,933
2 Claims. (Cl. 30—191)



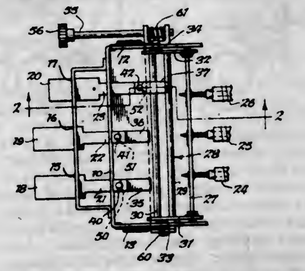
1. A nut breaker comprising in combination, a body including a rear shank portion provided with a longitudinal bore and forward wing portions extending forwardly therefrom and spaced apart to form a slot therebetween, jaw members in said slot pivotally connected to the wing portions and having rearwardly extending relatively converging portions, a screw member in said bore having an outer forward cam portion disposed forwardly of the extremities of the rear portions of the jaw members, a nut in engagement with said screw member at the rear inner end of said shank portion adapted on rotation in one direction to bear against said shank and move said screw member rearwardly whereby said jaw members are actuated by said cam portion so that their outer forward ends are moved towards one another, and means carried by the forward outer ends of the jaw members for engaging a nut, said means including an anvil on one said jaw member and a cutting edge provided on said other jaw member.

2,482,026

SELF-LOCKING PUSH-BUTTON TUNING MECHANISM

Marion J. Pifer, Williamsville, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.

Application November 14, 1947, Serial No. 785,925
6 Claims. (Cl. 74—10.33)



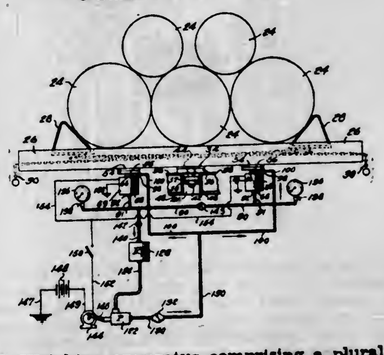
1. In a push button tuner, in combination, a frame, a plurality of plungers mounted in said frame, a plurality of tiltable levers pivotally mounted in said frame for rocking motion when actuated by said plungers respectively, cams adjustably positioned on said levers and movable longitudinally thereof, means for moving said cams longitudinally of said levers, and a tilt bar mounted in said frame for rocking motion, and for engagement with said cams.

2,482,027

VEHICLE SCALE

Charles S. Poole, Los Angeles, Calif.

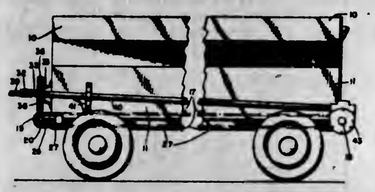
Application December 11, 1946, Serial No. 715,537
5 Claims. (Cl. 265—40)



5. Weighing apparatus comprising a plurality of fluid motors adapted to support a load to be

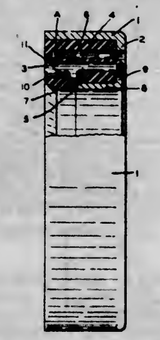
weighed, a source of pressure fluid, conduits connecting said motors to said source, each conduit including means operable upon actuation of its associated motor to a predetermined position to preclude flow of fluid therethrough, means for effecting the flow of pressure fluid from said source through said conduits, and means operatively associated with each of said motors and respectively operable to render said flow-effecting means ineffective only upon actuation of all said motors, and means responsive to fluid pressure in said motors for indicating the weight of the load.

2,482,028
TRUCK UNLOADING MECHANISM
Walter Reinking, Roselle, Ill.
Application February 28, 1947, Serial No. 731,668
1 Claim. (Cl. 214—83.36)



An unloading mechanism for a wagon comprising a conveyor over the wagon floor and operative from front to rear, scraper elements carried by the conveyor engaging said floor, a drive from a power source to operate the conveyor, said conveyor comprising a pair of chains from front to rear receiving the wagon floor between their runs, the upper chain runs extending inwardly of the wagon side walls, U-shaped channels completely enclosing the lower runs of the chains, front and rear sprocket sets for the chains, cross-shafts carrying the sprocket sets, said drive originating with a shaft in the center of the wagon front and including a second shaft extending from front to rear along one side of the wagon, a speed-reducing chain drive between the first and second shafts, and a worm drive speed-reducing connection between the rear end of the second shaft and the rear cross-shaft.

2,482,029
SEAL
Neel S. Reynolds, St. Louis, Mo.
Application August 5, 1946, Serial No. 688,520
6 Claims. (Cl. 286—5)



1. In a seal for association with two relatively rotatable members one of which is provided with a cylindrical surface, said seal comprising two portions one of which is provided with a yieldable sealing lip engaging the cylindrical surface and the other of which is associated with the other relatively rotatable member and a third cylindrical web portion connecting said two portions and having one end connected to the portion provided with the lip at a point remote from the lip and the other end connected to the other of the two portions at a point substantially radially of the lip, and means providing a non-expansible thrust bearing portion on the lip carrying portion adjacent its connection with the web for surrounding and riding on the cylindrical surface of the one relatively rotatable member, said sealing lip having such a normally formed diameter as to project radially beyond the thrust bearing portion so that when the seal is mounted for operation it will be flexed radially and have pressure engagement with the cylindrical surface.

2,482,030
REINFORCEMENT APPLICATOR
John A. Roberts, Rock Island, Ill.
Application November 4, 1948, Serial No. 58,185
4 Claims. (Cl. 1—2.1)



1. In a reinforcement applicator, the combination of a base provided with an upstanding support, a horizontal pivot pin on said support, a depressible head mounted on said pin and provided with a reinforcement feed passage, and feeding mechanism comprising a movable member positioned in said head and including a pair of spaced arms having free end portions constituting reinforcement engaging fingers, means in said passage for guiding the movement of said fingers in and out of reinforcement engaging positions, and a second pivot pin connecting said member to said support at a point spaced from said first-mentioned pin, whereby said member is movable in said head in response to the depression of the head relative to said base.

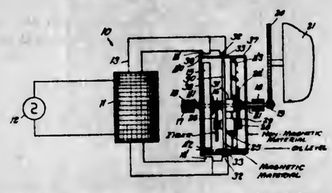
2,482,031
IMAGE DISPLAY APPARATUS AND CABINET HAVING ADJUSTABLE LIGHT SHIELDS
Joseph K. Rose, Chicago, Ill.
Application July 21, 1944, Serial No. 545,922
3 Claims. (Cl. 88—24)



1. In an image-displaying apparatus, a cabinet structure including a cabinet proper and a hinged lid, an image producing system including a mirror above said cabinet proper and in front of the lid when the latter is raised, and an extensible light shield for said mirror; said light shield including side wall members normally housed in said cabinet proper, means including inverted L-shaped

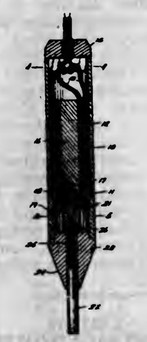
rods for supporting said side wall members in extended position, an extensible top wall member carried by said hinged lid, and guideways for the side edges of the extensible top wall member carried by said rods.

2,482,032
ELECTRIC MOTOR CONSTRUCTION
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application November 28, 1945, Serial No. 631,423
9 Claims. (Cl. 318—15)



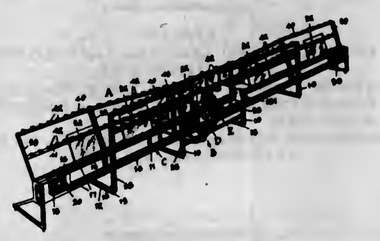
1. Speed changing and torque limiting means for an electric motor comprising, in combination, motor driving means, a shaft arranged to drive a load device, a gear wheel fast on said shaft, gearing interposed between said driving means and said gear wheel, means rotatably mounted on said shaft for mounting said gearing, and a casing secured to and rotatable with said shaft and enclosing the aforesaid movable mechanism except for the portion of said shaft outside thereof.

2,482,033
ELECTROMAGNETICALLY ACTUATED VIBRATOR
Henry J. Sevigny, Methuen, Mass.
Application April 3, 1947, Serial No. 739,193
3 Claims. (Cl. 172—126)



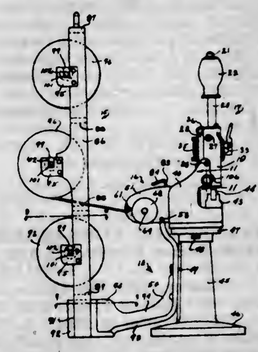
1. In a radio set testing device, a hollow casing provided with an annular shoulder intermediate its ends, a solenoid adapted to be connected to a source of electrical energy positioned within said casing and having one end abutting said shoulder, a core disposed longitudinally within said solenoid, there being a recess extending inwardly from one end of said core for a portion of its length, an armature arranged contiguous to the recessed end of said core and mounted for movement toward and away from the latter, resilient means seated in said recess and operatively connected to one end of said core and said armature for normally biasing the latter apart, a sleeve spaced from said armature and closing an end of said casing, a Lucite rod operatively connected to said armature and projecting through said sleeve, and resilient means interposed between said armature and sleeve for limiting the movement of said armature away from said core.

2,482,034
MARKING DEVICE
Joseph Stevens, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 31, 1947, Serial No. 795,941
15 Claims. (Cl. 51—14)



1. A marking apparatus comprising a conveyor for continuously moving work to be marked along a definite predetermined path, a marking device associated with said conveyor for marking work carried thereby and including means for projecting a marking fluid against said work, means for normally locking said marking device in one position, means for releasing said locking means when the work reaches a predetermined position relative to the marking device, means for moving said marking device with said work during a portion of the movement of the work along said path, and means for initiating and subsequently discontinuing the projection of the marking fluid during movement of the marking device.

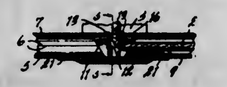
2,482,035
TAPE FEEDING AND MARKING MACHINE
George Stiegler, Cincinnati, Ohio
Application July 13, 1946, Serial No. 683,466
6 Claims. (Cl. 271—2.3)



1. In a device of the class described for feeding tape relative to the marking anvil of a marking machine the combination of a head having an upper surface forming a tape support in substantially the plane of the marking anvil, side plates on said head projecting above and rearwardly of the supporting surface, a leaf spring

above said supporting surface and forming between its under surface and the upper surface of the tape support a passageway for the tape, a feed wheel rotatably carried by the side plates for feeding the tape through the passageway, manually operable means exteriorly of the side plates for actuating the feed wheel, means carried by said side plates for positioning the tape on said feed wheel to be moved thereby, and means for mounting said leaf spring on the head so that it projects beyond said head supporting surface to overlie the feed wheel and yieldably hold the tape against the feed wheel.

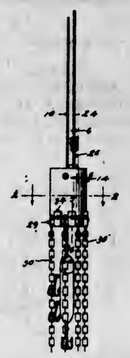
2,482,036
VENETIAN BLIND ASSEMBLY AND BOTTOM RAIL THEREFOR
Frederick L. Stutz, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Application January 16, 1946, Serial No. 641,506
13 Claims. (Cl. 160—173)



1. In a Venetian blind, the combination of a horizontally flattened tubular bottom bar having longitudinally spaced transverse slots in the top wall thereof and openings in the bottom wall thereof opposed to said slots, pull cord guide members of molded plastic having elongated holes therethrough registering with said slots in said top wall and having top flanges engaging the side edges of the slots in the top wall, said guide members having downwardly converging side walls with recesses therein opening to said holes thereof, the inner edges of the recesses being curved to merge into said holes, the guide members being introducible through the openings in the bottom wall of the bar, the guide members having curved end portions extending into said bottom openings, ladder tapes, a pull cord rove through adjacent guide members, the lower ends of the ladder tapes being wrapped around the edges of the bottom bar to overlie the bottom thereof, and clips having opposed pairs of spring fingers retainingly engaging the edges of the bottom bar and the tape ends therearound, the lower clip engaged ends of said ladder tapes overlapping the lower ends of said guide members whereby the guide members are retained by said clips, the bottom bar having slots at each side of said bottom openings, said clips having lugs engaging said slots.

2,482,037
ARTIFICIAL FISHING LURE RETRIEVER
Pat M. Swaim, Fort Smith, Ark.
Application September 15, 1947, Serial No. 773,950
4 Claims. (Cl. 43—30)

2. An improved retriever of the kind described comprising a tubular outer member, a cylindrical inner member rotatable in said outer member, said inner member formed with a central bore longitudinally therethrough, said members formed with longitudinal slots through a wall thereof registrable in one rotated position of said inner member for admitting a fishing line into said bore, a top wall on said tubular outer member formed with an opening communicating with the slot of said tubular member and registering over said bore, locking means carried by said members for securing said members in selected



rotated position, and flexible members depending from the lower edge of said retriever for engagement over and with a hook on the fishing line.

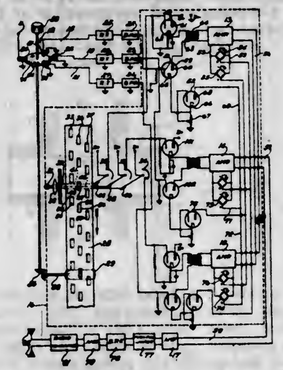
2,482,038
VINYL CHLORIDE-CONTAINING POLYMERS HAVING A HIGH STABILITY AGAINST THERMAL DECOMPOSITION
Sterling Temple, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1947, Serial No. 733,997
6 Claims. (Cl. 260—92.8)

1. The process of producing a vinyl chloride-containing polymer having a high stability against thermal decomposition which comprises adding to an aqueous dispersion of a vinyl chloride-containing polymer taken from the group consisting of polyvinyl chloride, vinyl chloride-fumaric ester copolymers, vinyl chloride-vinyl acetate copolymers, vinyl chloride-vinylidene chloride copolymers, vinyl chloride-vinyl cyanide copolymers, vinyl chloride-acrylic ester copolymers, and vinyl chloride-methacrylic ester copolymers, said polymer containing at least 50%, by weight, vinyl chloride units, from 0.01% to 0.5%, by weight, of a compound taken from the group consisting of sodium pyrophosphate and sodium hexametaphosphate, and coagulating said polymer by addition of a water-soluble metal salt.

2,482,039
SECRET COMMUNICATION EMPLOYING SIGNAL SEQUENCE SWITCHING
Louis A. Thompson, Rocky River, Ohio, assignor to NEA Service, Inc., Cleveland, Ohio, a corporation of Delaware
Application September 6, 1945, Serial No. 614,772
6 Claims. (Cl. 179—1.5)

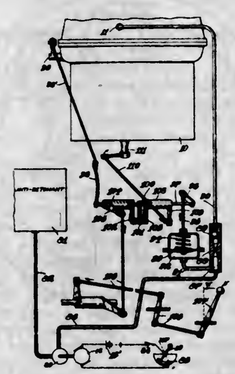
5. Signal sequence apparatus comprising in combination a plurality of transmission channels, a plurality of blocking devices each associated with one of said channels, a source of radiant energy, a plurality of radiant energy responsive devices, a moving radiant energy interceptor with slots in rows each corresponding to one of said energy responsive devices, and connections from each of said energy responsive devices for energizing one of said channels and blocking the

remainder, whereby signals are passed through said channels in accordance with a code deter-



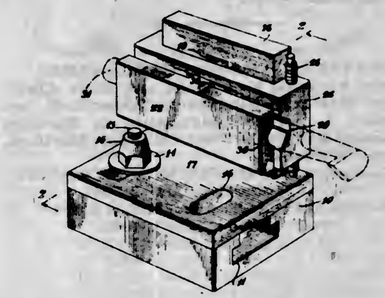
mined by its slot arrangement of the said moving interceptor.

2,482,040
SUPERCHARGED INTERNAL-COMBUSTION ENGINE
Denis Heaton Thorns and Duncan Ramsay, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application December 9, 1942, Serial No. 468,388
In Great Britain October 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1961
11 Claims. (Cl. 123—25)



1. In a supercharged internal-combustion engine, the combination of manually-adjusted means controlling the power output of the engine, means operated by the adjustment thereof to a predetermined setting to effect a supply of anti-detonant to the engine, means operated by the pressure of the anti-detonant supply to effect an increase in the boost-pressure beyond the normal value, means operable by the pilot to weaken the fuel-mixture, and means operable by the pressure of the anti-detonant supply to automatically weaken the fuel-mixture.

2,482,041
TOOLHOLDER
Thomas B. Tiefenbacher, Jamaica, N. Y.; Lila Grinka executrix of said Thomas B. Tiefenbacher, deceased
Application August 22, 1946, Serial No. 692,249
2 Claims. (Cl. 82—36)



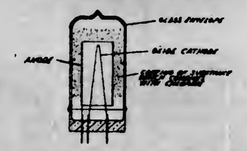
1. In a tool-holder, a vertically extending upright member having a slot therein, a horizontally extending base connected to said upright member, an inner clamping plate having a groove and a slot therein, an intermediate clamping plate provided with a slot registering with the slots in said upright member and inner clamping plate, an outer clamping plate movable independently of said intermediate clamping plate and adapted to co-operate with said intermediate clamping plate for clamping a tool therebetween by the application of lateral pressure exerted against said tool longitudinally thereof, a body portion on said outer clamping plate extending through and interfitting with the slots in said intermediate clamping plate and said upright member and slidable vertically in the slot in said upright member, said body portion also engaging and interfitting with the groove in said inner clamping plate, an extension on said body portion extending through and interfitting with the slot in said inner clamping plate, means on said extension for drawing all of said clamping plates toward said upright member and into clamping position and a screw-threaded bolt threaded through said intermediate clamping plate and having one end engaging said horizontally extending base and the other end protruding above said intermediate clamping plate and accessible for manipulation whereby the vertical position of all of said clamping plates as a unit may be adjusted and maintained.

2,482,042
OXYCELLULOSE PRODUCTS, THEIR MANUFACTURE AND UTILIZATION
William H. Van Delden, Cedar Grove, and John B. Rust, Montclair, N. J., assignors to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application March 21, 1945, Serial No. 584,043
3 Claims. (Cl. 260—212)

3. In the process of making a degraded oxycellulose which is soluble by refrigeration in aqueous alkalies to yield solutions capable of forming continuous coherent films when coagulated, the steps of impregnating 62 parts of cellulose with a 20% sodium hydroxide solution containing 2.4% of 30% hydrogen peroxide, permitting the cellulose to remain in the impregnating bath for 5 hours, then pressing the cellulose to an increase

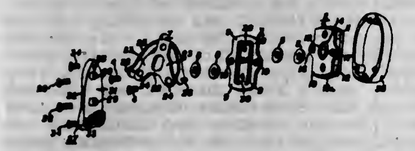
of 230% and permitting it to stand at about 25° C. for 96 hours to produce an activated soda cellulose, mixing 26.8 parts of said activated soda cellulose with 61.5 parts of 20% sodium hydroxide and 111.7 parts of crushed ice to produce a clear solution containing 4% of cellulose and 8% sodium hydroxide having a medium viscosity at room temperature.

2,482,043
GETTERING FOR DISCHARGE TUBES
Cornelis Frederik Veememans and Hugo Christiaan Hamaker, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 14, 1946, Serial No. 669,513
In the Netherlands May 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1962
3 Claims. (Cl. 250—27.5)



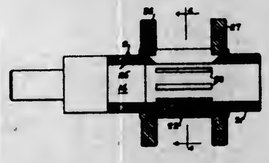
1. An electron discharge tube comprising an envelope enclosing an evacuated space and having glass wall portions, and a layer of a gettering substance capable of chlorine fixation on substantially the entire inner surface of said glass wall portions.

2,482,044
ELECTROMAGNETIC BONE VIBRATOR
George Vernier, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application March 29, 1946, Serial No. 658,050
5 Claims. (Cl. 179—107)



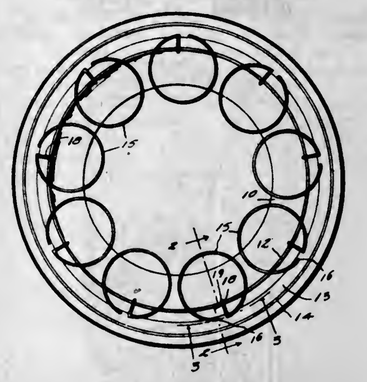
5. A hearing aid bone conduction receiver including an electromagnetic structure arranged to generate a magnetic field, a diaphragm supported from said electromagnetic structure in a magnetic field thereof, said diaphragm being responsive to variations in the strength of said field, diaphragm spacers separating said diaphragm from said electromagnetic structure to allow free vibration of said diaphragm, a contact member attached to said diaphragm and caused to vibrate thereby, said contact member being adapted to be placed in contact with the skull structure near the auditory canal, a framework supported from said electromagnetic structure including a stop member arranged to pass between and to be normally free from contact with said diaphragm and said contact member, said cross arm being separated from said diaphragm in the static position of said diaphragm by a distance such that the maximum displacement of said diaphragm from said electromagnetic structure due to oppositely disposed forces on said contact member and said electromagnetic structure is insufficient to produce damaging distortion of said diaphragm.

2,482,045
VANE PUMP ROTOR
George A. Waldie, Edison, and Johan A. Muller, Dayton, Ohio, assignors to H-P-M Development Corporation, a corporation of Delaware
Application October 26, 1942, Serial No. 463,336
5 Claims. (Cl. 103—136)



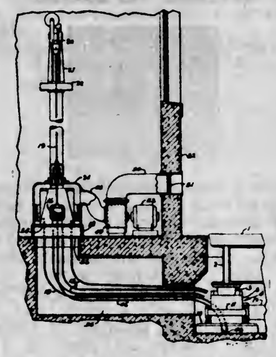
1. In a rotor for vane pumps, a hollow sleeve having an integral enlarged hub centrally of said sleeve, there being slots through said sleeve and hub radially thereof, said slots being formed to receive and guide the pump vanes, and cylindrical flange elements fitting over said sleeve and abutting opposite ends of said hub respectively, each flange element being substantially greater in diameter than said hub and adapted to abut said vanes throughout their radial range of operation, said flanges and said hub being integrally united into a rigid unit.

2,482,046
SPRING WHEEL
Walter Lee Wharton, San Angelo, Tex.
Application October 29, 1947, Serial No. 782,915
1 Claim. (Cl. 152—80)



A resilient wheel comprising concentric inner and outer annular members, a cylindrical flange carried by the outer edge of each member, and a plurality of circumferentially spaced apart annular split rings fixed at their free ends to said members, one end of each spring being formed with an L-shaped extension having one side thereof substantially radial to said ring and projecting inwardly, the other side of said extension being disposed on the inner side of the flange of said inner member and secured to the latter and an outwardly extending arm on the other end of each ring fixed to the other of said annular members.

2,482,047
TEMPERATURE CONTROL FOR WEIGHING SCALES
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 31, 1944, Serial No. 561,193
7 Claims. (Cl. 265—27)

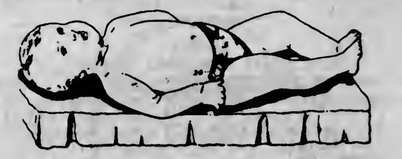


5. In a weighing scale having parts of its weighing mechanism installed in regions of different temperatures, in combination, an enclosure for one portion of said mechanism, a heater for maintaining the temperature of said enclosure, and thermostatic means having a first element in the enclosure and a second element adjacent the remainder of said mechanism for controlling said heater.

2,482,048
VINYL CHLORIDE-CONTAINING POLYMERS HAVING A HIGH STABILITY AGAINST THERMAL DECOMPOSITION
Thurman V. Williams, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1947, Serial No. 734,000
8 Claims. (Cl. 260—92.8)

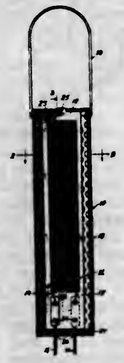
1. The process of producing a vinyl chloride-containing polymer having a high stability against thermal decomposition which comprises adding to an aqueous dispersion of a vinyl chloride-containing polymer taken from the group consisting of polyvinyl chloride, vinyl chloride-fumaric ester copolymers, vinyl chloride-vinyl acetate copolymers, vinyl chloride-vinylidene-chloride copolymers, vinyl chloride-vinyl cyanide copolymers, vinyl chloride-acrylic ester copolymers and vinyl chloride-methacrylic ester copolymers, said polymer containing at least 50%, by weight, vinyl chloride units and containing as the dispersing means therein a dispersing agent which is stable at a pH below 2.0, sufficient water-soluble acid taken from the group consisting of hydrochloric acid, sulfuric acid, acetic acid, and para-toluene sulfonic acid to lower the pH value of the dispersion to less than 2.0 but insufficient to coagulate the polymer from the dispersion, adding to said dispersion, in sufficient amount to coagulate said polymer, a water-soluble metal salt which will not form an insoluble salt with acid present in said dispersion, and washing said coagulated polymer.

2,482,049
WEIGHTED DIAPER
Dorothy Wilson, Grand Rapids, Mich.
Application May 22, 1947, Serial No. 749,713
5 Claims. (Cl. 128—284)



1. A hygienic device for use in the care of a supine infant, comprising: a substantially triangular sheet of absorbent material adapted for disposition over the infant's crotch with one corner thereof depending between the legs of the infant and the other two corners thereof depending alongside the opposite outer thighs of the infant, and weights attached to all three corners of said triangular sheet and tending to maintain said sheet in position on the infant notwithstanding movements of the infant.

2,482,050
ELECTRIC AIR HEATER
Lech Yejeski, Middletown, Conn., assignor to Safeway Heat Elements, Inc., Middletown, Conn., a corporation of Delaware
Application November 15, 1946, Serial No. 709,961
2 Claims. (Cl. 219—19)

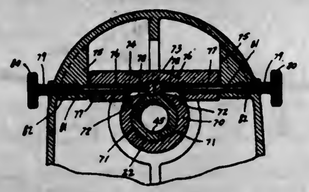


1. An electrical device comprising a heating element having a core of non-conducting material and a woven fabric secured to said core, the woof of said fabric comprised of electrical conductors and the warp composed of threads of non-conducting material, a perforated tubular shield surrounding said element secured to said core through means, said element equipped with electrical terminals attached to the core and electrically connected to the conductors of said fabric.

2,482,051
ROTARY CHECKING FIXTURE
Ralph S. Yingling, Yorktown, Ind.
Application April 16, 1945, Serial No. 588,583
6 Claims. (Cl. 33—174)

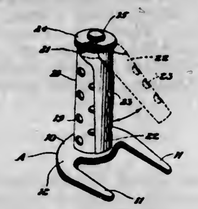
1. In a rotatable checking plate structure having a base, a spindle rotatably mounted therein, a work supporting plate rigid with the spindle and rotatable relative to the base, the combina-

tion of means for holding the plate in stationary position, scale means upon the plate and arcuately adjustable relative to the plate and the base, and means for holding the scale means stationary in adjusted position upon the plate,



the plate holding means comprising a split clamp about the spindle, and a pair of inwardly directed base carried opposed members operatively engaging said clamp at opposite sides of and adjacent the split therein.

2,482,052
HAIR CURLER
Alexis Zachary, New York, N. Y.
Application February 11, 1946, Serial No. 646,764
2 Claims. (Cl. 132—34)



1. A hair curler comprising a base member including a main body portion and spaced feet projecting therefrom, said base member formed of two superposed identical plates connected together except at the main body portion where they are spaced apart, said superposed plates having apertures therein, a stem extending through the aperture in the upper plate and connected to be seated in the aperture in the lower plate, a sleeve surrounding the stem and adapted to be rotated therearound, the lower end of the sleeve extending through the aperture in the upper superposed plate and being provided with a bent outwardly extending circular flange to lie between the spaced portions of the main body portion whereby the sleeve can be rotated around the stem.

2,482,053
ANODE CONSTRUCTION
Michael J. Zunick, Chicago, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 13, 1945, Serial No. 628,304
21 Claims. (Cl. 250—149)



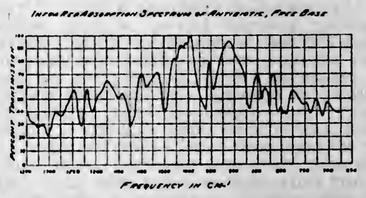
1. An electron target comprising a laminated block of target material presenting laminations edgewise to form a target surface.

2,482,054
MIRROR STRUCTURE HAVING A METAL TO GLASS ADHERENCE INCREASING INTERLAYER
William H. Colbert and Arthur R. Weinrich, Brackenridge, Pa., and Willard L. Morgan, Columbus, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 24, 1944, Serial No. 541,964
10 Claims. (Cl. 88—105)



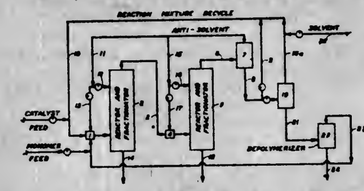
1. A bonded mirror comprising a vitreous siliceous support body having a smooth continuous surface; a continuous intermediate metal oxide adhesive layer permanently and directly adhered by molecular forces to the smooth continuous surface of said support body without intermingling into the material of the support body, the adjacent surfaces of said support body and said adhesive layer being in intimate continuous surface to surface contact and defining a smooth continuous interface, the other surface of said adhesive layer being of substantially the same smoothness as the said smooth surface of the support body; and a metal reflecting film permanently and directly adhered by molecular forces to said metal oxide adhesive layer, the adjacent surfaces of said adhesive layer and said reflecting film being in intimate continuous surface to surface contact and defining a smooth continuous interface, the other surface of said reflecting film being of substantially the same smoothness as the said smooth surface of the support body.

2,482,055
AUREOMYCIN AND PREPARATION OF SAME
Benjamin M. Duggar, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 11, 1948, Serial No. 7,592
8 Claims. (Cl. 167—65)



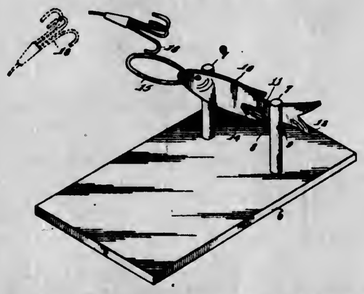
1. Substances effective in inhibiting the growth of Gram positive and Gram negative bacteria selected from the group consisting of a substance capable of forming salts with acids, containing the elements carbon, hydrogen, nitrogen, chlorine, and oxygen, being very soluble in pyridine, soluble in methanol and in acetone and being slightly soluble in ethanol and in water, its crystals having a refractive index parallel to elongation between about 1.674 and 1.694, and exhibiting characteristic absorption bands in the infra red region of the spectrum when suspended in a hydrocarbon oil in solid form at the following frequencies expressed in reciprocal centimeters: 3420, 1643, 1609, 1580, 1523, 1302, 1231, 1209, 1121, 1080, 1050, 969, 943, 867, 844, 825, 805, 794, 788, 733, 713 and the acid salts of said substance.

2,482,056
POLYMERIZATION PROCESS
William E. Elwell and Alvah L. Snow, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application June 19, 1945, Serial No. 600,244
13 Claims. (Cl. 260—80)



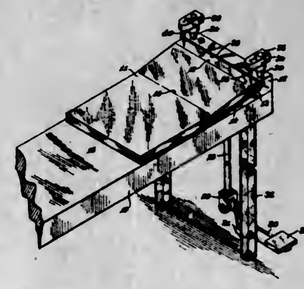
2. A process of forming and fractionating polymeric materials which comprises polymerizing an ethylenically unsaturated monomer in a normally liquid selective solvent to form a mixture of polymers having different solubilities in said solvent, selectively precipitating polymers of lower solubility in said selective solvent in a first solvent zone, separating said precipitated fraction of polymer from the solution of polymers having higher solubility in said solvent, passing said selective solvent polymer solution to a second solvent zone, precipitating a second polymer fraction by reducing the solvent power of said selective solvent in said second zone, separating said precipitated second polymer fraction, and thereafter polymerizing additional ethylenically unsaturated monomer in the selective solvent while it contains residual unseparated polymer.

2,482,057
CASTING TARGET
Leo I. Fincke, Chicago, Ill., assignor of one-half to William R. Hodgkinson, Chicago, Ill.
Application December 29, 1945, Serial No. 638,019
4 Claims. (Cl. 273—102)



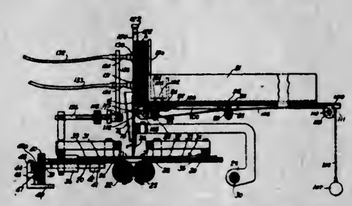
1. A casting game consisting of a substantially horizontal rod, means for supporting the rod in an elevated position, a relatively flat image simulating a fish, or the like, having an angularly positioned slot in the lower portion for engagement with said rod, means for yieldingly supporting the image in a predetermined position, and a large ring fixed to one end of the image and lying in a plane substantially transverse to the plane of the image and at an angle to the horizon when the image is in normal position, said ring being adapted to be engaged by a hook cast with a casting rod and line.

2,482,058
SHEET HOLDING DEVICE
Alfred C. Gannon, Indianapolis, Ind., assignor to Kingan & Co. Incorporated, Indianapolis, Ind., a corporation of New Jersey
Application May 1, 1946, Serial No. 666,382
5 Claims. (Cl. 271—61)



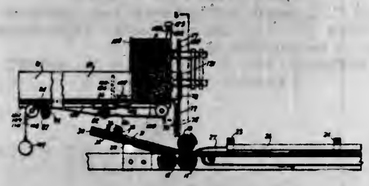
3. In a device of the class described, a platform formed to provide a low-level surface, a high-level surface, and an inclined surface joining said high-level surface with said low-level surface, said platform being adapted to support a stack of sheets, means mounted for reciprocation adjacent said platform, and a pair of needles carried by said reciprocatory means vertically above said high-level platform surface, said reciprocatory means biased to move downwardly to force said needles to penetrate the topmost sheet of a stack supported on said platform.

2,482,059
INTERLEAVING ATTACHMENT FOR FOLDERS
Norbert S. Gates, Emerson, N. J., and Anthony J. Pinto, Brooklyn, N. Y., assignors to Dreyfuss Art Co., Inc., New York, N. Y., a corporation of New York
Application March 19, 1948, Serial No. 15,796
4 Claims. (Cl. 270—45)



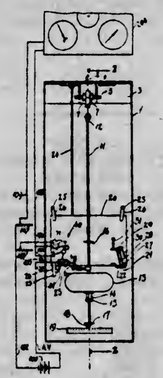
1. The method of folding a sheet over an insert which comprises positioning said sheet over a pair of cooperating feed rollers lying in a substantially horizontal plane; positioning said insert above and normal to said sheet in a plane passing between said feed rollers; releasing said insert so that the same falls vertically on edge onto said sheet; and striking said sheet alongside said insert with a blade and thereby forming an arris in said sheet and introducing said arris between said feed rollers.

2,482,060
INTERLEAVING ATTACHMENT FOR FOLDERS
Norbert S. Gates, Emerson, N. J., and Anthony J. Pinto, Brooklyn, N. Y., assignors to Dreyfuss Art Co., Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 16,824
4 Claims. (Cl. 270—45)



1. The method of folding a sheet over an insert which comprises positioning said sheet over a pair of cooperating feed rollers lying in a substantially horizontal plane; positioning said insert above and normal to said sheet in a plane passing between said feed rollers; releasing said insert so that the same falls vertically on edge onto said sheet; and buckling said sheet beneath the edge of said insert and forcing the buckle of said sheet between said feed rollers.

2,482,061
MASTER CLOCK
Marsten Lovell Hamlin, Lynbrook, N. Y.
Application May 24, 1943, Serial No. 488,189
16 Claims. (Cl. 58—25)



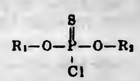
1. A clock comprising an isochronously oscillating pendulum having a bob, an anvil fixedly associated with the pendulum at a point not remote from the bob and having an impact face normal to the path of travel of the bob, an impulse member adapted to deliver an impact of only substantially instantaneous duration to the impact face of said anvil at approximately the mid point of the oscillations of the pendulum when the impulse member is released from a biased position, a detent adapted to retain the impulse member in its biased position, a trigger on the detent adapted to release the impulse member by displacement of the detent when moved in one direction but free to move in the other direction without action on the detent, a trigger-pull mounted on the pendulum adapted to engage the trigger, a banking stop adapted to limit the impulse stroke of the impulse member in fixed relation to the oscillations of the pendulum, a powered reset means adapted when operated to contact the impulse member in its released position and reset it to its biased position, means associated with the impulse member to cause the reset means to operate after each release of the impulse member, and powered time-indicating means controlled by the action of the impulse member to indicate time in synchronism with but without reaction on the pendulum.

2,482,062
STORAGE BATTERY SEPARATOR OF POLYSTYRENE FIBER
Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 19, 1945, Serial No. 573,628
2 Claims. (Cl. 136—146)

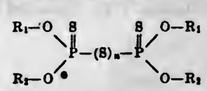
1. A separator for storage batteries consisting essentially of a compressed coherent microporous body of substantially parallel polystyrene fibers having diameter between 0.02 and 5 microns, said body having an apparent density of from 0.315 to 0.630, low electrolytic resistance, and being permeable by, but resistant to the flow of battery liquid.

2,482,063
PREPARATION OF ORGANIC PHOSPHATES
Ingenuin Hechenbleikner, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 26, 1947, Serial No. 794,117
6 Claims. (Cl. 260—461)

1. A method of preparing an organic chlorothiophosphate of the general formula



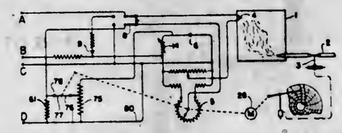
in which R_1 and R_2 are chosen from the group consisting of alkyl, aralkyl, and aryl radicals, which includes the step of reacting a bis(thiophosphono) sulfide of the general formula



in which R_1 and R_2 are chosen from the group consisting of alkyl, aralkyl, and aryl radicals, and n is a whole number, with a chlorinating agent selected from the group consisting of chlorine, sulfur monochloride, and sulfur dichloride.

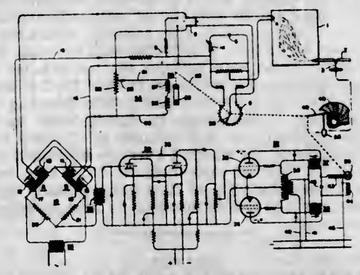
2,482,064
ANTIHUNT ELECTRICAL MEASURING AND CONTROLLING SYSTEM
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application October 14, 1946, Serial No. 703,146
2 Claims. (Cl. 318—28)

1. A system for measuring an unknown D.-C. voltage including, in combination, an adjustable potentiometer circuit connected across a constant D.-C. source and producing a voltage opposing said unknown voltage, means including a motor for adjusting said potentiometer circuit, means responsive to the differential between said unknown voltage and the voltage produced by said potentiometer circuit for controlling the operation of said motor, said means controlling the operation of said motor comprising a bridge circuit adapted to be unbalanced in one direction or the other on a change in the differential voltage, means including control tubes selectively operative to effect operation of the motor in one direction or the other in response to unbalances of said bridge circuit to reduce the differential



between said voltages, a resistance connected across the constant D.-C. source of said potentiometer circuit and having an adjustable contact operatively connected to said motor, and means including a capacitance for connecting said contact and one end of said resistance across a portion of the system between said potentiometer circuit and said second mentioned means so as to introduce therein a voltage opposing said differential voltage and proportional to the speed of said motor.

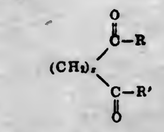
2,482,065
ANTIHUNT ELECTRIC MOTOR CONTROL SYSTEM
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application January 28, 1947, Serial No. 724,905
6 Claims. (Cl. 318—28)



1. A system for measuring an unknown E. M. F. including, in combination, adjustable means for producing a measuring E. M. F. of different values, means for opposing the unknown E. M. F. to said measuring E. M. F., a device operative to adjust said adjustable means, means responsive to the difference between said measuring and unknown E. M. F.'s for controlling the operation of said device, a solenoid having a pair of windings connected in bucking relation and a permanent magnet plunger movable relative to said windings, means operatively connecting said plunger to said device for acuation by the latter, and means for connecting said windings into the system for subjecting induced E. M. F.'s of the windings on the system in opposition to the difference between the measuring and unknown E. M. F.'s and effecting a reduction in the energizing of said device by an amount proportional to the rate at which it is operated.

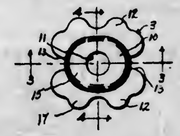
2,482,066
ACETYLATION OF COMPOUNDS CONTAINING A —CO—$(CH_2)_x$—CO— GROUP
David C. Hull and Albert H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 19, 1946, Serial No. 704,524
7 Claims. (Cl. 260—483)

1. A method of acetylating a compound having the formula:



in which R is alkyl and R' is a group selected from alkyl and ethoxy, x being an integer of not more than 2 which comprises reacting thereon with isopropenyl acetate in the presence of an esterification catalyst selected from the group consisting of sulfuric acid, p-toluene sulfonic acid, selenic acid, N-acetyl sulfamic acid, zinc chloride, boron trifluoride etherate, triethylamine, pyridine and benzyl dimethylamine.

2,482,067
SNAP FASTENER SOCKET MEMBER
Walter I. Jones, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 16, 1944, Serial No. 563,719
3 Claims. (Cl. 24—217)

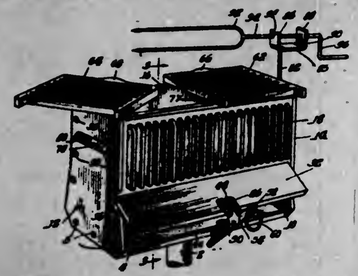


1. A snap fastener socket member adapted for snap fastener engagement with a rigid circular stud, and comprising an elliptical hollow body of sheet metal provided with an elliptical crown and a pair of oppositely disposed inwardly converging depending segments one of which is connected to each elongated side of said crown and extending from points near the mid-ends thereof, said segments being separated from each other at the mid-ends of said crown to provide separate transversely yieldable elliptically arcuate stud-engaging segments adapted for limited arc contact with a circular stud to be engaged thereby, the free edge portions of said segments being outwardly flanged throughout substantially the length thereof providing a support-gripping surface and a reinforcement against transverse distortion of said segment edge portions.

2,482,068
OUTDOOR FIREPLACE
Charles O. Larson, Sterling, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois
Application March 25, 1944, Serial No. 528,038
2 Claims. (Cl. 126—25)

2. An outdoor fireplace or fire box comprising a bottom ash pan having a substantially flat bottom and at two of its sides upwardly and outwardly inclined flanges, substantially flat side plates connected to said bottom and upstanding

therefrom, flat front and back grate members at least one of which is provided with grilled openings, said front and back members being connected to said side plates and forming therewith a fire box, front and back clean-out doors pivotally connected at their upper edges to said side plates below said front and back grate members, the bottom edges of said clean-out doors being adapted to close in downwardly inclined position upon the respective top edges of said



upwardly and outwardly inclined flanges of said ash pan, and a grate carried by said side plates above said clean-out doors and ash pan, and grill means extending across the top of said fire box and pivotally mounted on one of said grate members to swing either to a position over the fire box or to swing to open position relatively to and away from said fire box whereby the fire box may be filled and whereby in said open position said grill means comprises horizontally disposed shelf-like means.

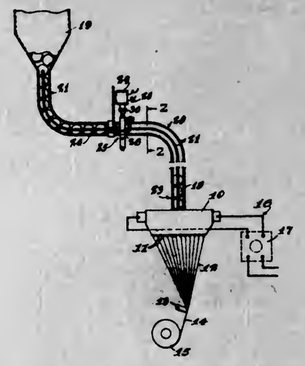
2,482,069
PREPARATION OF ADENYLIC AND THIO-ADENYLIC ACID
Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin
No Drawing. Application November 6, 1944, Serial No. 562,272
21 Claims. (Cl. 260—211)

7. In a process for the manufacture of adenylic and thio-adenylic acids, the steps which comprise halogenating a member of the class consisting of urio acid and 2-thio uric acid to replace the hydroxyl with halogen, reacting the halogenated compound with a member of the class consisting of ribose and a halogeno acylated ribose, replacing the 6-halogeno with an amino group, thereafter replacing the remaining halogen with hydrogen, and phosphorylating the adenine or thio-adenine riboside so produced.

2,482,070
RESIN-WAX COMPOSITION
Daniel Schoenholz, Bronx, and Leon Kresser, Brooklyn, N. Y., assignors to Foster D. Snell, Inc., a corporation of New York
No Drawing. Application June 26, 1946, Serial No. 679,585
7 Claims. (Cl. 260—22)

1. An emulsion comprising a water-insoluble polishing wax, a salt of a water soluble nitrogenous alkali with the maleic anhydride adjunct of the abietate of a polyhydric alcohol, water, and an emulsifying agent dissolved in the water, the wax and the said salt being soluble in each other and being present in the emulsion as the dispersed phase and the salt being in the proportion of 20 to 75 parts to 100 parts of the salt and wax.

2,482,071
METHOD FOR PRODUCING FIBERS
Allen L. Simison, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 27, 1946, Serial No. 693,175
3 Claims. (Cl. 49—77.5)

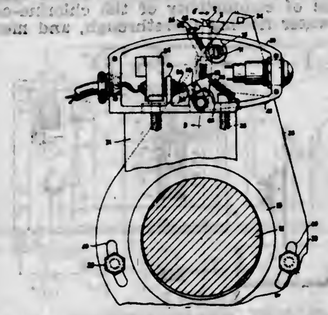


3. The process of making glass fibers which comprises maintaining a body of molten glass, flowing streams of molten glass from the body at rates depending upon the viscosity of the molten glass, attenuating the streams of molten glass to fibers at a constant rate, supporting a column of glass marbles on the body of molten glass, heating the lower end of said column to melting temperature to progressively melt the marbles in the column and cause the marbles to move downwardly into the body of molten glass, feeding marbles to the top of said column at a constant rate so that the column increases or decreases in height when the rate of said flow of streams from said body is less or greater respectively than said constant rate of feed of marbles to the top of said column, and varying the temperature of said body in direct order to the change in height of said column to thereby vary the viscosity of the molten glass in said body and the rate of flow of said streams from said body so as to keep the rate of flow substantially equal to said rate of feed of marbles to said column.

2,482,072
SAFETY MECHANISM FOR VULCANIZERS
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio
Application April 11, 1946, Serial No. 661,303
18 Claims. (Cl. 18—17)

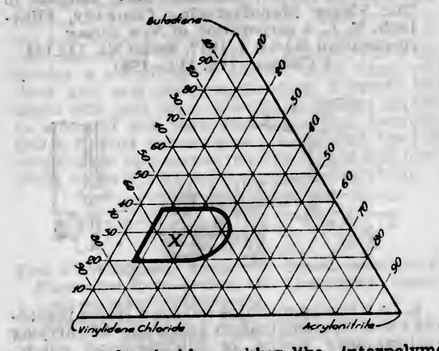
18. A vulcanizing press comprising a vertically movable platen and a swinging link pivotally connected to the platen with a limited clearance at the pivotal connection, said link acting to raise the platen after the clearance is taken up, a plate on the link, adjusting means for setting the plate at varying angular positions on the link, a striker on the plate, a safety switch mounted on the platen for controlling the movement of the press, a feeler for actuating the switch and projecting toward the path of the striker, a spring mounting for the feeler which permits it to rock when contacted by the striker moving in one direction or to depress when contacted by the striker moving in the opposite di-

rection, and means for selectively locating the feeler so that it is either at the point occupied



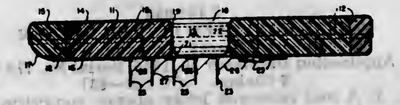
by the striker when the clearance is taken up or in advance of said point.

2,482,073
VINYLIDINE CHLORIDE-BUTADIENE-ACRYLONITRILE INTERPOLYMERS
George William Stanton and Charles Everett Lowry, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 16, 1946, Serial No. 670,279
3 Claims. (Cl. 260—80.7)



1. A vulcanizable, rubber-like interpolymer made by dispersing in water and polymerizing together a monomeric mixture consisting of 56 per cent of vinylidene chloride, 30 per cent of butadiene-1,3 and 14 per cent of acrylonitrile.

2,482,074
WATER SKI
Henry Caldwell Stephens, Downey, Calif., assignor of one-half to Philip H. Philbin, Jr., Los Angeles, Calif.
Application March 11, 1946, Serial No. 653,627
8 Claims. (Cl. 9—21)



1. Water skis comprising individually: a plurality of blocks of plastic foam cemented together to form an elongated body having a flat normally lower side upturned at one end to form a prow,

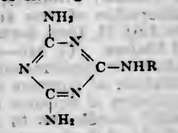
and of substantial depth relative to its width, and of sufficient buoyancy to retain its upper surface above water while sustaining the weight of a person, and having a well amidships adapted to receive the foot of a person and extending downwardly in said body to below the normal metacenter thereof; a cover for said body having upper and lower shells of plastic sheet material sealed to each other and inclusive of walls and a bottom closure for said well; a plurality of cleats of plastic sheet material hingedly fastened to the lower surface of said cover so as to be free to swing rearwardly parallel thereto; and means restricting the forward movement of said cleats to positions substantially at right angles to the axis of said elongated body.

2,482,075
PROCESS FOR THE MANUFACTURE OF RUBBER ARTICLES
Rebecca O. Teston, Glenbrook, Conn., assignor to Eastern Rubber Specialties, South Norwalk, Conn., a corporation of Connecticut
No Drawing. Application January 10, 1947, Serial No. 721,448
3 Claims. (Cl. 18—58.6)

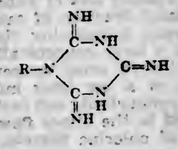
1. The process of forming hollow rubber articles such as dolls that comprises coating a mold with a gas impervious lubricating film in solid form having that quality which aids stripping the finished rubber article from the mold while preventing the forming of gas bubbles between it and the mold or the latex dispersion thereafter applied to said gas impervious lubricating film, said coating being extremely thin so as not to affect appreciably the outer detail of the mold surfaces and the resulting detail of the hollow rubber article, coating said mold thereafter with a coagulable dispersion of latex, then subjecting the latex to the action of a coagulant to form the hollow article with the coagulated latex adhering to the coated mold without the formation of air bubbles therebetween, and then stripping the completed article from said mold while said gas impervious lubricating film is present in solid form between said mold and article to facilitate the stripping of the article from the mold.

2,482,076
PROCESS OF ISOMERIZING ISOMELAMINES
Jack T. Thurston, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 9, 1945, Serial No. 581,943
7 Claims. (Cl. 260—249.5)

1. A method of preparing normal monosubstituted melamines having the formula

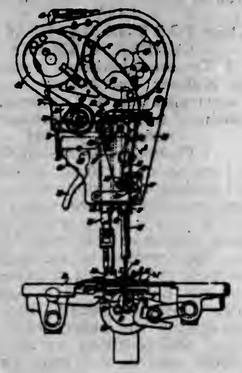


in which R is a radical of the group consisting of aliphatic and aromatic radicals which comprises heating together as the essential components a monosubstituted isomelamine having the formula



in which R is as defined above, an alcohol, and catalytic amounts of a strongly basic substance at temperatures of at least 80° C. until the isomelamine has been isomerized to a normal melamine, and recovering the thus formed normal monosubstituted melamine.

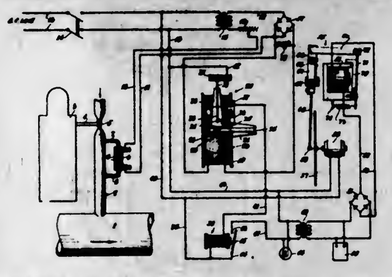
2,482,077
THREAD-CONTROLLING MECHANISM FOR SEWING MACHINES
William C. Van Ness, Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 18, 1947, Serial No. 729,248
6 Claims. (Cl. 112—244)



1. In a single-thread chain-stitch sewing machine, the combination with an endwise movable thread-carrying needle, a rotary wing-type looper adapted to enchain thread-loops presented thereto by said needle, means for rotating said looper, a presser-foot, and means for raising and lowering said presser-foot, of a movable thread-controller actuated by the raising of the presser-foot and operable when the looper has just seized the thread-loop cast out by the needle for pulling the previously seized and spread thread-loop off the looper and setting the same against the under side of the work.

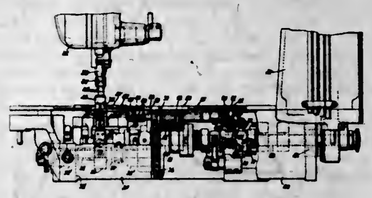
2,482,078
CHLORINE CONCENTRATION LIMIT INDICATOR FOR CHLORINATING SYSTEMS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application July 13, 1946, Serial No. 683,327
3 Claims. (Cl. 346—33)

3. In a system for continuously introducing a small concentration of chlorine into a relatively large flowing stream of aqueous liquid, said concentration being insufficient to affect the electrical conductivity of the liquid in a manner representative of the magnitude of said concentration, the combination, with conduit structure for establishing and discharging into said relatively large stream a minor flow of water quantitatively equalling a small fraction of said large stream, and with means introducing chlorine into the minor flow in a large concentration sufficient to provide the desired small concentration in the large stream, of a low limit indication system comprising a conductivity cell including electrode means exposed to the minor flow of water after introduction of chlorine thereto, a circuit supplying electric current through said cell, for variation of the amount of said current in response to change of conductivity of the chlorine-containing water flowing therethrough, and means



connected to said circuit and responsive to current flow therein and including an indicating device, operated in response to a decrease of said current representative of decrease of chlorine supply below a predetermined low limit, for giving an indication of the existence and duration of the decreased chlorine supply.

2,482,079
LOOP-SPREADER MECHANISM FOR CHAIN-STITCH SEWING MACHINES
Frederick F. Zeier, Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 4, 1947, Serial No. 732,184
6 Claims. (Cl. 112—199)



1. In a sewing machine having a frame including a bed, the combination with a thread-carrying reciprocatory needle, of complemental stitch-forming mechanism including a thread-carrying looper, means for imparting loop-seizing and loop-shedding movements to said looper, a loop-spreader, means for operating said loop-spreader including an actuating bar provided with a connector-pin, a bracket detachably secured to said bed and providing a bearing for said actuating bar, a rock-shaft, means for operating said rock-shaft, and means connecting said rock-shaft to said actuating bar including a rock-arm fast on said rock-shaft and having a lever-portion thereof slidingly disposed in said connector-pin.

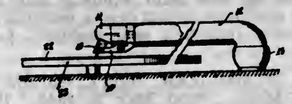
2,482,080
SEAL CONVEYED LETTER OPENER
Robert T. Lacey, Spokane, Wash.
Application December 30, 1946, Serial No. 719,279
9 Claims. (Cl. 229—85)

1. A seal conveyed letter opener comprising a small crescent-like piece of thin flexible sheet material, each of the two ends thereof having a flat lug projecting from the inner edge of the crescent, a seal having an aperture therethrough, said letter opener disposed behind said aperture, a back cover sheet secured to said seal and holding said letter opener in position thereon, and said seal



being gummed for attaching said letter opener to an envelope.

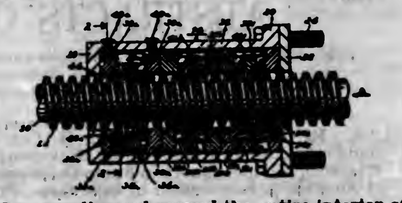
2,482,081
ELECTROSTATIC PICKUP
William H. Unger, New York, N. Y.
Application December 19, 1944, Serial No. 568,878
5 Claims. (Cl. 179—100.41)



1. An electrostatic reproducer comprising a pick-up head, a vibratory member constituted by a unitary elastic beam of insulating material having one end secured to said head cantilever fashion and adapted to carry a stylus at its free end for cooperation with a record groove, said beam having a substantially smaller mass than said head and said stylus subtending a substantial angle with said beam, a metallic coating applied to a face of said beam forming a first electrode, and a further electrode secured to said head in cooperating and spaced relation to said first electrode, to form a variable condenser therewith.

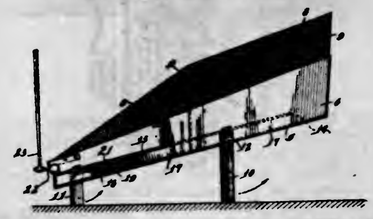
2,482,082
SCREW JACK
Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 7, 1944, Serial No. 539,159
16 Claims. (Cl. 74—459)

1. In a screw jack, a retaining member, a threaded screw of constant diameter axially movable within said member, a ring within said member encircling said screw, means for rotatably mounting said ring in said member eccentrically with respect to the axis of said screw and with the axes of the screw and ring in fixed relationship,



and means disposed around the entire interior of said ring entering between and engaging adjacent turns of the thread on said screw.

2,482,083
GAME BOARD
Earle L. Whitehall, Kankakee, Ill.
Application February 14, 1948, Serial No. 8,430
3 Claims. (Cl. 273—90)

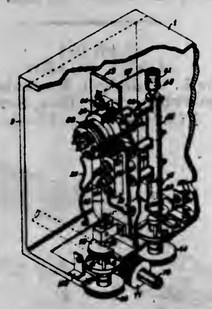


1. A game board structure for use with a movable token, comprising a base member of polygonal contour; means adapted to maintain said base member in an inclined plane extending upward from a corner of said base member; upstanding limiting walls along the sides of said base member; a playing floor of polygonal contour spaced above said base member and being arranged in a plane below the upper edges of said limiting walls; said floor having therein a plurality of well-defined penalty and scoring apertures through which the token may pass; unitary yieldable means spanning a recess at the lowermost corner of the wall structure and against which a playing token is adapted to rest when a play is initiated, said means being effective when it receives an impact delivered by a player to direct the token across the surface of the playing floor; and means between said base member and playing floor for gravitationally returning the token to the yieldable means.

ABSTRACTS OF APPLICATIONS

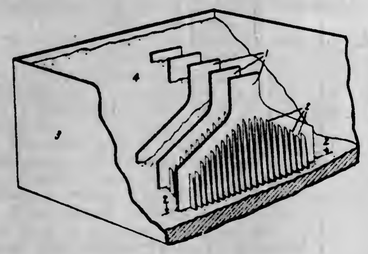
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and making copies. The applications are not printed.

21,068. RF AMPLIFIER. William H. Conron, Haddonfield, N. J., and Frederick H. Schneider, Westville, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Apr. 14, 1948. Published Sept. 13, 1949. Class 250—16.



The disclosure relates to improvements in the arrangement and construction of multistage amplifiers of the grounded grid type, whereby coupling from one stage to the next is obtained without introducing undesirable variations as a function of frequency. Resonant line sections are employed as tuning elements whereby tuning control is effected without the use of sliding contacts on the lines. An improved multiple or ganged tuning mechanism for the several stages introduces a minimum of backlash between the variable tuning elements and is readily adjustable to compensate wear or misalignment of the movable parts throughout the operating frequency range.

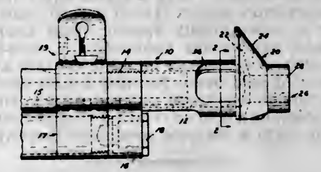
556,257. METHOD OF TREATING ARC CHUTES. Nicholas F. Arone, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York. Filed Sept. 28, 1944. Published Sept. 13, 1949. Class 34—9.



The method of drying irregularly sectioned arc chute members of molded insulation material having a plurality of relatively thin fins and having asbestos as a substantial ingredient, comprising arranging a plurality of said members in closely spaced relationship in a box containing a preliminary layer of sand, filling said box with sand to an extent sufficient to completely invest said members therein so as to afford a mechanical supporting pressure and also a heat conducting medium for all exterior surfaces of said chute members so that destructive effects caused by internal stresses in the chute members due to temperature changes are substantially eliminated, subjecting said box and members therein to a prolonged bake at 500° F. for 72 hours, terminating said bake while retaining said members undisturbed in said sand whereby said members become gradually cooled over a prolonged period, and finally removing said members from said sand.

591,598. STABILIZER. John C. Garand, Springfield, Mass. Filed May 2, 1945. Published Sept. 13, 1949. Class 89—14.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

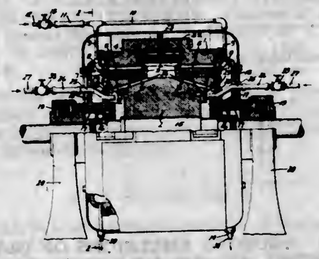


A device adapted for association with the muzzle end of an automatic rifle and which is arranged to both reduce the flash and to control the gas flow from the muzzle of the barrel in such a way that the recoil of the firearm is reduced and the firearm is stabilized in operation.

612,554. COMPOSITIONS OF MATTER AND PROCESSES. Fred Linsker, New York, N. Y., and Ralph L. Evans, Bay Shore, N. Y., said Linsker assignor to said Evans. Filed Aug. 24, 1945. Published Sept. 13, 1949. Class 260—570.5. No drawing.

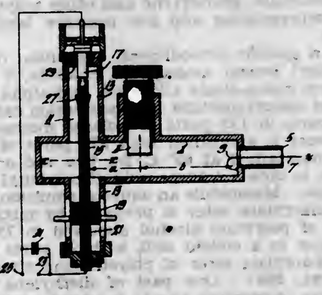
This application discloses a process of preparing a substituted ethylene diamine compound comprising reacting ethylene diamine of at least 85% concentration and preferably 95% concentration with a reactive organic halide in an open system under atmospheric pressure. The organic portions of the organic halide specifically disclosed in the application are even numbered straight chain alkyl radicals from octyl to octadecyl, allyl, and ortho and para nitrophenyl radicals. In some instances, it is desirable to use anhydrous divalent copper salts as a catalyst. The mole ratio of the reactants depends on whether it is desired to produce a mono- or a di-substitution product of ethylene diamine. The substituted ethylene diamine derivatives are useful as intermediates in the preparation of detergents, dyes, and pharmaceutical products.

625,587. ELECTROMAGNETIC APPARATUS. Harold M. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Oct. 30, 1945. Published Sept. 13, 1949. Class 172—285.



Discloses an eddy current inductor type dynamometer having two relatively rotatable members 1 and 2 with flux conducting teeth on one of the members and a relatively smooth eddy surface 3 on the other member. An annular field exciting winding 22 is positioned in an annular recess 4 in one of the members intermediate the ends of the machine. Internal cooling fluid passages 5 are formed through the member 1 having the smooth surface adjacent said surface and other cooling fluid passages 24 are formed in the other member communicating with the air gap. Cooling fluid from one source 12 is circulated through the internal passages for cooling the eddy current surface and cooling fluid from another source 27 is supplied to the other passages for introduction into the air gap for passage axially outward to the ends thereof. The internal passages 5 in the eddy current member 1 and the cooling fluid passages 24 in the other member 2 form two independent parallel paths for circulating cooling fluid through the machine. In the disclosure the device is said to be adaptable for use on other eddy current inductor type machines such as a clutch or a brake

625,911. BROAD BAND CRYSTAL DETECTOR COUPLING CIRCUIT. Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Oct. 31, 1945. Published Sept. 13, 1949. Class 250—27.1.

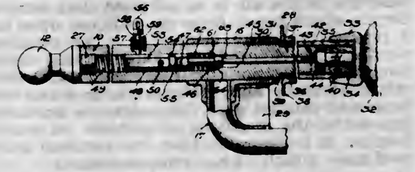


The disclosure comprises a wide frequency band ultra-high frequency detector coupling network comprising a tunable cavity resonator into which the input signals are introduced and a transversely disposed coaxial detector coupling line so proportioned and tuned that the detector provides substantial loading of the tuned cavity resonator to provide broad banding.

The inner conductor of the transversely disposed detector coupling coaxial line is exposed throughout the portion passing through the cavity resonator, and the length of the exposed inner conductor between the detector and the transverse axis of the resonator is so proportioned that a current maximum is provided at said transverse axis thereby providing substantial loading of the cavity resonator with resultant broad band characteristics.

639,680. SILENT, FLASHLESS, SMOKELESS MORTAR. George B. Davis, Jr., Green Acres, Md., and Edgar C. Roberts, Arlington, Va., assignors to the United States of America as represented by the Secretary of War. Filed Jan. 7, 1946. Published Sept. 13, 1949. Class 89—1.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



This device comprises a light weight mortar mount provided with a shaft 10 having the usual spherical end cap 12 adapted to be received in a standard mortar base plate and an offset supporting bracket 17 adapted to be secured to a standard mortar bipod. Shaft 10 is centrally bored to accommodate a firing pin 46 operated by a manually-cocked trigger 56. A relatively heavy explosive projectile 32 has a rearwardly extending firing tube 35 adapted to fit over shaft 10. A diaphragm 42 is slidably fitted into the tube near the closed end and serves to define a chamber containing the firing change 40 and a primer 41. Upon firing, diaphragm 42 slides in tube 35 until it is stopped by internal flange 30, where it acts as a seal to confine the propellent gases in the tube, so that there is no noise, flash or smoke.

667,105. DRYING PROCESS FOR SHEETED CELLULOSE PULP FOR ACETYLATION AND THE LIKE. George A. Richter, Rochester, N. Y. Filed May 3, 1946. Published Sept. 13, 1949. Class 34—23. No drawing.

This application relates to a method of drying cellulose, particularly wood pulp, in sheet form involving the passing of conditioned air through the sheet in such a manner that the gaseous drying medium as it comes from the sheet has a relative humidity of not less than 5% at any time. This method involves imparting moisture content to the drying air as the cellulose sheet approaches dryness so that the cellulose fibers of the sheet may be dried without shrinking occurring such as occurs, for instance, where a cellulose sheet is dried by passing over hot drums.

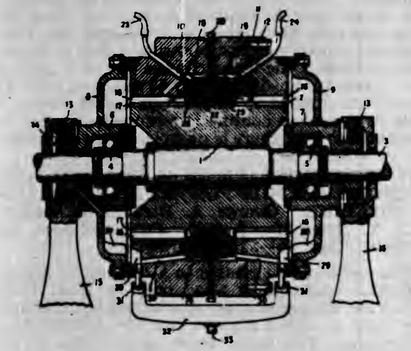
This invention is particularly directed to the drying of fibrous cellulose sheets which have not more than 15% moisture content therein and require regulation of the drying operation so that some of the fibers are not excessively dried. For example, a sheet of wood pulp having a weight of one hundred pounds per thousand square feet was reduced in moisture content from 15% down to 5% by passing the sheet over suction boxes at a linear speed of two hundred feet per minute. Drying air having a temperature of 250–300° F. was thereby sucked through the sheet and a tem-

perature drop of air in passing through a sheet was approximately 100°. The following table shows the length of dryer necessary to obtain the desired reading:

Pressure drop	Air volume cu. ft. per minute per sq. ft.	Pounds of air per minute per sq. ft.	Evaporation rate pounds of water per minute per sq. ft.	Drier length necessary in feet
1.0	82	6.1	.149	17.4
2.0	156	11.4	.281	9.3
4.0	225	16.5	.406	6.4
8.0	280	20.6	.506	5.1

In the latter part of the drying operation the moisture in the air is so adjusted that none of the air which comes from the cellulose sheet has a relative humidity below 5%. The resulting wood pulp sheet is then in a good physical condition for esterification; for instance, in a bath consisting of acetic anhydride, acetic acid and sulfuric acid catalyst. As this process is primarily directed to the preparing of cellulose for esterification, it is desirable that the cellulose sheet used have a high alpha cellulose content.

703,685. DYNAMOELECTRIC MACHINE. Kenneth R. McDougal, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Oct. 17, 1946. Published Sept. 13, 1949. Class 172—285.



Discloses an eddy current inductor type dynamometer having two relatively rotatable members 1 and 10 with flux conducting teeth 16 on one of the members and a relatively smooth inductor eddy current surface 2 on the other member. An annular field exciting winding 19 is positioned in an annular recess 18 in one of the members intermediate the ends of the machine. A cooling fluid circulating coil is arranged with circumferentially extending convolutions 21 and 22 around the sides and interior surface of the field winding 19 for cooling the field coil. Openings 25 are provided in the cooling fluid coil adjacent the air gap 17 between the two members 1 and 10 for supplying cooling fluid from the coil 21, 22 into the air gap 17 for cooling the eddy current surface 2. In the disclosure the device is said to be adaptable for use on other eddy current inductor type machines such as a clutch or a brake.

723,656. AQUEOUS EMULSIONS OF GLYCOL DIESTERS. Carleton A. Sperati, North Arlington, N. J., and Glenn E. Wintersaute, Kearny, N. J., assignors to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware. Filed Jan. 22, 1947. Published Sept. 13, 1949. Class 260—29. No drawing.

This application discloses the preparation and use of aqueous emulsions of potentially thermosetting monomeric dimethacrylate esters of a mixture of glycols having the formula

$$HO(CH_2CH_2O)_n—H$$

wherein n is an integer, said mixture having a molecular weight between 185 and 270. Aqueous emulsions containing from 0% to 80% of these esters are prepared by agitating the diesters in water in the presence of from 1% to 10%, based on the weight of the glycol diesters, of a dispersing agent having a polar group and a chain of more than twelve carbon atoms. Suitable dispersing agents are diethylene glycol stearate, the ammonium salt of stearylamine, butylamine product with styrene-maleic anhydride polymer, dialuryl dimethyl ammonium bromide, polyethylene glycol distearate and sorbitan monopalmitate. Polyvinyl alcohol may be added as an emulsion stabilizer.

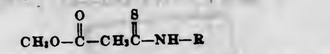
Emulsions of the glycol esters of this application are useful either alone or in admixture with aqueous suspensions of polymeric materials such as polyisobutyl methacrylate, polymethyl methacrylate, polystyrene and other polymers in the impregnating and low pressure laminating fields.

In a specific embodiment, a solution of cetyl dimethyl benzyl ammonium chloride, 5 parts, glyceryl mono-oleate 1.25 parts, and alpha alpha' bis azo isobutyronitrile (polymerization catalyst), 1.25 parts in 125 parts of isobutyl methacrylate monomer is emulsified with 375 parts of water and maintained at 65° C. for two and one-half hours, to obtain a suspensoid of polybutyl methacrylate. Meanwhile an aqueous emulsion of the dimethacrylate ester is prepared by mixing 0.5 parts of polyvinyl alcohol dissolved in 75 parts of water in a colloid mill, with 25 parts of the dimethacrylate ester of polyethylene glycol (av. mol. wt. 200). One part of diethylene glycol stearate (dispersing agent) is added portionwise to the mixture and the emulsion is then allowed to mix for ten to fifteen minutes at room temperature.

A roll of glass mat is dipped first into a suspension of polyisobutyl methacrylate made up as above and is allowed to dry at room temperature for thirty minutes. It is then dipped into the emulsion of polyethylene glycol dimethacrylate and allowed to dry. The fabric can be rolled up without the use of cellophane interlayers and is non-tacky. Such material is used for low pressure laminates.

730,550. α-(CARBOMETHOXY)-THIOACETAMIDE COLOR COUPLERS. Charles J. Kibler and Arnold Weissberger, Rochester, N. Y. Filed Feb. 24, 1947. Published Sept. 13, 1949. Class 95—6.

Color-forming compounds for color photography which produce orange to yellow photographic images on color development comprise compounds of the following structure:



in which R is an aromatic nucleus of the benzene series.

The compounds of the application are prepared by treating an aryl isothiocyanate with ethylacetoacetate. Suitable arylisothiocyanates are phenyl isothiocyanate, o-tolylisothiocyanate and o-phenatylisothiocyanate. A typical compound produced from this reaction is α-(carbomethoxy)-thio-acet-o-toluide.

The couplers of the application may be incorporated in a developing solution or in a silver halide emulsion layer and when an exposed silver halide emulsion layer is developed with a p-phenylamine diamine type color developer, a colored image is produced in the emulsion layer.

775,654. VENEER CLIPPERS. Erwin W. Knokey, Tacoma, Wash. Filed Sept. 23, 1947. Published Sept. 13, 1949. Class 164—47.

The disclosure relates to a veneer clipper which has the usual table 9 over which the veneer is fed to the machine, and table 9 has a slot with one edge of which the reciprocating knife 10 cooperates in cutting. The knife is carried by a heavy knife bar 11 which slides between the spaced webs of two channel bars or frame members 92 and is very accurately guided by adjustable wedge gibs.



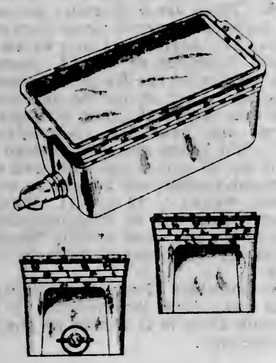
The movement of knife 10 and knife bar 11 is provided by cylinders 42, pistons 43 and gear segments 4. There are a plurality of gear segments 4a, between 4 spaced along the length of the knife bar 11. Segments 4 and 4a are joined for operation in unison by bar 44. Segments 4 and 4a are pivoted to the frame members 92 as at 49. The gear teeth on all the gear segments mesh with spur gears 22 rigid with pivots 29, which pivots also have first class levers rigid therewith. Said levers are each pivoted at one end to knife bar 11 and at the other end are pivoted to a counterweight bar 3 equal in weight to the combined weight of 10 and 11. Thus as 42 are alternately operated by fluid pressure, knife 10 is reciprocated and given a slight longitudinal slicing action as it cooperates with the edge of the slot in 9.

The frame members 92 are tilted slightly from the vertical away from the direction of feed of the veneer and knife 10 is beveled on the incoming veneer side only.

DESIGNS

SEPTEMBER 13, 1949

155,116
DESIGN FOR A LIQUID DISPENSING DEVICE
Howard F. Addleston and Gertrude I. Smith, San Francisco, Calif.
Application November 23, 1948, Serial No. 149,788
Term of patent 14 years
(Cl. D2—3)



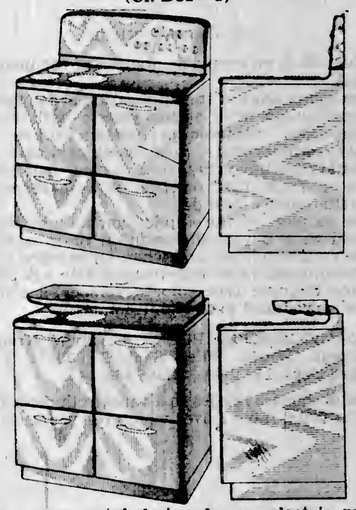
The ornamental design for a liquid dispensing device, as shown.

155,117
DESIGN FOR A JEWELRY BOX
Edward Barton, Hamtramck, Mich., assignor to Joseph Fusik, Utica, Mich.
Application March 11, 1946, Serial No. 127,343
Term of patent 3½ years
(Cl. D86—9)



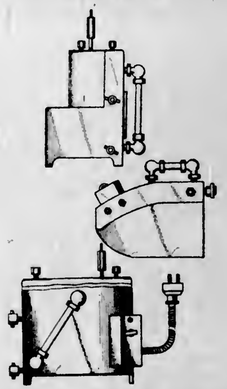
The ornamental design for a jewelry box, as shown and described.

155,118
DESIGN FOR AN ELECTRIC RANGE
Leo F. Berg, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application March 2, 1948, Serial No. 144,879
Term of patent 14 years
(Cl. D81—4)



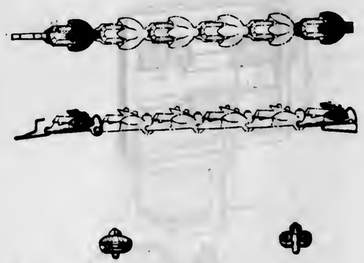
The ornamental design for an electric range, substantially as shown and described.

155,119
DESIGN FOR A STEAM GENERATING BOILER FOR STEAM HEATED FLATIRONS
William Blank, Montreal, Quebec, Canada
Application June 7, 1947, Serial No. 139,528
Term of patent 7 years
(Cl. D49—6)



The ornamental design for a steam generating boiler for steam heated flat irons, as shown.

155,120
DESIGN FOR A LINK BRACELET OR SIMILAR ARTICLE
Herman Bogoff, Chicago, Ill.
Application February 11, 1949, Serial No. 802
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a link bracelet or similar article, as shown and described.

155,121
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Henry Bogoff, Chicago, Ill., assignor to Spear Novelty Co., Chicago, Ill., a copartnership
Application April 11, 1949, Serial No. 1,897
Term of patent 7 years
(Cl. D45—19)



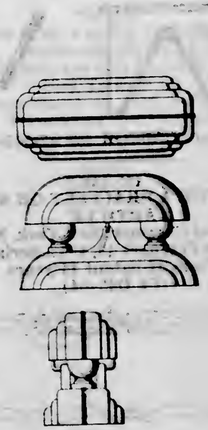
The ornamental design for a brooch or similar article, substantially as shown.

155,122
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Henry Bogoff, Chicago, Ill., assignor to Spear Novelty Co., Chicago, Ill., a copartnership
Application April 15, 1949, Serial No. 1,993
Term of patent 7 years
(Cl. D45—19)



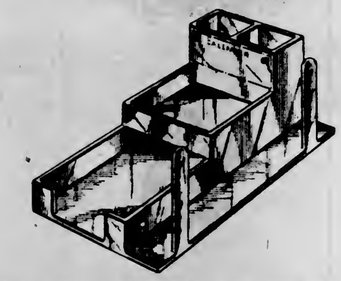
The ornamental design for a brooch or similar article, substantially as shown.

155,123
DESIGN FOR A LAMP
Earl S. Boynton, East Orange, N. J.
Application June 17, 1947, Serial No. 139,747
Term of patent 14 years
(Cl. D48—20)



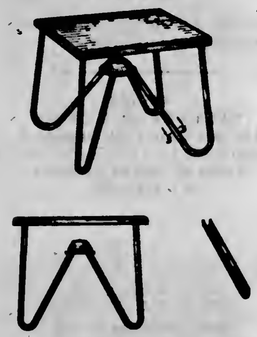
The ornamental design for a lamp, substantially as shown.

155,124
DESIGN FOR A COMBINATION DESK UNIT
Alva R. Carver, Lakeland, Fla.
Application January 3, 1949, Serial No. 10
Term of patent 14 years
(Cl. D74—5)



The ornamental design for a combination desk unit, as shown and described.

155,125
DESIGN FOR A TABLE
Frank C. Castelli, Carrel Park, Pa., assignor to F. C. Castelli Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 25, 1948, Serial No. 144,730
Term of patent 3½ years
(Cl. D32—14)



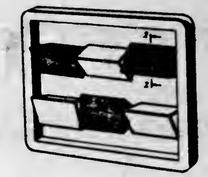
The ornamental design for a table, as shown.

155,126
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application February 19, 1949, Serial No. 964
Term of patent 14 years
(Cl. D45—4)



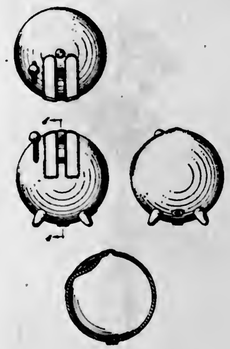
The ornamental design for a bracelet or similar article, substantially as shown and described.

155,127
DESIGN FOR AN ABACUS-LIKE TOY
William P. Calvin, New Rochelle, N. Y.
Application April 10, 1947, Serial No. 138,277
Term of patent 14 years
(Cl. D34—15)



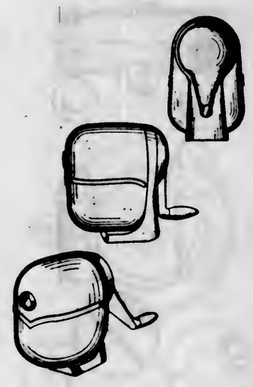
The ornamental design for an abacus-like toy, substantially as shown and described.

155,128
DESIGN FOR A TOASTER CASING
William Miles Cox, Woodside, and Duncan W. Cox, Hillside Heights, N. Y.
Application February 24, 1947, Serial No. 137,156
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a toaster casing, substantially as shown.

155,129
DESIGN FOR A PENCIL SHARPENER
Ladislav Degefors, Solna, Sweden, assignor to Instrumentaktiebolaget J. A. Palm, Stockholm, Sweden
Application April 23, 1947, Serial No. 138,550
In Sweden April 10, 1947
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a pencil sharpener, as shown.

155,130
DESIGN FOR A SOUVENIR STICK
Walter Henry Desforges, Sr., and Walter Henry Desforges, Jr., New Orleans, La.
Application September 16, 1947, Serial No. 141,434
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a souvenir stick, substantially as shown and described.

155,131
DESIGN FOR A SUPPORTING BRACKET OR THE LIKE
James E. Donaldson, Chicago, Ill.
Application December 12, 1946, Serial No. 135,439
Term of patent 14 years
(Cl. D33—3)



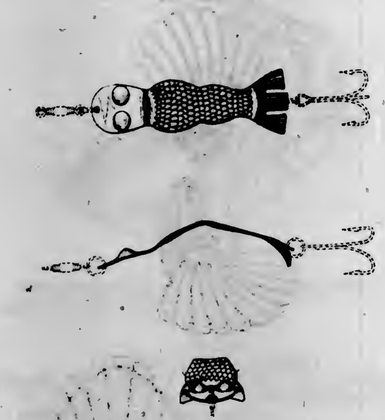
The ornamental design for a supporting bracket or the like, as shown.

155,132
DESIGN FOR A SHOE COVERING OR SIMILAR ARTICLE
Jerome J. Dorfman and Frank H. Kennedy, New York, N. Y.
Application March 18, 1949, Serial No. 1,464
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a shoe covering or similar article substantially as shown and described.

155,133
DESIGN FOR A FISH LURE
Harold W. Dow, Metamora, Mich.
Application August 10, 1948, Serial No. 148,019
Term of patent 7 years
(Cl. D31—4)



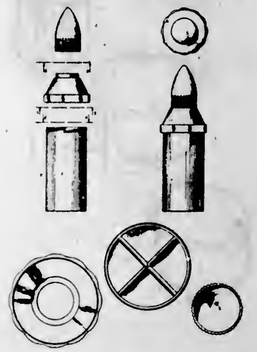
The ornamental design for a fish lure, as shown and described.

155,134
DESIGN FOR A BOTTLE OR THE LIKE
Jacob Dykstra, Chicago, Ill., assignor to Glaser, Crandell Co., Chicago, Ill., a corporation of Illinois
Application July 27, 1948, Serial No. 147,795
Term of patent 7 years
(Cl. D58—8)



The ornamental design for a bottle or the like, as shown.

155,135
DESIGN FOR A PROTECTIVE CONTAINER FOR NURSING BOTTLES
William M. Ellsworth, Brooklyn, N. Y., assignor to Michael Friedman, Brooklyn, N. Y.
Application December 10, 1946, Serial No. 135,382
Term of patent 3½ years
(Cl. D83—8)



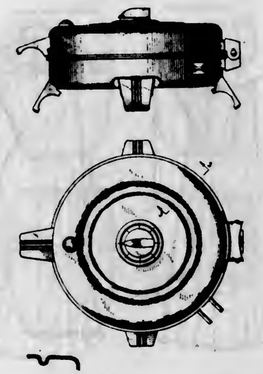
The ornamental design for a protective container for nursing bottles, substantially as shown.

155,136
DESIGN FOR A CHAIN FOR A WATCH BAND OR SIMILAR ARTICLE
Salvatore Esposito and Dominic Vassalluzzo, Philadelphia, Pa.
Application April 7, 1947, Serial No. 138,218
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a chain for a watch band or similar article, as shown.

155,137
DESIGN FOR A WAFFLE IRON
Alvin Feder, Chicago, Ill., assignor to Serva-Matic Corporation, Chicago, Ill., a corporation of Illinois
Application February 17, 1948, Serial No. 144,551
Term of patent 7 years
(Cl. D81—10)



The ornamental design for a waffle iron, substantially as shown and described.

155,138
DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE
Maurice Fixler, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership
Application August 26, 1948, Serial No. 148,302
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for embroidered needlework fabric or similar article, as shown.

155,139
DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE
Maurice Fixler, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership
Application August 26, 1948, Serial No. 148,303
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for embroidered needlework fabric or similar article, as shown.

155,140
DESIGN FOR EMBROIDERED NEEDLEWORK FABRIC OR SIMILAR ARTICLE
Maurice Fixler, Chicago, Ill., assignor to Fixler Bros., Chicago, Ill., a copartnership
Application August 26, 1948, Serial No. 148,304
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for embroidered needlework fabric or similar article, as shown.

155,141
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,091
Term of patent 3½ years
(Cl. D2—4)



The ornamental design for a coat, as shown.

155,142
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,094
Term of patent 3½ years
(Cl. D2—4)



The ornamental design for a coat, as shown.

155,143
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,095
Term of patent 3½ years
(Cl. D2—4)



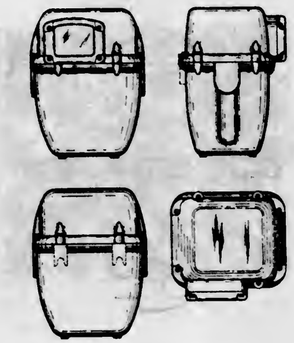
The ornamental design for a coat, as shown.

155,144
DESIGN FOR A CLOSURE CAP
Clarence W. Fuller, Yonkers, N. Y.
Application November 17, 1947, Serial No. 142,617
Term of patent 3½ years
(Cl. D58—26)



The ornamental design for a closure cap, substantially as shown and described.

155,145
DESIGN FOR A GAS METER
Edward R. Gilmore, Pittsburgh, Pa., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 141,474
Term of patent 14 years
(Cl. D52—1)



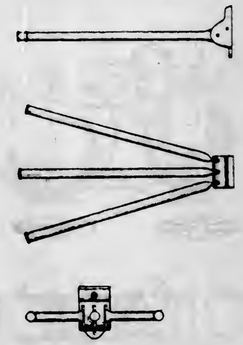
The ornamental design for a gas meter, substantially as shown and described.

155,146
DESIGN FOR A COMBINED CIGARETTE AND LIGHTER HOLDER
Edward San Giovanni, Ridgefield, Conn., and Ernest Sohn, New York, N. Y.; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y.
Application June 23, 1948, Serial No. 147,138
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combined cigarette and lighter holder, as shown and described.

155,147
DESIGN FOR A TOWEL HOLDER
Samuel Goldreich, Middletown, Conn., assignor to Raymond Products, Inc., Middletown, Conn., a corporation of Connecticut
Application March 26, 1948, Serial No. 145,387
Term of patent 7 years
(Cl. D33—16)



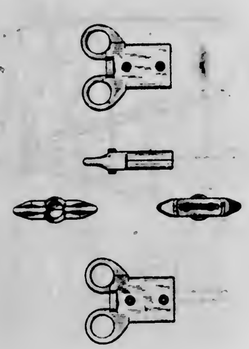
The ornamental design for a towel holder, as shown.

155,148
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Harry Gorman, Lawrence, N. Y., assignor to Millbrook Manufacturing Corp., New York, N. Y., a corporation of New York
Application May 6, 1948, Serial No. 146,204
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

155,149
DESIGN FOR AN ELECTRICAL PLUG CONNECTION
Wayne T. Gossard, Los Angeles, Calif.
Application April 20, 1948, Serial No. 145,831
Term of patent 14 years
(Cl. D26—1)



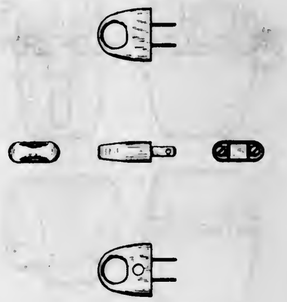
The ornamental design for an electrical plug connection, substantially as shown.

155,150
DESIGN FOR AN ELECTRICAL PLUG
Wayne T. Gossard, Los Angeles, Calif.
Application April 20, 1948, Serial No. 145,832
Term of patent 14 years
(Cl. D26—1)



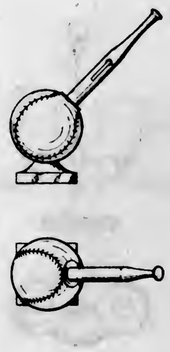
The ornamental design for an electrical plug, substantially as shown.

155,151
DESIGN FOR AN ELECTRICAL WALL PLUG
Wayne T. Gossard, Los Angeles, Calif.
Application June 3, 1949, Serial No. 3,035
Term of patent 14 years
(Cl. D26—1)



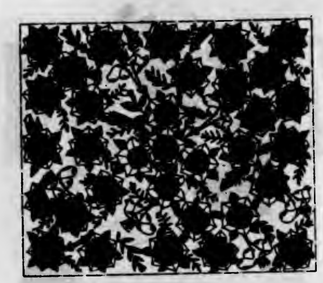
The ornamental design for an electrical wall plug, substantially as shown.

155,152
DESIGN FOR A DESK PEN UNIT
Julius Greenstein and Harold Sack, New York, N. Y., assignors to The Pen-Rite Corp., Flushing, N. Y., a corporation of New York
Application October 26, 1946, Serial No. 134,282
Term of patent 3½ years
(Cl. D74—1)



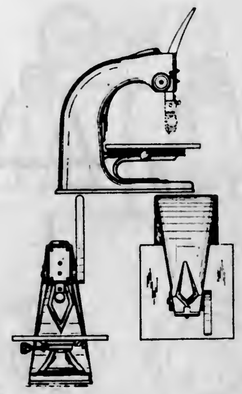
The ornamental design for a desk pen unit, as shown.

155,153
DESIGN FOR A PLASTIC FILM MATERIAL
Jack Gross and Paul Stern, Brooklyn, N. Y.
Application August 18, 1948, Serial No. 148,155
Term of patent 3½ years
(Cl. D92—1)



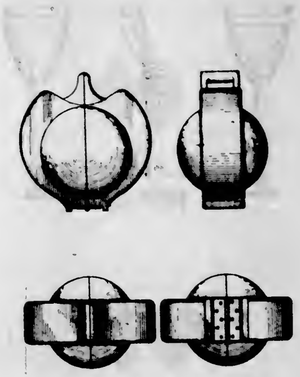
The ornamental design for a plastic film material, as shown and described.

155,154
DESIGN FOR A STAMPING MACHINE
Olaf Halvorsen, Jacksonville, Fla.
Application December 8, 1947, Serial No. 143,037
Term of patent 7 years
(Cl. D63—1)



The ornamental design for a stamping machine, as shown and described.

155,155
DESIGN FOR A COMBINED BOWLING BALL AND SHOE CARRIER
Myron L. Haney, Evanston, Ill.
Application August 1, 1947, Serial No. 140,650
Term of patent 3½ years
(Cl. D34—5)



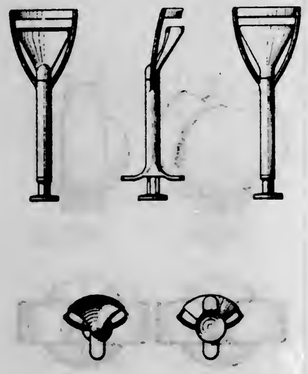
The ornamental design for a combined bowling ball and shoe carrier, substantially as shown.

155,156
DESIGN FOR SAFETY PAPER OR ARTICLE OF SIMILAR NATURE
John H. Harland, Atlanta, Ga., assignor to John H. Harland Company, Atlanta, Ga., a corporation of Georgia
Application August 27, 1948, Serial No. 148,334
Term of patent 7 years
(Cl. D59—6)



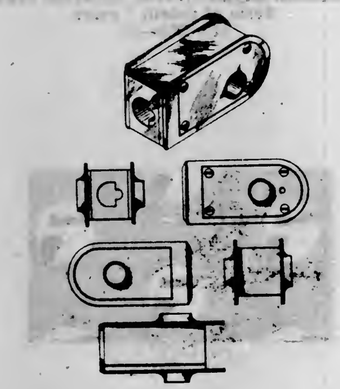
The ornamental design for safety paper or article of similar nature, as shown.

155,157
DESIGN FOR AN EYELASH CURLER
Eve Byrne Hickey, Mill Valley, Calif.
Application July 19, 1947, Serial No. 140,379
Term of patent 14 years
(Cl. D86—10)



The ornamental design for an eyelash curler, substantially as shown.

155,158
DESIGN FOR A DOOR LOCK CASE
Carl A. Hiligren, Los Angeles, Calif.
Application September 16, 1947, Serial No. 141,424
Term of patent 7 years
(Cl. D50—5)



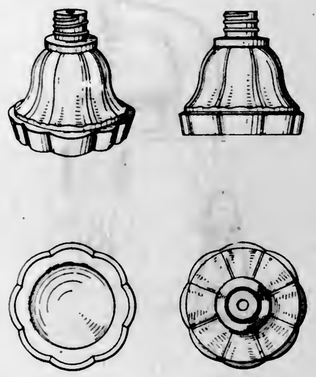
The ornamental design for a door lock case, substantially as shown.

155,159
DESIGN FOR A HAT
G Howard Hodge, New York, N. Y.
Application July 29, 1948, Serial No. 147,826
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown.

155,160
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Kim Hoffmann and Stephen Heidrich, New York, N. Y., assignors to Xpray Corporation, New York, N. Y., a corporation of New York
Application June 25, 1947, Serial No. 139,917
Term of patent 3½ years
(Cl. D58—8)



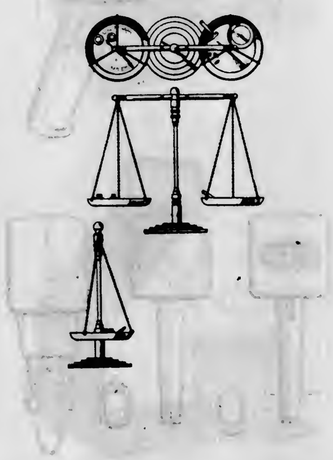
The ornamental design for a bottle or similar article, as shown.

155,161
DESIGN FOR A CLOTHES HAMPER
Iva Jacobson, Hamilton, Mont.
Application March 5, 1947, Serial No. 137,253
Term of patent 3½ years
(Cl. D58—4)



The ornamental design for a clothes hamper, as shown.

155,162
DESIGN FOR A MANTEL ORNAMENT OR SIMILAR ARTICLE
Albert C. Jensen, Mountain View, Calif.
Application September 26, 1947, Serial No. 141,589
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a mantel ornament or similar article, as shown.

155,163
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 5, 1949, Serial No. 1,227
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

155,164
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 5, 1949, Serial No. 1,228
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

155,165
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 29, 1949, Serial No. 3,616
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown.

155,166
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application June 29, 1949, Serial No. 3,620
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,167
DESIGN FOR A RING
Floyd C. Kerchner, Cincinnati, Ohio
Application April 18, 1949, Serial No. 2,106
Term of patent 14 years
(Cl. D45—4)





The ornamental design for a ring, as shown and described.

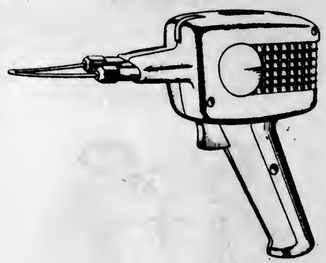
155,168
DESIGN FOR A TOWEL BAR SUPPORT
Mildred P. Kiehl, Trenton, N. J.
Application February 28, 1948, Serial No. 144,820
Term of patent 14 years
(Cl. D33—16)

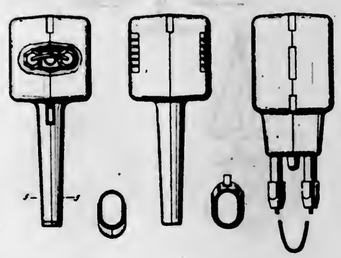




The ornamental design for a towel bar support, as shown.

155,169
DESIGN FOR AN ELECTRIC SOLDERING TOOL
Walter A. Kuehl, Chicago, Ill.
Application November 12, 1948, Serial No. 149,591
Term of patent 14 years
(Cl. D26—1)





The ornamental design for an electric soldering tool, as shown.

155,170
DESIGN FOR A WET AND DRY BULB THERMOMETER ASSEMBLY
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application December 8, 1947, Serial No. 143,039
Term of patent 14 years
(Cl. D52—7)



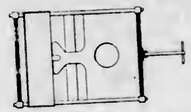




The ornamental design for a wet and dry bulb thermometer assembly, as shown.

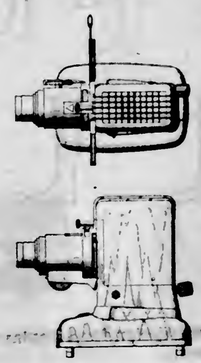
155,171
DESIGN FOR A COMBINED BABY SEAT AND PLAY PEN
Gertrude Levy, Brooklyn, N. Y.
Application June 27, 1947, Serial No. 139,966
Term of patent 3½ years
(Cl. D34—15)



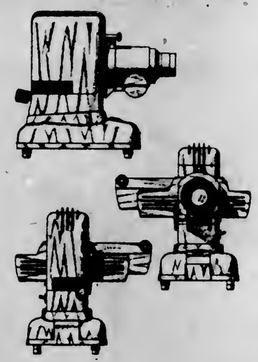


The ornamental design for a combined baby seat and play pen, as shown.

155,172
DESIGN FOR A SLIDE PROJECTOR OR SIMILAR ARTICLE
George K. Lewis, Chicago, Ill., assignor to Three Dimension Company, Chicago, Ill., a corporation of Illinois
Application January 28, 1949, Serial No. 537
Term of patent 7 years
(Cl. D61—1)

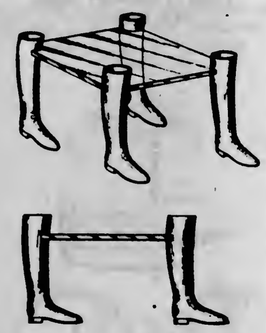


155,172—Continued



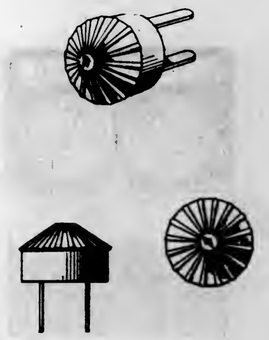
The ornamental design for a slide projector or similar article, substantially as shown.

155,173
DESIGN FOR A DISPLAY STAND
Leon Mandel, Chicago, Ill., assignor to Mandel Brothers, Inc., Chicago, Ill., a corporation of Delaware
Application September 11, 1947, Serial No. 141,306
Term of patent 7 years
(Cl. D30—9)



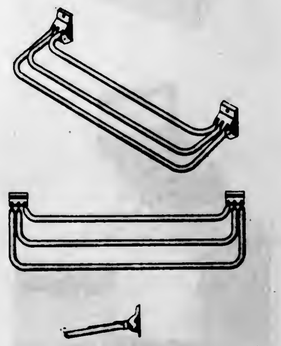
The ornamental design for a display stand, substantially as shown.

155,174
DESIGN FOR AN ELECTRIC OUTLET PLUG
Lewis Earl Martin, Lewes, Del.
Application April 27, 1948, Serial No. 145,997
Term of patent 3½ years
(Cl. D26—1)



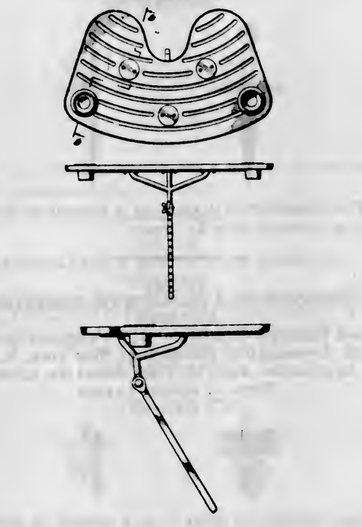
The ornamental design for an electric outlet plug, as shown.

155,175
DESIGN FOR A TOWEL HOLDER
Milton Marsh, Plainville, Samuel Goldreich, Middletown, and Louis C. Farley, Wethersfield, Conn., assignors to Raymond Products, Inc., Middletown, Conn., a corporation of Connecticut
Application February 6, 1948, Serial No. 144,326
Term of patent 14 years
(Cl. D32—16)



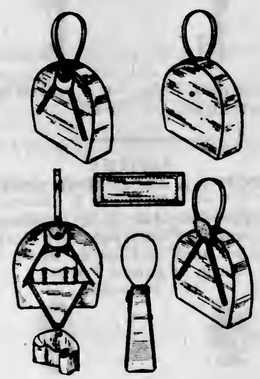
The ornamental design for a towel holder, as shown.

155,176
DESIGN FOR A HAIRDRESSER'S TINT TRAY
Lucy B. Melendez and Pedro Melendez, Los Angeles, Calif.
Application July 12, 1948, Serial No. 147,506
Term of patent 14 years
(Cl. D36—10)



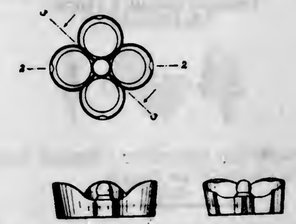
The ornamental design for a hairdresser's tint tray, as shown.

155,177
DESIGN FOR A HANDBAG
Edwin B. Nathan, Bronx, N. Y.
Application June 9, 1948, Serial No. 146,844
Term of patent 7 years
(Cl. D87—3)



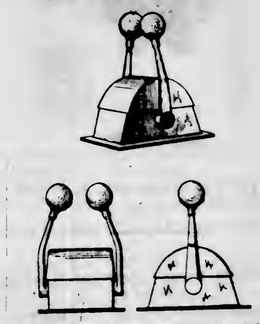
The ornamental design for a handbag, as shown.

155,178
DESIGN FOR A GEM MOUNTING
Marianne Ostier, New York, N. Y.
Application January 5, 1949, Serial No. 76
Term of patent 7 years
(Cl. D45—1)



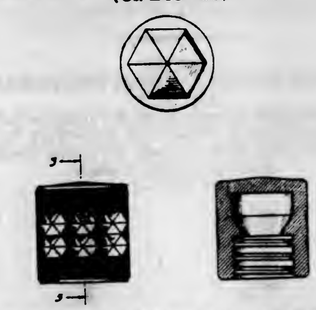
The ornamental design for a gem mounting, as shown.

155,179
DESIGN FOR A DUAL HANDLE CONTROL
Erwin J. Panish, Bridgeport, Conn.
Application January 4, 1949, Serial No. 39
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a dual handle control, as shown.

155,180
DESIGN FOR A CONTAINER CAP OR SIMILAR ARTICLE
George Pavlinetz, Carteret, N. J.
Application November 28, 1947, Serial No. 142,865
Term of patent 14 years
(Cl. D58—26)



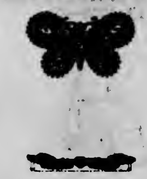
The ornamental design for a container cap or similar article, as shown.

155,181
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application March 5, 1949, Serial No. 1,239
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,182
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application March 5, 1949, Serial No. 1,240
Term of patent 7 years
(Cl. D45—19)



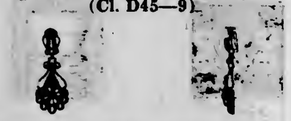
The ornamental design for a brooch or similar article, substantially as shown.

155,183
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application March 26, 1949, Serial No. 1,642
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,184
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,006
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,185
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,007
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,186
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,008
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,187
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,009
Term of patent 7 years
(Cl. D45—19)



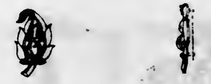
The ornamental design for a brooch or similar article, substantially as shown.

155,188
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,010
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,189
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,011
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,190
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,012
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,191
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 16, 1949, Serial No. 2,084
Term of patent 7 years
(Cl. D45—9)



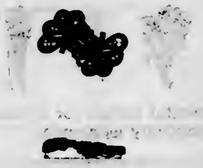
The ornamental design for an earring or similar article, substantially as shown.

155,192
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 16, 1949, Serial No. 2,085
Term of patent 7 years
(Cl. D45—9)



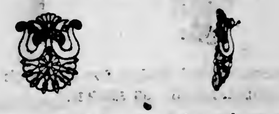
The ornamental design for an earring or similar article, substantially as shown.

155,193
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 23, 1949, Serial No. 2,221
Term of patent 7 years
(Cl. D45—19)



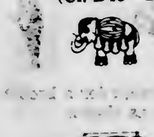
The ornamental design for a brooch or similar article, substantially as shown.

155,194
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 6, 1949, Serial No. 2,481
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,195
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 6, 1949, Serial No. 2,482
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,196
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 6, 1949, Serial No. 2,483
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,197
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 6, 1949, Serial No. 2,484
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,198
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 13, 1949, Serial No. 2,636
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,199
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 13, 1949, Serial No. 2,637
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,200
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,653
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,201
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,655
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,202
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,656
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,203
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,657
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

155,204
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 20, 1949, Serial No. 2,726
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,205
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,152
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

155,206
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,153
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,207
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,154
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,208
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,155
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,209
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,156
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,210
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,157
Term of patent 7 years
(Cl. D45—19)



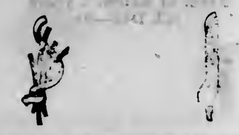
The ornamental design for a brooch or similar article, substantially as shown.

155,211
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,158
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,212
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,159
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,213
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 9, 1949, Serial No. 3,160
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,214
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,318
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,215
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,476
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,216
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,477
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,217
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,478
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,218
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,479
Term of patent 7 years
(Cl. D45—19)



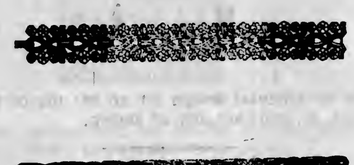
The ornamental design for a brooch or similar article, substantially as shown.

155,219
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,480
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

155,220
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,481
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

155,221
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,311
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,222
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,312
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

155,223
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,313
Term of patent 7 years
(Cl. D45—16)



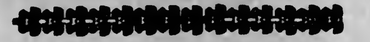
The ornamental design for a necklace or similar article, substantially as shown and described.

155,224
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,319
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

155,225
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 2,329
Term of patent 7 years
(Cl. D45—4)



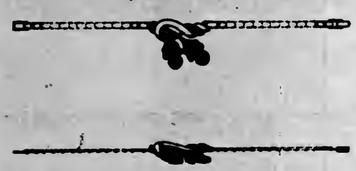
The ornamental design for a bracelet or similar article, substantially as shown and described.

155,226
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,471
Term of patent 7 years
(Cl. D45—16)



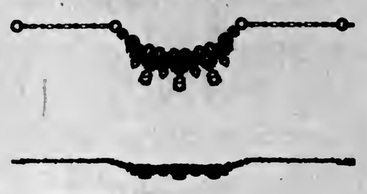
The ornamental design for a necklace or similar article, substantially as shown and described.

155,227
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,472
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article substantially as shown and described.

155,228
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,473
Term of patent 7 years
(Cl. D45—16)



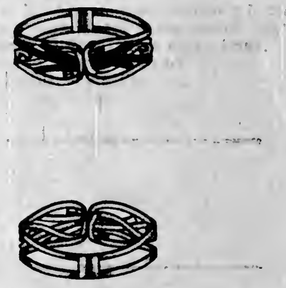
The ornamental design for a necklace or similar article, substantially as shown and described.

155,229
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,475
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,230
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,482
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

155,231
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 2,483
Term of patent 7 years
(Cl. D45—4)

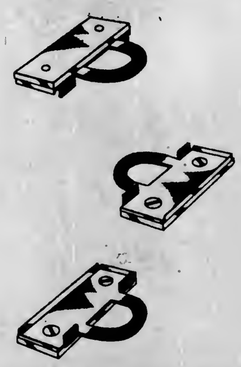


The ornamental design for a bracelet or similar article, substantially as shown and described.

155,232
DESIGN FOR A BLOCK MOUNTED SET OF LETTERS AND NUMERALS
Paul A. Price, Sunnyside, N. N. Y.
Application February 7, 1949, Serial No. 732
Term of patent 14 years
(Cl. D64—12)

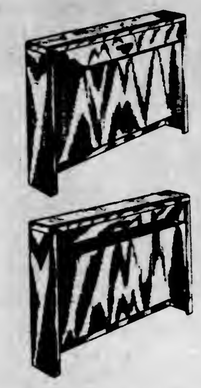
The ornamental design for a block mounted set of letters and numerals, as shown.

155,233
DESIGN FOR A BUTT GAUGE
William A. Priebe, Los Angeles, Calif.
Application September 23, 1946, Serial No. 133,507
Term of patent 14 years
(Cl. D52—1)



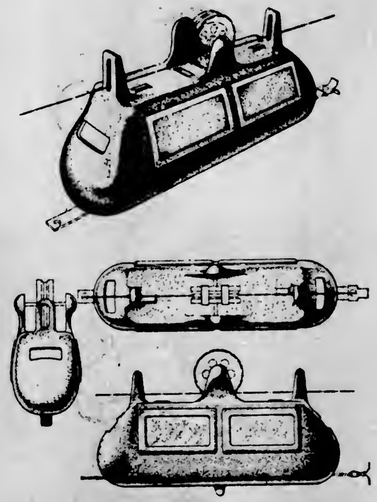
The ornamental design for a butt gauge, substantially as shown.

155,234
DESIGN FOR A CONVECTOR CABINET
Jean O. Reinecke, Oak Park, Ill., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 4, 1948, Serial No. 144,280
Term of patent 14 years
(Cl. D61—21)



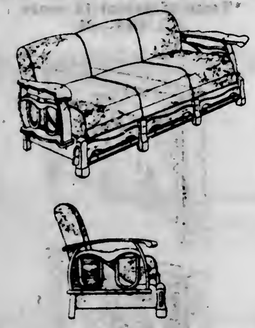
The ornamental design for a convector cabinet, as shown.

155,235
DESIGN FOR A CABLE CAR BODY
Edwin O. Roggenstein, Norwalk, Conn., assignor to Elec-Trick Toys Inc., Utica, N. Y., a corporation of New York, Robert Groben, Utica, N. Y, as trustee in bankruptcy
Application October 18, 1947, Serial No 142,004
Term of patent 14 years
(Cl. D34—15)



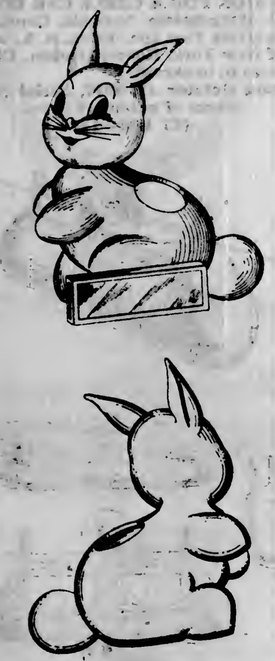
The ornamental design for a cable car body, substantially as shown and described.

155,236
DESIGN FOR A SOFA
Abe L. Rothstein, Newton, Mass.
Application October 20, 1947, Serial No. 142,017
Term of patent 7 years
(Cl. D15—11)



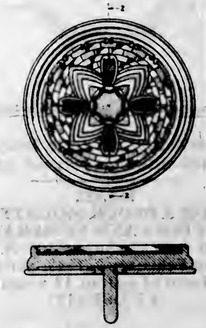
The ornamental design for a sofa, as shown and described.

155,237
DESIGN FOR A COMBINED PLACE CARD AND FLOWER HOLDER
Edna L. Sanders, Laytonville, Calif.
Application January 17, 1947, Serial No. 136,196
Term of patent 3½ years
(Cl. D35—3)



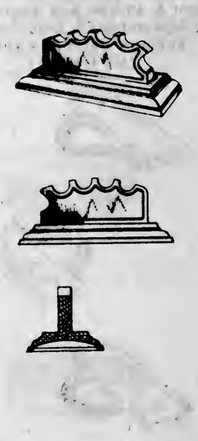
The ornamental design for a combined place card and flower holder, as shown.

155,238
DESIGN FOR AN ARMREST TRAY
Arthur L. Skells, Redlands, Calif.
Application February 14, 1949, Serial No. 851
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an armrest tray, substantially as shown.

155,239
DESIGN FOR A MANICURIST HAND SUPPORT
William C. Smith, East Liverpool, Ohio
Application March 11, 1948, Serial No. 145,024
Term of patent 7 years
(Cl. D86—10)



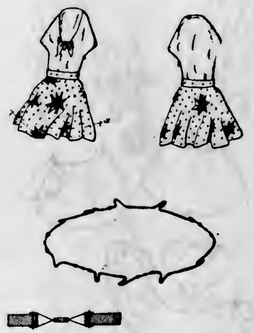
The ornamental design for a manicurist hand support, substantially as shown.

155,240
DESIGN FOR A MEASURING PITCHER
Nick Softis, St. Louis, Mo.
Application September 2, 1947, Serial No. 141,168
Term of patent 3½ years
(Cl. D44—21)



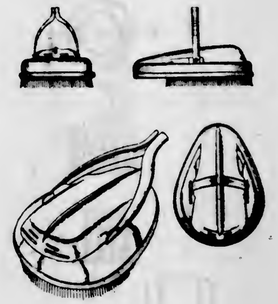
The ornamental design for a measuring pitcher, as shown.

155,241
DESIGN FOR A BATHING SUIT OR SIMILAR ARTICLE
Albert L. Sommers and Albert Young, Newburgh, N. Y.
Application May 3, 1948, Serial No. 146,134
Term of patent 7 years
(Cl. D3—17)



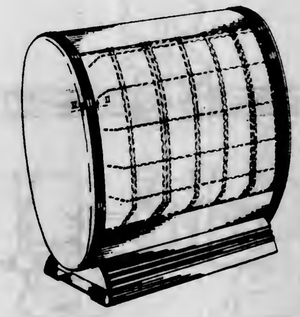
The ornamental design for a bathing suit or similar article, as shown and described.

155,242
DESIGN FOR A FLOOR POLISHER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
Application March 6, 1948, Serial No. 144,933
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a floor polisher, as shown.

155,243
DESIGN FOR A CASING FOR AN ELECTRIC HEATER
Carl W. Sundberg, Detroit, Mich., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application February 10, 1947, Serial No. 136,803
Term of patent 14 years
(Cl. D81—10)



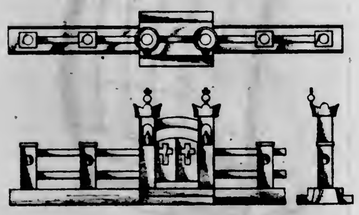
The ornamental design for a casing for an electric heater, as shown and described.

155,244
DESIGN FOR A COFFEE MAKER
Elmer H. Thompson, Longmeadow, Mass.
Application February 12, 1948, Serial No. 144,425
Term of patent 14 years
(Cl. D44—26)



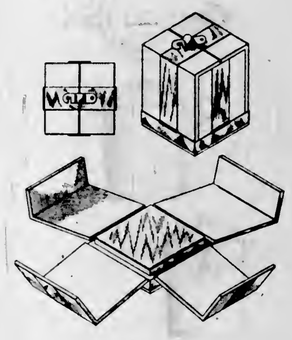
The ornamental design for a coffee maker, as shown.

155,245
DESIGN FOR A COMBINED FENCE AND GATE
Luigi Vecchio, Syracuse, N. Y.
Application December 19, 1947, Serial No. 143,242
Term of patent 14 years
(Cl. D28—1)



The ornamental design for a combined fence and gate, as shown.

155,246
DESIGN FOR A BOX
Josephine von Miklos, New Canaan, Conn., assignor to Jacqueline Cochran, Indio, Calif.
Application April 19, 1947, Serial No. 138,501
Term of patent 14 years
(Cl. D58—12)



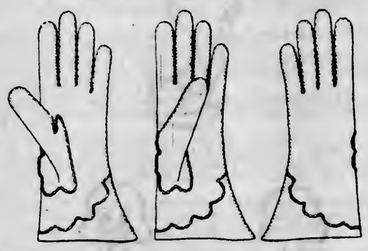
The ornamental design for a box, substantially as shown.

155,247
DESIGN FOR A FINGERLESS GLOVE
Margaret Wiesenthal, New York, N. Y., assignor to Gloria Gloves, Inc., New York, N. Y., a corporation of New York
Application April 20, 1948, Serial No. 145,823
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a fingerless glove, substantially as shown and described.

155,248
DESIGN FOR A GLOVE
Margaret Wiesenthal, New York, N. Y., assignor to Gloria Gloves, Inc., New York, N. Y., a corporation of New York
Application April 20, 1948, Serial No. 145,825
Term of patent 3½ years
(Cl. D3—11)



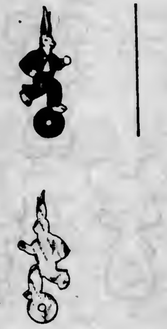
The ornamental design for a glove, substantially as shown.

155,249
DESIGN FOR A CLOCK HAND OR SIMILAR ARTICLE
James Edgar Vincent Winterbourne, Cricklewood, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company
Application October 27, 1947, Serial No. 142,162
In Great Britain July 4, 1947
Term of patent 14 years
(Cl. D42—10)



The ornamental design for a clock hand or similar article, substantially as shown.

155,250
DESIGN FOR A CLOCK HAND OR SIMILAR ARTICLE
James Edgar Vincent Winterbourne, Cricklewood, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company
Application October 27, 1947, Serial No. 142,161
In Great Britain July 4, 1947
Term of patent 14 years
(Cl. D42—10)



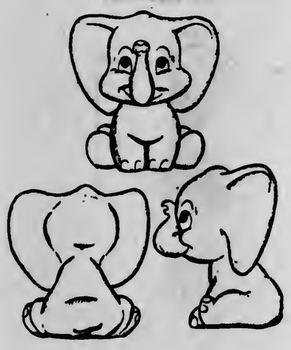
The ornamental design for a clock hand or similar article, substantially as shown.

155,251
DESIGN FOR A TOY ANIMAL FIGURE
Bern Wolf, Los Angeles, Calif.
Application April 23, 1948, Serial No. 145,921
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a toy animal figure, substantially as shown.

155,252
DESIGN FOR A TOY ANIMAL FIGURE
Bern Wolf, Los Angeles, Calif.
Application April 23, 1948, Serial No. 145,922
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a toy animal figure, substantially as shown.

155,253
DESIGN FOR A TOY ANIMAL FIGURE
Bern Wolf, Los Angeles, Calif.
Application April 23, 1948, Serial No. 145,923
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy animal figure, substantially as shown.

155,254
DESIGN FOR A TOY ANIMAL FIGURE
Bern Wolf, Los Angeles, Calif.
Application April 23, 1948, Serial No. 145,924
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a toy animal figure, substantially as shown.

155,255
DESIGN FOR A TOY ANIMAL FIGURE
Bern Wolf, Los Angeles, Calif.
Application April 23, 1948, Serial No. 145,925
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a toy animal figure, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

AC Screen Process Company: *See*—
Allison, Thomas E.

Abbeville Mills Corporation, Abbeville, S. C. Textile fabrics in the piece. Serial No. 567,745, Sept. 13. Class 42.

Adams, William, & Sons (Potters) Limited, Tunstall, Stoke-On-Trent, England. Dinnerware, tea ware, breakfast ware, etc. Serial No. 537,274, Sept. 13. Class 30.

Aircraft & Diesel Equipment Corporation, Chicago, Ill. Hydraulic testing equipment. Serial No. 566,682, Sept. 13. Class 26.

Algaederm Inc., Bellingham, Wash. Ointments and lotions. Serial No. 568,773, Sept. 13. Class 6.

Allison, Thomas E., doing business as AC Screen Process Company, Dallas, Tex. Decalcomanias. Serial No. 565,403, Sept. 13. Class 38.

American Air Filter Company, Inc., Louisville, Ky. Nonoily viscous liquids. Serial No. 562,003, Sept. 13. Class 6.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 551,845, Sept. 13. Class 46.

American Cyanamid Company, New York, N. Y. Dicyandiamide for use in paper manufacture. Serial No. 564,751, Sept. 13. Class 6.

American Machine and Foundry Company, Brooklyn, and New York, N. Y. Sealers for packaging machines and wrapping machines and parts and accessories therefor. Serial No. 494,767, Sept. 13. Class 23.

American Tag Company, Chicago, Ill. Printed tags and pin tickets, embossed seals, display cards. Serial No. 530,905, Sept. 13. Class 38.

American Type Foundries, Incorporated, Elizabeth, N. J. Printing presses and sheet feeders. Serial No. 542,730, Sept. 13. Class 23.

American Typesetting Corporation, Chicago, Ill. Transparent legend sheets. Serial No. 497,157, Sept. 13. Class 26.

Andrews-Alderfer Processing Company, Incorporated, Akron, Ohio. Elastic thread. Serial No. 554,850, Sept. 13. Class 43.

Andrews, Mark B., doing business as The Mark Andrews Company, Kirkwood, Mo. Pressure sensitive tape. Serial No. 518,810, Sept. 13. Class 5.

Andrews, Mark, Company, The: *See*—
Andrews, Mark B.

Anemostat Corporation of America, New York, N. Y. Instrument for measuring the temperature, velocity, and other conditions of air and gases. Serial No. 566,964, Sept. 13. Class 26.

Ansul Chemical Company, Marinette, Wis. Comminuted free-flowing, fire-extinguishing dry chemical. Serial No. 564,546, Sept. 13. Class 6.

Armour and Company, Chicago, Ill. Upper leather. Serial No. 543,059, Sept. 13. Class 1.

Armour and Company, Chicago, Ill. Upper leather. Serial No. 543,066, Sept. 13. Class 1.

Armour and Company, Chicago, Ill. Upper leather. Serial No. 543,074, Sept. 13. Class 1.

Armour and Company, Chicago, Ill. Upper leather. Serial No. 543,077, Sept. 13. Class 1.

Armour and Company, Chicago, Ill. Sole leather. Serial No. 543,389, Sept. 13. Class 1.

Armour and Company, Chicago, Ill. Sole leather. Serial Nos. 543,401–2, Sept. 13. Class 1.

Armstrong Cork Company, Manheim Township, Pa. Cork, synthetic rubber, and cork and synthetic rubber roll covers. Serial No. 517,284, Sept. 13. Class 23.

Associated Merchandising Corporation, The, New York, N. Y. Nurses' uniforms. Serial No. 560,958, Sept. 13. Class 39.

Associated Needlecrafts, New York, N. Y. Utility knit bags. Serial No. 569,733, Sept. 13. Class 3.

Athey Products Corporation, Chicago, Ill. Trailers. Serial No. 512,761, Sept. 13. Class 19.

Automatic Devices Co.: *See*—
Kucera, Henry T.

Azzarello, Jas. V., El Centro, Calif. Fresh vegetables. Serial No. 557,656, Sept. 13. Class 46.

B. T. S. Company, The, Summit, N. J. Butter taste stabilizer. Serial No. 517,763, Sept. 13. Class 46.

Bachmann Bros., Inc., Philadelphia, Pa. Sun glasses. Serial No. 519,166, Sept. 13. Class 26.

Bailey, George S., Hat Co., Inc., Los Angeles, Calif. Men's hats. Serial No. 555,482, Sept. 13. Class 39.

Baldwin Rubber Company, Pontiac, Mich. Rubber and rubber compositions floor mats. Serial No. 540,626, Sept. 13. Class 50.

Barron-Gray Packing Company, San Jose, Calif. Canned fruit and canned fruit cocktail. Serial No. 554,081, Sept. 13. Class 46.

Basic Publications, Inc., New York, N. Y. Magazine. Serial No. 567,065, Sept. 13. Class 38.

Baum, Ferdinand L., Providence, R. I. Necklaces, chokers, bracelets, etc. Serial No. 555,335, Sept. 13. Class 28.

Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle lenses. Serial No. 566,688, Sept. 13. Class 26.

Behrens, Armin A., New York, N. Y. Manipulatable slide chart. Serial No. 556,803, Sept. 13. Class 26.

Bell & Gossett Company, Morton Grove, Ill. Thermostats, clock thermostats, electrical controls. Serial No. 531,424, Sept. 13. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture projectors and motion picture film cleaners. Serial No. 529,574, Sept. 13. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture cameras, motion picture projectors, etc. Serial No. 543,678, Sept. 13. Class 26.

Bendix Aviation Corporation, Detroit, Mich. Sonic depth indicators and recorders. Serial No. 482,970, Sept. 13. Class 26.

Bendix Aviation Corporation, Detroit, Mich. Fluid filters of the surface filtration type. Serial Nos. 516,169–70, Sept. 13. Class 31.

Bendix Aviation Corporation, Detroit, Mich. Radio equipment and radio communication systems and equipment and parts and accessories therefor. Serial Nos. 549,876–7, Sept. 13. Class 21.

Best & Co., Inc., New York, N. Y. Hand bags, hat boxes, suit cases, etc. Serial No. 541,725, Sept. 13. Class 3.

Big Bear-Little Bear Corporation of America, Atlanta, Ga. Toilet seats. Serial No. 562,908, Sept. 13. Class 13.

Blackburn, Jasper, Products Corporation, St. Louis, Mo. Solderless connectors. Serial No. 528,986, Sept. 13. Class 21.

Bon Dana Sportswear Co., New York, N. Y. Women's beach and sportswear. Serial No. 517,681, Sept. 13. Class 39.

Boott Mills, Lowell, Mass. Corduroy fabrics and other fabrics in the piece. Serial No. 568,142, Sept. 13. Class 42.

Bowman Dairy Company, Chicago, Ill. Fluid milk and cream. Serial No. 529,352, Sept. 13. Class 46.

Brann, Donald R., Pleasantville, N. Y. Patterns and instructions for the construction of furniture, doll houses, toys and the like. Serial No. 522,119, Sept. 13. Class 26.

Brown-Saltman: *See*—
Brown-Saltman Furniture Co.

Brown-Saltman Furniture Co., South Gate, Calif., assignee of Brown-Saltman. Davenports, club chairs, occasional chairs, etc. Serial No. 504,880, Sept. 13. Class 32.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Electrically operated lathe. Serial No. 513,491, Sept. 13. Class 23.

Buda Company, The, Harvey, Ill. Diesel nozzle tester. Serial No. 527,753, Sept. 13. Class 26.

Burlington Mills Corporation, Greensboro, N. C. Men's cotton half hose and men's wool half hose. Serial No. 541,079, Sept. 13. Class 39.

Burnham & Morrill Company, Portland, Maine. Canned clams, clam chowder and clam bouillon. Serial No. 544,846, Sept. 13. Class 46.

Burson Knitting Company, Rockford, Ill. Hosiery. Serial No. 535,126, Sept. 13. Class 39.

Cameron Iron Works, Houston, Tex. Casing cutters, blowout preventers, well packers, etc. Serial No. 529,353, Sept. 13. Class 23.

Cast's, Edna, Garden of the Setting Sun: *See*—
Garden of the Setting Sun, Inc.

Cella Vineyards, Cella Station, Calif. Grape juice. Serial No. 561,653, Sept. 13. Class 45.

Central Tea Company, The: *See*—
Cook Coffee Company, The.

Chattanooga Implement & Manufacturing Company, Chattanooga, Tenn. Gas circulator and space heaters, firelighters, portable grate baskets, etc. Serial No. 512,157, Sept. 13. Class 34.

Chicago Railway Equipment Company, Chicago, Ill. Railway vehicle brake beams, brake beam heads, brake beam trusses, etc. Serial No. 565,529, Sept. 13. Class 19.

Chiksan Company, Brea, Calif. Lubricating oils and lubricating greases. Serial No. 540,035, Sept. 13. Class 15.

Chin, George M., Irvington, N. J. Calculating sliding scale and chart. Serial No. 528,116, Sept. 13. Class 26.

Christians, H. C., Co., Johnson Creek, Wis., and Chicago, Ill. Butter. Serial No. 549,510, Sept. 13. Class 46.

Church Grape Juice Company, Kennewick, Wash. Grape juice. Serial No. 546,658, Sept. 13. Class 45.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts, under shorts for men, and handkerchiefs and neckties for men and boys. Serial No. 550,668, Sept. 13. Class 39.

Cohen, S., & Co. Inc., New York, N. Y. Ladies' and misses' slips, nightgowns, camisoles, etc. Serial No. 556,318, Sept. 13. Class 39.

Colorado Milling & Elevator Co., The, doing business under the style name of Pueblo Flour Mills, Denver and Pueblo, Colo. Wheat flour. Serial No. 552,227, Sept. 13. Class 46.

Colorado Milling & Elevator Co., The, doing business as The Mesa Flour Mills, Denver and Grand Junction, Colo. Wheat flour. Serial No. 552,228, Sept. 13. Class 46.
Continental Mills, Inc., Philadelphia, Pa. Men's, women's, boys', girls', children's and infants' overcoats, topcoats, coats, suits, etc. Serial No. 548,804, Sept. 13. Class 39.
Cook, A. D., Incorporated, Lawrenceburg, Ind. Deep well pumps; steam pumping engines; deep well power heads; etc. Serial No. 522,047, Sept. 13. Class 23.
Cook Coffee Company, The, also trading under the trade names of The Central Tea Company, The Home Tea Company, and The India Tea Company, Cleveland, Ohio. Powdered preparation for making a cocoa flavored food drink; orange pekoe and pekoe tea, etc. Serial No. 547,235, Sept. 13. Class 46.
Coors, Adolph, Company, Golden, Colo. Malt cereal beverages. Serial No. 546,160, Sept. 13. Class 48.
Cordes, Jules V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the relief of rheumatism. Serial No. 566,589, Sept. 13. Class 6.
Cory Corporation, Chicago, Ill. Coffee measuring cups. Serial No. 566,092, Sept. 13. Class 26.
Costigan, Raymond J., West Hartford, Conn. Clocks. Serial No. 564,253, Sept. 13. Class 27.
Cottontail Textile Corp., New York, N. Y. Cotton, rayon, wool, silk piece goods. Serial No. 565,316, Sept. 13. Class 42.
Covina Citrus Association, Covina, Calif. Fresh citrus fruits. Serial No. 537,788, Sept. 13. Class 46.
Cozza Bros., Los Angeles, Calif. Fresh vegetables. Serial No. 555,486, Sept. 13. Class 46.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 546,667, Sept. 13. Class 34.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 547,972, Sept. 13. Class 34.
Crown Cork Specialty Corporation, Decatur, Ill. Closures for glass and metallic containers. Serial No. 549,316, Sept. 13. Class 50.
Cudahy Packing Company, The, Chicago, Ill. Oil soap. Serial No. 555,369, Sept. 13. Class 4.
Culligan Zeolite Company, Northbrook, Ill. Water softeners of the zeolite type. Serial No. 530,625, Sept. 13. Class 31.
Cussins and Fearn Company, The, Columbus, Ohio. Sink cabinets, stationary laundry tubs and trays, etc. Serial No. 552,954, Sept. 13. Class 13.
Dabs Creations, Inc., Chicago, Ill. Wood, leather, and leatherette boxes. Serial No. 555,252, Sept. 13. Class 2.
Dalton Foundries, Inc., The, Warsaw, Ind. Automobile accessories. Serial No. 555,254, Sept. 13. Class 23.
De Bernardi, D. F., & Co., Inc., San Francisco, Calif. Vegetable salad oil. Serial No. 549,133, Sept. 13. Class 46.
Detrex Corporation, Detroit, Mich. Metal cleaning solvents, alkali cleaners, floor cleaners, etc. Serial No. 546,973, Sept. 13. Class 4.
Dewhirst, John, & Co., Limited, Elland, England. Coloured yarns. Serial No. 571,120, Sept. 13. Class 43.
Diebold, Incorporated, Canton, Ohio. Photographic films and sensitized photographic papers. Serial No. 564,101, Sept. 13. Class 26.
Ditto, Incorporated, Chicago, Ill. Duplicating machines and parts therefor, and duplicating rolls. Serial No. 554,878, Sept. 13. Class 23.
Dow, Jones & Company, Inc., New York, N. Y. Section of a daily newspaper. Serial No. 563,412, Sept. 13. Class 38.
Dr. Pepper Company, Dallas, Tex. Beverage ice boxes and coolers. Serial No. 526,282, Sept. 13. Class 31.
Drackett Company, The, Cincinnati, Ohio. Chemical preparation. Serial No. 552,386, Sept. 13. Class 6.
Ed-U-Cards, Inc., New York, N. Y. Educational games of playing cards. Serial No. 502,566, Sept. 13. Class 22.
Eisenstadt Manufacturing Company, St. Louis, Mo. Dresser sets. Serial No. 568,782, Sept. 13. Class 40.
Ekco Products Company, Chicago, Ill. Kitchen tools. Serial No. 558,376, Sept. 13. Class 23.
Electric Eye Equipment Company, Danville, Ill. Electronic equipment. Serial No. 549,790–1, Sept. 13. Class 26.
Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric measuring bridges, watt meters, apparatus for indicating relative world times etc. Serial No. 524,961, Sept. 13. Class 26.
Electric Tool Corporation, Racine, Wis. Electric hair clippers. Serial No. 554,963, Sept. 13. Class 23.
Esserman Bros., New York, N. Y. Ladies' fur coats. Serial No. 539,141, Sept. 13. Class 39.
Eversharp, Inc., Chicago, Ill. Safety razor blades. Serial No. 558,381, Sept. 13. Class 23.
Eversharp, Inc., Chicago, Ill. Ladies' safety razors. Serial No. 558,382, Sept. 13. Class 23.
Faesy & Besthoff, Inc., New York, N. Y. Insecticide. Serial No. 559,595, Sept. 13. Class 6.
Fairsex Sportswear, Corp., New York, N. Y. Children's teenage and junior misses' jackets, skirts and suits. Serial No. 560,391, Sept. 13. Class 39.
Fast, John E., & Co., Chicago, Ill. Capacitors, transformer coils, and resistances. Serial No. 556,002, Sept. 13. Class 21.
Fead, John L., & Sons, Port Huron, Mich. Hosiery. Serial No. 550,133, Sept. 13. Class 39.
Federal Telephone & Radio Corporation, Clifton, N. J. Electrically operated switching apparatus. Serial No. 554,890, Sept. 13. Class 21.
Fenton Label Company, Philadelphia, Pa. Gummed paper labels. Serial No. 534,260, Sept. 13. Class 38.
Filbert, J. H., Inc., Baltimore, Md. Oleomargarine. Serial No. 546,489, Sept. 13. Class 46.
First National Stores Inc., Somerville, Mass. Canned sardines, tuna fish, shrimp, and salmon, etc. Serial No. 549,434, Sept. 13. Class 46.
Fitts Cotton Goods Company, Atlanta, Ga. Textile diapers. Serial No. 559,377, Sept. 13. Class 39.
Florentine Hosiery Mills, Philadelphia, Pa. Hosiery. Serial No. 559,015, Sept. 13. Class 39.
Food Fair Stores, Inc., Philadelphia, Pa. Cheese. Serial No. 552,647, Sept. 13. Class 46.
Food Machinery and Chemical Corporation: *See*— Food Machinery Corporation.
Food Machinery Corporation, now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Portable power driven multi-purpose sprayers. Serial No. 558,224, Sept. 13. Class 23.
Forty Winks, Inc., New York, N. Y. Ladies' negligees and pajamas. Serial No. 532,131, Sept. 13. Class 39.
Franklin Railway Supply Company, Wilmington, Del., and New York, N. Y. Appliances for use on railroad rolling stock, and locomotives. Serial No. 530,185, Sept. 13. Class 23.
French, Shriner & Urner Manufacturing Co., Boston, Mass. Men's shoes. Serial No. 557,515, Sept. 13. Class 39.
Friedrich, Ed, Inc., San Antonio, Tex. Electric, commercial, refrigerated display cases. Serial No. 562,257, Sept. 13. Class 31.
Friedrich, Ed, Inc., San Antonio, Tex. Electric, household and commercial, refrigerated food freezers. Serial No. 562,258, Sept. 13. Class 31.
Garden of the Setting Sun, Inc., doing business as Edka Cast's Garden of the Setting Sun, Mecca, Calif. Fresh dates, brandied dates, date butter, etc. Serial No. 541,126, Sept. 13. Class 46.
Gardner Board and Carton Co., The: *See*— Gardner-Richardson Company, The.
Gardner-Richardson Company, The, Middletown, Ohio, now by change of name The Gardner Board and Carton Co. Paperboard traps. Serial No. 548,724, Sept. 13. Class 50.
General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations thereof. Serial No. 562,692, Sept. 13. Class 6.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Soybean oil meal for industrial use. Serial No. 559,839, Sept. 13. Class 1.
Gitler & Co., Inc., New York, N. Y. Fur pelts. Serial No. 559,019, Sept. 13. Class 1.
Gittis, Herman, Philadelphia, Pa. Luggage. Serial No. 543,441, Sept. 13. Class 3.
Gorham Manufacturing Company, Providence, R. I. Sterling silver and silver-plated flatware, hollow ware, and table cutlery. Serial No. 557,748, Sept. 13. Class 28.
Gro-Cord Rubber Company, Lima, Ohio. Soles and heels. Serial No. 557,980, Sept. 13. Class 39.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial Nos. 568,182–3, Sept. 13. Class 27.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 568,185, Sept. 13. Class 27.
Hardwood Products Company, Mayville, Mich. Round wood candy sticks and flat wood ice cream sticks. Serial No. 557,665, Sept. 13. Class 13.
Hartness, Ray A., assignee: *See*— Love-Ford Fruit Company.
Hawes, E .E., doing business as Hawes Packing Company, Higley, Ariz. Fresh vegetables. Serial No. 511,471, Sept. 13. Class 46.
Hawes Packing Company: *See*— Hawes, E. E.
Hawthorne Laboratories: *See*— Wagner, Raymond T.
Hays Corporation, The, Michigan City, Ind. Force measuring transmitter. Serial No. 563,116, Sept. 13. Class 26.
Heiland Research Corporation, Denver, Colo. Electronic flashlight bulb actuating apparatus. Serial No. 521,012, Sept. 13. Class 26.
Heverlein & Co., A. G., Wattwill, Switzerland. Wool-like threads and yarns of rayon. Serial No. 563,537, Sept. 13. Class 43.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Collar buttons, collar holders or bars, lingerie clasps, etc. Serial No. 549,249, Sept. 13. Class 40.
Hill, Fred A., Redlands, Calif. Fresh oranges. Serial No. 478,631, Sept. 13. Class 46.
Hoefler's Centennial Chocolates, Inc., Ltd., San Francisco, Calif. Chocolate coated cream center candies. Serial No. 510,840, Sept. 13. Class 46.
Home Tea Company, The: *See*— Cook Coffee Company, The.
Hunter Brothers Company Inc., Statesville, N. C. Men's and boys' union suits, pajamas, athletic shorts, etc. Serial No .559,709, Sept. 13. Class 39.
Hysan Products Company, Chicago, Ill. Soap. Serial No. 562,060, Sept. 13. Class 4.

India Tea Company, The: *See*— Cook Coffee Company, The.
International Doll Co., Inc., Philadelphia, Pa. Dolls. Serial No. 521,521, Sept. 13. Class 22.
Invincible Metal Furniture Co., Manitowoc, Wis. Office furniture. Serial No. 491,017, Sept. 13. Class 32.
Irish Ropes Limited, Droichead Nua, Eire. Ropes, cords, twines, and strings. Serial No. 563,341, Sept. 13. Class 7.
Jackson Chamber of Commerce, Jackson, Miss. Printed periodical. Serial No. 518,256, Sept. 13. Class 38.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. Serial No. 486,784, Sept. 13. Class 46.
Jel Sert Company, The, Chicago, Ill. Maltless powder for making non-alcoholic soft drinks. Serial No. 562,369, Sept. 13. Class 45.
Jenkins, George O., Company, Bridgewater, Mass. Fibreboard in sheet form. Serial No. 560,897, Sept. 13. Class 50.
Johnson, S. C., & Son, Inc., Racine, Wis. Liquid polish. Serial No. 532,329, Sept. 13. Class 16.
Justi, H. D., & Son, Inc., Philadelphia, Pa. Prepared plastic from which jackets, crowns, inlays, bridges, and artificial teeth are made. Serial Nos. 559,617–18, Sept. 13. Class 44.
Kamm & Schellinger Company, Inc., Mishawaka, Ind. Lager beer. Serial No. 557,279, Sept. 13. Class 48.
Kanmak Textiles Inc., New York, N. Y. Woolen piece goods. Serial No. 570,262, Sept. 13. Class 42.
Kaplan & Lipman, New York, N. Y. Children's and women's rayon, silk, cotton, muslin, and knitted undergarments. Serial No. 566,292, Sept. 13. Class 39.
Kerr Glass Manufacturing Corporation, Sand Springs, Okla. Glass jars and glass containers. Serial No. 533,169, Sept. 13. Class 33.
Kiplinger Editors, Inc., The, Washington, D. C. Weekly agricultural letter. Serial No. 565,129, Sept. 13. Class 38.
Kiplinger Washington Agency, Inc., The, Washington, D. C. Weekly newsletter. Serial No. 565,130, Sept. 13. Class 38.
Koester, E. H., Bakery Company, The, Baltimore, Md. Bakery products. Serial No. 546,930, Sept. 13. Class 46.
Koni, Nicholaus, New York, N. Y. Ornamental plaques, statuary busts, animal statuettes, etc. Serial No. 561,674, Sept. 13. Class 50.
Krasnow Belt Co., Inc., New York, N. Y. Leather garment belts for men. Serial No. 544,880, Sept. 13. Class 39.
Kucera, Henry T., doing business as Automatic Devices Co., Chicago, Ill. Temperature operated control switches for heat transfer system. Serial No. 519,962, Sept. 13. Class 26.
Laboratory Furniture Company, Inc., Long Island City, N. Y. Tables, desks, benches, and cabinets specifically designed and constructed for laboratory purposes. Serial No. 522,506, Sept. 13. Class 26.
Lambert Corporation, Houston, Tex. Water proof paste wax. Serial No. 562,642, Sept. 13. Class 16.
Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Shaving cream and shaving soap. Serial No. 541,554, Sept. 13. Class 4.
Lazarin Company, The, Oceanside, N. Y. Antibiotic ointment. Serial No. 564,698, Sept. 13. Class 6.
Lemlar Manufacturing Co.: *See*— Miller, Lee.
Liebmann Breweries, Inc., Brooklyn, N. Y. Ale. Serial No. 567,524, Sept. 13. Class 48.
Linen Thread Co., Inc., The, New York, N. Y. Thread. Serial Nos. 534,030–1, Sept. 13. Class 43.
Linen Thread Co., Inc., The, New York, N. Y. Twine. Serial No. 534,032, Sept. 13. Class 7.
Linen Thread Co., Inc., The, New York, N. Y. Twine. Serial No. 542,032, Sept. 13. Class 7.
Londex Limited, London, England. Instruments and apparatus for indicating or measuring the flow of gases or liquid. Serial No. 497,728, Sept. 13. Class 26.
Love-Ford Fruit Company, Pharr, Tex., assignee of R. A. Hartness. Fresh citrus fruits and fresh tomatoes. Serial No. 489,176, Sept. 13. Class 46.
Lundgren, Carl J., New York, N. Y. Sterilizing containers for toothbrushes. Serial No. 550,709, Sept. 13. Class 44.
Lydon-Bricher Manufacturing Company, St. Paul, Minn. Protective table pads, and luncheon mats. Serial No. 536,937, Sept. 13. Class 50.
Lynchburg Hosiery Mills, Inc., Lynchburg, Va. Ladies' hosiery. Serial No. 557,054, Sept. 13. Class 39.
M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. Serial No. 547,016, Sept. 13. Class 39.
Malbis Bakery Company, Mobile, Ala. Ginger cakes. Serial No. 560,210, Sept. 13. Class 46.
Marine Optical Mfg. Co., Boston, Mass. Optical frames. Serial No. 567,641, Sept. 13. Class 26.
Markell, Maurice, Brooklyn, N. Y. Men's, women's, and children's shoes and slippers. Serial No. 549,455, Sept. 13. Class 39.
Marshall Field & Company, Chicago, Ill. Women's and misses' hats. Serial No. 533,225, Sept. 13. Class 39.
Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Olives. Serial No. 535,729, Sept. 13. Class 46.
Mayhaw Canning Company, Inc., Laurel, Miss. Canned vegetables. Serial No. 548,978, Sept. 13. Class 46.
Melflex Products Company, Inc., Akron, Ohio. Floor mats and matting and stair treads. Serial No. 548,599, Sept. 13. Class 50.
Mesa Flour Mills, The: *See*— Colorado Milling & Elevator Co., The.
Mid-West Bottle Cap Co., Belvidere, Ill. Milk bottle caps. Serial No. 538,798, Sept. 13. Class 50.
Mid-West Bottle Cap Co., Belvidere, Ill. Dairy bottle caps. Serial No. 562,616, Sept. 13. Class 50.
Miller-Becker Company, The, Cleveland, Ohio. Maltless soft drinks and carbonated waters. Serial No. 552,159, Sept. 13. Class 45.
Miller, Charles, Coat Company, Inc., New York, N. Y. Women's, misses', and junior miss coats, jackets, and suits. Serial No. 562,077, Sept. 13. Class 39.
Miller-Harris Instrument Company, Milwaukee, Wis. Time switches of the horological type. Serial No. 515,323, Sept. 13. Class 26.
Miller, Lee, doing business as Lemlar Manufacturing Co., and also under the fictitious name and style of Lee Miller Company, Gardena, Calif. Metal awnings. Serial No. 534,647, Sept. 13. Class 12.
Milprint, Inc., Milwaukee, Wis. Commodity and merchandising pouches and bags, etc. Serial No. 503,822, Sept. 13. Class 2.
Milwaukee International, Inc., Milwaukee, Wis. Wheel and tire balancing machines. Serial No. 529,913, Sept. 13. Class 23.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switches. Serial No. 527,763, Sept. 13. Class 26.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic regulating and controlling switches. Serial No. 527,813, Sept. 13. Class 26.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combined thermometer and thermostatic control unit. Serial No. 527,815, Sept. 13. Class 26.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature measuring and regulating switches. Serial No. 527,971, Sept. 13. Class 26.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic regulating and controlling switches. Serial No. 529,483, Sept. 13. Class 26.
Minot Flour Mill Company, Minot, N. Dak. Wheat flour. Serial No. 544,366, Sept. 13. Class 46.
Miss Saylor's Chocolates, Inc., Alameda, Calif. Candy. Serial No. 523,286–8, Sept. 13. Class 46.
Moran Towing Corporation, New York, N. Y. Marine towing and transportation services. Serial No. 554,803, Sept. 13. Class 55.
Morgan Furniture Company, Asheville, N. C. Bedroom furniture. Serial No. 559,940, Sept. 13. Class 32.
Morse, Edward H., Attleboro, Mass. Jewelry. Serial No. 510,268, Sept. 13. Class 28.
Morse, Edward H., Attleboro, Mass. Jewelry. Serial No. 510,270, Sept. 13. Class 28.
Motor Wheel Corporation, Lansing, Mich. Corrosion preventing magnesium alloy rod. Serial No. 555,288, Sept. 13. Class 21.
Multi-Clean Products, Incorporated, St. Paul, Minn. Floor varnish, concrete floor varnish, varnish for gymnasium floors and woodworks, etc. Serial No. 557,201, Sept. 13. Class 16.
Nakasheff, P., and Pharmacy, P. Nakasheff: *See*— Nakasheff, Pancho.
Nakasheff, Pancho, doing business as Pancho Nakasheff, P. Nakasheff and Pharmacy P. Nakasheff, Round Hill Farm, R. F. D. 2, Monroe, N. Y. Medicinal preparation. Serial No. 554,917, Sept. 13. Class 6.
National Association of Real Estate Boards, Chicago, Ill. Brokerage of real estate industrial brokerage, farm brokerage, mortgage brokerage, etc. Serial Nos. 540,018–14, Sept. 13. Class 55.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus. Serial No. 545,515, Sept. 13. Class 34.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus. Serial No. 547,268, Sept. 13. Class 34.
National Fruit Canning Co., Seattle, Wash. Canned fruits and berries. Serial No. 553,001, Sept. 13. Class 46.
National Tool Salvage Company, Detroit, Mich. Drills, reamers, milling cutters, and counterbores. Serial No. 555,616, Sept. 13. Class 23.
Neapco Products Inc: *See*— New England Auto Products Corporation.
Neumann, Arthur E., Chicago, Ill. Luminescent stirring rods of plastic material. Serial No. 532,333, Sept. 13. Class 23.
Newark Fire Proof Sash and Door Company, Inc., Newark, N. J. Window ventilators, ovens, humidifiers, etc. Serial No. 539,977, Sept. 13. Class 34.
New England Auto Products Corporation, Pottstown, Pa., now by change of name Neapco Products Inc. Universal joints and parts thereof, etc. Serial No. 530,113, Sept. 13. Class 23.
New York Coal Company, Columbus, Ohio. Coal. Serial No. 554,807, Sept. 13. Class 1.
New York Merchandise Company, Inc., New York, N. Y. Men's shaving and toilet sets. Serial No. 520,175, Sept. 13. Class 50.

Nopco Chemical Company, Harrison, N. J. Vitamin B complex. Serial No. 527,172, Sept. 13. Class 6.
Novadel-Agene Corporation, Belleville, N. J. Flour-enriching compositions. Serial No. 556,464, Sept. 13. Class 6.
Oak Ridge Manufacturing Company, Charleston, S. C. Fountain pens and mechanical pencils. Serial No. 563,356, Sept. 13. Class 37.
Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver flat tableware. Serial No. 571,335, Sept. 13. Class 28.
Pacific Exchange, San Francisco, Calif. Fresh deciduous fruits and fresh grapes. Serial No. 555,619, Sept. 13. Class 46.
Pacific Farm Company, San Jose, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. Serial No. 540,448, Sept. 13. Class 46.
Packaging Industries Limited, Montclair, N. J. Paper, coated with synthetic resin. Serial No. 491,994, Sept. 13. Class 37.
Packard Motor Car Company, Detroit, Mich. Lubricating oil, and rust preventive oil for radiators. Serial No. 540,310, Sept. 13. Class 15.
Parisi, Jules T., doing business as Pekay Machine Co., Chicago, Ill. Automatic unloaders. Serial No. 511,636, Sept 13. Class 26.
Pedigree Fabrics, Inc., New York, N. Y. Woven fabric of rayon or nylon or mixtures thereof. Serial No. 569,988, Sept. 13. Class 42.
Pekay Machine Co.: *See*—
Parisi, Jules T.
Pennsylvania Rubber Company, Jeannette, Pa. Storage batteries. Serial No. 533,683, Sept. 13. Class 21.
Perfect Circle Corporation, Hagerstown, Ind. Advertising novelty in the nature of a mechanical sign. Serial No. 559,727, Sept. 13. Class 50.
Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y. Remover of road tar and road oil, etc. Serial No. 545,879, Sept. 13. Class 4.
Phelon, R. E., Company: *See*—
Phelon, Russell E.
Phelon, Russell E., doing business as R. E. Phelon Company, West Springfield, Mass. Holders for articles of magnetic material. Serial No. 515,388, Sept. 13. Class 23.
Pilot Full Fashion Mills, Inc., Valdese, N. C. Hosiery. Serial No. 557,776, Sept. 13. Class 39.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint products. Serial No. 522,385, Sept. 13. Class 16.
Poe, Ralph W., Canton, Ill. Hand tools. Serial No. 546,789, Sept. 13. Class 23.
Poehlman, John, & Sons, Inc., Baltimore, Md. Butter and eggs. Serial No. 509,874, Sept. 13. Class 46.
Poorman, John E., Philadelphia, Pa. Machine metal lathe and plane tools. Serial No. 554,597, Sept. 13. Class 23.
Prescott, J. L., Company, Passaic, N. J. Polish. Serial No. 567,646, Sept. 13. Class 4.
Printing Industries, Inc., New York, N. Y. Gold stamping presses and embossing presses. Serial No. 555,957, Sept. 13. Class 23.
Prudential Insurance Company of America, The, Newark, N. J. Underwriting of individual and group life insurance. Serial No. 530,019, Sept. 13. Class 55.
Pueblo Flour Mills: *See*—
Colorado Milling & Elevator Co., The.
Pullen, Henry A., doing business as Pullen Pharmacal Company, Detroit, Mich. Liquid lathering compositions for shaving use. Serial No. 521,146, Sept. 13. Class 4.
Pullen Pharmacal Company: *See*—
Pullen, Henry A.
Quaker Oats Company, The, Chicago, Ill. Furfural. Serial No. 562,401, Sept. 13. Class 6.
Radiotime, Inc., Lincoln, Nebr. Periodical publication. Serial No. 565,812, Sept. 13. Class 38.
Rainbow Shops, Inc., Brooklyn, N. Y. Slips, petticoats, nightgowns, etc. Serial No. 534,672, Sept. 13. Class 39.
Rand Rubber Company, Inc., Brooklyn, N. Y. Dress shields. Serial No. 550,554, Sept. 13. Class 40.
Rapid Roller Co., Chicago, Ill. Lithographic offset blankets, drawsheet and gravure impression blankets. Serial No. 541,707, Sept. 13. Class 50.
Red Wing Potteries, Inc., The, Red Wing, Minn. Semi-porcelain vases, flower pots, vegetable dishes, etc. Serial No. 545,647, Sept. 13. Class 30.
Rice-Stix Dry Goods Company, St. Louis, Mo. Window curtains and draperies. Serial No. 561,344, Sept. 13. Class 42.
Richmond-Chase Company, San Jose, Calif. Canned fruits and canned vegetables. Serial No. 550,354, Sept. 13. Class 46.
Riverdale Mfg. Co., Inc., New York, N. Y. Drapes, window curtains, and portieres. Serial No. 567,469, Sept. 13. Class 42.
Rivoli Mills, Incorporated, The, Chattanooga, Tenn. Men's, women's, and children's sweaters, sweat shirts, cardigans, etc. Serial No. 532,059, Sept. 13. Class 39.
Rivoli Mills, Incorporated, The, Chattanooga, Tenn. Men's, women's, and children's sweaters, sweat shirts, cardigans, etc. Serial No. 532,634, Sept. 13. Class 39.
Rochester Shoe Tree Co., Inc., Rochester, N. Y. Shoe trees. Serial No. 536,291, Sept. 13. Class 50.
Rogers, J. Arthur, & Son, Chicago, Ill. Finger rings. Serial No. 570,435, Sept. 13. Class 28.
Ronzoni Macaroni Co., Inc., Long Island City, N. Y. Alimentary pastes, spaghetti sauce, and a cereal food for infants, children, or convalescents. Serial No. 554,610, Sept. 13. Class 46.
Rowland, Ernest L., Jr., doing business as Rowland Research Laboratories, Jacksonville, Fla. Blood counting and testing apparatus. Serial No. 556,919, Sept. 13. Class 26.
Rowland Research Laboratories: *See*—
Rowland, Ernest L., Jr.
Sampsel Time Control, Inc., Spring Valley, Ill. Automatic control switches. Serial No. 536,551, Sept. 13. Class 26.
Sander Engraving Co., The, Chicago, Ill. Engraved wooden blocks. Serial No. 555,308, Sept. 13. Class 50.
Sapphire Hosiery Corporation, New York, N. Y. Hosiery. Serial No. 558,171, Sept. 13. Class 39.
Scala Mfg. Co., Inc., Brooklyn, N. Y. Tricycles. Serial No. 546,434, Sept. 13. Class 22.
Schaller, Manuelita, Union City, N. J. Religious publications. Serial No. 555,306, Sept. 13. Class 38.
Scranton Lace Company, The, Scranton, Pa. Plastic table-covers. Serial No. 570,124, Sept. 13. Class 42.
Seal, Incorporated, Shelton, Conn. Heat sealing mounting tissue for photographs. Serial No. 560,356, Sept. 13. Class 5.
Sears, Roebuck and Co., Chicago, Ill. Thermostats, time (clock) thermostats, water gauges, etc. Serial No. 550,449, Sept. 13. Class 26.
Shanhouse, W., Sons, Inc., Rockford, Ill. Poplin jackets and wool jackets. Serial Nos. 556,144–5, Sept. 13. Class 39.
Shaw-Walker Company, The, Muskegon, Mich. Filing cabinets, storage cabinets, card cabinets, etc. Serial No. 546,064, Sept. 13. Class 32.
Shawnee Milling Company, Shawnee, Okla. Wheat flour. Serial No. 535,087, Sept. 13. Class 46.
Shellmar Products Corporation, Chicago, Ill. Coated heat-sealable fibrous and non-fibrous cellulosic wrapping material. Serial No. 542,054, Sept. 13. Class 37.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Soldering lugs, soldering terminals, ground clamps, etc. Serial No. 513,587, Sept. 13. Class 21.
Shield Laboratories: *See*—
Cordes, Jules V.
Siegel, A. L., Co., Inc., New York, N. Y. Covers made from plastic film. Serial No. 545,396, Sept. 13. Class 50.
Simmons Company, New York, N. Y. Mattresses and springs for bedsteads. Serial No. 561,522, Sept. 13. Class 32.
Simmons Company, New York, N. Y. Springs for bedsteads. Serial No. 561,526, Sept. 13. Class 32.
Singer, Joseph, Inc., Hart, Mich. Men's suits. Serial No. 557,472, Sept. 13. Class 39.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics of silk, wool, cotton, etc. Serial No. 570,000, Sept. 13. Class 42.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. Serial No. 567,011, Sept. 13. Class 42.
Solar Compounds Corporation, Linden, N. J. Compounds which are used as electrical insulation. Serial No. 552,281, Sept. 13. Class 21.
Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. Serial No. 512,804, Sept. 13. Class 46.
Speaker, J. W., Corporation, Milwaukee, Wis. Tire tube repair kits. Serial No. 518,054, Sept. 13. Class 35.
Speaker, J. W., Corporation, Milwaukee, Wis. Tire and tube repair equipment. Serial No. 521,307, Sept. 13. Class 35.
Standard Brands Incorporated, New York, N. Y. Oleomargarine. Serial No. 556,226, Sept. 13. Class 46.
Standard Milling Company, Chicago, Ill. Wheat-flour. Serial No. 524,493, Sept. 13. Class 46.
Steele, J. W., & Co., North Kansas City, Mo. Garment finishing equipment. Serial No. 533,074, Sept. 13. Class 24.
Steinam, A., Company, Inc., New York, N. Y. All nylon fabric. Serial No. 564,474, Sept. 13. Class 42.
Steinam, A., Company, Inc., New York, N. Y. Rayon piece goods. Serial No. 564,476, Sept. 13. Class 42.
Steinberger, L. & Sons, Inc., Jersey City, N. J. Non-alcoholic, non-cereal, maltless beverages. Serial No. 564,696, Sept. 13. Class 45.
Strobo Research Milwaukee, Wis. Photographic equipment. Serial No. 503,333, Sept. 13. Class 26.
Sundstrand Machine Tool Co. Rockford, Ill. Machine tools. Serial No. 528,963, Sept. 13. Class 23.
Tailored Luggage, Inc., New York, N. Y. Luggage. Serial No. 555,320, Sept. 13. Class 3.
Television and Facsimile, Inc., Philadelphia, Pa. Electronic duplicator and/or magnifier of television receivers. Serial No. 559,559, Sept. 13. Class 21.
Tempo Products Company, Cleveland, Ohio, assignee of Tempo Products Company. Powder actuated tools. Serial No. 517,214, Sept. 13. Class 23.
Terminal Manufacturing Co., San Francisco, Calif. Milk coolers. Serial No. 550,271, Sept. 13. Class 31.
Textileather Corporation, Toledo, Ohio. Coated fabrics and resinous sheet material. Serial No. 556,493, Sept. 13. Class 50.
Textileather Corporation, Toledo, Ohio. Coated fabrics and resinous sheet material. Serial No. 558,261, Sept. 13. Class 50.

Three Crown Productions: *See*—
Williamson, Birger E.
Todd, Floyd, doing business as Todd Scientific Company, Springfield, Pa. Scientific laboratory apparatus. Serial No. 513,275, Sept. 13. Class 26.
Todd Scientific Company: *See*—
Todd, Floyd.
Toledo Scale Company, Toledo, Ohio. Electrically motivated food handling machinery. Serial No. 513,862, Sept. 13. Class 21.
Triplett Electrical Instrument Company, The, Bluffton, Ohio. Electrical measuring and control instruments and electrical test equipment. Serial No. 518,738, Sept. 13. Class 26.
Tyne Brand Products Limited, Fish Quay, North Shields, England. Canned fish, fish pastes and meat pastes. Serial No. 537,951, Sept. 13. Class 46.
Uarco Incorporated, Chicago, Ill. Writing pads interleaved with transfer slips. Serial No. 532,771, Sept. 13. Class 37.
Union Pin Company, The, Winsted, Conn. Common pins. Serial No. 572,608, Sept. 13. Class 40.
U. S. Foot Appliance Corporation, Chicago, Ill. Shoe insoles. Serial No. 557,094, Sept. 13. Class 39.
Valley Paper Company, Holyoke, Mass. Writing, typewriter and printing paper. Serial No. 527,523, Sept. 13. Class 37.
Van Wert Manufacturing Co., The, Van Wert, Ohio. Overalls; Service coats; coversuits; etc. Serial No. 546,252, Sept. 13. Class 39.
Virden, Bowmar H., State College, Miss. Magazines. Serial No. 564,791, Sept. 13. Class 38.
Visking Corporation, Chicago, Ill., and Richmond, Va. Thin film made of plastic. Serial No. 570,010, Sept. 13. Class 42.
Volland, P. F., Co., The, Joliet, Ill. Greeting cards. Serial No. 544,797, Sept. 13. Class 38.
Wagner, Raymond T., doing business as Hawthorne Laboratories, Louisville, Ky. Veterinary preparation. Serial No. 568,765–6, Sept. 13. Class 6.
Walsh, Richard L., Los Angeles, Calif. Hand cleaner. Serial No. 565,979, Sept. 13. Class 4.
Warfield, Louis L., New York, N. Y. Knitted underwear for women and men, polo shirts for men and boys, and hosiery. Serial No. 559,761, Sept. 13. Class 39.
Webster, F. S., Company, Cambridge, Mass. Instrument oil. Serial No. 552,907, Sept. 13. Class 15.
Wendorf, Ovaldo, Brooklyn, N. Y. Wire tie clips. Serial No. 542,379, Sept. 13. Class 40.
Whitmoyer Laboratories, Inc., Myerstown, Pa. Dried liver meal. Serial No. 508,400, Sept. 13. Class 46.
Williamson, Birger E., doing business as Three Crown Productions, San Jose, Calif. Motion picture films. Serial No. 547,684, Sept. 13. Class 26.
Wilson Mechanical Instrument Company, Inc., Bridgeport, Conn. Test blocks. Serial No. 565,519, Sept. 13. Class 26.
Winthrop-Stearns Inc., New York, N. Y. Preparation for the prevention and treatment of travel sickness. Serial No. 564,494, Sept. 13. Class 6.
Wolverine Shoe & Tanning Corporation, Rockford, Mich. Men's work shoes. Serial No. 554,541, Sept. 13. Class 39.
Wood Flong Corporation, Hoosick Falls, N. Y. Dry mats for stereotyping purposes. Serial No. 533,820, Sept. 13. Class 50.
Woodrow Stores, Inc., New York, N. Y. Men's and boys' hats. Serial No. 543,766, Sept. 13. Class 39.
World's Products Company: *See*—
Laymon, Herman B.
Zylite Optical Co., Inc., New York, N. Y. Spectacle frames. Serial No. 566,908, Sept. 13. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Products Company, Inc.: *See*—
Albany Perforated Wrapping Paper Company.
Adamar Accounting Systems, Jeannette, Pa. Partially printed accounting forms, and a combination envelope and business form. 514,970, Sept. 13; Serial No. 503,622, published May 10, 1949. Class 37.
Albany Perforated Wrapping Paper Company, by A. P. W. Products Company, Inc., Albany, N. Y. Packages of toilet paper. 82,193, June 13, 1911. Republished Sept. 13. Class 37.
Allied Chemical & Dye Corporation, New York, N. Y. Detergent preparations. 515,183, Sept. 13; Serial No. 560,953, published June 7, 1949. Class 4.
Allied Kid Company: *See*—
Bristol Patent Leather Company.
Altman, B., & Co., New York, N. Y. Jewelry; silver tableware. 263,476, renewed Nov. 5, 1949. O. G. Sept. 13. Class 28.
Amend, Fred W., Co., Chicago, Ill. Candy. 515,075, Sept. 13; Serial No. 543,769, published May 17, 1949. Class 46.
American Chicle Company: *See*—
United Candy Company.
American Crayon Company, The, Sandusky, Ohio. Crayons. 515,071, Sept. 13; Serial No. 543,050, published May 31, 1949. Class 37.
American Fixture and Manufacturing Co., St. Louis, Mo. Mannequins and display forms. 515,215, Sept. 13; Serial No. 530,902. Class 50.
Anchor Coal Company, Cleveland, Ohio. Block coal. 95,042, Feb. 3, 1914. Republished Sept. 13. Class 1.
Anchor Coal Company, Cleveland, Ohio. Block coal. 100,742, Oct. 27, 1914. Republished Sept. 13. Class 1.
Anderson-Prichard Oil Corporation, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Naphtha. 252,660, renewed Feb. 12, 1949. O. G. Sept. 13. Class 15.
Anderson-Prichard Oil Corporation, to Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Rubber solvent. 254,070–1, renewed Mar. 12, 1949. O. G. Sept. 13. Class 6.
Argensio Brothers, Denver, Colo. Pearls and diamond rings. 408,612, Aug. 22, 1944. Republished Sept. 13. Class 28.
Armour and Company, Chicago, Ill. Carcass beef, carcass sheep, beef and pork cuts, etc. 258,380, renewed July 9, 1949. O. G. Sept. 13. Class 46.
Armour and Company, Chicago, Ill. Soaps. 515,058, Sept. 13; Serial No. 540,145, published June 7, 1949. Class 4.
Armour and Company, Chicago, Ill. Coated abrasives. 515,062, Sept. 13; Serial No. 540,966, published June 7, 1949. Class 4.
Armstrong Cork Company, Lancaster, Pa. Cleaning preparations. 514,988, Sept. 13; Serial No. 524,927, published May 24, 1949. Class 4.
Armstrong Paint & Varnish Works, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Stove polish. 515,056, Sept. 13; Serial No. 539,619, published June 7, 1949. Class 4.
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland pozzolana cement. 515,119, Sept. 13; Serial No. 550,111, published May 24, 1949. Class 12.
Ashland Paper Mills, Inc., Ashland, N. H. Toilet tissue, paper napkins, paper towels, and facial tissue. 515,175, Sept. 13; Serial No. 557,336, published May 31, 1949. Class 37.
Atlantic Steel Company, Atlanta, Ga. Wire fences. 171,801, Aug. 14, 1923. Republished Sept. 13. Class 13.
Auth-Loffler, Inc., Washington, D. C. Sausages. 515,025, Sept. 13; Serial No. 533,972, published May 24, 1949. Class 46.
Automatic Temperature Control Co., Inc., Philadelphia, Pa. Electrical measuring and control apparatus, etc. 515,111, Sept. 13; Serial No. 548,711, published June 7, 1949. Class 26.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Soap. 515,179, Sept. 13; Serial No. 558,716, published May 24, 1949. Class 4.
B. H. Company: *See*—
Bronson Reel Company.
Baker, Mabel K., doing business as Colonial Candle Co. of Cape Cod, Barnstable, Mass. Candles. 515,167, Sept. 13; Serial No. 555,141, published May 31, 1949. Class 15.
Barton, Carl J., doing business as Barton Products, Chicago, Ill. Composition containing chemical ingredient. 515,181, Sept. 13; Serial No. 559,568, published June 7, 1949. Class 6.
Barton Products: *See*—
Barton, Carl J.
Bayer-Semesan Company, Inc., New York, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Fungicide, seed disinfectant, general disinfectant. 262,615, renewed Oct. 15, 1949. O. G. Sept. 13. Class 6.
Beach Soap Company, Lawrence, Mass. Whitening and brightening material for use in washing textiles. 515,188, Sept. 13; Serial No. 563,597, published May 31, 1949. Class 6.
Bear Manufacturing Company, Terre Haute, Ind. Antiseptic ointment. 256,928, renewed May 28, 1949. O. G. Sept. 13. Class 6.
Becken, A. C., Co., Chicago, Ill. Watches and clocks. 515,169, Sept. 13; Serial No. 555,859, published June 7, 1949. Class 27.
Bell, Herbert A., doing business as Packard-Bell Company, by Packard-Bell Company, Los Angeles, Calif. Radio dials. 340,413, Nov. 10, 1936. Republished Sept. 13. Class 21.
Bellman Brook Bleachery Co., Fairview, N. J. Cotton goods in the piece. 333,467, Mar. 24, 1936. Republished Sept. 13. Class 42.
Berger Hosiery Co. Inc.: *See*—
Berger Hosiery Company, Inc.

Berger Hosiery Company, Inc., to Berger Hosiery Co. Inc., Philadelphia, Pa. Hosiery. 251,485; renewed Jan. 8, 1949. O. G. Sept. 13. Class 39.

Berland, Joseph, New York, N. Y. Finger rings. 443,367, Sept. 13; Serial No. 513,232, published June 7, 1949. Class 28.

Bernheim Distilling Company: *See*—
Bernheim Distilling Co. Inc.

Bernheim Distilling Co. Inc., by Bernheim Distilling Company, Louisville, Ky. Whiskey. 48,571, Jan. 2, 1906. Republished Sept. 13. Class 49.

Berry, Marguerite B., Cleveland, Ohio. Hair dress preparation. 515,142. Sept. 13; Serial No. 552,913, published June 7, 1949. Class 6.

Bevco Company, The, St. Louis, Mo. Refrigerated display cabinets, frozen food cabinets, and refrigerated storage lockers. 443,360, Sept. 13; Serial No. 517,234, published May 24, 1949. Class 31.

Blackwell-Wielandy Company, St. Louis, Mo. Pencil and ink tablets, note books, composition books, etc. 515,004, Sept. 13; Serial No. 531,016, published June 7, 1949. Class 37.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Ginger-ale. 514,991, Sept. 13; Serial No. 527,193, published May 24, 1949. Class 45.

Blinn, H. W.: *See*—
Blinn, Jennie M.

Blinn, Jennie M., doing business as H. W. Blinn, Bayonne, N. J., to J. M. Blinn, doing business as H. W. Blinn, New York, N. Y. Negative cotton in liquid and solid form. 258,617, renewed July 9, 1949. O. G. Sept. 13. Class 6.

Bilish Milling Company, Seymour, Ind. Wheat flour. 515,077, Sept. 13; Serial No. 544,317, published May 17, 1949. Class 46.

Blurex Mfg. Co.: *See*—
Wiley, J. Elliott.

Bowers Brothers, Inc., Richmond, Va. Blend of coffee and chicory. 515,080. Sept. 13; Serial No. 544,844, published May 24, 1949. Class 46.

Bowker, R. R., Company, New York, N. Y. Weekly magazine. 515,225, Sept. 13; Serial No. 548,327. Class 38.

Boyle and Company, by Boyle and Company, Los Angeles, Calif. Preparation consisting of liver, iron and vitamin B complex. 422,179, Mar. 8, 1949. Republished Sept. 13. Class 6.

Boyle-Midway, Inc., Jersey City, N. J. Metal polish. 515,047, Sept. 13; Serial No. 537,974, published May 31, 1949. Class 4.

Bradner, Smith, & Company, Chicago, Ill. Book-paper, writing-paper, correspondence envelops, etc. 515,170, Sept. 13; Serial No. 555,864, published June 7, 1949. Class 37.

Brainerd Bait Co., St. Paul, Minn. Fishing tackle. 515,059, Sept. 13; Serial No. 540,514, published May 3, 1949. Class 22.

Breuer Electric Mfg. Co., Chicago, Ill. Cleaning compound. 515,191. Sept. 13; Serial No. 555,039, published May 24, 1949. Class 4.

Brewer, David R., Pasadena, Calif. Maps. 515,231, Sept. 13; Serial No. 555,728. Class 38.

Brigham's, Inc., Cambridge, Mass. Candy. 515,054, Sept. 13; Serial No. 539,128, published Apr. 26, 1949. Class 46.

Bristol Patent Leather Company, Bristol and Philadelphia, Pa., to Allied Kid Company, Boston, Mass. Patent or enameled leather. 75,035–6, re-renewed Aug. 31, 1949. O. G. Sept. 13. Class 1.

Brockway Glass Company, Inc.: *See*—
Brockway Sales Company.

Brockway Sales Company, by Brockway Glass Company, Inc., Brockway, Pa. Bottle closures. 307,553, Oct. 31, 1933. Republished Sept. 13. Class 50.

Bronson Reel Company, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. 515,052, Sept. 13; Serial No. 538,873, published May 10, 1949. Class 22.

Brown, Charles E., & Co., to Alfred M. Townsend, Springfield, Mass. Canned fruits, canned vegetables, dried fruits and blended coffee. 73,252, re-renewed Apr. 6, 1949. O. G. Sept. 13. Class 46.

Brown, George C., & Company, Greensboro, N. C. Closet lining. 515,185, Sept. 13; Serial No. 561,409, published May 24, 1949. Class 12.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and billiard cues. 515,087, Sept. 13; Serial No. 546,355, published May 17, 1949. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls. 515,143, Sept. 13; Serial No. 552,938, published May 10, 1949. Class 22.

Bryn Mawr Fruit Growers Association, Bryn Mawr, by Bryn Mawr Fruit Growers Association (1932), Bryn Mawr, Calif. Fresh citrus fruits. 125,615, June 3, 1919. Republished Sept. 13. Class 46.

Bryn Mawr Fruit Growers Association, by Bryn Mawr Fruit Growers Association (1932), Bryn Mawr, Calif. Fresh citrus fruits. 232,323, Sept. 6, 1927. Republished Sept. 13. Class 46.

Bryn Mawr Fruit Growers Association (1932): *See*—
Bryn Mawr Fruit Growers Association.

Buckham, Waller M., Glendale, Calif. Non-alcoholic, noncereal, maltless beverages. 515,165, Sept. 13; Serial No. 555,052, published May 10, 1949. Class 45.

Burley Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Busse, Ewald A., doing business as Gridd Stone Company, Canton, Ohio, assignee of Gridd Stone Company. Abrasive scouring block. 514,986, Sept. 13; Serial No. 521,879, published June 7, 1949. Class 4.

Calgon, Incorporated, Pittsburgh, Pa. Detergent chemical compound. 433,460, Oct. 14, 1947. Republished Sept. 13. Class 4.

Campbell, Harry T., Sons' Co., by Harry T. Campbell Sons' Corporation, Towson, Md. Mined calcium stone. 355,614, Mar. 22, 1938. Republished Sept. 13. Class 1.

Campbell, Harry T., Sons' Corporation: *See*—
Campbell, Harry T., Sons' Co.

Cape Cod Shirt Company, Fall River, Mass. Men's negligee, dress and work shirts, men's pajamas, boys' negligee, dress and work shirts, etc. 292,583, Mar. 15, 1932. Republished Sept. 13. Class 39.

Childhood Incerests, Inc., Roselle Park, N. J. Toy. 515,034, Sept. 13; Serial No. 535,809, published June 7, 1949. Class 22.

Chipmen's, Chas., Sons Co., Inc., New York, N. Y. Infants' and children's socks. 263,340, renewed Nov. 5, 1949. O. G. Sept. 13. Class 39.

Chippewa Springs Corporation, Minneapolis, Minn. Natural spring-water. 515,035, Sept. 13; Serial No. 535,810, published May 17, 1949. Class 45.

Clean Tim, Limited, Toronto, Ontario, Canada. Soluble cleaner, cleanser and detergent. 515,068, Sept. 13; Serial No. 542,535, published June 7, 1949. Class 4.

Clopay Corporation, Cincinnati, Ohio. Window shade rollers and Venetian blind slats. 515,044, Sept. 13; Serial No. 537,564, published June 14, 1949. Class 32.

Coats, J. & P., (R. I.), Inc., Pawtucket, R. I. Artificial-silk embroidery thread. 260,592, renewed Aug. 27, 1949. O. G. Sept. 13. Class 43.

Codman, F. L. & J. C., Company, Rockland, Mass. Buffing wheels and component parts thereof. 515,066, Sept. 13; Serial No. 542,001, published June 7, 1949. Class 4.

College Pharmacy Products, Medford, Mass. Liquid cleaning agent. 515,130, Sept. 13; Serial No. 552,040, published June 7, 1949. Class 4.

Collier, R. T., Corporation, Los Angeles, Calif. Chemical products. 515,001. Sept. 13; Serial No. 530,171, published May 17, 1949. Class 6.

Colonial Candle Co. of Cape Cod: *See*—
Baker, Mabel K.

Colonial Cedar Company: *See*—
Putnam, Charles E.

Colorado Milling & Elevator Co., The, doing business as Hays City Flour Mills, Denver, Colo., and Hays, Kansas, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 262,608, renewed Oct. 15, 1949. O. G. Sept. 13. Class 46.

Colorado Milling & Elevator Co., The, doing business as The Burley Flour Mills, Denver, Colo., and Burley, Idaho, to The Colorado Milling & Elevator Co., Denver, Colo. Wheat and self-rising flour. 264,605, renewed Nov. 26, 1949. O. G. Sept. 13. Class 46.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Implement for polishing teeth. 515,116, Sept. 13; Serial No. 549,397, published May 24, 1949. Class 44.

Consolidated Cosmetics, Chicago, Ill. Toilet soap and laundry soap. 515,178, Sept. 13; Serial No. 558,008, published May 24, 1949. Class 4.

Cook, F. W., Company, Inc., Evansville, Ind. Beer. 515,055, Sept. 13; Serial No. 539,498, published May 17, 1949. Class 48.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Windows, window frames, window screens, etc. 515,053, Sept. 13; Serial No. 538,896, published May 10, 1949. Class 12.

Crocker-McElwain Company, Holyoke, Mass. Bond and ledger paper. 220,536, Nov. 9, 1926. Republished Sept. 13. Class 37.

Cromwell Manufacturing Corporation, Brooklyn, N. Y. Jewelry. 515,207, Sept. 13; Serial No. 510,377. Class 28.

Cutter Laboratories, Berkeley, Calif. Aluminum hydroxide absorbed biological products. 515,195, Sept. 13; Serial No. 567,331, published June 7, 1949. Class 6.

Cutter Laboratories, Berkeley, Calif. Calcium penicillin tablets. 515,196, Sept. 13; Serial No. 567,334, published June 7, 1949. Class 6.

Dartmouth Fillet Company, New Bedford, Mass. Frozen fish fillets. 515,227, Sept. 13; Serial No. 551,953. Class 46.

Davis Cheese Company, Plymouth, Wis., to Kraft Foods Company, Chicago, Ill. Cheese. 264,400, renewed Nov. 26, 1949. O. G. Sept. 13. Class 46.

De Kama, Inc., Los Angeles, Calif. Face cream. 515,139, Sept. 13; Serial No. 552,754, published June 7, 1949. Class 6.

Densco, Incorporated, Denver, Colo. Dental handpiece. 515,135, Sept. 13; Serial No. 552,306, published May 24, 1949. Class 44.

Dental Survey Publications, Minneapolis, Minn. Magazine published monthly. 515,234, Sept. 13; Serial No. 559,217. Class 38.

Dentists' Supply Company of New York, The, New York, N. Y. Sheet or plate of a resinous composition adapted for forming into a temporary dental plate. 515,072, Sept. 13; Serial No. 543,147, published May 24, 1949. Class 44.

Dermetics, Inc., New York, N. Y. Toilet preparation. 443,368, Sept. 13; Serial No. 513,720, published Sept. 30, 1947. Class 6.

Detrex Corporation, Detroit, Mich. Filter bags; bag type and leaf type filters. 515,001. Sept. 13; Serial No. 546,971, published May 10, 1949. Class 31.

Diamond Match Company, The, New York, N. Y. Toothpicks. 515,105, Sept. 13; Serial No. 548,152, published May 24, 1949. Class 44.

Dickerson & Company, Detroit, Mich. Men's hats. 260,793, renewed Aug. 27, 1949. O. G. Sept. 13. Class 39.

Dixie Portland Cement Company, South Pittsburg, Tenn., to Pennsylvania-Dixie Cement Corporation, Nazareth, Pa. Portland cement. 73,325, re-renewed Apr. 18, 1949. O. G. Sept. 13. Class 12.

Dodd, M. S., San Francisco, Calif. Fresh deciduous fruits. 515,004, Sept. 13; Serial No. 547,434, published May 24, 1949. Class 46.

Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany, to Dollfus-Mieg & Cie. Société Anonyme, Mulhouse (Haut-Rhin), France. Yarns and threads. 75,360–1, re-renewed Sept. 28, 1949. O. G. Sept. 13. Class 43.

Dome Chemicals, Inc., New York, N. Y. Astringent and antiseptic preparations and ointments. 515,190, Sept. 13; Serial No. 564,820, published June 7, 1949. Class 6.

Donaldson Co., Inc.: *See*—
Donaldson Company, Inc.

Donaldson Company, Inc., doing business as Donaldson Co., Inc., St. Paul, Minn. Air cleaners. 514,998, Sept. 13; Serial No. 528,560, published May 24, 1949. Class 31.

Donna Fruit Company, Edinburg, Tex. Fresh citrus fruits. 514,976, Sept. 13; Serial No. 515,089, published May 24, 1949. Class 46.

Dr. Pepper Company, Dallas, Tex. Nonalcoholic, maltless beverages. 515,147, Sept. 13; Serial No. 553,088, published May 10, 1949. Class 45.

Drew, E. F., & Co., Inc., New York, N. Y. Detergents. 515,006, Sept. 13; Serial No. 531,452, published May 31, 1949. Class 4.

Duffy-Mott Company, Inc., New York, N. Y. Prune juice. 442,130, Mar. 1, 1949. Republished Sept. 13. Class 46.

Du Pont, E. I., de Nemours and Company: *See*—
Bayer-Semesan Company, Inc.

Duquesne Brewing Company of Pittsburg, Pittsburgh, Pa. Bock beer. 443,372, Sept. 13; Serial No. 525,561, published May 24, 1949. Class 48.

Eastern Oregon Canning Co., Inc., Weston, Oreg. Canned vegetables. 514,981, Sept. 13; Serial No. 517,242, published May 31, 1949. Class 46.

East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 515,045, Sept. 13; Serial No. 537,792, published May 24, 1949. Class 46.

Edison, Thomas A., Incorporated: *See*—
National Phonograph Company.

Edison, Thomas A., Incorporated, West Orange, N. J. Lubricating oils. 260,912, renewed Sept. 8, 1949. O. G. Sept. 18. Class 15.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 515,221, Sept. 13; Serial No. 545,831. Class 46.

Ehrenberg, B., Co., Inc.: *See*—
Ehrenberg, Bertram.

Ehrenberg, Bertram, by B. Ehrenberg Co., Inc., New York, N. Y. Cotton piece goods, woolen piece goods, and combinations of cotton, wool, mohair, and silk. 188,181, Aug. 19, 1924. Republished Sept. 13. Class 42.

Eiseman, Alfred S., to National Mallinson Fabrics Corporation, New York, N. Y. Piece goods. 304,713, July 19, 1933. New certificate. O. G. Sept. 13. Class 42.

El-Bee Laboratories, Inc., Springfield, Ill. Small pieces of luminous coated spun glass used as a Christmas tree decoration. 515,218, Sept. 13; Serial No. 538,621. Class 50.

El Cajon Valley Citrus Association, El Cajon, Calif. Fresh citrus fruits. 226,008, Mar. 29, 1927. Republished Sept. 13. Class 46.

El Cajon Valley Citrus Association, El Cajon, Calif. Fresh citrus fruits. 226,017, Mar. 29, 1927. Republished Sept. 13. Class 46.

Electric Game Company, The, doing business as The Holyoke Game Co., Holyoke, Mass. Board game with movable pieces. 515,156, Sept. 13; Serial No. 554,102, published May 10, 1949. Class 22.

Electric Steel Foundry, Portland, Oreg. Castings and forgings of ferrous metals. 259,550, renewed July 30, 1949. O. G. Sept. 13. Class 14.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. 514,987, Sept. 13; Serial No. 524,124, published June 7, 1949. Class 28.

Emblem Oil Company: *See*—
Sessions, Henry H.

Empire Paper Company, Chicago, Ill. Ledger and writing paper and bond paper. 262,472, renewed Oct. 15, 1949. O. G. Sept. 13. Class 37.

Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fishing bait. 515,073, Sept. 13; Serial No. 543,356, published May 17, 1949. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fishing bait. 515,074, Sept. 13; Serial No. 543,358, published May 17, 1949. Class 22.

Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Lubricating grease. 515,125, Sept. 13; Serial No. 551,550, published May 31, 1949. Class 15.

Eversharp, Inc., Chicago, Ill. Ballpoint pens. 515,232, Sept. 13; Serial No. 566,253. Class 37.

Evode Chemical Works Limited, Stafford, England. Preparations to be added to a cement mix. 515,151, Sept. 13; Serial No. 553,581, published May 24, 1949. Class 12.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 515,129, Sept. 13; Serial No. 551,963, published May 3, 1949. Class 22.

Eseup Chemical Company, The: *See*—
Porter, George H.

Fabrique d'Horlogerie Silvana S. A., Tramelan, Switzerland. Pocket watches, wrist watches, dials, and all parts of watches. 515,043, Sept. 13; Serial No. 537,479, published Dec. 21, 1948. Class 27.

Factor, Max, & Co., Los Angeles, Calif. Preparation for creating a sun-tanned complexion and for preventing sunburn and freckles. 263,770, renewed Nov. 12, 1949. O. G. Sept. 13. Class 6.

Fairfield & Ellis, Boston, Mass. Insurance brokerage and agency services. 515,202, Sept. 13; Serial No. 556,001, published June 7, 1949. Class 55.

Fernandes, Pallcio y Compania, S. en C., by F. Pallcio y Compania, S. A. Fabrica de Tabacos, Habana, Cuba. Cigars. 261,894, Sept. 24, 1929. Republished Sept. 13. Class 17.

Firestone Tire & Rubber Company, The: *See*—
Sleepmaster Products Company, Inc.

Fisher Flouring Mills Company, Seattle, Wash. Prepared biscuit flour. 482,569, Sept. 9, 1947. Republished Sept. 13. Class 46.

Fitch Dustdown Company, The, Baltimore, Md. Liquid soap, sweeping compound, dust-collecting sweeping powder, etc. 515,069, Sept. 13; Serial No. 542,728, published June 7, 1949. Class 4.

Flavor-Line, Inc., Chicago, Ill. Coagulators and intensifiers. 515,193, Sept. 13; Serial No. 566,070, published May 24, 1949. Class 46.

Food Machinery and Chemical Corporation: *See*—
Westvaco Chlorine Products Corporation.

Foothill Groves, by The Yorba Linda Citrus Association, Yorba Linda, Calif. Fresh citrus fruits. 207,162, Dec. 22, 1925. Republished Sept. 13. Class 46.

Foster Grant Co., Inc., Leominster, Mass. Sunglasses. 515,212, Sept. 13; Serial No. 529,451. Class 26.

Fox, Fontaine, Greenwich, Conn. Series of cartoons. 150,368–70, Jan. 3, 1922. Republished Sept. 13. Class 38.

Fox, Fontaine, Greenwich, Conn. Series of cartoons. 150,821, Jan. 10, 1922. Republished Sept. 13. Class 38.

Fox, Fontaine, Greenwich, Conn. Series of cartoons. 188,651, Sept. 2, 1924. Republished Sept. 13. Class 38.

Fox, Fontaine, Greenwich, Conn. Series of cartoons. 189,967, Sept. 30, 1924. Republished Sept. 13. Class 38.

Fox, Fontaine, Greenwich, Conn. Series of cartoons. 304,868, July 18, 1933. Republished Sept. 13. Class 38.

Fresno Grape Distributors, Inc., Beverly Hills and Fresno, Calif. Fresh grapes, plums, and nectarines. 515,098–9, Sept. 13; Serial Nos. 547,987–8, published May 24, 1949. Class 46.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrus fruits. 191,864–5, Nov. 4, 1924. Republished Sept. 13. Class 46.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrus fruits. 209,353, Feb. 23, 1926. Republished Sept. 13. Class 46.

Furman, J. W. Cannery, Northumberland, Pa. Canned vegetables. 515,081, Sept. 13; Serial No. 545,470, published May 24, 1949. Class 46.

Gechtman, Abraham S., Newark, N. J. Preparation to be applied to the face to soften the beard. 515,189, Sept. 13; Serial No. 564,111, published May 24, 1949. Class 4.

Gemex Company, Union, N. J. Jewelry. 443,361–2, Sept. 13; Serial Nos. 508,109–9, published June 7, 1949. Class 28.

General Electric Credit Corporation, New York, N. Y. Financing time sale contracts and wholesale purchases. 515,203, Sept. 13; Serial No. 560,997, published June 7, 1949. Class 55.

General Public Utilities Company, by Royal Palm Ice Co., Miami, Fla. Ice. 238,928, Oct. 11, 1927. Republished Sept. 13. Class 1.

Gillette Safety Razor Company: *See*—
Probak Corporation.

Glov-Tree Corporation, Glendale, Calif. Glove dryers. 515,223, Sept. 13; Serial No. 547,442. Class 24.

Gold Medal Candy Corporation, Brooklyn, N. Y. Candy. 409,618, Oct. 10, 1944. Republished Sept. 13. Class 46.

Gotham Hosiery Company, Inc.: *See*—
Wittenberg, Armin H.

Graham Farms: *See*—
Graham, Robert C.

Graham, Robert C., doing business as Graham Farms, Detroit, Mich., and Washington, Ind., to R. C. Graham, doing business as Graham Farms, Washington, Ind. Cheese and butter. 258,216, renewed July 2, 1949. O. G. Sept. 13. Class 46.

Graham, Robert C., doing business as Graham Farms, Washington, Ind. Cheese and butter. 262,925, renewed Oct. 29, 1949. O. G. Sept. 13. Class 46.
Great Lakes Varnish Works, Inc., Chicago, Ill. Plastic paint. 262,661, renewed Oct. 22, 1949. O. G. Sept. 13. Class 16.
Green, Sam, New York, N. Y. Hair ointments. 515,230, Sept. 13; Serial No. 552,262. Class 6.
Gridd Stone Company: *See*—
Bussee, Ewald A.
Griesedieck Western Brewery Company, Belleville, Ill. Beer. 515,136, Sept. 13; Serial No. 552,454, published May 10, 1949. Class 48.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Shoe shine cabinets. 515,124, Sept. 13; Serial No. 551,380, published May 24, 1949. Class 32.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 515,049–51, Sept. 13; Serial Nos. 538,535–7, published June 22, 1948. Class 27.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 515,086, Sept. 13; Serial No. 546,099, published June 7, 1949. Class 27.
Gump, S. & G., Company, San Francisco, Calif. Furniture. 515,064, Sept. 13; Serial No. 541,294, published May 31, 1949. Class 32.
H P Coffee Company, St. Louis, Mo. Spices, and food-flavoring extracts. 127,726, Dec. 2, 1919. Republished Sept. 13. Class 46.
Hagaman, Charles B., doing business as Medi-Phragm Products, Arvada, Colo. Douche powder. 515,194, Sept. 13; Serial No. 566,337, published June 7, 1949. Class 6.
Haight, L. G.: *See*—
Melvin Grape Growers Association.
Halfhill Company, The, Los Angeles, Calif. Canned fish. 514,973, Sept. 13; Serial No. 506,031, published May 24, 1949. Class 46.
Hall, C. P., Company, The, Akron, Ohio. Ink remover. 514,977–8, Sept. 13; Serial Nos. 515,552–3, published May 31, 1949. Class 4.
Harley-Davidson Motor Company, Milwaukee, Wis. Enamel polish and cleaner, and chrome polish and cleaner. 515,008, Sept. 13; Serial No. 531,590, published May 31, 1949. Class 4.
Hawaiian Perfume & Soap Corporation, Hollywood, Calif. Soaps. 515,007, Sept. 13; Serial No. 531,472, published May 31, 1949. Class 4.
Hays City Flour Mills: *See*—
Colorado Milling & Elevator Co., The.
Helm, E. "Tex," Camera Works, Carlsbad, N. Mex. Kit containing the necessary parts for the assembling of a camera. 515,216, Sept. 13; Serial No. 532,289. Class 26.
Hersey Manufacturing Company, Boston, Mass. Fluid meters. 515,220, Sept. 13; Serial No. 543,925. Class 26.
Hewitt, Charles, & Sons Co.: *See*—
Winston and Newell Company.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. 515,093, Sept. 13; Serial No. 547,346, published June 7, 1949. Class 4.
Hindes Limited, Birmingham, England. Body friction brushes. 288,572, Nov. 3, 1931. Republished Sept. 13. Class 29.
Hi-Q Products Co., Chicago, Ill. Canned fruit juices. 514,975, Sept. 13; Serial No. 511,614, published May 24, 1949. Class 46.
Hoberg Paper Mills, Inc., Green Bay, Wis. Paper towels. 515,148, Sept. 13; Serial No. 553,110, published May 31, 1949. Class 37.
Hodson Corporation, The, Chicago, Ill. Lubricating oils and greases. 515,152, Sept. 13; Serial No. 553,616, published May 31, 1949. Class 15.
Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 515,037, Sept. 13; Serial No. 536,085, published Nov. 9, 1948. Class 46.
Holyoke Game Co., The: *See*—
Electric Game Company, The.
Houghton, E. F., & Co., Philadelphia, Pa. Quenching oils. 515,021, Sept. 13; Serial No. 533,576, published May 24, 1949. Class 15.
Humphreys Paint Co., Inc., Rochester, N. Y. Preparation for cleaning. 259,945, renewed Aug. 13, 1949. O. G. Sept. 13. Class 4.
Hussman-Ligonier Company, St. Louis, Mo., now by change of name Hussman Refrigerator Co. Commercial and industrial refrigerators. 514,992, Sept. 13; Serial No. 527,406, published June 7, 1949. Class 31.
Hussman Refrigerator Co.: *See*—
Hussman-Ligonier Company.
Hyman, S. E., Company, The, Fremont, Ohio. Removable textile seat covers. 257,311, renewed June 4, 1949. O. G. Sept. 13. Class 42.
Illinois Meat Company, Chicago, Ill. Canned pork loaf. 514,990, Sept. 13; Serial No. 526,805, published May 31, 1949. Class 46.
Indian Archery & Toy Corporation, Evansville, Ind. Archery sets; surf boards, aquaplanes, etc. 259,586, renewed Aug. 6, 1949. O. G. Sept. 13. Class 22.
Inland Steel Company, Chicago, Ill. Sheet steel. 262,213, Oct. 1, 1929. Republished Sept. 13. Class 14.
Inland Steel Products Company, Milwaukee, Wis. Metal articles, conductor pipe, and conductor pipe elbows, etc. 515,121, Sept. 13; Serial No. 550,510, published May 24, 1949. Class 12.
International Foot Appliances Limited, London, England. Foot arch supports, metatarsal pads, elastic foot cushions, and appliances. 515,114, Sept. 13; Serial No. 549,150, published May 24, 1949. Class 44.
International Minerals and Chemical Corporation, Chicago, Ill. Potassium chlorate. 515,083, Sept. 13; Serial No. 545,857, published May 10, 1949. Class 6.
International Paint Company, Inc., New York, N. Y. Ready-mixed paint. 515,067, Sept. 13; Serial No. 542,138, published Apr. 19, 1949. Class 16.
Interstate Shade Cloth Company, Hoboken, N. J. Window shade roller. 514,999, Sept. 13; Serial No. 528,725, published May 31, 1949. Class 32.
Jaciel Perfumers, Inc., to J. C. Penney Company, New York, N. Y. Cleansing tissue. 258,962, renewed July 16, 1949. O. G. Sept. 13. Class 37.
Jacobs Candy Company, Ltd., to Jacobs Candy Corporation, New Orleans, La. Candy. 263,417, renewed Nov. 5, 1949. O. G. Sept. 13. Class 46.
Jacobs Candy Corporation: *See*—
Jacobs Candy Company, Ltd.
Jensen, Georg, Inc., New York, N. Y. Goods made wholly or in part of chinaware or porcelain. 514,971, Sept. 13; Serial No. 504,560, published May 24, 1949. Class 30.
Jensen, Georg, Inc., New York, N. Y. Glassware, fancy goods made of glass. 514,972, Sept. 13; Serial No. 504,561, published May 24, 1949. Class 33.
Jet-Heet, Inc., Englewood, N. J. Oil or gas-burning heating apparatus of the warm air type. 515,219, Sept. 13; Serial No. 539,525. Class 34.
Jingle Joy Toys, Inc., Orlando, Fla. Toy blocks. 515,126, Sept. 13; Serial No. 551,636, published May 31, 1949. Class 22.
Joanna Western Mills Company, Chicago, Ill. Window shades. 515,040–1, Sept. 13; Serial Nos. 536,787–8, published June 14, 1949. Class 32.
Kemp, E. F., Inc.: *See*—
Kemp, Edward F.
Kemp, Edward F., by E. F. Kemp, Inc., Somerville, Mass. Candy; nuts; candied popcorn, and biscuits. 262,531–3, Oct. 15, 1929. Republished Sept. 13. Class 46.
Kennedy, David E., Inc., Brooklyn, N. Y. Merchandising display and storage cabinet. 515,131, Sept. 13; Serial No. 552,059, published May 31, 1949. Class 32.
Keystone Varnish Company, Brooklyn, N. Y. Enamels. 63,625, July 2, 1907. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Flat wall finishes, enamels, and varnishes. 72,686, Feb. 9, 1909. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Varnishes. 75,906, re-renewed Nov. 23, 1949. O. G. Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paints. 115,626, Feb. 27, 1917. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paints and varnish. 118,049, Aug. 14, 1917. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paint. 207,346, Dec. 29, 1925. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Cleaning preparation. 222,664, Jan. 4, 1927. Republished Sept. 13. Class 4.
Keystone Varnish Company, Brooklyn, N. Y. House paints. 227,481, May 10, 1927. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paints. 231,184, Aug. 16, 1927. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Varnishes and enamel paints. 234,684, Nov. 1, 1927. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paints. 259,497, July 30, 1929. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Paint enamels and varnishes. 286,753, Sept. 1, 1931. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Paint products. 405,503, Feb. 1, 1944. Republished Sept. 13. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Paint enamel. 408,423, Aug. 8, 1944. Republished Sept. 13. Class 16.
King, Wilfred G., doing business as Spray Brite Co., assignor to Spray-Brite Company, Minneapolis, Minn. Liquid glass cleaner. 515,031, Sept. 13; Serial No. 535,539, published June 7, 1949. Class 4.
Knapp-Monarch Company, St. Louis, Mo., and Webster City, Iowa, by Knapp-Monarch Company, St. Louis, Mo. Electric toasters, electric heating pads, portable electric room heaters, etc. 268,535, Mar. 18, 1930. Republished Sept. 13. Class 21.
Komfo Products Corporation, Allentown, Pa. Mattresses, springs, studio couches, etc. 371,022, Sept. 12, 1939. Republished Sept. 13. Class 32.

Kraft Foods Company: *See*—
Davis Cheese Company.
Kreider, A. S., Company, The, by The A. S. Kreider Shoe Co., Annville, Pa. Boots and shoes. 113,394, Oct. 17, 1916. Republished Sept. 13. Class 39.
Kreider, A. S., Shoe Co., The: *See*—
Kreider, A. S., Company, The.
Kreider's, W. L., Sons Mfg. Co. Inc.: *See*—
McGrath Shoe Co., Inc.
Kroehler Manufacturing Company: *See*—
Owen, D. T., Co., The.
Ladoga Canning Company: *See*—
Sears & Nichols Corporation, The.
Lakeview News, The: *See*—
Udell, Alonzo E.
Lamkin Leather Company, Chicago, Ill. Leather stripe for golf clubs and racket handles. 515,138, Sept. 13; Serial No. 552,671, published May 3, 1949. Class 22.
Lanair Company, Chicago, Ill. Sanitary napkins. 293,707, May 3, 1932. Republished Sept. 13. Class 44.
Lang, Rose R., Buffalo, N. Y. Prepared cake mixtures. 515,110, Sept. 13; Serial No. 548,659, published May 24, 1949. Class 46.
Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Soap. 515,092, Sept. 13; Serial No. 547,008, published June 7, 1949. Class 4.
Lauts Bros. & Co., Buffalo, N. Y., to Swift & Company, Chicago, Ill. Soap and washing powder. 73,948–9, re-renewed June 1, 1949. O. G. Sept. 13. Class 4.
Lawrence, A. C., Leather Company, Boston, to A. C. Lawrence Leather Company, Peabody, Mass. Leather. 263,904, renewed Nov. 12, 1949. O. G. Sept. 13. Class 1.
Lee Paper Company, Vicksburg, Mich. Bond paper. 515,173, Sept. 13; Serial No. 556,900, published May 31, 1949. Class 37.
Les Parfums de Dana, Inc.: *See*—
Stevenson, Ruth C. P.
Leslie Salt Co., Wilmington, Del. Salt. 515,016, Sept. 13; Serial No. 532,409, published May 24, 1949. Class 46.
Lewis, Lorena, assignor to Parx Products Corporation, New York, N. Y. Decorative finger nail covers. 515,186, Sept. 13; Serial No. 561,675, published May 24, 1949. Class 44.
Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. 267,293, Feb. 18, 1930. Republished Sept. 13. Class 46.
Lindsay District Orange Company, Lindsay, Calif. Fresh citrus fruits. 220,463, Nov. 9, 1926. Republished Sept. 13. Class 46.
Lindsay District Orange Company, Lindsay, Calif. Fresh citrus fruits. 220,920, Nov. 16, 1926. Republished Sept. 13. Class 46.
Lindsay District Orange Company, Lindsay, Calif. Fresh citrus fruits. 226,347, Apr. 5, 1927. Republished Sept. 13. Class 46.
Lipton, Thomas J., Inc., Hoboken, N. J. Tea. 515,026, Sept. 13; Serial No. 534,294, published May 24, 1949. Class 46.
Liquid Veneer Corporation, Buffalo, N. Y. Cleaning and polishing liquid. 263,984, renewed Nov. 12, 1949. O. G. Sept. 13. Class 16.
Long Island Fish Line Co., Inc., Farmingdale, N. Y. Fishing lines. 515,140, Sept. 13; Serial No. 552,789, published May 10, 1949. Class 22.
Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Cake flour. 515,018, Sept. 13; Serial No. 532,711, published May 31, 1949. Class 46.
Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 515,019, Sept. 13; Serial No. 532,731, published May 31, 1949. Class 46.
Lufkin Rule Company, The, Saginaw, Mich. Tape measures. 515,213–14, Sept. 13; Serial Nos. 530,653–4. Class 26.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Finished cast low alloy chilled iron rolls. 515,012, Sept. 13; Serial No. 532,306, published Apr. 26, 1949. Class 23.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Chilled finished cast iron rolls, chilled cast molybdenum iron alloy rolls and sand-cast iron rolls. 515,013, Sept. 13; Serial No. 532,308, published Apr. 26, 1949. Class 23.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Finished cast chrome molybdenum steel alloy rolls. 515,014, Sept. 13; Serial No. 532,309, published Apr. 26, 1949. Class 23.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Finished cast nickel chromium iron alloy rolls. 515,015, Sept. 13; Serial No. 532,310, published Apr. 26, 1949. Class 23.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Finished cast carbon steel rolls. 515,032, Sept. 13; Serial No. 535,576, published Apr. 26, 1949. Class 23.
Magna-Vue Co., The, New York, N. Y. Still picture projectors. 515,205, Sept. 13; Serial No. 500,480. Class 26.
Maid of California Milk Company, Vallejo, Calif. Butter. 515,024, Sept. 13; Serial No. 533,908, published May 24, 1949. Class 46.
Mallinson Fabrics Corporation, assignee: *See*—
Mallinson, H. R., & Company, Inc.
Mallinson Fabrics Corporation, to National Mallinson Fabrics Corporation, New York, N. Y. Woven, knitted, netted, and pile fabrics in the piece. 347,695, June 29, 1937. New certificate. O. G. Sept. 13. Class 42.
Mallinson Fabrics Corporation, to National Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 355,118, Mar. 8, 1938. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., assignee: *See*—
Mallinson, Hiram R.
Mallinson, H. R., & Co., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 115,779, Mar. 6, 1917. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 115,856, Mar. 13, 1917. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 129,782, Mar. 9, 1920. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 145,144, July 26, 1921. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co. Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 148,153, Nov. 8, 1921. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co. Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 152,455, Feb. 28, 1922. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co. Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 155,003, May 16, 1922. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 162,820, Dec. 26, 1922. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co. Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk, silk and rayon, etc. 247,067, Sept. 18, 1928. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Company, Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 280,320, Feb. 10, 1931. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk, rayon, cotton, etc. 314,716, July 3, 1934. New certificate. O. G. Sept. 13. Class 42.
Mallinson, H. R., & Company, Inc., assignor to Mallinson Fabrics Corporation, to National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. 343,653, Mar. 2, 1937. New certificate. O. G. Sept. 13. Class 42.
Mallinson, Hiram Royal, assignor to H. R. Mallinson & Co. to National Mallinson Fabrics Corporation, New York, N. Y. Voiles in the piece. 110,754, June 13, 1916. New certificate. O. G. Sept. 13. Class 42.
Marathon Corporation, Rothschild, Wis. Waxed paper. 515,228, Sept. 13; Serial No. 552,679. Class 37.
Mason Candy Company, The, Trinidad, Colo. Candy. 515,027, Sept. 13; Serial No. 534,301, published May 31, 1949. Class 46.
Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof. 196,464, Mar. 17, 1925. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Electrically operated hoists and parts thereof. 369,926, Aug. 8, 1939. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Electrically operated hoists and parts thereof. 380,153, Aug. 13, 1940. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Variable speed power transmission units. 403,724, Oct. 19, 1943. Republished Sept. 13. Class 23.
Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof. 410,179, Nov. 14, 1944. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Electrically operated hoists and parts thereof. 410,802, Dec. 19, 1944. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof and electric generators and parts thereof. 430,841, June 24, 1947. Republished Sept. 13. Class 21.
Master Electric Company, The, Dayton, Ohio. Fixed ratio speed changers and stepless variable ratio speed changers. 434,106, Nov. 11, 1947. Republished Sept. 13. Class 23.
Master Electric Company, The, Dayton, Ohio. Electric generators and parts thereof, gas and gasoline engine driven generator sets, etc. 441,294, Nov. 16, 1948. Republished Sept. 13. Class 21.
McAleer Manufacturing Company: *See*—
Bronson Reel Company.
McBride, Robert M. & Company, New York, N. Y. Magazine. 443,373, Sept. 13; Serial No. 512,596. Class 38.
McCormick & Company, Incorporated: *See*—
Schilling, A., & Co.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Sobbering Sux. 515,147, Sept. 13; Serial No. 540,562, published June 7, 1949. Class 6.
McGrath Shoe Co., Inc., New York, N. Y., by W. L. Kreider's Sons Mfg. Co. Inc., Palmyra, Pa. Children's leather shoes. 202,634, Sept. 1, 1925. Republished Sept. 13. Class 29.
McRae Bros., Patchogue, N. Y. Asbestos siding shingles, asphalt roofing shingles, asphalt roll roofing, etc. 443,363, Sept. 13; Serial No. 510,906, published May 10, 1949. Class 12.
Medal Brick & Tile Co., The, Wooster, Ohio. Brick. 201,824, Aug. 11, 1925. Republished Sept. 13. Class 12.
Medart Company, The: *See*—
Medart, Fred.
Medart, Fred, Manufacturing Company, by The Medart Company, St. Louis, Mo., Trampolines. 432,839, Sept. 16, 1947. Republished Sept. 13. Class 22.
Medi-Phragm Products: *See*—
Hagaman, Charles B.
Melvin Grape Growers Association, Melvin, to L. G. Haight, Fresno, Calif. Fresh fruits. 256,903, renewed May 28, 1949. O. G. Sept. 13. Class 46.
Mengel Company, The, Louisville, Ky. Breakfronts; chest of drawers, commodes; bookcases; etc. 515,030, Sept. 13; Serial No. 535,172, published May 31, 1949. Class 32.
Metropolitan Laundry Co., Inc., Seattle, Wash. Laundry service. 515,198, Sept. 13; Serial No. 527,031, published Feb. 22, 1949. Class 55.
Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, finger rings, and earrings. 443,386, Sept. 13; Serial No. 511,885, published June 17, 1947. Class 28.
Meylan Stopwatch Company, New York, N. Y. Watches. 515,132, Sept. 13; Serial No. 552,068, published May 31, 1949. Class 27.
Midwest Industries, Incorporated, Cleveland, Ohio. Roller skates. 515,123, Sept. 13; Serial No. 551,125, published May 10, 1949. Class 22.
Millers Falls Company, Greenfield, Mass. Angular bit stocks, angular drilling machines, polishing heads, etc. 159,442, Sept. 26, 1922. Republished Sept. 13. Class 23.
Milprint, Inc., Milwaukee, Wis. Plastic sheets or films. 442,593, May 3, 1949. Republished Sept. 13. Class 42.
Mission Citrus Association, by Mission Citrus Association (1936), Redlands, Calif. Fresh citrus fruits. 230,754, Aug. 2, 1927. Republished Sept. 13. Class 46
Mission Citrus Association (1936): *See*—
Mission Citrus Association.
Mission Fruit & Vegetable Co., Mission, Tex. Fresh grapefruit. 515,222, Sept. 13; Serial No. 546,719. Class 46.
Mission Hosiery Mills: *See*—
Wittenberg, Armin H.
Mitchell & Ness, Inc., Philadelphia, Pa. Footballs. 442,457, Apr. 12, 1949. Republished Sept. 13. Class 22.
Mitchell Optical Co., Kirkwood, Mo. Eyeglasses. 515,217, Sept. 13; Serial No. 537,215. Class 26.
Modern Plastics, Inc.: *See*—
Plastics Publications, Inc.
Moore, Charles P., doing business as Moore & Son, Tucson, Ariz. Household cleaner in powdered and liquid form. 515,022, Sept. 13; Serial No. 533,595, published June 7, 1949. Class 4.
Moore & Son: *See*—
Moore, Charles P.
Morton Sundour Fabrics Limited, Carlisle, England. Cloths and stuffs of wool, worsted or hair; piece goods, etc. 264,429, Jan. 31, 1939. Republished Sept. 13. Class 42.
Mount Hope Finishing Company, Dighton, Mass. Finishing textile fabrics in the piece. 515,201, Sept. 13; Serial No. 542,477, published June 7, 1949. Class 55.
Moxie Company, The, Boston, Mass. Non-alcoholic, maltless, carbonated beverage. 515,017, Sept. 13; Serial No. 532,626, published May 24, 1949. Class 45.
Mueller, C. F., Company: *See*—
Mueller, C. F., Co.
Mueller, C. F., Co., Jersey City, N. J., now by merger C. F. Mueller Company, Alimentary pastes. 515,026, Sept. 13; Serial No. 534,318, published May 24, 1949. Class 46.
Mupu Citrus Association, Santa Paula, Calif. Fresh citrus fruit. 515,000, Sept. 13; Serial No. 546,850, published May 17, 1949. Class 46.
Myrurgia, S. A., Barcelona, Spain. Toilet soaps. 185,086, renewed June 10, 1944. O. G. Sept. 13. Class 4.
Nash-De Camp Company, Berkeley, Calif. Fresh deciduous fruits, fresh citrus fruits, and fresh grapes. 514,984, Sept. 13; Serial No. 519,079, published May 24, 1949. Class 46.
National Aluminate Corporation, Chicago, Ill. Mechanical and chemical equipment. 514,907, Sept. 13; Serial No. 528,030, published June 7, 1949. Class 31.
National Association of Real Estate Boards, Chicago, Ill. Brokerage of real estate, industrial brokerage, farm brokerage, etc. 515,199, Sept. 13; Serial No. 540,012, published Sept. 14, 1948. Class 55.
National Association of Real Estate Boards, Chicago, Ill. Brokerage of real estate, industrial brokerage, farm brokerage, etc. 515,200, Sept. 13; Serial No. 540,015, published Sept. 14, 1948. Class 55.
National Blank Book Company, Holyoke, Mass. Loose leaf binders. 515,118, Sept. 13; Serial No. 540,648, published May 31, 1949. Class 37.
National Cooperatives, Incorporated: *See*—
Union Oil Company.
National Farm Machinery Co-Operative, Inc.: *See*—
Ohio Cultivator Company, The.
National Mallinson Fabrics Corporation: *See*—
Eiseman, Alfred S.
Mallinson Fabrics Corporation.
Mallinson, H. R., & Co.
Mallinson, H. R., & Co., Inc.
Mallinson, H. R., & Company, Inc.
Mallinson, Hiram Royal.
National Phonograph Company, Orange, to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographs, parts of phonographs, phonograph blanks, etc. 33,236, re-renewed July 18, 1949. O. G. Sept. 13. Class 36.
National Phonograph Company, to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographs, phonograph parts and phonograph records. 74,478, re-renewed July 13, 1949. O. G. Sept. 13. Class 36.
National Sanitary Supply Association, Chicago, Ill. Sanitary and janitor supplies. 515,204, Sept. 13; Serial No. 530,329, published May 31, 1949. Class 4.
National Sleep Products, Inc., New York and Brooklyn, N. Y. Mattresses. 443,371, Sept. 13; Serial No. 519,891, published June 14, 1949. Class 32.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bond, ledger, mimeo and duplicating paper. 515,060, Sept. 13; Serial No. 540,554, published May 31, 1949. Class 37.
Nickel Plate Stove Polish Company: *See*—
Armstrong Paint & Varnish Works.
Norrington, John S., San Francisco, Calif. Golf tees. 515,128, Sept. 13; Serial No. 551,909, published June 7, 1949. Class 22.
North American Cement Corporation, New York, N. Y. Portland cement. 515,158, Sept. 13; Serial No. 554,249, published May 31, 1949. Class 12.
North American Electric Lamp Company, St. Louis, Mo. Electric incandescent light bulbs. 122,808, Sept. 17, 1918. Republished Sept. 13. Class 21.
North American Electric Lamp Company, St. Louis, Mo. Electric lamps. 137,351, Nov. 23, 1920. Republished Sept. 13. Class 21.
Nu-Way Products Co.: *See*—
Sullivan, J. C.
Ohio Cultivator Company, The, Bellevue, Ohio, by National Farm Machinery Co-Operative, Inc., Shelbyville, Ind. Single and multiple row corn and cotton planters. 383,432, Dec. 10, 1940. Republished Sept. 13. Class 23.
Oland & Son Ltd., Halifax, Nova Scotia, Canada. Ale and stout. 515,048, Sept. 13; Serial No. 538,443, published May 24, 1949. Class 48.
Orangeburg Manufacturing Co., Inc., Orangeburg, N. Y. Conduit, ducts and pipes. 515,149, Sept. 13; Serial No. 553,213, published May 31, 1949. Class 12.
Orange Heights Fruit Association, by Orange Heights Orange Association, Corona, Calif. Fresh citrus fruits. 218,106, Sept. 21, 1926. Republished Sept. 13. Class 46.
Orange Heights Orange Association: *See*—
Orange Heights Fruit Association.
Order of St. Benedict of Florida, The, St. Leo, Fla. Fresh citrus fruits. 515,106, Sept. 13; Serial No. 548,175, published May 24, 1949. Class 46.
Oroweat Baking Co., Los Angeles, Calif. Bread. 515,000, Sept. 13; Serial No. 528,944, published May 24, 1949. Class 46.
Osborn Paper Company, Inc., Marion, Ind. Writing tablets, papeteries, composition books, etc. 515,133, Sept. 13; Serial No. 552,162, published May 31, 1949. Class 37.
Oshkosh Filter & Softener Company, Oshkosh, Wis. Water treating equipment. 515,134, Sept. 13; Serial No. 552,262, published May 17, 1949. Class 31.
Owen, D. T., Co., The, East Cleveland, Ohio, to Kroehler Manufacturing Company, Naperville, Ill. Couches and beds. 75,839, re-renewed Nov. 23, 1949. O. G. Sept. 13. Class 32.
Owens-Illinois Glass Company, Toledo, Ohio. Drinking glasses, bowls, goblets, etc. 515,233, Sept. 13; Serial No. 556,722. Class 33.
Oxford Laboratories, Incorporated, Dayton, Va. Vitamin preparation. 443,370, Sept. 13; Serial No. 518,314, published June 27, 1948. Class 6.
Packard-Bell Company: *See*—
Bell, Herbert A.
Palicio F. y Compania, S. A. Fabrica de Tabacos: *See*—
Fernandez, Palicio y Compania, S. en C.
Parfums Lilly Dache, Ltd., The, New York, N. Y. Perfume, toilet water, eau de cologne, etc. 515,144, Sept. 13; Serial No. 553,013, published May 31, 1949. Class 6.
Parker Brothers, Inc., Salem, Mass. Game played with chips. 515,115, Sept. 13; Serial No. 549,329, published May 3, 1949. Class 22.
Parker Brothers, Inc., Salem, Mass. Card game. 515,160, Sept. 13; Serial No. 554,695, published May 17, 1949. Class 22.

Parrott & Co., San Francisco, Calif. Canned fruits, canned vegetables and canned tomato paste. 514,982, Sept. 13; Serial No. 517,660, published May 24, 1949. Class 46.
Parx Products Corporation: *See*—
Lewis, Lorena.
Patent Cereals Company, The, Geneva, N. Y. Wall painter's size and painter's sizing composed of glue, etc. 263,920, renewed Nov. 12, 1949. O. G. Sept. 13. Class 16.
Payne, T. D., Laboratories: *See*—
Payne, Thomas D.
Payne, Thomas D., doing business as T. D. Payne Laboratories, Houston, Tex. Liquid type cleaner. 515,061, Sept. 13; Serial No. 540,704, published May 24, 1949. Class 4.
Penney, J. C., Company: *See*—
Jaciel Perfumers, Inc.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Dry-cleaning fluid. 258,762, renewed July 16, 1949. O. G. Sept. 13. Class 4.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Toys, games, and sporting goods. 258,763, renewed July 16, 1949. O. G. Sept. 13. Class 22.
Pennsylvania-Dixie Cement Corporation: *See*—
Dixie Portland Cement Company.
Pfeiffer, S., Mfg. Co., St. Louis, Mo. Antiseptic medicinal preparation. 263,055, renewed Oct. 29, 1949. O. G. Sept. 13. Class 6.
Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation. 264,227, renewed Nov. 19, 1949. O. G. Sept. 13. Class 6.
Phillips Chemical Company, Chicago, Ill. Liquid kerosene base emulsion. 443,360, Sept. 13; Serial No. 486,628, published June 7, 1949. Class 4.
Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 256,663, renewed May 21, 1949. O. G. Sept. 13. Class 15.
Pittsburg & Midway Coal Mining Co., The, Kansas City, Mo. Semi-anthracite coal. 515,005, Sept. 13; Serial No. 531,241, published Aug. 10, 1948. Class 1.
Planada Packers, Planada, Calif. Canned fruits. 515,078, Sept. 13; Serial No. 544,386, published May 24, 1949. Class 46.
Plastics Publications, Inc., to Modern Plastics, Inc., New York, N. Y. Monthly periodical. 264,567, renewed Nov. 26, 1949. O. G. Sept. 13. Class 38.
Plibrico Jointless Firebrick Company, Chicago, Ill. Plastic and non-plastic heat insulating material. 515,120, Sept. 13; Serial No. 550,344, published May 24, 1949. Class 12.
Poirette Corsets, Inc., New York, N. Y. Corsets, girdles, combination garments, etc. 250,298, May 14, 1929. Republished Sept. 13. Class 39.
Porter, George H., doing business as The Eseup Chemical Company, to The Eseup Chemical Company, Fort Worth, Tex. Medical preparation. 257,159, renewed May 28, 1949. O. G. Sept. 13. Class 6.
Prairie Farmer Publishing Company, The, Chicago, Ill. Booklets. 262,473, Oct. 15, 1929. Republished Sept. 13. Class 38.
Priddy, Chas. W., & Company, Incorporated, Norfolk, Va. Chemical agricultural fertiliser. 264,069, renewed Nov. 19, 1949. O. G. Sept. 13. Class 10.
Probak Corporation, Jersey City, N. J., and New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Razor blades. 257,260, renewed June 4, 1949. O. G. Sept. 13. Class 23.
Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser and detergent. 515,088, Sept. 13; Serial No. 546,425, published June 7, 1949. Class 4.
Prometheus Electric Corporation, The, New York, N. Y. Electric plate warmers; radiant electric heaters, etc. 269,877, Apr. 22, 1930. Republished Sept. 13. Class 21.
Pruner, A. E., Exeter, Calif. Fresh citrus fruits and fresh deciduous fruits. 515,011, Sept. 13; Serial No. 532,250, published May 24, 1949. Class 46.
Puget Sound Pulp and Timber Co., Bellingham, Wash. Powdered material obtained substantially entirely from sulphite waste. 515,122, Sept. 13; Serial No. 550,947, published May 24, 1949. Class 6.
Pure Oil Company, The, Chicago, Ill. Soluble oil. 515,141, Sept. 13; Serial No. 552,799, published May 31, 1949. Class 15.
Pure Oil Company, The, Chicago, Ill. Automobile seat covers; automobile heaters, and automobile defrosters. 515,187, Sept. 13; Serial No. 563,363, published Mar. 29, 1949. Class 19.
Purity Cheese Company, Mayville, Wis. Cheese. 424,301, Oct. 1, 1946. Republished Sept. 13. Class 46.
Putnam, Charles E., doing business as Colonial Cedar Company, Seattle, Wash. Lumber, shingles, doors, etc. 261,914, Sept. 24, 1929. Republished Sept. 13. Class 12.
Quaker Chemical Products Corporation, Conshohocken, Pa. Synthetic organic detergents, soaps, solvent cleansers. 515,036, Sept. 13; Serial No. 535,872, published June 7, 1949. Class 4.
R Flint Corporation, New York, to Rock Flint Company, Inwood, Far Rockaway, N. Y. Flint for pocket cigar lighters. 252,662–3, renewed Feb. 12, 1949. O. G. Sept. 13. Class 6.
Reefer-Galler, Inc., New York, N. Y. Moth preventative and insecticide. 515,002, Sept. 13; Serial No. 530,434, published May 31, 1949. Class 6.
Refinery Supply Company, The, Tulsa, Okla. Instruments for the measurement of the density of various gases, etc. 264,431, renewed Nov. 26, 1949. O. G. Sept. 13. Class 26.
Residex Corporation, Newark, N. J. Insecticide. 515,166, Sept. 13; Serial No. 555,084, published May 10, 1949. Class 6.
Resinol Chemical Co., Baltimore, Md. Ointment. 75,258, Sept. 14, 1909. Republished Sept. 13. Class 6.
Revillon Frères, to Revillon, Inc., New York, N. Y. Cloth and fur scarfs, cloth and fur coats, cloth and fur jackets, etc. 255,220, renewed Apr. 16, 1949. O. G. Sept. 13. Class 39.
Revillon, Inc.: *See*—
Revillon Frères.
Rheem Manufacturing Company, Emeryville, to Rheem Manufacturing Company, Richmond, Calif. Steel drums and tanks. 264,137, renewed Nov. 19, 1949. O. G. Sept. 13. Class 2.
Rhodes, D. H., & Co.: *See*—
Turnley, Susan E.
Rice-Stix Dry Goods Company, St. Louis, Mo. Wearing apparel. 262,708, renewed Oct. 22, 1949. O. G. Sept. 13. Class 39.
Robins, A. H., Company, Inc., Richmond, Va. Antitussive preparation. 515,197, Sept. 13; Serial No. 572,379, published June 7, 1949. Class 6.
Rock Flint Company: *See*—
R Flint Corporation.
Royce Chemical Company, Carlton Hill, N. J. General cleaning and scouring compound. 515,076, Sept. 13; Serial No. 543,995, published June 7, 1949. Class 4.
Rutledge Potato Chip Company, Ft. Worth, Tex. Potato chips and corn chips. 515,236, Sept. 13; Serial No. 578,911. Class 46.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Preparations for use in treating poultry, domestic animals, and farm livestock. 515,171, Sept. 13; Serial No. 555,961, published May 31, 1949. Class 6.
Schiavon & Bauer, Watsonville, Calif. Apple juice packed in glass. 515,211, Sept. 13; Serial No. 521,828. Class 46.
Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Ground or pulverized coffee. 209,231, Feb. 16, 1926. Republished Sept. 13. Class 46.
Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Tea and coffee. 288,290, Oct. 20, 1931. Republished Sept. 13. Class 46.
Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Spices. 288,291, Oct. 20, 1931. Republished Sept. 13. Class 46.
Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Food flavoring extracts. 293,129, Apr. 12, 1932. Republished Sept. 13. Class 46.
Schilling & Co. Division of McCormick & Company, Incorporated: *See*—
Schilling, A., & Company.
Schuco Toy Co. Inc., New York, N. Y. Mechanical toys. 515,113, Sept. 13; Serial No. 549,007, published June 7, 1949. Class 22.
Schuman Farms: *See*—
Schuman, Meyer, Co.
Schuman, Meyer, Co., also doing business as Schuman Farms, Beverly Hills and Watsonville, Calif., and Chicago, Ill. Fresh lettuce. 515,100, Sept. 13; Serial No. 548,019, published May 17, 1949. Class 46.
Schuman, Meyer, Co., also doing business as Schuman Farms, Beverly Hills, and Watsonville, Calif., and Chicago, Ill. Fresh vegetables. 515,101, Sept. 13; Serial No. 548,020, published May 24, 1949. Class 46.
Scott Paper Company, Chester, Pa. Paper towels. 515,159, Sept. 13; Serial No. 554,428, published May 17, 1949. Class 37.
Seamless Rubber Company, The, New Haven, Conn. Adhesive plasters. 515,155, Sept. 13; Serial No. 553,920, published May 24, 1949. Class 44.
Sears & Nichols Canning Co., The: *See*—
Sears & Nichols Corporation, The.
Sears & Nichols Corporation, The, Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned vegetables, canned fruits, catsup, and chili sauce. 264,160, renewed Nov. 19, 1949. O. G. Sept. 13. Class 46.

Sears & Nichols Corporation, The, doing business as The Sears & Nichols Canning Co., Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned vegetables, pork and beans with tomato sauce, and baked beans with tomato sauce. 264,392, renewed Nov. 26, 1949. O. G. Sept. 13. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Pharmaceutical agents. 442,413, Apr. 12, 1949. Republished Sept. 13. Class 6.

Seaside Oil Company, Santa Barbara, Calif. Gasoline. 515,172, Sept. 13; Serial No. 556,487, published May 24, 1949. Class 15.

Segal, L., & Co.: *See*—
Segal, Louis.

Segal, Louis, doing business as L. Segal & Co., Philadelphia, Pa. Chocolate covered nut candy. 515,229, Sept. 13; Serial No. 554,725. Class 46.

Seidelmann, Ernst, Corporation, New York, N. Y. Rough and dressed lumber, wood flooring, plywood, etc. 515,046, Sept. 13; Serial No. 537,943, published Sept. 7, 1948. Class 12.

Semon Bache & Company, New York, N. Y. Mirror glass. 515,042, Sept. 13; Serial No. 537,279, published May 24, 1949. Class 33.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 515,064, Sept. 13; Serial No. 545,903, published May 31, 1949. Class 17.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 515,095–6, Sept. 13; Serial Nos. 547,490–1, published May 31, 1949. Class 17.

Sessions, Henry H., doing business as Emblem Oil Company, North Long Beach, Calif. Diesel motor fuels and Diesel motor oils. 514,974, Sept. 13; Serial No. 507,223, published May 31, 1949. Class 15.

Sewerage Commission of the City of Milwaukee, Milwaukee, Wis. Fertilisers. 258,888, renewed July 16, 1949. O. G. Sept. 13. Class 10.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic powder. 75,881, re-renewed Nov. 23, 1949. O. G. Sept. 13. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Sheridan-Wyoming Coal Company, Incorporated, Sheridan, Wyo., to Sheridan-Wyoming Coal Company, Incorporated, Monarch, Wyo. Coal. 263,796, renewed Nov. 12, 1949. O. G. Sept. 13. Class 1.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and germicides. 260,824, renewed Aug. 20, 1949. O. G. Sept. 13. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Asphaltic and coal tar pitch products and compositions for roofing, repairing roofs, etc. 261,931, renewed Sept. 24, 1949. O. G. Sept. 13. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and germicides. 263,042, renewed Oct. 29, 1949. O. G. Sept. 13. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and germicides. 263,943–4, renewed Nov. 12, 1949. O. G. Sept. 13. Class 6.

Shoe Form Co. Inc., Auburn, N. Y. Hosiery forms. 261,815, renewed Sept. 24, 1949. O. G. Sept. 13. Class 50.

Shor, Leon M., West Hempstead, N. Y. Ice cream and sandwiches. 515,206, Sept. 13; Serial No. 505,017. Class 46.

Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Fresh citrus fruits. 515,089, Sept. 13; Serial No. 546,796, published May 17, 1949. Class 46.

Simmons Company, New York, N. Y. Mattresses and box springs. 515,127, Sept. 13; Serial No. 551,742, published May 31, 1949. Class 32.

Simplex Valve & Meter Company, Philadelphia, Pa. Liquid and gas meters, Venturi tubes, pitot tubes, etc. 264,913, Dec. 10, 1929. Republished Sept. 13. Class 26.

Simplex Valve and Meter Company, Philadelphia, Pa. Air-release valves, vacuum valves, rate of flow controllers, etc. 301,904, Mar. 21, 1933. Republished Sept. 13. Class 13.

Sinclair Refining Company, New York, N. Y. Liquid soap. 264,594, renewed Nov. 26, 1949. O. G. Sept. 13. Class 4.

Sinclair Refining Company, New York, N. Y. Mineral wax. 515,164, Sept. 13; Serial No. 555,020, published May 31, 1949. Class 15.

Sleepmaster Products Company, Inc., Newark, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mattresses. 515,029, Sept. 13; Serial No. 534,828, published May 31, 1949. Class 32.

Smiley, J. L., & Co., Seattle, Wash. Canned salmon. 515,112, Sept. 13; Serial No. 548,874, published May 24, 1949. Class 46.

Smythson, Frank, Limited, London, England. Diaries. 264,591, renewed Nov. 26, 1949. O. G. Sept. 13. Class 37.

Snead & Company, Orange, Va. Library bookstacks. 515,010, Sept. 13; Serial No. 532,064, published May 24, 1949. Class 32.

Speaker, J. W., Corporation, Milwaukee, Wis. Motor tune-up oil. 514,935, Sept. 13; Serial No. 521,806, published May 10, 1949. Class 15.

Sport Products, Inc., Cincinnati, Ohio. Athletic equipment. 515,003, Sept. 13; Serial No. 530,979, published May 17, 1949. Class 22.

Spray Brite Co: *See*—
King, Wilfred G.

Spray-Brite Company: *See*—
King, Wilfred G.

Squibb, E. R., & Sons, New York, N. Y. Tablets containing both rutin and ascorbic acid. 515,033, Sept. 13; Serial No. 535,753, published May 31, 1949. Class 6.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, jellies, etc. 216,720, Aug. 17, 1926. Republished Sept. 13. Class 46.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, pickle relish, fruit jellies, etc. 442,632, May 3, 1949. Republished Sept. 13. Class 46.

Standard Brands Incorporated, New York, N. Y. Gelatin desserts. 515,102, Sept. 13; Serial No. 548,025, published May 24, 1949. Class 46.

Standard Diary Company, The, Cambridge, Mass. Blank autograph books. 515,174, Sept. 13; Serial No. 557,076, published May 24, 1949. Class 37.

Standard Milling Company: *See*—
Loudonville Milling Company, The.

Standard Oil Company, The, Cleveland, Ohio. Antidetonation fluid. 515,184, Sept. 13; Serial No. 561,152, published June 7, 1949. Class 6.

Star Expansion Products Company, New York, N. Y. Concrete form ties. 515,023, Sept. 13; Serial No. 533,635, published May 10, 1949. Class 12.

Starline Inc., Harvard, Ill. Barn stalls. 515,082, Sept. 13; Serial No. 548,787, published May 17, 1949. Class 12.

Stenagaard, W. L., and Associates, Inc., Chicago, Ill. Transparent plastic cabinets and display devices. 514,983, Sept. 13; Serial No. 518,260, published June 14, 1949. Class 32.

Sterns, Limited, London, England. Lubricating oils and greases. 257,655, renewed June 18, 1949. O. G. Sept. 13. Class 15.

Stevens-Wiley Manufacturing Company, Inc., The: *See*—
Wiley, J. Elliott.

Stevenson, Ruth C. P., Rockcliffe Park, Ontario, Canada, to Les Parfums de Dana, Inc., New York, N. Y. Perfumes, skin creams, skin lotions, etc. 263,490, renewed Nov. 5, 1949. O. G. Sept. 13. Class 6.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 231,072, Aug. 9, 1927. Republished Sept. 13. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 231,380, Aug. 16, 1927. Republished Sept. 13. Class 39.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 307,061, Oct. 10, 1933. Republished Sept. 13. Class 39.

Stone-Woodward, Inc., Newton Upper Falls, and Newton, Mass. Billiard table cushions. 515,161, Sept. 13; Serial No. 554,834, published May 31, 1949. Class 22.

Stratton & Terstegge Company, Louisville, Ky. Minnow buckets, tackle boxes and bait boxes. 515,153, Sept. 13; Serial No. 553,649, published May 3, 1949. Class 22.

Stratton & Terstegge Company, Louisville, Ky. Minnow buckets. 515,154, Sept. 13; Serial No. 553,651, published May 3, 1949. Class 22.

Strohmeyer & Arpe Company, New York, N. Y. Olive oil, macaroni, etc. 72,945, re-renewed Mar. 2, 1949. O. G. Sept. 13. Class 46.

Sullivan, J. C., doing business as Nu-Way Products Co., North Little Rock, Ark. Permanent type anti-freeze. 515,192, Sept. 13; Serial No. 565,658, published June 7, 1949. Class 6.

Swedish Venetian Blind Corp, North Bergen, N. J., by Westerngrade, Incorporated, Chicago, Ill. Venetian blinds, roller blinds, woodweb shades and bamboo shades. 372,818, Nov. 14, 1939. Republished Sept. 13. Class 32.

Swift & Company: *See*—
Lautz Bros. & Co.

Swift and Company, to Swift & Company, Chicago, Ill. Ham and bacon. 257,565, renewed June 11, 1949. O. G. Sept. 13. Class 46.

Swift & Company, Chicago, Ill. Fresh, prepared, dried, cured, smoked, and canned beef and pork, oleomargarine and lard. 260,782, renewed Aug. 27, 1949. O. G. Sept. 13. Class 46.

Tx Company: *See*—
Tuholske, Leon.

Talon, Inc., Meadville, Pa. Tennis-racket covers, golf bags, and bowling ball bags. 514,994, Sept. 13; Serial No. 527,788, published May 10, 1949. Class 22.

Tarentum Products Corporation, Tarentum, Pa. Wrapping paper. 515,137, Sept. 13; Serial No. 552,614, published May 24, 1949. Class 37.

Tattoo, Inc.: *See*—
Younghusband, James L.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist and smoking tobacco. 514,989, Sept. 13; Serial No. 525,430, published May 31, 1949. Class 17.

Taylor, Edward R., doing business as Taylor Precision Manufacturing Co., Rocky River, Ohio. Detergent. 515,009, Sept. 13; Serial No. 531,863, published June 7, 1949. Class 4.

Taylor Precision Manufacturing Co.: *See*—
Taylor, Edward R.

Taylor & Sledd, Inc., Richmond, Va. Canned peas and canned peaches. 515,079, Sept. 13; Serial No. 544,401, published May 24, 1949. Class 46.

Tea Garden Products Co., San Francisco, Calif. Grape juice. 515,150, Sept. 13; Serial No. 553,549, published May 10, 1949. Class 45.

Tecklote Company, The, Inglewood, Calif. Concrete curing compounds. 515,097, Sept. 13; Serial No. 547,580, published May 10, 1949. Class 12.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton handkerchiefs. 77,770–1, May 3, 1910. Republished Sept. 13. Class 39.

Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton handkerchiefs. 84,886, Jan. 9, 1912. Republished Sept. 13. Class 39.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware and silver and silver mounted hollow ware. 515,210, Sept. 13; Serial No. 520,071. Class 28.

Townsend, Alfred M.: *See*—
Brown, Charles E., & Co.

Traver Corporation, Chicago, Ill. Sheets of plastic film. 515,208, Sept. 13; Serial No. 516,156. Class 37.

Traver Corporation, Chicago, Ill. Decorative wrappers and decorative wrapping paper. 515,209, Sept. 13; Serial No. 516,155. Class 37.

Trudeau, M., & Company, New Orleans, La. Cigars, cheroots, cigarettes and little cigars. 515,235, Sept. 13; Serial No. 562,811. Class 17.

Trupar, Incorporated: *See*—
Trupar Manufacturing Co.

Trupar Manufacturing Co., to Trupar, Incorporated, Dayton, Ohio. Mechanical water softeners, water systems. 256,640, renewed May 21, 1949. O. G. Sept. 13. Class 23.

Tuholske, Leon, doing business as Tx Company, Akron, Ohio. Dermatological preparations. 515,180, Sept. 13; Serial No. 559,260, published May 31, 1949. Class 6.

Turnley, Susan E., doing business as D. H. Rhodes & Co., San Francisco, Calif. Dry, paste and ready mixed paints, varnishes; and oils used in mixing paints. 515,226, Sept. 13; Serial No. 549,767. Class 16.

Udell, Alonzo E., doing business as The Lakeview News, Battle Creek, Mich. Newspaper. 515,224, Sept. 13; Serial No. 547,582. Class 38.

Union Oil Company, Parsons, Kans., and North Kansas City, Mo., by National Cooperatives, Incorporated, Chicago, Ill. Vehicle tires and inner tubes. 302,256, Apr. 4, 1933. Republished Sept. 13. Class 35.

Union Oil Company, Parsons, Kans., and North Kansas City, Mo., by National Cooperatives, Incorporated, Chicago, Ill. Storage (wet cell) batteries. 303,450, May 23, 1933. Republished Sept. 13. Class 21.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 515,168, Sept. 13; Serial No. 555,852, published May 31, 1949. Class 15.

Union Steel Chest Corporation: *See*—
Union Tool Chest Company Inc.

Union Tool Chest Company Inc., Rochester, to Union Steel Chest Corporation, Le Roy, N. Y. Tool chests. 257,845, renewed June 18, 1949. O. G. Sept. 13. Class 2.

United Candy Company, Boston, Mass., to American Chicle Company, Long Island, N. Y. Candy lozenge. 261,531, renewed Sept. 17, 1949. O. G. Sept. 13. Class 46.

United Hybrid Growers Association, Shenandoah, Iowa. Hybrid seed corn. 515,020, Sept. 13; Serial No. 532,775, published May 24, 1949. Class 1.

United Profit-Sharing Corporation, New York, N. Y. Periodical published annually. 262,568, renewed Oct. 15, 1949. O. G. Sept. 13. Class 38.

United States Envelope Company, Springfield, Mass. Merchandise envelopes. 442,636, May 3, 1949. Republished Sept. 13. Class 2.

United States Soap Manufacturing: *See*—
Young, Chas. W., & Co.

Universal Laboratories, Inc., East Orange, N. J. Soaps. 515,192, Sept. 13; Serial No. 560,588, published May 24, 1949. Class 4.

Upjohn Company, The, Kalamazoo, Mich. Product designed for the treatment of boils and similar inflammatory conditions of the skin. 264,093, renewed Nov. 19 1949. O. G. Sept. 13. Class 6.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. 515,108, Sept. 13; Serial No. 548,548, published May 24, 1949. Class 46.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 514,993, Sept. 13; Serial No. 527,641, published June 14, 1949. Class 37.

Vanderbilt R. T., Company, Inc., New York, N. Y. Rubber accelerators. 515,162–3, Sept. 13; Serial Nos. 554,929–30, published June 7, 1949. Class 6.

Van Dusen Harrington Co., Minneapolis, Minn. Wheat flour. 515,038, Sept. 13; Serial No. 536,187, published May 24, 1949. Class 46.

Villard, A. T., Blythe, Calif. Fresh vegetables. 515,103, Sept. 13; Serial No. 548,029, published May 24 ,1949. Class 46

Voorhees Rubber Mfg. Co., Inc., New York, N. Y. Rubber flooring. 515,145–6, Sept. 13; Serial Nos. 553,037–8, published May 10, 1949. Class 12.

Walker, Jessie Robinson, Los Angeles, Calif. Decorative sleeve-like candle ornament made of china, crockery, or earthenware. 443,364–5, Sept. 13; Serial Nos. 511,778–9, published May 24, 1949. Class 30.

Walnut Fruit Growers Association, Walnut, Calif. Fresh citrus fruit 213,305, May 25, 1926. Republished Sept. 13. Class 46.

Ward Blenkinsop & Company Limited, London, England. Chemical substances. 515,157, Sept. 13; Serial No. 554,206, published Apr. 19, 1949. Class 6.

Warren Axe and Tool Company, Warren, Pa. Dogs, hooks, timber-carriers or lug-hooks, etc. 77,014, Mar. 1, 1910. Republished Sept. 13. Class 23.

Warren, S. D., Company, Boston, Mass. Flat printing paper 515,070, Sept. 13; Serial No. 542,736, published Sept. 7, 1948. Class 37.

Watson, Angus, & Co. (America) Limited, San Francisco, Calif. Canned kipper snacks and kippered herring. 259,485, renewed July 30, 1949. O. G. Sept. 13. Class 46.

Webster, G. L., Company, Inc., Cheriton, Va. Tomato juice cocktail, tomato juice, and preserves. 515,065, Sept. 13; Serial No. 541,616, published Oct. 19, 1948. Class 46.

Well Equipment Mfg. Corp., Houston, Tex. Drill collar dope, tool joint dope, and sealing compound. 515,176, Sept. 13; Serial No. 557,706, published May 24, 1949. Class 12.

Well Equipment Mfg. Corp., Houston, Tex. Drill collar dope, tool joint dope, and sealing compound. 515,177, Sept. 13; Serial No. 557,709, published May 24, 1949. Class 12

West Disinfecting Company, Long Island City, N. Y. Disinfectants, deodorants, antiseptics, etc. 257,156, renewed May 28, 1949. O. G. Sept. 13. Class 6.

West, Dr., Company: *See*—
West, Earl C.

West Earl C., doing business as Dr. West Company, Mora, Minn. Cleaner for dental plates. 515,085, Sept. 13; Serial No. 545,923, published June 7, 1949. Class 4.

Western Auto Supply Company, Kansas City, Mo. Motor oil. 515,104, Sept. 13; Serial No. 548,036, published May 31, 1949. Class 15.

Western Features Syndicate, Inc., Rosemead, Calif. Transparencies for use in viewers and projectors. 514,979–80, Sept. 13; Serial Nos. 516,045–6, published June 7, 1949. Class 26.

Western Venetian Blind Co., North Bergen, N. J., by Westerngrade, Incorporated, Chicago, Ill. Venetian blinds, roller blinds, woodweb shades, and bamboo shades. 369,791, Aug. 1, 1939. Republished Sept. 13. Class 32.

Westerngrade, Incorporated: *See*—
Swedish Venetian Blind Corp.
Western Venetian Blind Co.

Westvaco Chlorine Products Corporation, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., and other places through the United States, now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y. Bottle washing compound. 515,039, Sept. 13; Serial No. 536,571, published May 24, 1949. Class 4.

Whiting-Adams Company, Inc.: *See*—
Whiting, John L., J. J. Adams Company.

Whiting, John L., J. J. Adams Company, to Whiting-Adams Company, Inc., Boston, Mass. Brushes. 225,904, renewed Mar. 29, 1947. O. G. Sept. 13. Class 29.

Wiley, J. Elliott, doing business as Blurex Mfg. Co., assignor to The Stevens-Wiley Manufacturing Company, Inc., by the Stevens-Wiley Manufacturing Company, Inc., Philadelphia, Pa. Starching compounds. 336,231, June 30, 1936. Republished Sept. 13. Class 6.

Wilson Brothers, Chicago, Ill. Drawers, sport drawers, and running pants. 260,065, renewed Aug. 13, 1949. O. G. Sept. 13. Class 39.

Wilson Cabinet Company, by Wilson Cabinet Co., Inc., Smyrna, Del. Immersion-type milk cooling cabinets. 420,144, Mar. 26, 1946. Republished Sept. 13. Class 31.

Wilson Cabinet Co., Inc.: *See*—
Wilson Cabinet Company.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Plant-fertilising materials. 70,947, Oct. 20, 1908. Republished Sept. 13. Class 10.

Winston and Newell Company, doing business as Charles Hewitt & Sons Co., Wilmington, Del., and Minneapolis, Minn. Canned fruits. 515,063, Sept. 13; Serial No. 541,247, published May 24, 1949. Class 46.

Wittenberg, Armin H., doing business as Mission Hosiery Mills, Los Angeles, Calif., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery, sweaters, and knitted underwear. 173,372, Sept. 25, 1923. Republished Sept. 13. Class 39.

Wolfe, Harry M., Chicago, Ill. Game tables. 515,057, Sept. 13; Serial No. 539,795, published May 10, 1949. Class 22.

Wonder-Orange Company, Chicago, Ill. Non-alcoholic, maltless beverage, etc. 514,969, Sept. 13; Serial No. 489,634, published May 24, 1949. Class 45.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 514,995, Sept. 13; Serial No. 527,773, published June 7, 1949. Class 22.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. 514,996, Sept. 13; Serial No. 527,775, published May 31, 1949. Class 22.
Yeckes-Eichenbaum, Inc., New York, N. Y. Fresh vegetables, fresh deciduous fruits, and fresh citrus fruits. 515,109, Sept. 13; Serial No. 548,555, published May 24, 1949. Class 46.
Yorba Linda Citrus Association, The: *See*—
Foothill Groves.
Young, Chas. W., & Co., by Grace B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Liquid, semiliquid, powdered and flaked soap. 202,725, Sept. 1, 1925. Republished Sept. 13. Class 4.
Young, Grace B.: *See*—
Young, Chas. W., & Co.
Younghusband, James L., to Tattoo, Inc., Chicago, Ill. Lip sticks and lip rouge. 257,838, renewed June 18, 1949. O. G. Sept. 13. Class 6.
Zenith-Godley Co. Inc., New York, N. Y. Butter. 515,107, Sept. 13; Serial No. 548,445, published May 24, 1949. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Sheridan-Wyoming Coal Company, Incorporated. 263,796, renewed Nov. 12, 1949. O. G. Sept. 13.
Coal, Block. Anchor Coal Company. 95,042, Feb. 3, 1914. Republished Sept. 13.
Coal, Block. Anchor Coal Company. 100,742, Oct. 27, 1914. Republished Sept. 13.
Coal, Semi-anthracite. The Pittsburg & Midway Coal Mining Co. 515,005, Sept. 13; Serial No. 531,241, published Aug. 10, 1948.
Ice. General Public Utilities Company. 233,928, Oct. 11, 1927. Republished Sept. 13.
Leather. A. C. Lawrence Leather Company. 263,904, renewed Nov. 12, 1949. O. G. Sept. 13.
Leather, Patent or enameled. Bristol Patent Leather Company. 75,035–6, re-renewed Aug. 31, 1949. O. G. Sept. 13.
Seed corn, Hybrid. United Hybrid Growers Association. 515,020, Sept. 13; Serial No. 523,775, published May 24, 1949.
Stone, Mined calcium. Harry T. Campbell Sons' Co. 355,614, Mar. 22, 1938. Republished Sept. 13.

CLASS 2

Chests, Tool. Union Tool Chest Company Inc. 257,845, renewed June 18, 1949. O. G. Sept. 13.
Drums and tanks, Steel. Rheem Manufacturing Company. 264,137, renewed Nov. 19, 1949. O. G. Sept. 13.
Envelopes, Merchandise. United States Envelope Company. 442,636, May 3, 1949. Republished Sept. 13.

CLASS 4

Abrasives, Coated. Armour and Company. 515,062, Sept. 13; Serial No. 540,966, published June 7, 1949.
Cleaner, cleanser, and detergent, Soluble. Clean Tim, Limited. 515,068, Sept. 13; Serial No. 542,535, published June 7, 1949.
Cleaner, cleanser, and detergent, Soluble. The Procter & Gamble Company. 515,088, Sept. 13; Serial No. 546,425, published June 7, 1949.
Cleaner, cleanser, and detergent, Sudsing. The Hewitt Soap Company, Inc. 515,093, Sept. 13; Serial No. 547,346, published June 7, 1949.
Cleaner for dental plates. E. C. West. 515,085, Sept. 13; Serial No. 545,923, published June 7, 1949.
Cleaner in powdered and liquid form, Household. C. P. Moore. 515,022, Sept. 13; Serial No. 533,595, published June 7, 1949.
Cleaner, Liquid glass. W. G. King. 515,031, Sept. 13; Serial No. 535,539, published June 7, 1949.
Cleaner, Liquid type. T. D. Payne. 515,061, Sept. 13; Serial No. 540,704, published May 24, 1949.
Cleaning agent, Liquid. College Pharmacy Products. 515,130, Sept. 13; Serial No. 552,040, published June 7, 1949.
Cleaning and scouring compound, General. Royce Chemical Company. 515,076, Sept. 13; Serial No. 543,995, published June 7, 1949.
Cleaning compound. Breuer Electric Mfg. Co. 515,191, Sept. 13; Serial No. 565,089, published May 24, 1949.
Cleaning preparation. Keystone Varnish Company. 222,664, Jan. 4, 1927. Republished Sept. 13.
Cleaning preparations. Armstrong Cork Company. 514,988, Sept. 13; Serial No. 524,927, published May 24, 1949.
Detergent. E. R. Taylor. 515,009, Sept. 13; Serial No. 531,863, published June 7, 1949.
Detergent chemical compound. Galgon, Incorporated. 433,460, Oct. 14, 1947. Republished Sept. 13.
Detergent preparations. Allied Chemical & Dye Corporation. 515,183, Sept. 13; Serial No. 560,953, published June 7, 1949.
Detergents. E. F. Drew & Co., Inc. 515,006, Sept. 13; Serial No. 531,453, published May 31, 1949.
Detergents, soaps, solvent cleansers, Synthetic organic. Quaker Chemical Products Corporation. 515,036, Sept. 13; Serial No. 535,872, published June 7, 1949.
Dry-cleaning fluid. J. C. Penney Company. 258,762, renewed July 16, 1949. O. G. Sept. 13.
Emulsion, Liquid kerosene base. Phillips Chemical Company. 443,360, Sept. 13; Serial No. 486,628, published June 7, 1949.
Polish and cleaner, Enamel, and chrome polish and cleaner. Harley-Davidson Motor Company. 515,008, Sept. 13; Serial No. 531,590, published May 31, 1949.
Polish, Metal. Boyle-Midway, Inc. 515,047, Sept. 13; Serial No. 537,974, published May 31, 1949.
Polish, Stove. Armstrong Paint & Varnish Works. 515,056, Sept. 13; Serial No. 539,619, published June 7, 1949.
Preparation for cleaning. Humphreys Paint Co., Inc. 259,945, renewed Aug. 13, 1949. O. G. Sept. 13.
Preparation to be applied to the face to soften the beard. A. S. Gechtman. 515,189, Sept. 13; Serial No. 564,111, published May 24, 1949.
Remover, Ink. The C. P. Hall Company. 514,977–8, Sept. 13; Serial Nos. 515,552–3, published May 31, 1949.
Sanitary and janitor supplies. National Sanitary Supply Association. 515,204, Sept. 13; Serial No. 530,329, published May 31, 1949.
Scouring block, Abrasive. E. A. Busse. 514,986, Sept. 13; Serial No. 521,879, published June 7, 1949.
Soap. Harriet Hubbard Ayer, Inc. 515,179, Sept. 13; Serial No. 558,716, published May 24, 1949.
Soap. Lanman & Kemp-Barclay & Co. Incorporated. 515,092, Sept. 13; Serial No. 547,008, published June 7, 1949.
Soap and washing powder. Lauts Bros. & Co. 73,948–9, re-renewed June 1, 1949. O. G. Sept. 13.
Soap, Liquid. Sinclair Refining Company. 264,594, renewed Nov. 26, 1949. O. G. Sept. 13.
Soap, Liquid, semiliquid, powdered, and flaked. Chas. W. Young & Co. 202,725, Sept. 1, 1925. Republished Sept. 13.
Soap, Liquid, sweeping compound, dust-collecting sweeping powder, etc. The Fitch Dustdown Company. 515,069, Sept. 13; Serial No. 542,723, published June 7, 1949.
Soap, Toilet, and laundry soap. Consolidated Cosmetics. 515,178, Sept. 13; Serial No. 558,008, published May 24, 1949.
Soaps. Armour and Company. 515,058, Sept. 13; Serial No. 540,145, published June 7, 1949.
Soaps. Hawaiian Perfume & Soap Corporation. 515,007, Sept. 13; Serial No. 531,472, published May 31, 1949.
Soaps. Universal Laboratories, Inc. 515,182, Sept. 13; Serial No. 560,588, published May 24, 1949.
Soaps, Toilet. S. A. Myrurgia. 185,086, renewed June 10, 1944. O. G. Sept. 13.
Washing compound, Bottle. Westvaco Chlorine Products Corporation. 515,039, Sept. 13; Serial No. 536,571, published May 24, 1949.
Wheels and component parts thereof, Buffing. F. L. & J. C. Codman Company. 515,066, Sept. 13; Serial No. 542,001, published June 7, 1949.

CLASS 6

Aluminum hydroxide absorbed biological products. Cutter Laboratories. 515,195, Sept. 13; Serial No. 567,381, published June 7, 1949.
Anti-detonation fluid. The Standard Oil Company. 515,184, Sept. 13; Serial No. 561,152, published June 7, 1949.
Anti-freeze, Permanent type. J. C. Sullivan. 515,192, Sept. 13; Serial No. 565,658, published June 7, 1949.
Antiseptic powder. Sharp & Dohme. 75,881, rerenewed Nov. 23, 1949. O. G. Sept. 13.
Antitussive preparation. A. H. Robins Company, Inc. 515,197, Sept. 13; Serial No. 572,379, published June 7, 1949.
Astringent and antiseptic preparations and ointments. Dome Chemicals, Inc. 515,190, Sept. 13; Serial No. 564,320, published June 7, 1949.
Chemical products. R. T. Collier Corporation. 515,001, Sept. 13; Serial No. 530,171, published May 17, 1949.
Chemical substances. Ward Blenkinsop & Company Limited. 515,157, Sept. 13; Serial No. 554,206, published Apr. 19, 1949.

Composition containing chemical ingredient. C. J. Barton. 515,181, Sept. 13; Serial No. 559,568, published June 7, 1949.
Cotton in liquid and solid form, Negative. J. M. Blinn. 258,617, renewed July 9, 1949. O. G. Sept. 13.
Dermatological preparations. L. Tuholske. 515,180, Sept. 13; Serial No. 559,260, published May 31, 1949.
Disinfectants, deodorants, antiseptics, etc. West Disinfecting Company. 257,156, renewed May 28, 1949. O. G. Sept. 13.
Douche powder. C. B. Hagaman. 515,194, Sept. 13; Serial No. 566,337, published June 7, 1949.
Face cream. De Kama, Inc. 515,139, Sept. 13; Serial No. 552,754, published June 7, 1949.
Flux, Soldering. McGill Manufacturing Company, Inc. 515,117, Sept. 13; Serial No. 549,562, published June 7, 1949.
Fungicide, seed disinfectant, general disinfectant. Bayer-Semesan Company, Inc. 262,615, renewed Oct. 15, 1949. O. G. Sept. 13.
Hair dress preparation. M. B. Berry. 515,142, Sept. 13; Serial No. 552,913, published June 7, 1949.
Insecticide. Residex Corporation. 515,166, Sept. 13; Serial No. 555,084, published May 10, 1949.
Insecticides, fungicides, and germicides. The Sherwin-Williams Company. 260,324, renewed Aug. 20, 1949. O. G. Sept. 13.
Insecticides, fungicides, and germicides. The Sherwin-Williams Company. 263,042, renewed Oct. 29, 1949. O. G. Sept. 13.
Insecticides, fungicides, and germicides. The Sherwin-Williams Company. 263,943–4, renewed Nov. 12, 1949. O. G. Sept. 13.
Lip sticks and lip rouge. J. L. Younghusband. 257,838, renewed June 18, 1949. O. G. Sept. 13.
Medical preparation. G. H. Porter. 257,159, renewed May 28, 1949. O. G. Sept. 13.
Medicinal preparation. S. Pfeiffer Manufacturing Company. 264,227, renewed Nov. 19, 1949. O. G. Sept. 13.
Medicinal preparation, Antiseptic. S. Pfeiffer Mfg. Co. 263,055, renewed Oct. 29, 1949. O. G. Sept. 13.
Moth preventative and insecticide. Reefer-Galler, Inc. 515,002, Sept. 13; Serial No. 530,434, published May 31, 1949.
Ointment. Resinol Chemical Co. 75,258, Sept. 14, 1909. Republished Sept. 13.
Ointment, Antiseptic. Bear Manufacturing Company. 256,928, renewed May 28, 1949. O. G. Sept. 13.
Ointments, Hair. S. Green. 515,230, Sept. 13; Serial No. 552,262.
Perfume, toilet water, eau de cologne, etc. The Parfums Lilly Dache, Ltd. 515,144, Sept. 13; Serial No. 553,013, published May 31, 1949.
Perfumes, skin creams, skin lotions, etc. R. C. P. Stevenson. 263,490, renewed Nov. 5, 1949. O. G. Sept. 13.
Pharmaceutical agents. Sears, Roebuck and Co. 442,413, Apr. 12, 1949. Republished Sept. 13.
Potassium chlorate. International Minerals and Chemical Corporation. 515,083, Sept. 13; Serial No. 545,857, published May 10, 1949.
Powdered material obtained substantially entirely from sulphite waste. Puget Sound Pulp and Timber Co. 515,122, Sept. 13; Serial No. 550,947, published May 24, 1949.
Preparation consisting of liver, iron, and vitamin-B complex. Boyle and Company. 442,179, Mar. 8, 1949. Republished Sept. 13.
Preparation for creating a sun-tanned complexion and for preventing sunburn and freckles. Max Factor & Co. 263,770, renewed Nov. 12, 1949. O. G. Sept. 13.
Preparations for use in treating poultry, domestic animals, and farm livestock. Dr. Salsbury's Laboratories. 515,171, Sept. 13; Serial No. 555,961, published May 31, 1949.
Product designed for the treatment of boils and similar inflammatory conditions of the skin. The Upjohn Company. 264,093, renewed Nov. 19, 1949. O. G. Sept. 13.
Rubber accelerators. R. T. Vanderbilt Company, Inc. 515,162–3, Sept. 13; Serial Nos. 554,929–30, published June 7, 1949.
Rubber solvent. Anderson-Prichard Oil Corporation. 254,070-1, renewed Mar. 12, 1949. O. G. Sept. 13.
Starching compounds. J. E. Wiley. 336,231, June 20, 1936. Republished Sept. 13.
Tablets, Calcium penicillin. Cutter Laboratories. 515,196, Sept. 13; Serial No. 567,334, published June 7, 1949.
Tablets containing both rutin and ascorbic acid. E. R. Squibb & Sons. 515,033, Sept. 13; Serial No. 535,753, published May 31, 1949.
Toilet preparation. Dermetics, Inc. 443,368, Sept. 13; Serial No. 513,720, published Sept. 30, 1947.
Vitamin preparation. Oxford Laboratories, Incorporated. 443,370, Sept. 13; Serial No. 518,314, published June 27, 1948.
Whitening and brightening material for use in washing textiles. Beach Soap Company. 515,188, Sept. 13; Serial No. 563,597, published May 31, 1949.

CLASS 8

Flint for pocket cigar lighters. R Flint Corporation. 252,662–3, renewed Feb. 12, 1949. O. G. Sept. 13.

CLASS 10

Fertiliser, Chemical agricultural. Chas. W. Priddy & Company, Incorporated. 264,059, renewed Nov. 19, 1949. O. G. Sept. 13.
Fertilisers. Sewerage Commission of the City of Milwaukee. 258,888, renewed July 16, 1949. O. G. Sept. 13.
Plant-fertilizing materials. Wilson & Toomer Fertiliser Co. 70,947, Oct. 20, 1908. Republished Sept. 13.

CLASS 12

Brick. The Medal Brick & Tile Co. 201,824, Aug. 11, 1925. Republished Sept. 13.
Cement, Portland. Dixie Portland Cement Company. 73,325, re-renewed Apr. 13, 1949. O. G. Sept. 13.
Cement, Portland. North American Cement Corporation. 515,158, Sept. 13; Serial No. 554,249, published May 31, 1949.
Cement, Portland pozzolana. Ash Grove Lime & Portland Cement Company. 515,119, Sept. 13; Serial No. 550,111, published May 24, 1949.
Closet lining. George C. Brown & Company. 515,185, Sept. 13; Serial No. 561,409, published May 24, 1949.
Conduit, ducts, and pipes. Orangeburg Manufacturing Co., Inc. 515,149, Sept. 13; Serial No. 553,213, published May 31, 1949.
Curing compounds, Concrete. The Techkote Company. 515,097, Sept. 13; Serial No. 547,580, published May 10, 1949.
Dope, Drill collar, tool joint dope, and sealing compound. Well Equipment Mfg. Corp. 515,176, Sept. 13; Serial No. 557,706, published May 24, 1949.
Dope, Drill collar, tool joint dope, and sealing compound. Well Equipment Mfg. Corp. 515,177, Sept. 13; Serial No. 557,709, published May 24, 1949.
Flooring, Rubber. Voorhees Rubber Mfg. Co., Inc. 515,145–8, Sept. 13; Serial Nos. 553,037–8, published May 10, 1949.
Insulating material, Plastic and non-plastic heat. Plibrico Jointless Firebrick Company. 515,120, Sept. 13; Serial No. 550,344, published May 24, 1949.
Lumber, Rough and dressed, wood flooring, plywood, etc. Ernst Seidelmann Corporation. 515,046, Sept. 13; Serial No. 537,943, published Sept. 7, 1948.
Lumber, shingles, doors, etc. C. E. Putnam. 261,914, Sept. 24, 1929. Republished Sept. 13.
Metal articles, conductor pipe and conductor pipe elbows, etc. Inland Steel Products Company. 515,121, Sept. 13; Serial No. 550,510, published May 24, 1949.
Pitch products, Asphaltic and coal tar and compositions for roofing, repairing roofs, etc. The Sherwin-Williams Company. 261,931, renewed Sept. 24, 1949. O. G. Sept. 13.
Preparations to be added to a cement mix. Evode Chemical Works Limited. 515,151, Sept. 13; Serial No. 553,581, published May 24, 1949.
Shingles, Asbestos siding, asphalt roofing shingles, asphalt roll roofing, etc. McRae Bros. 443,363, Sept. 13; Serial No. 510,605, published May 10, 1949.
Stalls, Barn. Starline Inc. 515,082, Sept. 13; Serial No. 545,787, published May 17, 1949.
Ties, Concrete form. Star Expansion Products Company. 515,023, Sept. 13; Serial No. 533,635, published May 10, 1949.
Windows, window frames, window screens, etc. Corry-Jamestown Manufacturing Corporation. 515,053, Sept. 13; Serial No. 538,896, published May 10, 1949.

CLASS 13

Fences, Wire. Atlantic Steel Company. 171,801, Aug. 14, 1923. Republished Sept. 13.
Valves, Air-release, vacuum valves, rate of flow controllers, etc. Simplex Valve and Meter Company. 301,904, Mar. 21, 1933. Republished Sept. 13.

CLASS 14

Castings and forgings of ferrous metals. Electric Steel Foundry. 259,550, renewed July 30, 1949. O. G. Sept. 13.
Steel, Sheet. Inland Steel Company. 262,213, Oct. 1, 1929. Republished Sept. 13.

CLASS 15

Candles. M. K. Baker. 515,167, Sept. 13; Serial No. 555,141, published May 31, 1949.
Fuels, Diesel motor, and Diesel motor oils. H. H. Sessions. 514,974, Sept. 13; Serial No. 507,223, published May 31, 1949.
Gasoline. Seaside Oil Company. 515,172, Sept. 13; Serial No. 556,487, published May 24, 1949.
Gasolines. Phillips Petroleum Company. 256,663, renewed May 21, 1949. O. G. Sept. 13.
Grease, Lubricating. Esso Standard Oil Company. 515,125, Sept. 13; Serial No. 551,550, published May 31, 1949.
Naphtha. Anderson-Prichard Oil Corporation. 252,660, renewed Feb. 12, 1949. O. G. Sept. 13.
Oil, Motor. Western Auto Supply Company. 515,104, Sept. 13; Serial No. 548,036, published May 31, 1949.
Oil, Motor tune-up. J. W. Speaker Corporation. 514,985, Sept. 13; Serial No. 521,306, published May 10, 1949.
Oil, Soluble. The Pure Oil Company. 515,141, Sept. 13; Serial No. 552,799, published May 31, 1949.

Oils and greases, Lubricating. The Hodson Corporation. 515,152, Sept. 13; Serial No. 553,616, published May 31, 1949.
Oils and greases, Lubricating. Sterna, Limited. 257,655, renewed June 18, 1949. O. G. Sept. 13.
Oils, Lubricating. Thomas A. Edison, Incorporated. 260,912, renewed Sept. 3, 1949. O. G. Sept. 13.
Oils, Lubricating. Union Oil Company of California. 515,168, Sept. 13; Serial No. 555,852, published May 31, 1949.
Oils, Quenching. E. F. Houghton & Co. 515,021, Sept. 13; Serial No. 533,576, published May 24, 1949.
Wax, Mineral. Sinclair Refining Company. 515,164, Sept. 13; Serial No. 555,020, published May 31, 1949.

CLASS 16

Cleaning and polishing liquid. Liquid Veneer Corporation. 263,984, renewed Nov. 12, 1949. O. G. Sept. 13.
Enamel, Paint. Keystone Varnish Company. 408,423, Aug. 8, 1944. Republished Sept. 13.
Enamels. Keystone Varnish Company. 63,625, July 2, 1907. Republished Sept. 13.
Enamels, Paint, and varnishes. Keystone Varnish Company. 286,753, Sept. 1, 1931. Republished Sept. 13.
Finishes, enamels, and varnishes, Flat wall. Keystone Varnish Company. 72,686, Feb. 9, 1909. Republished Sept. 13.
Paint, Enamel. Keystone Varnish Company. 207,346, Dec. 29, 1925. Republished Sept. 13.
Paint, Plastic. Great Lakes Varnish Works, Inc. 262,661, renewed Oct. 22, 1949. O. G. Sept. 13.
Paint products. Keystone Varnish Company. 405,503, Feb. 1, 1944. Republished Sept. 13.
Paint, Ready-mixed. International Paint Company, Inc. 515,067, Sept. 13; Serial No. 542,138, published Apr. 19, 1949.
Paints, Dry, paste and ready mixed, varnishes; and oils used in mixing paints. S. E. Turnley. 515,226, Sept. 13; Serial No. 549,767.
Paints, Enamel. Keystone Varnish Company. 115,626, Feb. 27, 1917. Republished Sept. 13.
Paints, Enamel. Keystone Varnish Company. 259,497, July 30, 1929. Republished Sept. 13.
Paints, Enamel, and varnish. Keystone Varnish Company. 118,049, Aug. 14, 1917. Republished Sept. 13.
Paints, House. Keystone Varnish Company. 227,481, May 10, 1927. Republished Sept. 13.
Paints, Ready-mixed. Keystone Varnish Company. 231,184, Aug. 16, 1927. Republished Sept. 13.
Size, Wall painter's, and painter's sizing composed of glue, etc. The Patent Cereals Company. 263,920, renewed Nov. 12, 1949. O. G. Sept. 13.
Varnishes. Keystone Varnish Company. 75,906, re-renewed Nov. 22, 1949. O. G. Sept. 13.
Varnishes and enamel paints. Keystone Varnish Company. 234,684, Nov. 1, 1927. Republished Sept. 13.

CLASS 17

Cigars. Fernandes Palicio y Compania, S. en C. 261,894, Sept. 24, 1929. Republished Sept. 13.
Cigars. A. Sensenbrenner Sons. 515,084, Sept. 13; Serial No. 545,903, published May 31, 1949.
Cigars. A. Sensenbrenner Sons. 515,095–6, Sept. 13; Serial Nos. 547,490–1, published May 31, 1949.
Cigars, cheroots, cigarettes and little cigars. M. Trelles & Company. 515,235, Sept. 13; Serial No. 562,811.
Tobacco, Plug, twist and smoking. Taylor Brothers, Inc. 514,989, Sept. 13; Serial No. 525,430, published May 31, 1949.

CLASS 19

Covers, Automobile seat, automobile heater and automobile defrosters. The Pure Oil Company. 515,187, Sept. 13; Serial No. 563,363, published Mar. 29, 1949.

CLASS 21

Batteries, Storage (wet cell). Union Oil Company. 303,450, May 23, 1933. Republished Sept. 13.
Bulbs, Electric incandescent light. North American Electric Lamp Company. 122,808, Sept. 17, 1918. Republished Sept. 13.
Dials, Radio. H. A. Bell. 340,413, Nov. 10, 1936. Republished Sept. 13.
Generators and parts thereof, Electric, gas and gasoline engine driven generator sets, etc. The Master Electric Company. 441,294, Nov. 16, 1948. Republished Sept. 13.
Hoists and parts thereof, Electrically operated. The Master Electric Company. 369,926, Aug. 8, 1939. Republished Sept. 13.
Hoists and parts thereof, Electrically operated. The Master Electric Company. 380,153, Aug. 13, 1940. Republished Sept. 13.
Hoists and parts thereof, Electrically operated. The Master Electric Company. 410,802, Dec. 19, 1944. Republished Sept. 13.
Lamps, Electric. North American Electric Lamp Company. 137,351, Nov. 23, 1920. Republished Sept. 13.
Motors and parts thereof, Electric. The Master Electric Company. 196,464, Mar. 17, 1925. Republished Sept. 13.
Motors and parts thereof, Electric. The Master Electric Company. 410,179, Nov. 14, 1944. Republished Sept. 13.
Motors and parts thereof, Electric, and electric generators and parts thereof. The Master Electric Company. 430,841, June 24, 1947. Republished Sept. 13.
Toasters, Electric, electric heating pads, portable electric room heaters, etc. Knapp-Monarch Company. 268,535, Mar. 18, 1930. Republished Sept. 13.
Warmers, Electric plate, radiant electric heaters, etc. The Prometheus Electric Corporation. 269,877, Apr. 22, 1930. Republished Sept. 13.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 515,129, Sept. 13; Serial No. 551,963, published May 3, 1949.
Archery sets; surf boards, aquaplanes, etc. Indian Archery & Toy Corporation. 259,586, renewed Aug. 6, 1949. O. G. Sept. 13.
Athletic equipment. Sport Products, Inc. 515,003, Sept. 13; Serial No. 530,979, published May 17, 1949.
Balls, Billiard. The Brunswick-Balke-Collender Company. 515,143, Sept. 13; Serial No. 552,938, published May 10, 1949.
Billiard tables tnd billiard cues. The Brunswick-Balke-Collender Company. 515,087, Sept. 13; Serial No. 546,355, published May 17, 1949.
Board game with movable pieces. The Electric Game Company. 515,156, Sept. 13; Serial No. 554,102, published May 10, 1949.
Buckets, Minnow. Stratton & Terstegge Company. 515,154, Sept. 13; Serial No. 553,651, published May 3, 1949.
Buckets, Minnow, tackle boxes and bait boxes. Stratton & Terstegge Company. 515,153, Sept. 13; Serial No. 553,649, published May 3, 1949.
Cushions, Billiard table. Stone-Woodward, Inc. 515,161, Sept. 13; Serial No. 554,834, published May 31, 1949.
Fishing lines. Long Island Fish Line Co., Inc. 515,140, Sept. 13; Serial No. 552,789, published May 10, 1949.
Fishing reels. Bronson Reel Company. 515,052, Sept. 13; Serial No. 538,873, published May 10, 1949.
Fishing tackle. Brainerd Bait Co. 515,059, Sept. 13; Serial No. 540,514, published May 3, 1949.
Footballs. Mitchell & Ness, Inc. 442,457, Apr. 12, 1949. Republished Sept. 13.
Game, Card. Parker Brothers, Inc. 515,160, Sept. 13; Serial No. 554,698, published May 17, 1949.
Game played with chips. Parker Brothers, Inc. 515,115, Sept. 13; Serial No. 549,329, published May 3, 1949.
Game tables. H. M. Wolfe. 515,057, Sept. 13; Serial No. 539,795, published May 10, 1949.
Golf balls. The Worthington Ball Company. 514,995, Sept. 13; Serial No. 527,773, published June 7, 1949.
Golf balls. The Worthington Ball Company. 514,996, Sept. 13; Serial No. 527,775, published May 31, 1949.
Golf tees. J. S. Norrington. 515,128, Sept. 13; Serial No. 551,909, published June 7, 1949.
Roller skates. Midwest Industries, Incorporated. 515,123, Sept. 13; Serial No. 551,125, published May 10, 1949.
Spoons for artificial fishing bait. The Enterprise Manufacturing Company. 515,073, Sept. 13; Serial No. 543,356, published May 17, 1949.
Spoons for artificial fishing bait. The Enterprise Manufacturing Company. 515,074, Sept. 13; Serial No. 543,358, published May 17, 1949.
Strips for golf clubs and racket handles, Leather. Lamkin Leather Company. 515,138, Sept. 13; Serial No. 552,671, published May 3, 1949.
Tennis-racket covers, golf bags, and bowling ball bags. Talon, Inc. 514,994, Sept. 13; Serial No. 527,768, published May 10, 1949.
Toy. Childhood Interests, Inc. 515,034, Sept. 13; Serial No. 535,809, published June 7, 1949.
Toy blocks. Jingle Joy Toys, Inc. 515,126, Sept. 13; Serial No. 551,636, published May 31, 1949.
Toys, games, and sporting goods. J. C. Penney Company. 258,763, renewed July 16, 1949. O. G. Sept. 13.
Toys, Mechanical. Schuco Toy Co. Inc. 515,113, Sept. 13; Serial No. 549,007, published June 7, 1949.
Trampolines. Fred Medart Manufacturing Company. 432,839, Sept. 16, 1947. Republished Sept. 13.

CLASS 23

Bit stocks, Angular, angular drilling machines, polishing heads, etc. Millers Falls Company. 159,442, Sept. 26, 1922. Republished Sept. 13.
Blades, Razor. Probak Corporation. 257,260, renewed June 4, 1949. O. G. Sept. 13.
Changers, Fixed ratio speed, and stepless variable ratio speed changers. The Master Electric Company. 434,106, Nov. 11, 1947. Republished Sept. 13.
Dogs, hooks, timber-carriers or lug-hooks, etc. Warren Axe and Tool Company. 77,014, Mar. 1, 1910. Republished Sept. 13.
Planters, Single and multiple row corn and cotton. The Ohio Cultivator Company. 383,432, Dec. 10, 1940. Republished Sept. 13.
Rolls, Chilled finished cast iron, chilled cast molybdenum iron alloy rolls and sand-cast iron rolls. Mackintosh-Hemphill Company. 515,013, Sept. 13; Serial No. 532,308, published Apr. 26, 1949.
Rolls, Finished cast carbon steel. Mackintosh-Hemphill Company. 515,032, Sept. 13; Serial No. 535,576, published Apr. 26, 1949.

Rolls, Finished cast chrome molybdenum steel alloy. Mackintosh-Hemphill Company. 515,014, Sept. 13; Serial No. 532,309, published Apr. 26, 1949.
Rolls, Finished cast low alloy chilled iron. Mackintosh-Hemphill Company. 515,012, Sept. 13; Serial No. 532,306, published Apr. 26, 1949.
Rolls, Finished cast nickel chromium iron alloy. Mackintosh-Hemphill Company. 515,015, Sept. 13; Serial No. 532,310, published Apr. 26, 1949.
Transmission units, Variable speed power. The Master Electric Company. 403,724, Oct. 19, 1943. Republished Sept. 13.
Water softeners, Mechanical, water systems. Trupar Manufacturing Co. 256,640, renewed May 21, 1949. O. G. Sept. 13.

CLASS 24

Dryers, Glove. Glov-Tree Corporation. 515,223, Sept. 13; Serial No. 547,442.

CLASS 26

Eyeglasses. Mitchell Optical Co. 515,217, Sept. 13; Serial No. 537,215.
Instruments for the measurement of the density of various gases, etc. The Refinery Supply Company. 264,431, renewed Nov. 26, 1949. O. G. Sept. 13.
Kit containing the necessary parts for the assembling of a camera. E. "Tex" Helm Camera Works. 515,216, Sept. 13; Serial No. 532,289.
Measuring and control apparatus, Electrical, etc. Automatic Temperature Control Co., Inc. 515,111, Sept. 13; Serial No. 548,711, published June 7, 1949.
Meters, Fluid. Hersey Manufacturing Company. 515,220, Sept. 13; Serial No. 543,925.
Meters, Liquid and gas, Venturi tubes, pitot tubes, etc. Simplex Valve & Meter Company. 264,918, Dec. 10, 1929. Republished Sept. 13.
Projectors, Still picture. The Magna-Vue Co. 515,205, Sept. 13; Serial No. 500,480.
Sunglasses. Foster Grant Co. Inc. 515,212, Sept. 13; Serial No. 529,451.
Tape measures. The Lufkin Rule Company. 515,213–14, Sept. 13; Serial Nos. 530,653–4.
Transparencies for use in viewers and projectors. Western Features Syndicate, Inc. 514,979–80, Sept. 13; Serial No. 516,045–6, published June 7, 1949.

CLASS 27

Watches. Meylan Stopwatch Company. 515,132, Sept. 13; Serial No. 552,068, published May 31, 1949.
Watches and clocks. A. C. Becken Co. 515,169, Sept. 13; Serial No. 555,859, published June 7, 1949.
Watches, Pocket, wrist watches, dials, and all parts of watches. Fabrique d'Horlogerie Silvana S. A. 515,043, Sept. 13; Serial No. 537,479, published Dec. 21, 1948.
Watches, watch cases, and watch movements. The Gruen Watch Company. 515,049–51, Sept. 13; Serial Nos. 538,585–7, published June 22, 1948.
Watches, watch cases, and watch movements. The Gruen Watch Company. 515,086, Sept. 13; Serial No. 546,099, published June 7, 1949.

CLASS 28

Flatware, Silver and silver mounted, and silver and silver mounted hollow ware. Towle Manufacturing Company. 513,210, Sept. 13; Serial No. 520,071.
Flatware, Sterling silver. The Elimore Silver Co., Inc. 514,987, Sept. 13; Serial No. 524,124, published June 7, 1949.
Jewelry. Cromwell Manufacturing Corporation. 515,207, Sept. 13; Serial No. 510,377.
Jewelry. Gemex Company. 443,861–2, Sept. 13; Serial Nos. 508,108–9, published June 7, 1949.
Jewelry, silver tableware. B. Altman & Co. 263,476, renewed Nov. 5, 1949. O. G. Sept. 13.
Necklaces, finger rings, and earrings. Joseph H. Meyer Bros. 443,366, Sept. 13; Serial No. 511,885, published June 17, 1947.
Pearls and diamond rings. Argensio Brothers. 408,612, Aug. 22, 1944. Republished Sept. 13.
Rings, Finger. J. Berland. 443,367, Sept. 13; Serial No. 513,232, published June 7, 1949.

CLASS 29

Brushes. John L. Whiting-J. J. Adams Company. 225,994, renewed Mar. 29, 1947. O. G. Sept. 13.
Brushes, Body friction. Hindes Limited. 288,572, Nov. 3, 1931. Republished Sept. 13.

CLASS 30

Goods made wholly or in part of chinaware or porcelain. Georg Jensen, Inc. 514,971, Sept. 13; Serial No. 504,560, published May 24, 1949.
Ornament, Decorative sleeve-like candle, made of china, crockery, or earthenware. J. R. Walker. 443,364–5, Sept. 13; Serial Nos. 511,778–9, published May 24, 1949.

CLASS 31

Air cleaners. Donaldson Company, Inc. 514,998, Sept. 13; Serial No. 528,560, published May 24, 1949.

Bags, Filter; bag type and leaf type filter. Detrex Corporation. 515,091, Sept. 13; Serial No. 546,971, published May 10, 1949.
Cabinets, Immersion-type milk cooling. Wilson Cabinet Company. 420,144, Mar. 26, 1946. Republished Sept. 13.
Cabinets, Refrigerated display, frozen food cabinets, and refrigerated storage lockers. The Bevco Company. 443,369, Sept. 13; Serial No. 517,234, published May 24, 1949.
Mechanical and chemical equipment. National Aluminate Corporation. 514,997, Sept. 13; Serial No. 528,030, published June 7, 1949.
Refrigerators, Commercial and industrial. Hussman-Ligonier Company. 514,992, Sept. 13; Serial No. 527,406, published June 7, 1949.
Water treating equipment. Oshkosh Filter & Softener Company. 515,134, Sept. 13; Serial No. 552,262, published May 17, 1949.

CLASS 32

Bookstacks, Library. Snead & Company. 515,010, Sept. 13; Serial No. 532,064, published May 24, 1949.
Breakfronts, chest of drawers, commodes, bookcases, etc. The Mengel Company. 515,030, Sept. 13; Serial No. 535,172, published May 31, 1949.
Cabinet, Merchandising display and storage. David E. Kennedy, Inc. 515,131, Sept. 13; Serial No. 552,059, published May 31, 1949.
Cabinets and display devices, Transparent plastic. W. L. Stensgaard and Associates, Inc. 514,983, Sept. 13; Serial No. 518,260, published June 14, 1949.
Cabinets, Shoe shine. Griffin Manufacturing Company, Inc. 515,124, Sept. 13; Serial No. 551,380, published May 24, 1949.
Couches and beds. The D. T. Owen Co. 75,839, re-renewed Nov. 23, 1949. O. G. Sept. 13.
Furniture. S. & G. Gump Company. 515,064, Sept. 13; Serial No. 541,294, published May 31, 1949.
Mattresses. National Sleep Products, Inc. 443,871, Sept. 13; Serial No. 519,891, published June 14, 1949.
Mattresses. Sleepmaster Products Company, Inc. 515,029, Sept. 13; Serial No. 534,828, published May 31, 1949.
Mattresses and box springs. Simmons Company. 515,127, Sept. 13; Serial No. 551,742, published May 31, 1949.
Mattresses, springs, studio couches, etc. Komfo Products Corporation. 371,022, Sept. 12, 1939. Republished Sept. 13.
Roller, Window shade. Interstate Shade Cloth Company. 514,999, Sept. 13; Serial No. 528,725, published May 31, 1949.
Rollers, Window shade, and Venetian blind slats. Clopay Corporation. 515,044, Sept. 13; Serial No. 537,564, published June 14, 1949.
Shades, Window. Joanna Western Mills Company. 515,040–1, Sept. 13; Serial Nos. 536,787–8, published June 14, 1949.
Venetian blinds, roller blinds, woodweb shades, and bamboo shades. Swedish Venetian Blind Corp. 372,818, Nov. 14, 1939. Republished Sept. 13.
Venetian blinds, roller blinds, woodweb shades, and bamboo shades. Western Venetian Blind Co. 369,791, Aug. 1, 1939. Republished Sept. 13.

CLASS 33

Glass, Mirror. Semon Bache & Company. 515,042, Sept. 13; Serial No. 537,279, published May 24, 1949.
Glasses, Drinking, bowls, goblets, etc. Owens-Illinois Glass Company. 515,233, Sept. 13; Serial No. 556,722.
Glassware, fancy goods made of glass. Georg Jensen, Inc. 514,972, Sept. 13; Serial No. 504,561, published May 24, 1949.

CLASS 34

Heating apparatus of the warm air type, Oil or gas-burning. Jet-Heet, Inc. 515,219, Sept. 13; Serial No. 539,525.

CLASS 35

Tires and inner tubes, Vehicle. Union Oil Company. 302,256, Apr. 4, 1933. Republished Sept. 13.

CLASS 36

Phonographs, parts of phonographs, phonograph blanks, etc. National Phonograph Company. 33,236, re-renewed July 18, 1949. O. G. Sept. 13.
Phonographs, phonograph parts, and phonograph records. National Phonograph Company. 74,476, re-renewed July 13, 1949. O. G. Sept. 13.

CLASS 37

Binders, Loose leaf. National Blank Book Company. 515,118, Sept. 13; Serial No. 549,648, published May 31, 1949.
Book-paper, writing-paper, correspondence envelops, etc. Bradner Smith & Company. 515,170, Sept. 13; Serial No. 555,864, published June 7, 1949.
Books, Blank autograph. The Standard Diary Company. 515,174, Sept. 13; Serial No. 557,076, published May 24, 1949.

Crayons. The American Crayon Company. 515,071, Sept. 13; Serial No. 543,050, published May 31, 1949.
Diaries. Frank Smythson, Limited. 264,591, renewed Nov. 26, 1949. O. G. Sept. 13.
Forms, Partially printed accounting, and a combination envelope and business form. Adamar Accounting Systems. 514,970, Sept. 13; Serial No. 503,622, published May 10, 1949.
Packages of toilet paper. Albany Perforated Wrapping Paper Company. 82,193, June 13, 1911. Republished Sept. 13.
Paper, Bond. Lee Paper Company. 515,173, Sept. 13; Serial No. 556,900, published May 31, 1949.
Paper, Bond and ledger. Crocker-McElwain Company. 220,536, Nov. 9, 1926. Republished Sept. 13.
Paper, Bond, ledger, mimeo, and duplicating. Nekoosa-Edwards Paper Company. 515,060, Sept. 13; Serial No. 540,554, published May 31, 1949.
Paper, Flat printing. S. D. Warren Company. 515,070, Sept. 13; Serial No. 542,736, published Sept. 7, 1948.
Paper, Ledger and writing, and bond paper. Empire Paper Company. 262,472, renewed Oct. 15, 1949. O. G. Sept. 13.
Paper, Waxed. Marathon Corporation. 515,228, Sept. 13; Serial No. 552,679.
Paper, Wrapping. Tarentum Products Corporation. 515,137, Sept. 13; Serial No. 552,614, published May 24, 1949.
Paper, Writing, typewriter, and printing. Valley Paper Company. 514,993, Sept. 13; Serial No. 527,641, published June 14, 1949.
Pens, Ballpoint. Eversharp, Inc. 515,232, Sept. 13; Serial No. 556,253.
Sheets of plastic film. Traver Corporation. 515,208, Sept. 13; Serial No. 516,156.
Tablets, Pencil and ink, note books, composition books, etc. Blackwell-Wielandy Company. 515,004, Sept. 13; Serial No. 531,016, published June 7, 1949.
Tablets, Writing, papeteries, composition books, etc. Osborn Paper Company, Inc. 515,133, Sept. 13; Serial No. 552,162, published May 31, 1949.
Tissue, Cleansing. Jaciel Perfumers, Inc. 258,962, renewed July 16, 1949. O. G. Sept. 13.
Tissue, Toilet, paper napkins, paper towels, and facial tissue. Ashland Paper Mills, Inc. 515,175, Sept. 13; Serial No. 557,336, published May 31, 1949.
Towels, Paper. Hoberg Paper Mills, Inc. 515,148, Sept. 13; Serial No. 553,110, published May 31, 1949.
Towels, Paper. Scott Paper Company. 515,159, Sept. 13; Serial No. 554,428, published May 17, 1949.
Wrappers, Decorative, and decorative wrapping paper composed of metal coated paper. Traver Corporation. 515,209, Sept. 13; Serial No. 516,158.

CLASS 38

Booklets. The Prairie Farmer Publishing Company. 262,473, Oct. 15, 1929. Republished Sept. 13.
Cartoons, Series of. F. Fox. 150,368–70, Jan. 3, 1922. Republished Sept. 13.
Cartoons, Series of. F. Fox. 150,821, Jan. 10, 1922. Republished Sept. 13.
Cartoons, Series of. F. Fox. 188,651, Sept. 2, 1924. Republished Sept. 13.
Cartoons, Series of. F. Fox. 189,967, Sept. 30, 1924. Republished Sept. 13.
Cartoons, Series of. F. Fox. 304,868, July 18, 1933. Republished Sept. 13.
Magazine. Robert M. McBride & Company. 443,373, Sept. 13; Serial No. 512,596.
Magazine published monthly. Dental Survey Publications. 515,234, Sept. 13; Serial No. 559,217.
Magazine, Weekly. R. R. Bowker Company. 515,225, Sept. 13; Serial No. 548,327.
Maps. D. E. Brewer. 515,231, Sept. 13; Serial No. 555,728.
Newspaper. A. E. Udell. 515,224, Sept. 13; Serial No. 547,582.
Periodical, Monthly. Plastics Publications, Inc. 264,567, renewed Nov. 26, 1949. O. G. Sept. 13.
Periodical published annually. United Profit-Sharing Corporation. 262,568, renewed Oct. 15, 1949. O. G. Sept. 13.

CLASS 39

Boots and shoes. The A. S. Kreider Company. 113,394, Oct. 17, 1916. Republished Sept. 13.
Corsets, girdles, combination garments, etc. Poirette Corsets, Inc. 256,298, May 14, 1929. Republished Sept. 13.
Drawers, sport drawers, and running pants. Wilson Brothers. 260,065, renewed Aug. 13, 1949. O. G. Sept. 13.
Handkerchiefs, Cotton. Tootal Broadhurst Lee Company Limited. 77,770–1, May 3, 1910. Republished Sept. 13.
Handkerchiefs, Cotton. Tootal Broadhurst Lee Company Limited. 84,886, Jan. 9, 1912. Republished Sept. 13.
Hats, Men's. Dickerson & Company. 260,793, renewed Aug. 27, 1949. O. G. Sept. 13.
Hosiery. Berger Hosiery Company, Inc. 251,485, renewed Jan. 6, 1949. O. G. Sept. 13.
Hosiery, sweaters, and knitted underwear. A. H. Wittenberg. 173,372, Sept. 25, 1923. Republished Sept. 13.
Scarfs, Cloth and fur, cloth and fur coats, cloth and fur jackets, etc. Revillon Frères. 255,220, renewed Apr. 16, 1949. O. G. Sept. 13.
Shirts, Men's negligee, dress, and work, men's pajamas, boys' negligee, dress, and work shirts, etc. Cape Cod Shirt Company. 292,583, Mar. 15, 1932. Republished Sept. 13.
Shoes, Children's leather. McGrath Shoe Co., Inc. 202,636, Sept. 1, 1925. Republished Sept. 13.
Shoes, Leather. Stone-Tarlow Co., Inc. 231,072, Aug. 9, 1927. Republished Sept. 13.
Shoes, Leather. Stone-Tarlow Co., Inc. 231,380, Aug. 16, 1927. Republished Sept. 13.
Shoes, Leather. Stone-Tarlow Co., Inc. 307,061, Oct. 10, 1933. Republished Sept. 13.
Socks, Infants' and children's. Chas. Chipmen's Sons Co., Inc. 263,340, renewed Nov. 5, 1949. O. G. Sept. 13.
Wearing apparel. Rice-Stix Dry Goods Company. 262,708, renewed Oct. 22, 1949. O. G. Sept. 13.

CLASS 42

Cloths and stuffs of wool, worsted or hair; piece goods, etc. Morton Sundour Fabrics Limited. 364,429, Jan. 31, 1939. Republished Sept. 13.
Covers, Removable textile seat. The S. E. Hyman Company. 257,311, renewed June 4, 1949. O. G. Sept. 13.
Fabrics in the piece. H. R. Mallinson & Company, Inc. 343,653, Mar. 2, 1937. New certificate. O. G. Sept. 13.
Fabrics in the piece, Textile. Mallinson Fabrics Corporation. 355,118, Mar. 8, 1938. New certificate. O. G. Sept. 13.
Fabrics in the piece, Woven, knitted, netted and pile. Mallinson Fabrics Corporation. 347,695, June 29, 1937. New certificate. O. G. Sept. 13.
Goods in the piece, Cotton. Bellman Brook Bleachery Co. 333,467, Mar. 24, 1936. Republished Sept. 13.
Piece goods. A. S. Eiseman. 304,713, July 18, 1933. New certificate. O. G. Sept. 13.
Piece goods, Cotton, woolen piece goods, and combinations of cotton, wool, mohair, silk. B. Ehrenberg. 188,181, Aug. 19, 1924. Republished Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co. 115,779, Mar. 6, 1917. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co. 115,856, Mar. 13, 1917. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co., Inc. 129,782, Mar. 9, 1920. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co., Inc. 145,144, July 26, 1921. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 148,153, Nov. 8, 1921. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 152,455, Feb. 28, 1922. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co., Inc. 155,003, May 16, 1922. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 162,820, Dec. 26, 1922. New certificate. O. G. Sept. 13.
Piece goods, Silk. H. R. Mallinson & Company, Inc. 280,320, Feb. 10, 1931. New certificate. O. G. Sept. 13.
Sheets or films, Plastic. Milprint, Inc. 442,593, May 3, 1949. Republished Sept. 13.
Silk, rayon, cotton, etc. H. R. Mallinson & Co., Inc. 314,716, July 3, 1934. New certificate. O. G. Sept. 13.
Silk, silk and rayon, etc. H. R. Mallinson & Co. Inc. 247,067, Sept. 18, 1928. New certificate. O. G. Sept. 13.
Voiles in the piece. H. R. Mallinson. 110,754, June 13, 1916. New certificate. O. G. Sept. 13.

CLASS 43

Thread, Artificial-silk embroidery. J. & P. Coats (R. I.), Inc. 260,592, renewed Aug. 27, 1949. O. G. Sept. 13.
Yarns and threads. Dollfus-Mieg & Cie. Societe Anonyme. 75,360–1, re-renewed Sept. 28, 1949. O. G. Sept. 13.

CLASS 44

Arch supports, Foot, metatarsal pads, elastic foot cushions and appliances. International Foot Appliances Limited. 515,114, Sept. 13; Serial No. 549,150, published May 24, 1949.
Covers, Decorative finger nail. L. Lewis. 515,186, Sept. 13; Serial No. 561,675, published May 24, 1949.
Dental handpiece. Densco, Incorporated. 515,135, Sept. 13; Serial No. 552,306, published May 24, 1949.
Implement for polishing teeth. The Columbus Dental Manufacturing Co. 515,116, Sept. 13; Serial No. 549,397, published May 24, 1949.
Plasters, Adhesive. The Seamless Rubber Company. 515,155, Sept. 13; Serial No. 553,920, published May 24, 1949.
Sanitary napkins. Lanair Company. 293,707, May 3, 1932. Republished Sept. 13.
Sheet or plate of a resinous composition adapted for forming into a temporary dental plate. The Dentists' Supply Company of New York. 515,072, Sept. 13; Serial No. 543,147, published May 24, 1949.
Toothpicks. The Diamond Match Company. 515,105, Sept. 13; Serial No. 548,152, published May 24, 1949.

CLASS 45

Beverage, Non-alcoholic, maltless, carbonated. The Moxie Company. 515,017, Sept. 13; Serial No. 532,626, published May 24, 1949.

Beverage, Non-alcoholic, maltless, etc. Wonder-Orange Company. 514,969, Sept. 13; Serial No. 489,634, published May 24, 1949.
Beverages, Nonalcoholic, maltless. Dr. Pepper Company. 515,147, Sept. 13; Serial No. 553,088, published May 10, 1949.
Beverages, Non-alcoholic, non-cereal, maltless. W. M. Buckham. 515,165, Sept. 13; Serial No. 555,052, published May 10, 1949.
Ginger-ale. Blanke-Baer Extract & Preserving Company. 514,991, Sept. 13; Serial No. 527,193, published May 24, 1949.
Grape juice. Tea Garden Products Co. 515,150, Sept. 13; Serial No. 553,549, published May 10, 1949.
Spring-water, Natural. Chippewa Springs Corporation. 515,035, Sept. 13; Serial No. 535,810, published May 17, 1949.

CLASS 46

Beef and pork, Fresh, prepared, dried, cured, smoked, and canned, oleomargine and lard. Swift & Company. 260,782, renewed Aug. 27, 1949. O. G. Sept. 13.
Beef, Carcass, carcass sheep, beef and pork cuts, etc. Armour and Company. 258,380, renewed July 9, 1949. O. G. Sept. 13.
Bread. Oroweat Baking Co. 515,000, Sept. 13; Serial No. 528,944, published May 24, 1949.
Butter. Maid of California Milk Company. 515,024, Sept. 13; Serial No. 533,908, published May 24, 1949.
Butter. Zenith-Godley Co. Inc. 515,107, Sept. 13; Serial No. 548,445, published May 24, 1949.
Cake mixtures, Prepared. R. R. Lang. 515,110, Sept. 13; Serial No. 548,659, published May 24, 1949.
Candy. Fred W. Amend Co. 515,075, Sept. 13; Serial No. 543,769, published May 17, 1949.
Candy. Brigham's, Inc. 515,054, Sept. 13; Serial No. 539,128, published Apr. 26, 1949.
Candy. Gold Medal Candy Corporation. 409,618, Oct. 10, 1944. Republished Sept. 13.
Candy. E. A. Hoffman Candy Co., Inc. 515,037, Sept. 13; Serial No. 536,085, published Nov. 9, 1948.
Candy. Jacobs Candy Company, Ltd. 263,417, renewed Nov. 5, 1949. O. G. Sept. 13.
Candy. The Mason Candy Company. 515,027, Sept. 13; Serial No. 534,301, published May 31, 1949.
Candy, Chocolate covered nut. L. Segal. 515,229, Sept. 13; Serial No. 554,725.
Candy; nuts; candied popcorn, and biscuits. E. F. Kemp. 262,631–3, Oct. 15, 1929. Republished Sept. 13.
Canned fish. The Halfhill Company. 514,973, Sept. 13; Serial No. 506,031, published May 24, 1949.
Canned fruit juices. Hi-Q Products Co. 514,975, Sept. 13; Serial No. 511,614, published May 24.
Canned fruits. Planada Packers. 515,078, Sept. 13; Serial No. 544,386, published May 24, 1949.
Canned fruits. Winston and Newell Company. 515,063, Sept 13; Serial No. 541,247, published May 24, 1949.
Canned fruits, canned vegetables and canned tomato paste. Parrott & Co. 514,982, Sept. 13; Serial No. 517,660, published May 24, 1949.
Canned fruits, canned vegetables, dried fruits and blended coffee. Charles E. Brown & Co. 73,252, re-renewed Apr. 6, 1949 O. G. Sept. 13.
Canned kipper snacks and kippered herring. Angus Watson & Co. (America) Limited. 259,485, renewed July 30, 1949. O. G. Sept. 13.
Canned peas and canned peaches. Taylor & Sledd, Inc. 515,079. Sept. 13; Serial No. 544,401, published May 24. 1949.
Canned pork loaf. Illinois Meat Company. 514,990, Sept. 13; Serial No. 526,805, published May 31, 1949.
Canned salmon. J. L. Smiley & Co. 515,112, Sept. 13; Serial No. 548,874, published May 24, 1949.
Canned vegetables. Eastern Oregon Canning Co., Inc. 514,981, Sept. 13; Serial No. 517,242, published May 31, 1949.
Canned vegetables. J. W. Furman Cannery. 515,081, Sept. 13; Serial No. 545,470, published May 24, 1949.
Canned vegetables, canned fruits, catsup, and chili sauce. The Sears & Nichols Corporation. 264,160, renewed Nov. 19, 1949. O. G. Sept. 13.
Canned vegetables, pork and beans with tomato sauce, and baked beans with tomato sauce. The Sears & Nichols Corporation. 264,392, renewed Nov. 26, 1949. O. G. Sept. 15.
Cheese. Davis Cheese Company. 264,400, renewed Nov. 26 1949. O. G. Sept. 13.
Cheese. Purity Cheese Company. 424,301, Oct. 1, 1946. Republished Sept. 13.
Cheese and butter. R. C. Graham. 258,216, renewed July 2, 1949 O. G. Sept. 13.
Cheese and butter. R. C. Graham. 262,925, renewed Oct. 29. 1949. O. G. Sept. 13.
Coagulators and intensifiers. Flavor-Line, Inc. 515,193, Sept. 13; Serial No. 566,070, published May 24, 1949.
Cocktail, Tomato juice, tomato juice, and preserves. G. L. Webster Company, Inc. 515,065, Sept. 13; Serial No. 541,616, published Oct. 19, 1948.
Coffee. Albert Ehlers, Inc. 515,221, Sept. 13; Serial No. 545,831.
Coffee and chicory, Blend of. Bowers Brothers, Inc. 515,080, Sept. 13; Serial No. 544,844, published May 24, 1949.
Coffee, Ground or pulverized. A. Schilling & Co. 209,231, Feb. 16, 1926. Republished Sept. 13.
Extracts, Food flavoring. A. Schilling & Co. 288,287, Oct. 20, 1931. Republished Sept. 13.
Extracts, Food flavoring. A. Schilling & Co. 293,129, Apr. 12, 1932. Republished Sept. 13.
Fillets, Frozen fish. Dartmouth Fillet Company. 515,227, Sept. 13; Serial No. 551,953.
Flour, Cake. The Loudonville Milling Company. 515,018, Sept. 13; Serial No. 532,711, published May 31, 1949.
Flour, Prepared biscuit. Fisher Flouring Mills Company. 432,569, Sept. 9, 1947. Republished Sept. 13.
Flour, Wheat. Blish Milling Company. 515,077, Sept. 13; Serial No. 544,317, published May 17, 1949.
Flour, Wheat. The Colorado Milling & Elevator Co. 262,608, renewed Oct. 15, 1949. O. G. Sept. 13.
Flour, Wheat. The Loudonville Milling Company. 515,019, Sept. 13; Serial No. 532,731, published May 31, 1949.
Flour, Wheat. Van Dusen Harrington Co. 515,038, Sept. 13; Serial No. 536,187, published May 24, 1949.
Flour, Wheat and self-rising. The Colorado Milling & Elevator Co. 264,605, renewed Nov. 26, 1949. O. G. Sept. 13.
Fruit, Fresh citrus. Mupu Citrus Association. 515,090, Sept. 13; Serial No. 546,859, published May 17, 1949.
Fruit, Fresh citrus. Walnut Fruit Growers Association. 213,305, May 25, 1926. Republished Sept. 13, 1949.
Fruits, Fresh. Melvin Grape Growers Association. 256,903, renewed May 28, 1949. O. G. Sept. 13.
Fruits, Fresh citrus. Bryn Mawr Fruit Growers Association. 125,615, June 3, 1919. Republished Sept. 13.
Fruits, Fresh citrus. Bryn Mawr Fruit Growers Association. 232,323, Sept. 6, 1927. Republished Sept. 13.
Fruits, Fresh citrus. Donna Fruit Company. 514,976, Sept. 13; Serial No. 515,089, published May 24, 1949.
Fruits, Fresh citrus. East Whittier Citrus Association. 515,045, Sept. 13; Serial No. 537,792, published May 24, 1949.
Fruits, Fresh citrus. El Cajon Valley Citrus Association. 226,008, Mar. 29, 1927. Republished Sept. 13.
Fruits, Fresh citrus. El Cajon Valley Citrus Association. 226,017. Mar. 29, 1927. Republished Sept. 13.
Fruits, Fresh citrus. Foothill Groves. 207,162, Dec. 22, 1925. Republished Sept. 13.
Fruits, Fresh citrus. Fullerton Mutual Orange Association. 191,364–5, Nov. 4, 1924. Republished Sept. 13.
Fruits, Fresh citrus. Fullerton Mutual Orange Association. 209,353, Feb. 23, 1926. Republished Sept. 13.
Fruits, Fresh citrus. Limoneira Company. 267,293, Feb. 18, 1930. Republished Sept. 13.
Fruits, Fresh citrus. Lindsay District Orange Company. 220,463, Nov. 9, 1926. Republished Sept. 13.
Fruits, Fresh citrus. Lindsay District Orange Company. 220,920, Nov. 16, 1926. Republished Sept. 13.
Fruits, Fresh citrus. Lindsay District Orange Company. 226,347, Apr. 5, 1927. Republished Sept. 13.
Fruits, Fresh citrus. Mission Citrus Association. 230,754, Aug. 2, 1927. Republished Sept. 13.
Fruits, Fresh citrus. Orange Heights Fruit Association. 218,106, Sept. 21, 1926. Republished Sept. 13.
Fruits, Fresh citrus. The Order of St. Benedict of Florida. 515,106, Sept. 13; Serial No. 548,175, published May 24, 1949.
Fruits, Fresh citrus. Sierra Madre-Lamanda Citrus Association. 515,089, Sept. 13; Serial No. 546,796, published May 17, 1949.
Fruits, Fresh citrus. Upland Heights Orange Association. 515,108, Sept. 13; Serial No. 548,548, published May 24, 1949.
Fruits, Fresh citrus, and fresh deciduous fruits. A. E. Pruner. 515,011, Sept. 13; Serial No. 532,250, published May 24, 1949.
Fruits, Fresh deciduous. M. S. Dodd. 515,094, Sept. 13; Serial No. 547,434, published May 24, 1949.
Fruits, Fresh deciduous, fresh citrus fruits and fresh grapes. Nash-De Camp Company. 514,983, Sept. 13; Serial No. 519,079, published May 24, 1949.
Gelatin desserts. Standard Brands Incorporated. 515,102, Sept. 13; Serial No. 548,025, published May 24, 1949.
Grapefruit, Fresh. Mission Fruit & Vegetable Co. 515,222, Sept. 13; Serial No. 546,719.
Grapes, plums and nectarines, Fresh. Fresno Grape Distributors, Inc. 515,098–9, Sept. 13; Serial Nos. 547,967–8, published May 24, 1949.
Ham and bacon. Swift and Company. 257,565, renewed June 11, 1949. O. G. Sept. 13.
Ice cream and sandwiches. L. M. Shor. 515,206, Sept. 13; Serial No. 505,017.
Juice packed in glass, Apple. Schiavon & Bauer. 515,211, Sept. 13; Serial No. 521,828.
Juice, Prune. Duffy-Mott Company, Inc. 442,130, Mar. 1, 1949. Republished Sept. 13.
Lettuce, Fresh. Meyer Schuman Co. 515,100, Sept. 13; Serial No. 548,019, published May 17, 1949.
Lozenge, Candy. United Candy Company. 261,531, renewed Sept. 17, 1949. O. G. Sept. 13.
Olive oil, macaroni, etc. Strohmeyer & Arpe Company. 72,945, re-renewed Mar. 2, 1949. O. G. Sept. 13.
Pastes, Alimentary. C. F. Mueller Co. 515,028, Sept. 13; Serial No. 534,318, published May 24, 1949.

Pickles, mustard, jellies, etc. Squire Dingee Company. 216,720, Aug. 17, 1926. Republished Sept. 13.
Pickles, mustard, pickle relish, fruit jellies, etc. Squire Dingee Company. 442,632, May 3, 1949. Republished Sept. 13.
Potato chips and corn chips. Rutledge Potato Chip Company. 515,236, Sept. 13; Serial No. 578,911.
Salt. Leslie Salt Co. 515,016, Sept. 13; Serial No. 532,409, published May 24, 1949.
Sausages. Auth-Loffler, Inc. 515,025, Sept. 13; Serial No. 533,972, published May 24, 1949.
Spices. A. Schilling & Co. 288,291, Oct. 20, 1931. Republished Sept. 13.
Spices, and food-flavoring extracts. H P Coffee Company. 127,726, Dec. 2, 1919. Republished Sept. 13.
Tea. Thomas J. Lipton, Inc. 515,026, Sept. 13; Serial No. 534,294, published May 24, 1949.
Tea and coffee. A. Schilling & Co. 288,290, Oct. 20, 1931. Republished Sept. 13.
Vegetables, Fresh. Meyer Schuman Co. 515,101, Sept. 13; Serial No. 548,020, published May 24, 1949.
Vegetables, Fresh. A. T. Villard. 515,103, Sept. 13; Serial No. 548,029, published May 24, 1949.
Vegetables, Fresh, fresh deciduous fruits, and fresh citrus fruits. Yeckes-Eichenbaum, Inc. 515,109, Sept. 13; Serial No. 548,555, published May 24, 1949.

CLASS 48

Ale and stout. Oland & Son Ltd. 515,048, Sept. 13; Serial No. 538,443, published May 24, 1949.
Beer. F. W. Cook Company, Inc. 515,055, Sept. 13; Serial No. 539,498, published May 17, 1949.
Beer. Griesedieck Western Brewery Company. 515,136, Sept. 13; Serial No. 552,454, published May 10, 1949.
Bock beer. Duquesne Brewing Company of Pittsburgh. 443,372, Sept. 13; Serial No. 525,561, published May 24, 1949.

CLASS 49

Whiskey. Bernheim Distilling Co. Inc. 48,571, Jan. 2, 1906. Republished Sept. 13.

CLASS 50

Bottle closures. Brockway Sales Company. 307,553, Oct. 31, 1933. Republished Sept. 13.
Forms, Hosiery. Shoe Form Co. Inc. 261,815, renewed Sept. 24, 1949. O. G. Sept. 13.
Mannequins and display forms. American Fixture and Manufacturing Co. 515,215, Sept. 13; Serial No. 530,902.
Spun glass used as a Christmas tree decoration, Small pieces of luminous coated. El-Bee Laboratories, Inc. 515,218, Sept. 13; Serial No. 538,621.

CLASS 55

Brokerage of real estate, industrial brokerage, farm brokerage, etc. National Association of Real Estate Boards. 515,199, Sept. 13; Serial No. 540,012, published Sept. 14, 1948.
Brokerage of real estate, industrial brokerage, farm brokerage, etc. National Association of Real Estate Boards. 515,200, Sept. 13; Serial No. 540,015, published Sept. 14, 1948.
Financing time sale contracts and wholesale purchases. General Electric Credit Corporation. 515,203, Sept. 13; Serial No. 560,997, published June 7, 1949.
Finishing textile fabrics in the piece. Mount Hope Finishing Company. 515,201, Sept. 13; Serial No. 542,477, published June 7, 1949.
Insurance brokerage and agency services. Fairfield & Ellis. 515,202, Sept. 13; Serial No. 556,001, published June 7, 1949.
Laundry service. Metropolitan Laundry Co., Inc. 515,198, Sept. 13; Serial No. 527,031, published Feb. 22, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Packwood, Heza H., Baton Rouge, La. Power lawn mower with air filtering screen. Re. 23,146, Sept. 13.

LIST OF PLANT PATENTEES

Parson, Peter R., Forest Grove, Oreg. Prune tree. 872, Sept. 13.

LIST OF DESIGN PATENTEES

Addleston, Howard F., and G. I. Smith, San Francisco, Calif. Liquid dispensing device. 155,116, Sept. 13.
Barton, Edward, Hamtramck, assignor to J. Fusik, Utica, Mich. Jewelry box. 155,117, Sept. 13.
Berg, Leo F., Oak Park, Ill., assignor to Hotpoint Inc. Electric range. 155,118, Sept. 13.
Blank, William, Montreal, Quebec, Canada. Steam generating boiler for steam heated flatirons. 155,119, Sept. 13.
Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 155,121, Sept. 13.
Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 155,122, Sept. 13.
Bogoff, Herman, Chicago, Ill. Link bracelet or similar article. 155,120, Sept. 13.
Boynton, Earl S., East Orange, N. J. Lamp. 155,123, Sept. 13.
Carver, Alva R., Lakeland, Fla. Combination desk unit. 155,124, Sept. 13.
Castelli, F. C., Company, assignee: *See*—
Castelli, Frank C.
Castelli, Frank C., Carrol Park, assignor to F. C. Castelli Company, Philadelphia. Table. 155,125, Sept. 13.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 155,126, Sept. 13.
Cochran, Jacqueline, assignee: *See*—
Von Miklos, Josephine.
Colvin, William P., New Rochelle, N. Y. Abacus-like toy. 155,127, Sept. 13.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Cox, Duncan W.: *See*—
Cox, William M. and D. W.
Cox, William M., Woodside, and D. W. Cox, Hillside Heights, N. Y. Toaster casing. 155,128, Sept. 13.
Degefors, Ladislav, Solna, assignor to Instrumentaktiebolaget J. A. Palm, Stockholm, Sweden. Pencil sharpener. 155,129, Sept. 13.
Desforges, Walter H., Jr.: *See*—
Desforges, Walter H., Sr., and W. H., Jr.
Desforges, Walter H., Sr., and W. H. Desforges, Jr., New Orleans, La. Souvenir stick. 155,130, Sept. 13.
Donaldson, James E., Chicago, Ill. Supporting bracket or the like. 155,131, Sept. 13.
Dorfman, Jerome J., and F. H. Kennedy, New York, N. Y. Shoe covering or similar article. 155,132, Sept. 13.
Dow, Harold W., Metamora, Mich. Fish lure. 155,133, Sept. 13.
Dykstra, Jacob, assignor to Glaser, Crandell Co., Chicago, Ill. Bottle or the like. 155,184, Sept. 13.
Elec-Trick Toys Inc., assignee: *See*—
Roggenstein, Edwin O.
Ellsworth, William M., assignor to M. Friedman, Brooklyn, N. Y. Protective container for nursing bottles. 155,135, Sept. 13.
Esposito, Salvatore, and D. Vassallusso, Philadelphia, Pa. Chain for a watch band or similar article. 155,136, Sept. 13.
Farley, Louis C.: *See*—
Marsh, Milton, Goldreich, and Farley.
Feder, Alvin, assignor to Serva-Matic Corporation, Chicago, Ill. Waffle iron. 155,137, Sept. 13.
Fixler Bros., assignee: *See*—
Fixler, Maurice.
Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,138, Sept. 13.
Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,139, Sept. 13.
Fixler, Maurice, assignor to Fixler Bros., Chicago, Ill. Embroidered needlework fabric or similar article. 155,140, Sept. 13.
Friedman, Michael, assignee: *See*—
Ellsworth, William M.
Frumkes, Joseph, Harrison, N. Y. Coat. 155,141, Sept 13.
Frumkes, Joseph, Harrison, N. Y. Coat. 155,142, Sept 13.
Frumkes, Joseph, Harrison, N. Y. Coat. 155,143, Sept. 13.
Fuller, Clarence W., Yonkers, N. Y. Closure cap. 155,144, Sept. 13.
Fusik, Joseph, assignee: *See*—
Barton, Edward.
Gilmore, Edward R., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Gas meter. 155,145, Sept. 13.
Glaser, Crandell Co., assignee: *See*—
Dykstra, Jacob.
Gloria Gloves, Inc., assignee: *See*—
Wiesenthal, Margaret.
Goldreich, Samuel: *See*—
Marsh, Milton, Goldreich, and Farley.
Goldreich, Samuel, assignor to Raymond Products, Inc., Middletown, Conn. Towel holder. 155,147, Sept. 13.
Gorman, Harry, Lawrence, assignor to Millbrook Manufacturing Corp., New York, N. Y. Textile fabric or similar article. 155,148, Sept. 13.
Gossard, Wayne T., Los Angeles, Calif. Electrical plug connection. 155,149, Sept. 13.
Gossard, Wayne T., Los Angeles, Calif. Electrical plug. 155,150, Sept. 13.
Gossard, Wayne T., Los Angeles, Calif. Electrical wall plug. 155,151, Sept. 13.
Greenstein, Julius, and H. Sack, New York, assignors to The Pen-Rite Corp., Flushing, N. Y. Desk pen unit. 155,152, Sept. 13.
Groben, Robert, assignee, trustee: *See*—
Roggenstein, Edwin O.
Gross, Jack, and P. Stern, Brooklyn, N. Y. Plastic film material. 155,153, Sept. 13.
Halvorsen, Olaf, Jacksonville, Fla. Stamping machine. 155,154, Sept. 13.
Haney, Myron L., Evanston, Ill. Combined bowling ball and shoe carrier. 155,155, Sept. 13.
Harland, John H., assignor to John H. Harland Company, Atlanta, Ga. Safety paper or article of similar nature. 155,156, Sept. 13.
Harland, John H., Company, assignee: *See*—
Harland, John H.
Heidrich, Stephen: *See*—
Hoffmann, Kim, and Heidrich.
Hickey, Eve B., Mill Valley, Calif. Eyelash curler. 155,157, Sept. 13.
Hillgren, Carl A., Los Angeles, Calif. Door lock case. 155,158, Sept. 13.
Hodge, G. Howard, New York, N. Y. Hat. 155,159, Sept. 13.

Hoffmann, Kim, and S. Heidrich, assignors to X-ray Corporation, New York, N. Y. Bottle or similar article. 155,160, Sept. 13.

Hotpoint, Inc., assignee: *See*—
Berg, Leo F.

Instrumentaktiebolaget J. A. Palm, assignee: *See*—
Degefors, Ladislav.

Jacobson, Iva, Hamilton, Mont. Clothes hamper. 155,161, Sept. 13.

Jensen, Albert C., Mountain View, Calif. Mantel ornament or similar article. 155,162, Sept. 13.

Johnson, S. C., & Son, Inc., assignee: *See*—
Stevens, Clifford B.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 155,163, Sept. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 155,164, Sept. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 155,165, Sept. 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 155,166, Sept. 13.

Kennedy, Frank H.: *See*—
Dorfman, Jerome J., and Kennedy.

Kerchner, Floyd C., Cincinnati, Ohio. Ring. 155,167, Sept. 13.

Kiehl, Mildred P., Trenton, N. J. Towel bar support. 155,168, Sept. 13.

Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,169, Sept. 13.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Wet and dry bulb thermometer assembly. 155,170, Sept. 13.

Levy, Gertrude, Brooklyn, N. Y. Combined baby seat and play pen. 155,171, Sept. 13.

Lewis, George K., assignor to Three Dimension Company, Chicago, Ill. Slide projector or similar article. 155,172, Sept. 13.

Mandel Brothers, Inc., assignee: *See*—
Mandel, Leon.

Mandel, Leon, assignor to Mandel Brothers, Inc., Chicago, Ill. Display stand. 155,173, Sept. 13.

Marsh, Milton, Plainville, S. Goldreich, Middletown, and L. C. Farley, Wethersfield, assignors to Raymond Products, Inc., Middletown, Conn. Towel holder. 155,175, Sept. 13.

Martin, Lewis E., Lewes, Del. Electric outlet plug. 155,174, Sept. 13.

Melendes, Lucy B. and P., Los Angeles, Calif. Hairdresser's tint tray. 155,176, Sept. 13.

Melendes, Pedro: *See*—
Melendes, Lucy B. and P.

Millbrook Manufacturing Corp., assignee: *See*—
Gorman, Harry.

Modine Manufacturing Company, assignee: *See*—
Reinecke, Jean O.

Nathan, Edwin B., Bronx, N. Y. Handbag. 155,177, Sept. 13.

Ostier, Marianne, New York, N. Y. Gem mounting. 155,178, Sept. 13.

Panish, Erwin J., Bridgeport, Conn. Dual handle control 155,179, Sept. 13.

Pavlinets, George, Carteret, N. J. Container cap or similar article. 155,180, Sept. 13.

Pen-Rite Corp., The, assignee: *See*—
Greenstein, Julius, and Sack.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,181, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,182, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,183, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,184, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,185, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,186, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,187, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,188, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,189, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,190, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,191, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,192, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,193, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,194, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,195, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,196, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,197, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,198, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,199, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,200, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,201, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,202, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,203, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,204, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,205, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,206, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,207, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,208, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,209, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,210, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,211, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,212, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,213, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,214, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,215, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,216, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,217, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,218, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,219, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,220, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,221, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,222, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,223, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,224, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,225, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,226, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,227, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,228, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,229, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,230, Sept. 13.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 155,231, Sept. 13.

Price, Paul A., Sunnyside, N. Y. Block mounted set of letters and numerals. 155,232, Sept. 13.

Priebe, William A., Los Angeles, Calif. Butt gauge. 155,233, Sept. 13.

Raymond Products, Inc., assignee: *See*—
Goldreich, Samuel.
Marsh, Milton, Goldreich, and Farley.

Reinecke, Jean O., Oak Park, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Convector cabinet. 155,234, Sept. 13.

Ridgefield Silversmiths, Inc., assignee: *See*—
San Giovanni, Edward, and Sohn.

Rockwell Manufacturing Company, assignee: *See*—
Gilmore, Edward R.

Roggenstein, Edwin O., Norwalk, Conn., assignor to Elec-Trick Toys Inc.; R. Groben, Utica, N. Y., trustee in bankruptcy. Cable car body. 155,235, Sept. 13.

Rothstein, Abe L., Newton, Mass. Sofa. 155,236, Sept. 13.

Rubel & Company Decorative Accessories, Inc., assignee: *See*—
San Giovanni, Edward, and Sohn.

Sack, Harold: *See*—
Greenstein, Julius, and Sack.

Sanders, Edna L., Laytonville, Calif. Combined place card and flower holder. 155,237, Sept. 18.

San Giovanni, Edward, Ridgefield, Conn., and E. Sohn, New York, N. Y.; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 155,146, Sept. 13.

Serva-Matic Corporation, assignee: *See*—
Feder, Alvin.

Skells, Arthur L., Redlands, Calif. Armrest tray. 155,238, Sept. 13.

Smith, Gertrude I.: *See*—
Addleston, Howard F., and Smith.

Smith, S., & Sons (England) Limited, assignee: *See*—
Winterbourne, James E. V.

Smith, William C., East Liverpool, Ohio. Manicurist hand support. 155,239, Sept. 13.

Softis, Nick, St. Louis, Mo. Measuring pitcher. 155,240, Sept. 13.

Sohn, Ernest: *See*—
San Giovanni, Edward, and Sohn.

Sommers, Albert L., and A. Young, Newburgh, N. Y. Bathing suit or similar article. 155,241, Sept. 13.

Spear Novelty Co., assignee: *See*—
Bogoff, Henry.

Stern, Paul: *See*—
Gross, Jack, and Stern.

Stevens, Clifford B., Milwaukee, assignor to S. C. Johnson & Son, Inc., Racine, Wis. Floor polisher. 155,242, Sept. 13.

Sundberg, Carl W., Detroit, Mich., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Casing for an electric heater. 155,243, Sept. 13.

Swartzbaugh Manufacturing Company, The, assignee: *See*—
Sundberg, Carl W.

Thompson, Elmer H., Longmeadow, Mass. Coffee maker. 155,244, Sept. 13.

Three Dimension Company, assignee: *See*—
Lewis, George K.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Vassalluzzo, Dominic: *See*—
Esposito, Salvatore, and Vassalluzzo.

Vecchio, Luigi, Syracuse, N. Y. Combined fence and gate. 155,245, Sept. 13.

Von Miklos, Josephine, New Canaan, Conn., assignor to Jacqueline Cochran, Indio, Calif. Box. 155,246, Sept. 13.

Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.

Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Fingerless glove. 155,247, Sept. 13.

Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Glove. 155,248, Sept. 13.

Winterbourne, James E. V., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Clock hand or similar article. 155,249, Sept. 13.

Winterbourne, James E. V., Cricklewood, assignor to S. Smith & Sons (England) Limited, London, England. Clock hand or similar article. 155,250, Sept. 13.

Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,251, Sept. 13.

Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,252, Sept. 13.

Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,253, Sept. 13.

Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,254, Sept. 13.

Wolf, Bern, Los Angeles, Calif. Toy animal figure. 155,255, Sept. 13.

X-ray Corporation, assignee: *See*—
Hoffmann, Kim, and Heidrich.

Young, Albert: *See*—
Sommers, Albert L., and Young.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-1 Bit & Tool Company, assignee: *See*—
Yancey, John R.
Abbott, Boyd R., Norristown, assignor to Armstrong Cork Company, Lancaster, Pa. Rotary molding machine. 2,481,486, Sept. 13.
Acme Staple Company, assignee: *See*—
Wampler, Melville E.
Adams, James E., Los Angeles, Calif. Reel and mechanism for inverse winding of motion-picture films. 2,481,708, Sept. 13.
Adams, William C., assignor of twelve and one-half per cent to T. A. Hardin, twelve and one-half per cent to J. A. Hall, twelve and one-half per cent to G. C. Page, and twelve and one-half per cent to J. A. Parker, Dallas, Tex. Baseball score keeping device. 2,481,709, Sept. 13.
Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,481,487, Sept. 13.
Agett, Albert H.: *See*—
Hull, David C., and Agett.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Ambler, Joseph A., and Roberts.
Lineweaver, Hans, Klose, and Alderton.
Alderton, Gordon: *See*—
Lineweaver, Hans, Klose, and Alderton.
Allied Chemical & Dye Corporation, assignee: *See*—
Cosby, John N.
Engel, Karl H.
Exum, Raymond E.
Gwynn, Marion H.
Altman, Fred E., and C. J. Melech, assignors to Eastman Kodak Company, Rochester, N. Y. High-aperture copying lens system. 2,481,639, Sept. 13.
Aluminum Company of America, assignee: *See*—
Hellman, William B., and Short.
Amberg, Walter E., Beverly Shores, Ind. Shaft coupling. 2,481,640, Sept. 13.
Ambler, Joseph A., and E. J. Roberts, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Separation of aconitic acid from molasses. 2,481,557, Sept. 13.
American Cyanamid Company, assignee: *See*—
Duggar, Benjamin M.
Hechenbleikner, Ingenuin.
Kaiser, Donald W., and Nagy.
Nagy, Daniel E.
Thurston, Jack T.
American Optical Company, assignee: *See*—
Brown, Morden G.
Ellis, Charles A.
Leduc, Wilbur.
American Phenolic Corporation, assignee: *See*—
Valach, Charles F.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
Kinne, Edmund P.
Anderson, Carl O., assignor to Ozark-Mahoning Company, Tulsa, Okla. Producing monofluorophosphates. 2,481,807, Sept. 13.
Anderson, George R. and Z., Santa Rosa, Calif.; said Z. Anderson assignor to said G. R. Anderson. Device for separating leaves, stems, and other material from hops. 2,481,897, Sept. 13.
Anderson, Zack: *See*—
Anderson, George R. and Zack.
Apel, Carl H.: *See*—
Murphy, Frank L., and Apel.
Appel, George C., assignor to Globe-Union Inc., Milwaukee, Wis. Storage battery with notched partition. 2,481,558, Sept. 13.
Applesweig, Norman: *See*—
Ronsone, Silvio E., and Applesweig.
Archer, Charles E., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Lapping tool. 2,481,967, Sept. 13.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Armstrong Cork Company, assignee: *See*—
Abbott, Boyd R.
Bishop, LeRoy D.
Borthwick, Harold H.
Gschwend, Paul, and Sharf.
Arndt, Walter C., Oshkosh, Wis. Fish lure. 2,481,710, Sept. 13.
Ashbaugh, Earl H., Petaluma, Calif. Tethering device. 2,481,559, Sept. 13.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerant flow controlling device. 2,481,968, Sept. 13.
Automatic Electric Laboratories, Inc., assignee: *See*—
Hardgrave, Everett J.
Lomax, Clarence E.
Ausin, John M., Warwick, R. I., assignor to Davol Rubber Company. Making inflatable catheters having preformed balloon sacs. 2,481,488, Sept. 13.
Baarlaer, Raymond C.: *See*—
Dales, Harold E., and Baarlaer.
Bailey, Christopher E. G., Bournemouth, Hants, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Electric filter. 2,481,562, Sept. 13.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Bakewell, William E., assignor to Viking Pump Company, Cedar Falls, Iowa. Sanitary pump. 2,481,560, Sept. 13.
Barna, Andrew, South Chicago, Ill. Viewing and illuminating device for divers' helmets. 2,481,808, Sept. 13.
Barnes, Arthur, Waltham, assignor to Polaroid Corporation, Cambridge, Mass. Forming optically smooth, scratch-resistant thermosetting resin coatings on sheets or films of softer organic plastic materials. 2,481,809, Sept. 13.
Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. 2,481,810, Sept. 13.
Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving cut growth resistance of butadiene-vinyl pyridine rubber copolymers. 2,481,811, Sept. 13.
Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Truss type brake beam casting. 2,481,969, Sept. 13.
Batten, Percy H., assignee, trustee: *See*—
Nilsson, Hans R.
Bauer, Kenneth E.: *See*—
McAdam, Ralph E., and Bauer.
Baum, W. A., Co., Inc., assignee: *See*—
Hanafin, Bernard M.
Baxter, William C.: *See*—
De Puy, Charles T., and Baxter.
Beal, Aida T., Baltimore, Md. Garment form. 2,481,561, Sept. 13.
Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking mechanism for looms. 2,481,812, Sept. 13.
Becker, Otto A., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Filter. 2,481,489, Sept. 13.
Becker, Ralph W.: *See*—
Merrill, Marcellus S., and Becker.
Bede, James A., Cleveland, Ohio. Spray painting apparatus. 2,481,813, Sept. 13.
Beeneck, Joseph S., Nanticoke, Pa. Smoking pipe. 2,481,971, Sept. 13.
Behel and Waidle and Briggs, assignee: *See*—
Kanaske, Arthur.
Bell Aircraft Corporation, assignee: *See*—
Wheeler, John W., and Todd.
Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Horizontally adjustable foot rail. 2,481,970, Sept. 13.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Callaway, William B.
Edson, Robert C., and Emling.
Fitch, Karl E.
Holden, William H. T.
Kille, Lindley A., and Robb.
Bemis, Ken E., Oakland, Calif. Automatic frying and basting of eggs. 2,481,711, Sept. 13.
Bendix Aviation Corporation, assignee: *See*—
Bevins, James E.
Dember, Alexis B.
Jenny, Cletus J., and Pryor, III.
Neild, William G.
Reichel, Wladimir A.
Thieme, George B.
Bendix Home Appliances, Inc., assignee: *See*—
Constantine, Arthur R.
Benes, Gordon J., Chicago, Ill. Tool support. 2,481,712, Sept. 13.
Benjamin Electric Mfg. Company, assignee: *See*—
Phillips, Paul D.
Bennett, Frank M., and C. J. Weaver, Canton, assignors to Keeprite Corporation, Youngstown, Ohio. Apparatus for spacing and fixing fins on tubes. 2,481,490, Sept. 13.
Bertea, Alex, Pasadena, Calif. Flexible seal check valve. 2,481,713, Sept. 13.

Best Foods, Inc., The, assignee: *See*—
Schaub, Gordon C.
Better Mouse Trap Company, The, assignee: *See*—
Tyler, John D.
Betts, Chester A., Portland, Oreg. Joining elements of sectional cabinets. 2,481,972, Sept. 13.
Betts and Company Limited, assignee: *See*—
Menheneott, Frank M., and Hagger.
Bevan, William J., East McKeesport, assignor to Rogers Brothers Corporation, Albion, Pa. Front end hoist for semitrailers. 2,481,898, Sept. 13.
Bevins, James E., Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Chart evaluator. 2,481,568, Sept. 13.
Bezjian, Jack, Chicago, Ill. Venetian blind. 2,481,714, Sept. 13.
Bickford, A. M., & Sons Limited, assignee: *See*—
Willis, Harry G.
Bierce, Ernest C., Pasadena, Calif. Nonacid activation process for bleaching clay. 2,481,641, Sept. 13.
Biotic Research Institute, Inc., assignee: *See*—
Whittingham, Barron S.
Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Prevention of foaming in steam generation. 2,481,899, Sept. 13.
Birdsboro Steel Foundry & Machine Co., assignee: *See*—
Japikse, Bertrand.
Bishop, Le Roy D., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Fuel oil system for feeding a plurality of burners, including emptying unused oil. 2,481,491, Sept. 13.
Bjarnason, Bjarni S., assignor to H. T. F. Lundberg, Toronto, Ontario, Canada. Intensity, intensity ratio, and phase difference measuring system for geophysical prospecting. 2,481,492, Sept. 13.
Bjorkman, Axel K., Waukegan, Ill. Physiotherapy apparatus. 2,481,564, Sept. 13.
Black, Auguste M., Rahway, and J. F. Mahoney, Linden, assignors to Merck & Co., Inc., Rahway, N. J. Theophylline-ethylenediamine compound and preparing same. 2,481,715, Sept. 13.
Black, Freeman C., Los Angeles, Calif. Lens testing device. 2,481,716, Sept. 13.
Blackstone, George: *See*—
Buxsell, Dow A., and Blackstone.
Blair, Hosea, San Francisco, Calif. Tilting tripod head. 2,481,717, Sept. 13.
Blok, Lourens, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Audiometer. 2,481,900, Sept. 13.
Blok, Lourens, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Audiometer. 2,481,973, Sept. 13.
Blue, Richard W., Bartlesville, Okla., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of silica zirconia gel. 2,481,493, Sept. 13.
Bocaroy Manufacturing Corporation, assignee: *See*—
Borup, James C.
Boes, W. W., Company, The, assignee: *See*—
Crowl, William E.
Bohmer, Charles S., Chicago, and C. A. Grunschel, Park Ridge, Ill. Multiple tool head. 2,481,642, Sept. 13.
Bonard, Claude, administrator: *See*—
Dreyfus, Henry.
Bonthron, Robert J., and W. W. Rosenberry, U. S. Navy. Shock mounting. 2,481,494, Sept. 13.
Boretz, Abraham, Bronx, N. Y. Traveling bag having top-wall-supported compartment which remains hidden when side-wall closure is opened. 2,481,565, Sept. 13.
Borthwick, Harold H., assignor to Armstrong Cork Company, Lancaster, Pa. Closure-release mechanism. 2,481,495, Sept. 13.
Borup, James C., Sherman Oaks, assignor to Bocaroy Manufacturing Corporation, Los Angeles, Calif. Retractable clothesline. 2,481,638, Sept. 13.
Bowman, Norman J.: *See*—
Coover, Harry W., and Bowman.
Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,481,566, Sept. 13.
Brach, L. S., Mfg. Corp., assignee: *See*—
Cejka, Joseph B.
Potter, James L.
Bracke, R. F., & Company, assignee: *See*—
Bracke, Robert F.
Bracke, Robert F., Arlington Heights, assignor to R. F. Bracke & Company, Chicago, Ill. Two-cycle engine and operating same. 2,481,901, Sept. 13.
Bradley, Leon H., Independence, and J. T. Jennings, Jr., assignors to Butler Manufacturing Company, Kansas City, Mo. Auxiliary suspension assembly for vehicles. 2,481,817, Sept. 13.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Automatic frequency control circuit for frequency modulation television systems. 2,481,902, Sept. 13.
Bradner, John A., assignor to The Lees-Bradner Company, Cleveland, Ohio. Machine for hobbing gears. 2,481,974, Sept. 13.
Brady, Wilson M., Catonsville, Md. Jewelry display. 2,481,903, Sept. 13.
Brecker, George A., Pottsville, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Connecting sleeve for dynamite cartridges. 2,481,814, Sept. 13.
Breese Burners, Inc., assignee: *See*—
Hayter, Bruce.
Brewer, Nathaniel, Newton, assignor to Fischer & Porter Company, Hatboro, Pa. Ratio controller. 2,481,496, Sept. 13.
Briggs, George L., assignee: *See*—
Kanaske, Arthur.
Bristol Aeroplane Company Limited, The, assignee: *See*—
D'Assis-Fonseca, Evelyn C. M.
Thorne, Denis H., and Ramsay.
Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.
Brooks, Philip A., Westwood, Mass. Circular knitting machine. 2,481,718, Sept. 13.
Brooks, Richard P., Longview, Tex. Bait retriever. 2,481,975, Sept. 13.
Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,481,815, Sept. 13.
Browder, John G., Houston, R. M. Love, Baytown, H. G. Schutze, Goose Creek, and R. E. Tannich, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Finishing aromatic concentrates. 2,481,816, Sept. 13.
Brown, Caroline, New York, N. Y. Stretchable reinforced diagonal foundation garment. 2,481,818, Sept. 13.
Brown, Morden G., Williamsville, N. Y., assignor to American Optical Company, Southbridge, Mass. Instrument for hemoglobin determination having two filters to match the spectral curve of oxyhemoglobin. 2,481,567, Sept. 13.
Brown, Steffen A., Dayton, Ohio. Motor construction. 2,481,819, Sept. 13.
Buck, George J., Minneapolis, Minn. Fuel filler can. 2,481,719, Sept. 13.
Burdick, Edwin C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,481,820, Sept. 13.
Burgess, Charles O.: *See*—
Kinsel, Augustus B., and Burgess.
Burnett, John W., Chicago, Ill., assignor to Reynolds Metals Company, Richmond, Va. Ship for handling bulk freight. 2,481,643, Sept. 13.
Burnham Corporation, assignee: *See*—
Edison, William B.
Burton, Ernest V.: *See*—
Hollingsworth, George H., Burton, and Traficante.
Butler Manufacturing Company, assignee: *See*—
Bradley, Leon H., and Jennings.
Buzzell, Dow A., Arlington, Va., and G. Blackstone, Fort Peck, Mont. Producing fused ceramic riprap. 2,481,497, Sept. 13.
Byrne, John E., Dallas, Tex., and W. S. Housel, Ann Arbor, Mich. Marine structure. 2,481,821, Sept. 13.
California Research Corporation, assignee: *See*—
Claussen, William H., and Wellman.
Elwell, William E., and Snow.
Callaway, William B., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transformer responding to variations in amplitude of input waves. 2,481,644, Sept. 13.
Campbell, Frank G., Arlington County, Va. Heat conservation means for domestic hot-water systems. 2,481,720, Sept. 13.
Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Biflar magnetic recording system. 2,481,904, Sept. 13.
Cape, Arthur T., assignor to Coast Metals, Inc., Canton, Ohio. Alloy. 2,481,976, Sept. 13.
Carlsen, John A., Winona, Minn. Overhead track switch operating lever. 2,481,822, Sept. 13.
Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of drying oil by polymerization of olefins. 2,481,498. Sept. 13.
Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,481,568, Sept. 13.
Carper, Alfred B., Eugene, Oreg. Door frame. 2,481,721, Sept. 13.
Carter Carburetor Corporation, assignee: *See*—
Boyce, Leonard D.
Carter, Gerald D., assignee: *See*—
Foerster, Albert W.
Carter, O. L., assignee: *See*—
Ingemarson, Franc.
Caterpillar Tractor Co., assignee: *See*—
Defenbaugh, John L.
Johnson, Lloyd E.
Robinson, Ronald R., and Johnson.
Roman, Randall.
Cayas, Alex J., Glendale, Calif. Vehicle for the disposal of snow and ice. 2,481,569, Sept. 13.
Cejka, Joseph B., Highland Park, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Automotive vehicle antenna. 2,481,823, Sept. 13.
Celanese Corporation of America, assignee: *See*—
Dreyfus, Henry.
Irany, Ernest P., and Noether.

Chain Belt Company, assignee: *See*—
Miller, Arthur E., and Eickstaedt.
Chain, John T.: *See*—
Kirby, Donald T., and Chain.
Champagnat, Alfred, assignor to Societe Generale des Huiles de Petrole, Paris, France. Refining of liquid hydrocarbons. 2,481,570, Sept. 13.
Chassaing, Pierre: *See*—
Maincon, Maurice, and Chassaing.
Chemical Process Company, assignee: *See*—
Mills, Gordon F.
Cheminski, Raymond, Schenectady, N. Y. Carton for ink bottles. 2,481,571, Sept. 13.
Cherry, Lloyd B., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Power regulating bridge network. 2,481,905, Sept. 13.
Chilcot, Arthur L., Temperley, and S. Jackson, Chadderton, England. Mounting of electrodes in electric discharge tubes. 2,481,906, Sept. 13.
Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
MacPhillamy, Harold B., and Schols.
Cinamon, Lionel, New York, N. Y. Metal protective coating method. 2,481,977, Sept. 13.
Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Secondary thermal breaker. 2,481,722, Sept. 13.
Claussen, William H., and H. B. Wellman, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Dehydrogenation of hydrocarbon oil and catalyst therefor. 2,481,824, Sept. 13.
Cleveland Worm & Gear Company, The, assignee: *See*—
Eastman, Sidney L., and Johns.
Clough, Joseph B., Cleveland Heights, Ohio. Automobile radio coupler and communication. 2,481,978, Sept. 13.
Coast Metals, Inc., assignee: *See*—
Cape, Arthur T.
Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., The Weirs, N. H. Producing a dried food product. 2,481,723, Sept. 13.
Colbert, William H., and A. E. Weinrich, Brackenridge, Pa., and W. L. Morgan, Columbus, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Mirror structure having a metal to glass adherence increasing interlayer. 2,482,054, Sept. 13.
Colley, Russell H., Westport, Conn. Filtering device for clothes-washing machines. 2,481,979, Sept. 13.
Collier, Robert T., assignee: *See*—
Knoy, Marion F.
Collura, Francesco, New York, N. Y., assignor to Millers Falls Company, Greenfield, Mass. Brush and brush holder for electric drills. 2,481,499, Sept. 13.
Colonial Radio Corporation, assignee: *See*—
Pifer, Marion J.
Commercial Plastics Company, assignee: *See*—
Mott, Rogers J.
Conacher, Hugh H., Spring Hall, Birmingham, assignor to Messrs. Waldall & Assembly Limited, Birmingham, England. Motor control system. 2,481,572, Sept. 13.
Conill, Fernan O., Cannes, France. Drying hair. 2,481,645, Sept. 13.
Conklin, Robert M., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Variable delivery gear pump. 2,481,646, Sept. 13.
Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Production of synthetic gels. 2,481,825, Sept. 13.
Constantine, Arthur R., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Air circulating blower. 2,481,980, Sept. 13.
Cook, Ira A., Milan, Mo. Mouse trap. 2,481,907, Sept. 13.
Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for free-piston units. 2,481,908, Sept. 13.
Coover, Harry W., and N. J. Bowman, Rochester, N. Y., assignors to Merck & Co., Inc., Rahway, N. J. Substituted pyridine compounds. 2,481,573, Sept. 13.
Coppus Engineering Corporation, assignee: *See*—
Gibson, Carl W.
Cosby, John N., Morristown, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Making aliphatic nitriles. 2,481,826, Sept. 13.
Courtaulds Limited, assignee: *See*—
MacGregor, James H.
Cox, George C., Charleston, W. Va. Electrode terminal connections for the electrolysis of seaport and related waters. 2,481,827, Sept. 13.
Crain, Harry M.: *See*—
Wodal, Francis A., and Crain.
Craven, Robert L., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable high reactivity paraformaldehyde. 2,481,981, Sept. 13.
Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.
Croteau, Leo, Brockton, Mass. Adjustable target. 2,481,724, Sept. 13.
Crouse-Hinds Company, assignee: *See*—
Rock, Joseph, Jr.
Crowl, William E., assignor to The W. W. Boes Company, Dayton, Ohio. Electrical measuring instrument and circuits therefor. 2,481,500, Sept. 13.
Culley, Erwin R., and M. W. Culley, Chicago, Ill. Play table. 2,481,725, Sept. 13.
Culley, Marie W.: *See*—
Culley, Erwin R., and M. W.
Dakin, Eric McM.: *See*—
Grünewald, Friedrich, and Dakin.
Dales, Harold E., and R. C. Baarlaer, Detroit, Mich. Drain device. 2,481,909, Sept. 13.
D'Ardenne, Walter H., Jenkintown Manor, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Rocket launcher. 2,481,910, Sept. 13.
Darnall, James C., Jr., Hyattsville, Md. Bomb container and releasing mechanism. 2,481,501, Sept. 13.
D'Assis-Fonseca, Evelyn C. M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition-belt feed mechanism for automatic firearms. 2,481,726, Sept. 13.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Combined spring and friction shock absorbing mechanism. 2,481,574, Sept. 13.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,481,575, Sept. 13.
Daven Company, The, assignee: *See*—
Doucette, Edmund.
Davis, Carl S.: *See*—
Digman, John E., and Davis.
Davol Rubber Company, assignee: *See*—
Ausin, John M.
Deadwyler, Robert E., Seattle, Wash. Cigarette lighter. 2,481,982, Sept. 13.
De Boer, Kornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for stereophonic sound transmission in two channels. 2,481,576, Sept. 13.
De Boer, Kornelis and R. Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for adjusting the stereophonic effect in devices for stereophonic transmission. 2,481,911, Sept. 13.
Deffenbaugh, John L., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor track. 2,481,727, Sept. 13.
De Generes, William E., Sunland, Calif. Staple remover. 2,481,647, Sept. 13.
De Hay, William H.: *See*—
Sebald, Joseph F., and De Hay.
Dehn, William F., Nutley, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for combining variable quantities. 2,481,648, Sept. 13.
De Laval Separator Company, The, assignee: *See*—
Hall, Selden H.
Dell, Joseph, Windber, Pa. Railway crosstie. 2,481,983, Sept. 13.
Dember, Alexis B., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Humidity responsive resistor. 2,481,728, Sept. 13.
Denlau, André J., Paris, France, assignor to General Electric Company. Siphon. 2,481,984, Sept. 13.
De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,481,577, Sept. 13.
Derbyshire, Charles E., Fort Wayne, Ind., assignor to General Electric Company. High reactance transformer. 2,481,985, Sept. 13.
Desert Gold Feed Company, assignee: *See*—
Miller, Alfred L.
Detroit Harvester Company, assignee: *See*—
Floraday, Burton S.
Devlyn, Arthur H., assignor of one-fourth to C. A. Pevitt, Lithgow, New South Wales, Australia. Nut lock. 2,481,828, Sept. 13.
Dewey, Benjamin F., assignor to Lapp Insulator Company, Inc., Le Roy N. Y. Porcelain insulator body. 2,481,729, Sept. 13.
Digman, John E., Takoma Park, and C. S. Davis, West Hyattsville, Md. Electric knife switch. 2,481,829, Sept. 13.
Dijksterhuis, Pieter H.: *See*—
Dorsman, Cornelis, and Dijksterhuis.
Dixon, Alfred B., Wilcoe, W. Va. Attachment for electric hand drills. 2,481,578, Sept. 13.
Dobbs, Fred, assignee: *See*—
Fitz, Charles L.
Doerr, Keith, assignor to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Hose coupling. 2,481,730, Sept. 13.
Dolesal, Emil, Butte, Mont. Egg cracker. 2,481,579, Sept. 13.
Dorsman, Cornelis, and P. H. Dijksterhuis, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase comparator comprising an alternating current bridge circuit. 2,481,912, Sept. 13.

Doucette, Edmund, assignor to The Daven Company, Newark, N. J. Attenuator assembly. 2,481,649, Sept. 13.
Dow Chemical Company, The, assignee: *See*—
Hanson, Alden W.
Stanton, George W., and Lowry.
Downing, George G., Atlanta, Ga. Mechanism for projecting and retracting aircraft lift rotors. 2,481,502, Sept. 13.
Dreyer, John F., Springfield, assignor to The General Polarising Company, Cincinnati, Ohio. Optically polarising dichroic film and preparing the same. 2,481,830, Sept. 13.
Dreyfus, Henry, deceased, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Manufacture of aliphatic dinitriles. 2,481,580, Sept. 13.
Dreyfuss Art Co., Inc., assignee: *See*—
Gates, Norbert S., and Pinto.
Dualoc Engineering Co., assignee: *See*—
Randall, Ralph R.
Dubin, Rubin M., Los Angeles, Calif. Mixer. 2,481,731, Sept. 13.
Duchesneau, William J., Hartford, Conn. Static electricity discharging device. 2,481,913, Sept. 13.
Duggar, Benjamin M., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Aureomycin and preparation of same. 2,482,055, Sept. 13.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Ringer, Robert L., Jr.
Dunbar, James Y., R. D. Gilpin, and N. R. Hussey, United States Navy. Isolated radiant energy control system. 2,481,503, Sept. 13.
Du Pont E. I., de Nemours & Company, assignee: *See*—
Craven, Robert L.
Ewing, Alvin L.
Hager, Glenn F.
Kertess, Francois.
Kirby, Donald T. and Chain.
Temple, Sterling.
Williams, Thurman V.
Dutton, George I., North East, and R. E. Fountain, Erie, Pa., assignors to General Electric Company. Stabilising circuit. 2,481,986, Sept. 13.
Dwyer, Martin, Hewlett Harbor, N. Y. Emergency signaling device. 2,481,987, Sept. 13.
Early, Paul F., Dayton, Ohio, assignor to Standard-Thomson Corporation. Light projecting device. 2,481,988, Sept. 13.
Eastern Rubber Specialties, assignee: *See*—
Teston, Rebecca O.
Eastman Kodak Company, assignee: *See*—
Altman, Fred E., and Melech.
Fierke, Scheuring S.
Gillon, John W., and Haraden.
Hagemeyer, Hugh J., Jr.
Harrison, Henry.
Harvey, Douglass C.
Hopkins, Roy S.
Hull, David C., and Agett.
Knott, Edward B., Hamer, and Rathbone.
Lowe, Wesley G.
McAdam, Ralph E., and Bauer.
Mihalyi, Joseph.
Minsk, Louis M., and Kenyon.
Nadeau, Gale F.
Russell, John, and Stauffer.
Salo, Martin, and Vivian.
Schade, Willy and Van Graafeiland.
Schubert, Alvin E., and Hints.
Sprague, Robert H.
Sun, Kuan-Han.
Sun, Kuan-Han, and Huggins.
Werth, Lloyd L.
Wittel, Otto.
Eastman, Sidney L., Cleveland Heights, and C. M. Johns, assignors to The Cleveland Worm & Gear Company, Cleveland, Ohio. Air-cooled reduction gear unit. 2,481,914, Sept. 13.
Eaton, John L.: *See*—
Fenn, John B., and Eaton.
Ecrémeuses Mélotte, Societé Anonyme, assignee: *See*—
Henrard, Fernand J. J. J.
Eddison, William B., Irvington, N. Y., assignor to Burnham Corporation. Motor control. 2,481,989, Sept. 13.
Edson, Robert C., Livingston, and J. W. Emling, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier wave communication system. 2,481,915, Sept. 13.
Edwards, Jack E., Houston, Tex. Well head construction. 2,481,732, Sept. 13.
Ehnhuus, Hartvig, Brooklyn, N. Y. Extension stepladder. 2,481,581, Sept. 13.
Ehrke, John C., Le Center, Minn. Door latch. 2,481,990, Sept. 13.
Eickstaedt, Edwin A. C.: *See*—
Miller, Arthur E., and Eickstaedt.
Elec-Trick-Toy, Inc., bankrupt: *See*—
Roggenstein, Edwin O.
Electrolux Corporation, assignee: *See*—
Wahlberg, Eric C.
Elias, William M., Winkler, Manitoba, Canada. Swivel valve joint. 2,481,733, Sept. 13.
Ellis, Charles A., assignor to American Optical Company, Southbridge, Mass. Eye testing device having self-contained means for checking both far and near vision deficiencies. 2,481,582, Sept. 13.
Ellis, Gage B., assignee: *See*—
Simons, Harry M.
Elwell, William E., and A. L. Snow, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization process. 2,482,056, Sept. 13.
Emling, John W.: *See*—
Edson, Robert C., and Emling.
Engel, Karl H., Teaneck, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Isolation of styrene by azeotropic distillation. 2,481,734, Sept. 13.
Enthone, Inc., assignee: *See*—
MacMahon, James D.
Ernst, Walter, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic circuit. 2,481,991, Sept. 13.
Erwin, Weldon C., South Gate, Calif. Outside cutter. 2,481,831, Sept. 13.
Even-Pul Foundations, Inc., assignee: *See*—
Lo Cascio, Jack.
Ewing, Alvin L., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for processing yarn. 2,481,916, Sept. 13.
Ex-Cel-O Corporation, assignee: *See*—
Archer, Charles E.
Extended Surface Division of David E. Kennedy, Inc., assignee: *See*—
Schryber, Emil A.
Exum, Raymond E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Material unloader. 2,481,917, Sept. 13.
Fairchild Engine and Airplane Corporation, assignee: *See*—
Whitfield, Marshall G.
Fairest, Derek H.: *See*—
Fairest, Morgan, and D. H.
Fairest, Morgan and D. H., assignors to Morgan Fairest Limited, Sheffield, England. Work support for grinding machines and the like. 2,481,918, Sept. 13.
Fairest, Morgan, Limited, assignee: *See*—
Fairest, Morgan and D. H.
Feigen, Joseph, Brooklyn, N. Y. Closure means for handbags. 2,481,735, Sept. 13.
Fenn, John B., Riverview, and J. L. Eaton, Trenton, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,481,583, Sept. 13.
Ferguson Pailin Limited, assignee: *See*—
Grünewald, Friedrich, and Dakin.
Ferro, Thomas and M. M. Manov, Piedmont, assignors to Oakland Scavenger Co., Oakland, Calif. Traveling grate incinerator for city refuse and the like. 2,481,504, Sept. 13.
Fierke, Scheuring S., assignor to Eastman Kodak Company, Rochester, N. Y. Removing soluble salts from photographic emulsions. 2,481,650, Sept. 13.
Fincke, Leo I., assignor of one-half to W. R. Hodgkinson, Chicago, Ill. Casting target. 2,482,057, Sept. 13.
Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.
Fisher, Earl J., Clarksville, Va. Method and apparatus for continuous run treatment of sheet materials. 2,481,992, Sept. 13.
Fitch, Karl E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiway regenerative repeater system. 2,481,919, Sept. 13.
Fits, Charles L., assignee: *See*—
Fits, Charles L.
Fitz, Charles L., Albany, Calif., assignor of one-half to F. Dobbs and one-half to C. L. Fits, Three Lakes, Wis. Magnetic governor. 2,481,920, Sept. 13.
Fitzpatrick, John T., Morristown, N. J. Pressure indicating device. 2,481,651, Sept. 13.
Fletcher Works, Inc., assignee: *See*—
Roessel, Hilmar.
Floraday, Burton S., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Door handle assembly. 2,481,832, Sept. 13.
Foerster, Albert W., assignor of one-half to G. D. Carter, Milwaukee, Wis. Illuminated level. 2,481,736, Sept. 13.
Forrest, George H., assignee: *See*—
Simons, Karl L.
Fort, Robert W., Colby, Kans. Seed harvester. 2,481,652, Sept. 13.
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Ironing board pad. 2,481,833, Sept. 13.
Foster, John, Denton, assignor to B. & S. Massey Limited, Openshaw, Manchester, England. Axially engaging multiple disk clutch. 2,481,834, Sept. 13.
Fountain, Roy E.: *See*—
Dutton, George I., and Fountain.
Fowler, George B., assignee, trustee: *See*—
Toews, Gustav P.
Fowler, Robert M., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Separation of columbium and tantalum. 2,481,584, Sept. 13.
Franklin Institute of the State of Pennsylvania for the promotion of the Mechanic Arts, The, assignee: *See*—
Sharpe, John S.

Frasier, Quentin, West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Shock absorbing means. 2,481,505, Sept. 13.

Freeman, Leonard A., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Driving mechanism for article forming apparatus. 2,481,653, Sept. 13.

Freeman, Michael W., Detroit, Mich. Lubricating oil composition. 2,481,585, Sept. 13.

Fuller, George W., Huntington Park, Calif., assignor to National Engineering Company, Chicago, Ill. Mold clamping and pouring system. 2,481,654, Sept. 13.

Fuss, William H., Osborn, Ohio. Electronic gauge. 2,481,993, Sept. 13.

Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locating faults in cables. 2,481,655, Sept. 13.

Gamertsfelder, Carl C., Jr., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fast neutron meter. 2,481,506, Sept. 13.

Gannon, Alfred C., assignor to Kingan & Co. Incorporated, Indianapolis, Ind. Sheet holding device. 2,482,058, Sept. 13.

Gannon, Aubra L., Alameda, Calif. Power chain saw. 2,481,835, Sept. 13.

Gartner, Irl C., Dallas, Tex. Coat hanger attachment. 2,481,737, Sept. 13.

Gates, Norbert S., Emerson, N. J., and A. J. Pinto, Brooklyn, assignors to Dreyfuss Art Co., Inc., New York, N. Y. Interleaving attachment for folders. 2,482,059, Sept. 13.

Gates, Norbert S., Emerson, N. J., and A. J. Pinto, Brooklyn, assignors to Dreyfuss Art Co., Inc., New York, N. Y. Interleaving attachment for folders. 2,482,060, Sept. 13.

General Electric Company, assignee: *See*—
Atchison, Leonard W.
Deniau, André J.
Derbyshire, Charles E.
Dutton, George L., and Fountain.
Headley, Francis B.

General Electric X-Ray Corporation, assignee: *See*—
Zunick, Michael J.

General Motors Corporation, assignee: *See*—
Opits, Eric J.

General Polarising Company, The, assignee: *See*—
Dreyer, John F.

General Railway Signal Company, assignee: *See*—
Preston, Neil D., and Hitchcock.

Gevaert Company of America, Inc., The, assignee: *See*—
Schwarz, George.

Gibson, Carl W., assignor to Coppus Engineering Corporation, Worcester, Mass. Rotary fuel burner with a disk type fuel-distributing means. 2,481,836, Sept. 13.

Gibson, Harry E., Muskegon, Mich. Humidifier. 2,481,738, Sept. 13.

Glese, Frederick F., Pittsburgh, Pa. Convertible toy vehicle and the like. 2,481,837, Sept. 13.

Gillon, John W., and G. A. Haraden, assignors to Eastman Kodak Company, Rochester, N. Y. Interconnected camera finder and focus adjusting mechanism. 2,481,656, Sept. 13.

Gilpin, Robert D.: *See*—
Dunbar, James Y., Gilpin, and Hussey.

Ginder, Raymond M., assignor, by mesne assignments, to The Wyatt Manufacturing Company, Incorporated, Salina, Kans. Hay stacker and loader. 2,481,994, Sept. 13.

Glasgow, George U., assignor to United States Rubber Company, New York, N. Y. Preparation of synthetic rubber latices. 2,481,838, Sept. 13.

Globe-Union Inc., assignee: *See*—
Appel, George C.

Godley, Fred O., Charlotte, N. C., assignor, by mesne assignments, to Sperry Corporation, New York, N. Y. Center delivery rake. 2,481,995, Sept. 13.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Color television. 2,481,839, Sept. 13.

Goldstein, Hymen, Fairlawn, N. J. Parachute target. 2,481,507, Sept. 13.

Goodman, Mac, assignor to Radio Receptor Company, Inc., New York, N. Y. Rectifiers. 2,481,739, Sept. 13.

Gordon, Leonard O., Bremerton, Wash. Clip. 2,481,740, Sept. 13.

Grady, Francis A., assignee: *See*—
Sabee, Reinhardt N., and White.

Grady, Frank A., assignee: *See*—
Sabee, Reinhardt N., and White.

Graves, Sherburne R., Plymouth, N. H. Safety sleeper for babies. 2,481,741, Sept. 13.

Gray, Kenneth R.: *See*—
Schlosser, Paul H., and Gray.

Green, Donald C., Russell, Ohio. Check valve. 2,481,482, Sept. 13.

Gregory, Eli E., Lewisport, Ky. Carrying device for fishhooks. 2,481,586, Sept. 13.

Gregory, Eli E., Lewisport, Ky. Fishing leader making device. 2,481,587, Sept. 13.

Grinka, Lila, executrix: *See*—
Tiefenbacher, Thomas B.

Groben, Robert, assignee, trustee: *See*—
Roggenstein, Edwin O.

Gruettner, Gerhard G., assignor to New Hermes Engraving Machine Corp., New York, N. Y. Electrically operated engraving and copying machine. 2,481,657, Sept. 13.

Gruettner, Gerhard G., assignor to New Hermes Engraving Machine Corp., New York, N. Y. Electromagnetic operating means for engraving and copying machines. 2,481,658, Sept. 13.

Grünewald, Friedrich, Manchester, and H. M. Dakin, Ashton-under-Lyne, assignors to Ferguson Pailin Limited, Manchester, England. Air blast circuit breaker. 2,481,996, Sept. 13.

Grunschel, Carl A.: *See*—
Bohmer, Charles S., and Grunschel.

Gschwend, Paul, Manheim Township, Lancaster County, and J. M. Sharf, Lancaster Township, Lancaster County, assignors to Armstrong Cork Company, Lancaster, Pa. Closure-feeding device. 2,481,508, Sept. 13.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Synchronising alternating electric voltages. 2,481,659, Sept. 13.

Gurton, Owen A.: *See*—
Taylor, James, and Gurton.

Gwynn, Marion H., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Catalytic hydrogenation of naphthalenes. 2,481,921, Sept. 13.

H-P-M Development Corporation, assignee: *See*—
Ernst, Walter.
Waldie, George A., and Muller.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation of ketenes with quinones. 2,481,742, Sept. 13.

Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction-hydrolysis of nitrobenzenes to cyclohexanols. 2,481,922, Sept. 13.

Hagger, Wilfrid J.: *See*—
Menheneott, Frank M., and Hagger.

Haigh, Paul V., and W. S. Horton, assignors to Studebaker Corporation, South Bend, Ind. Transmission. 2,481,997, Sept. 13.

Hall, John A., assignee: *See*—
Adams, William C.

Hall, Selden H., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Grappler. 2,481,923, Sept. 13.

Hamaker, Hugo C.: *See*—
Veenemans, Cornelis F., and Hamaker.

Hamer, Frances M.: *See*—
Knott, Edward B., Hamer, and Rathbone.

Hamilton, Alfred E., Pittsburgh, Pa. Grinding and polishing machine of the rotary-tool type. 2,481,588, Sept. 13.

Hamlin, Marston L., Lynbrook, N. Y. Master clock. 2,482,061, Sept. 13.

Hanafin, Bernard M., Kew Gardens, assignor to W. A. Baum Co., Inc., New York, N. Y. Sphygmomanometer cuff. 2,481,924, Sept. 13.

Hansel, Paul G., Red Bank, N. J. Directional system. 2,481,509, Sept. 13.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Measuring of high-frequency power. 2,481,589, Sept. 13.

Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Storage battery separator of polystyrene fiber. 2,482,062, Sept. 13.

Haraden, George A.: *See*—
Gillon, John W., and Haraden.

Hardgrave, Everett J., San Angelo, Tex., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Timer for switching from signaling device to the subscriber's ringer after selectable predetermined time. 2,481,840, Sept. 13.

Hardin, T. A., assignee: *See*—
Adams, William C.

Harrigan, Cornelius H., Ridgewood, assignor to J. H. Hays, Morristown, N. J. Antimarriage roller. 2,481,998, Sept. 13.

Harrison, Henry, assignor to Eastman Kodak Company, Rochester, N. Y. Fluid diaphragm. 2,481,660, Sept. 13.

Hartford National Bank & Trust Company, The, assignee, trustee: *See*—
Bailey, Christopher E. G.
Blok, Lourens.
De Boer, Kornelis, and Vermeulen.
Dorsman, Dornelis, and Dijksterhuis.
Veenemans, Cornelis F., and Hamaker.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Self-erecting front camera. 2,481,661, Sept. 13.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Mechanism for forcing sliding doors open and closed. 2,481,590, Sept. 13.

Hastings, Roger W., Longmeadow, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water cooler. 2,481,662, Sept. 13.

Hayes, Millard F., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y. Mechanism for vibrating diaphragms of pulp screens. 2,481,999, Sept. 13.

Hays, John H., assignee: *See*—
Harrigan, Cornelius H.

Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Modulating control. 2,481,663, Sept. 13.

Haseltine Research, Inc., assignee: *See*—
Loughlin, Bernard D.

Headley, Francis B., Pittsfield, Mass., assignor to General Electric Company. Impulse generator. 2,482,000, Sept. 13.

Hechenbleikner, Ingenuin, Norwalk, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of organic phosphates. 2,482,063, Sept. 13.

Hegbar, Howard R., Princeton, N. J., assignor to Radio Corporation of America. Pulse modulator. 2,481,925, Sept. 13.

Heidmann, Leon, Jeumont, assignor to Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, Paris, France. Controller and circuit breaker for electric motors. 2,481,743, Sept. 13.

Hellman, William B., Alcoa, Tenn., and H. M. Short, Bridgeville, assignors to Aluminum Company of America, Pittsburgh, Pa. Treatment of aluminous dross. 2,481,591, Sept. 13.

Heintz Manufacturing Company, assignee: *See*—
D'Ardenne, Walter H.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Preparing catalyst particles having nuclei of previously calcined fines. 2,481,841, Sept. 13.

Hemp, Joseph L., Macomb, Ill. Insulated container. 2,481,664, Sept. 13.

Henderson, Robert D., Cincinnati, Ohio. Self-adjusting and locking wheel supporting device. 2,481,926, Sept. 13.

Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Film winding mechanism for cameras. 2,481,665, Sept. 13.

Henrard, Fernand J. J. J., assignor to Ecrémeuses Mélotte, Société Anonyme, Remicourt, Belgium. Metallic churns and butter kneaders having no kneading rollers. 2,481,842, Sept. 13.

Heslop, Robert N., F. Irving, and A. Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 3':4'-phthaloylacridones. 2,481,744, Sept. 13.

Hesseltine, Jesse G., Sedgwick, Colo. Adjustable sash spring. 2,481,592, Sept. 13.

Hewitt, John W. Jr., Neenah, Wis. Die edge grinding apparatus. 2,482,001, Sept. 13.

Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.

Hiller, Stanley, Jr., Berkeley, assignor, by mesne assignments, to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,745, Sept. 13.

Hiller, Stanley, Jr., Berkeley, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,746, Sept. 13.

Hiller, Stanley, Jr., Berkeley, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,747, Sept. 13.

Hiller, Stanley, Jr., Menlo Park, assignor to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,748, Sept. 13.

Hiller, Stanley, Jr., Menlo Park, assignor to United Helicopters, Inc., Palo Alto, Calif. Reaction jet torque compensation for helicopters. 2,481,749, Sept. 13.

Hiller, Stanley, Jr., Menlo Park, and J. Stuart, III, assignors to United Helicopters, Inc., Palo Alto, Calif. Helicopter. 2,481,750, Sept. 13.

Hintz, Harvey P.: *See*—
Schubert, Alvin E., and Hintz.

Hislop, John A., assignor to Vard, Inc., Pasadena, Calif. Strut construction for drafting machines. 2,481,666, Sept. 13.

Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.

Hodgkinson, William R., assignee: *See*—
Fincke, Leo I.

Hoe, Edward L., Poughkeepsie, N. Y. Axially engaging positive clutch. 2,481,593, Sept. 13.

Hoenes, Samuel E. W., East Hempstead, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Workholder for mounting between jaws of a vise to support or clamp a workpiece. 2,482,002, Sept. 13.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,481,667, Sept. 13.

Hollingsworth, George H., Long Beach, Calif., and E. V. Burton, Seymour Johnson Field, N. C., and R. A. Trafficante, Meriden, Conn. Transition trainer. 2,481,510, Sept. 13.

Holt, Philetus H., II, Summit, and N. Menshih, Cranford, N. J., assignors to Standard Oil Development Company. Extraction of aromatics with aluminum halide-aromatic complexes. 2,481,843, Sept. 13.

Hooker, Ralph J., Hamilton, Ohio, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure actuated fuel injection system for free-piston engines. 2,481,927, Sept. 13.

Hopkins, Roy S., assignor to Eastman Kodak Company, Rochester, N. Y. Film-handling apparatus and film render projector. 2,481,668, Sept. 13.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Antihunt electrical measuring and controlling system. 2,482,064, Sept. 13.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Antihunt electric motor control system. 2,482,065, Sept. 13.

Horton, Winthrop S.: *See*—
Haigh, Paul V., and Horton.

Houdry Process Corporation, assignee: *See*—
Blue, Richard W.

Housel, William S.: *See*—
Byrne, John E., and Housel.

Howard, Ruth, New York, N. Y. Garter purse. 2,481,594, Sept. 13.

Howell, Lloyd: *See*—
Turner, Ralph, and Howell.

Hubbell, Charles C., Meadville, Pa., assignor to The Yoder Company, Cleveland, Ohio. Evaporator. 2,481,511, Sept. 13.

Hubbell, Charles C., assignor to The Yoder Company, Cleveland, Ohio. Evaporator structure. 2,481,512, Sept. 13.

Huebner, William C., New York, N. Y. Predetermined registering device for printing elements. 2,481,928, Sept. 13.

Huggins, Maurice L.: *See*—
Sun, Kuan-Han, and Huggins.

Hughes, Thomas M., Drummond, Mont. Shelf to hold working tools for lubrication hoists. 2,481,595, Sept. 13.

Hull, David C., and A. H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Producing enol acetates. 2,481,669, Sept. 13.

Hull, David C., and A. H. Agett, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Acetylation of compounds containing a

—CO—$(CH_2)_x$—CO—

group. 2,482,066, Sept. 13.

Hussey, Norman R.: *See*—
Dunbar, James Y., Gilpin, and Hussey.

Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluids and using same. 2,481,513, Sept. 13.

Imperial Chemical Industries Limited, assignee: *See*—
Heslop, Robert N., Irving, and Livingston.
Taylor, James, and Gurton.

Ingemarson, Franc, assignor of one-third to O. L. Carter and one-third to A. Thompson, Tulsa, Okla. Pipebending machine. 2,481,514, Sept. 13.

Irany, Ernest P., Cranford, N. J., and H. D. Noether, Kew Gardens, N. Y., assignors to Celanese Corporation of America. Stabilization of polysulfone resins. 2,481,596, Sept. 13.

Irving, Francis: *See*—
Heslop, Robert N., Irving, and Livingston.

Isbister, Eric J., Forest Hills, N. Y., assignor to The Sperry Corporation. Method and apparatus for pulse-echo distance measuring. 2,481,515, Sept. 13.

Jackson, Sydney: *See*—
Chilcot, Arthur L., and Jackson.

Jacobsen, Lance R., Seattle, Wash. Mobile telephone system. 2,481,516, Sept. 13.

Jacoby, Arthur L.: *See*—
Bird, Paul G., and Jacoby.

Jaggi, Lewis F., San Antonio, Tex. Superregenerative receiver system. 2,481,517, Sept. 13.

James, Jerome B., Emigrant Gap, Calif. Variable thrust and reversing propeller. 2,481,751, Sept. 13.

Japikse, Bertrand, Reiffton, assignor to Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa. Press mechanism. 2,481,670, Sept. 13.

Jennings, James T., Jr.: *See*—
Bradley, Leon H., and Jennings.

Jenny, Cletus J., Clifton, and T. F. Pryor, III, Upper Montclair, assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric regulator with diaphragm type spring. 2,481,752, Sept. 13.

Jon, Curt G., Sheboygan Falls, Wis. Sanitary napkins and fastening anchorage loops thereto. 2,481,929, Sept. 13.

John, Eugene A.: *See*—
John, Hazel E. and E. A.

John, Hazel E. and E. A., Seattle, Wash. Article of furniture. 2,481,671, Sept. 13.

Johns, Clair M.: *See*—
Eastman, Sidney L., and Johns.

Johnson, Bertram E., assignor to Winpower Mfg. Company, Newton, Iowa. Clothesline reel. 2,481,753, Sept. 13.

Johnson, Frederick H., Pleasant Ridge, Mich. Welding mechanism. 2,481,844, Sept. 13.

Johnson, Herbert L., Peabody, Mass. Sheet metal working machine. 2,481,518, Sept. 13.

Johnson, Jay D.: *See*—
Robinson, Ronald R., and Johnson.

Johnson, Leonard C., Rio, Wis. Animal trap. 2,481,519, Sept. 13.

Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Pump. 2,481,754, Sept. 13.

Johnson, Oscar H., Medina, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Substituted propionic acids and preparing the same. 2,481,597, Sept. 13.

Johnson, William E. P.: *See*—
Walker, Daniel N., and Johnson.

Jones, Bert R., West Haven, Conn. Anchor for lading retaining bands for flat top railway cars. 2,481,598, Sept. 13.

Jones, Gilbert C., La Grange, N. C. Radiator clamp. 2,481,755, Sept. 13.

Jones, Walter I., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener socket member. 2,482,067, Sept. 13.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,481,756, Sept. 13.

Jungersen, Thoger G., Summit, N. J. Optical reflecting material. 2,481,757, Sept. 13.

Kaiser, Donald W., Riverside, and D. E. Nagy, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Mono-aryl isomelamines. 2,481,758, Sept. 13.

Kanaske, Arthur, assignor to B. W. Waldie and G. L. Briggs, co-partners doing business as Behel and Waldie and Briggs, Chicago, Ill. Color exhibiting device. 2,481,672, Sept. 13.

Katchel, Lyle T., La Crosse, Wis. Heated shoe tree for drying shoes. 2,481,930, Sept. 13.

Kaufman, Dorothy B., Cleveland, Ohio. Necktie holder or rack. 2,482,003, Sept. 13.

Keeprite Corporation, assignee: *See*—
Bennett, Frank M., and Weaver.

Kendall Company, The, assignee: *See*—
Ziegler, Paul F.

Kenyon, William O.: *See*—
Minsk, Louis M., and Kenyon.

Kershaw, Knox and R., Montgomery, Ala. Spike setter carriage. 2,481,483, Sept. 13.

Kershaw, Royce: *See*—
Kershaw, Knox and R.

Kertess, Francois, Staten Island, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cadmium sulfose-lenide pigments. 2,482,006, Sept. 13.

Kester, William F., Hamilton Field, Calif. Replaceable bearing journal assembly. 2,481,931, Sept. 13.

Kille, Lindley A., Morristown, and T. D. Robb, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Supervisory signaling in telephone systems. 2,481,932, Sept. 13.

King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Canopy operating mechanism. 2,482,004, Sept. 13.

King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Clutch mechanism. 2,482,007, Sept. 13.

King Organic Chemicals, Incorporated, assignee: *See*—
King, Robert G.

King, Robert G., assignor to King Organic Chemicals, Incorporated, Norwalk, Conn. Conversion of pinene to terpin hydrate. 2,481,845, Sept. 13.

King, Sidney S., Yellow Springs, Ohio. Position computer. 2,481,846, Sept. 13.

Kingan & Co. Incorporated, assignee: *See*—
Gannon, Alfred C.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler. 2,482,005, Sept. 13.

Kinsel, Augustus B., New York, and C. O. Burgess, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy addition agent. 2,481,599, Sept. 13.

Kirby, Donald T., Claymont, and J. T. Chain, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of suede leather with synthetic polymers. 2,481,933, Sept. 13.

Kirsch Company, assignee: *See*—
Stuts, Frederick L.

Kleber, Eugene V., Wyandotte, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Polymerization of propylene. 2,482,008, Sept. 13.

Klose, Alvin A.: *See*—
Lineweaver, Hans, Klose, and Alderton.

Knott, Edward B., F. M. Hamer, and R. J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. 2-amino- and 2-alkylthio-4-(2-furyl)-thiazoles. 2,481,673, Sept. 13.

Knott, Edward B., F. M. Hamer, and R. J. Rathbone, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. 4-(2-pyrryl) thiazoles and 4-(2-pyrryl) selenazoles. 2,481,674, Sept. 13.

Knox, Samuel S., Long Beach, Calif. Optical instrument for use in aircraft for visually synchronizing the landing wheels and ground movement. 2,481,600, Sept. 13.

Knoy, Marion F., Long Beach, assignor to R. T. Collier, Wilmington, Calif. Cooling cycle for internal-combustion engines. 2,481,520, Sept. 13.

Kresser, Leon: *See*—
Schoenhols, Daniel, and Kresser.

Lacey, Robert T., Spokane, Wash. Seal conveyed letter opener. 2,482,080, Sept. 13.

Langley, Glenn, Davenport, Wash. Grade indicator. 2,481,847, Sept. 13.

Langston, Bryant W., Woodbury, assignor to Samuel M. Langston Co., Camden, N. J. Sheet delivery control for cut-off mechanisms. 2,481,934, Sept. 13.

Langston, Samuel M., Co., assignee: *See*—
Langston, Bryant W.

Lapp Insulator Company, Inc., assignee: *See*—
Dewey, Benjamin F.

Lappe, Rudolph, Detroit, Mich. Juice extractor. 2,481,848, Sept. 13.

Larison Compensating Axle Corporation, assignee: *See*—
Larison, Glenn L.

Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Suspension for vehicles. 2,481,521, Sept. 13.

Larson, Charles O., Sterling, Ill. Combined bench and table. 2,481,935, Sept. 13.

Larson, Charles O., assignor to Chas. O. Larson Co., Sterling, Ill. Outdoor fireplace. 2,482,008, Sept. 13.

Larson, Chas. O., Co., assignee: *See*—
Larson, Charles O.

Lasar, William, Los Angeles, Calif. Adjustable pulley mounting for band saws. 2,481,675, Sept. 13.

Lawrence, Raymond H., South Akron, Ohio. Plectrum with two playing points. 2,481,759, Sept. 13.

Lear, Inc., assignee: *See*—
Slaughter, Elmer C.

Leduc, Wilbur, assignor to American Optical Company, Southbridge, Mass. Cable brace-bar ophthalmic mounting. 2,481,601, Sept. 13.

Lees-Bradner Company, The, assignee: *See*—
Bradner, John A.

Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Thermostatically controlled space heater. 2,481,849, Sept. 13.

Leher, Louis J., assignor to Steam Torch Corporation, New York, N. Y. Vapor superheating system and apparatus. 2,481,760, Sept. 13.

Leon, Richard R., Elsmere, Del. Upholstered furniture structure. 2,481,761, Sept. 13.

Les Usines de Melle (Societe Anonyme), assignee: *See*—
Maingon, Maurice and Chassaing.

Lewis, Lester L., Cabot, Pa. Hard rubber ball thread gripping lock nut. 2,481,762, Sept. 13.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Colbert, William H., Weinrich, and Morgan.
Stevens, Joseph.

Lilly, Vernon S., assignee: *See*—
Sabee, Reinhardt N., and White.

Lindh, Gunnar C. T., assignor to The Udylite Corporation, Detroit, Mich. Forming thermoplastic inner soles. 2,481,602, Sept. 13.

Lindner, Edmund F., New York, N. Y. Microfilm projection viewer having manual lens adjusting and film moving means. 2,481,850, Sept. 13.

Line Material Company, assignee: *See*—
Link, Edwin A.

Lineweaver, Hans, Berkeley, A. A. Klose, and G. Alderton, Albany, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Technique for isolating subtilin. 2,481,763, Sept. 13.

Link, Edwin A., assignor to Line Material Company, Milwaukee, Wis. Switch construction. 2,482,009, Sept. 13.

Lissak, Nathan J., Brockton, Mass. Platform shoe and making the same. 2,482,010, Sept. 13.

Livermon, Carl R., Roxobel, N. C. Throwing tool. 2,481,522, Sept. 13.

Livingston, Alistair: *See*—
Heslop, Robert N., Irving, and Livingston.

Lo Cascio, Jack, Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brasslère. 2,481,603, Sept. 13.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Selector switch for automatic telephones. 2,481,851, Sept. 13.

Lord, Maxwell A., Denver, Colo. Device for holding and setting jointer knives. 2,481,936, Sept. 13.

Lorenzen, Roger E., Niles, Mich. Demountable work tray. 2,481,604, Sept. 13.

Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Superregenerative receiver. 2,481,852, Sept. 13.

Love, Robert M.: *See*—
Browder, John G., Love, Schutze and Tannich.

Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Hardened polyvinyl alcohol silver halide photographic coatings. 2,481,676, Sept. 13.

Lowry, Charles E.: *See*—
Stanton, George W., and Lowry.

Lundberg, Hans T. F., assignee: *See*—
Bjarnason, Bjarni S.

Luton, Bradley O., Tacoma, Wash. Hand tool for loosening and forcing tire beads into rim centers. 2,481,764, Sept. 13.

Lynn, Lawrence B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing apparatus. 2,481,853, Sept. 13.

MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Production of cellulose ethers. 2,482,011, Sept. 13.

Mack, Charles, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Building materials of high elasticity. 2,481,523, Sept. 13.

MacLeod, David E., Evansville, Ind., assignor by mesne assignments, to Seeger Refrigerator Company. Refrigerator system. 2,481,605, Sept. 13.

MacMahon, James D., Niagara Falls, N. Y., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Composition to blacken surfaces of copper and of alloys containing copper. 2,481,854, Sept. 13.

MacPhillamy, Harold B., and C. R. Scholz, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Quaternary ammonium steroids and process. 2,481,524, Sept. 13.

Maes, Robert E., Marshall, Mich. Top for milking machine containers. 2,481,606, Sept. 13.

Mages, Morris L., assignor to Magnaflux Corporation, Chicago, Ill. Magnetic testing system. 2,481,937, Sept. 13.

Magnaflux Corporation, assignee: *See*—
Mages, Morris L.

Mahoney, John F.: *See*—
Black, Auguste M., and Mahoney.

Maingon, Maurice, and P. Chassaing, Melle, assignors to les Usines de Melle (Societe Anonyme), Saint-Leger-les-Melle, France. Preparing γ-aldols and γ-ketols. 2,481,765, Sept. 13.

Manov, Mateo M.: *See*—
Ferro, Thomas, and Manov.

Marble, Jarvis C., assignee, trustee: *See*—
Nilsson, Hans R.

Marks, Theodore K., Philadelphia, Pa. Supporting detachable legs. 2,482,012, Sept. 13.

Marshall, Charles O., Jr., assignor to Toledo Scale Company, Toledo, Ohio. Slicing machine. 2,482,013, Sept. 13.

Marvel Equipment Corporation, assignee: *See*—
Roethel, John H.

Mason Box Company, The, assignee: *See*—
Rhodes, Russell I.

Massey, B. & S., Limited, assignee: *See*—
Foster, John.

Mastabar Belt Fastener Company, Limited, assignee: *See*—
Tebb, Bernard.

Maurits, Forrest E., West Point, Nebr. Windrow trailer. 2,482,014, Sept. 13.

McAdam, Ralph E., and K. E. Bauer, assignors to Eastman Kodak Company, Rochester, N. Y. Camera finder and focus interlocking mechanism. 2,481,677, Sept. 13.

McConnell, Howard W., Jackson, Mich. Golf club accessory for swing practice. 2,482,015, Sept. 13.

McCoy, Charles W., Dayton, Ohio. Ignition tester. 2,482,016, Sept. 13.

McCoy, Charles W., Dayton, Ohio. Ignition tester. 2,482,017, Sept. 13.

McDonald, R. L., Company, assignee: *See*—
McDonald, Robert L. F.

McDonald, Robert L. F., assignor to R. L. McDonald Company, Rochester, N. Y. Golf bag cart. 2,482,018, Sept. 13.

McFarlane, Maynard D.: *See*—
Meagher, Ralph E., and McFarlane.

McGahey, Robert E., Alexandria, Va. Coupler lock. 2,482,019, Sept. 13.

McGoffin, William W., New York, N. Y. Automatic keyer for code transmitters. 2,481,607, Sept. 13.

McKellip, Spencer W., Wynnewood, Pa. Electrical musical instrument. 2,481,608, Sept. 13.

McKenzie, Dennis I., assignor to The Moraine Box Company, Dayton, Ohio. Shipping container. 2,481,855, Sept. 13.

McLean, Robert E., Fort Benning, Ga. Rotary drive wheel type can opener. 2,481,609, Sept. 13.

McLean, William B.: *See*—
Schwartz, Daniel M., and McLean.

McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.

Meagher, Ralph E., Watertown, Mass., and M. D. McFarlane, Los Angeles, Calif., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Self-synchronous motor system. 2,482,020, Sept. 13.

Medhaug, Bjarne, New York, N. Y. Lubricator. 2,481,856, Sept. 13.

Meighan, William A., Portland, Oreg. Terminal fitting. 2,481,610, Sept. 13.

Melech, Charles J.: *See*—
Altman, Fred E., and Welech.

Menheneott, Frank M., and W. J. Hagger, assignors to Betts and Company Limited, London, England. Collapsible tube with a noncontaminating insert for the neck thereof. 2,481,857, Sept. 13.

Menshik, Nicholas: *See*—
Holt, Philetus H., II, and Menshik.

Merck & Co., Inc., assignee: *See*—
Black, Auguste M., and Mahoney.
Coover, Harry W., and Bowman.
Johnson, Oscar H.

Meroni, Charles F., assignee: *See*—
Sabee, Reinhardt N., and White.

Merrill, Leslie M., assignee, trustee: *See*—
Nilsson, Hans R.

Merrill, Marcellus S., and R. W. Becker, Denver, Colo. Apparatus for straightening axles and the like. 2,481,766, Sept. 13.

Mesh, William E., Teaneck, assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detector mechanism. 2,481,858, Sept. 13.

Metal Specialties Manufacturing Co., assignee: *See*—
Semler, Loren H.

Metals & Controls Corporation, assignee: *See*—
Moorhead, John O.

Meyer, Eva, Cedar City, Mo. Ribbon changing implement. 2,481,767, Sept. 13.

Mickelson, Alfred O., Elmhurst, assignor to Pipe Line Service Corporation, Franklin Park, Ill. Pipe coating machine. 2,482,021, Sept. 13.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photoelectric exposure meter having connected movable galvanometer and calculator scales. 2,481,678, Sept. 13.

Miller, Alfred L., Liberty, Mo., assignor to Desert Gold Feed Company. Grain conveyer system. 2,481,860, Sept. 13.

Miller, Arthur E., and E. A. C. Eickstaedt, assignors to Chain Belt Company, Milwaukee, Wis. Road building machine. 2,481,679, Sept. 13.

Miller, Earle C., assignor to Riley Stoker Corporation, Worcester, Mass. Rocking bar grate and supporting means therefor. 2,481,938, Sept. 13.

Miller, Pharis, Mountainside, N. J., assignor to Standard Oil Development Company. Diesel fuel. 2,481,859, Sept. 13.

Miller, Raphael W., Jackson, Mich. Combination center and center drill. 2,481,939, Sept. 13.

Millers Falls Company, assignee: *See*—
Collura, Francesco.

Mills, Byron E., Detroit, Mich. Solenoid operated dice agitating game device. 2,481,680, Sept. 13.

Mills, Gordon F., assignor to Chemical Process Company, San Francisco, Calif. Treatment of sugar-bearing solutions. 2,481,768, Sept. 13.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Burdick, Edwin C.
Cherry, Lloyd B.
Osborn, Arthur S.
Stanton, Leonard

Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Ester-lactones of isopropenyl acetate heteropolymers. 2,481,769, Sept. 13.

Moloney, Raymond T., assignee: *See*—
Nicholson, Ralph A.

Montané, Joaquim, Petropolis, Brazil. Spinning spindle. 2,481,681, Sept. 13.

Montclair Research Corporation, assignee: *See*—
Van Deiden, William H., and Rust.

Moore, George A., New York, N. Y., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Apparatus for packing coffee. 2,481,611, Sept. 13.

Moorhead, John O., assignor to Metals & Controls Corporation, Attleboro, Mass. Valve. 2,481,940, Sept. 13.

Moraine Box Company, The, assignee: *See*—
McKenzie, Dennis I.

Morgan, Willard L.: *See*—
Colbert, William H., Weinrich, and Morgan.

Morton, Richard N., Yakima, Wash. Rotatable display sign with shutter. 2,481,941, Sept. 13.

Most, Lucifer J., Morris County, N. J. Mechanical pencil. 2,481,942, Sept. 13.

Mott, Rogers J., Evanston, assignor to Commercial Plastics Company, Chicago, Ill. Ice cube tray. 2,481,525, Sept. 13.

Mueller, Moritz L., Columbus, Ohio. Heating apparatus. 2,481,861, Sept. 13.

Müller, Ferdinand C. H., and T. J. Pilliod, assignors to The Pilliod Cabinet Company, Swanton, Ohio. Box hinge attaching means and method. 2,481,862, Sept. 13.

Muller, Johan A.: *See*—
Waldie, George A., and Muller.

Murphy, Frank L., and C. H. Apel, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Seat and leg rest arrangement. 2,481,943, Sept. 13.

Muskegon Metal Products Corporation, assignee: *See*—
Wadkins, Bert M.

NEA Service, Inc., assignee: *See*—
Thompson, Louis A.

Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Antihalation photographic film. 2,481,770, Sept. 13.

Nagy, Daniel E.: *See*—
Kaiser, Donald W., and Nagy.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Forming acylcarbamyl-guanidines. 2,481,526, Sept. 13.

National Aluminate Corporation, assignee: *See*—
Bird, Paul G., and Jacoby.

National Cylinder Gas Company, assignee: *See*—
Ward, Bert G., Jr.

National Engineering Company, assignee: *See*—
Fuller, George W.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Meagher, Ralph E., and McFarlane.
Schuyler, Garret L.

Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,771, Sept. 13.

Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,772, Sept. 13.

Nelson, Robert V., Mount Clemens, Mich. Nursing bottle holder. 2,481,773, Sept. 13.

New Hermes Engraving Machine Corp, assignee: *See*— Gruettner, Gerhard G.

Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Liquid level switch. 2,481,612, Sept. 13.

Nilsson, Hans R., Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary multiple helical rotor machine. 2,481,527, Sept. 13.

Noether, Herman D.: *See*— Irany, Ernest P., and Noether.

Nolt, Edwin B., Ephrata, Pa., assignor, by mesne assignments, to The Sperry Corporation, New York, N. Y. Conveyer for hay gathering and feeding mechanism for hay balers. 2,481,528, Sept. 13.

Norelius, Emil F., Springfield, Ill. Torque converter drive. 2,481,529, Sept. 13.

Norlin, Clarence F., Chicago, Ill. Pocket fastener for pens and the like. 2,481,774, Sept. 13.

Norton Company, assignee: *See*— Sadler, John W.

Noyes, Harry A., Watertown, Mass. Quick-freezing of foodstuffs without precooling. 2,481,484, Sept. 13.

Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Air-cooled block. 2,481,944, Sept. 13.

Oakland Scavenger Co., assignee: *See*— Ferro, Thomas, and Manov.

Oden, Lewis M., Sr., Ocean View, Va. Device for and method of setting spark plug electrodes. 2,481,530, Sept. 13.

Offenhauser, Christopher, Philadelphia, Pa. Cutting machine. 2,481,775, Sept. 13.

Olin Industries, Inc., assignee: *See*— Seavey, Frederick R.

Oliver Iron and Steel Corporation, assignee: *See*— Overly, Charles D.

Olson, Walter R., Racine, Wis. Fish box for anglers. 2,482,022, Sept. 13.

Opitz, Eric J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Pressure welding machine. 2,482,023, Sept. 13.

Ortman, Edward C., and W. Young, New York, N. Y. Cooling system for marine motors. 2,482,024, Sept. 13.

Osborn, Arthur S., Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat control device. 2,481,776, Sept. 13.

Overly, Charles D., assignor to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Fastener. 2,481,777, Sept. 13.

Owens-Corning Fiberglas Corporation, assignee: *See*— Simison, Allen L.
Stalego, Charles J.

Owens, Elliott R., Whittier, Calif., assignor to Owens Illinois Glass Company. Photoelectric apparatus for detecting surface defects in glassware. 2,481,863, Sept. 13.

Owens Illinois Glass Company, assignee: *See*— Owens, Elliott R.

Ozark-Mahoning Company, assignee: *See*— Anderson, Carl O.

Page, Grover C., assignee: *See*— Adams, William C.

Panyard, Alfred A., assignor to Springfield Detail & Machine Parts, Detroit, Mich. Toolholding chuck. 2,481,945, Sept. 13.

Parker, Jas. A., assignee: *See*— Adams, William C.

Parker Pen Company, The, assignee: *See*— Randolph, Robert W.

Payne, Viron E., Mather Field, Calif. Adjustable resistor. 2,481,682, Sept. 13.

Pearson, Elmer C., St. Louis Park, Minn. Grip attachment for golf putters. 2,481,778, Sept. 13.

Peck, Henry, Rockwall, Tex. Air pressure indicator. 2,481,864, Sept. 13.

Peerless Trailer and Truck Service, Inc., assignee: *See*— Van Raden, Harvey B.

Pelton Water Wheel Company, The, assignee: *See*— Rued, Fred H.

Pendleton, Eleanor E., St. Louis, Mo. Retainer for spectacles. 2,481,946, Sept. 13.

Penfold, Robert J., Pasadena, Calif. Wrist watch band. 2,481,865, Sept. 13.

People in the territory of the United States, dedicated to the free use of the: *See*— Sherman, William M.

Persson, Henry, Bloomfield, N. J. Nut breaking tool. 2,482,025, Sept. 13.

Petersen, Heinrich A. W., Fort Meyers, Fla., assignor to Petersen and Kelley Corporation, Berkeley, Calif. Hydraulic pump. 2,481,613, Sept. 13.

Petersen and Kelley Corporation, assignee: *See*— Petersen, Heinrich A. W.

Petersen Oven Company, The, assignee: *See*— Stroman, Jack L.

Petersen, William, De Witt, Nebr. Sliding-jaw, lever, and rack actuated wrench. 2,481,866, Sept. 13.

Peterson, Albert C., Park Ridge, assignor to Union Special Machine Company, Chicago, Ill. Motor and clutch unit. 2,481,867, Sept. 13.

Peterson, Bernhart M., Minneapolis, Minn. Rotatable game board. 2,481,779, Sept. 13.

Pevitt, Charles A., assignee: *See*— Devlyn, Arthur H.

Philadelphia and Reading Coal and Iron Company, The, assignee: *See*— Breckor, George A.

Philbin, Philip H., Jr., assignee: *See*— Stephens, Henry C.

Philco Corporation, assignee: *See*— Bradley, William E.
Rheams, Charles J. B.

Philip, George, Detroit, Mich. Vehicle body top. 2,481,868, Sept. 13.

Philkoff, Eftim P., Tulsa, Okla. Corn-clipping apparatus. 2,481,947, Sept. 13.

Phillips, Paul D., Hendersonville, N. C., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Fitting for lighting fixtures. 2,481,531, Sept. 13.

Phillips Petroleum Company, assignee: *See*— Carnell, Paul H.
Hutchinson, William M.
Wagner, Cary R., and Ryan.

Pifer, Marion J., Williamsville, assignor to Colonial Radio Corporation, Buffalo, N. Y. Self-locking push-button tuning mechanism. 2,482,026, Sept. 13.

Pilato, Salvatore, Brooklyn, N. Y. Iron holder. 2,481,869, Sept. 13.

Pilliod Cabinet Company, The, assignee: *See*— Müller, Ferdinand C. H., and Pilliod.

Pinto, Anthony J.: *See*— Gates, Norbert S., and Pinto.

Pipe Line Service Corporation, assignee: *See*— Mickelson, Alfred O.

Pöckel, Irving, Wellesley, Mass. Making mustard gas resistant fabric. 2,481,532, Sept. 13.

Poláček, Jiří, Rokycany, Czechoslovakia. Tricycle. 2,481,683, Sept. 13.

Polaroid Corporation, assignee: *See*— Barnes, Arthur.

Poole, Charles S., Los Angeles, Calif. Vehicle scale. 2,482,027, Sept. 13.

Potter, James L., Highland Park, assignor to L. S. Brach Mfg. Corp., Newark, N. J. Wide band amplifier. 2,481,870, Sept. 13.

Potts, Roy C., Takoma Park, Md. Handhold and card pocket. 2,481,871, Sept. 13.

Power Jets (Research and Development) Limited, assignee: *See*— Walker, Daniel N., and Johnson.

Pratt, John H., Montreal, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Audio amplifier circuits for radio transmitters. 2,481,533, Sept. 13.

Preston, Neil D., and F. B. Hitchcock, assignors to General Railway Signal Company, Rochester, N. Y. Multiple position electrically operated display indicator. 2,481,780, Sept. 13.

Prieto, Fernando G., Los Angeles, Calif. Combustion engine. 2,481,872, Sept. 13.

Pruitt, George, Arvada, Colo. Tongue-supporting dolly. 2,481,948, Sept. 13.

Pryor, Thomas F., III: *See*— Jenny, Cletus J., and Pryor, III.

Pullman-Standard Car Manufacturing Company, assignee: *See*— Murphy, Frank L., and Apel.

Pyrene Company Limited, The, assignee: *See*— Ratzer, Arthur F.

Radio Corporation of America, assignee: *See*— Goldsmith, Alfred N.
Hansell, Clarence W.
Hegbar, Howard R.
Pratt, John H.
Sinnett, Chester M.

Radio Patents Corporation, assignee: *See*— Guanella, Gustav.

Radio Receptor Company, Inc., assignee: *See*— Goodman, Mac.

Ramsay, Duncan: *See*— Thorns, Denis H., and Ramsay.

Randall, Ralph R., Freeport, assignor, by mesne assignments, to Dualoc Engineering Co., Rockford, Ill. Non-torque-equalizing differential transmission. 2,481,873, Sept. 13.

Randolph, Robert W., Milton, assignor to The Parker Pen Company, Janesville, Wis. Ball-point writing instrument. 2,481,874, Sept. 13.

Rathbone, Russell J.: *See*— Knott, Edward B., Hamer, and Rathbone.

Ratzer, Arthur F., assignor to The Pyrene Company Limited, Brentford, England. Producing a stable foam generating composition. 2,481,875, Sept. 13.

Rawlinson, Charles D., Sr., Dallas, Tex. Combination auger and reamer. 2,481,781, Sept. 13.

Rayonier Incorporated, assignee: *See*— Schlosser, Paul H., and Gray.

Redmond, Thomas, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Resistance welding aluminum to steel, and product thereof. 2,481,614, Sept. 13.

Reichel, Wladimir A., Hackensack, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator. 2,481,782, Sept. 13.

Reinking, Walter, Roselle, Ill. Truck unloading mechanism. 2,482,028, Sept. 13.

Republic Aviation Corporation, assignee: *See*— Hoenes, Samuel E. W.
King, Carl C.

Reynolds Metals Company, assignee: *See*— Burnett, John W.

Reynolds, Noel S., St. Louis, Mo. Seal. 2,482,029, Sept. 13.

Rheams, Charles J. B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Image projection optical system with cylindrical screen means. 2,481,615, Sept. 13.

Rhines, Chester E., Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y. Production of synthetic rubber latices having large average particle size. 2,481,876, Sept. 13.

Rhodes, Russell I., North Attleboro, assignor to The Mason Box Company, Attleboro Falls, Mass. Hinge. 2,481,877, Sept. 13.

Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerator. 2,481,616, Sept. 13.

Richardson, Charles D., Anderson, Ind. Method and apparatus for the production of felted rock wool. 2,481,949, Sept. 13.

Rile-Coe Filter Process, Inc., assignee: *See*— Coe, Mayne R.

Riley Stoker Corporation, assignee: *See*— Miller, Earle C.

Ringer, Robert L., Jr., Jersey City, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Reactance measuring device. 2,481,617, Sept. 13.

Robb, Theodore D.: *See*— Kille, Lindley A., and Robb.

Roberts, Earl J.: *See*— Ambler, Joseph A., and Roberts.

Roberts, John A., Rock Island, Ill. Reinforcement applicator. 2,482,030, Sept. 13.

Robertson, David, assignee: *See*— Robertson, Stewart.

Robertson, Stewart, Oakland, Calif., assignor of thirty-three and one-third per cent to D. Robertson, Oakland, Ill. Tire pressure indicator. 2,481,534, Sept. 13.

Robinson, Albert P., Seattle, Wash. Ash trap. 2,481,878, Sept. 13.

Robinson, Ronald R., Morton, and J. D. Johnson, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Starting mechanism for internal-combustion engines. 2,481,783, Sept. 13.

Rock, Joseph, Jr., North Syracuse, assignor to Crouse-Hinds Company, Syracuse, N. Y. Work holder. 2,481,684, Sept. 13.

Rockhill, Fred E., Aberdeen, Wash. Attachable creel kit. 2,481,818, Sept. 13.

Roessel, Hilmar, assignor to Fletcher Works, Inc., Philadelphia, Pa. Bobbin building motion. 2,481,619, Sept. 13.

Roethel Engineering Corporation, assignee: *See*— Roethel, John H.

Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Window guide mechanism for vehicle bodies. 2,481,535, Sept. 13.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Window guide mechanism for vehicle bodies. 2,481,536, Sept. 13.

Rogers Brothers Corporation, assignee: *See*— Bevan, William J.

Rogers, Clarence T., Akron, Ohio. Automobile or like towing device. 2,481,685, Sept. 13.

Roggenstein, Edwin O., Ilion, assignor, by mesne assignments, to R. Groben, Utica, N. Y., as trustee of Flec-Trick-Toy, Inc., Bankrupt. Motor-driven toy vehicle. 2,481,686, Sept. 13.

Roman, Randall, assignor to Caterpillar Tractor Co., Peoria, Ill. Master pin for endless track mechanism. 2,481,784, Sept. 13.

Ronsone, Silvio E., Placerville, Calif., and N. Applezweig, New York, N. Y. Rectification of crude alkaloids. 2,481,537, Sept. 13.

Rose, Joseph K., Chicago, Ill. Image display apparatus and cabinet having adjustable light shields. 2,482,031, Sept. 13.

Rosenberg, Frederick, London, assignor to Suffolk Iron Foundry (1920) Ltd., Stowmarket, England. Blowpipe. 2,481,950, Sept. 13.

Rosenberry, William W.: *See*— Bonthron, Robert J., and Rosenberry.

Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Device for dispensing liquid fuel into combustion air of furnaces. 2,481,620, Sept. 13.

Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Light modulation by cathode-ray orientation of liquid-suspended particles. 2,481,621, Sept. 13.

Rosenthal, Adolph H., assignor, by mesne assignments, to Skiatron Corporation, New York, N. Y. Cathode-ray tube with photo-dichroic ionic crystal light modulating screen. 2,481,622, Sept. 13.

Ross, Jack S., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Composition of matter and making same. 2,481,879, Sept. 13.

Rowedder, William, New York, N. Y. Twisting means. 2,481,538, Sept. 13.

Ruben, Samuel, New Rochelle, N. Y. Making depolarizer units for alkaline primary cells. 2,481,539, Sept. 13.

Rued, Fred H., Lafayette, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Pumping jack. 2,481,623, Sept. 13.

Ruskin, Frances R., assignee: *See*— Ruskin, Simon L.

Ruskin, Simon L., New York, N. Y., assignor to F. R. Ruskin. Preparation of adenylic and thioadenylic acid. 2,482,069, Sept. 13.

Russell, John, and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing a primary aromatic amine derivative of gelatin by reaction of gelatin with isatoic anhydride and product thereof. 2,481,540, Sept. 13.

Ryan, Martin A.: *See*— Wagner, Cary R., and Ryan.

Sabee, Reinhardt N., Detroit, and C. S. White, Dearborn, assignors of one-fifth to said Sabee, one-fifth to F. A. Grady, Detroit, Mich., three-tenths to C. F. Meroni, Evanston, Ill., one-fifth to V. S. Lilly, Detroit, Mich., and one-tenth to F. A. Grady. Method of making tubular plastic article. 2,481,951, Sept. 13.

Sabins, Rolland C., Seattle, Wash. Boat structure. 2,481,785, Sept. 13.

Sadler, John W., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Treating oxide pigs. 2,481,880, Sept. 13.

Safeway Heat Elements, Inc., assignee: *See*— Yeleski, Lesh.

Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot melt coating composition. 2,481,687, Sept. 13.

Sandy Hill Iron & Brass Works, The, assignee: *See*— Hayes, Millard F.

Sarchet, Thomas H., Spokane, Wash. Combination bathroom fixture. 2,481,624, Sept. 13.

Sarchet, Thomas H., Spokane, Wash. Air-conditioning unit. 2,481,625, Sept. 13.

Schade, Willy, and W. Van Graafeiland, assignors to Eastman Kodak Company, Rochester, N. Y. Large aperture objective having four air spaced components. 2,481,688, Sept. 13.

Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing method and apparatus. 2,481,689, Sept. 13.

Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing method. 2,481,690, Sept. 13.

Schaub, Gordon C., Westfield, N. J., assignor to The Best Foods, Inc., New York, N. Y. Molding and printing apparatus. 2,481,691, Sept. 13.

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Cotton treated with a cation active amine. 2,481,692, Sept. 13.

Schlosser, Paul H., and K. R. Gray, assignors to Rayonier Incorporated, Shelton, Wash. Raw cotton for conversion into rayon. 2,481,693, Sept. 13.

Schneider, Adolf G., Muncie, Ind., assignor to Schneider Brothers Company. Bladed wheel. 2,481,541, Sept. 13.

Schneider, Ben R., Nicoma Park, Okla. Light attachment for fishing poles. 2,481,881, Sept. 13.

Schneider Brothers Company, assignee: *See*— Schneider, Adolf G.

Schoenholz, Daniel, Bronx, and L. Kressler, Brooklyn, N. Y., assignors to Foster D. Snell, Inc. Resin-wax composition. 2,482,070, Sept. 13.

Scholz, Caesar R.: *See*— MacPhillamy, Harold B., and Scholz.

Schryber, Emil A., Lynbrook, assignor to Extended Surface Division of D. E. Kennedy, Inc., Brooklyn, N. Y. Electric resistance welding of hard to weld metals, particularly for finned tubing. 2,481,626, Sept. 13.

Schubert, Alvin E., and H. P. Hintz, assignors to Eastman Kodak Company, Rochester, N. Y. Illumination control of photographic copying apparatus. 2,481,694, Sept. 13.

Schutze, Henry G.: *See*— Browder, John G., Love, Schutze, and Tannich.

Schuyler, Garret L., U. S. Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Displacement launcher for projectiles. 2,481,542, Sept. 13.

Schwartz, Daniel M., Pittsburgh, and W. B. McLean, Coraopolis Heights, Pa. Welding electrode holder. 2,481,952, Sept. 13.

Schwarz, Benno, Norwich, England. Control system for alternating current commutator motors. 2,481,786, Sept. 13.

Schwarz, George, assignor to The Gevaert Company of America, Inc., Williamstown, Mass. Cyanine dyestuffs and making same. 2,481,953, Sept. 13.

Schweitzer, Edmund O., Jr., Northbrook, Ill. Electric motor construction. 2,482,032, Sept. 13.

Scott, John H., Gary, Ind. Center plate. 2,481,695, Sept. 13.

Seavey, Frederick R., Alton, assignor to Olin Industries, Inc., East Alton, Ill. Electric firing device. 2,481,696, Sept. 13.

Sebald, Joseph F., Bloomfield, N. J., and W. H. De Hay, Woodside, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Sight glass fluid flow indicator. 2,481,882, Sept. 13.

Seeger Refrigerator Company, assignee: *See*—
MacLeod, David E.
Richard, William E.

Segal, Samuel, New York, N. Y. Key retainer. 2,481,787, Sept. 13.

Semler, Loren H., assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Punch apparatus. 2,481,883, Sept. 13.

Sevigny, Henry J., Methuen, Mass. Electromagnetically actuated vibrator. 2,482,033, Sept. 13.

Sharf, John M.: *See*—
Gschwend, Paul, and Sharf.

Sharpe, Catharine D., executrix: *See*—
Sharpe, John S.

Sharpe, George H., Newton Centre, Mass. Broom rake. 2,481,697, Sept. 13.

Sharpe, John S., deceased, Haverford; C. D. Sharpe, executrix, assignor to The Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, Philadelphia, Pa. Transmission unit. 2,481,627, Sept. 13.

Sharples Chemicals Inc., assignee: *See*—
Fenn, John B., and Eaton.
Kieber, Eugene V.

Shell Development Company, assignee: *See*—
Adelson, David E.

Shellmar Products Corporation, assignee: *See*—
Moore, George A.

Sherman, H. B., Manufacturing Co., assignee: *See*—
Doerr, Keith.

Sherman, William M., Ketchikan, Alaska, dedicated to the free use of the people in the territory of the United States. Hose coupling expander. 2,481,628, Sept. 13.

Sherwood, Lester L., Los Angeles, Calif. Keeper for straps and cords. 2,481,788, Sept. 13.

Short, Herbert M.: *See*—
Heilman, William B., and Short.

Short, Melville K., New York, N. Y. Combination arm band and rifle sling. 2,481,884, Sept. 13.

Simison, Allen L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Producing fibers. 2,482,071, Sept. 13.

Simmons Company, assignee: *See*—
Woller, Edward E.

Simons, Harry M., assignor to G. B. Ellis, Laughorne, Pa. Indicator circuit for a balancing network. 2,481,954, Sept. 13.

Simons, Karl L., assignor of one-half to G. H. Forrest, Somerville, N. J. Hand loom. 2,481,955, Sept. 13.

Simpson, Eugene H., Whitefish Bay, Wis. Scaffold. 2,481,885, Sept. 13.

Singer Manufacturing Company, The, assignee: *See*—
Van Ness, William C.
Zeir, Frederick F.

Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Frequency modulation reproducing system. 2,481,886, Sept. 13.

Skiatron Corporation, assignee: *See*—
Rosenthal, Adolph H.

Slaughter, Elmer C., assignor to Lear, Inc., Grand Rapids, Mich. Electric motor protective circuit control. 2,481,956, Sept. 13.

Smith, Clarence J., Lewistown, Ill. Artificial fishing lure. 2,481,789, Sept. 13.

Smits, Wijtse B., Voorburg, assignor to Smitsvonk N. V., The Hague, Netherlands. Spark gap and lamp. 2,481,887, Sept. 13.

Smitsvonk N. V., assignee: *See*—
Smits, Wijtse B.

Snell, Foster D., Inc., assignee: *See*—
Schoenholz, Daniel, and Kresser.

Snow, Alvah L.: *See*—
Elwell, William E., and Snow.

Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont, assignee: *See*—
Heidmann, Leon.

Societe Generale des Huiles de Petrole, assignee: *See*—
Champagnat, Alfred.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company Akron, Ohio. Safety mechanism for vulcanizers. 2,482,072, Sept. 13.

Sperry Corporation, assignee: *See*—
Godley, Fred O.

Sperry Corporation, The, assignee: *See*—
Isbister, Eric J.
Nolt, Edwin D.
White, Walter T.

Sperry Products, Inc., assignee: *See*—
Mesh, William E.

Spiro, Philip, West New Brighton, N. Y. Display and dispensing refrigerator. 2,481,790, Sept. 13.

Spokus, Albin J., Seattle, Wash. Hair clasp. 2,481,791, Sept. 13.

Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Thioketones and preparing the same. 2,481,698, Sept. 13.

Springfield Detail & Machine Parts, assignee: *See*—
Panyard, Alfred A.

Stalego, Charles J., Newark, N. J., assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing glass fibers. 2,481,543, Sept. 13.

Standard Oil Development Company, assignee: *See*—
Browder, John G., Loye, Schutze, and Tannich.
Connolly, Gerald C.
Hemminger, Charles E.
Holt, Phletus H., II, and Menshih.
Mack, Charles.
Miller, Pharis.

Standard-Thomson Corporation, assignee: *See*—
Early, Paul E.

Stanton, George W., and C. E. Lowry, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride-butadiene-acrylonitrile interpolymers. 2,482,073, Sept. 13.

Stanton, Leonard, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Method and apparatus for measuring and controlling. 2,481,485, Sept. 13.

Statham Laboratories, Inc., assignee: *See*—
Statham, Louis D.

Statham, Louis D., Beverly Hills, assignor to Statham Laboratories, Inc., Los Angeles, Calif. Electric angular accelerometer. 2,481,792, Sept. 13.

Stauffer, Robert E.: *See*—
Russell, John, and Stauffer.

Steam Torch Corporation, assignee: *See*—
Leher, Louis J.

Stephens, Henry C., Downey, assignor of one-half to P. H. Philbin, Jr., Los Angeles, Calif. Water ski. 2,482,074, Sept. 13.

Stevens, Joseph, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Marking device. 2,482,034, Sept. 13.

Stewart, John H., F., Mount Clemens, Mich. Fluid sealing device. 2,481,793, Sept 13.

Stewart-Warner Corporation, assignee: *See*—
Redmond, Thomas.
Tramontini, Vernon N.

Stiegler, George, Cincinnati, Ohio. Tape feeding and marking machine. 2,482,035, Sept. 13.

Stitt, Roger H., assignor to United States Gypsum Company, Chicago, Ill. Ceiling construction. 2,481,794 Sept. 13.

Stokes, John F., Alexandria, Minn. Grain treating machine. 2,481,957, Sept. 13.

Stop-Motion Devices Corp., assignee: *See*—
Vossen, Edward.

Stratford, Charles W., and H. W., assignors to Stratford Development Corporation, Kansas City, Mo. Shrouded rotary seal. 2,481,888, Sept. 13.

Stratford Development Corporation, assignee: *See*—
Stratford, Charles W., and H. W.

Stratford, Herbert W.: *See*—
Stratford, Charles W., and H. W.

Stroman, Jack L., Elmwood Park, assignor to The Petersen Oven Company, Chicago, Ill. Metal melting furnace. 2,481,609, Sept. 13.

Stuart, Joseph, III: *See*—
Hiller, Stanley, Jr., and Stuart.

Studebaker Corporation, assignee: *See*—
Haigh, Paul V., and Horton.

Stutz, Frederick L., assignor to Kirsch Company, Sturgis, Mich. Venetian blind assembly and bottom rail therefor. 2,482,036, Sept. 13.

Suffolk Iron Foundry (1920) Ltd., assignee: *See*—
Rosenberg Frederiak.

Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. High dispersion fluosilicate glasses. 2,481,701, Sept. 13.

Sun, Kuan-Han, and M. L. Huggins, assignors to Eastman Kodak Company, Rochester, N. Y. Fluophosphate glass. 2,481,700, Sept. 13.

Svenska Cellulosa Aktiebolaget, assignee: *See*—
Wahlin, Bengt G.

Swaim, Pat M., Fort Smith, Ark. Artificial fishing lure retriever. 2,482,037, Sept. 13.

Tannich, Richard E.: *See*—
Browder, John C., Love, Schutze, and Tannich.

Taylor, James, Saltcoats, and O. A. Gurton, Kilwinning, Scotland, assignors to Imperial Chemical Industries Limited. Explosive suitable for safety blasting explosives. 2,481,795, Sept. 13.

Tebb, Bernard, Hull, assignor to Mastabar Belt Fastener Company, Limited, Cleckheaton, England. Holder for belt fasteners. 2,481,889, Sept. 13.

Temple, Sterling, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl chloride-containing polymers having a high stability against thermal decomposition. 2,482,038, Sept. 13.

Teston, Rebecca O., Glenbrook, assignor to Eastern Rubber Specialties, South Norwalk, Conn. Manufacture of rubber articles. 2,482,075, Sept. 13.

Thieme, George B., Jamaica, N. Y., assignor to Bendix Aviation Corporation, Norwood, Mass. Interlock mechanism. 2,481,629, Sept. 13.

Thomas & Betts Co., The, assignee: *See*—
Clapp, Jerome B.

Thomas, Charles E., Los Angeles, Calif. Safety grip for hoists or elevators. 2,481,796, Sept. 13.

Thompson, Albert, assignee: *See*—
Ingemarson, Franc.

Thompson, Louis A., Rocky River, assignor to NEA Service, Inc., Cleveland, Ohio. Secret communication employing signal sequence switching. 2,482,039, Sept. 13.

Thorns, Denis H., and D. Ramsay, assignors to The Bristol Aeroplane Company, Limited, Bristol, England. Supercharged internal-combustion engine. 2,482,040, Sept. 13.

Thurston, Jack T., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Isomerizing isomelamines. 2,482,076, Sept. 13.

Tiefenbacher, Thomas B., Jamaica, N. Y.; L. Grinka, executrix of said T. B. Tiefenbacher, deceased. Toolholder. 2,482,041, Sept. 13.

Todd, Harold C.: *See*—
Wheeler, John W., and Todd.

Toews, Gustav P., Aldan, Pa., assignor to G. B. Fowler, Springfield, Mass., as trustee. Internal-combustion engine and operating the same. 2,481,890, Sept. 13.

Toledo Scale Company, assignee: *See*—
Marshall, Charles O., Jr.
Williams, Lawrence S.

Towt, Charles K., assignee: *See*—
Towt, Charles W.

Towt, Charles W., assignor to C. K. Towt, Los Angeles, Calif. Air circulating device. 2,481,702, Sept. 13.

Traficante, Rocco A.: *See*—
Hollingsworth, George H., Buton, and Traficante.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control. 2,481,630, Sept. 13.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater burner and ignition means therefor. 2,481,631, Sept. 13.

Trimble Nurseryland Furniture, Inc., assignee: *See*—
De Puy, Charles T., and Baxter.

Trusty, Von Aldo, Dayton, Ohio. Shoe spike. 2,481,703, Sept. 13.

Turner, Harry E., Santa Monica, Calif. Folding clothes rack 2,481,797, Sept. 13.

Turner, Ralph, and L. Howell, Cornell, Ill. Rotary weed cutter. 2,481,798, Sept. 13.

Tuttle, George A., Anatone, Wash. Aircraft with beating wings and tiltable propellers. 2,481,799, Sept. 13.

Tyler, John D., assignor to The Better Mouse Trap Company, Nashville, Tenn. Trap. 2,481,800, Sept. 13.

Udylite Corporation, The, assignee: *See*—
Lindh, Gunnar C. T.

Unger, William H., New York, N. Y. Electrostatic pickup. 2,482,081, Sept. 13.

Union Carbide and Carbon Corporation, assignee: *See*—
Fowler, Robert M.
Kinzel, Augustus B., and Burgess.

Union Special Machine Company, assignee: *See*—
Peterson, Albert C.

United Aircraft Corporation, assignee: *See*—
Cooper, Kenneth C.
Hooker, Ralph J.

United-Carr Fastener Corporation, assignee: *See*—
Jones, Walter I.

United Helicopters, Inc., assignee: *See*—
Hiller, Stanley, Jr.
Hiller, Stanley, Jr., and Stuart.

United Shoe Machinery Corporation, assignee: *See*—
Jorgensen, Bernhardt.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Gamertsfelder, Carl C., Jr.

United States Gypsum Company, assignee: *See*—
Stitt, Roger H.

United States Rubber Company, assignee: *See*—
Barton, Bernard C.
Foster, Boutwell H.
Glasgow, George U.
Rhines, Chester F.
Ross, Jack S.

Valach, Charles F., Berwyn, assignor to American Phenolic Corporation, Chicago, Ill. Antenna array. 2,481,801, Sept. 13.

Van Delden, William H., Cedar Grove, and J. B. Rust, Montclair, N. J., assignors to Montclair Research Corporation. Oxycellulose products, their manufacture and utilization. 2,482,042, Sept. 13.

Van Graafelland, Wesley: *See*—
Schade, Willy, and Van Graafelland.

Van Ness, William C., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-controlling mechanism for sewing machines. 2,482,077. Sept. 13.

Van Raden, Harvey B., assignor to Peerless Trailer and Truck Service, Inc., Portland, Oreg. Dual axle wheel unit. 2,481,891, Sept. 13.

Vapor Heating Corporation: *See*—
Lehane, Timothy J.

Vard, Inc., assignee: *See*—
Hislop, John A.

Vaughn Machinery Company, The, assignee: *See*—
Nye, Norman H.

Veenemans, Cornelis F., and H. C. Hamaker, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Gettering for discharge tubes. 2,482,048. Sept. 13.

Vermeulen, Roelof: *See*—
De Boer, Kornelis, and Vermeulen.

Vernier, George, Chicago, Ill., assignor to Zenith Radio Corporation. Electromagnetic bone vibrator. 2,482,044, Sept. 13.

Videche, Carlos, San Jose, Costa Rica. Fluid heater. 2,481,958, Sept. 13.

Viking Pump Company, assignee: *See*—
Bakewell, William E.

Vivian, Harold F.: *See*—
Salo, Martin, and Vivian.

Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Retractable electric needle protector for knitting machines. 2,481,632, Sept. 13.

Wadkins, Bert M., assignor to Muskegon Metal Products Corporation, Muskegon, Mich. Curtain and shade rod holder. 2,481,802, Sept. 13.

Waggoner, Opie L., Prineville, Oreg. Combination dish and tray. 2,481,544, Sept. 13.

Wagner, Cary R., Utica, Ohio, and M. A. Ryan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using the same. 2,481,545, Sept. 13.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Screw jack. 2,482,082, Sept. 13.

Wählin, Bengt G., Kramfors, assignor to Svenska Cellulosa Aktiebolaget, Stockholm, Sweden. Producing a suspension of fibrous material. 2,481,959, Sept. 13.

Waldall & Assembly, Messrs., Limited, assignee: *See*—
Conacher, Hugh H.

Waldie, Benjamin W., assignee: *See*—
Kanaske, Arthur.

Waldie, George A., Edison, and J. A. Muller, Dayton, Ohio, assignors to H-P-M Development Corporation. Vane pump rotor. 2,482,045, Sept. 13.

Walker, Brooks, Piedmont, Calif. Projectile launcher. 2,481,546, Sept. 13.

Walker, Daniel N., Ashby Parva, near Rugby, and W. E. P. Johnson, Hampstead, assignors to Power Jets (Research and Development) Limited, London, England. Gas turbine mounting. 2,481,547, Sept. 13.

Wall, Howard and L., Brookline, Mass. Hinge for mounting sun shields on cap visors. 2,481,960, Sept. 13.

Wall, Leo: *See*—
Wall, Howard and L.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Chlorine concentration limit indicator for chlorinating systems. 2,482,078, Sept. 13.

Wallace & Tiernan Products, Inc., assignee: *See*—
Wallace, Charles F.

Waltke, Edwin H., Jr., Los Angeles, Calif. Recoiling barrel firearm with a breech bolt and breech bolt carrier. 2,481,548, Sept. 13.

Wampler, Melville E., Chicago, Ill., assignor, by mesne assignments, to Acme Staple Company, Camden, N. J. Staple driving machine. 2,481,892, Sept. 13.

War, United States of America as represented by the Secretary of, assignee: *See*—
Becker, Otto A.
Frazier, Quentin.

Ward, Bert G., Jr., assignor to National Cylinder Gas Company, Chicago, Ill. Heat and hardening burner. 2,481,961, Sept. 13.

Ward, Charles W., Bradenton, Fla. Right triangle solving device. 2,481,549, Sept. 13.

Weaver, Carl J.: *See*—
Bennett, Frank M., and Weaver.

Weaver, Dorothy E., Baltimore, Md. Applicator for ink eradicators. 2,481,803, Sept. 13.

Webster Industries, Inc., assignee: *See*—
Henne, Julius A.

Wehner, Ernest A., assignee: *See*—
Wehner, William W.

Wehner, William W., assignor of twenty-five per cent to E. A. Wehner, Arlington, N. J. Gear-operated wrench with spiral drive. 2,481,633, Sept. 13.

Weinrich, Arthur R.: *See*—
Colbert, William H., Weinrich, and Morgan.

Wellman, Homer B.: *See*—
Claussen, William H., and Wellman.

Werner, Edward A., Atlanta, Ga. Sulfuric acid chamber. 2,481,634, Sept. 13.

Werth, Lloyd L., assignor to Eastman Kodak Company, Rochester, N. Y. Tape dispenser. 2,481,704, Sept. 13.

Western Electric Company, Incorporated, assignee: *See*—
Conklin, Robert M.
Dehn, William F.
Freeman, Leonard A.
Gambrill, Richard D.

Westinghouse Electric Corporation, assignee: *See*—
Hastings, Roger W.
Lynn, Lawrence B.

Wharton, Walter L., San Angelo, Tex. Spring wheel. 2,482,046, Sept. 13.

Wheeler, John W., Grand Island, and H. C. Todd, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Aircraft undercarriage. 2,481,635, Sept. 13.

White, Charles S.: *See*—
Sabee, Reinhardt N., and White.

White, Walter T., New Hyde Park, N. Y., assignor to The Sperry Corporation. Servomotor armature current control. 2,481,550, Sept. 13.

Whitehall, Earle L., Kankakee, Ill. Game board. 2,482,043, Sept. 13.
Whitfield, Marshall G., Garden City, assignor, by mesne assignments, to Fairchild Engine and Airplane Corporation, New York, N. Y. Manufacture of laminated articles. 2,481,962, Sept. 13.
Whitney, Glenn R., Chicago, Ill. Flow regulator. 2,481,705, Sept. 13.
Whittingham, Barron S., assignor to Biotic Research Institute, Inc., New York, N. Y. Penicillin-pectin composition and manufacture. 2,481,804, Sept. 13.
Whittingham, Barron S., assignor to Biotic Research Institute, Inc., New York, N. Y. Penicillin-pectin compositions. 2,481,805, Sept. 13.
Wilcox, Edward, Timperley, Altrincham, assignor to Edward Wilcox & Co., Limited, Wythenshawe, Manchester, England. Electric fuse. 2,481,893, Sept. 13.
Wilcox, Edward, & Co., Limited, assignee: *See*—
Wilcox, Edward.
Williams, Craig G., Schenectady, N. Y. Initially placing the train and elevation axes of a gun in parallelism with the corresponding axes of the sights of its director. 2,481,551, Sept. 13.
Williams, Judson, Ben Salem, Pa. Piston and locked ring assembly and piston ring locking clip. 2,481,552, Sept. 13.
Williams, Judson, Ben Salem, Pa. Piston and locked ring assembly, and piston ring locking clip. 2,481,558, Sept. 13.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Temperature control for weighing scales. 2,482,047, Sept. 13.
Williams, Thurman V., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl chloride-containing polymers having a high stability against thermal decomposition. 2,482,048, Sept. 13.
Willis, Harry G., Wayville, South Australia, assignor to A. M. Bickford & Sons Limited, Adelaide, South Australia, Australia. Device for injecting penicillin or similar liquids. 2,481,636, Sept. 13.
Wilson, Dorothy, Grand Rapids, Mich. Weighted diaper. 2,482,049, Sept. 13.
Winpower Mfg. Company, assignee: *See*—
Johnson, Bertram E.
Winstead, Thomas W., Baltimore, Md. Thermoplastic film heat sealing element. 2,481,554, Sept. 13.
Witte, Nicholas: *See*—
Witte, Samuel A., W. W. and P. W. Wittle, and Witte.
Witte, Samuel A., W. W. and P. W. Wittle, and N. Witte, Chicago, Ill. Electrically heated fan-radiator apparatus. 2,481,963, Sept. 13.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Intermittent film-advancing mechanism. 2,481,706, Sept. 13.
Wittle, Philip W.: *See*—
Witte, Samuel A., W. W. and P. W. Wittle, and Witte.
Wittle, William W.: *See*—
Witte, Samuel A., W. W. and P. W. Wittle, and Witte.
Wodal, Francis A., Camden, N. J., and H. M. Crain, Philipsburg, Pa. Averaging device. 2,481,555, Sept. 13.
Wohl, Waldemar M., assignor to The Yoder Company, Cleveland, Ohio. Evaporator structure. 2,481,556, Sept. 13.
Wolfskill, John M., Erie, Pa. Piezoelectric crystal holder. 2,481,806, Sept. 13.
Wollan, Ernest O., Chicago, Ill. Fast neutron meter. 2,481,964, Sept. 13.
Woller, Edward E., assignor to Simmons Company, Kenosha, Wis. Adjustable crib bottom. 2,481,965, Sept. 13.
Worthington Pump and Machinery Corporation, assignee: *See*—
Sebald, Joseph F., and De Hay.
Wyatt Manufacturing Company, Incorporated, The, assignee: *See*—
Ginder, Raymond M.
Yancey, John R., assignor to A–1 Bit & Tool Company, Houston, Tex. Combined milling tool and pipe puller. 2,481,637, Sept. 13.
Yejeski, Lech, assignor to Safeway Heat Elements, Inc., Middletown, Conn. Electric air heater. 2,482,050, Sept. 13.
Yeomans Brothers Company, assignee: *See*—
Yeomans, Charles.
Yeomans, Charles, Hubbard Woods, assignor to Yeomans Brothers Company, Chicago, Ill. Sludge handling method and apparatus. 2,481,894, Sept. 13.
Yingling, Ralph S., Yorktown, Ind. Rotary checking fixture. 2,482,051, Sept. 13.
Yoder Company, The, assignee: *See*—
Hubbell, Charles C.
Wohl, Waldemar M.
Young, Leslie E., Cincinnati, Ohio. Fishing line sinker. 2,481,707, Sept. 13.
Young, William: *See*—
Ortman, Edward C., and Young.
Zachary, Alexis, New York, N. Y. Hair curler. 2,482,052, Sept. 13.
Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-spreader mechanism for chain-stitch sewing machines. 2,482,079, Sept. 13.
Zenith Radio Corporation, assignee: *See*—
Vernier, George.
Ziegler, Paul F., Winnetka, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tape. 2,481,895, Sept. 13.
Ziegler, Paul F., Winnetka, Ill., assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tapes. 2,481,896, Sept. 13.
Zivi, Harold L., Evanston, Ill. Operating handle for pedal control. 2,481,966, Sept. 13.
Zunick, Michael J., assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode construction. 2,482,053, Sept. 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Power lawn mower with air filtering screen. H. H. Packwood. Re. 23,146. Sept. 13.

LIST OF PLANT INVENTIONS

Prune tree. P. R. Parson. 872, Sept. 13.

LIST OF DESIGN INVENTIONS

Baby seat and play pen, Combined. G. Levy. 155,171, Sept. 13.
Bathing suit or similar article. A. L. Sommers and A. Young. 155,241, Sept. 13.
Body, Cable car. E. O. Roggenstein. 155,235, Sept. 13.
Boiler for steam heated flatirons, Steam generating. W. Blank. 155,119, Sept. 13.
Bottle or similar article. K. Hoffmann and S. Heidrich. 155,160, Sept. 13.
Bottle or the like. J. Dykstra. 155,134, Sept. 13.
Box. J. von Miklos. 155,246, Sept. 13.
Box, Jewelry. E. Barton. 155,117, Sept. 13.
Bracelet or similar article. M. Chernow. 155,126, Sept. 13.
Bracelet or similar article. A. Philippe. 155,203, Sept. 13.
Bracelet or similar article. A. Philippe. 155,220, Sept. 13.
Bracelet or similar article. A. Philippe. 155,224–5, Sept. 13.
Bracelet or similar article. A. Philippe. 155,230–1, Sept. 13.
Bracelet or similar article, Link. H. Bogoff. 155,120, Sept. 13.
Bracket or the like, Supporting. J. E. Donaldson. 155,131, Sept. 13.
Brooch or similar article. H. Bogoff. 155,121–2, Sept. 13.
Brooch or similar article. A. Philippe. 155,181–2, Sept. 13.
Brooch or similar article. A. Philippe. 155,185–90, Sept. 13.
Brooch or similar article. A. Philippe. 155,193–202, Sept. 13.
Brooch or similar article. A. Philippe. 155,209–14, Sept. 13.
Brooch or similar article. A. Philippe. 155,217–19, Sept. 13.
Brooch or similar article, Separable. A. Katz. 155,163–4, Sept. 13.
Cabinet, Convector. J. O. Reinecke. 155,234, Sept. 13.
Cap, Closure. C. W. Fuller. 155,144, Sept. 13.
Cap or similar article, Container. G. Pavlinetz. 155,180, Sept. 13.
Carrier, Combined bowling ball and shoe. M. L. Haney. 155,155, Sept. 13.
Case, Door lock. C. A. Hillgren. 155,158, Sept. 13.
Casing for an electric heater. C. W. Sundberg. 155,243, Sept. 13.
Casing, Toaster. W. M. and D. W. Cox. 155,128, Sept. 13.
Chain for a watch band or similar article. S. Esposito and D. Vassalluzzo. 155,136, Sept. 13.
Coat. J. Frumkes. 155,141–3, Sept. 13.
Coffee maker. E. H. Thompson. 155,244, Sept. 13.
Connection, Electrical plug. W. T. Gossard. 155,149, Sept. 13.
Container for nursing bottles, Protective. W. M. Ellsworth. 155,135, Sept. 13.
Covering or similar article, Shoe. J. J. Dorfman and F. H. Kennedy. 155,132, Sept. 13.
Curler, Eyelash. E. B. Hickey. 155,157, Sept. 13.
Desk unit, Combination. A. E. Carver. 155,124, Sept. 13.
Dispensing device, Liquid. H. F. Addleston and G. I. Smith. 155,116, Sept. 13.
Display stand. L. Mandel. 155,173, Sept. 13.
Earring or similar article. A. Philippe. 155,183–4, Sept. 13.
Earring or similar article. A. Philippe. 155,191–2, Sept. 13.
Earring or similar article. A. Philippe. 155,208, Sept. 13.
Earring or similar article. A. Philippe. 155,215–16, Sept. 13.
Earring or similar article. A. Philippe. 155,229, Sept. 13.
Fabric or similar article, Embroidered needlework. M. Fixler. 155,138–40, Sept. 13.
Fabric or similar article, Textile. H. Gorman. 155,148, Sept. 13.
Fence and gate, Combined. L. Vecchio. 155,245, Sept. 13.
Fish lure. H. W. Dow. 155,133, Sept. 13.
Gauge, Butt. W. A. Priebe. 155,233, Sept. 13.
Glove. M. Wiesenthal. 155,248, Sept. 13.
Glove, Fingerless. M. Wiesenthal. 155,247, Sept. 13.
Hamper, Clothes. I. Jacobson. 155,161, Sept. 13.
Handbag. E. B. Nathan. 155,177, Sept. 13.
Hand or similar article, Clock. J. E. V. Winterbourne. 155,249–50, Sept. 13.
Handle control, Dual. E. J. Panish. 155,179, Sept. 13.
Hat. G. H. Hodge. 155,159, Sept. 13.
Holder, Combined cigarette and lighter. E. San Giovanni and E. Sohn. 155,146, Sept. 13.
Holder, Combined place card and flower. E. L. Sanders. 155,237, Sept. 13.
Holder, Towel. S. Goldreich. 155,147, Sept. 13.
Holder, Towel. M. Marsh, S. Goldreich, and L. C. Farley. 155,175, Sept. 13.
Lamp. E. S. Boynton. 155,123, Sept. 13.
Material, Plastic film. J. Gross and P. Stern. 155,153, Sept. 13.
Meter, Gas. E. R. Gilmore. 155,145, Sept. 13.
Mounting, Gem. M. Ostier. 155,178, Sept. 13.
Necklace or similar article. A. Katz. 155,165–6, Sept. 13.
Necklace or similar article. A. Philippe. 155,204–7, Sept. 13.
Necklace or similar article. A. Philippe. 155,221–3, Sept. 13.
Necklace or similar article. A. Philippe. 155,226–8, Sept. 13.
Ornament or similar article, Mantel. A. C. Jensen. 155,162, Sept. 13.
Paper or article of similar nature, Safety. J. H. Harland. 155,156, Sept. 13.
Pen unit, Desk. J. Greenstein and H. Sack. 155,152, Sept. 13.
Pitcher, Measuring. N. Softis. 155,240, Sept. 13.
Plug, Electric outlet. L. E. Martin. 155,174, Sept. 13.
Plug, Electrical. W. T. Gossard. 155,150, Sept. 13.
Plug, Electrical wall. W. T. Gossard. 155,151, Sept. 13.
Polisher, Floor. C. B. Stevens. 155,242, Sept. 13.
Projector or similar article, Slide. G. K. Lewis. 155,172, Sept. 13.
Range, Electric. L. F. Berg. 155,118, Sept. 13.
Ring. F. C. Kerchner. 155,167, Sept. 13.
Set of letters and numerals, Block mounted. P. A. Price. 155,232, Sept. 13.
Sharpener, Pencil. L. Degefors. 155,129, Sept. 13.
Sofa. A. L. Rothstein. 155,236, Sept. 13.
Stamping machine. O. Halvorsen. 155,154, Sept. 13.
Stick, Souvenir. W. H. Desforges, Sr., and W. H. Desforges, Jr. 155,130, Sept. 13.
Support, Manicurist hand. W. C. Smith. 155,239, Sept. 13.
Support, Towel bar. M. P. Kiehl. 155,168, Sept. 13.
Table. F. C. Castelli. 155,125, Sept. 13.
Thermometer assembly, Wet and dry bulb. A. H. Lamb. 155,170, Sept. 13.
Tool, Electric soldering. W. A. Knehl. 155,169, Sept. 13.
Toy, Abacus-like. W. P. Colvin. 155,127, Sept. 13.
Toy animal figure. B. Wolf. 155,251–5, Sept. 13.
Tray, Armrest. A. L. Skells. 155,238, Sept. 13.
Tray, Hairdresser's tint. L. B. and P. Melendes. 155,176, Sept. 13.
Waffle iron. A. Feder. 155,137, Sept. 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometer, Electric angular. L. D. Statham. 2,481,792, Sept. 13.
Acetylation of compounds containing a
—CO—$(CH_2)_x$—CO—
group. D. C. Hull and A. H. Agett. 2,482,066, Sept. 13.
Aconitic acid from molasses, Separation of. J. A. Ambler and E. J. Roberts. 2,481,557, Sept. 13.
Actuated vibrator, Electromagnetically. H. J. Sevigny. 2,482,033, Sept. 13.
Acylcarbamyl-guanidines, Forming. D. E. Nagy. 2,481,526, Sept. 13.
Adenylic and thio-adenylic acid, Preparation of. S. L. Ruskin. 2,482,069, Sept. 13.
Adjustable sash spring. J. G. Hesseltine. 2,481,592, Sept. 13.
Air circulating device. C. W. Towt. 2,481,702, Sept. 13.
Air-conditioning unit. T. H. Sarchet. 2,481,625, Sept. 13.
Air-cooled block. N. H. Nye. 2,481,944, Sept. 13.
Aircraft undercarriage. J. W. Wheeler and H. C. Todd. 2,481,635, Sept. 13.
Aircraft with beating wings and tiltable propellers. G. A. Tuttle. 2,481,799, Sept. 13.
Air pressure indicator. H. Peck. 2,481,864, Sept. 13.
Aliphatic dinitriles, Manufacture of. H. Dreyfus. 2,481,580, Sept. 13.
Aliphatic nitriles, Making. J. N. Cosby. 2,481,826, Sept. 13.
Alloy. A. T. Cape. 2,481,976, Sept. 13.
Alloy addition agent. A. B. Kinzel and C. O. Burgess. 2,481,599, Sept. 13.
Aluminous dross, Treatment of. W. B. Hellman and H. M. Short. 2,481,591, Sept. 13.
Ammunition-belt feed mechanism for automatic firearms. E. C. M. D'Assis-Fonseca. 2,481,726, Sept. 13.
Amplifier circuits for radio transmitters, Audio. J. H. Pratt. 2,481,533, Sept. 13.
Amplifier, Wide band. J. L. Potter. 2,481,870, Sept. 13.
Anchor for lading retaining bands for flat top railway cars. B. R. Jones. 2,481,598, Sept. 13.
Animal trap. L. C. Johnson. 2,481,519, Sept. 13.
Anode construction. M. J. Zunick. 2,482,053, Sept. 13.
Antenna array. C. F. Valach. 2,481,801, Sept. 13.
Apparatus for combining variable quantities. W. F. Dehn. 2,481,648, Sept. 13.
Apparatus for locating faults in cables. R. D. Gambrill. 2,481,655, Sept. 13.
Apparatus for packing coffee. G. A. Moore. 2,481,611, Sept. 13.
Apparatus for processing yarn. A. L. Ewing. 2,481,916, Sept. 13.
Apparatus for spacing and fixing fins on tubes. F. M. Bennett and C. J. Weaver. 2,481,490, Sept. 13.
Apparatus for straightening axles and the like. M. S. Merrill and R. W. Becker. 2,481,766, Sept. 13.
Applicator for ink eradicators. D. E. Weaver. 2,481,803, Sept. 13.
Applicator, Reinforcement. J. A. Roberts. 2,482,030, Sept. 13.
Arm band and rifle sling, Combination. M. K. Short. 2,481,884, Sept. 13.
Aromatic concentrates, Finishing. J. G. Browder, R. M. Love, H. G. Schutze, and R. E. Tannich. 2,481,816, Sept. 13.
Aromatics with aluminum halide-aromatic complexes, Extraction of. P. H. Holt, II, and N. Menshih. 2,481,843, Sept. 13.
Ash trap. A. P. Robinson. 2,481,878, Sept. 13.
Attachment for electric hand drills. A. B. Dixon. 2,481,578, Sept. 13.
Attachment for folders, Interleaving. N. S. Gates and A. J. Pinto. 2,482,059–60, Sept. 13.
Attachment for golf putters, Grip. E. C. Pearson. 2,481,778, Sept. 13.
Attenuator assembly. E. Doucette. 2,481,649, Sept. 13.
Audiometer. L. Blok. 2,481,900, Sept. 13.
Audiometer. L. Blok. 2,481,973, Sept. 13.
Auger and reamer, Combination. C. D. Rawlinson, Sr. 2,481,781, Sept. 13.
Aureomycin and preparation of same. B. M. Duggar. 2,482,055, Sept. 13.
Averaging device. F. A. Wodal and H. M. Crain. 2,481,555, Sept. 13.
Axially engaging multiple disk clutch. J. Foster. 2,481,834, Sept. 13.
Axially engaging positive clutch. E. L. Hoe. 2,481,593, Sept. 13.
Band, Wrist watch. R. J. Penfold. 2,481,865, Sept. 13.
Bar grate and supporting means therefor, Rocking. E. C. Miller. 2,481,938, Sept. 13.
Bench and table, Combined. C. O. Larson. 2,481,935, Sept. 13.
Bladed wheel. A. G. Schneider. 2,481,541, Sept. 13.
Bleaching clay, Nonacid activation process for. E. C. Bierce. 2,481,641, Sept. 13.
Block: *See*—
Air-cooled block.
Blowpipe. F. Rosenberg. 2,481,950, Sept. 13.
Blower, Air circulating. A. R. Constantine. 2,481,980, Sept. 13.
Board: *See*—
Game board. Rotatable game board.
Boat structure. R. C. Sabins. 2,481,785, Sept. 13.
Bobbin building motion. H. Roessel. 2,481,619, Sept. 13.
Box hinge attaching means and method. F. C. H. Müller and T. J. Pilliod. 2,481,862, Sept. 13.
Brake beam casting, Truss type. W. H. Baselt. 2,481,969, Sept. 13.
Brassière. J. Lo Cascio. 2,481,603, Sept. 13.
Broom rake. G. H. Sharpe. 2,481,697, Sept. 13.
Brush and brush holder for electric drills. F. Collura. 2,481,499, Sept. 13.
Building materials of high elasticity. C. Mack. 2,481,523, Sept. 13.
Burner: *See*—
Heating and hardening burner.
Cable brace-bar ophthalmic mounting. W. Leduc. 2,481,601, Sept. 13.
Cadmium sulfoselenide pigments, Preparing. F. Kertesz. 2,482,006, Sept. 13.
Camera finder and focus adjusting mechanism, Interconnected. J. W. Gillon and G. A. Haraden. 2,481,656, Sept. 13.
Camera finder and focus interlocking mechanism. R. E. McAdam and K. E. Bauer. 2,481,677, Sept. 13.
Camera, Self-erecting front. D. C. Harvey. 2,481,661, Sept. 13.
Can: *See*—
Fuel filler can.
Can opener, Rotary drive wheel type. R. E. McLean. 2,481,609, Sept. 13.
Canopy operating mechanism. C. C. King. 2,482,004, Sept. 13.
Carbon pile regulator. W. G. Neild. 2,481,771–2, Sept. 13.
Carbon pile regulator. W. A. Reichel. 2,481,782, Sept. 13.
Carburetor. L. D. Boyce. 2,481,566, Sept. 13.
Carriage, Spike setter. K. and R. Kershaw. 2,481,483, Sept. 13.
Carrying device for fishhooks. E. E. Gregory. 2,481,586, Sept. 13.
Cart, Golf bag. R. L. F. McDonald. 2,482,018, Sept. 13.
Carton for ink bottles. R. Chemlinski. 2,481,571, Sept. 13.
Casting target. L. I. Fincke. 2,482,057, Sept. 13.
Catalyst particles having nuclei of previously calcined fines, Preparing. C. E. Hemminger. 2,481,841, Sept. 13.
Catalytic hydrogenation of naphthalenes. M. H. Gwynn. 2,481,921, Sept. 13.
Cathode-ray tube with photo-dichroic ionic crystal light modulating screen. A. H. Rosenthal. 2,481,622, Sept. 13.
Ceiling construction. R. H. Stitt. 2,481,794, Sept. 13.
Cellulose ethers, Production of. J. H. MacGregor. 2,482,011, Sept. 13.
Center and center drill, Combination. R. W. Miller. 2,481,939, Sept. 13.
Check valve. D. C. Green. 2,481,482, Sept. 13.
Checking fixture, Rotary. R. S. Yingling. 2,482,051, Sept. 13.
Chuck, Toolholding. A. A. Panyard. 2,481,945, Sept. 13.
Circuit: *See*—
Hydraulic circuit. Stabilizing circuit.
Circuit breaker, Air blast. F. Grünewald and E. M. Dakin. 2,481,996, Sept. 13.
Circuit control, Electric motor protective. E. C. Slaughter. 2,481,956, Sept. 13.
Circuit for a balancing network, Indicator. H. M. Simons. 2,481,954, Sept. 13.
Clamp: *See*—
Radiator clamp.
Clasp, Hair. A. J. Spokus. 2,481,791, Sept. 13.
Clip. L. O. Gordon. 2,481,740, Sept. 13.
Closure-feeding device. P. Gschwend and J. M. Sharf. 2,481,508, Sept. 13.
Closure means for handbags. J. Feigen. 2,481,735, Sept. 13.
Closure-release mechanism. H. H. Borthwick. 2,481,495, Sept. 13.
Clothesline reel. B. E. Johnson. 2,481,753, Sept. 13.
Clothesline, Retractable. J. C. Borup. 2,481,638, Sept. 13.
Clutch mechanism. C. C. King. 2,482,007, Sept. 13.
Clutch: *See*—
Axially engaging multiple disk clutch. Axially engaging positive clutch.
Coat hanger attachment. I. C. Gartner. 2,481,737, Sept. 13.
Coating machine, Pipe. A. O. Mickelson. 2,482,021, Sept. 13.
Coating method, Metal protective. L. Cinamon. 2,481,977, Sept. 13.
Color television. A. N. Goldsmith. 2,481,839, Sept. 13.
Columbium and tantalum, Separation of. R. M. Fowler. 2,481,584, Sept. 13.
Combined spring and friction shock absorbing mechanism. G. E. Dath. 2,481,574, Sept. 13.
Combustion engine. F. G. Prieto. 2,481,872, Sept. 13.
Communication system, Power line carrier wave. R. C. Edson and J. W. Emling. 2,481,915, Sept. 13.
Composition of matter and making same. J. S. Ross. 2,481,879, Sept. 13.
Composition to blacken surfaces of copper and of alloys containing copper. J. D. MacMahon. 2,481,854, Sept. 13.
Container: *See*—
Insulated container. Shipping container.
Container and releasing mechanism, Bomb. J. C. Darnall, Jr. 2,481,501, Sept. 13.
Continuous run treatment of sheet materials, Method and apparatus for. E. J. Fisher. 2,481,992, Sept. 13.
Control circuit for frequency modulation television systems, Automatic frequency. W. E. Bradley. 2,481,902, Sept. 13.
Control device, Rheostat. A. S. Osborn. 2,481,776, Sept. 13.
Control for free-piston units. K. C. Cooper. 2,481,908, Sept. 13.
Control instrument. E. C. Burdick. 2,481,820, Sept. 13.
Control system for alternating current commutator motors. B. Schwarz. 2,481,786, Sept. 13.
Control system, Isolated radiant energy. J. Y. Dunbar, R. D. Gilpin, and N. R. Hussey. 2,481,503, Sept. 13.
Control system, Motor. H. H. Conacher. 2,481,572, Sept. 13.
Controller and circuit breaker for electric motors. L. Heidmann. 2,481,743, Sept. 13.
Controller, Ratio. N. Brewer. 2,481,496, Sept. 13.
Controlling device, Refrigerant flow. L. W. Atchison. 2,481,968, Sept. 13.
Conveyer for hay gathering and feeding mechanism for hay balers. E. B. Nolt. 2,481,528, Sept. 13.
Conveyer system, Grain. A. L. Miller. 2,481,860, Sept. 13.
Cooler: *See*—
Water cooler.
Cooling cycle for internal-combustion engines. M. F. Knoy. 2,481,520, Sept. 13.
Cooling system for marine motors. E. C. Ortman and W. Young. 2,482,024, Sept. 13.
Corn-clipping apparatus. E. P. Philkoff. 2,481,947, Sept. 13.
Cotton treated with a cation active amine. P. H. Schlosser and K. R. Gray. 2,481,692, Sept. 13.
Coupler. E. P. Kinne. 2,482,005, Sept. 13.
Coupler lock. R. E. McGahey. 2,482,019, Sept. 13.
Coupling: *See*—
Hose coupling. Shaft coupling.
Crib bottom, Adjustable. E. E. Woller. 2,481,965, Sept. 13.
Curler, Hair. A. Zachary. 2,482,052, Sept. 13.
Curtain and shade rod holder. B. M. Wadkins. 2,481,802. Sept. 13.
Cutter: *See*—
Outside cutter. Rotary weed cutter.
Cutting machine. C. Offenhauser. 2,481,775, Sept. 13.
Cyanine dyestuffs and making same. G. Schwarz. 2,481,953, Sept. 13.
Dehydrogenation of hydrocarbon oil and catalyst therefor. W. H. Claussen and H. B. Wellman. 2,481,824, Sept. 13.
Depolarizer units for alkaline primary cells, Making. S. Ruben. 2,481,539, Sept. 13.
Device for adjusting the stereophonic effect in devices for stereophonic transmission. K. de Boer and R. Vermeulen. 2,481,911, Sept. 13.
Device for and method of setting spark plug electrodes. L. M. Oden. Sr. 2,481,530, Sept. 13.
Device for dispensing liquid fuel into combustion air of furnaces. A. H. Rosenthal. 2,481,620, Sept. 13.
Device for holding and setting jointer knives. M. A. Lord. 2,481,936, Sept. 13.
Device for injecting penicillin or similar liquids. H. G. Willis. 2,481,636, Sept. 13.
Device for separating leaves, stems, and other material from hops. G. R. and Z. Anderson. 2,481,897, Sept. 13.
Device for stereophonic sound transmission in two channels. K. de Boer. 2,481,576, Sept. 13.
Diaper, Weighted. D. Wilson. 2,482,049, Sept. 13.
Dice agitating game device, Solenoid operated. B. E. Mills. 2,481,680, Sept. 13.
Differential transmission, Non-torque-equalising. R. R. Randall. 2,481,873, Sept. 13.
Directional system. P. G. Hansel. 2,481,509, Sept. 13.
Discharging device, Static electricity. W. J. Duchesneau. 2,481,913, Sept. 13.
Dish and tray, Combination. O. L. Waggoner. 2,481,544, Sept. 13.
Dispenser: *See*—
Tape dispenser.
Display sign with shutter, Rotatable. R. N. Morton. 2,481,941, Sept. 13.
Dolly, Tongue-supporting. G. Pruitt. 2,481,948, Sept. 13.
Door frame. A. B. Carper. 2,481,721, Sept. 13.
Door handle assembly. B. S. Floraday. 2,481,832, Sept. 13.
Door latch. J. C. Ehrke. 2,481,990, Sept. 13.
Drain device. H. E. Dales and R. C. Baarlaer. 2,481,909, Sept. 13.
Dried food product, Producing a. M. R. Coe. 2,481,723, Sept. 13.
Drilling fluids and using same. W. M. Hutchinson. 2,481,513, Sept. 13.
Drilling fluids and using the same. C. R. Wagner and M. A. Ryan. 2,481,545, Sept. 13.
Drive, Torque converter. E. F. Norelius. 2,481,529, Sept. 13.
Driving mechanism for article forming apparatus. L. A. Freeman. 2,481,653, Sept. 13.
Drying hair. F. O. Conill. 2,481,645, Sept. 13.
Drying oil by polymerization of olefins, Preparation of. P. H. Carnell. 2,481,498, Sept. 13.
Egg cracker. E. Dolezal. 2,481,579, Sept. 13.
Electric air heater. L. Yelenski. 2,482,050, Sept. 13.
Electric filter. C. E. G. Bailey. 2,481,562, Sept. 13.
Electric knife switch. J. E. Digman and C. S. Davis. 2,481,829, Sept. 13.
Electrode terminal connections for the electrolysis of seaport and related waters. G. C. Cox. 2,481,827, Sept. 13.
Electrodes in electric discharge tubes, Mounting of. A. L. Chilcot and S. Jackson. 2,481,906, Sept. 13.
Electronic gauge. W. H. Fuss. 2,481,993, Sept. 13.
Electrooptical system. W. H. T. Holden. 2,481,667, Sept. 13.
Elements of sectional cabinets, Joining. C. A. Betts. 2,481,972, Sept. 13.
Engine: *See*—
Combustion engine.
Supercharged internal-combustion engine.
Engine and operating same, Two-cycle. R. F. Bracke. 2,481,901, Sept. 13.
Engraving and copying machine, Electrically operated. G. G. Gruettner. 2,481,657, Sept. 13.
Enol acetates, Producing. D. C. Hull and A. H. Agett. 2,481,669, Sept. 13.
Ester-lactones of isopropenyl acetate heteropolymers. L. M. Minsk and W. O. Kenyon. 2,481,769, Sept. 13.
Evaluator, Chart. J. E. Bevins. 2,481,563, Sept. 13.
Evaporator. C. C. Hubbell. 2,481,511, Sept. 13.
Evaporator structure. C. C. Hubbell. 2,481,512, Sept. 13.
Evaporator structure. W. M. Wohl. 2,481,556, Sept. 13.
Exhibiting device, Color. A. Kanaske. 2,481,672, Sept. 13.
Expander, Hose coupling. W. M. Sherman. 2,481,628, Sept. 13.
Explosive suitable for safety blasting explosives. J. Taylor and O. A. Gurton. 2,481,795, Sept. 13.
Exposure meter having connected movable galvanometer and calculator scales, Photoelectric. J. Mihalyi. 2,481,678, Sept. 13.
Extractor: *See*—
Juice extractor.
Eye testing device having self-contained means for checking both far and near vision deficiencies. C. A. Ellis. 2,481,582, Sept. 13.
Fan-radiator apparatus, Electrically heated. S. A. Witte, W. W. and P. W. Wittle, and N. Witte. 2,481,963, Sept. 13.
Fast neutron meter. C. C. Gamertsfelder, Jr. 2,481,506, Sept. 13.
Fast neutron meter. E. O. Wollan. 2,481,964. Sept. 13.
Fastener. C. D. Overly. 2,481,777, Sept. 13.
Fastener for pens and the like, Pocket. C. F. Norlin. 2,481,774, Sept. 13.
Felted rock wool, Method and apparatus for the production of. C. D. Richardson. 2,481,949, Sept. 13.
Fibers, Producing. A. L. Simison. 2,482,071, Sept. 13.
Film-handling apparatus and film reader projector. R. S. Hopkins. 2,481,668, Sept. 13.
Filter: *See*—
Electric filter.
Filter. O. A. Becker. 2,481,489, Sept. 13.
Filtering device for clothes-washing machines. R. H. Colley. 2,481,979, Sept. 13.
Firearm with a breech bolt and breech bolt carrier, Recoiling barrel. E. H. Waitke, Jr. 2,481,548, Sept. 13.
Fireplace, Outdoor. C. O. Larson. 2,482,068, Sept. 13.
Firing device, Electric. F. R. Seavey. 2,481,696, Sept. 13.
Fish box for anglers. W. R. Olson. 2,482,022, Sept. 13.
Fish lure. W. C. Arndt. 2,481,710, Sept. 13.

Fishing leader making device. E. E. Gregory. 2,481,587, Sept. 13.
Fishing lure, Artificial. C. J. Smith. 2,481,789, Sept. 13.
Fishing lure retriever, Artificial. P. M. Swaim. 2,482,037, Sept. 13.
Fitting for lighting fixtures. P. D. Phillips. 2,481,531, Sept. 13.
Fitting, Terminal. W. A. Meighan. 2,481,610, Sept. 13.
Fixture, Combination bathroom. T. H. Sarchet. 2,481,624, Sept. 13.
Flaw detector mechanism, Rail. W. E. Mesh. 2,481,858, Sept. 13.
Flexible seal check valve. A. Bertea. 2,481,713, Sept. 13.
Flow regulator. G. R. Whitney. 2,481,705, Sept. 13.
Fluid diaphragm. H. Harrison. 2,481,660, Sept. 13.
Fluid heater. C. Videche. 2,481,958, Sept. 13.
Fluophosphate glass. K.-H. Sun and M. L. Huggins. 2,481,700, Sept. 13.
Foaming in steam generation, Prevention of. P. G. Bird and A. L. Jacoby. 2,481,899, Sept. 13.
Folding bath stand and dressing table, Infant's. C. T. De Puy and W. C. Baxter. 2,481,577, Sept. 13.
Folding clothes rack. H. E. Turner. 2,481,797, Sept. 13.
Foot rail, Horizontally adjustable. A. B. Bell. 2,481,970, Sept. 13.
Foundation garment, Stretchable reinforced diagonal. C. Brown. 2,481,818, Sept. 13.
4-(2-pyrryl) thiazoles and 4-(2-pyrryl) selenazoles. E. B. Knott, F. M. Hamer, and R. J. Rathbone. 2,481,674, Sept. 13.
Frame: *See*—
Door frame.
Friction shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,481,575, Sept. 13.
Frying and basting of eggs, Automatic. K. E. Bemis. 2,481,711, Sept. 13.
Fuel burner with a disk type fuel-distributing means, Rotary. C. W. Gibson. 2,481,836, Sept. 13.
Fuel, Diesel. P. Miller. 2,481,859, Sept. 13.
Fuel filler can. G. J. Buck. 2,481,719, Sept. 13.
Fuel injection system for free-piston engines, Pressure actuated. R. J. Hooker. 2,481,927, Sept. 13.
Fuel oil system for feeding a plurality of burners, including emptying unused oil. L. D. Bishop. 2,481,671, Sept. 13.
Furnace: *See*—
Metal melting furnace.
Furniture, Article of. H. E. and E. A. John. 2,481,671, Sept. 13.
Furniture structure, Upholstered. R. R. Leon. 2,481,761, Sept. 13.
Fuse, Electric. E. Wilcox. 2,481,893, Sept. 13.
Fused ceramic riprap, Producing. D. A. Buzzell and G. Blackstone. 2,481,497, Sept. 13.
Game board. E. L. Whitehall. 2,482 083, Sept. 13.
γ-aldols and γ-ketols, Preparing. M. Mainçon and P. Chassaing. 2,481,765, Sept. 13.
Garment form. A. T. Beal. 2,481,561, Sept. 13.
Gas turbine mounting. D. N. Walker and W. E. P. Johnson. 2,481,547, Sept. 13.
Gauge: *See*—
Electronic gauge.
Gear unit, Air-cooled reduction. S. L. Eastman and C. M. Johns. 2,481,914, Sept. 13.
Generator: *See*—
Impulse generator.
Gettering for discharge tubes. C. F. Veenemans and H. C. Hamaker. 2,482,043, Sept. 13.
Glass fibers, Method and apparatus for producing. C. J. Stalego. 2,481,543, Sept. 13.
Golf club accessory for swing practice. H. W. McConnell. 2,482,015, Sept. 13.
Governor, Magnetic. C. L. Fitz. 2,481,920, Sept. 13.
Grade indicator. G. Langley. 2,481,847, Sept. 13.
Grain treating machine. J. F. Stokes. 2,481,957, Sept. 13.
Grappler. S. H. Hall. 2,481,923, Sept. 13.
Grinding and polishing machine of the rotary-tool type. A. E. Hamilton. 2,481,588, Sept. 13.
Grinding apparatus, Die edge. J. W. Hewitt, Jr. 2,482,001, Sept. 13.
Grip for hoists or elevators, Safety. C. E. Thomas. 2,481,796, Sept. 13.
Guide mechanism for vehicle bodies, Window. J. H. Roethel. 2,481,535, Sept. 13.
Handhold and card pocket. R. C. Potts. 2,481,871, Sept. 13.
Hand loom. K. L. Simons. 2,481,955, Sept. 13.
Handle for pedal control, Operating. H. L. Zivi. 2,481,966, Sept. 13.
Heat conservation means for domestic hot water systems. F. G. Campbell. 2,481,720, Sept. 13.
Heat sealing element, Thermoplastic film. T. W. Winstead. 2,481,554, Sept. 13.
Heater: *See*—
Electric air heater.
Fluid heater.
Thermostatically controlled space heater.
Heater burner and ignition means therefor, Internal-combustion. V. N. Tramontini. 2,481,631, Sept. 13.
Heater control. V. N. Tramontini. 2,481,630, Sept. 13.
Heating and hardening burner. B. G. Ward, Jr. 2,481,961, Sept. 13.
Heating apparatus. M. L. Mueller. 2,481,861, Sept. 13.
Helicopter. S. Hiller, Jr. 2,481,745–7, Sept. 13.
Helicopter. S. Hiller, Jr. 2,481,748–9, Sept. 13.
Helicopter. S. Hiller, Jr., and J. Stuart, III. 2,481,750, Sept. 13.
High dispersion fluosilicate glasses. K.-H. Sun. 2,481,701, Sept. 13.
High-frequency power, Measuring of. C. W. Hansell. 2,481,589, Sept. 13.
Hinge. R. I. Rhodes. 2,481,877, Sept. 13.
Hinge for mounting sun shields on cap visors. H. and L. Wall. 2,481,960, Sept. 13.
Hoist for semitrailers, Front end. W. J. Bevan. 2,481,898, Sept. 13.
Holder: *See*—
Curtain and shade rod holder.
Iron holder.
Nursing bottle holder.
Piezoelectric crystal holder.
Welding electrode holder.
Work holder.
Holder for belt fasteners. B. Tebb. 2,481,889, Sept. 13.
Holding device, Sheet. A. C. Gannon. 2,482,058, Sept. 13.
Hose coupling. K. Doerr, 2,481,730, Sept. 13.
Hot melt coating composition. M. Salo and H. F. Vivian. 2,481,687, Sept. 13.
Humidifier. H. E. Gibson. 2,481,738, Sept. 13.
Hydraulic circuit. W. Ernst. 2,481,991, Sept. 13.
Hydraulic pump. H. A. W. Petersen. 2,481,613, Sept. 13.
Illumination control for photographic copying apparatus. A. E. Schubert and H. P. Hintz. 2,481,694, Sept. 13.
Image display apparatus and cabinet having adjustable light shields. J. K. Rose. 2,482,031, Sept. 13.
Improving cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. B. C. Barton. 2,481,810–11, Sept. 13.
Impulse generator. F. B. Headley. 2,482,000, Sept. 13.
Incinerator for city refuse and the like, Traveling grate. T. Ferro and M. M. Manov. 2,481,504, Sept. 13.
Indicating device, Pressure. J. T. Fitzpatrick. 2,481,651, Sept. 13.
Indicator: *See*—
Air pressure indicator.
Grade indicator.
Multiple position electrically operated display indicator.
Sight glass fluid flow indicator.
Tire pressure indicator.
Indicator for chlorinating systems, Chlorine concentration limit. C. F. Wallace. 2,482 078, Sept. 13.
Inflatable catheters having preformed balloon sacs, Making. J. M. Auzin. 2,481,488, Sept. 13.
Initially placing the train and elevation axes of a gun in parallelism with the corresponding axes of the sights of its director. C. G. Williams. 2,481,551, Sept. 13.
Instrument for hemoglobin determination having two filters to match the spectral curve of oxyhemoglobin. M. G. Brown. 2,481,567, Sept. 13.
Insulated container. J. L. Hemp. 2,481,664, Sept. 13.
Insulator body, Porcelain. B. F. Dewey. 2,481,729, Sept. 13.
Interlock mechanism. G. B. Thieme. 2,481,629, Sept. 13.
Intermittent film-advancing mechanism. O. Wittel. 2,481,706, Sept. 13.
Internal-combustion engine and operating the same. G. P. Toews. 2,481,890, Sept. 13.
Iron holder. S. Pilato. 2,481,869, Sept. 13.
Ironing board pad. B. H. Foster. 2,481,833, Sept. 13.
Isomelamines, Isomerizing. J. T. Thurston. 2,482,076, Sept. 13.
Jack: *See*—
Pumping jack.
Screw jack.
Jewelry display. W. M. Brady. 2,481,903, Sept. 13.
Joint: *See*—
Steam joint.
Swivel valve joint.
Journal assembly, Replaceable bearing. W. F. Kester. 2,481,931, Sept. 13.
Juice extractor. R. Lapps. 2,481,848, Sept. 13.
Keeper for straps and cords. L. L. Sherwood. 2,481,788, Sept. 13.
Ketenes with quinones, Condensation of. H. J. Hagemeyer, Jr. 2,481,742, Sept. 13.
Keyer for code transmitters, Automatic. W. W. McGoffin. 2,481,607, Sept. 13.
Kit, Attachable creel. F. E. Rockhill. 2,481,618, Sept. 13.
Knitting machine, Circular. P. A. Brooks. 2,481,718, Sept. 13.
Laminated articles, Manufacture of. M. G. Whitfield. 2,481,962, Sept. 13.
Lapping tool. C. E. Archer. 2,481,967, Sept. 13.
Large aperture objective having four air spaced components. W. Schade and W. Van Graafeiland. 2,481,688, Sept. 13.
Lasting machine. B. Jorgensen. 2,481,756, Sept. 13.
Latch: *See*—
Door latch.
Launcher for projectiles, Displacement. G. L. Schuyler. 2,481,542, Sept. 13.
Launcher, Projectile. R. Walker. 2,481,546, Sept. 13.
Launcher, Rocket. W. H. D'Ardenne. 2,481,910, Sept. 13.
Lens system, High-aperture copying. F. E. Altman and C. J. Melech. 2,481,639, Sept. 13.
Level, Illuminated. A. W. Foerster. 2,481,736, Sept. 13.
Lever. Overhead track switch operating. J. A. Carlsen. 2,481,822, Sept. 13.
Light attachment for fishing poles. B. R. Schneider. 2,481,881, Sept. 13.
Light modulation by cathode-ray orientation of liquid-suspended particles. A. H. Rosenthal. 2,481,621, Sept. 13.
Light projecting device. P. F. Early. 2,481,988, Sept. 13.
Lighter, Cigarette. R. E. Deadwyler. 2,481,982, Sept. 13.
Liquid hydrocarbons, Refining of. A. Champagnat. 2,481,570, Sept. 13.
Liquid level switch. B. A. Nicholson. 2,481,612, Sept. 13.
Lock: *See*—
Coupler lock.
Nut lock.
Lock nut. Hard rubber ball thread gripping. L. L. Lewis. 2,481,762, Sept. 13.
Loom: *See*—
Hand loom.
Loop-spreader mechanism for chain-stitch sewing machines. F. F. Zeier. 2,482,079, Sept. 13.
Lubricating composition. D. E. Adelson. 2,481,487, Sept. 13.
Lubricating oil composition. M. W. Freeman. 2,481,585, Sept. 13.
Lubricator. B. Medhaug. 2,481,856, Sept. 13.
Machine for hobbing gears. J. A. Bradner. 2,481,974, Sept. 13.
Marine structure. J. E. Byrne and W. S. Housel. 2,481,821, Sept. 13.
Marking device. J. Stevens. 2,482,034, Sept. 13.
Master clock. M. L. Hamlin. 2,482,061, Sept. 13.
Master pin for endless track mechanism. R. Roman. 2,481,784, Sept. 13.
Material unloader. R. E. Exum. 2,481,917, Sept. 13.
Measuring and controlling, Method and apparatus for. L. Stanton. 2,481,485, Sept. 13.
Measuring and controlling system, Antihunt electrical. A. J. Hornfeck. 2,482,064, Sept. 13.
Measuring device, Reactance. R. L. Ringer, Jr. 2,481,617, Sept. 13.
Measuring instrument and circuits therefore, Electrical. W. E. Crowl. 2,481,500, Sept. 13.
Measuring system for geophysical prospecting, Intensity, intensity ratio and phase difference. B. S. Bjarnason. 2,481,492, Sept. 13.
Mechanism for cameras, Film winding. J. A. Henne. 2,481,665, Sept. 13.
Mechanism for forcing sliding doors open and closed. S. B. Haseltine. 2,481,590, Sept. 13.
Mechanism for projecting and retracting aircraft lift rotors. G. G. Downing. 2,481,502, Sept. 13.
Mechanism for vibrating diaphragms of pulp screens. M. F. Hayes. 2,481,999, Sept. 13.
Metal melting furnace. J. L. Stroman. 2,481,699, Sept. 13.
Metallic churns and butter kneaders having no kneading rollers. F. J. J. J. Henrard. 2,481,842, Sept. 13.
Meter: *See*—
Fast neutron meter.
Milling tool and pipe puller, Combined. J. R. Yancey. 2,481,637, Sept. 13.
Mirror structure having a metal to glass adherence increasing interlayer. W. H. Colbert, A. R. Weinrich, and W. L. Morgan. 2,482,054, Sept. 13.
Mixer. R. M. Dubin. 2,481,731, Sept. 13.
Modulating control. B. Hayter. 2,481,663, Sept. 13.
Modulator, Pulse. H. R. Hegbar. 2,481,925, Sept. 13.
Mold clamping and pouring system. G. W. Fuller. 2,481,654, Sept. 13.
Molding and printing apparatus. G. C. Schaub. 2,481,691, Sept. 13.
Molding and printing method. G. C. Schaub. 2,481,690, Sept. 13.
Molding and printing method and apparatus. G. C. Schaub. 2,481,689, Sept. 13.
Molding machine, Rotary. B. R. Abbott. 2,481,486, Sept. 13.
Mono-aryl isomelamines. D. W. Kaiser and D. E. Nagy. 2,481,758, Sept. 13.
Monofluorophosphates, Producing. C. O. Anderson. 2,481,807, Sept. 13.
Motor and clutch unit. A. C. Peterson. 2,481,867, Sept. 13.
Motor construction. S. A. Brown. 2,481,819, Sept. 13.
Motor construction, Electric. E. O. Schweitzer, Jr. 2,482,032, Sept. 13.
Motor control. W. B. Eddison. 2,481,989, Sept. 13.
Motor control system, Antihunt electric. A. J. Hornfeck. 2,482,065, Sept. 13.
Motor-driven toy vehicle. E. O. Roggenstein. 2,481,686, Sept. 13.
Motor system, Self-synchronous. R. E. Meagher. 2,482,020, Sept. 13.
Mounting: *See*—
Cable brace-bar ophthalmic mounting.
Gas turbine mounting.
Shock mounting.
Mouse trap. I. A. Cook. 2,481,907, Sept. 13.
Multiple position electrically operated display indicator. N. D. Preston and F. B. Hitchcock. 2,481,780, Sept. 13.
Musical instrument, Electrical. S. W. McKellip. 2,481,608, Sept. 13.
Mustard gas resistant fabric, Making. I. Pöckel. 2,481,532, Sept. 13.
Needle protector for knitting machines, Retractable electric. E. Vossen. 2,481,632, Sept. 13.
Necktie holder or rack. D. E. Kauffman. 2,482,003, Sept. 13.
Nursing bottle holder. R. V. Nelson. 2,481,773, Sept. 13.
Nut breaking tool. H. Persson. 2,482,025, Sept. 13.
Nut lock. A. H. Devlyn. 2,481,828, Sept. 13.
Olefinic compounds with hydrogen sulfide, Condensation of. J. B. Fenn and J. L. Eaton. 2,481,583, Sept. 13.
Opener, Seal conveyed letter. R. T. Lacey. 2,482,080, Sept. 13.
Operating means for engraving and copying machines, Electromagnetic. G. G. Gruettner. 2,481,658, Sept. 13.
Optical instrument for use in aircraft for visually synchronizing the landing wheels and ground movement. S. S. Knox. 2,481,600, Sept. 13.
Optical reflecting material. T. G. Jungersen. 2,481,757, Sept. 13.
Optical system with cylindrical screen means, Image projection. C. J. B. Rheams. 2,481,615, Sept. 13.
Organic phosphates, Preparation of. I. Hechenbleikner. 2,482,063. Sept. 13.
Outside cutter. W. C. Erwin. 2,481,831, Sept. 13.
Oxide pigs, Treating. J. W. Sadler. 2,481,880, Sept. 13.
Oxycellulose products, their manufacture and utilization. W. H. Van Delden and J. B. Rust. 2,482,042, Sept. 13.
Pad: *See*—
Ironing board pad.
Painting apparatus, Spray. J. A. Bede. 2,481,813, Sept. 13.
Pencil, Mechanical. L. J. Most. 2,481,942, Sept. 13.
Penicillin-pectin composition and manufacture. B. S. Whittingham. 2,481,804, Sept. 13.
Penicillin-pectin compositions. B. S. Whittingham. 2,481,805, Sept. 13.
Phase comparator comprising an alternating current bridge circuit. C. Dorsman and P. H. Dijksterhuis. 2,481,912. Sept. 13.
Photoelectric apparatus for detecting surface defects in glassware. E. R. Owens. 2,481,863, Sept. 13.
Photographic film, Antihalation. G. F. Nadeau. 2,481,770, Sept. 13.
Physiotherapy apparatus. A. K. Bjorkman. 2,481,564, Sept. 13.
Picking mechanism for looms. G. C. Beatrice. 2,481,812, Sept. 13.
Pickup, Electrostatic. W. H. Unger. 2,482,081, Sept. 13.
Piezoelectric crystal holder. J. M. Wolfskill. 2,481,806, Sept. 13.
Pinene to terpin hydrate, Conversion of. R. G. King. 2,481,845, Sept. 13.
Pipe: *See*—
Smoking pipe.
Pipe bending machine. F. Ingemarson. 2,481,514, Sept. 13.
Piston and locked ring assembly and piston ring locking clip. J. Williams. 2,481,552–3, Sept. 13.
Plate, Center. J. H. Scott. 2,481,695, Sept. 13.
Platform shoe and making the same. N. J. Sissak. 2,482,010, Sept. 13.
Play table. E. R. and M. W. Culley. 2,481,725, Sept. 13.
Plectrum with two playing points. R. H. Lawrence. 2,481,759, Sept. 13.
Polarizing dichroic film and preparing the same, Optically. J. F. Dreyer. 2,481,830, Sept. 13.
Polymerization of propylene. E. V. Kleber. 2,482,008, Sept. 13.
Polymerization process. W. E. Elwell and A. L. Snow. 2,482,056, Sept. 13.
Polysulfone resins, Stabilization of. E. P. Irany and H. D. Noether. 2,481,596, Sept. 13.
Polyvinyl alcohol silver halide photographic coatings, Hardened. W. G. Lowe. 2,481,676, Sept. 13.
Position computer. S. S. King. 2,481,846, Sept. 13.
Power regulating bridge network. L. B. Cherry. 2,481,905, Sept. 13.
Press mechanism. B. Japikse. 2,481,670, Sept. 13.
Primary aromatic amine derivative of gelatin by reaction of gelatin with isatoic anhydride and product thereof, Preparing a. J. Russell and R. E. Stauffer. 2,481,540, Sept. 13.
Projection viewer having manual lens adjusting and film moving means, Microfilm. E. F. Lindner. 2,481,850, Sept. 13.
Propeller, Variable thrust and reversing. J. B. James. 2,481,751, Sept. 13.
Pulley mounting for band saws, Adjustable. W. Lasar. 2,481,675, Sept. 13.
Pulse-echo distance measuring, Method and apparatus for. E. J. Isbister. 2,481,515, Sept. 13.
Pump. L. E. Johnson. 2,481,754, Sept. 13.
Pump rotor, Vane. G. A. Waldie and J. A. Muller. 2,482,045, Sept. 13.
Pumping jack. F. H. Rued. 2,481,623, Sept. 13.
Pump: *See*—
Hydraulic pump.
Sanitary pump.
Variable delivery gear pump.
Punch apparatus. L. H. Semler. 2,481,883, Sept. 13.
Purse, Garter. R. Howard. 2,481,594, Sept. 13.
Pyridine compounds, Substituted. H. W. Coover and N. J. Bowman. 2,481,573, Sept. 13.
Quaternary ammonium steroids and process. H. B. MacPhillamy and C. R. Scholz. 2,481,524, Sept. 13.
Quick-freezing of foodstuffs without precooling. H. A. Noyes. 2,481,484, Sept. 13.
Rack: *See*—
Folding clothes rack.
Radiator clamp. G. C. Jones. 2,481,755, Sept. 13.
Radio coupler and communication, Automobile. J. B. Clough. 2,481,978. Sept. 13.
Railway crosstie. J. Dell. 2,481,983, Sept. 13.

Rake, Center delivery. F. O. Godley. 2,481,995, Sept. 3.
Raw cotton for conversion into rayon. P. H. Schlosser and K. R. Gray. 2,481,693, Sept. 13.
Reaction jet torque compensation for helicopters. S. Hiller, Jr. 2,481,749, Sept. 13.
Receiver, Superregenerative. B. D. Loughlin. 2,481,852, Sept. 13.
Receiver system, Superregenerative. L. F. Jaggi. 2,481,517, Sept. 13.
Recording system, Bifilar magnetic. M. Camras. 2,481,904, Sept. 13.
Rectification of crude alkaloids. S. E. Ronsone. 2,481,537, Sept. 13.
Rectifiers. M. Goodman. 2,481,739, Sept. 13.
Reduction-hydrolysis of nitrobenzenes to cyclohexanols. G. F. Hager. 2,481,922, Sept. 13.
Reel: *See*—
Clothesline reel.
Reel and mechanism for inverse winding of motion-picture films. J. R. Adams. 2,481,708, Sept. 13.
Refrigerator. W. E. Richard. 2,481,616, Sept. 13.
Refrigerator, Display and dispensing. P. Spiro. 2,481,790, Sept. 13.
Refrigerator system. D. E. MacLeod. 2,481,605, Sept. 13.
Registering device for printing elements, Predetermined. W. C. Huebner. 2,481,928, Sept. 13.
Regulator: *See*—
Carbon pile regulator. Flow regulator.
Regulator with diaphragm type spring, Electric. C. J. Jenny and T. F. Pryor, III. 2,481,752, Sept. 13.
Remover, Staple. W. E. de Generes. 2,481,647, Sept. 13.
Removing soluble salts from photographic emulsions. S. S. Fierke. 2,481,650, Sept. 13.
Repeater system, Multiway regenerative. K. E. Fitch. 2,481,919, Sept. 13.
Reproducing system, Frequency modulation. C. M. Sinnett. 2,481,886, Sept. 13.
Resin-wax composition. D. Schoenhols and L. Kresser. 2,482,070, Sept. 13.
Resistance welding aluminum to steel, and product thereof. T. Redmond. 2,481,614, Sept. 13.
Resistance welding of hard to weld metals, particularly for finned tubing, Electric. E. A. Schryber. 2,481,626, Sept. 13.
Resistor, Adjustable. V. E. Payne. 2,481,682, Sept. 13.
Resistor, Humidity responsive. A. B. Dember. 2,481,728, Sept. 13.
Retainer for spectacles. E. E. Pendleton. 2,481,946, Sept. 13.
Retainer, Key. S. Segal. 2,481,787, Sept. 13.
Retriever, Bait. R. P. Brooks. 2,481,975, Sept. 13.
Ribbon changing implement. E. Meyer. 2,481,767, Sept. 13.
Road building machine. A. E. Miller and E. A. C. Eickstaedt. 2,481,679, Sept. 13.
Roller, Antimarriage. C. H. Harrigan. 2,481,998, Sept. 13.
Rotary weed cutter. R. Turner and L. Howell. 2,481,798, Sept. 13.
Rotatable game board. B. M. Peterson. 2,481,779, Sept. 13.
Rotor machine, Rotary multiple helical. H. R. Nilsson. 2,481,527, Sept. 13.
Rubber articles, Manufacture of. R. O. Teaton. 2,482,075, Sept. 13.
Safety mechanism for vulcanisers. L. E. Soderquist. 2,482,072, Sept. 13.
Sanitary napkins and fastening anchorage loops thereto. C. G. Joa. 2,481,929, Sept. 13.
Sanitary pump. W. E. Bakewell. 2,481,560, Sept. 13.
Saw, Power chain. A. L. Gannon. 2,481,835, Sept. 13.
Scaffold. E. H. Simpson. 2,481,885, Sept. 13.
Scale, Vehicle. C. S. Poole. 2,482,027, Sept. 13.
Score keeping device, Baseball. W. C. Adams. 2,481,709, Sept. 13.
Screw jack. E. C. Wahlberg. 2,482,082, Sept. 13.
Seal. N. S. Reynolds. 2,482,029, Sept. 13.
Seal, Shackle. W. M. Brooks. 2,481,815, Sept. 13.
Seal, Shrouded rotary. C. W. and H. W. Stratford. 2,481,888, Sept. 13.
Sealing device, Fluid. J. H. F. Stewart. 2,481,793, Sept. 13.
Seat and leg rest arrangement. F. L. Murphy and C. H. Apel. 2,481,943, Sept. 13.
Secret communication employing signal sequence switching. L. A. Thompson. 2,482,039, Sept. 13.
Seed harvester. R. W. Fort. 2,481,652, Sept. 13.
Separator of polystyrene fiber, Storage battery. A. W. Hanson. 2,482,062, Sept. 13.
Servomotor armature current control. W. T. White. 2,481,550, Sept. 13.
Shaft coupling. W. E. Amberg. 2,481,640, Sept. 13.
Sheet delivery control for cut-off mechanisms. B. W. Langston. 2,481,934, Sept. 13.
Sheet metal-working machine. H. L. Johnson. 2,481,518, Sept. 13.
Shelf to hold working tools for lubrication hoists. T. M. Hughes. 2,481,596, Sept. 13.
Ship for handling bulk freight. J. W. Burnett. 2,481,643, Sept. 13.
Shipping container. D. I. McKenzie. 2,481,855, Sept. 13.
Shock absorbing means. Q. Frasier. 2,481,505, Sept. 13.
Shock mounting. R. J. Bonthron and W. W. Rosenberry. 2,481,494, Sept. 13.
Shoe tree for drying shoes, Heated. L. T. Katchel. 2,481,930, Sept. 13.
Sight glass fluid flow indicator. J. F. Sebald and W. H. De Hay. 2,481,882, Sept. 13.
Signaling device, Emergency. M. Dwyer. 2,481,987, Sept. 13.
Silica zirconia gel, Preparation of. R. W. Blue. 2,481,493, Sept. 13.
Sinker, Fishing line. L. E. Young. 2,481,707, Sept. 13.
Siphon. A. J. Denlau. 2,481,984, Sept. 13.
Ski, Water. H. C. Stephens. 2,482,074, Sept. 13.
Sleeper for babies, Safety. S. R. Graves. 2,481,741, Sept. 13.
Sleeve for dynamite cartridges, Connecting. G. A. Brecker. 2,481,814, Sept. 13.
Slicing machine. C. O. Marshall, Jr. 2,482,013, Sept. 13.
Sliding-jaw, lever, and rack actuated wrench. W. Petersen. 2,481,866, Sept. 13.
Sludge handling method and apparatus. C. Yeomans. 2,481,894, Sept. 13.
Smoking pipe. J. S. Beeneck. 2,481,971, Sept. 13.
Snap-fastener socket member. W. I. Jones. 2,482,067, Sept. 13.
Solving device, Right triangle. C. W. Ward. 2,481,549, Sept. 13.
Spark gap and lamp. W. B. Smits. 2,481,887, Sept. 13.
Sphygmomanometer cuff. B. M. Hanafin. 2,481,924, Sept. 13.
Spike, Shoe. V. A. Trusty. 2,481,703. Sept. 13.
Spindle, Spinning. J. Montane. 2,481,681, Sept. 13.
Spring: *See*—
Adjustable sash spring.
Spring wheel. W. L. Wharton. 2,482,046, Sept. 13.
Stabilizing apparatus. L. B. Lynn. 2,481,853, Sept. 13.
Stabilizing circuit. G. I. Dutton and R. E. Fountain. 2,481,986, Sept. 13.
Stable foam generating composition, Producing a. A. F. Ratzer. 2,481,875, Sept. 13.
Stable high reactivity paraformaldehyde. R. L. Craven. 2,481,981, Sept. 13.
Stacker and loader, Hay. R. M. Ginder. 2,481,994, Sept. 13.
Staple driving machine. M. E. Wampler. 2,481,892, Sept. 13.
Starting mechanism for internal-combustion engines. R. R. Robinson and J. D. Johnson. 2,481,783, Sept. 13.
Steam joint. R. Carpenter. 2,481,568, Sept. 13.
Stepladder, Extension. H. Ehnhuus. 2,481,581, Sept. 13.
Storage battery with notched partition. G. C. Appel. 2,481,558, Sept. 13.
Strut construction for drafting machines. J. A. Hislop. 2,481,666, Sept. 13.
Styrene by azeotropic distillation, Isolation of. K. H. Engel. 2,481,734, Sept. 13.
Substituted propionic acids and preparing the same. O. H. Johnson. 2,481,597, Sept. 13.
Suede leather with synthetic polymers, Treatment of. D. T. Kirby and J. T. Chain. 2,481,933, Sept. 13.
Sugar-bearing solutions, Treatment of. G. F. Mills. 2,481,768, Sept. 13.
Sulfuric acid chamber. E. A. Werner. 2,481,634, Sept. 13.
Supercharged internal-combustion engine. D. H. Thorns and D. Ramsay. 2,482,040, Sept. 13.
Superheating system and apparatus, Vapor. L. J. Leher. 2,481,760, Sept. 13.
Supervisory signaling in telephone systems. L. A. Kille and T. D. Robb. 2,481,932, Sept. 13.
Support: *See*—
Tool support.
Support for grinding machines and the like, Work. M. and D. H. Fairest. 2,481,918, Sept. 13.
Supporting detachable legs. T. K. Marks. 2,482,012, Sept. 13.
Supporting device, Self-adjusting and locking wheel. R. D. Henderson. 2,481,926, Sept. 13.
Suspension assembly for vehicles, Auxiliary. L. H. Bradley and J. T. Jennings, Jr. 2,481,817, Sept. 13.
Suspension for vehicles. G. L. Larison. 2,481,521, Sept. 13.
Suspension of fibrous material, Producing a. B. G. Wåhlin. 2,481,959, Sept. 13.
Switch: *See*—
Electric knife switch. Liquid level switch.
Switch construction. E. A. Link. 2,482,009, Sept. 13.
Switch for automatic telephones, Selector. C. E. Lomax. 2,481,851, Sept. 13.
Swivel valve joint. W. M. Elias. 2,481,783, Sept. 13.
Synchronizing alternating electric voltages. G. Guanella. 2,481,659, Sept. 13.
Synthetic gels, Production of. G. C. Connolly. 2,481,825, Sept. 13.
Synthetic rubber latices having large average particle size, Production of. C. E. Rhines. 2,481,876, Sept. 13.
Synthetic rubber latices, Preparation of. G. U. Glasgow. 2,481,838, Sept. 13.
Table: *See*—
Play table.
Tape dispenser. L. L. Werth. 2,481,704, Sept. 13.
Tape feeding and marking machine. G. Stiegler. 2,482,035, Sept. 13.
Tape, Pressure-sensitive adhesive. P. F. Ziegler. 2,481,895, Sept. 13.
Tapes, Pressure sensitive adhesive. P. F. Ziegler. 2,481,896, Sept. 13.
Target, Adjustable. L. Croteau. 2,481,724, Sept. 13.
Target, Parachute. H. Goldstein. 2,481,507, Sept. 13.
Technique for isolating subtilin. H. Lineweaver, A. A. Klose, and G. Alderton. 2,481,763, Sept. 13.
Telephone system, Mobile. L. R. Jacobsen. 2,481,516, Sept. 13.
Temperature control for weighing scales. L. S. Williams. 2,482,047, Sept. 13.
Tester, Ignition. C. W. McCoy. 2,482,016–17, Sept. 13.
Testing device, Lens. F. C. Black. 2,481,716, Sept. 13.
Testing system, Magnetic. M. L. Mages. 2,481,937, Sept. 13.
Tethering device. E. H. Ashbaugh. 2,481,559, Sept. 13.
Theophylline-ethylenediamine compound and preparing same. A. M. Black and J. F. Mahoney. 2,481,715, Sept. 13.
Thermal breaker, Secondary. J. B. Clapp. 2,481,722, Sept. 13.
Thermoplastic inner soles, Forming. G. C. T. Lindh. 2,481,602, Sept. 13.
Thermosetting resin coatings on sheets or films of softer organic plastic materials, Forming optically smooth, scratch-resistant. A. Barnes. 2,481,809, Sept. 13.
Thermostatically controlled space heater. T. J. Lehane. 2,481,849, Sept. 13.
Thioketones and preparing the same. R. H. Sprague. 2,481,698, Sept. 13.
Thread-controlling mechanism for sewing machines. W. C. Van Ness. 2,482,077, Sept. 13.
3′:4′-phthaloylacridones, R. N. Heslop, F. Irving, and A. Livingston. 2,481,744, Sept. 13.
Throwing tool. C. R. Livermon. 2,481,522, Sept. 13.
Timer for switching from signaling device to the subscriber's ringer after selectable predetermined time. E. J. Hardgrave. 2,481,840, Sept. 13.
Tire pressure indicator. S. Robertson. 2,481,534, Sept. 13.
Tool: *See*—
Lapping tool. Throwing tool.
Nut breaking tool.
Tool for loosening and forcing tire beads into rim centers, Hand. B. O. Luton. 2,481,764, Sept. 13.
Tool head, Multiple. C. S. Bohmer and C. A. Grunschel. 2,481,642, Sept. 13.
Toolholder. T. B. Tiefenbacher. 2,482,041, Sept. 13.
Tool support. G. J. Benes. 2,481,712, Sept. 13.
Top for milking machine containers. R. E. Maes. 2,481,606, Sept. 13.
Top, Vehicle body. G. Philip. 2,481,868, Sept. 13.
Towing device, Automobile or like. C. T. Rogers. 2,481,685, Sept. 13.
Toy vehicle and the like, Convertible. F. F. Giese. 2,481,837, Sept. 13.
Track, Tractor. J. L. Deffenbaugh. 2,481,727, Sept. 13.
Trailer, Windrow. F. E. Maurits. 2,482,014, Sept. 13.
Trainer, Transition. G. H. Hollingsworth, E. V. Burton, and R. A. Traficante. 2,481,510, Sept. 13.
Transformer, High reactance. C. E. Derbyshire. 2,481,985, Sept. 13.
Transformer responding to variations in amplitude of input waves. W. B. Callaway. 2,481,644, Sept. 13.
Transmission. P. V. Haigh and W. S. Horton. 2,481,997, Sept. 13.
Transmission unit. J. S. Sharpe. 2,481,627, Sept. 13.
Trap: *See*—
Animal trap. Mouse trap.
Ash trap.
Trap. J. D. Tyler. 2,481,800, Sept. 13.
Traveling bag having top-wall-supported compartment which remains hidden when side-wall closure is opened. A. Boretz. 2,481,565, Sept. 13.
Tray, Demountable work. R. E. Lorenzen. 2,481,604, Sept. 13.
Tray, Ice cube. R. J. Mott. 2,481,525, Sept. 13.
Tricycle. J. Poláček. 2,481,683, Sept. 13.
Tripod head, Tilting. H. Blair. 2,481,717, Sept. 13.
Truck unloading mechanism. W. Reinking. 2,482,028, Sept. 13.
Tube with a noncontaminating insert for the neck thereof, Collapsible. F. M. Menheneott and W. J. Hagger. 2,481,857, Sept. 13.
Tubular plastic articles, Making. R. N. Sabee and C. S. White. 2,481,951, Sept. 13.
Tuning mechanism, Self-locking push-button. M. J. Pifer. 2,482,026, Sept. 13.
Twisting means. W. Rowedder. 2,481,538, Sept. 13.
2-amino- and 2-alkylthio-4-(2-furyl)-thiazoles. E. B. Knott, F. M. Hamer, and R. J. Rathbone. 2,481,673, Sept. 13.
Valve: *See*—
Check valve. Flexible seal check valve.
Valve. J. O. Moorhead. 2,481,940, Sept. 13.
Variable delivery gear pump. R. M. Conklin. 2,481,646, Sept. 13.
Vehicle: *See*—
Motor-driven toy vehicle.
Vehicle antenna, Automotive. J. B. Cejka. 2,481,823, Sept. 13.
Vehicle for the disposal of snow and ice. A. J. Cayas. 2,481,569, Sept. 13.
Venetian blind. J. Bezjian. 2,481,714, Sept. 13.
Venetian blind assembly and bottom rail therefor. F. L. Stutz. 2,482,036, Sept. 13.
Vibrator, Electromagnetic bone. G. Vernier. 2,482,044, Sept. 13.
Viewing and illuminating device for divers' helmets. A. Barna. 2,481,808, Sept. 13.
Vinyl chloride-containing polymers having a high stability against thermal decomposition. S. Temple. 2,482,038, Sept. 13.
Vinyl chloride-containing polymers having a high stability against thermal decomposition. T. V. Williams. 2,482,048, Sept. 13.
Vinylidene chloride-butadiene-acrylonitrile interpolymers. G. W. Stanton and C. E. Lowry. 2,482,073, Sept. 13.
Water cooler. R. W. Hastings. 2,481,662, Sept. 13.
Welding electrode holder. D. M. Schwartz and W. B. McLean. 2,481,952, Sept. 13.
Welding machine, Pressure. E. J. Opitz. 2,482,023, Sept. 13.
Welding mechanism. F. H. Johnson. 2,481,844, Sept. 13.
Well head construction. J. E. Edwards. 2,481,732, Sept. 13.
Wheel: *See*—
Bladed wheel. Spring wheel.
Wheel unit, Dual axle. H. B. Van Raden. 2,481,891, Sept. 13.
Window guide mechanism for vehicle bodies. J. H. Roethel. 2,481,536, Sept. 13.
Work holder. J. Rock, Jr. 2,481,684, Sept. 13.
Workholder for mounting between jaws of a vise to support or clamp a workpiece. S. E. W. Hoenes. 2,482,002, Sept. 13.
Wrench: *See*—
Sliding-jaw, lever and rack actuated wrench.
Wrench with spiral drive, Gear-operated. W. W. Wehner. 2,481,633, Sept. 13.
Writing instrument, Ball-point. R. W. Randolph. 2,481,874, Sept. 13.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 13, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 2.1: 2,482,030
49: 2,481,892
49.4: 2,481,889
2— 10: 2,481,960
30: 2,481,818
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4— 2: 2,481,624
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U. S. GOVERNMENT PRINTING OFFICE: 1949

September 20, 1949 Volume 626 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Condition of Applications Under Examination at Close of Business Aug. 31, 1949

Total number of patent applications awaiting action, 146,489. Date of oldest new application, Sept. 11, 1947; date of oldest amended application, May 8, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-12-48	11-10-47	2231
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	8-17-48	7-23-47	2548
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-1-49	3-5-49	856
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-26-48	9-9-47	2048
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	12-1-48	1-2-48	1336
6. SURLE, H., Carbon Chemistry (part)	11-19-48	8-6-48	1768
7. HANLIN, GEORGE, Optics; Photographic Apparatus	12-22-48	9-16-48	1345
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-21-48	9-23-47	3013
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-17-48	12-13-47	2197
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Pieso-electric Crystals.	11-13-48	9-14-48	1407
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-20-48	1-12-48	2005
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-7-48	11-6-47	1819
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-9-47	12-6-47	1911
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	11-26-48	7-27-48	1242
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-1-48	4-1-48	1813
16. LOVEWELL, N. N., Television; Telephony	12-1-48	8-6-48	1400
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-12-48	5-8-47	2230
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	6-23-48	3-9-48	2436
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	11-8-48	5-11-48	1630
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	8-16-48	2-9-48	2049
21. MADER, R. C., Textiles	7-8-48	8-1-48	1309
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	11-26-47	11-4-47	1631
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-16-48	3-10-48	1081
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	9-9-48	9-14-48	2216
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-9-48	3-11-48	1678
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	12-16-48	9-10-48	1146
27. JAMES S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	4-10-48	9-9-47	3319
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-2-48	3-9-48	1926
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-15-48	1-2-48	3369
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange; Refrigeration; Illuminating Burners.	12-1-48	11-26-48	1662
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-14-48	12-13-48	2128
32. LESH, KARL E., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-30-48	4-26-48	1696
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	3-3-48	1-30-48	2819
34. SAPERSTEIN, A., Railways; Track Sanders; Signals and Indicators	7-24-48	4-16-48	1173
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	7-14-48	6-8-47	5748
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-8-48	9-25-47	7009
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-3-48	6-8-48	1218
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	10-25-48	7-28-48	1676
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	9-11-48	9-27-47	2076
40. DRUMMOND, E. J., Receptacles (part); Packages	11-4-48	1-10-48	2080
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-10-48	9-8-47	2216
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	1-6-49	1-13-49	946
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	9-13-48	1164
44. HARVEY, L. P., [illegible]	1-26-48	10-11-47	2373
45. MANSON, J. A., (Acting), [illegible]	9-9-48	1-7-48	2647
46. [illegible]	4-26-48	12-16-47	2670

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 146,489. Date of oldest new application, Sept. 11, 1947; date of oldest amended application, May 8, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	11-23-48	5-5-48	2046
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-1-48	5-10-48	1413
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-1-48	2282
50. LEVIN, SAMUEL, Synthetic Resins	1-3-49	10-6-48	1738
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	12-3-48	9-1-48	1585
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	7-26-48	11-6-47	3720
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-9-48	2-9-48	1931
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-8-48	1-20-48	1299
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-30-48	7-12-48	1707
56. COOKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification	12-4-48	9-4-48	2012
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	2-20-48	7-1-47	2166
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	9-11-47	1-20-48	1774
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	11-5-48	9-11-48	1296
60. LEVY, M. L., (Acting), Electricty—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-6-48	7-14-48	889
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-1-47	6-6-47	2783
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	9-2-48	11-4-47	2710
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	11-1-48	6-18-48	2238
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-9-49	2-9-49	1657
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	11-6-48	4-5-48	2272
66. LIBANN, I., Geometrical Instruments	9-8-48	7-3-47	1875
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-1-48	6-4-48	1879
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	1-19-49	10-12-48	1397
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-1-48	9-12-47	2205
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-17-48	2-19-48	1663
DESIGNS: BREHM, G. L.	1-30-48	1-13-49	6787

Total number of trade-mark applications awaiting action (including renewals and republications), 28,570. Date of oldest new application, June 28, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	7-2-48	11-16-48	4808
2. KASCHUB, H. E., Classes 2, 36, 46	8-5-48	7-20-48	4071
3. SUMMERS, G. S., Classes 21, 23, 26	6-28-48	1-26-49	3606
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	7-1-48	9-9-48	4251
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	7-8-48	10-14-48	3638
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	9-8-48	10-6-48	4018
7. KEYS, O. M., Classes 16, 19, 55	8-9-48	8-26-48	2688
8. GEDMAN, H. W. {Renewals / Republications} All Classes	6-9-49	7-15-49	516
	6-8-49	7-4-49	777

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE FREDERICK, JR.

No. 5606. Decided June 28, 1949

[— F.2d —; 82 USPQ 219]

1. WORDS AND PHRASES—"SURFACE LAYER."

Where the disclosure of the reference is limited to the use of conventional fibrous insulation board coated with a viscous hydrophilic substance, which is absorbed in the surface fibers of the sheet, *Held* that that substance can not be called a surface layer such as is defined in the involved claims.

2. PATENTABILITY—INVENTION—RECOGNITION AND SOLUTION OF A PROBLEM IN THE ART.

Where appellant recognized, attacked, and successfully solved a problem, and where the prior art, either singly or in combination is insufficient to suggest or to teach one skilled in the art what has been done by appellant, *Held*, claims are allowed.

3. WORDS AND PHRASES — "NON-FABRIC PARTICULATE FILM."

Where the application discloses a film-like paper sheet the pores thereof being so fine that the pulverulent tiny particles of cement were filtered out, while the water and air passed through the sheet, *Held* that the expression "non-fabric particulate film" is a proper description of the facing disclosed.

4. SAME—"NON-FABRIC."

Where the term "non-fabric" is coupled with the expression "thin foraminous" and "particulate film surfacing," *Held* that the single expression "non-fabric" should not be segregated from its context as has been done by the tribunals of the Patent Office in the holding that the term "non-fabric" did not properly define the surfacing sheet of the application.

5. PATENTABILITY—PARTICULAR SUBJECT MATTER—CONCRETE FORM LINING.

Held that the decision of the Board of Appeals rejecting certain claims for a concrete form lining board as unpatentable over the prior art, and as not properly defining the invention, is reversed.

APPEAL from the Patent Office. Serial No. 434,884.

REVERSED.

Charles M. Thomas (*Edward A. Hampson* of counsel) for Emile Frederick, Jr.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Primary Examiner, rejecting all of the claims, 1 to 8, inclusive, and 10 to 17, inclusive, of an application for a patent, Serial No. 434,884, filed March 12, 1942, for new and useful improvements in "Concrete Form Lining."

Appellant has moved to dismiss the appeal as to claims 2, 4, 5, 7, 8, 10, 15, 16, and 17, which motion will be granted. The rejection of claims 1, 3, 6, and 11 to 14, inclusive, are presently involved.

All of the involved claims were rejected by the Examiner as unpatentable over the following prior art: Andrews, 1,695,837, December 18, 1928; Heritage et al., 2,296,553, September 22, 1942; Brooks et al., 2,310,391, February 9, 1943.

Claims 1 and 3 were further rejected as improperly defining a part of appellant's structure by the use of the expression "non-fabric."

Claims 1, 3, 6, and 14 define the invention and read as follows:

1. A form lining board comprising in combination a body sheet and a surface sheet, the body sheet and surface sheet at their contiguous faces separably connected one to the other, the body sheet comprising a permeable, air porous sheet of the form of fiber insulation board of a density within the range of about 0.20 to 0.24 and throughout a portion thereof less than the entire thickness of the sheet extending from the rear face of the body sheet toward the surface sheet the fibers thereof sized and water repellent and the surface sheet comprising a thin foraminous and readily water and air pervious non-fabric particulate film surfacing on the combination form lining board.

3. As an article of manufacture a composite concrete form lining board comprising in combination a body sheet and a facing sheet, the body sheet comprising an air pervious and water absorptive board form sheet of fiber insulation board of a porosity of between 2 to 6 seconds per 100 cc. material and the surface sheet comprising a thin foraminous but continuous non-fabric particulate sheet porous to air and water, the adjacent faces of the body sheet and facing sheet separably adhered one to the other.

6. A composite concrete form lining board comprising a major body portion thereof characterised by a high content of coarsely fibrous material and a void content of the order of 50 per cent of the mass thereof with an air porosity of between about 2 to 6 seconds per 100 cc. and a minor surface portion thereof readily air and water pervious and of a nominal thickness not exceeding about 0.01" and characterized as composed of fiber of the fineness of the order of paper forming fiber.

14. A composite form lining comprising a surfacing portion composed primarily of paper making fibers and a backing portion composed largely of fibers coarser than paper making fibers, each of such portions, air and water porous and such portions mutually coacting to limit the rate of porosity thereof from the surface to that of about 2 to 6 seconds per 100 cc. and the porosity to water to about 1 to 45 minutes for the passage of ½ cc. of water applied to the surface.

Claims 11, 12, and 13 add limitations to the form lining defined in claim 8, the appeal as to which has been dismissed. Should the decision of the Board be reversed, therefore, those claims will have to be reformed.

The application relates to improvements in a composite form lining, in what is commonly known as a concrete form, used in the casting of concrete. The device consists of a backing of fiber insulation board, to which is attached, by an adhesive, a thin porous paper sheet. The insulation board may be

Vol. 626 • Number [illegible] • Tuesday, September 20, 1949 Price $17.50 per year

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of the conventional type, preferably water repellent, but differing somewhat from conventional fiber board in that its preferred density is 0.20 to 0.24, as compared with 0.30 in the ordinary board of that type.

The use of appellant's form lining is said to result in the production of concrete articles having dense smooth surfaces, free of pits, bugholes or protuberances. It is also said that appellant's form material will not become bonded to the concrete mass within the form.

The ordinary insulation board with sizing throughout may be used as a backing provided that one face thereof be treated with a surface tension reducing or wetting agent, employed for the purpose of eliminating the sizing of the surface to which it is applied, so that one surface of board becomes water absorptive and the other surface remains water repellent.

Appellant discloses, as an equivalent to a porous paper sizing sheet, fine asbestos or cotton fiber placed on the water absorptive surface of the backing while it is being manufactured. It is also said that instead of a water soluble adhesive, non-water soluble glues may be used in spots or lines so as not to materially interfere with water absorptiveness.

The Andrews patent relates to box-board or stock used in constructing food containers and the like. There is disclosed in the patent a board comprising an outer layer of kraft paper attached by a water soluble adhesive to a fiber board.

The Heritage et al. patent relates to a liner for cement and concrete forms. The patentee proposes to employ absorptive material as a liner for concrete forms, whereby the excess water of the mass is removed at the surface lying against the mold, resulting in "case-hardening" of the set concrete. The absorptive material may be a common insulating board made of ligno-cellulose fibers, such as wood, cane, cornstalks, and the like. It is said that there are difficulties met in the use of such board, one of which is proper control of absorption of water, release of air bubbles at the form surface, and a bonding of the board to the set concrete. That patent aimed to overcome those difficulties and others. It is said that by the use of the liner of the patent, pits on the surface of the concrete are avoided and adherence of the concrete surface to the mold surface will not result. The patentee states that a particular object of his invention is the providing of a wetting agent in the coating of the form liner. It is noted in the patent that numerous coating materials were found to be successful in preventing bonding between the mold and the concrete, and that to permit penetration of the water exuded from the wet concrete, the coating should be sufficiently incomplete so as to leave pores leading into the board, but sufficiently complete to avoid bonding. The patentee recognized that air bubbles are entrapped in the concrete mass, and that they tend to rise while the material is fluid. He noted that air bubbles on concrete surfaces result in pits. He stated that by reason of many experiments he determined to increase the wettability of the surface of his board by adding wetting agents thereto, so that the formation of pits would be avoided. For that reason, he adds a pronounced wetting agent to the coating composition, so as to form a fiber board lining coated with a viscous dispersion of hydrophilic material. The patentee points out that his wet board stock minimizes penetration of the coating into the board, and states that the drying of the wet stock dries the coating and the board from both sides, and that on shrinking the surface fibers are wholly or partially coated, resulting in a facing in which openings are left to the interior of the board.

The Brooks et al. patent relates to absorptive mold lining used in concrete forms. The lining of the patent comprises a fiber board backing to which a water-permeable facing is secured. The facing may be of woven or knitted fabrics made from water-absorbent textiles, such as cotton, linen, rayon, hemp, jute, paper fiber, and the like. It appears that some of the concrete mix penetrates the facing through the interstices of the fabric. It is stated in the patent that the facing is not necessarily composed of closely woven material, and that wet form lining using burlap and square-woven paper-fiber is satisfactory.

All of the claims were rejected by the Examiner as failing to distinguish patentably over the structure of the Heritage et al. device, it being held that invention was not involved in substituting for the hydrophilic coating of the patent, a facing, such as paper, secured to the fiber board by a water soluble adhesive, as it appears in the Andrews patent.

The Examiner further rejected claims 1, 6, and 11 to 13, inclusive, as unpatentable over the mold lining of the Brooks et al. patent for the stated reason that to provide a wetting agent in that molding was considered obvious in view of the patent to Heritage et al.

Claims 8 and 14 were rejected by the Examiner for the additional reason that in his opinion those claims are not patentable over the structure of Brooks et al., because the fabric sheet facing disclosed in the patent was considered the full equivalent of the fibrous facing disclosed by appellant.

Claims 1 and 8 were further rejected by the Examiner, who held that the term "non-fabric" did not properly define the porous surfacing sheet of the application.

The Board of Appeals agreed with all of the grounds of rejection applied by the Examiner.

In the concrete making art it has long been known that wet concrete, as poured into a form, always contains more water than is necessary for the hydration of the cement, and that particles thereof are practically always surrounded by films of water. When the excess water has been evaporated and the concrete is in its hardened permanent form, it is more or less porous. It has also been known that small air bubbles form near the face of poured concrete, which eventually form pits of various sizes in the concrete surface when the air has disappeared and the water has evaporated. It is obvious that such a rough surface may be in many instances undesirable. It is just as obvious, in our opinion, that workers in the art must have unsuccessfully sought a remedy for that undesirable result in concrete castings, as may be observed from the specifications of the Heritage et al. and the Brooks et al. patents.

Appellant clearly points out in his specification a relatively simple means, which completely solved that problem. For such solution, it was necessary to understand the reason for its existence. He discovered that, in the passage of water from the wet concrete, some of the "very fine cement fines" are suspended in the water as it moves to the surface of the facing sheet of the form lining. With this knowledge in mind, he conceived the idea of placing a film paper sheet adjacent the wet concrete the pores of the paper being so fine that the pulverulent tiny particles of cement were filtered out on the face of the concrete, while the water and air passed through the sheet into the absorbent fiber board. It naturally would follow, he reasoned, that those cement fines, in that part of the concrete, where air and excess water were removed, packed closely together and that the overall result was that the concrete mass was denser and more compact at its surface than elsewhere in its composition. We find nothing in the prior art to indicate anything more than that the problem of producing a smooth concrete face was appreciated. The art is silent as to what appears to us to be the essence of appellant's invention, i. e., a concept that the cement fines suspended in water moving through the surface of the concrete could be stopped at the face of the form lining and kept there so as to produce a smooth, pitless surface while the air and water accompanying the fines would pass through the lining.

[1] An examination of the Heritage et al. patent does not disclose appellant's discovery of the source or cause of the defects in concrete castings. We find nothing in that patent whereby the desirability of filtering the cement fines from the water carrying the same, as it passes through a porous facing sheet and is absorbed by the backing, such as is shown by appellant. The patent does not disclose a laminated or composite sheet. The disclosure is limited to the use of conventional fibrous insulation board, coated with a viscous hydrophilic substance. That substance, which is absorbed in the surface fibers of the sheet of the patent, can not be called a surface layer, such as is defined in the involved claims. It is clear that the patentee had the notion that, by applying the hydrophilic coating to his board, the openings between the surface fibers were adjustable to meet any desired result. It is stated in the specification of the patent that "Control of the coating therefore permits control of the rate of absorption through the surface, neglecting the capacity of the interior fibers, and assuming that to be constant. Such control appears to prolong the plastic stage, so that less pitting might be expected." It is further stated by the patentee that "Protein and the like hydrophilic coats swell rather slowly, and this is advantageous, since the mix may be dehydrated before swelling is complete, and then the pores are wholly or partially closed by the later swelling." It appears to us that in the Heritage et al. construction, the cement fines carried by the water must enter into and become concentrated in the pores of the board.

It is true that the Brooks et al. patent discloses the use of an adhesive to unite a surface sheet to the body sheet of his mold lining. There is no disclosure, however, of a body or backing board faced with a finely fibrous paper. The patent discloses an absorbent body sheet of roofing felt or the like, which has bonded to it a textile or fabric sheet, woven or knitted, such as cotton, linen, rayon, hemp, jute, paper fiber, and the like. As has been heretofore noted, the patent emphasizes that coarsely woven material, such as burlap and square-woven paper-fiber cloth, may be used. The surfacing sheet of the patent can not serve to screen or filter the cement fines from the water by entering the relatively large openings or pores of the facing defined in the patent. We find nothing in the Brooks et al. patent which would suggest to one skilled in the art to substitute appellant's facing sheet for the relatively coarse woven or knitted fabric of the patent. Neither of the patents suggests or indicates, nor can it be inferred therefrom, that the concentration of cement fines at a porous surfacing and backing sheet was the reason underlying the bonding of the form to the concrete or cement mass.

[2] Appellant recognized, attacked, and successfully solved a problem, and from an examination of the cited prior art, either singly or in combination, we are of opinion that it is insufficient to suggest to or teach one skilled in the art what has been done by appellant. *In re Emmy et al.*, 34 CCPA (Patents) 1097, 161 F.2d 754, 74 USPQ 38, 604 O. G. 220; *In re Earle et al.*, 26 CCPA (Patents) 974, 102 F.2d 232, 41 USPQ 24, 505 O. G. 1025.

[3] With respect to the rejection of claims 1 and 3, as not properly defining the porous surfacing of appellant's structure by the use of the term "non-fabric," we can not agree with the tribunals below. In our opinion, a thin foraminous "non-fabric particulate film" which is pervious to air and water, as called for in those claims, is a proper description of the film-like facing disclosed in the application.

[4] Of course anything may be denominated fabric which has been manufactured. Broadly speaking, a locomotive, a pair of shoes, or a mouse trap, under the broad meaning, as contained in the decision, could properly be so denominated. We think that the reasonable meaning to be attached to the use of the term "non-fabric," especially in its context, being coupled with the expression "thin foraminous" and "particulate film surfacing," is capable of no other meaning than that contended for by appellant. The term fabric is defined in Webster's New International Dictionary as, "Anything manufactured—*in modern use, only*, cloth that is woven or knit from fibers, either vegetable or animal; manufactured cloth; a textile fabric; as silks, or other fabrics." [Italics ours.] In Funk and Wagnalls

New Standard Dictionary, the term fabric is defined as "A woven, felted, or knitted material for wear or ornament, as cloth, felt, hosiery or lace; also the material used in its making."

The surfacing sheet, capable of practically removing by filtration the cement fines from the water of the concrete, to our way of thinking, is properly defined in claims 1 and 8. It will not do to segregate the single expression "non-fabric" from its context, as has been done by the tribunals of the Patent Office.

Clearly, no one in the prior art recognized the reason for the surface defects in the casting of cement, and just as certainly no one in the prior art solved the problem.

[5] The appeal with respect to claims 2, 4, 5, 7, 8, 10, and 15 to 17, inclusive, is dismissed, and with respect to claims 1, 3, 6, and 11 to 14, inclusive, for the reasons hereinbefore stated, the decision of the Board of Appeals is reversed.

REVERSED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE JOHNSON

No. 5594. Decided June 28, 1949

[— F.2d —; 82 USPQ 199]

1. PATENTABILITY—DESIGNS—APPEARANCE.
   A design must be judged from its appearance as a whole and to be patentable must possess beauty and originality. The mere fact that all the elements of a design may be old does not prevent the design from being patentable.
2. SAME—SAME—INVENTION.
   It must be evident that the exercise of the inventive faculty was present in the production of a design before a patent will be granted covering the design.
3. SAME—SAME—ATTRACTIVENESS.
   Though the design presented in appellant's application is attractive in its appearance, *Held* that, in view of the disclosures of the art of record and the state of the law, no invention was involved in the production of the design.
4. SAME—PARTICULAR SUBJECT MATTER—DESIGN FOR PLIERS.
   Held that the decision of the Board of Appeals rejecting appellant's application for a patent for an ornamental design for pliers as lacking invention over the cited references, is affirmed.

APPEAL from the Patent Office. Serial No. D-118,833.

AFFIRMED.

Woodling & Krost (*George V. Woodling* and *Bruce B. Krost* of counsel) for Eugene L. Johnson, Jr.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner denying appellant's application for a patent for an alleged new, original, and ornamental design for pliers.

The references are: Kellemen et al., 882,200, Oct. 2, 1906; Seger, 2,070,217, Feb. 9, 1937; Item No. 470, page 92, J. Pritzlaff Hardware Company, 90th Anniversary Catalog, Copyright 1939, Copy in Designs Division.

The single claim in appellant's application reads as follows:

The ornamental design for pliers substantially as shown.

The application discloses pliers having rounded outer surfaces of the jaws with teeth in the gripping portions of the pliers. It clearly appears from the disclosure of the patent to Segar, however, and it is not denied by counsel for appellant, that rounding the angular areas of the jaws of pliers is old in the art. In other respects the shape of the pliers disclosed in the mechanical patent to Kellemen et al. and, in particular, the contour of the pliers, No. 470, illustrated in the cited publication of the Pritzlaff Hardware Company so nearly resemble appellant's design that only a minor difference between them can be discerned, such as a slight variation in the curvature of the end portions of the handles.

The tribunals of the Patent Office held that appellant's design, and the differences between appellant's design and those of the cited references, when considered as a whole, did not constitute invention but was well within the scope of variation expected of the routine designer.

It is contended by appellant that the Patent Office has erred; that patentability lies in the sleek, shapely, and trim appearance throughout his design; that the general and over-all effect thereof presents a pleasing smoothness and balanced appearance; and that he has produced a novel and distinctive design not suggested in the prior art.

[1] A design must bejudged from its appearance as a whole and to be patentable must possess beauty and originality. The mere fact that all the elements of a design may be old does not prevent the design from being patentable. However, the design statute, sec. 4929, R. S. (U. S. C., title 35, sec. 73), provides that "Any person who has invented any new, original, and ornamental design, for an article of manufacture, * * * may, upon payment of the fees required by law and other due proceedings had, the same as in cases of inventions or discoveries covered by section forty-eight hundred and eighty-six, U. S. C., title 35, sec. 31, obtain a patent therefor." [2] Accordingly, the courts have held that it must be evident that the exercise of the inventive faculty was present in the production of a design before a patent will be granted covering the design. See *In re Fred C. Walter*, 17 CCPA (Patents) 982, 39 F.2d 724, 5 USPQ 302, 396 O. G. 706; *In re Walter F. Staun*, 19 CCPA (Patents) 713, 53 F.2d 545, 11 USPQ 80, 414 O. G. 6; *In re Griffith*, 24 CCPA (Patents) 713, 86 F.2d 405, 31 USPQ 383, 474 O. G. 699; *In re Franck*, 30 CCPA (Patents) 1235, 136 F.2d 711, 58 USPQ 479, 556 O. G. 547, and authorities therein cited and reviewed. See also *Smith* v. *Whitman Saddle Company*, 148 U. S. 674, 679, 68 O. G. 912; *J. R. Wood & Sons, Inc.* v. *Abelson's, Inc.*, 74 F.2d 895; *Forestek Plating & Mfg. Co.* v. *Knapp-Monarch Co.*, 106 F.2d 554.

[3] The intent of the Congress in the enactment of the design statute was stated in the decision of this court in the Walter case, supra, to the following effect:

It should be remembered that the purpose of the law authorizing the grant of patents for designs was to give encouragement to the decorative arts, but it was not the purpose to grant a monopoly over a particular design, even if it presents a new and distinctive appearance, if its creation did not involve invention. The decorative arts would be retarded instead of advanced if one without the exercise of the inventive faculty, upon seeing a new article come into common use, could draft designs covering all attractive forms of the article and secure patents for them, thus preventing the use of the article by the public, except in its most unattractive form, unless tribute be paid to him who had secured the patents.

[4] The design presented in appellant's applicatoin is attractive in its appearance but, in view of the disclosures of the art of record and the state of the law, as hereinbefore expressed, the court concludes that no invention was involved in the production of the design. Accordingly, the decision of the Board of Appeals is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

GREGG *v.* COAKWELL, JR.

No. 5597. Decided June 28, 1949

[— F.2d —; 82 USPQ 201]

1. INTERFERENCE—PRIORITY—BURDEN OF PROOF.
   Where the interference involves applications of both appellant and appellee and appellant is the junior party, *Held* that the burden was upon him to establish priority of invention by a preponderance of the evidence.
2. SAME—REDUCTION TO PRACTICE—DILIGENCE.
   Where each party relies upon a constructive reduction to practice, and where appellee admits prior conception by appellant (junior party), *Held* that the sole issue to be considered is whether appellant was reasonably diligent during the critical period, namely, for a time just before appellee's filing date until appellant's filing date.
3. SAME—SAME—SAME—DISCLOSURE TO NAVY DEPARTMENT.
   Held that appellant's disclosure to the Navy Department does not eliminate the necessity of proving diligence on his part nor constitute a constructive reduction to practice.
4. SAME—SAME—SAME—DELAY IN FILING APPLICATION.
   Where there is no satisfactory explanation why appellant failed to file his application for a patent in due course, *Held* that appellant did not sustain the burden of proof required of him as to the exercise of reasonable diligence during the critical period.
5. SAME—PRIORITY—"ANTI-BLACKOUT" DEVICE.
   Held that the decision of the Board of Interference Examiners awarding priority of invention to appellee of the single count in issue relating to an "anti-blackout" device for aircraft pilots, is affirmed.

APPEAL from the Patent Office. Interference No. 82,447.

AFFIRMED.

Herbert L. Davis, Jr., for David Gregg.

Evans & McCoy (*Frank S. Greene* of counsel) for Charles A. Coakwell, Jr.

O'CONNELL, *J.*:

The junior party, Gregg, appeals here from the decision of the Board of Interference Examiners of the United States Patent Office, designated in the certified transcript of the record as the Board of Patent Interferences, awarding priority of invention of the subject matter defined by the single count in issue to appellee, the senior party, Charles A. Coakwell, Jr.

Appellant filed a petition requesting the Board to reconsider its decision. The Board granted the petition but upon reconsideration adhered without change to its original decision.

[1] The interference involves appellant's pending application, No. 460,007, filed September 28, 1942, which has been assigned to the Bendix Aviation Corporation, and appellee's pending application, No. 448,826, filed June 24, 1942, for a patent for a "Blackout-Preventing Device."

Each of the parties relies upon a constructive reduction to practice. Appellant is the junior party by approximately three months and therefore the burden was upon him to establish priority of invention by a preponderance of the evidence. Both parties filed briefs and were represented at final hearing, but only appellant took testimony. The attorney for appellee, however, appeared and cross-examined appellant's witnesses.

[2] Appellee admits prior conception by appellant, but since appellant did not reduce to practice before his filing date, the sole issue to be considered is whether appellant was reasonably diligent during the critical period, namely, for a time just before appellee entered the field on June 24, 1942, until September 28, 1942, when appellant filed his application. *Wilson et al.* v. *Sherts et al.*, 28 CCPA (Patents) 914, 924, 81 F.2d 755, 28 USPQ 379, 467 O. G. 724; *Brown, Jr.* v. *Barton*, 26 CCPA (Patents) 889, 894, 102 F.2d 193, 41 USPQ 99, 505 O. G. 5.

The count reads:

1. The combination, comprising constricting means to be worn about a portion of the body of an occupant of an aircraft, a conduit for conducting a fluid medium under pressure to operate said constricting means, acceleration responsive means for regulating the pressure of said fluid medium so as to increase the constricting force applied by said constricting means during recovery of said aircraft from a diving maneuver, and said constricting means arranged to be positioned about the body of the occupant in such a manner as to retard upon such increase in the constricting force thereof the drainage of blood from the brain of the occupant, whereby during the interval of recovery of the aircraft from said diving maneuver the occupant may be protected from loss of consciousness.

Appellant's device relates to certain new and useful improvements in a valve device and differs from that of appellee, as the Board succinctly pointed out—

The invention herein involved relates to "anti-blackout" devices for pilots of aircraft. When pulling out of a steep dive or making a tight banking maneuver, the blood of the pilot tends to drain out of the brain, resulting in a temporary blindness at a very critical moment. In order to combat this condition the present invention was evolved. The party Coakwell's device applies temporary pressure proportional to the need to the veins in the neck leading

from the brain to block the drain-off, whereas Gregg's device applies the counter pressure further down in the region of the abdomen.

The testimony given by appellant Gregg disclosed that for about seventeen years he was employed as Chief Research Engineer by the Eclipse Aviation Division of the Bendix Aviation Corporation of New Jersey; that on February 24, 1942, shortly after America had entered World War II, he disclosed his invention to David F. Doody, a patent lawyer employed in the patent department of the Bendix Corporation, who on that same day wrote and mailed a letter to the draftsman, Mr. Ford of New York city. In that letter Doody explained the invention, inclosed the sketch thereof made by appellant, and requested Ford to prepare the drawing to be filed with appellant's application for a patent.

Appellant at that time did not, however, prepare or file an application for a patent. Instead, he communicated by telephone and by letter with Fred D. Moller of the Ellsworth Manufacturing Company of New Haven which was already in the field producing anti-blackout equipment for pilots. Appellant also assigned certain employees of the engineering staff of the Bendix Aviation Corporation to make layout and schematic drawings in accordance with his disclosure. In that connection, appellant testified in answer to questions by counsel:

Q153. In the third paragraph of Gregg Exhibit 16, Mr. Moller refers to a "simplified valve." Do you know whose valve Mr. Moller is referring to?

A. I believe that was a valve which Mr. Moller was working on himself.

Q154. For whose use was your "G" valve control inflatable girdle shown in Gregg Exhibit 2 specifically intended?

A. Specifically, the valve was designed for the Ellsworth Manufacturing Company. The use for the valve was for the protection of military pilots or flight personnel.

Before the drawings were completed appellant wrote and mailed a special delivery letter to Moller, dated March 6, 1942, in which appellant stated:

Dear Mr. MOLLER:

Confirming our recent telephone conversations on equipment for your pilots' anti-blackout devices, we have assigned to one of our engineers the job of preparing drawings of the oil separator, "G" valve, differential pressure valve and distributor valve which we would propose submitting for this purpose. These drawings will be available Monday morning and in accordance with our discussion we will mail one set to Mr. Gerhardt at the Bureau of Aeronautics and one set to your attention at your office in New Haven.

We will build one set of this equipment either for you or for the Navy for test purposes without charge and quote a price of $350. per set for an order of twenty-five (25) sets of this equipment. We are, as we have already advised you, absorbing both the experimental costs and a portion of the production costs in order to make possible this price of $350. We believe that we can have one set of experimental equipment ready for your tests within forty-five (45) days and can start delivery on the twenty-five (25) sets within ninety (90) days of the approval of the first set of equipment.

• • • • • • • •

We appreciate very much the opportunity of cooperating with your company and with the Navy Department in this development and hope that we will be successful in receiving an order for the twenty-five (25) sets of units. We will, of course, be only too happy to cooperate with you to the fullest extent in developing this equipment to meet your particular needs.

Very truly yours,

DAVID GREGG,
Chief Research Engineer,
ECLIPSE AVIATION.

The contents of the letter hereinbefore set forth and the contents of other letters hereinafter reproduced have a critical bearing on the question here in issue.

On March 11, 1942, appellant wrote a supplementary letter to Moller in which appellant disclosed the details of his invention and inclosed a copy of the layout and schematic drawings hereinbefore described. Appellant at the same time wrote to the Navy Department and inclosed a copy of the drawings he had sent to Moller, together with a copy of appellant's letter to Moller. To that letter the Navy Department on March 23, 1942, made the following reply, portions of which we here emphasize:

My Dear Mr. GREGG:

The receipt of your letter with the general arrangement drawings of the anti-blackout suit operating equipment is acknowledged with thanks. *From preliminary study, it is believed that your design is basically sound and that the equipment may function satisfactorily in use.*

Equipment of this nature is being obtained by the bureau from the Ellsworth Manufacturing Company, and it is understood from Mr. Moller of that company that you are aware of the present status of proposals. Inasmuch as the entire development is comparatively new, the equipment proposed may be subject to definite improvement, and certainly should lend itself to different or more simplified design. Accordingly, it is believed that an additional set of equipment of your design may be a desirable addition to the test program.

Since the bureau in dealing through the Ellsworth Manufacturing Company as prime contractor for the original contemplated purchase, it is desired that you deal through that company, at least for the time being, keeping the bureau advised of the state of development should a change in policy be warranted.

Your interest in this problem is greatly appreciated, and *you may be assured that the bureau will advise you of any desired features of design that arise in the near future.*

Very truly yours,

E. D. GERHARDT,
Lieutenant (jg) U. S. N. R.
(By direction Chief of Bureau.)

Appellant again wrote the Navy Department on receipt of its letter and stated he would definitely like to cooperate. Moller did not reply to appellant's letter of March 11, 1942, and appellant on March 27, 1942, sent the following reminder:

Dear Mr. MOLLER:

With reference to our letter of March 11, 1942, to you with which we forwarded drawings showing the proposed anti-blackout control unit, a duplicate set of these data was forwarded to the Bureau of Aeronautics, Navy Department, Washington, D. C., under the same date. We have received their letter dated March 21st advising us that they "believe our design to be basically sound and that the equipment may function in use." They also believe that further development toward a more simplified design should be continued and have assured us that they will advise of any desired features of design that arise in the future.

May we have your comments on our letter of March 11th?

With kindest personal regards,

Very truly yours,

DAVID GREGG,
Chief Research Engineer,
ECLIPSE AVIATION.

On May 22, 1942, Moller responded in a letter, referring to a talk which he had had with appellant, and stating:

Dear DAVE:

Many thanks for the photostatic copy of Figure 3 in technical note No. 593 of the National Advisory Committee for Aeronautics.

Since talking with you I have been to Washington, secured approval of our amended contract and we are going ahead with that equipment to be further tested. Hope to arrive at some very definite conclusions in the next four or five weeks and will then be in a position to specify exactly what is required in the way of valve equipment.

We hope to settle on only one type of valve equipment, probably the more simplified unit but there is reason to believe that the other equipment will be adapted for another type of work.

Don't know whether or not you have had time to give this any more thought, but when all the "fooling around" is over, will look forward to sitting down with you and discussing the ultimate requirements.

With kindest personal regards—

Cordially yours,

THE ELLSWORTH MANUFACTURING COMPANY,
FRED MOLLER.

On June 3, 1942, Moller wrote a further letter to appellant and stated:

Dear DAVE:

Just a note to keep you posted on progress and our continued interest in a simplified valve which would give us a gradient of pressure such as I have discussed with you. Everything is progressing nicely and, after spending three days in Washington last week, I am convinced that interest in the equipment is genuine and the anxiety to expedite the entire program will help greatly in cutting through some of the usual "red tape."

The development of a simplified valve to give that gradient of pressure has not been too successful. I am afraid we are going to have to use a rather heavy combination of valves to produce the desired results. If tests during the latter part of July prove this equipment to be as satisfactory as we anticipate, I would like to call on your ingenuity and that of your engineering staff to work out the details of the ultimate valve system unless, of course, something is "pulled out of hat" in this development program down here but, at the moment, it looks rather doubtful.

With all good wishes and personal regards—

Sincerely yours,

THE ELLSWORTH MANUFACTURING COMPANY,
F. D. MOLLER.

FDM:14

P. S. Must go out Wright Field next week. Am wondering if your schedule will be taking you out. If so, we'd have a good chance to talk.

FRED.

Moller's letter of June 3, 1942, appears to have been the last communication relative to the subject matter here in issue, as noted by the following testimony given by appellant:

Q165. What were you led to believe, from the letter June 3, 1942, Gregg Exhibit 16?

A. That sometime during the latter part of July we would be advised by the Ellsworth Manufacturing Company regarding their specific requirements, and would work out the exact details of the valve with them.

Q166. Did you hear anything further?

A. I am not certain whether that is the last letter or not. I think it is.

Q167. Did you check your records?

A. Yes.

Q168. Did you find any other letters?

A. I do not recall any other letter beyond this date.

Q169. After receiving no further word, what did you then do in this matter?

A. We waited until the anticipated time of a reply was past, and, as we heard nothing further from them, we filed a patent application on the device which I had invented.

Q170. Are you the David Gregg the applicant in application File No. 460,007, which is involved in the present Interference?

A. I am.

Upon the evidence hereinbefore recited the Board in awarding priority to appellee made the following decision:

It is considered that the elements of this picture do not add up to reasonable diligence in the critical period of filing an application. The Patent Office drawing was ordered in Gregg's behalf in February, 1942, and the specification excluding the claims need not have involved much amplification over the description sent the draftsman. In other words, since the Patent Office drawing ordered in September, 1942 [February 24, 1942] was going to be the eventual basis of the application, the application could just as well have been filed in March, 1942, as later. While the directions of the Navy may have justified Gregg in relying upon Ellsworth for construction and testing for a short period, its (Ellsworth's) dilatory responses, the fact that it was testing other equipment than Gregg's and the fact known to Gregg (Q. 153, p. 61, G. R.) that it was working on and testing a valve of Moller's should have aroused Gregg to file quickly rather than delay. The noncommittal letter of June 13, 1942 [June 3, 1942] from Moller certainly contained nothing to encourage Gregg to delay filing on the original form conceived by him. It is consequently our considered opinion that Gregg was not reasonably diligent just before the filing date, June 24, 1942, of Coakwell or in the ensuing period to September 22, 1942, when Gregg filed.

The Board in support of its position, among other things, pointed out that appellant's device was comparatively simple, that it would have weighed only a few pounds, was relatively inexpensive, and that Bendix knew it could build the device within 45 days; and, finally, that Bendix had its own patent department which apparently could have filed promptly if it so desired.

This court in considering the question of reasonable diligence made the following holding in the case of *Benjamin W. Jones* v. *Clarence T. Evans*, 18 CCPA (Patents) 866, 874, 46 F.2d 197, 8 USPQ 240, 405 O. G. 841:

The law, while it encourages and requires diligence in reduction to practice and in making application for patent, also admits of such delay in making application for patent as is reasonably required to test the thoroughness and utility of supposed inventions, and to prevent the Patent Office from being overloaded with applications for patents for crude and incomplete devices. Such has been the uniform holding of the Court of Appeals of the District of Columbia, the court having earlier jurisdiction of these matters, a holding in which we concur. *Yates* v. *Huson*, 8 App. D. C. 93; *Griffin* v. *Swenson*, 15 App. D. C. 135; *O'Connell* v. *Schmidt*, 27 App. D. C. 77; *Woods* v. *Poor*, 29 App. D. C. 397, 403.

Matters which may be properly considered in reaching a conclusion as to whether an applicant for a patent has exercised reasonable diligence in filing his application where delay has occurred were stated to the following effect by the Court of Appeals for the District of Columbia in the case of *Callaghan* v. *Gouverneur et al.*, 54 App. D. C. 140, 143, 295 Fed. 961, 322 O. G. 3:

It has been held in cases of this character that there is no arbitrary rule or standard by which diligence may be measured, but each case must be considered and decided in the light of the circumstances of that case; also, that the nature of the invention, the situation of the inventor, the length of time intervening between conception and reduction to practice, the character and reasonableness of the inventor's testimony and that of his witnesses, are all important factors in determining the question of diligence. *Woods* v. *Poor*, 29 D. C. App. 397; *Sargent* v. *Vetter*, 48 App. D. C. 582. It has been said that such diligence does not require uninterrupted effort, nor the concentration of all the applicant's energies upon the single enterprise; that the health, the means, the liberty of the inventor are proper subjects for consideration in this regard; and that the law looks with indulgence upon the delays which arise from the circumstances of parties who may make an invention. *Dickinson* v. *Swinehart*, 49 App. D. C. 222; *Courson* v. *O'Connor*, 227 Fed. 890, 142 C. C. A. 414; Robinson on Patents, vol. 1, p. 547.

Appellee urges that the record is barren of any proof establishing that appellant's device was ever actually reduced to practice by himself, his assignee, or by anyone else; that in appellant's letter of March 6, he and his assignee apparently attempted to shift the expense of testing appellant's device to the Ellsworth Company; that Ellsworth was both dilatory and noncommittal in its replies to appellant; that there is nothing in any of Ellsworth's letters to indicate that Ellsworth had built or intended to build or test any part of appellant's device; that references in the letters of Ellsworth to appellant to talks previously had with appellant are vague and inconclusive; that there is no evidence in the record that Ellsworth ever did produce a successful anti-blackout device, with or without the aid of appellant's suggestions; that appellant and his assignee did nothing toward either an actual or constructive reduction to practice between March 27, 1942, almost three months before appellee's filing

date of June 24, 1942, and for three months thereafter to September 28, 1942, when appellant finally filed the application here involved.

Appellee further urges that there is no evidence in the record that appellant's assignee did not have the material necessary to reduce appellant's invention to practice, but on the contrary the evidence indicates that there was actually no difficulty on the part of appellant and his assignee to build and reduce his invention to practice; and that there is no evidence in the record of any statute, executive order, or Government directive which would have prohibited or even hindered appellant and his assignee from doing the work necessary to reduce appellant's invention to practice, either actual or constructive.

Appellant urges that the Board erred in its decision in that it failed to take judicial notice of the fact that throughout the period intervening between February 24, 1942, when appellant conceived the invention in issue, and September 28, 1942, when appellant filed his application, the United States was engaged in World War II; that the Board failed to give proper weight to the fact that appellant disclosed his invention to the Navy Department prior to the filing date of appellee's application; that the desire expressed in the letter of the Navy Department that appellant should deal through the Ellsworth Company in the testing of his device was in time of war tantamount to a command to appellant from the sovereign power; that accordingly appellant and his assignee were within their rights in considering that whatever was done by the Navy Department, Moller, and the Ellsworth Company must inure to the benefit of appellant, and hence there was no cause "to file quickly" as the Board stated; that Ellsworth's letters were such as would have led a reasonably diligent person to the conclusion that Ellsworth was diligently going ahead with the development of appellant's invention; that during the World War II a situation prevailed wherein the invention defined by the count in issue would be used only by the Government for the protection of its military pilots, dive bombers, and fighter pilots; and that under the circumstances, as stated in appellant's brief, "there is no rule which requires under such circumstances that the inventor rush to the Patent Office during the war period in order to preserve his rights as the first inventor."

[3] Appellant's disclosure to the Navy Department does not under the authorities eliminate the necessity of proving diligence on his part nor constitute a constructive reduction to practice. See *Automatic Weighing Mach. Co.* v. *Pneumatic Scale Corp.*, 166 Fed. 288; *Harper* v. *Zimmermann*, 41 F.2d 261, and authorities therein cited and reviewed. Moreover, it was a matter of common knowledge in patent circles during the recent World War that the armed forces of the Government had stationed experts in the Patent Office to review and appropriate the subject matters of applications which pertained to the conduct of the war.

[4] Appellant was a pilot in the United States Air Corps attached to the Royal Flying Corps with the English Army in 1917–1918 and retained a military rating as an airplane pilot until about 1942 when he resigned his Army commission and accepted a commission in the United States Navy. Such a person might have understood the request of the Navy Department as a command to do nothing to reduce his invention to practice by actual tests thereof. No satisfactory explanation has been offered, however, why appellant failed to file his allowable application for a patent in due course and by that simple expedient secure his rights as first inventor, particularly in view of the statement by the Navy Department that the invention was one of merit. That there was no objection from a military point of view to such procedure is apparent from the fact that appellant did file while the war was still on and a long way from completion.

The cases relied upon by appellant are not controlling for the reason that the factual situations in those cases differ essentially from that disclosed by the record in this case. Moreover, the applicants therein did not have the same high rank in the art as appellant had nor did they have at their command the benefit of an experienced department specializing in patent law.

[5] For the reasons hereinbefore stated, we are compelled to concur in the views expressed in the decision of the Board to the effect that appellant did not sustain the burden of proof required of him as to the exercise of reasonable diligence during the critical period. In view of that conclusion, it is deemed unnecessary to discuss all the points presented by counsel for the respective parties, and the decision of the Board appealed from is accordingly affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE BROUWER

No. 5603. Decided June 28, 1949

[— F.2d —; 82 USPQ 211]

1. PATENTABILITY — METHOD — STEPS MUTUALLY CONTRIBUTE TO RESULT—NOT AGGREGATION.

Where the plurality of steps in the claim are indispensable in producing a result of admitted importance to the art, to which the steps severally contribute, for which the steps are solely and dependently useful, and to which result neither without the other could make the slightest contribution, *Held* that the claim was improperly rejected as being aggregative.

2. SAME — PARTICULAR SUBJECT MATTER — METHOD OF LUBRICATION.

Held that the decision of the Board of Appeals rejecting certain claims for a method of lubricating a sealed antifriction bearing as aggregative, is reversed.

APPEAL from the Patent Office. Serial No. 473,502.

REVERSED AND REMANDED.

John G. Sbarbaro for Rodger D. Brouwer.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in finally rejecting claims 5, 7, and 11, drawn to a bearing structure, for misjoinder with allowed claims 3 and 13, which were drawn to a method of lubricating a bearing, and claims 12 and 14 as aggregations of the subject matter of the allowed claims and the substance of claims 5, 7, and 11, in appellant's application relating to a sealed antifriction bearing and a method of lubricating it.

Two references were cited by the Primary Examiner as illustrative of the classification of the subject matter claimed. They were not mentioned by the Board, and as will hereafter appear, we need not consider them here.

Claims 3, 5, and 14 were considered illustrative by the Board. They read:

3. The method of lubricating an antifriction bearing provided between its race rings with a closure member formed of a resilient imperforate mass of felted fibers, which consists in piercing a small hole through said closure member by a sharp-pointed hollow needle that yieldably presses the fibers aside and passes between the fibers to wipe off the needle and to make for itself a temporary, previously non-existing hole so small that the fibers will resiliently close said hole and again wipe off the needle as the needle is withdrawn from the closure member, and feeding lubricant through said needle into the bearing before the needle is withdrawn.

5. In a device of the character indicated, a pair of bearing members having a lubricant chamber therebetween, a sealing washer composed of an imperforate resilient material closing an end of the lubricant chamber, and a shield carried by one of the bearing members adjacent to said sealing washer and having a through aperture exposing a small area of the sealing washer and accessible at the outside of the bearing whereby a hollow needle may be inserted through said aperture to pierce a hole for itself through the resilient material and deliver lubricant into the lubricant chamber.

14. The method of providing for lubrication of a sealed antifriction bearing of the type wherein the space between the race rings is sealed up by a resilient imperforate sealing washer protected on the outside by a shield, which consists in providing the shield with a small through aperture to expose a small portion of the resilient washer, inserting a sharp-pointed, lubricant conducting needle through the aperture, and thrusting the needle inwardly to pierce for itself a temporary, previously non-existing hole through the resilient washer for injection of lubricant into the bearing, the needle and the pierced hole being so small that the temporary hole will close up and disappear as the needle is withdrawn, the insertion of the sharp-pointed needle wiping off dirt and the withdrawal wiping off lubricant.

Permanently sealed antifriction bearings are widely used in industry. In the course of long usage or under conditions of high bearing temperature the sealed-in lubricant oxidizes and decomposes forming a tar-like deposit which is a cause of subsequent bearing failure.

Bearings of that type are constructed so that yieldable seals of some resilient material such as felt confine the lubricant to the area occupied by the rolling members between the race rings. To hold the deformable seals in position and to protect the bearing from dust, water and other foreign matter, the sides of the bearing are provided with permanently mounted metal seals.

Appellant solved the problem of preventing bearing failure in permanently sealed antifriction bearings due to the cause we have mentioned by providing small openings in the outer metal seal, and inserting therethrough a needle-shaped lubricant-feeding member of a pressure lubricator. The slim needle-like nose of the member pierces the inner seal of resilient material and permits the injection of grease to renew the lubricant therein. When the needle is withdrawn, the resilient imperforate inner seal closes the aperture produced by the needle and the bearing retains its permanently sealed quality. Affidavits of record establish that such a renewal of the bearing lubricant greatly increases the life of the bearing.

The Examiner in the first Office action on the application required division among three groups of claims: I, consisting of the claims directed to a method of lubrication; II, consisting of the claims drawn to the bearing and seal construction; and III, consisting of claims drawn to a pressure lubricator.

Appellant elected not to prosecute the claims of Group III. The Classification Examiner approved the requirement for division between claims of Group I (claims 1–3, 13) and Group II (claims 5, 7, 11) provided claims of the type of claim 12 were subsequently not allowed, stating that the latter claims include the subject matter of the method (Group I claims) and the article (Group II claims). The Classification Examiner supported his decision by saying:

The method of Group I is applicable to any bearing having an imperforate resilient member as defined therein. Insofar as this method is concerned, the specific structure of the bearing and the shield is immaterial. The inventions are thus distinct and are separately classified and searched.

Appellant objected to the requirement for division, but elected to prosecute the claims of Group I, and claims 3 and 13 of that group were allowed. He also retained claims 5, 7, and 11 of Group II on the basis that should they not be allowed to go to issue in the same patent with Group I claims, the requirement for division would be appealed. Appellant added claim 14 to his application by an amendment at the time of his election of Group I, including claims 12 and 14 therein as drawn to a "method of lubricating."

The Examiner made the rejection of claims 5, 7, and 11 final on the basis of misjoinder, and the rejection of claims 12 and 14 final on the basis of aggregation. Claims 5, 7, and 11 were not considered by the Examiner on their merits.

Since the Classification Examiner had conditioned his approval of the requirement for division as between Groups I and II on the non-allowance of claims 12 and 14, the appellant in his appeal to the Board first attacked the Examiner's rejection of those claims, and he makes that the first point before us on appeal.

The Examiner based his rejection of claims 12 and 14 for aggregation on the grounds (1) that they provided in addition to the method of lubricating the bearing, for "providing the shield with a small through aperture" (claim 14), and "making a small aperture through the metal washer" (claim 12) which is a manufacturing step; and (2) that bear-

ings provided with "such a shield" could be lubricated by other methods, as by spraying oil into the openings in the metal outer shield, or by immersing the bearings in a lubricant.

Appellant in his brief before the Board took the position that claims 12 and 14 are each "directed to the method of providing for lubrication" of the bearing, and hence are not aggregations. The Examiner filed a reply to appellant's brief with the Board reiterating his position that the provision of an aperture in the claim with the lubricating process is aggregative.

The Board found no error in that holding stating that the method of "providing for lubrication" refers to the bearing and its manufacture whereas the portion of the claim referring to the insertion of the lubricating needle concerns the lubrication of the bearing.

Before us appellant cites an affidavit of record by Samuel R. Large, inventor of sealed antifriction bearings protected by U. S. Patents 1,917,987 and 1,917,988 to the effect that 81 million sealed antifriction bearings protected by those patents have been sold. Appellant urges that claims 12 and 14 should be considered as describing a method "of treating for lubricating purposes" such assembled bearings, hitherto containing no provision for lubrication after assembly. He contends that applying the method of his claims 12 and 14 to such assembled bearings is all that is necessary to provide for their lubrication, but that all of the steps recited in the claims would be necessary; and that applying that series of steps to such bearings produces a new and useful result while the omission of any step would not. The provision of the aperture in the outer seal is a necessary part of the method, he contends, for without it the insertion of the needle and injection of the lubricant would be impossible.

Finally, appellant states that claims 12 and 14 are merely more limited claims than allowed claims 8 and 13, and "include the preliminary step which is necessary in the case of all sealed-up bearings commercially produced prior to appellant's invention." He cites *Ex parte Carlson*, 68 USPQ 336, a Patent Office Board of Appeals decision (1945) holding that it was error for the Examiner to reject claims as aggregative on the ground that there was no necessary operative relation between a direction card and pitch and bank indicators in a flight indicator device with horizontal and directional gyros in side-by-side relation where the space relation and form of the indicating elements produced the unitary result of indicating the attitude of the aircraft in flight. The Board in that case relied on *Sachs et al. v. Hartford Electric Supply Co.*, (CCA—2d) 47 F.2d 743, where, at page 748, Judge Learned Hand, speaking for the court, said inter alia concerning aggregation,

> The cooperation of the means necessary to create an invention is to be measured by the purpose to be fulfilled, not by the interaction of the parts. Each factor must indeed be a condition to that result, but the whole may be a mere assemblage; the co-operation between them all may be no more than their necessary presence in a unit which shall answer a single purpose. Therefore, we can find little advantage in a discussion of what is or what is not an "aggregation." In patents, as in other branches of the law, the question is of the interests involved; inventions depend upon whether more was required to fill the need than the routine ingenuity of the ordinary craftsman. Such a standard is no more of a will-o'-the-wisp than others which the law adopts, reasonable care, reasonable notice and the like; the effort is to fix that standard by recourse to average propensities, dispositions and capacities. Any attempt to define it in general terms has always proved illusory; it is best to abandon it.

This court has had occasion to consider that case as it concerns the rule on aggregation several times. The cases of *In re Lewis*, 29 CCPA (Patents) 1133, 129 F.2d 560, 54 USPQ 196, 543 O. G. 659, and *In re Herthel*, 26 CCPA (Patents) 1428, 104 F.2d 824, 42 USPQ 85, 509 O. G. 294, quote with approval from the portion of the opinion supplying the matter we have here quoted. *In re Holslag*, 36 CCPA (Patents) 753, 171 F.2d 323, 80 USPQ 139, 620 O. G. 7, decided by a unanimous court this term, comments on the Sachs case "in which the court stated that it is unable to attach a definite meaning to the word 'aggregation' and indicated that the refusal of claims on that ground should be abandoned. That decision, however, cannot be considered controlling here, especially in view of the decision of the United States Supreme Court in the case of *Reckendorfer v. Faber*" (92 U. S. 347, 23 L. Ed. 719), 9 O. G. 71.

The foregoing remarks by this court in *In re Holslag*, should, as the court intended them, be limited in their application to a refusal to go as far as the second circuit seemed to suggest in the Sachs case, viz., abandoning the use of standards such as the rule on aggregation. We plainly have no desire to forfeit the guidance of the clear and excellent exposition of the essence of invention in such cases, as hereinbefore quoted.

The Solicitor refers to appellant's contention that claims 12 and 14 produce the new and unitary result of lubricating bearings produced before his invention, and states that there may be aggregation in a method claim despite the contribution of the steps to a single result, citing *In re Grapp*, 20 CCPA (Patents) 1042, 64 F.2d 376, 17 USPQ 291, 493 O. G. 5, *In re Freeman*, 26 CCPA (Patents) 1265, 104 F.2d 187, 41 USPQ 784, 508 O. G. 290, and *In re Oberwoeger*, 28 CCPA (Patents) 749, 115 F.2d 826, 47 USPQ 455, 523 O. G. 541. In the Grapp case, claim 3 recited a method including steps for the forming of compressed buffer material and placing that material around the filling comprising the body of a mattress. The Examiner had rejected the claim as aggregative. The Board affirmed on the ground that the step drawn to forming the buffer material was not dependent on the use of that material as part of the mattress since that material might have a variety of uses in non-mattress art. The Board also held that the step recited as to the method of applying the buffer material to the body of the mattress was not dependent on how the sheet was formed. The court adopted the Board's view. Here by applying the principle involved in the Grapp case, we think it clear that claims 12 and 14 are not aggregative, for here the step drawn to inserting the lubricating needle is dependent on the making of the aperture in the outer metal seal for inserting the lubricating needle, as there is no other way to provide for the lubrication of the bearing if the hole is not made to admit the needle. The making of the hole has no other possible use than to cooperate with the insertion of the needle in providing for the lubrication of the bearing. In achieving the single result of the claim, both the making of the hole and the insertion of the lubricating needle through that hole and through the felt inner seal are necessary. The quoted language from the Sachs case, supra, and the Grapp case both support a holding that claims 12 and 14 do not merit rejection on the ground of aggregation.

In re Freeman, supra, is a case where the Examiner had divided the claims of the application into five groups and required division between those groups. Claims 37–42 were rejected there by the Examiner as "unpatentable associations of several features." The Board in its first and second decisions therein had interpreted the Examiner's decision as a piecemeal action on the merits, and it thereafter filed a supplementary decision withdrawing its statements to that effect and also withdrawing any inference indicating approval of such a rejection. In its supplemental decision therein, the Board selected claim 40 as representative of claims 37–42, and held that it included a specific improvement in winding and unwinding means set forth in certain Group 1 claims and also specific safety means recited in Groups 4 and 5. The Board considered claims 37—42 as "linking claims" and held that although claim 40 recited the synchronization of the winding means with the movement of the die carriage of the shoe ornamenting machine in suit, any printing machine would provide for synchronization of certain of its parts and therefore the claim could not be regarded as "establishing a patentable cooperation between the winding and unwinding mechanism and the die support and safety means as claimed in different groups." The Board concluded there that the applicant could not introduce and rely on the linking claims to force an action on the merits of groups of claims concerning which the Examiner had required division before an action on the merits and held that when claims 37—42 came again before the Examiner he should consider them without prejudice except insofar as any effect the final decision as to the requirement for division might have on them. The court's decision in that case makes no further reference to claims 37—42 after quoting from the Board's supplementary decision from which quotation the foregoing matter herein concerning those claims has been taken. The court affirmed the requirement for division, and the Solicitor in citing that case here concludes that "The presence of the linking claims did not prevent this court from affirming the * * * requirement of division." We think it important, however, that the Board based its decision on the finding that the relationship of synchronization between the winding means and the safety means was not new in printing machines and therefore no patentable cooperation existed. Here the cooperation of the step of making the hole and the step of inserting the lubricating needle therethrough does not appear of record to be old. It does appear of record that the process of lubricating by insertion of the needle through the inner felt seal is patentable. Despite the quoted statement of the Classification Examiner, despite the Examiner's finding that bearings provided with a metal shield could be lubricated by other methods, and despite the Board's general affirmance of the Examiner's decision, we hold it to be demonstrably clear that appellant's inventive lubrication process is the only effective method appearing of record for the lubrication of such permanently sealed bearings without dimantling them, and it is manifestly impossible for that process to be applied unless provision is made for its application by making the aperture in the metal seal to admit the lubricating needle. Unless the aperture is made in the outer metal seal, access to the inner penetrable felt seal is denied the lubricating needle, frustrating the process, declared by the Patent Office to be inventive, at the threshold of application. Clearly, *In re Freeman*, supra, is no precedent for the rejection of claims 12 and 14 as aggregative.

In re Oberwoeger, supra, is likewise distinguishable from the case at bar. There the Examiner had required division between claims relating to a method of treating the scalp and a method of cleaning the scalp. Claims 2 and 4 embracing both methods were held by the Board and this court as aggregative because there was no necessary relation between the step of cleaning the scalp and the step of applying a treating composition to the scalp. But here, in the instant case, there is a necessary and dependent relation between the step of making the aperture and the step of inserting the lubricating needle. Without the former the latter cannot eventuate. Each without the other is futile. Together they make possible the desirable and important result secured by appellant's invention.

[1] From the foregoing consideration we think it clear that claims 12 and 14 were improperly rejected by the tribunals below as being aggregative. We might agree with the Solicitor that the two claims were added by amendment after the application was filed to serve as "linking claims" in the hope that their allowance would salvage claims 5, 7, and 11 from the requirement for division. Where, however, as here, the plurality of steps in the claim are indispensable in producing a result of admitted importance to the art, to which the steps severally contribute, for which the steps are solely and dependently useful, and to which result neither without the other could make the slightest contribution, we hold that such a hope is well founded and will be realized.

As to claims 5, 7, and 11, the Classification Examiner held that the requirement for division would not stand should claims of the type of claim 12 be found allowable. Likewise, the Solicitor has conceded that if claims 12 and 14 be found to be directed to a legitimate and patentable combination, they overcome the prima facie showing of the in-

dependence of the subject matter of claims 5, 7, and 11 from that of the allowed claims by establishing such a dependence of the two subjects matter heretofore held to be divisible that the two are so closely related as to be claimable in the same application. We so hold, and further support our decision in this regard by reliance on *In re Rundell*, 19 CCPA (Patents) 982, 55 F.2d 450, 12 USPQ 188, 419 O. G. 4; *In re Allatt*, 28 CCPA (Patents) 1367, 121 F.2d 545, 50 USPQ 214, 532 O. G. 767; *In re Krasnow*, 33 CCPA (Patents) 764, 152 F.2d 969, 68 USPQ 210, 585 O. G. 345; Manual of Patent Office Procedure, 8th Ed., 1940, section 11.

The decision of the Board of Appeals is reversed, and as claims 5, 7, and 11 have not as yet received action on the merits, the case is remanded to the Patent Office for further proceedings not inconsistent herewith.

REVERSED AND REMANDED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

NOTICES

Adjudicated Patents

(C. A. Tex.) Huber Patent No. 2,281,694, for a manifold, *Held* invalid. *Wayne* v. *Humble Oil & Refining Co.*, 175 F.2d 230; 81 USPQ 551.

(C. A. Tex.) Wayne Patent No. 2,294,877, for a treatment of drilling fluids, *Held* invalid. *Wayne* v. *Humble Oil & Refining Co.*, 175 F.2d 230; 81 USPQ 551; *Wayne* v. *The Texas Company*, 175 F.2d 234; 81 USPQ 555.

Drawings

Attention is directed to Rule 84 of the Rules of Practice and particularly to section (c) thereof, which states in part:

All drawings must be made with drafting instruments or by photolithographic process which will give them satisfactory reproduction characteristics.

Photolithographic drawings on other than Bristol board (Rule 84a) or photographic drawings on sensitized paper are not in compliance with this rule.

Interference Notice

Bernard Goldstein, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Falchick Dress Co., Inc., 101 W. 37th St., New York, N. Y., for registration of a trade-mark and Registration No. 348,646, issued August 3, 1937, to Bernard Goldstein, 303 Fifth Avenue, New York, N. Y., and the notice of such declaration sent by registered mail to the said Goldstein at the said address having been returned by the post office undeliverable, notice is hereby given that unless Bernard Goldstein, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 25, 1949. *Assistant Commissioner of Patents.*

Classification Bulletins Nos. 177–183

Classification Bulletins containing the definitions of the following patent classes, complete as amended through Classification Order No. 55 of July 18, 1949, are now available and may be obtained from the Commissioner of Patents at the prices indicated.

Class	Title	Bulletin No.	Price
15	Brushing, Scrubbing, and General Cleaning	177	$0.35
40	Card, Picture, and Sign Exhibiting	178	.15
61	Hydraulic and Earth Engineering	179	.10
66	Textiles, Knitting	180	.15
69	Leather Manufactures	181	.10
74	Machine Elements and Mechanisms	182	.55
76	Metal Tools and Implements, Making	183	.10

Cancellation Notice

Donald E. Kastner, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Julep Company, 353 West Grand Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration of Donald E. Kastner, 1550 Broadway, New York, N. Y., No. 338,791, dated September 15, 1936, and the notice of such proceeding sent by registered mail to the said Donald E. Kastner at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kastner, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 24, 1949. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

American Telephone and Telegraph Company has placed all of its United States patents on the Register as available for licenses. A notice with a statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE of Feb. 15, 1949.

In accordance with said notice, listings of the patents began in the GAZETTE of Aug. 16, 1949, and are appearing in succeeding issues as space and time permit. The present listing includes Reg. Nos. 25,125 through 26,344.

Inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

Pat. 2,253,839. Coin Collector Apparatus. Aug. 26, 1941.

Pat. 2,253,856. Relays. Aug. 26, 1941.

Pat. 2,253,863. Coin Collector Apparatus. Aug. 26, 1941.

Pat. 2,254,034. Sound Recording System. Aug. 26, 1941.

Pat. 2,254,036. Phase Control. Aug. 26, 1941.

Pat. 2,254,037. Polarized Relays. Aug. 26, 1941.

Pat. 2,254,205. Signal Transmission Systems. Sept. 2, 1941.

Pat. 2,254,264. Electron Discharge Apparatus. Sept. 2, 1941.

Pat. 2,254,265. Electron Discharge Apparatus. Sept. 2, 1941.

Pat. 2,254,278. Mechanical Amplifiers. Sept. 2, 1941.

Pat. 2,254,281. Tapping Fixture. Sept. 2, 1941.

Pat. 2,254,342. Receiver Selection System. Sept. 2, 1941.

Pat. 2,254,377. Repeater Station. Sept. 2, 1941.

Pat. 2,254,378. Telephone Systems. Sept. 2, 1941.

Pat. 2,254,403. Amplifiers. Sept. 2, 1941.

Pat. 2,254,589. Pulse Delay Relay. Sept. 2, 1941.

Pat. 2,254,601. Automatic Measuring of Cross-Talk. Sept. 2, 1941.

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Pat. 2,254,723. Subscriber Line Circuit. Sept. 2, 1941.

Pat. 2,254,733. Control of Two-Way Telephone Systems. Sept. 2, 1941.

Pat. 2,254,847. Backboards for Supporting Articles. Sept. 2, 1941.

Pat. 2,254,852. Oscillation Generator. Sept. 2, 1941.

Pat. 2,255,510. Terminal Forming and Attaching Apparatus. Sept. 9, 1941.

Pat. 2,255,595. Signaling System. Sept. 9, 1941.

Pat. 2,255,596. Teletypewriter Switching Systems. Sept. 9, 1941.

Pat. 2,255,794. Printing Perforating Telegraph Apparatus. Sept. 16, 1941.

Pat. 2,255,873. Magnetic Bodies. Sept. 16, 1941.

Pat. 2,257,437. Cast Metal Articles. Sept. 30, 1941.

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Pat. 2,257,536. Trays. Sept. 30, 1941.

Pat. 2,257,553. Ribbon Reverse Mechanism. Sept. 30, 1941.

Pat. 2,257,568. Communication Systems. Sept. 30, 1941.

Pat. 2,257,592. Directional Monitoring System. Sept. 30, 1941.

Pat. 2,257,663. Producing Interrupted Alternating Current. Sept. 30, 1941.

Pat. 2,257,677. Printing Telegraph System. Sept. 30, 1941.

Pat. 2,257,683. Ticket Stacking Device. Sept. 30, 1941.

Pat. 2,257,685. Oscillation Generator. Sept. 30, 1941.

Pat. 2,257,783. Guided Wave Transmission. Oct. 7, 1941.

Pat. 2,257,795. Electron Discharge Apparatus and Circuits. Oct. 7, 1941.

Pat. 2,257,806. Echo Suppressing Circuits. Oct. 7, 1941.

Pat. 2,257,882. Telephone Systems. Oct. 7, 1941.

Pat. 2,257,894. Telephone Systems. Oct. 7, 1941.

Pat. 2,257,963. Rod Withdrawing Tool. Oct. 7, 1941.

Pat. 2,258,128. Wave Translating Systems. Oct. 7, 1941.

Pat. 2,258,133. Safety Means. Oct. 7, 1941.

Pat. 2,258,153. Material Unwinding Devices. Oct. 7, 1941.

Pat. 2,258,275. Repeatered Transmission System. Oct. 7, 1941.

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Pat. 2,259,284. Sweep Circuits. Oct. 14, 1941.

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Pat. 2,259,317. Piezoelectric Crystal Apparatus. Oct. 14, 1941.

Pat. 2,259,514. Electromagnetic Devices. Oct. 21, 1941.

Pat. 2,259,528. Crystal Controlled Oscillator for Ultra-High Frequencies. Oct. 21, 1941.

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Pat. 2,260,296. Electrical Filters. Oct. 28, 1941.

Pat. 2,260,313. Cathode Ray Tube. Oct. 28, 1941.

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Pat. 2,260,493. Amplifiers. Oct. 28, 1941.

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Pat. 2,260,709. Television Systems. Oct. 28, 1941.

Pat. 2,260,722. Telephone Systems. Oct. 28, 1941.

Pat. 2,260,860. Handling Strands. Oct. 28, 1941.

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Pat. 2,261,272. Radiant Energy Distance Measuring System. Nov. 4, 1941.

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Pat. 2,261,761. Contacting Fixtures. Nov. 4, 1941.

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Pat. 2,261,783. Weld Testing Apparatus. Nov. 4, 1941.

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Pat. 2,264,396. Power Line Carrier Frequency Telephone System. Dec. 2, 1941.

Pat. 2,264,397. Power Line Carrier Frequency Telephone System. Dec. 2, 1941.

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Pat. 2,265,846. Swivel Connectors. Dec. 9, 1941.

Pat. 2,266,027. Permutation Keyboard Apparatus. Dec. 16, 1941.

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Pat. 2,266,168. Amplifier. Dec. 16, 1941.

Pat. 2,266,416. Control Apparatus. Dec. 16, 1941.

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Pat. 2,267,108. Glass Working Machines. Dec. 23, 1941.

Pat. 2,267,120. Testing Apparatus. Dec. 23, 1941.

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Pat. 2,267,268. High Frequency Transmission System. Dec. 23, 1941.

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Pat. 2,272,432. Electrical Connectors. Feb. 10, 1942.

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Pat. 2,278,633. Temperature Control Apparatus. Apr. 7, 1942.

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Pat. 2,279,115. Material Serving Apparatus. Apr. 7, 1942.

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Pat. 2,282,158. Containers. May 5, 1942.

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Pat. 2,282,394. Telephone Booths. May 12, 1942.

Pat. 2,282,434. Speech Transmission System. May 12, 1942.

Pat. 2,282,437. Speech Transmission System. May 12, 1942.

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Pat. 2,284,755. Coin Collector Apparatus. June 2, 1942.

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Pat. 2,285,181. Glass Working Machines. June 2, 1942.

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Pat. 2,285,794. Control Circuits. June 9, 1942.

Pat. 2,285,796. Gaseous Discharge Devices. June 9, 1942.

Pat. 2,285,815. Signaling Systems. June 9, 1942.

Pat. 2,285,832. Feedback Amplifiers. June 9, 1942.

Pat. 2,285,908. Sender Control System. June 9, 1942.

Pat. 2,285,912. Electric Unbalance Indicator. June 9, 1942.

Pat. 2,285,972. Telephone Systems. June 9, 1942.

Pat. 2,285,985. Step-by-Step Operated Cross-Bar Switch. June 9, 1942.

Pat. 2,286,072. Treatment of Speech Waves for Transmission of Recording. June 9, 1942.

Pat. 2,286,135. Impulse Mechanisms. June 9, 1942.

Pat. 2,286,142. Guard Circuit. June 9, 1942.

Pat. 2,286,240. Refining of Non-Ferrous Metals. June 16, 1942.

Pat. 2,286,241. Refining of Non-Ferrous Metals. June 16, 1942.

Pat. 2,286,248. Printing Telegraph Apparatus. June 16, 1942.

Pat. 2,286,331. Record Sheet Holder. June 16, 1942.

Pat. 2,286,335. Indicators. June 16, 1942.

Pat. 2,286,799. Switching Mechanisms. June 16, 1942.

Pat. 2,286,807. Insulated Electrical Conductors. June 16, 1942.

Pat. 2,286,839. Directive Antenna Systems. June 16, 1942.

Pat. 2,287,077. Volume Range Control in Signal Transmission Systems. June 23, 1942.

Pat. 2,287,105. Electronic Organ. June 23, 1942.

Pat. 2,287,127. Signaling Secrecy System. June 23, 1942.

Pat. 2,287,163. Seals and Joints for Deep-Sea Cables. June 23, 1942.

Pat. 2,287,170. Inductance Devices. June 23, 1942.

Pat. 2,287,174. Relative Phase Measuring Circuit and Method. June 23, 1942.

Pat. 2,287,176. Telephone Coin Collectors. June 23, 1942.

Pat. 2,287,243. Electrical Shielding Apparatus. June 23, 1942.

Pat. 2,287,408. Modulating and Compensating Apparatus. June 23, 1942.

Pat. 2,287,413. Facsimile System. June 23, 1942.

Pat. 2,287,421. Stabilization of Halogenated Compounds. June 23, 1942.

Pat. 2,287,587. Light Modulating Apparatus and Method. June 23, 1942.

Pat. 2,287,664. Article Testing Apparatus. June 23, 1942.

Pat. 2,287,708. Strand Handling Apparatus. June 23, 1942.

Pat. 2,287,881. Telephone Systems. June 30, 1942.

Pat. 2,287,998. Telephone Circuits. June 30, 1942.

Pat. 2,288,025. Automatic Frequency Control System. June 30, 1942.

Pat. 2,288,049. Telephone Set Circuit. June 30, 1942.

Pat. 2,288,241. Protective Device. June 30, 1942.

Pat. 2,288,251. Automatic Toll Switching Telephone System. June 30, 1942.

Pat. 2,288,256. Transmission Through Space Discharge Device. June 30, 1942.

Pat. 2,288,274. Rotatable Units. June 30, 1942.

Pat. 2,288,275. Modulating System. June 30, 1942.

Pat. 2,288,298. Apparatus for Marking Articles. June 30, 1942.

Pat. 2,288,435. Remote Control Apparatus. June 30, 1942.

Pat. 2,288,451. Electric Switches. June 30, 1942.

Pat. 2,288,452. Electric Switches. June 30, 1942.

Pat. 2,288,694. Extracting Energy From a Beam of Velocity Modulated Electrons. July 7, 1942.

Pat. 2,288,695. Electrical Insulated Conductors. July 7, 1942.

Pat. 2,288,811. Switching Devices. July 7, 1942.

Pat. 2,288,817. Oscillation Modulator. July 7, 1942.

Pat. 2,289,048. Power Line Carrier Frequency Telephone System. July 7, 1942.

Pat. 2,289,091. Thermionic Tube Amplifier. July 7, 1942.

Pat. 2,289,156. Electric Discharge Devices. July 7, 1942.

Pat. 2,289,174. Carrier Transmission System. July 7, 1942.

Pat. 2,289,221. Devices for Uniting Articles. July 7, 1942.

Pat. 2,289,252. Material Working Apparatus. July 7, 1942.

Pat. 2,289,253. Strand Twisting Devices. July 7, 1942.

Pat. 2,289,268. Coloring Apparatus. July 7, 1942.

Pat. 2,289,503. Telephone Systems. July 14, 1942.

Pat. 2,289,535. Polishing Apparatus. July 14, 1942.

Pat. 2,289,564. Phase Modulating System. July 14, 1942.

Pat. 2,289,746. Teletypewriter "Answer Back" Circuit. July 14, 1942.

Pat. 2,289,830. Circuit Closing Devices. July 14, 1942.

Pat. 2,289,895. Telephone System. July 14, 1942.

Pat. 2,289,951. Electron Apparatus. July 14, 1942.

Pat. 2,290,148. Supports. July 21, 1942.

Pat. 2,290,673. Article Handling Apparatus. July 21, 1942.

Pat. 2,290,680. Electro-magnetic Coils. July 21, 1942.

Pat. 2,290,986. Key-set Circuit. July 28, 1942.

Pat. 2,290,989. Communication Systems. July 28, 1942.

Pat. 2,291,024. Switching Systems. July 28, 1942.

Pat. 2,291,036. Selecting Systems. July 28, 1942.

Pat. 2,291,040. Switching Systems. July 28, 1942.

Pat. 2,291,224. Selecting Systems. July 28, 1942.

Pat. 2,291,239. Relays. July 28, 1942.

Pat. 2,291,244. Telephone Systems. July 28, 1942.

Pat. 2,291,410. Relay. July 28, 1942.

Pat. 2,291,445. Conditioning Condensers. July 28, 1942.

Pat. 2,291,474. Conveying Trucks. July 28, 1942.

Pat. 2,291,481. Telephone Systems. July 28, 1942.

Re. Pat. 22,475. Telephone System. May 9, 1944. Original Pat. 2,291,481.

Pat. 2,291,555. Wave Transmission. July 28, 1942.

Pat. 2,291,566. Electrical Connecting Devices. July 28, 1942.

Pat. 2,291,615. Telephone Systems. Aug. 4, 1942.

Pat. 2,291,723. Generating Television Signals. Aug. 4, 1942.

Pat. 2,291,752. Selecting Systems. Aug. 4, 1942.

Pat. 2,292,342. Reflecting System for Antennas. Aug. 4, 1942.

Pat. 2,292,358. Deep-Sea Apparatus Housings. Aug. 11, 1942.

Pat. 2,292,371. Repeater Circuits. Aug. 11, 1942.

Pat. 2,292,388. Rochelle Salt Piezoelectric Crystal Apparatus. Aug. 11, 1942.

Pat. 2,292,404. Collateral Control by Tape Slack. Aug. 11, 1942.

Pat. 2,292,489. Counting Device. Aug. 11, 1942.

Pat. 2,292,840. Continuously Folding Strip Materials. Aug. 11, 1942.

Pat. 2,292,851. Strip Feeding Apparatus . Aug. 11, 1942.

Pat. 2,292,864. Apparatus for Feeding Articles. Aug. 11, 1942.

Pat. 2,292,885. Rochelle Salt Piezoelectric Crystal Apparatus. Aug. 11, 1942.

Pat. 2,292,886. Rochelle Salt Piezoelectric Crystal Apparatus. Aug. 11, 1942.

Pat. 2,292,890. Conveyor Controls. Aug. 11, 1942.

Pat. 2,293,077. Telegraph Transmitters. Aug. 18, 1942.

Pat. 2,293,093. Message Differentiation Apparatus. Aug. 18, 1942.

Pat. 2,293,177. Electron Discharge Device Circuits. Aug. 18, 1942.

Pat. 2,293,191. Telephone Systems. Aug. 18, 1942.

Pat. 2,293,203. Automatic Telephone Systems. Aug. 18, 1942.

Pat. 2,293,238. Cutting Tool. Aug. 18, 1942.

Pat. 2,293,258. Acoustic Devices. Aug. 18, 1942.

Pat. 2,293,499. Musical Instrument. Aug. 18, 1942.

Pat. 2,293,519. Modulation of Carrier Frequencies. Aug. 18, 1942.

Pat. 2,293,539. Electron Discharge Devices. Aug. 18, 1942.

Pat. 2,293,567. Electron Discharge Apparatus. Aug. 18, 1942.

Pat. 2,293,570. Amplifier Using Gas-Filled Tube. Aug. 18, 1942.

Pat. 2,293,588. Telephone System. Aug. 18, 1942.

Pat. 2,293,595. Phase Control System. Aug. 18, 1942.

Pat. 2,293,605. Telegraph System. Aug. 18, 1942.

Pat. 2,293,608. Telephone Circuits. Aug. 18, 1942.

Pat. 2,293,611. Telephone System. Aug. 18, 1942.

Pat. 2,293,620. Sender Overload Control. Aug. 18, 1942.

Pat. 2,293,628. Modulating Apparatus. Aug. 18, 1942.

Pat. 2,293,629. Telegraph Systems. Aug. 18, 1942.

Pat. 2,293,720. Suppression of Crosstalk. Aug. 25, 1942.

Pat. 2,293,750. Regulation of Repeater Gain. Aug. 25, 1942.

Pat. 2,293,762. Fuse Alloys. Aug. 25, 1942.

Pat. 2,293,823. Multicontact Relays. Aug. 25, 1942.

Pat. 2,293,869. Signaling Systems. Aug. 25, 1942.

Pat. 2,293,870. Electro-Optical Image Production. Aug. 25, 1942.

Pat. 2,294,053. Refining of Non-Ferrous Metals. Aug. 25, 1942.

Pat. 2,294,114. Electrostatic Scanning. Aug. 25, 1942.

Pat. 2,294,115. Electrostatic Scanning. Aug. 25, 1942.

Pat. 2,294,116. Electrostatic Scanning. Aug. 25, 1942.

Pat. 2,294,180. Television Images. Aug. 25, 1942.

Pat. 2,294,200. Amplifying System. Aug. 25, 1942.

Pat. 2,294,237. Telephone Circuits. Aug. 25, 1942.

Pat. 2,294,327. Electro-Magnetic Relays. Aug. 25, 1942.

Pat. 2,294,337. Telephone Systems. Aug. 25, 1942.

Pat. 2,294,338. Cross-Talk Balancing. Aug. 25, 1942.

Pat. 2,294,436. Printing Telegraph Apparatus. Sept. 1, 1942.

Pat. 2,294,449. Alternating Current Motors. Sept. 1, 1942.

Pat. 2,294,457. Selective Systems. Sept. 1, 1942.

Pat. 2,294,464. Impulse Transmitter. Sept. 1, 1942.

Pat. 2,294,482. Electrical Contacts and Terminal Banks. Sept. 1, 1942.

Pat. 2,294,500. Telephone Systems. Sept. 1, 1942.

Pat. 2,294,905. Power Line Telephone System. Sept. 8, 1942.

Pat. 2,294,907. Telephone Systems. Sept. 8, 1942.

Pat. 2,294,908. Electric Wave System. Sept. 8, 1942.

Pat. 2,294,910. Signaling and Communication System. Sept. 8, 1942.

Pat. 2,294,923. Electric Clock System. Sept. 8, 1942.

Pat. 2,295,014. Tools. Sept. 8, 1942.

Pat. 2,295,153. Two-Way Signal Transmission Systems. Sept. 8, 1942.

Pat. 2,295,171. Telephone Systems. Sept. 8, 1942.

Pat. 2,295,187. Trunk Hunting Circuit. Sept. 8, 1942.

Pat. 2,295,200. Trunk Hunting Circuit. Sept. 8, 1942.

Pat. 2,295,232. Control Apparatus. Sept. 8, 1942.

Pat. 2,295,241. Housing. Sept. 8, 1942.

Pat. 2,295,367. Electrical Connecting Apparatus. Sept. 8, 1942.

Pat. 2,295,390. Electromagnetic Devices. Sept. 8, 1942.

Pat. 2,295,530. Cathode Ray Device. Sept. 15, 1942.

Pat. 2,295,586. Light Sensitive Circuits. Sept. 15, 1942.

Pat. 2,295,589. Gaseous Electron Discharge Device. Sept. 15, 1942.

Pat. 2,295,580. Divided Multiplex Channel System. Sept. 15, 1942.

Pat. 2,295,602. Switching Devices. Sept. 15, 1942.

Pat. 2,295,614. Coin Actuated Devices. Sept. 15, 1942.

Pat. 2,295,666. Adjustable Support for Dial Device. Sept. 15, 1942.

Pat. 2,295,712. Recorder-Reproducer Head. Sept. 15, 1942.

Pat. 2,295,912. Dehydrating and Treating Apparatus. Sept. 15, 1942.

Pat. 2,295,945. Manufacture of Vitreous Enameled Articles. Sept. 15, 1942.

Pat. 2,295,953. Material Handling Apparatus. Sept. 15, 1942.

Pat. 2,295,958. Impregnated Fibrous Materials and Compositions Suitable for Impregnating Materials. Sept. 15, 1942.

Pat. 2,296,102. Cathode Ray Device. Sept. 15, 1942.

Pat. 2,296,310. Telephone Systems. Sept. 22, 1942.

Pat. 2,296,317. Welding Device. Sept. 22, 1942.

Pat. 2,296,346. Electrical Terminal. Sept. 22, 1942.

Pat. 2,296,353. Signal Systems. Sept. 22, 1942.

Pat. 2,296,362. Signaling System. Sept. 22, 1942.

Pat. 2,296,425. Article Handling Apparatus. Sept. 22, 1942.

Pat. 2,296,443. Wire Connector. Sept. 22, 1942.

Pat. 2,296,845. Telegraph Transmitting System. Sept. 29, 1942.

Pat. 2,296,846. Telephone Calling Dial. Sept. 29, 1942.

Pat. 2,296,854. Dielectric Materials. Sept. 29, 1942.

Pat. 2,296,874. Printing Telegraph Apparatus. Sept. 29, 1942.

Pat. 2,296,885. Electron Discharge Devices. Sept. 29, 1942.

Pat. 2,297,672. Voltage Regulator. Sept. 29, 1942.

Pat. 2,297,673. Voltage Regulator. Sept. 29, 1942.

Pat. 2,297,674. Voltage Regulator. Sept. 29, 1942.

Pat. 2,298,034. Antenna Systems. Oct. 6, 1942.

Pat. 2,298,073. Electric Circuit. Oct. 6, 1942.

Pat. 2,298,075. Radio Frequency Oscillator. Oct. 6, 1942.

Pat. 2,298,085. Piezoelectric Oscillators. Oct. 6, 1942.

Pat. 2,298,190. Suppression of Cross-Talk. Oct. 6, 1942.

Pat. 2,298,192. Thermistor Circuits. Oct. 6, 1942.

Pat. 2,298,204. Telephone Systems. Oct. 6, 1942.

Pat. 2,298,205. Telephone Systems. Oct. 6, 1942.

Pat. 2,298,207. Telephone Substation Apparatus. Oct. 6, 1942.

Pat. 2,299,212. Telephone System. Oct. 20, 1942.

Pat. 2,298,225. Permanent Magnet Materials and Production Thereof. Oct. 6, 1942.

Pat. 2,298,236. Terminal Banks. Oct. 6, 1942.

Pat. 2,298,273. Registering Devices. Oct. 13, 1942.

Pat. 2,298,275. Electrical Coil. Oct. 13, 1942.

Pat. 2,298,276. Double Image Facsimile Page Printer. Oct. 13, 1942.

Pat. 2,298,324. Electrical Conductors. Oct. 13, 1942.

Pat. 2,298,428. Transmission Line. Oct. 13, 1942.

Pat. 2,298,440. Coin Collectors. Oct. 13, 1942.

Pat. 2,298,449. Antennas. Oct. 13, 1942.

Pat. 2,298,453. Service Measuring Systems. Oct. 13, 1942.

Pat. 2,298,460. Modulated Oscillator. Oct. 13, 1942.

Pat. 2,298,468. Contact Protection. Oct. 13, 1942.

Pat. 2,298,513. Protective Coatings. Oct. 13, 1942.

Pat. 2,298,519. Telephone Systems. Oct. 13, 1942.

Pat. 2,298,679. Making Resistors and Resistance Materials. Oct. 13, 1942.

Pat. 2,298,695. Selecting Systems. Oct. 13, 1942.

Pat. 2,298,699. Translation Devices. Oct. 13, 1942.

Pat. 2,298,722. Impulse Transmission System. Oct. 13, 1942.

Pat. 2,298,748. Electric Cables. Oct. 13, 1942.

Pat. 2,298,812. Knitting Machines. Oct. 13, 1942.

Pat. 2,298,829. Conveyor Systems. Oct. 13, 1942.

Pat. 2,298,887. Extruding Apparatus. Oct. 13, 1942.

Pat. 2,298,926. Electrical Wave Amplification. Oct. 13, 1942.

Pat. 2,298,930. Phase Distortion Correction. Oct. 13, 1942.

Pat. 2,298,960. Amplification With High Efficiency. Oct. 13, 1942.

Pat. 2,299,047. Electronic Discharge Devices. Oct. 13, 1942.

Pat. 2,299,107. Keyboard Code Printer. Oct. 20, 1942.

Pat. 2,299,203. Telephone Systems. Oct. 20, 1942.

Pat. 2,299,229. Selecting Systems. Oct. 20, 1942.

Pat. 2,299,252. Frequency Detector. Oct. 20, 1942.

Pat. 2,299,260. Energy Translation Utilising Pyro-Electricity. Oct. 20, 1942.

Pat. 2,299,264. Telegraph Signal Repeaters. Oct. 20, 1942.

Pat. 2,299,279. Signaling Systems. Oct. 20, 1942.

Pat. 2,299,479. Signaling Systems. Oct. 20, 1942.

Pat. 2,299,481. Neutralising System. Oct. 20, 1942.

Pat. 2,299,487. Electric Wave Transmission System. Oct. 20, 1942.

Pat. 2,299,518. Strand Handling Apparatus. Oct. 20, 1942.

Pat. 2,299,525. Cross Bar Switching Apparatus. Oct. 20, 1942.

Pat. 2,299,534. Punch and Support Assemblages. Oct. 20, 1942.

Pat. 2,299,539. Device for Handling Articles. Oct. 20, 1942.

Pat. 2,299,664. Telephone Coin Collectors. Oct. 20, 1942.

Pat. 2,299,678. Distributing Apparatus. Oct. 20, 1942.

Pat. 2,299,689. Manufacture of Electrical Conductors. Oct. 20, 1942.

Pat. 2,299,815. Gas Detector. Oct. 27, 1942.

Pat. 2,299,821. Signaling Systems. Oct. 27, 1942.

Pat. 2,299,822. Signaling Systems. Oct. 27, 1942.

Pat. 2,299,854. Telephone Coin Collectors. Oct. 27, 1942.

Pat. 2,299,867. Calibrating Apparatus. Oct. 27, 1942.

Pat. 2,299,897. Signaling Systems. Oct. 27, 1942.

Pat. 2,299,898. Telephone Systems. Oct. 27, 1942.

Pat. 2,299,969. Signaling Arrangement for Telegraph Systems. Oct. 27, 1942.

Pat. 2,299,987. Portable Apparatus for Cleaning Electrical Equipment. Oct. 27, 1942.

Pat. 2,300,003. Selective Signaling System. Oct. 27, 1942.

Pat. 2,300,007. Telegraph System. Oct. 27, 1942.

Pat. 2,300,035. Suspending Aerial Cable. Oct. 27, 1942.

Pat. 2,300,044. Telephone Subscriber's Station. Oct. 27, 1942.

Pat. 2,300,045. Teletypewriter Systems. Oct. 27, 1942.

Pat. 2,300,050. Teletypewriter Control System. Oct. 27, 1942.

Pat. 2,300,075. Piezoelectric Crystal Controlled Oscillator. Oct. 27, 1942.

Pat. 2,300,133. Broad Band Amplifiers. Oct. 27, 1942.

Pat. 2,300,296. Power Plants. Oct. 27, 1942.

Pat. 2,300,316. Private Branch Exchange Systems. Oct. 27, 1942.

Pat. 2,300,320. Reproducing Tone Frequencies. Oct. 27, 1942.

Pat. 2,300,336. Magnetic Alloy of Iron and Aluminum. Oct. 27, 1942.

Pat. 2,300,366. Signal Transmission Systems. Oct. 27, 1942.

Pat. 2,300,371. Switching Devices. Oct. 27, 1942.

Pat. 2,300,415. Transmission Control. Nov. 3, 1942.

Pat. 2,300,429. Protective Circuits for Oscillators. Nov. 3, 1942.

Pat. 2,300,434. Multiplex Telegraph System. Nov. 3, 1942.

Pat. 2,300,436. Phase Modulation. Nov. 3, 1942.

Pat. 2,300,505. Selective Systems. Nov. 3, 1942.

Pat. 2,300,516. Shearing Tool. Nov. 3, 1942.

Pat. 2,300,546. Dispensing Device. Nov. 3, 1942.

Pat. 2,300,618. Branch Exchange. Nov. 3, 1942.

Pat. 2,300,622. Alternating Current Generator. Nov. 3, 1942.

Pat. 2,300,638. Alternating Current Generator. Nov. 3, 1942.

Pat. 2,300,775. Communication System. Nov. 3, 1942.

Pat. 2,300,798. Variable Voice Delay Network Control. Nov. 3, 1942.

Pat. 2,300,829. Calling Line Identification Systems. Nov. 3, 1942.

Pat. 2,300,951. Telephone Systems. Nov. 3, 1942.

Pat. 2,300,984. Table Receptacle. Nov. 3, 1942.

Pat. 2,301,015. Telephone Systems. Nov. 3, 1942.

Pat. 2,301,023. Coupling Network. Nov. 3, 1942.

Pat. 2,301,656. Timing Devices. Nov. 3, 1942.

Pat. 2,301,189. Telephone Set Cords. Nov. 10, 1942.

Pat. 2,301,199. Facsimile System. Nov. 10, 1942.

Pat. 2,301,211. Teletypewriter System. Nov. 10, 1942.

Pat. 2,301,223. Transmission System. Nov. 10, 1942.

Pat. 2,301,245. Transformer Systems. Nov. 10, 1942.

Pat. 2,301,266. Transposing Electrical Conductors. Nov. 10, 1942.

Pat. 2,301,343. Regulated Rectifier. Nov. 10, 1942.

Pat. 2,301,438. Assembling Machines. Nov. 10, 1942.

Pat. 2,301,472. Switching Mechanisms. Nov. 10, 1942.

Pat. 2,301,490. Electronic Discharge Devices. Nov. 10, 1942.

Pat. 2,301,679. Tools. Nov. 10, 1942.

Pat. 2,301,731. Strand Assembling Apparatus. Nov. 10, 1942.

Pat. 2,301,788. Illuminating Apparatus. Nov. 10, 1942.

Pat. 2,301,824. Guard for Coin Gauge. Nov. 10, 1942.

Pat. 2,301,828. Frequency Sensitive Elements. Nov. 10, 1942.

Pat. 2,301,831. Apparatus to Indicate Teletypewriter Skipping. Nov. 10, 1942.

Pat. 2,301,837. Testing Arrangement for Trunks to Community Dial Offices. Nov. 10, 1942.

Pat. 2,301,844. Telegraph Alarm System. Nov. 10, 1942.

Pat. 2,301,853. Cleaning Tool. Nov. 10, 1942.

Pat. 2,301,878. Lamp Mounting Bracket. Nov. 10, 1942.

Pat. 2,301,929. Radio Distance and Altitude Indicating Systems. Nov. 17, 1942.

Pat. 2,301,961. Signaling Systems. Nov. 17, 1942.

Pat. 2,302,000. Switching Mechanisms. Nov. 17, 1942.

Pat. 2,302,024. Method of Cutting. Nov. 17, 1942.

Pat. 2,302,039. Switching Systems. Nov. 17, 1942.

Pat. 2,302,071. Signaling Systems. Nov. 17, 1942.

Pat. 2,302,080. Teletypewriter System. Nov. 17, 1942.

Pat. 2,302,106. Telephone Booths. Nov. 17, 1942.

Pat. 2,302,118. Electron Discharge Devices. Nov. 17, 1942.

Pat. 2,302,128. Counting Device. Nov. 17, 1942.

Pat. 2,302,293. Crosstalk Reduction. Nov. 17, 1942.

Pat. 2,302,334. Telephone Systems. Nov. 17, 1942.

Pat. 2,302,374. Two-Way Signal Transmission System. Nov. 17, 1942.

Pat. 2,302,537. Relay. Nov. 17, 1942.

Pat. 2,302,544. Signaling Systems. Nov. 17, 1942.

Pat. 2,302,546. Electric Switches. Nov. 17, 1942.

Pat. 2,302,554. Radiation Pyrometer. Nov. 17, 1942.

Pat. 2,302,587. Telephone Trunking Systems. Nov. 17, 1942.

Pat. 2,302,758. Article Assembling Apparatus. Nov. 24, 1942.

Pat. 2,302,767. Terminals for Electrical Conductors. Nov. 24, 1942.

Pat. 2,302,813. Clamping Device. Nov. 24, 1942.

Pat. 2,303,015. Emergency Conference Circuit. Nov. 24, 1942.

Pat. 2,303,016. Impulse Counting Circuit. Nov. 24, 1942.

Pat. 2,303,054. Polar Signal Test Transmitter. Nov. 24, 1942.

Pat. 2,303,123. Handling Articles. Nov. 24, 1942.

Pat. 2,303,124. Handling Articles. Nov. 24, 1942.

Pat. 2,303,166. Electron Discharge Devices. Nov. 24, 1942.

Pat. 2,303,174. Photoelectric Tube. Nov. 24, 1942.

Pat. 2,303,193. Alloy. Nov. 24, 1942.

Pat. 2,303,194. Alloy. Nov. 24, 1942.

Pat. 2,303,356. Selecting Systems. Dec. 1, 1942.

Pat. 2,303,375. Rochelle Salt Piezoelectric Crystal Apparatus. Dec. 1, 1942.

Pat. 2,303,377. Communication Systems With Voice-Operated Switching Mechanisms. Dec. 1, 1942.

Pat. 2,303,419. Two-Way Signal Transmission System. Dec. 1, 1942.

Pat. 2,303,474. Electric Switch. Dec. 1, 1942.

Pat. 2,303,485. Bridge-Stabilized Oscillators for Voice Frequency Circuits. Dec. 1, 1942.

Pat. 2,303,497. Duplex Metal Bodies. Dec. 1, 1942.

Pat. 2,303,555. Hot Plate Device. Dec. 1, 1942.

Pat. 2,303,564. Alternating Current Generator. Dec. 1, 1942.

Pat. 2,303,846. Printing Telegraph Apparatus. Dec. 1, 1942.

Pat. 2,303,907. Multichannel Signal Transmission. Dec. 1, 1942.

Pat. 2,303,918. Impulse Transmission. Dec. 1, 1942.

Pat. 2,303,930. Electro-Optical Systems. Dec. 1, 1942.

Pat. 2,303,933. Welding. Dec. 1, 1942.

Pat. 2,303,952. Relay. Dec. 1, 1942.

Pat. 2,303,958. Electrical Resistance Pad Device. Dec. 1, 1942.

Pat. 2,304,017. Carrier Telegraph System. Dec. 1, 1942.

Pat. 2,304,029. Ventilating System for Telephone Booths. Dec. 1, 1942.

Pat. 2,304,044. Voltage Regulation and Rectification. Dec. 1, 1942.

Pat. 2,304,061. Switching Device for Telephone Instruments. Dec. 8, 1942.

Pat. 2,304,105. Printing Telegraph Operations. Dec. 8, 1942.

Pat. 2,304,120. Misselection Indicator. Dec. 8, 1942.

Pat. 2,304,185. Modulating Systems. Dec. 8, 1942.

Pat. 2,304,179. Speech Transmission System. Dec. 8, 1942.

Pat. 2,304,220. Telephone System. Dec. 8, 1942.

Pat. 2,304,238. Cutting Apparatus. Dec. 8, 1942.

Pat. 2,304,248. Liquor Treating Apparatus. Dec. 8, 1942.

Pat. 2,304,295. Printing Telegraph System and Apparatus. Dec. 8, 1942.

Pat. 2,304,545. Wave Transmission Network. Dec. 8, 1942.

Pat. 2,304,569. Telegraph Systems. Dec. 8, 1942.

Pat. 2,304,611. Carrier Wave Signal Transmission Systems. Dec. 8, 1942.

Pat. 2,304,613. Delayed Operation Circuit. Dec. 8, 1942.

Pat. 2,304,649. Material Handling Apparatus. Dec. 8, 1942.

Pat. 2,304,657. Electron Discharge Device. Dec. 8, 1942.

Pat. 2,304,667. Electrical Condensers. Dec. 8, 1942.

Pat. 2,304,856. Electrical Transmission System. Dec. 15, 1942.

Pat. 2,304,899. Die Casting Machines. Dec. 15, 1942.

Pat. 2,304,926. Severing Glass Tubing. Dec. 15, 1942.

Pat. 2,304,927. Assembling Apparatus. Dec. 15, 1942.

Pat. 2,305,199. Tape Transmitters. Dec. 15, 1942.

Pat. 2,305,316. Switching Mechanisms. Dec. 15, 1942.

Pat. 2,305,320. Material Handling Apparatus. Dec. 15, 1942.

Pat. 2,305,450. Relays. Dec. 15, 1942.

Pat. 2,305,473. Joining Hollow Bodies. Dec. 15, 1942.

Pat. 2,305,478. Carbonizing Electrodes. Dec. 15, 1942.

Pat. 2,305,496. Radio Broadcasting System. Dec. 15, 1942.

Pat. 2,305,659. Magnetic Charging Apparatus. Dec. 22, 1942.

Pat. 2,305,686. Electromagnetic Cores. Dec. 22, 1942.

Pat. 2,306,067. Telephone Systems. Dec. 22, 1942.

Pat. 2,306,068. Call Transmitter. Dec. 22, 1942.

Pat. 2,306,087. Key Pulsing Register Circuit. Dec. 22, 1942.

Pat. 2,306,164. Extrusion Device. Dec. 22, 1942.

Pat. 2,306,173. Telephone Systems. Dec. 22, 1942.

Pat. 2,306,203. Holding Circuit for Subscribers' Stations. Dec. 22, 1942.

Pat. 2,306,214. Telegraph System. Dec. 22, 1942.

Pat. 2,306,220. Calling Key Testing Apparatus. Dec. 22, 1942.

Pat. 2,306,231. Coupling Apparatus for Vehicles. Dec. 22, 1942.

Pat. 2,306,236. Telephone Systems. Dec. 22, 1942.

Pat. 2,306,267. Magnetic Dial. Dec. 22, 1942.

Pat. 2,306,282. Tuning Arrangement for Cavity Resonator. Dec. 22, 1942.

Pat. 2,306,404. Space Discharge Relays. Dec. 29, 1942.

Pat. 2,306,435. Frequency Compression. Dec. 29, 1942.

Pat. 2,306,504. Woven Wire Resistance. Dec. 29, 1942.

Pat. 2,306,513. Impedance Device. Dec. 29, 1942.

Pat. 2,306,581. Telephone Coin Collectors. Dec. 29, 1942.

Pat. 2,306,689. Voice Operated Switching Circuit for Two-Way Telephony. Dec. 29, 1942.

Pat. 2,306,701. Combined Telephone and Telegraph Cord and Attendants' Circuits. Dec. 29, 1942.

Pat. 2,306,707. Audiphone. Dec. 29, 1942.

Pat. 2,306,729. Signaling Systems. Dec. 29, 1942.

Pat. 2,306,732. Molding Fixture. Dec. 29, 1942.

Pat. 2,306,734. Party Line Printing Telegraph Systems. Dec. 29, 1942.

Pat. 2,306,852. Vibration Damping Means for Rotating Members. Dec. 29, 1942.

Pat. 2,306,862. Television Remote Control. Dec. 29, 1942.

Pat. 2,306,882. Selective Systems. Dec. 29, 1942.

Pat. 2,306,909. Piezoelectric Crystal Apparatus. Dec. 29, 1942.

Pat. 2,307,140. Coin Operated Devices. Jan. 5, 1943.

Pat. 2,307,155. Polarized Relays. Jan. 5, 1943.

Pat. 2,307,226. Telephone Calling Dial Device. Jan. 5, 1943.

Pat. 2,307,237. Telegraph Signal Distortion Measuring Apparatus and System. Jan. 5, 1943.

Pat. 2,307,383. Safety Switch Apparatus. Jan. 5, 1943.

Pat. 2,307,417. Receiving Circuits for Signaling Systems. Jan. 5, 1943.

Pat. 2,307,463. Telephone Calling Dial Device. Jan. 5, 1943.

Pat. 2,307,521. Call Transmitter. Jan. 5, 1943.

Pat. 2,307,525. Call Transmitter. Jan. 5, 1943.

Pat. 2,307,537. Telephone Call Transmitter. Jan. 5, 1943.

Pat. 2,307,660. Indicator. Jan. 5, 1943.

Pat. 2,307,681. Hoisting Apparatus. Jan. 5, 1943.

Pat. 2,307,728. Signaling System. Jan. 5, 1943.

Pat. 2,307,825. Scanning Sound-Film Control Tracks. Jan. 12, 1943.

Pat. 2,307,834. Signaling Systems. Jan. 12, 1943.

Pat. 2,307,842. Teletypewriter System. Jan. 12, 1943.

Pat. 2,307,868. Binary Counter. Jan. 12, 1943.

Pat. 2,307,884. Tool for Applying Cushions to Plugs and Cords. Jan. 12, 1943.

Pat. 2,307,896. Indicating Circuit Faults in Transmission Systems. Jan. 12, 1943.

Pat. 2,307,900. Sag Equalising Device. Jan. 12, 1943.

Pat. 2,307,901. Gain Control Systems. Jan. 12, 1943.

Pat. 2,307,922. Electromagnetic Devices. Jan. 12, 1943.

Pat. 2,307,925. Wire Coating Apparatus. Jan. 12, 1943.

Pat. 2,307,989. Sound Signals. Jan. 12, 1943.

Pat. 2,308,360. Light Modulating Apparatus and Method. Jan. 12, 1943.

Pat. 2,308,381. Two-Way Television Transmission. Jan. 12, 1943.

Pat. 2,308,388. Elimination of Bias in Teletypewriter Receiving Magnet. Jan. 12, 1943.

Pat. 2,308,518. Keyboard Perforator Transmitter. Jan. 19, 1943.

Pat. 2,308,523. Electron Discharge Devices. Jan. 19, 1943.

Pat. 2,308,539. Telegraph Transmitters. Jan. 19, 1943.

Pat. 2,308,543. Tape Perforator. Jan. 19, 1943.

Pat. 2,308,554. Printing Telegraph Apparatus. Jan. 19, 1943.

Pat. 2,308,606. Making Solder Connections. Jan. 19, 1943.

Pat. 2,308,634. Coin Chutes. Jan. 19, 1943.

Pat. 2,308,637. Telephone Systems. Jan. 19, 1943.

Pat. 2,308,697. Centrifuge. Jan. 19, 1943.

Pat. 2,308,703. Cutting Apparatus. Jan. 19, 1943.

Pat. 2,308,713. Shipping Element. Jan. 19, 1943.

Pat. 2,308,722. Article Assembling Apparatus. Jan. 19, 1943.

Pat. 2,308,800. Electron Discharge Devices. Jan. 19, 1943.

Pat. 2,308,827. Acoustic Wave Filter Panel. Jan. 19, 1943.

Pat. 2,308,869. Acoustic Wall Panel. Jan. 19, 1943.

Pat. 2,308,886. Acoustic Wave Filter. Jan. 19, 1943.

Pat. 2,308,997. Electric Wave Translation. Jan. 19, 1943.

Pat. 2,309,019. Electron Discharge Device Circuits. Jan. 19, 1943.

Pat. 2,309,044. Testing System. Jan. 19, 1943.

Pat. 2,309,081. Electrically Conductive Device. Jan. 26, 1943.

Pat. 2,309,220. Electron Discharge Devices. Jan. 26, 1943.

Pat. 2,309,422. Circuit Controlling Device for Electrical Switching Apparatus. Jan. 26, 1943.

Pat. 2,309,467. Rochelle Salt Piezoelectric Crystal Apparatus. Jan. 26, 1943.

Pat. 2,309,490. Electric Measuring Apparatus. Jan. 26, 1943.

Pat. 2,309,525. Electric Signaling. Jan. 26, 1943.

Pat. 2,309,537. Key Action Mechanism. Jan. 26, 1943.

Pat. 2,309,586. Static Frequency Changing System. Jan. 26, 1943.

Pat. 2,309,688. Ticket Printer. Feb. 2, 1943.

Pat. 2,309,703. Alternating Current Generator. Feb. 2, 1943.

Pat. 2,309,705. Carrier Wave Signaling. Feb. 2, 1943.

Pat. 2,309,945. Polarized Relays. Feb. 2, 1943.

Pat. 2,309,953. Electric Switches. Feb. 2, 1943.

Pat. 2,310,034. Signaling System. Feb. 2, 1943.

Pat. 2,310,048. Vibration Translating System. Feb. 2, 1943.

Pat. 2,310,049. Sound Record and Reproducing System. Feb. 2, 1943.

Pat. 2,310,129. Printing Telegraph Apparatus. Feb. 2, 1943.

Pat. 2,310,279. Telegraph System. Feb. 9, 1943.

Pat. 2,310,335. Electrical Apparatus. Feb. 9, 1943.

Pat. 2,310,357. Adjustable Cam-Like Control Apparatus. Feb. 9, 1943.

Pat. 2,310,417. Pneumatic Ticket Sending and Receiving Valve. Feb. 9, 1943.

Pat. 2,310,428. Automatic Teletypewriter Operation. Feb. 9, 1943.

Pat. 2,310,452. Switching System. Feb. 9, 1943.

Pat. 2,310,634. Communication System. Feb. 9, 1943.

Pat. 2,310,637. Coin Chutes. Feb. 9, 1943.

Pat. 2,310,695. Oscillating System. Feb. 9, 1943.

Pat. 2,310,749. Signaling Systems. Feb. 9, 1943.

Pat. 2,310,774. Wiring Fixture. Feb. 9, 1943.

Pat. 2,310,820. Magnetic Cores. Feb. 9, 1943.

Pat. 2,310,966. Printing Telegraph Apparatus. Feb. 16, 1943.

Pat. 2,310,967. Printing Telegraph Apparatus. Feb. 16, 1943.

Pat. 2,311,751. Telephone Coil Collectors. Feb. 23, 1943.

Pat. 2,311,776. Soldering Device. Feb. 23, 1943.

Pat. 2,311,796. Modulation of Carrier Frequencies. Feb. 23, 1943.

Pat. 2,311,800. Communication System. Feb. 23, 1943.

Pat. 2,311,801. Thermal Time Delay Relays. Feb. 23, 1943.

Pat. 2,311,807. Electron Discharge Device Circuits. Feb. 23, 1943.

Pat. 2,312,206. Reducing Halo From Fluorescent Screens. Feb. 23, 1943.

Pat. 2,312,314. Ribbon Shifting Mechanism. Mar. 2, 1943.

Pat. 2,312,316. Facsimile Page Printer. Mar. 2, 1943.

Pat. 2,312,317. Facsimile Page Printer. Mar. 2, 1943.

Pat. 2,312,386. Spray Booths. Mar. 2, 1943.

Pat. 2,312,408. Contact Spring Assembly. Mar. 2, 1943.

Pat. 2,312,448. Strand Handling Apparatus. Mar. 2, 1943.

Pat. 2,312,498. Signal Translating Apparatus. Mar. 2, 1943.

Pat. 2,312,566. Telephone Calling Dial Device. Mar. 2, 1943.

Pat. 2,312,672. Switching Devices. Mar. 2, 1943.

Pat. 2,312,723. Electron Discharge Devices. Mar. 2, 1943.

Pat. 2,312,724. Signaling System. Mar. 2, 1943.

Pat. 2,312,962. Relays. Mar. 2, 1943.

Pat. 2,312,932. Variable Condenser. Mar. 2, 1943.

Pat. 2,312,954. Observer Controlled Television System. Mar. 2, 1943.

Pat. 2,313,410. Preparation of Boron Compositions. Mar. 9, 1943.

Pat. 2,313,471. Metallic Telephone Booth. Mar. 9, 1943.

Pat. 2,313,516. Testing Apparatus. Mar. 9, 1943.

Pat. 2,313,525. Article Forming Apparatus. Mar. 9, 1943.

Pat. 2,313,584. Wire. Mar. 9, 1943.

Pat. 2,313,809. Contact Protection Devices. Mar. 16, 1943.

Pat. 2,313,819. Electron Discharge Apparatus. Mar. 16, 1943.

Pat. 2,313,842. Steatite Type Ceramic Material. Mar. 16, 1943.

Pat. 2,314,132. High Frequency Amplifier. Mar. 16, 1943.

Pat. 2,314,138. Thread Tapping Apparatus. Mar. 16, 1943.

Pat. 2,314,154. Work Feeding Apparatus. Mar. 16, 1943.

Pat. 2,314,166. Mixing Apparatus. Mar. 16, 1943.

Pat. 2,314,168. Strand Handling Apparatus. Mar. 16, 1943.

Pat. 2,314,187. Signaling Systems. Mar. 16, 1943.

Pat. 2,314,229. Signaling Systems. Mar. 16, 1943.

Pat. 2,314,409. Magnetic Coil Structure. Mar. 23, 1943.

Pat. 2,314,422. Carrier Wave Production and Control. Mar. 23, 1943.

Pat. 2,314,471. Two-Way Television and Speech Television. Mar. 23, 1943.

Pat. 2,314,518. Telephone Systems. Mar. 23, 1943.

Pat. 2,314,739. Electrical Circuits Employing Grid Controlled Gas Discharge Tubes. Mar. 23, 1943.

Pat. 2,314,801. Telephone Call Transmitters. Mar. 23, 1943.

Pat. 2,314,816. Desulphurising Carbon Coated Metals. Mar. 23, 1943.

Pat. 2,314,851. Power Factor Measuring System. Mar. 23, 1943.

Pat. 2,314,938. Signal Translating Devices. Mar. 30, 1943.

Pat. 2,314,960. Producing Television Images. Mar. 30, 1943.

Pat. 2,314,961. Telephone Systems. Mar. 30, 1943.

Pat. 2,315,000. Telephone Systems. Mar. 30, 1943.

Pat. 2,315,040. Electric Wave Amplification. Mar. 30, 1943.

Pat. 2,315,073. Electric Circuits. Mar. 30, 1943.

Pat. 2,315,283. Generating Television Signals. Mar. 30, 1943.

Pat. 2,315,290. Generating Television Signals. Mar. 30, 1943.

Pat. 2,315,291. Generating Television Signals. Mar. 30, 1943.

Pat. 2,315,312. Electron Discharge Device Circuits. Mar. 30, 1943.

Pat. 2,315,344. Call Transmitter. Mar. 30, 1943.

Pat. 2,315,383. Locating Transmission Faults. Mar. 30, 1943.

Pat. 2,315,413. Teletypewriter Selection System. Mar. 30, 1943.

Pat. 2,315,419. Telegraph Breaking System. Mar. 30, 1943.

Pat. 2,315,426. Solder Pellet Caster Device. Mar. 30, 1943.

Pat. 2,315,434. Transmission System. Mar. 30, 1943.

Pat. 2,315,435. Transmission System. Mar. 30, 1943.

Pat. 2,315,439. Teletypewriter Systems. Mar. 30, 1943.

Pat. 2,315,442. Negative Feedback Detectors. Mar. 30, 1943.

Pat. 2,315,445. Regulated Rectifier Circuit. Mar. 30, 1943.

Pat. 2,315,450. Locating Transmission Faults. Mar. 30, 1943.

Pat. 2,315,456. Call Indicator. Mar. 30, 1943.

Pat. 2,315,586. Tools. Apr. 6, 1943.

Pat. 2,315,613. Poly-Hexahydro-Hydroquinone Sebacate. Apr. 6, 1943.

Pat. 2,315,621. Electron Camera. Apr. 6, 1943.

Pat. 2,315,645. Coating Strands. Apr. 6, 1943.

Pat. 2,315,705. Testing and Selecting Systems. Apr. 6, 1943.

Pat. 2,315,720. Electrical Connecting Device. Apr. 6, 1943.

Pat. 2,315,733. Impulse Repeater. Apr. 6, 1943.

Pat. 2,315,904. Arbor Chucking Device. Apr. 6, 1943.

Pat. 2,315,910. Method of and Means for Making Rollers. Apr. 6, 1943.

Pat. 2,316,044. Electronic Apparatus. Apr. 6, 1943.

Pat. 2,316,067. Threading Rolling Mills. Apr. 6, 1943.

Pat. 2,316,491. Gas Handling Apparatus. Apr. 13, 1943.

Pat. 2,316,508. Strand Handling Apparatus. Apr. 13, 1943.

Pat. 2,316,579. Removing Metal Coatings From a Base. Apr. 13, 1943.

Pat. 2,316,609. Article Supporting Racks. Apr. 13, 1943.

Pat. 2,316,613. Strand Handling Apparatus. Apr. 13, 1943.

Pat. 2,316,795. Keyboard Perforator. Apr. 20, 1943.

Pat. 2,317,113. Control Systems for Machines. Apr. 20, 1943.

Pat. 2,317,191. Telephone Systems. Apr. 20, 1943.

Pat. 2,317,222. Electron Discharge Devices. Apr. 20, 1943.

Pat. 2,317,294. Magnetic Material. Apr. 20, 1943.

Pat. 2,317,295. Permanent Magnets and Process of Production. Apr. 20, 1943.

Pat. 2,317,469. Switching Devices. Apr. 27, 1943.

Pat. 2,317,471. Selection Systems. Apr. 27, 1943.

Pat. 2,317,482. Wave Generating Systems. Apr. 27, 1943.

Pat. 2,317,665. Mountings for Electrical Apparatus. Apr. 27, 1943.

Pat. 2,317,695. Electric Switches. Apr. 27, 1943.

Pat. 2,317,743. Switching Mechanisms. Apr. 27, 1943.

Pat. 2,317,783. Timing Arrangement. Apr. 27, 1943.

Pat. 2,317,836. Safety Apparatus. Apr. 27, 1943.

Pat. 2,317,995. Selective Signaling Systems and Apparatus. May 4, 1943.

Pat. 2,318,026. Printing Telegraph Apparatus. May 4, 1943.

Pat. 2,318,050. Cutting Apparatus. May 4, 1943.

Pat. 2,318,138. Sound Recorder Monitoring Means. May 4, 1943.

Pat. 2,318,159. Panel Selectors. May 4, 1943.

Pat. 2,318,163. Printing Telegraph Apparatus. May 4, 1943.

Pat. 2,318,383. Switch Wiper Spring and Method of Replacement Thereof. May 4, 1943.

Pat. 2,318,396. Cross-Arm Reenforcement. May 4, 1943.

Pat. 2,318,405. Relays. May 4, 1943.

Pat. 2,318,410. Coin Chutes. May 4, 1943.

Pat. 2,318,418. Electron Discharge Devices. May 4, 1943.

Pat. 2,318,423. Electron Discharge Devices. May 4, 1943.

Pat. 2,318,479. Control Apparatus. May 4, 1943.

Pat. 2,318,508. Material Feeding Apparatus. May 4, 1943.

Pat. 2,318,533. Heating Material. May 4, 1943.

Pat. 2,318,662. Vacuum Tube Amplifying Apparatus. May 11, 1943.

Pat. 2,318,723. Communication Switching System. May 11, 1943.

Pat. 2,319,032. Prepayment Coin Box Systems. May 11, 1943.

Pat. 2,319,036. Two-Color Ribbon Mechanism. May 11, 1943.

Pat. 2,319,084. Safety Devices. May 11, 1943.

Pat. 2,319,087. Electric Organ Keying System. May 11, 1943.

Pat. 2,319,263. Multiplex Extensor. May 18, 1943.

Pat. 2,319,306. Signaling Systems. May 18, 1943.

Pat. 2,319,321. Magnetic Dial. May 18, 1943.

Pat. 2,319,333. Service Observing Systems. May 18, 1943.

Pat. 2,319,198. Apparatus for Slitting and Cutting Conductors. May 18, 1943.

Pat. 2,319,339. Signaling Systems. May 18, 1943.

Pat. 2,319,357. Variable Air-Gap Crystal Holders. May 18, 1943.

Pat. 2,319,358. Through Supervision System. May 18, 1943.

Pat. 2,319,424. Telephone Systems. May 18, 1943.

Pat. 2,319,717. Transmission Control in Two-Way Signal Wave Transmission System. May 18, 1943.

Pat. 2,319,744. Shielding for Communication Circuits. May 18, 1943.

Pat. 2,319,754. Electrical Contacting Devices. May 18, 1943.

Pat. 2,319,838. Dielectric Materials. May 25, 1943.

Pat. 2,319,937. Switching Contacts. May 25, 1943.

Pat. 2,319,940. Gravitational Force Measuring Apparatus. May 25, 1943.

Pat. 2,319,965. Variable Frequency Bridge Stabilised Oscillator. May 25, 1943.

Pat. 2,320,076. Selecting Systems. May 25, 1943.

Pat. 2,320,080. Piezoelectric Crystal Elements. May 25, 1943.

Pat. 2,320,081. Telephone Systems. May 25, 1943.

Pat. 2,320,120. Electron Discharge Device. May 25, 1943.

Pat. 2,320,121. Piezoelectric Crystal Apparatus. May 25, 1943.

Pat. 2,320,170. Cushion Mounting for Electrical Apparatus. May 25, 1943.

Pat. 2,320,175. Testing Resonant Networks. May 25, 1943.

Pat. 2,320,237. Voltage Regulators. May 25, 1943.

Pat. 2,320,246. Apparatus for Treating a Strand. May 25, 1943.

Pat. 2,320,254. Switching Mechanisms. May 25, 1943.

Pat. 2,320,258. Switching Mechanisms. May 25, 1943.

Pat. 2,320,360. Quick-Change Device. June 1, 1943.

Pat. 2,320,407. Retractile Wheel Assembly. June 1, 1943.

Pat. 2,320,433. Telephone Transmitter. June 1, 1943.

Pat. 2,320,434. Electric Motor Control System. June 1, 1943.

Pat. 2,320,726. Telephone Station Equipment. June 1, 1943.

Pat. 2,320,734. Switching Mechanism. June 1, 1943.

Pat. 2,320,756. Electronic Device. June 1, 1943.

Pat. 2,320,938. Gauge. June 1, 1943.

Pat. 2,320,943. Telephone Systems. June 1, 1943.

Pat. 2,320,957. Telephone Signaling System. June 1, 1943.

Pat. 2,320,963. Phase Modulation. June 1, 1943.

Pat. 2,320,997. Communication System. June 8, 1943.

Pat. 2,321,071. Assembling Dry Rectifiers and the Like With Solder. June 8, 1943.

Pat. 2,321,096. Strand Handling Apparatus. June 8, 1943.

Pat. 2,321,103. Electrical Circuits. June 8, 1943.

Pat. 2,321,349. Telegraph System. June 8, 1943.

Pat. 2,321,372. Telegraphic Auction Systems. June 8, 1943.

Pat. 2,321,382. Teletypewriter Switching System. June 8, 1943.

Pat. 2,321,392. Telegraph Station Break-In System. June 8, 1943.

Pat. 2,321,412. Dial Controlled Signaling System. June 8, 1943.

Pat. 2,321,415. Conduit System. June 8, 1943.

Pat. 2,321,418. Teletypewriter Numbering System. June 8, 1943.

Pat. 2,321,618. Space Discharge Oscillating Relays. June 15, 1943.

Pat. 2,321,619. Start-Stop Repeater Apparatus. June 15, 1943.

Pat. 2,321,707. Material Working Apparatus. June 15, 1943.

Pat. 2,321,710. Relays. June 15, 1943.

Pat. 2,321,714. Telephone Systems. June 15, 1943.

Pat. 2,321,723. Speech Transmission System. June 15, 1943.

Pat. 2,321,727. Insulating Finish for Apparatus Cases. June 15, 1943.

Pat. 2,321,731. Repairs and Joints in Cable Sheath. June 15, 1943.

Pat. 2,321,758. Telephone System. June 15, 1943.

Pat. 2,321,806. Process of Heat Treating. June 15, 1943.

Pat. 2,321,886. Electron Discharge Devices. June 15, 1943.

Pat. 2,321,907. Blower Device. June 15, 1943.

Pat. 2,321,912. Electron Discharge Apparatus. June 15, 1943.

Pat. 2,321,986. Noise Reduction in Telephone Transmission Systems. June 15, 1943.

Pat. 2,321,997. Electrolytic Condenser. June 15, 1943.

Pat. 2,322,278. Esters of Mononitriles of Dicarboxylic Acids. June 22, 1943.

Pat. 2,322,292. Bearing Structures for Relays and the Like. June 22, 1943.

Pat. 2,322,330. Telephone Systems. June 22, 1943.

Pat. 2,322,353. Dielectric Material. June 22, 1943.

Pat. 2,322,378. Cable Structures and Methods of Forming the Same. June 22, 1943.

Pat. 2,322,389. Cartons. June 22, 1943.

Pat. 2,322,391. Balancing Means. June 22, 1943.

Pat. 2,322,511. Safety Device. June 22, 1943.

Pat. 2,322,547. Punch and Die Mechanisms. June 22, 1943.

Pat. 2,322,551. Article Handling Apparatus. June 22, 1943.

Pat. 2,322,653. Telautographic Devices. June 22, 1943.

Pat. 2,322,666. Cable Supports. June 22, 1943.

Pat. 2,322,708. Vibration Measuring Apparatus. June 22, 1943.

Pat. 2,322,756. Impregnation. June 29, 1943.

Pat. 2,322,833. Two-Way Signaling System. June 29, 1943.

Pat. 2,322,848. Pulse Regenerator. June 29, 1943.

Pat. 2,322,851. Magnetic Switchhook. June 29, 1943.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 20, 1949

[VOL 626. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 508,478. HARCO CHEMICAL COMPANY, E. Cranford, N. J. Filed Sept. 4, 1946.

SPRA-KLEEN

FOR LIQUID ALKALINE CONCENTRATE OF COMPOUNDED CHEMICALS FOR USE AS AN ALL-PURPOSE DETERGENT AND CONTROL IN WATER CURTAINS FOR PAINT SPRAY BOOTHS.

Claims use since October 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 482,737. ENTERPRISE ENGINE & FOUNDRY CO., San Francisco, Calif. Filed Apr. 28, 1945.

ENTERPRISE

The lining on the drawing is for shading only.

FOR RELIEF VALVE SPRING BARRELS, STRAINER BASKETS, VALVE BODIES, RELIEF VALVE STUFFING BOXES, OIL VALVE BOXES, RELIEF VALVE GLANDS, TAILPIECE NUT GLANDS, OIL-SCREW GLANDS, METERING AND COMP-VALVE HANDLES, HANDWHEELS, BODY (VALVE) NIPPLES, AND SCREW GLANDS, PACKING GLANDS (FOR VALVES), GLAND NUTS, WASHER AND THRUST RING HINGES, BRASS LADDER CHAINS, METAL TUBES, TEES, RELIEF VALVE KEYS, FLOATING PACKING CUP AND RELIEF VALVE SPRINGS, VALVE-STEMS, STRAINERS, VALVES—NAMELY, RELIEF PLUNGER, FIXED FIRE COMPENSATING, GLOBE AND FOOT; METAL WASHERS, UNIONS, LOCK AND BRASS UNION NUTS, PIVOT TUBING AND ADJUSTING SCREWS.

Claims use since October 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 500,017. PERSONAL MUSIC CORPORATION, Newark, N. J. Filed Apr. 11, 1946.

MELODY LANE

Applicant disclaims the word "Melody" apart from the mark.

FOR COIN CONTROLLED MUSIC BOXES COMPRISED OF LOUDSPEAKERS, AMPLIFIERS AND MANUAL AND AUTOMATIC ELECTRIC RECORD PLAYERS.

Claims use since Apr. 3, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 518,783. D. SEBEL & COMPANY LIMITED, London, England. Filed Mar. 10, 1947.

ROLL-A-BYE

No claim is made to the word "Roll" apart from the mark as shown.

FOR ROLLER SKATES, THREE- AND FOUR-WHEELED VELOCIPEDES, SWINGS, ROUND-ABOUTS, WHEEL-SUPPORTED HOBBY HORSES, AND SIMILAR ANIMAL TOYS.

Claims use since September 1946.

Ser. No. 519,488. GUY RAYMOND OATHOUT, doing business as Ace Mfg. Company, Fort Atkinson, Wis. Filed Mar. 24, 1947.



All wording shown on the drawing except the word "Ace" is disclaimed.

FOR FISHING NETS.

Claims use since Dec. 9, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 515,219. BOWSER, INC., Fort Wayne, Ind. Filed Jan. 3, 1947.

ROTOROL

FOR POSITIVE DISPLACEMENT METERS AND POSITIVE DISPLACEMENT METERING SYSTEMS FOR PETROLEUM PRODUCTS AND OTHER LIQUIDS.
Claims use since May 15, 1946.

Ser. No. 519,736. WILLIAM SAXTON DAVIS, Havertown, Pa. Filed Mar. 28, 1947.

TOURWAYS

FOR ARCHITECTURAL MODELS OF BUILDINGS FOR THE PURPOSE OF MAKING MINIATURE LAYOUTS OF REAL ESTATE DEVELOPMENTS AND THE LIKE.
Claims use since Feb. 27, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 506,817. S. T. JOHNSON CO., Oakland, Calif. Filed Aug. 3, 1946.

ECONOLUX

FOR HEATING AND HOT WATER COMBINATION BOILERS.
Claims use since July 27, 1940.

Ser. No. 514,719. THE REX CLAY PRODUCTS COMPANY, Detroit, Mich. Filed Dec. 23, 1946.

REX
RoTo

FOR PRECAST COMBUSTION CHAMBERS AND BAFFLES FOR OIL AND GAS BURNERS.
Claims use since Dec. 1, 1938.

CLASS 37

PAPER AND STATIONERY

Ser. No. 518,902. THE MEAD CORPORATION, Dayton, Ohio. Filed Mar. 12, 1947.

MEAD

FOR PAPER AND PAPER BOARD—NAMELY, PAPERS ADAPTED FOR PRINTING BOTH UNCOATED AND COATED, MAGAZINE, BOOK, COVER PAPERS AND BRISTOL UNCOATED AND COATED, COATED PAPERS, MACHINE COATED PAPERS, BOND AND WRITING, LITHOGRAPHIC, OFFSET, MIMEO, VELLUM, TRANSLUCENT, SUEDE, CATALOGUE, MAP, DRINKING CUP, MOISTURE VAPOR RESISTANT, WET STRENGTH, LAMPSHADE STOCK, PHOTO MOUNT, TAG AND TICKET, MISCELLANEOUS BOOK PAPERS UNCOATED AND COATED, WAXING PAPERS, HANGING PAPERS, LABEL PAPER, ENVELOPE PAPER, LEDGER AND ACCOUNTING PAPER, BAG PAPER, BLEACHED AND UNBLEACHED KRAFT; PAPER BOARD PRODUCTS—NAMELY, BRISTOL AND OTHER PAPER AND PAPER BOARD FOR INDEXES, FILING SYSTEMS, OFFICE FORMS, POST CARDS, CARDBOARDS, MENUS, DECORATED BOARDS, PRICE LISTS, CALENDARS, COVER BOARDS, BOOK BOARDS, ADVERTISING AND ART WORK, MILL BLANKS, DIE CUT SPECIALTIES, BOX BOARDS, CORRUGATING, LINER, LAMINATED, PAPER PULP BOARD, UNLAMINATED AND HIGH DENSITY AND SPECIALTY PAPER BOARDS USED IN THE MANUFACTURE OF CIGAR BOXES, PACKING CASES, SHIPPING CASES, CORES AND TUBES; GROUNDWOOD PAPERS UNCOATED AND COATED AND MACHINE COATED; LAMINATED AND UNLAMINATED PAPERS AND PAPER BOARD; WAXED, RESINOUS AND OTHER ADHESIVE LAMINATED AND UNLAMINATED PAPER AND PAPER BOARD; COATED AND SURFACE TREATED SPECIALTIES AND MISCELLANEOUS PAPER AND PAPER BOARD.
Claims use since Jan. 1, 1895.

Ser. No. 524,738. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed June 24, 1947.

SHERWIN-WILLIAMS

FOR WALLPAPER, POSTER PAPERS AND BOARDS, SHOW-CARDBOARD, CARDBOARD, PROCESS BOARD, METALLIC-COATED BOARD, DISPLAY BOARD, FOIL PAPER, DECALCOMANIA PAPER, TRACING PAPER, MAT BOARD, MOUNTING BOARD, DRAWING PAPER, CRAYONS, CHARCOAL STICK CRAYONS, PEN POINTS, PENHOLDERS, AND FOUNTAIN MARKING PENS, PENCILS, CARDBOARD EASELS, RUBBER ERASERS, DISPLAY PAPER, DECORATIVE PAPER AND SCREEN PROCESS PAPER.
Claims use since June 28, 1939.

CLASS 39

CLOTHING

Ser. No. 520,712. I. B. KLEINERT RUBBER COMPANY, INC., New York, N. Y. Filed Apr. 15, 1947.

FEATHERNAP

FOR UNDERGARMENTS — NAMELY, APRONS, STEP-INS, AND BLOOMERS HAVING PROTECTIVE PANELS OF A SOFT MATERIAL TO PROVIDE A SOFT SURFACE PROTECTION TO THE SKIN.
Claims use since January 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 523,059. PEIRCE AND CUTLER, Los Angeles, Calif. Filed May 26, 1947.

PEBBLETEX

FOR RUGS MADE OF LOOP-PILED FABRIC OF COTTON, WOOL AND RAYON.
Claims use since Sept. 1, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 513,948. THE NATIONAL PLASTIC PRODUCTS COMPANY, Odenton, Md. Filed Dec. 9, 1946.

Wynene

FOR SYNTHETIC FILAMENTS, FOR MAKING INTO THREAD AND FILAMENT YARN.
Claims use since Aug. 14, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 517,848. HUSKY BAR ICE CREAM, Trenton, N. J. Filed Feb. 20, 1947.



The words "Bar" and "Ice Cream" and the representation of the goods are disclaimed apart from the mark.
FOR ICE CREAM.
Claims use since April 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 524,926. ARMSTRONG CORK COMPANY, Lancaster, Pa. Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948. Under section 2f of the act of 1946.

ARMSTRONG CORK COMPANY

Applicant disclaims the words "Cork Company" apart from the trade-mark substantially as shown.
FOR NATURAL CORK IN BARK SLABS, PIECES, GRANULES, AND POWDERS; PLASTIC COMPOSITION TYPE SHOE FILLER; DIATOMACEOUS EARTH; REGRANULATED CORK; CORK, CORK COMPOSITION, CORK AND RUBBER COMPOSITION, FIBER AND LEATHER IN SHEET FORM FOR USE IN THE MANUFACTURE OF BOX TOES, COUNTERS, SHOE FILLER PIECES, HEEL PADS, METATARSAL PADS, INSOLES, LAME LIFTS, PLATFORM SOLES; MATS, BLOCKS, BALLS, SHEETS, STRIPS, AND RIBBONS OF NATURAL CORK, CORK COMPOSITION, RUBBER, SYNTHETIC RUBBER, CORK AND RUBBER, CORK AND SYNTHETIC RUBBER, AND LEATHER FIBERS FOR GENERAL INDUSTRIAL USES; AND WEBS OF NATURAL CORK AND CORK COMPOSITION FOR CIGARETTE TIPPING PURPOSES.
Claims use since Dec. 1, 1938.

Ser. No. 543,381. ARMOUR AND COMPANY, Chicago, Ill. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

ARMOUR

Applicant claims ownership of Registration No. 383,983.
FOR SOLE LEATHER AND UPPER LEATHER.
Claims use since 1922.

Filed Dec. 5, 1947.



FOR SOLE LEATHER.
Claims use since 1931.

Ser. No. 556,821. SAWYER TANNING COMPANY, Napa, Calif. Filed May 11, 1948. Under section 2f of the act of 1946.

NAPANEE

Applicant claims ownership of Registration No. 412,218.
FOR LEATHER.
Claims use since June 15, 1932.

Ser. No. 556,822. SAWYER TANNING COMPANY, Napa, Calif. Filed May 11, 1948. Under section 2f of the act of 1946.

PORTOLA

Applicant claims ownership of Registration No. 412,611.
FOR LEATHER.
Claims use since Feb. 11, 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 572,200. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Jan. 14, 1949.

STRETCHWAY

Applicant claims ownership of Registration No. 502,777.
FOR WALLETS AND BILL-FOLDS.
Claims use since Jan. 5, 1949.

Ser. No. 572,416. JABEZ CLIFF & COMPANY LIMITED, Walsall, England. Filed Jan. 19, 1949. Under section 2f of the act of 1946.

BARNSBY

FOR HARNESS AND SADDLERY AND HARNESS AND SADDLERY ACCESSORIES.
Claims use since Jan. 1, 1895.

Ser. No. 572,637. COBLENTZ BAG COMPANY, INC., New York, N. Y. Jan. 24, 1949. Under section 2f of the act of 1946.

Coblentz

Applicant claims ownership of Registration No. 422,884.
FOR LADIES' HANDBAGS.
Claims use since May 1935.

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 539,196. MURPHYSBORO GROCERY COMPANY, Murphysboro, Ill. Filed Oct. 27, 1947.



FOR SCOURING CLEANSER.
Claims use since Aug. 28, 1928.

Ser. No. 548,362. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J. Filed Jan. 30, 1948.

OPTIMUS

Applicant claims ownership of Registration No. 162,602.
FOR ALKALINE, ACIDIC, NEUTRAL, AND SOLVENT CLEANING PREPARATIONS FOR INDUSTRIAL CLEANING OF METALS, PLASTICS, AND OTHER SOLID SURFACES, AND FOR HOUSEHOLD CLEANING PURPOSES SUCH AS CLEANING DISHES, UTENSILS, ENAMEL-WARE, WOODWORK, LAUNDRY, AND THE LIKE.
Claims use since Sept. 29, 1944.

CLASS 5

ADHESIVES

Ser. No. 538,390. THE FRANKLIN GLUE COMPANY, Columbus, Ohio. Filed Oct. 20, 1947. Under section 2f of the act of 1946.



The words "Strong as the Union" and "Glue" are disclaimed. Applicant claims ownership of Registration No. 373,101.
FOR LIQUID HIDE GLUE.
Claims use since Sept. 1, 1935.

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 550,077. SEARS, ROEBUCK AND CO., doing business as Lyric Distributors, Chicago, Ill., and New York, N. Y. Filed Feb. 18, 1948.

Lyric

FOR FACE POWDER, FACE CREAM, LIPSTICK, FACE ROUGE, SKIN LOTION, AND MAKEUP BASE.
Claims use since June 20, 1947.

Ser. No. 553,879. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 5, 1948.

LITEXIN

FOR MEDICINAL PREPARATION OF ORAL LIQUID LIVER USED IN THE TREATMENT OF SECONDARY ANEMIA.
Claims use since Jan. 2, 1948.

Ser. No. 558,766. THOMAS ROBINSON COMPANY, INC., New York, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York. Filed June 25, 1948.

TRIG

FOR WAX EMULSION FOR WATERPROOFING FABRICS.
Claims use since Feb. 28, 1947.

Ser. No. 558,943. G. D. SEARLE & Co., Chicago, Ill. Filed June 10, 1948. Under section 2f of the act of 1946.

Iodochlorol

Applicant claims ownership of Registration No. 365,991.
FOR IODIZED AND CHLORINATED OIL FOR X-RAY DIAGNOSIS AND IODINE MEDICATION.
Claims use since June 5, 1931.

Ser. No. 559,963. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 22, 1948.

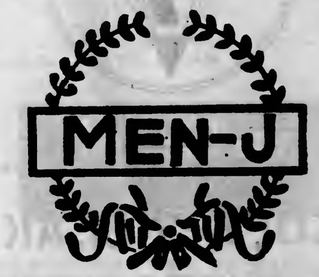
Bacidrin

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN.
Claims use since Apr. 6, 1948.

Bacidrops

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN.
Claims use since Apr. 6, 1948.

Ser. No. 561,323. MENLEY & JAMES, LIMITED, New York, N. Y. Filed July 14, 1948.



Applicant claims ownership of Registrations Nos. 142,021 and 263,773.
FOR PROPHYLACTIC AND IODIN PREPARATION FOR EXTERNAL USE.
Claims use since May 27, 1919.

Ser. No. 561,578. OMNIUM ARTS ET INDUSTRIE, SOCIETE ANONYME, Paris, France. Filed July 16, 1948.

EXCENTRIC

Applicant claims ownership of French Registration No. 321,383, dated June 8, 1938.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAMS, COLOGNES, FACE POWDER, BRILLIANTINE, EYE SHADOW, AND LOTIONS.

Ser. No. 561,579. OMNIUM ARTS ET INDUSTRIE, SOCIETE ANONYME, Paris, France. Filed July 16, 1948.

LA FLEUR FOLLE

Applicant claims ownership of French Registration No. 319,374, dated Feb. 11, 1938.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAMS, COLOGNES, FACE POWDER, BRILLIANTINE, EYE SHADOW, AND LOTIONS.

Ser. No. 561,680. NOPCO CHEMICAL COMPANY, Harrison, N. J. Filed July 19, 1948.

UNISIZE

FOR TEXTILE SIZING COMPOSITION.
Claims use since May 19, 1947.



FOR FOOT POWDER.
Claims use since Jan. 27, 1948.

Ser. No. 563,655. BINNEY & SMITH COMPANY, New York, N. Y. Filed Aug. 18, 1948.

COPEENBLAK

FOR PRODUCT CONSISTING OF CARBON BLACK DISPERSED IN POLYETHYLENE.
Claims use since July 15, 1948.

Ser. No. 563,688. PROFESSIONAL PHARMACAL CO. INC., San Antonio, Tex. Filed Aug. 18, 1948.



FOR EYE DROPS.
Claims use since Dec. 10, 1944.

Ser. No. 564,096. CALVITAL COMPANY, INC., Mt. Vernon, N. Y. Filed Aug. 25, 1948.



The word portion of the mark is "Pancrotol," and the lining in the drawing is for the color blue.
FOR MEDICINAL COMPOUNDS, PREFERABLY IN TABLET FORM, OF CHOLERATIC AND ANTISPASMODIC ACTION AND TO AID PROTEIN, FAT, AND STARCH DIGESTION.
Claims use since July 1, 1948.

Ser. No. 564,226. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Aug. 26, 1948.

Parmazoic

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF BACTERIAL INFECTIONS.
Claims use since May 28, 1948.

NISENTIL

FOR ANALGESIC, SEDATIVE, AND ANTI-SPASMODIC PREPARATIONS.
Claims use since Sept. 21, 1948.

Ser. No. 566,568. CHRISTY COSMETICS INC., New York, N. Y. Filed Oct. 7, 1948.

MARCH OF DIMES

FOR LIPSTICKS.
Claims use since Sept. 1, 1948.

Ser. No. 566,569. CHRISTY COSMETICS INC., New York, N. Y. Filed Oct. 7, 1948.

PENNIES FROM HEAVEN

FOR LIPSTICKS.
Claims use since Sept. 1, 1948.

Ser. No. 566,661. GEORGE SENN, INC., Philadelphia, Pa. Filed Oct. 7, 1948.

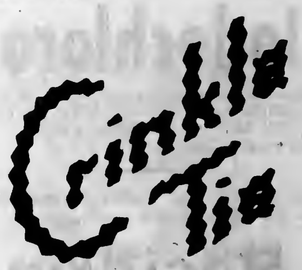
BLIZZARD

FOR LIQUID ANTI-FREEZE PREPARATIONS.
Claims use since July 29, 1948.

CLASS 7

CORDAGE

Ser. No. 532,908. CHICAGO PRINTED STRING COMPANY, Chicago, Ill. Filed Aug. 30, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 377,665.
FOR RIBBON-LIKE MATERIAL MADE FROM COTTON YARNS LAID SUBSTANTIALLY PARALLEL, GLUED TOGETHER AND CRIMPED AND USED FOR TYING PURPOSES.
Claims use since Nov. 19, 1938.

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 513,402. J. L. GALEF & SON, INC., New York, N. Y. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Principal Register, June 26, 1948. Under section 2f of the act of 1946.

Monte Carlo

FOR RIFLES, AIR RIFLES, SHOTGUNS, REVOLVERS, AUTOMATIC PISTOLS, AIR PISTOLS, GUN CLEANING RODS, GUN SIGHTS, GUN STOCKS, PISTOL HANDLES, GUN PARTS, GUN CLEANING PATCHES USED FOR WIPING RIFLE OR REVOLVER BORES, AMMUNITION, TARGETS, SHOT, HOLSTERS, AMMUNITION BELTS, GUN COVERS FOR CONTAINING A RIFLE AND COMPOSED OF DUCK AND LEATHER, AND GUN CLEANING BRUSHES.
Claims use since 1928.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 566,121. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y. Filed Sept. 30, 1948.

Ray-Sure

FOR TYPEWRITER RIBBONS.
Claims use since May 1948.

Ser. No. 566,366. THE STANDARD ULTRAMARINE CO., Huntington, W. Va. Filed Oct. 2, 1948. Under section 2f of the act of 1946. The word "Red" is disclaimed.

VIRGINIA RED

FOR PIGMENTS FOR USE IN THE MANUFACTURE OF PRINTING INKS.
Claims use since July 31, 1940.

Ser. No. 569,241. AMERICAN CARBON PAPER MFG. COMPANY, Ennis, Tex. Filed Nov. 24, 1948.



FOR CARBON PAPER.
Claims use since July 14, 1948.

CONSTRUCTION MATERIALS

Ser. No. 541,866. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 20, 1947.

AZTEX

FOR FIREBRICK.
Claims use since Nov. 24, 1930.

Ser. No. 549,931. ILLINOIS CLAY PRODUCTS COMPANY, Joliet, Ill. Filed Feb. 17, 1948.



FOR MINERAL THERMAL INSULATION COMPRISING AN EXPANDED VOLCANIC GLASS.
Claims use since February 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 539,310. THE GILBERT & BENNETT MFG. CO., Georgetown, Conn. Filed Oct. 28, 1947.

PERMA NETTING

The word "Netting" is disclaimed apart from the other part of the mark shown. Applicant claims ownership of Registration No. 410,911.
FOR WIRE NETTING IN SHEET OR ROLL FORM FOR FENCING AND OTHER PURPOSES.
Claims use since Mar. 11, 1947.

Ser. No. 549,692. AMERICAN TACK CO., INC., New York, N. Y. Filed Feb. 14, 1948. Under section 2f of the act of 1946.

AMERICAN

FOR THUMB TACKS, FURNITURE NAILS, AND UPHOLSTERY NAILS.
Claims use since April 1938.

Island City, N. Y. Filed June 16, 1948.

FEDERAL *Lifetime* DE LUXE SEAT

The words "De Luxe Seat" are disclaimed.
FOR PLASTIC TOILET SEATS.
Claims use since Sept. 1, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 552,370. SPYCO SMELTING & REFINING COMPANY, Minneapolis, Minn. Filed Dec. 26, 1947.

SPYCO

Applicant claims ownership of Registration No. 240,458.
FOR PRECIOUS METALS FOR INDUSTRIAL AND SCIENTIFIC USE AND FOR USE IN JEWELRY AND DENTAL APPLIANCES CONSISTING OF PURE METALS AND ALLOYS IN THE FORM OF INGOTS, PLATE, FOIL, BAND MATERIAL, WIRE, AND SOLDER.
Claims use since October 1912.

CLASS 15

OILS AND GREASES

Ser. No. 491,899. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Original filed, act of 1905, Nov. 19, 1945; amended to application under act of 1946, Principal Register, July 21, 1947.

7600

FOR GASOLINE.
Claims use since Sept. 24, 1945.

Ser. No. 526,824. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947.

PUROTEX

Applicant claims ownership of Registrations Nos. 305,980 and 318,661.
FOR TECHNICAL NON U. S. P. WHITE OIL AND LUBRICATING OILS.
Claims use since May 15, 1936.

Ill. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

SPEED-KUT

FOR CUTTING OILS.
Claims use since Oct. 6, 1930.

Ser. No. 542,162. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

Phillips 66

The lining shown shows the word "Phillips" in mandarin orange and the numeral "66" in black. Applicant claims ownership of Registrations Nos. 255,501, 255,508, 256,663, 257,881, 257,435, 257,436, 264,419, and 276,954.
FOR GASOLINE, LUBRICATING MOTOR OILS, GREASE COMPOUNDS FOR LUBRICATING PURPOSES, KEROSENE, TRACTOR FUEL OIL, DRIPLESS PENETRATING OIL, AND TOP CYLINDER LUBRICATING OIL.
Claims use since Nov. 19, 1927.

Ser. No. 544,102. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed Dec. 11, 1947.

G.N.S. PINE OIL No. 5

The words "Pine Oil" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 141,748, 257,604, and 257,605.
FOR STEAM-DISTILLED PINE OIL, USED IN THE FLOATATION PROCESS OF MINERAL SEPARATION.
Claims use since May 10, 1915.

Ser. No. 544,103. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed Dec. 11, 1947.

G.N.S. PINE TAR OIL No. 8

No registration rights are claimed for the words "Pine Tar Oil" apart from the mark shown. Applicant claims ownership of Registrations Nos. 257,604 and 257,605.
FOR PINE TAR OIL USED IN FLOATATION PROCESS OF MINERAL SEPARATION.
Claims use since Nov. 30, 1915.

Filed Feb. 13, 1948. Under section 2f of the act of 1946, as to "Pure."

PURE PREMIUM

The word "Premium" is disclaimed apart from the mark.
FOR GASOLINE AND OTHER MOTOR FUEL OILS.
Claims use since Feb. 1, 1948.

Ser. No. 551,198. THE PURE OIL COMPANY, Chicago, Ill. Filed Mar. 4, 1948.

ENERGEE DIESEL

The word "Diesel" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 241,897 and 252,549.
FOR DIESEL FUEL OILS.
Claims use since Mar. 29, 1937.

Ser. No. 553,543. F. W. STEADMAN CO., New York, N. Y. Filed Mar. 31, 1948.

ALBATRUM

FOR PETROLEUM WAX IN SOLID SLAB FORM PRIMARILY TO BE USED IN THE MANUFACTURE OF CANDLES.
Claims use since July 1, 1947.

Ser. No. 553,544. F. W. STEADMAN CO., New York, N. Y. Filed Mar. 31, 1948.

CERATRUM

FOR HIGHLY REFINED PETROLEUM WAX IN SOLID SLAB FORM PRIMARILY TO BE USED IN THE MANUFACTURE OF CANDLES.
Claims use since July 1, 1947.

PAINTS AND PAINTERS' MATERIALS

Ser. No. 557,290. JOHN LUCAS & COMPANY, INCORPORATED, doing business as Lucas Kil-Tone Co., Philadelphia, Pa. Filed May 18, 1948. Under section 2f of the act of 1946. Applicant claims ownership of Registrations Nos. 333,974 and 329,548.

Lucas

FOR PAINTS (READY-MIXED, PASTE, AND DRY); PAINT ENAMELS; LACQUERS; VARNISHES; THINNERS AND REDUCERS FOR PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS; PAINT AND VARNISH REMOVERS; PRIMERS AND UNDERCOATERS IN THE NATURE OF PAINTS, VARNISHES, LACQUERS, AND ENAMELS; COLORS IN OIL; JAPANS; WOOD FILLERS; CALCIMINES; COLD WATER PAINTS.
Claims use since 1867.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 539,755. PENN TOBACCO COMPANY, Wheeling, W. Va. Filed Oct. 31, 1947. Under section 2f of the act of 1946.

STERLING

FOR SMOKING AND CHEWING TOBACCO.
Claims use since Mar. 1, 1906.

Ser. No. 548,552. E. WAREMANS & SON, INC., doing business under the name and style of Joseph Whitcomb Co., and Whitcomb, Bridgeport, Conn. Filed Jan. 31, 1948.

BERKSHIRE

FOR CIGARS.
Claims use since 1936.

Ser. No. 562,051. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

THREE THISTLES

FOR SNUFF.
Claims use since 1889.

Ser. No. 562,053. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

VIKING

FOR SNUFF.
Claims use since 1916.

Ser. No. 562,056. GEORGE W. HELME COMPANY, New York, N. Y. Filed July 23, 1948.

22

FOR SNUFF.
Claims use since 1929.

Ser. No. 563,142. WEBSTER TOBACCO COMPANY, INC., Philadelphia, Pa. Filed Aug. 10, 1948.

EMPIRE STATE

FOR CIGARS.
Claims use since July 9, 1930.

CLASS 19

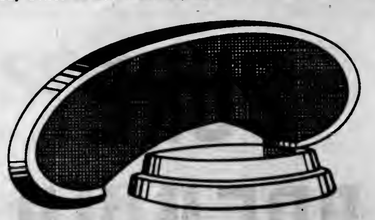
VEHICLES

Ser. No. 549,604. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio. Filed Feb. 13, 1948.

STEELASTIC

The word "Steel" is disclaimed apart from the mark.
FOR REPAIR KITS CONTAINING A SPACER, SLEEVE, WASHERS, AND GROMMETS FOR STABILIZING THE STEERING MECHANISM OF AUTOMOBILES; BUSHINGS MADE OF RUBBER AND METAL FOR AUTOMOBILE SPRINGS, SHACKLES, AND SHOCK ABSORBERS; AND AUTOMOBILE MUFFLER SUPPORTS.
Claims use since Sept. 1, 1945.

Ser. No. 549,605. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio. Filed Feb. 13, 1948.



The drawing is lined to indicate the color black. Applicant claims ownership of Registrations Nos. 443,305 and 440,680.
FOR PADS MADE OF RUBBER AND METAL FOR AUTOMOBILE ACCELERATOR, BRAKE, CLUTCH, AND STARTER PEDALS.
Claims use since Sept. 1, 1945.

Ser. No. 549,606. ANCHOR RUBBER PRODUCTS, INC., Cleveland, Ohio. Filed Feb. 13, 1948.

STEELASTIC

The word "Steel" is disclaimed apart from the mark.
FOR PADS MADE OF RUBBER AND METAL FOR AUTOMOBILE ACCELERATOR, BRAKE, CLUTCH, AND STARTER PEDALS.
Claims use since Sept. 1, 1945.

Ser. No. 556,638. KRELL BUICK, INC., Fargo, N. Dak. Filed May 10, 1948.

LOOK

FOR AUTOMOBILES NEW AND USED, TRUCKS NEW AND USED, AND NEW AND USED BUSES, REPAIR AND REPLACEMENT PARTS OF MOTOR DRIVEN VEHICLES — NAMELY, WHEELS, AXLE HOUSINGS, BODY SUPPORTING SPRINGS AND PARTS THEREFOR, SPRING LEAVES, BRAKE DRUMS, BRAKE SHOES, HYDRAULIC BRAKE MASTER AND WHEEL CYLINDERS, BUMPERS AND PARTS THEREOF, FENDERS, FRONT AXLE HOUSINGS, HUB CAPS, STEERING KNUCKLES, STEERING ARMS, KING PINS, WHEEL HUBS, WHEEL RINGS, SHOCK ABSORBERS.
Claims use since July 1947.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 549,218. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

Armstrong's

Applicant claims ownership of Registration No. 247,561.
FOR LINOLEUM AND FELT BASE, FLOOR AND WALL COVERINGS, BOTH PIECE GOODS AND RUGS; CORK CARPETS; RESILIENT HARD SURFACED FLOOR AND WALL COVERINGS HAVING A COMPOSITION WEARING SURFACE; RESILIENT TILE—NAMELY, LINOLEUM TILE, CORK TILE, RUBBER TILE, ASPHALT TILE, RESIN TILE, AND PLASTIC COMPOSITION TILE; AND PREFABRICATED DECORATIVE INSERTS OF LINOLEUM.
Claims use on linoleum tile about the year 1914; on cork tile about the year 1904; on rubber tile about the year 1936; on asphalt tile, resin tile, and plastic composition tile about the year 1931.

Ser. No. 553,171. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR FELT BASE LINOLEUM RUGS, PLAIN AND INLAID LINOLEUM SOLD BY THE YARD, LINOLEUM RUG BORDERS, AND LINOLEUM STAIR TREADS.
Claims use since Apr. 1, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 547,480. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Jan. 19, 1948. Under section 2f of the act of 1946, as to "Pyle."

PYLE-O-FLEX

FOR EXPLOSION-PROOF ELECTRICAL CONDUIT FITTINGS.
Claims use since Jan. 25, 1934 as to the mark shown; and since Jan. 1, 1895 as to "Pyle."

Ser. No. 549,219. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

Armstrong's

FOR ELECTRICAL INSULATORS OF GLASS.
Claims use since 1938.

Ser. No. 549,883. HEVI DUTY ELECTRIC COMPANY, Milwaukee, Wis. Filed Nov. 20, 1947.

HEVI-DUTY

Applicant claims ownership of Registration No. 120,364.
FOR ELECTRIC FURNACES.
Claims use since Apr. 12, 1917.

Ser. [illegible] New York, N. Y. Filed Feb. 11, 1948.

NIAGRITE

FOR ASBESTOS INSULATING AND FIREPROOFING TAPE FOR USE ON ELECTRICAL CONDUCTORS.
Claims use since 1911.

Ser. No. 550,455. SNC MANUFACTURING CO., INC., Glenview, Ill. Filed Feb. 24, 1948.

SNC

FOR ELECTRICAL TRANSFORMERS FOR USE IN CONNECTION WITH THE FOLLOWING: RADIOS AND OTHER ELECTRIC AND ELECTRONIC DEVICES.
Claims use since Mar. 25, 1946.

Ser. No. 550,843. THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

TAPPAN

Applicant claims ownership of Registrations Nos. 163,183 and 510,406.
FOR ELECTRIC RANGES AND STOVES.
Claims use since Mar. 27, 1922.

Ser. No. 553,029. SPIEGEL, INC., Chicago, Ill. Filed Mar. 25, 1948.

SUPER HOUSE MAID

The word "Super" is disclaimed.
FOR ELECTRIC VACUUM CLEANERS.
Claims use since July 1941.

Ser. No. 553,182. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR ELECTRICAL FENCE CHARGERS, AND ELECTRICAL APPLIANCES—NAMELY, FABRIC [illegible] MENT IRONS, HEATING PADS FOR [illegible] TOASTERS, WAFFLE IRONS, BED [illegible]

FANS, VACUUM CLEANERS, FOOD AND BEVERAGE MIXERS, FOOD ROASTERS, PORTABLE SPACE HEATERS, COOKING RANGES AND HOT PLATES, LIGHTING FIXTURES, WATER HEATERS, AND LANTERNS.
Claims use since April 1926.

Ser. No. 554,873. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 17, 1948.



Applicant claims ownership of Registration No. 343,766.
FOR ELECTRICALLY OPERATED DUPLICATING MACHINES, AND PARTS THEREFOR.
Claims use since Feb. 15, 1932.

Ser. No. 554,990. WAYNE LIMBERG, Plymouth, Wis. Filed Apr. 19, 1948.

DAIRY-VAC

The word "Dairy" is disclaimed. The drawing is lined for gold, but the mark is not limited to the use of any particular color.
FOR PORTABLE ELECTRICALLY OPERATED VACUUM CLEANERS.
Claims use since Nov. 29, 1947.

Ser. No. 556,645. HAROLD R. MILLER, doing business as Miller Electronics, Northampton, Mass. Filed May 10, 1948.

DIVINING ROD

The word "Rod" is disclaimed apart from the mark.
FOR RADIO ANTENNAS FOR FREQUENCY MODULATION AND TELEVISION RECEIVING SETS.
Claims use since Mar. 8, 1948.

Ser. No. 556,859. WILLIAM H. WOODWARD, doing business as Wodward Machine Company, Detroit, Mich. Filed May 11, 1948.

SCOOT-LITE

The word "Lite" is disclaimed apart from the mark as shown.
FOR PORTABLE ELECTRIC LAMP STANDS.
Claims use since Apr. 7, 1948.

Ser. No. 557,013. CARBONNEAU INDUSTRIES, Grand Rapids, Mich. Filed May 14, 1948.



The shading is for the colors blue and gray.
FOR LOUD SPEAKERS.
Claims use since Jan. 15, 1948.

Ser. No. 557,735. DURO-TEST CORPORATION, North Bergen, N. J. Filed May 25, 1948.



The words "Ray" and "Test" are disclaimed apart from the mark.
FOR INCANDESCENT AND FLUORESCENT LAMPS.
Claims use since Apr. 27, 1948.

Ser. No. 558,042. THE MANTLE LAMP COMPANY OF AMERICA, Chicago, Ill., now by change of name Aladdin Industries, Incorporated, a corporation of Illinois. Filed May 28, 1948.



Applicant claims ownership of Registration No. 327,217.
FOR ELECTRIC LAMP FIXTURES, PARTICULARLY FLOOR LAMPS, TABLE LAMPS, AND BRACKET OR PIN-UP LAMPS.
Claims use since July 1, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 501,172. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Original filed, act of 1905, Apr. 30, 1946; amended to application under act of 1946, Principal Register, Oct. 2, 1947.

DAREX

Applicant claims ownership of Registration No. 357,860.
FOR INFLATED BALLOONS USED AS PLAYBALLS.
Claims use since Feb. 26, 1946.

Ser. No. 522,627. GITS MOLDING CORPORATION, Chicago, Ill. Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948. Under section 2f of the act of 1946.



FOR POKER CHIPS AND CHESS GAMES.
Claims use since 1941.

Ser. No. 522,628. GITS MOLDING CORPORATION, Chicago, Ill. Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948. Under section 2f of the act of 1946.



FOR POKER CHIPS AND CHESS GAMES.
Claims use since 1938.

Ser. No. 522,634. GITS MOLDING CORPORATION, Chicago, Ill. Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948. Under section 2f of the act of 1946.



FOR POKER CHIPS AND CHESS GAMES.
Claims use since 1938.

Ser. No. 527,055. B. F. GLADDING & CO. INC., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

amber

FOR FISHING LINES.
Claims use since 1917.

Ser. No. 527,058. B. F. GLADDING & CO. INC., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

GLASGOW

FOR FISHING LINES.
Claims use since 1912.

Ser. No. 527,061. B. F. GLADDING & CO. INC., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

BRUSSELS

FOR FISHING LINES.
Claims use since 1912.

Ser. No. 527,074. B. F. GLADDING & CO. INC., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

DONEGAL

FOR FISHING LINES.
Claims use since 1912.

Ser. No. 527,080. B. F. Gladding & Co. Inc., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

TRANS-LU-CENT

FOR FISHING LINES.
Claims use since 1936.

Ser. No. 527,754. Olin Industries, Inc., East Alton, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

WHITE FLYER

Applicant claims ownership of Registration No. 149,544.
FOR FRANGIBLE TARGETS.
Claims use since Nov. 1, 1897.

Ser. No. 532,688. Cherrio Toys & Games Incorporated, Lockport, N. Y. Filed Aug. 28, 1947.

CHERRIO

The lining is for the purposes of shading only. Applicant claims ownership of Registration No. 441,391.
FOR PADDLE BALLS, TOPS OF THE BANDALORE TYPE, TOY AIRPLANES, TOY WAR TANKS, TOY TRUCKS, TOY AUTOMOBILES, TOY FILM VIEWERS, PUZZLES OF THE JIG-SAW TYPE, CHINESE PUZZLES, TOY WHISTLES, TOY KAZOOS, TOY SLIDE WHISTLES, TOY TRUMPETS, TOY BUGLES, TOY FURNITURE—NAMELY, TOY BEDS, TOY DRESSERS, TOY CHAIRS, TOY TABLES, TOY CHESTERFIELDS, TOY WASH BASINS, TOY TUBS, TOY KITCHEN CABINETS; TOY COMB AND BRUSH SETS, TOY SHIPS, TOY GUNS, TOY ANIMALS, TOY SOLDIERS, TOY DISHES, AND TOY RATTLES.
Claims use since Jan. 1, 1932.

Ser. No. 533,217. Varney Scale Models, Chicago, Ill. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

VARNEY

FOR MODEL KITS, EQUIPMENT, AND SUPPLIES, USED TO CONSTRUCT SCALE SHIP AND RAILWAY MODELS FOR TOTS.
Claims use since Oct. 1, 1936.

Ser. No. 536,854. Western Auto Supply Company, Kansas City, Mo. Filed Oct. 4, 1947.

Western's

FOR SPORTING GOODS OTHER THAN TARGETS AND TRAPS — NAMELY, ROLLER SKATES, ICE SKATES, BASKETBALLS, FOOTBALLS, BASEBALLS, BASEBALL GLOVES AND MITTS, BATS, GOLF BAGS, PITCHING HORSESHOES, CROQUET SETS, BAIT CASTING RODS, FLY RODS, FISHING PLUGS, TACKLE BOXES, CASTING LINES, FLY AND BAIT ROD AND REELS.
Claims use since June 7, 1946.

Ser. No. 546,217. William A. Fuld, doing business as William Fuld, Baltimore, Md. Filed Jan. 5, 1948.

OUIJA

Applicant claims ownership of Registration No. 164,563.
FOR GAME BOARD, UTILIZING A PLANCHETTE, AND SOMETIMES KNOWN AS A TALKING BOARD.
Claims use since July 1, 1890.

Ser. No. 551,793. Gephart Manufacturing Co., Chicago, Ill. Filed Mar. 12, 1948.



The drawing is lined to indicate the colors red and yellow. No claim is made to the words "Rod," "Action-

"Spinning" apart from the mark shown. Applicant claims ownership of Registration No. 335,411.
FOR FISHING RODS.
Claims use since Jan. 15, 1948.

Ser. No. 551,864. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 13, 1948.

RELIANCE

FOR CHILDREN'S TOYS—NAMELY, VELOCIPEDES, WAGONS, SCOOTERS, SLEDS, TOY WHEELBARROWS, TOY TRAINS BOTH ELECTRICAL AND MECHANICAL, CONSTRUCTION SETS, CHEMISTRY SETS, MICROSCOPE SETS, TOY TOOL CHESTS AND PARTS THEREOF, SWINGS, DOLLS; SPORTING GOODS—NAMELY, FISHING RODS AND REELS, FISHING LINES, TENNIS BALLS, GOLF BALLS, BASEBALLS, FOOTBALLS, BASKETBALLS, BASE BALL BATS, TENNIS RACKETS, ICE SKATES, ROLLER SKATES, CROQUET SETS, PITCHING HORSESHOES, AND ARCHERY SETS.
Claims use since Mar. 1, 1919.

Ser. No. 553,647. Statler Mfg. Co., Chicago, Ill. Filed Apr. 1, 1948.

"CO-PILOT"

FOR TOY STEERING WHEEL.
Claims use since July 10, 1947.

Ser. No. 563,061. Exhibit Supply Company, Chicago, Ill. Filed Aug. 9, 1948.

SHORT STOP

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since June 1, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 524,966. Era Meter Co. (Corporation), Chicago, Ill., assignee of Era Meter Co. (Co-Partnership). Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1948.

ERA METER CO.

The words "Meter Co." are disclaimed apart from the mark.
FOR VARIABLE SPEED DRIVE SHIFTING LEVERS AND ATTACHMENTS.
Claims use since June 30, 1946.

Ser. No. 527,565. Robbins & Myers, Inc., Springfield, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

ROBBINS & MYERS

FOR ROTARY PUMPS, COMPRESSORS, HAND HOISTS, CRANES, HAND TROLLEYS.
Claims use since Jan. 1, 1898.

Ser. No. 528,075. Roy I. Patterson, doing business as Roto-Flo Mfg. Co., Brooklyn Center, Minn. Filed July 7, 1947.

ROTO-FLO

The term "Flo" is disclaimed apart from the mark.
FOR MECHANICAL DISTRIBUTOR FOR RECEIVING GRAIN FROM A GRAIN ELEVATING LEG AND DISTRIBUTING IT TO SELECTED BINS IN A GRAIN ELEVATOR.
Claims use since Mar. 18, 1946.

Ser. No. 528,287. Kensington Steel Company, Chicago, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

KENSINGTON

Applicant claims ownership of Registration No. 400,710.
FOR GEARS, PINIONS, MIXER ARMS, MIXER ARM TIPS, LINER PLATES, AND PRESSURE PLATES FOR ASPHALT MIXERS; TRACTOR PARTS, SLATS, TREADS, ROLLERS, AND FAIRLEADS FOR BACK-FILLER PARTS; BODY LINERS, DISCHARGE GRATES, END LINERS, MAN-HOLE LINERS, GEARS, LIFTER BARS, PARTITION GRATES, PINIONS, ROLLERS, SCOOP FEEDER LIPS, AND SHAFT PROTECTOR PLATES FOR BALL MILLS, ROD MILLS, TUBE MILLS, AND COMMINUTORS; BRACES, BUSHINGS, PINS, HINGE CASTINGS, AND SCRAPER BLADES FOR BALLAST SPREADERS; BELL ROD-PROTECTORS, CHARGING-BUGGY WHEELS AND LUGS FOR PIG-BREAKERS FOR BLAST FURNACES; AUGERS, CAMS, CAM GUIDES, CLAY ROLLS, KNIVES, GEARS, AND PINIONS FOR BRICK MACHINES; BUSHINGS, PINS, LEAVES, TIPS FOR LEAVES, LIPS, TEETH, SHANKS, SHEAVES, SIDE ARMS, AND TRAYS FOR CLAM-SHELL AND ORANGE-PEEL BUCKETS; GEARS, PINIONS, ROLL TEETH, TOOTHED ROLLS IN ONE-PIECE, AND TOOTHED ROLL SEGMENTS FOR COAL BREAKING MACHINES; BUSHINGS, CARBON SCRAPER TIPS, GRIZZLY BARS, GRIZZLY DISCS, RACKS, SCOOPS, SHOVEL BODIES, SHOVEL WINGS, SPROCKETS, SCREEN PLATES, WEARING

Ser. No. 527,565. Robbins & Myers, Inc., Springfield, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

ROBBINS & MYERS

FOR ROTARY PUMPS, COMPRESSORS, HAND HOISTS, CRANES, HAND TROLLEYS.
Claims use since Jan. 1, 1898.

Ser. No. 528,075. Roy I. Patterson, doing business as Roto-Flo Mfg. Co., Brooklyn Center, Minn. Filed July 7, 1947.

ROTO-FLO

The term "Flo" is disclaimed apart from the mark.
FOR MECHANICAL DISTRIBUTOR FOR RECEIVING GRAIN FROM A GRAIN ELEVATING LEG AND DISTRIBUTING IT TO SELECTED BINS IN A GRAIN ELEVATOR.
Claims use since Mar. 18, 1946.

Ser. No. 528,287. Kensington Steel Company, Chicago, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

KENSINGTON

Applicant claims ownership of Registration No. 400,710.
FOR GEARS, PINIONS, MIXER ARMS, MIXER ARM TIPS, LINER PLATES, AND PRESSURE PLATES FOR ASPHALT MIXERS; TRACTOR PARTS, SLATS, TREADS, ROLLERS, AND FAIRLEADS FOR BACK-FILLER PARTS; BODY LINERS, DISCHARGE GRATES, END LINERS, MAN-HOLE LINERS, GEARS, LIFTER BARS, PARTITION GRATES, PINIONS, ROLLERS, SCOOP FEEDER LIPS, AND SHAFT PROTECTOR PLATES FOR BALL MILLS, ROD MILLS, TUBE MILLS, AND COMMINUTORS; BRACES, BUSHINGS, PINS, HINGE CASTINGS, AND SCRAPER BLADES FOR BALLAST SPREADERS; BELL ROD-PROTECTORS, CHARGING-BUGGY WHEELS AND LUGS FOR PIG-BREAKERS FOR BLAST FURNACES; AUGERS, CAMS, CAM GUIDES, CLAY ROLLS, KNIVES, GEARS, AND PINIONS FOR BRICK MACHINES; BUSHINGS, PINS, LEAVES, TIPS FOR LEAVES, LIPS, TEETH, SHANKS, SHEAVES, SIDE ARMS, AND TRAYS FOR CLAM-SHELL AND ORANGE-PEEL BUCKETS; GEARS, PINIONS, ROLL TEETH, TOOTHED ROLLS IN ONE-PIECE, AND TOOTHED ROLL SEGMENTS FOR COAL BREAKING MACHINES; BUSHINGS, CARBON SCRAPER TIPS, GRIZZLY BARS, GRIZZLY DISCS, RACKS, SCOOPS, SHOVEL BODIES, SHOVEL WINGS, SPROCKETS, SCREEN PLATES, WEARING

PLATES, AND WHEELS FOR COKE MACHINES; GROUSERS, GEARS, MIXER ARMS, PADDLES, ROLLERS, AND WEARING PLATES FOR CONCRETE MIXERS, AND PAVING MACHINES; ELEVATOR BUCKETS, ELEVATOR BUCKET LIPS, FLIGHTS, GUDGEONS, GUDGEON BEARINGS, BEARING CAPS, HANGER CASINGS, HANGERS, IDLERS, AND WEARING PLATES FOR CONVEYORS; TREAD LINKS, GROUSERS, PINS, BUSHINGS, ONE-PIECE AND RENEWABLE TOOTH SPROCKETS, ROLLERS, TEETH, LIPS, AND SHEAVES FOR SHOVELS, CRANES, AND EXCAVATORS; ONE-PIECE AND SEGMENTAL ROLL SHELLS, ROLL SIDE LINERS, ROLL STAVES, SLUGGER PLATES, AND SLUGGER TEETH FOR CRUSHING ROLLS; ONE-PIECE TEETH, TWO-PIECE TEETH WITH REVERSIBLE POINTS, TRUNNIONS, CLEVISES, WEARING PLATES, LIPS, AND BUSHINGS FOR DRAGLINE BUCKETS; BUCKETS, LIPS, BUSHINGS, BUCKET PINS, LADDER ROLLERS, DUMP CHUTES, TUMBLERS, TUMBLER WEARING PLATES, SHEAVES, GEARS, PINIONS, SPUD POINTS, SPUD RACKS, SPUD PINIONS, BUCKET LINKS, RIFFLE BARS, SCREEN ROLLERS, SCREEN PLATES, AND SCREEN BARS FOR PLACER GOLD DREDGES; BUCKETS, TEETH, PLOWS, SIDE CUTTERS, BUSHINGS, ROLLERS, GEARS, PINIONS, TREADS, SLATS, BUCKET CLEANER ARMS, BRACKETS, AND ROLLERS FOR EXCAVATORS; YOKES, PUSHERS, AND PUSHER PINS FOR FULLER MILLS; BEVEL, MITRE, SPUR, AND SPLIT GEARS; FLIGHTS AND LINERS FOR PULVERIZING MILLS; CONCAVES, WEARING PLATES, DIAPHRAGM LINERS, HOPPER SEGMENTS, SPIDER ARM SHIELDS, DUST RINGS, HEADS, MANTLES, DUST CAPS, AND FLOOR PLATES FOR GYRATORY CRUSHERS; WINDING DRUMS AND SHEAVES FOR HOISTING ENGINES; MOVABLE AND FIXED JAW PLATES, CHEEK PLATES, TOGGLES, TOGGLE BEARINGS, ROLLERS, AND LINERS FOR JAW CRUSHERS; BUCKETS, LIPS, CRAWLER PARTS, DISCS, PADDLE BLADES, AND PADDLES FOR COAL LOADERS; SHEAVES, FRAMES, PINS, BUSHINGS FOR LOGGING BLOCKS; GEARS, PINIONS, SHEAVES, LINERS AND WEARING PLATES FOR LUMBER, PULP, AND PAPER MILLS; RIFFLE BARS, GRIZZLY BARS, GRIZZLY BAR TOPS, GRIZZLY BAR SPACERS, GRIZZLY BAR CLEATS, SLUICE LINERS, CHUTE LINERS, DEFLECTOR CASTINGS FOR HYDRAULIC COAL MINING; SHEAVES, GEARS, AND PINIONS FOR OIL WELL DRILLING RIGS; GRIZZLY BARS, CURVED OR FLAT CHUTE LINERS, GRIZZLY BAR SPACERS, DUMP PLATES, ROLLERS, GEARS, PINIONS, CAMS, RACKS, LAUNDER LINERS, AND ORE FEEDER CHAIN FOR ORE BINS, CHUTES, AND CLASSIFIERS; LIPS, TEETH, BUSHINGS, PINS, GEARS, PINIONS FOR ORE LOADERS AND MUCKERS, MULLER PLATES, PLOWS, SCRAPERS, PAN RIM LINERS, GEARS, PINIONS, SHAFT SUPPORTS, TOES, AND SCREEN PLATES FOR DRY AND WET PANS, BEVEL, MITRE, SPUR, SPLIT, AND MILL PINIONS; KNIVES, KNIFE TIPS AND SHANKS, GEARS, AND PINIONS FOR PUG MILLS; HAMMERS, HAMMER TIPS, HAMMER SHANKS, RINGS, GRATE BARS, GRATES, BREAKER PLATES, BEATERS, PLOWS, LINERS, AND CAGE BARS FOR PULVERIZERS; BEATER BLADES, ROLLERS, PLOWS, LINERS, GEARS, PINIONS FOR PULVERIZING MILLS; YOKES, PICKS, GEARS, AND PINIONS FOR ROAD ROLLERS; IDLERS, TRUCK, BOOM, TRACTOR, PULVERIZING MILL, CONVEYOR, AND TRUNNION ROLLERS; CONES, HOPPERS, SHELLS, DIES, MORTARS, PESTLES, BUCKING BOARDS FOR SAMPLE GRINDERS; BUCKETS, SHEAVES, TUMBLERS, LINERS, WEARING PLATES, CURVED AND FLAT SCREEN PLATES, GEARS, PINIONS, AND SCREEN ROLLERS FOR SAND DREDGES; PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, PIPE FLANGES FOR SAND AND GRAVEL PUMPS; PERFORATED AND BLANK SCREEN PLATES, TRUNNION ROLLERS, GEARS, PINIONS, HEAD CASTINGS, TAIL CASTINGS, RETARDING RINGS, INDUCTION CHUTES, AND DISCHARGE CHUTES FOR REVOLVING SCREENS; OIL WELL, LOGGING BLOCK, FAIRLEAD, DREDGE, STEAM SHOVEL, DRAG LINE AND MISCELLANEOUS SHEAVES; CAMS, MORTAR LINERS, CHUTE LINERS, LAUNDER LINERS, GRATE FRAMES, AND GRATE FRAME STRIPS FOR STAMP MILLS; DIPPERS, DIPPER FRONTS, DIPPER LIPS, DIPPER TEETH, DIPPER BAILS, DIPPER DOOR HINGES, DIPPER DOORS, DIPPER LATCHES, DIPPER LATCH KEEPERS, DIPPER LATCH GUIDES, SHIPPER SHAFT, PINIONS, SADDLE PLATES, CHAIN SHEAVES, CABLE SHEAVES, CRAWLER TRUCK ROLLERS, RAIL CLAMPS, WINDING DRUMS, TRUNNION ROLLERS, HOISTING GEARS, AND HOISTING PINIONS FOR STEAM SHOVEL AND DIPPER DREDGES; DRAW BENCH HOOKS, DRAW BENCH SPROCKETS, PIPE BALLS, COUPLING BOXES, SPINDLES, CRABS, TABLE GEARS, CONVEYOR GEARS, PINIONS, CHUTE LINERS, ROLL GUIDES, AND CRANE WHEELS FOR STEEL ROLLING MILLS AND TUBE PLANTS; CUTTER HEADS, CUTTER HEAD TEETH, CUTTER BLADES, SHOES, SHEAVES, GEARS, PINIONS, PUMP SHELLS, IMPELLERS, SHELL LINERS, SIDE LINERS, FOR SUCTION DREDGES; DIPPER, BUCKET, SCRAPER, SPROCKET, SCARIFIER, TWO-PART, AND SOLID TEETH; BUCKETS, TEETH, PLOWS, CUTTERS, ROOTERS, ROLLERS, IDLERS, BRACKETS, CLEANER ARMS, ELEPHANT EARS, BUCKET EXTENSIONS, AND EXTENSION CUTTERS FOR TRENCH MACHINES; STAVES, GEARS, AND PINIONS FOR TUMBLING BARRELS.

Claims use since July 29, 1926.

Ser. No. 531,548. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

TIMKEN

Applicant claims ownership of Registrations Nos. 146,052, 150,696, 212,826, and 219,199.

FOR WORMS AND GEARS; ENGINE TRANSMISSIONS; TRANSFER CASES FOR DIVIDING ENGINE TORQUE BETWEEN FRONT AND REAR AXLES OF HEAVY DUTY MOTOR VEHICLES; ENGINE TORQUE DIVIDERS AND ENGINE TORQUE ACCUMULATORS FOR HEAVY DUTY MOTOR VEHICLES; AND COMPONENT PARTS OF THE FOREGOING EXCEPT ROLLER BEARINGS.

Claims use since August 1916.

Ser. No. 531,597. INLAND RUBBER CORPORATION, Chicago, Ill. Filed Aug. 16, 1947.

INLAND

FOR PRESSURE BLOCKS, MOLDS, VULCANIZERS, VULCANIZING PRESSES, SPREADERS, INSPECTORS, BUFFERS, PARTS THEREFOR, KNIVES, STITCHERS, MANDRELS AND WIRE BRUSHES FOR TIRE REPAIRING.

Claims use since May 1943.

Ser. No. 535,711. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Sept. 25, 1947.

DEVIL-DOG

FOR SPROCKET DRIVE CHAINS FOR POWER TRANSMISSION.

Claims use since June 16, 1938.

Ser. No. 535,712. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Sept. 25, 1947.

ROTOR CHIEF

Applicant disclaims the word "Rotor" except as used in the mark.

FOR SPROCKET DRIVE CHAINS FOR POWER TRANSMISSION.

Claims use since Oct. 8, 1937.

Ser. No. 540,567. PENENS CORPORATION, Los Angeles, Calif. Filed Nov. 8, 1947.

Fleet QUALITY TOOLS

The words "Quality Tools" are disclaimed apart from the mark.

FOR WRENCHES—NAMELY, SOCKET WRENCHES, BOX AND OPEN END WRENCHES, ADJUSTABLE WRENCHES, AND PIPE WRENCHES; REVERSIBLE RATCHETS; EXTENSIONS; FLEX HANDLES; CROSS-BARS; SPEEDERS; UNIVERSAL JOINTS; UNIVERSAL SOCKETS; L HANDLES; SCREW DRIVER SOCKETS; PLIERS; SLIP JOINT PLIERS; UNIVERSAL PLIERS; AND WRENCH TYPE PLIERS.

Claims use since Aug. 29, 1947.

Ser. No. 542,472. HOTCHKISS REALTY CORPORATION, Norwalk, Conn., assignor to the E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Delaware. Filed Nov. 26, 1947. Under section 2f of the act of 1946.

HOTCHKISS

Applicant claims ownership of Registration No. 137,913.

FOR STAPLING MACHINES.

Claims use since 1897.

Ser. No. 542,744. ATLAS IMPERIAL DIESEL ENGINE CO., Oakland, Calif. Filed Nov. 29, 1947.

ATLAS

Applicant claims ownership of Registration No. 410,745.

FOR INTERNAL COMBUSTION ENGINES AND PARTS THEREOF.

Claims use since July 1917.

Filed Nov. 29, 1947.

S/B

FOR SCREW DRIVERS.

Claims use since Mar. 19, 1947.

Ser. No. 547,054. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948.

"BLUE MARK"

Applicant claims ownership of Registration No. 393,727.

FOR CONDUIT BENDING TOOLS FOR USE IN CONNECTION WITH BENDING AND SHAPING CONDUIT AND TUBING EMPLOYED IN THE INSTALLATION OF ELECTRICAL WIRING-RACEWAY SYSTEMS.

Claims use since Oct. 10, 1940.

Ser. No. 547,203. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis. Filed Jan. 15, 1948.

Adjust-O-Matic

The word "Adjust" is disclaimed.

FOR BRUSH ADJUSTMENT MECHANISM FOR CARPET SWEEPERS WHICH AUTOMATICALLY BRINGS THE BRUSH TO THE CORRECT POSITION FOR SWEEPING ON ANY THICKNESS OF RUG OR CARPET.

Claims use since July 1941.

Ser. No. 549,577. THE SIDNEY MACHINE TOOL COMPANY, Sidney, Ohio. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

SIDNEY

Applicant claims ownership of Registration No. 178,694.

FOR METAL WORKING LATHES AND WIRE-WINDING MACHINES.

Claims use since 1925 on lathes; and since June 5, 1937, on wire-winding machines.

Ser. No. 555,662. ELGIN NATIONAL WATCH COMPANY, Elgin, Ill. Filed Apr. 27, 1948.

DYMO-GUN

The syllable "Gun" is disclaimed apart from the mark shown.

FOR SHIPPING AND DISPENSING APPLICATORS AND PARTS THEREOF FOR LAPPING COMPOUND.

Claims use since Mar. 3, 1948.

Ser. No. 555,669. CARL GUTEKUNST, York, Pa. Filed Apr. 27, 1948.

SIMPLEX

FOR CAN OPENERS.
Claims use since Feb. 12, 1948.

Ser. No. 556,701. THE SANDY HILL IRON & BRASS WORKS, Hudson Falls, N. Y. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

CLEVELAND TYPE

The word "Type" is disclaimed. Applicant claims ownership of Registration No. 191,112.
FOR OIL FILM BEARINGS.
Claims use since 1907.

Ser. No. 558,925. FAYETTE R. PLUMB, INC., Philadelphia, Pa. Filed June 10, 1948.

LIBERTY

Applicant claims ownership of Registration No. 124,042.
FOR AXES.
Claims use since July 26, 1917.

Ser. No. 559,380. MORSE CHAIN COMPANY, Ithaca, N. Y., and Detroit, Mich. Filed Feb. 7, 1948. Under section 2f of the act of 1946.

MORSE

Applicant claims ownership of Registration No. 417,577.
FOR ENGINE TIMING CHAINS AND SPROCKETS; INDUSTRIAL SILENT AND ROLLER CHAINS AND SPROCKETS; SPEED REDUCERS AND FLEXIBLE COUPLINGS; FREE-WHEELING INDUSTRIAL CLUTCHES AND CHAIN COUPLINGS; VARIABLE SPEED CONTROLS; REDUCTION AND REVERSE GEARS AND TRANSFER DRIVES FOR MARINE ENGINES; AMMUNITION HOIST CHAINS AND SPROCKETS; AND GEAR WHEELS.
Claims use since Dec. 31, 1897.

Ser. No. 559,586. A. B. DICK COMPANY, Chicago, Ill. Filed June 18, 1948.



Applicant claims ownership of Registrations Nos. 415,230, 420,026, and 432,257.
FOR DUPLICATING MACHINES FOR THE STENCIL DUPLICATION OF TYPED, DRAWN, AND WRITTEN MATTER AND THE LIKE AND FOR STENCIL CLEANING MACHINES.
Claims use since Aug. 11, 1945, on duplicating machines; and since Dec. 24, 1947, on stencil cleaning machines.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 562,761. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Aug. 4, 1948.

FOODLAND

FOR CLOTHES PINS.
Claims use since January 1934.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 482,827. THE KALART COMPANY INC., Stamford, Conn. Original filed, act of 1905, Apr. 19, 1945; amended to application under act of 1946, Principal Register, May 28, 1948. Under section 2f of the act of 1946.

FOCUSPOT

Applicant claims ownership of Registration No. 393,745.
FOR CAMERA ATTACHMENTS AND ACCESSORIES—NAMELY, RANGE FINDERS, PARTICULARLY RANGE FINDERS OF THE LIGHT BEAM PROJECTING TYPE; LIGHT UNITS FOR RANGE FINDERS OF THE LIGHT BEAM PROJECTING TYPE; PARTS OF RANGE FINDERS; CASES FOR BATTERIES FOR PHOTOGRAPHIC PURPOSES; MOUNTING BRACKETS; CONNECTING CORDS FOR RANGE FINDERS; AND SWITCHES FOR RANGE FINDERS.
Claims use since February 1939.

Ser. No. 520,947. THE HEATH COMPANY, Benton Harbor, Mich. Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, July 21, 1947. Under section 2f of the act of 1946.

Heathkit

FOR ELECTRIC TEST APPARATUS — NAMELY, OSCILLOSCOPES, ELECTRIC SIGNAL GENERATORS, ELECTRIC SIGNAL TRACERS, ELECTRIC WAVE GENERATORS, ELECTRIC SWEEP GENERATORS, ELECTRIC TIMERS, ELECTRIC CONDENSER CHECKERS, AND VACUUM TUBE VOLTMETERS.
Claims use since Mar. 1, 1947.

Ser. No. 523,573. EMPIRE PROJECTOR CORP., New York, N. Y. Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947.



Applicant disclaims the inclusion of the word "Sound" and the number "16" as a part of the trade-mark.
FOR MOTION PICTURE PROJECTORS AND FOR RELATED PHOTO-ELECTRIC CELLS, AMPLIFIERS, AND LOUDSPEAKERS USED IN CONNECTION WITH THE PRODUCTION AND PROJECTION OF SOUND.
Claims use since May 23, 1947.

Ser. No. 527,242. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

MINNEAPOLIS HONEYWELL

Applicant claims ownership of Registration No. 391,428.
FOR TEMPERATURE, PRESSURE, LIQUID LEVEL OR TIME MEASURING AND CONTROLLING SWITCHES OR VALVES, FOR REGULATING HEATING, COOLING, OR AIR CONDITIONING SYSTEMS.
Claims use since Dec. 14, 1927.

Ser. No. 530,659. THE LUFKIN RULE COMPANY, Saginaw, Mich. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

ARTISAN

FOR TAPE MEASURES.
Claims use since 1904.

Ser. No. 532,428. CHILDREN'S PRODUCTIONS, Palo Alto, Calif. Filed Aug. 26, 1947.



The words "Children's Productions, Supervised by" and "Palo Alto, Calif. P. O. Box 1313" are disclaimed. The name appearing on the drawing is a facsimile signature of Hazel Glaister Robertson, consent given.
FOR MOTION PICTURE FILM, FILM STRIPS, AND PICTURE SLIDES.
Claims use since May 15, 1946.

Ser. No. 549,589. SYDNEY SMITH & SONS (NOTTINGHAM) LIMITED, Nottingham, England. Filed Feb. 28, 1948.

GRASSHOPPER

Applicant claims ownership of British Registration No. 646,194, dated Mar. 25, 1946.
FOR INDICATING AND RECORDING PRESSURE AND TEMPERATURE METERS AND GAUGES, BAROMETERS, VACUUM PRESSURE TEMPERATURE INDICATORS, AND RECORDING APPARATUS.

Ser. No. 551,638. THE KENDALL COMPANY, Walpole, Mass. Filed Mar. 10, 1948.

CLEX

Applicant claims ownership of Registration No. 342,675.
FOR MACHINES FOR TESTING THE TENSILE STRENGTH OF THE ADHESIVE UNION OF FABRICS ADHESIVELY BONDED TOGETHER.
Claims use since Feb. 25, 1948.

Ser. No. 552,986. KENT-MOORE ORGANIZATION INC., Detroit, Mich. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

KENT MOORE

Applicant claims ownership of Registration No. 263,496.
FOR HEADLIGHT TESTERS; WHEEL ALIGNERS, MACHINE TYPE AND INSTRUMENT TYPE; AND GAUGES INCLUDING PISTON FITTING FEELER AND SCALE, VACUUM CHECKING, VALVE TAPPET FEELER, HEAT RISER ADAPTER DEPTH, TIMING GEAR COVER CENTERING, VALVE STEM LENGTH, VALVE LIFTER GUIDE PLUG, TIME SETTING, CARBURETOR PUMP STROKE, DISTRIBUTOR POINT FEELER, TAPPET GAUGE SET, OIL PUMP AND DISTRIBUTOR TIMING, GAS-PER-MILE, FUEL PUMP TESTER, CYL-

INDER COMPRESSION TESTER, TAPPET FEELER, BEARING OIL LEAK DETECTOR, COOLING SYSTEM LEAK DETECTOR, CYLINDER CHECKING, CLUTCH ALIGNING, RELEASE LEVER ADJUSTING, FINGER EQUALIZER, FINGER ADJUSTING, FINGER SETTING, CLUTCH ADJUSTING, OVER-CENTER SPRING LEVER, TOGGLE LEVER SETTING, CLUTCH LEVER HEIGHT, SHIFT ROD ADJUSTING, SHIFT COLLAR CENTERING, MANUAL LEVER, TRANSMISSION OIL PRESSURE, CONVERTER CLEARANCE, FEELER GAUGE SET, TRANSMISSION ANCHOR PISTON, SPEEDOMETER DRIVE GEAR SPACING, CARBURETOR TO BELLCRANK, BELLCRANK TO CROSS SHAFT, THROTTLE LINKAGE, PRESSURE CHECKING, TORUS COVER HUB CHECKING, THROTTLE LEVER CHECKING, REVERSE GEAR BACKLASH, REAR SERVO, AXLE SHAFT AND PLAY, TOE-IN, CASTER CAMBER, STEERING ARM CENTERING AND TOE-IN STEERING CENTERING, CASTER-CAMBER CHECKING, BRAKE SHOE FEELER, HYDRAULIC PRESSURE, DIAL INDICATOR, MICROMETER.
Claims use since October 1922.

Ser. No. 558,839. THE ADHESIVE DRY MOUNTING COMPANY, LIMITED, London, England. Filed June 10, 1948. Under section 2f of the act of 1946.

ADEMCO

Applicant claims ownership of British Registrations Nos. 666,333 and 666,335, dated Jan. 29, 1948.
FOR PHOTOGRAPHIC DRY MOUNTING MACHINES, PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC ENLARGERS, PHOTOGRAPHIC PRINTERS, PHOTOGRAPHIC PROJECTORS, AND PARTS THEREOF.

Ser. No. 559,900. GERTRUDE L. BREUL, doing business as Fred G. Breul Tool Works, Bridgeport, Conn. Filed June 22, 1948. Under section 2f of the act of 1946.

FOX'S

FOR MECHANICS' SQUARES.
Claims use since January 1887.

Ser. No. 561,368. THE L. D. CAULK COMPANY, Milford, Del. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

Caulk

Applicant claims ownership of Registrations Nos. 149,307, 149,759, and 153,922.
FOR LABORATORY APPARATUS—NAMELY, MIXING SLABS, MIXING FLASKS PROVIDED WITH THERMOMETERS AND FOR USE IN MIXING CEMENTS AND THE LIKE, MORTARS AND PESTLES, MERCURY GAGES, AND SHADE GUIDES FOR MATCHING DENTAL PORCELAIN WITH TEETH.
Claims use since June 1898.

Ser. No. 561,621. NORMAN G. GERRY, New York, N. Y. Filed July 17, 1948.

ACRIZYL

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, SUN GLASSES, FRAMES, EYE SHADES, LENSES, MOUNTINGS, AND PARTS THEREOF.
Claims use since Feb. 1, 1948.

Ser. No. 561,881. CHARLES BRUNING COMPANY, INC., New York, N. Y. Filed July 22, 1948.

BW

Applicant claims ownership of Registration No. 277,412.
FOR PHOTOGRAPHIC MATERIALS AND EQUIPMENT—NAMELY, SENSITIZED PAPERS AND CLOTHS, PHOTOSENSITIZED FILM AND PRINTING AND DEVELOPING MACHINES.
Claims use since Jan. 1, 1930.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 565,883. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Sept. 25, 1948.

CALENDOPLAN

Applicant claims ownership of Registrations Nos. 407,090, 409,380, 426,028, and 506,409.
FOR WATCHES.
Claims use since Sept. 15, 1948.

Ser. No. 571,064. JURA WATCH CO., Delemont, Switzerland. Filed Dec. 24, 1948.

TARA

Applicant claims ownership of Swiss Registration No. 125,424, dated July 9, 1948.
FOR COMPLETE WATCHES, WATCH MOVEMENTS OR ALL OTHER PARTS OF WATCHES, LEVER, CYLINDER, AND ROSKOPF SYSTEM.

Ser. No. 571,211. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Dec. 28, 1948.

DYNAVAR

FOR WATCH MAINSPRING.
Claims use since Dec. 22, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 537,900. L. & B. JEWELRY MANUFACTURING COMPANY, Providence, R. I. Filed Oct. 15, 1947.

L&B

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, WATCH BRACELETS.
Claims use since June 1, 1945.

Ser. No. 547,542. HANS HANSEN SOLVSMEDIE A/S, Ostergade, Kolding, Denmark. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

Hans Hansen

The name constituting the mark is that of a deceased person. Applicant claims ownership of Danish Registration No. 1,196.
FOR HOLLOW WARE AND FLAT WARE ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, TRAYS, TEAPOTS, COFFEE POTS, DISHES, PLATES, VASES, PITCHERS, SUGAR BASINS, CREAM JUGS, WATER JUGS, BOWLS, CUPS, SPOONS, KNIVES, FORKS, AND ALL KINDS OF SERVING PIECES.
Claims use since Apr. 1, 1930.

Ser. No. 551,650. MOTIF JEWELERS, Detroit, Mich. Filed Mar. 10, 1948.



FOR FINGER RINGS.
Claims use since Feb. 20, 1948.

Ser. No. 551,787. FELMORE COMPANY, INC., Providence, R. I. Filed Mar. 12, 1948.

Kiddie Diggers

The word "Kiddie" is disclaimed.
FOR STERLING SILVER FLAT TABLEWARE FOR CHILDREN.
Claims use since Jan. 15, 1948.

Ser. No. 553,948. M. WEINGROD COMPANY, Milwaukee, Wis. Filed Apr. 5, 1948.



The word "Diamonds" and the representation of a diamond are disclaimed.
FOR DIAMONDS.
Claims use since Feb. 24, 1948.

Ser. No. 554,485. DAVID GRAD COMPANY, New York, N. Y. Filed Apr. 13, 1948.

Donna

Applicant claims ownership of Registration No. 429,983.
FOR COSTUME JEWELRY.
Claims use since Jan. 10, 1946.

Ser. No. 554,924. SELIKOFF BROTHERS, New York, N. Y. Filed Apr. 17, 1948.

CELEBRATED

FOR FINGER RINGS.
Claims use since Mar. 12, 1948.

Ser. No. 561,404. HARMAN WATCH COMPANY, INC., New York, N. Y. Filed Mar. 12, 1948. Under section 2f of the act of 1946.

HARMAN

Applicant claims ownership of Registration No. 404,955.
FOR JEWELRY NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, PENDANTS, BROOCHES, PEARLS, PEARL NECKLACES, WATCH STRAPS, WATCH CHAINS, BAR-PINS, CLIPS, AND EARRINGS, AND THE FOLLOWING ITEMS MADE OF PRECIOUS METAL—NAMELY, VANITY CASES, JEWEL CASES, AND CIGARETTE CASES.
Claims use since Oct. 1, 1936.

Ser. No. 563,062. The Green Company, Inc., Kansas City, Mo. Filed Aug. 9, 1948.



The mark consists of the letter "G" with a crown design superimposed on the top thereof.
FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, BROOCHES, LAPEL PINS, FINGER RINGS, BRACELETS, AND NECKLACES.
Claims use since Apr. 15, 1947.

Ser. No. 571,356. Ostby and Barton Company, Providence, R. I. Filed Dec. 30, 1948.

SelFit

FOR FINGER RINGS.
Claims use since Dec. 1, 1948.

Ser. No. 571,741. Ostbye and Anderson, Minneapolis, Minn. Filed Jan. 6, 1949.

HEARTCRAFT

FOR FINGER RINGS.
Claims use since July 1, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 566,076. Garner & Co., New York, N. Y. Filed Sept. 29, 1948.

Kleenster

FOR WINDOW CLEANING DEVICE HAVING AN ADJUSTABLE ARM WITH A PAD AND RUBBER STRIP AT ONE END.
Claims use since May 18, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 562,967. The Star Porcelain Company, Trenton, N. J. Filed Aug. 6, 1948.

HUMIDOLAIN

FOR POROUS ABSORBENT PORCELAIN PARTS SOLD AS SUCH FOR PARTS OF DISHES FOR FOOD AND THE LIKE PERISHABLE PRODUCTS.
Claims use since January 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 527,700. Jackes-Evans Manufacturing Company, St. Louis, Mo. Filed July 5, 1947.

JEMCO

FOR PORTABLE WATER COOLERS.
Claims use since Apr. 1, 1938.

Ser. No. 559,980. Infilco Incorporated, Chicago, Ill. Filed Apr. 29, 1948.

ACCELO HI-CAP

Applicant claims ownership of Registration No. 410,350.
FOR FILTER UNDERDRAIN SYSTEMS, OR PARTS THEREOF, AND IN PARTICULAR FOR TRICKLING FILTER UNDERDRAIN TILES FROM WHICH SUCH UNDERDRAIN SYSTEMS ARE MADE.
Claims use since July 14, 1947.

Ser. No. 561,739. Murray M. Fibus, doing business as The Steel City Manufacturing Company, Youngstown, Ohio. Filed July 20, 1948.



The words "The Steel City Manufacturing Co. Youngstown 9, Ohio" and "Ice" are disclaimed.
FOR DRINKING WATER COOLERS INCORPORATING REFRIGERATED STORAGE SPACE THEREIN.
Claims use since Mar. 15, 1948.

Ser. No. 562,701. Great Lakes Carbon Corporation, New York, N. Y. Filed Aug. 3, 1948.

SPEEDEX

FOR DIATOMACEOUS EARTH IN FINELY COMMINUTED FORM FOR USE AS A FILTER AID.
Claims use since Jan. 1, 1930.

Ser. No. 562,704. Great Lakes Carbon Corporation, New York, N. Y. Filed Aug. 3, 1948.

SUPERAID

FOR DIATOMACEOUS EARTH IN FINELY COMMINUTED FORM FOR USE AS A FILTER AID.
Claims use since Jan. 1, 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 549,376. The Stearns & Foster Company, Cincinnati, Ohio. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

Seat Edge

Applicant claims ownership of Registration No. 380,523.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since July 20, 1939.

Ser. No. 551,039. Norfolk Mattress Company, Inc., Norfolk, Va. Filed Mar. 2, 1948. Under section 2f of the act of 1946.



The name "Ezera Storm's" is merely fanciful. Applicant claims ownership of Registration No. 137,009.
FOR BEDDING AND FURNITURE—NAMELY, MATTRESSES, PILLOWS, DAYBEDS, STUDIO COUCHES, BOX SPRINGS, AND COIL BED SPRINGS.
Claims use since April 1907.

Ser. No. 551,190. Norfolk Mattress Company, Inc., Norfolk, Va. Filed Mar. 4, 1948. Under section 2f of the act of 1946.

Ezera Storm's

The name "Ezera Storm's" is merely fanciful. Applicant claims ownership of Registration No. 137,009.
FOR BEDDING AND FURNITURE—NAMELY, MATTRESSES, PILLOWS, DAY BEDS, STUDIO COUCHES, BOX SPRINGS, AND COIL BED SPRINGS.
Claims use since April 1907.

Ser. No. 552,367. Astra Bent Wood Furniture Company, New York, N. Y. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

FISCHEL

Applicant claims ownership of Registration No. 154,820.
FOR BENT WOOD FURNITURE—VIZ., CHAIRS, STOOLS, TABLE TOPS, AND COUNTER TOPS.
Claims use since 1903.

Ser. No. 553,183. The Cussins and Fearn Company, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR WOODEN AND METALLIC CABINET FRAMES AND SHELVING, AND WALL CABINETS CONSTRUCTED OF WOOD AND STEEL.
Claims use since Apr. 1, 1945.

Ser. No. 556,269. Milton Lowenthal, doing business under the name Milo Products Company, Washington, D. C. Filed May 5, 1948.

MILO
CABINET-WALL

The words "Cabinet-Wall" are disclaimed apart from the mark as shown.
FOR STORAGE CLOSETS, CLOSET FRONTS, AND FURNITURE CHEST UNITS.
Claims use since July 3, 1947.

CLASS 33

GLASSWARE

Ser. No. 539,887. Maude B. May Co. (Not Inc.), Chicago, Ill. Filed Nov. 1, 1947.

Celebration
TOAST
GLASSES

The words "Toast Glasses" are disclaimed apart from the mark as shown.
FOR LIQUEUR GLASSES.
Claims use since June 1, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 546,660. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Manhattan

FOR STOVES AND RANGES.
Claims use since Jan. 10, 1937.

Ser. No. 546,665. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Rawson

FOR STOVES AND RANGES.
Claims use since Jan. 15, 1938.

Ser. No. 547,022. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 14, 1948.



The drawing is lined to indicate shading.
FOR GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, GAS MIXERS FOR TORCHES, CUTTING MACHINES, BEVELING AND SHAPE CUTTING ATTACHMENTS FOR CUTTING MACHINES, GAS GENERATORS, AND PARTS FOR THE FOREGOING.
Claims use since November 1946 as to the mark shown; and since 1935 as to the letters "NCG".

Ser. No. 548,305. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Jan. 29, 1948. Under section 2f of the act of 1946.

SILENTVANE

Applicant claims ownership of Registration No. 219,000.
FOR FANS AND BLOWERS.
Claims use since July 1, 1922.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 537,956. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

VICTOR

Applicant claims ownership of Registrations Nos. 104,240, 269,172, 272,552, and 284,265.
FOR GASKETS AND PARTS THEREOF—NAMELY, SOFT METALLIC AND NONMETALLIC SEALING MEMBERS; TREATED AND UNTREATED PAPER, SHEET CORK, COMPRESSED ASBESTOS SHEETS, ASBESTOS MILLBOARD SHEETS, FELT SHEETS AND STRIPS, SOFT METAL SHEETS AND STAMPINGS THEREFROM FOR MAKING SAID GASKETS AND SEALING MEMBERS; SHIMS AND STRIP SHIM STOCK; PACKING AND SHEET MATERIAL FOR MAKING THE SAME FOR MACHINERY JOINTS AND JOINTS IN CONTAINERS AND CONVEYORS OF GASES, FLUIDS, AND SEMIFLUIDS; AND FLUID SEALS COMPOSED IN PART OF SYNTHETIC RUBBER AND OTHER PLASTIC POLYMERS AND IN PART OF METAL.
Claims use on gaskets since 1909; on treated and untreated paper, sheet cork, compressed asbestos sheets, asbestos millboard sheets, felt sheets and strips, soft metal sheets and stampings therefrom for making said gaskets and sealing members since on or before Mar. 1, 1927; on shims and strip shim stock since on or before Sept. 28, 1921; on packing and sheet material for making the same for machinery joints and joints in containers and conveyors of gases, fluids, and semifluids since on or before Aug. 31, 1928; and on fluid seals composed in part of synthetic rubber and other plastic polymers and in part of metal since on or before Feb. 28, 1932.

Ser. No. 549,209. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

Armstrong's

Applicant claims ownership of Registration No. 415,101.
FOR GASKETS, WASHERS, RINGS, PACKINGS, AND SEALS OF NATURAL CORK, CORK COMPOSITION, RUBBER, SYNTHETIC RUBBER, FIBER, LEATHER, PAPER, AND SIMILAR COMPRESSIBLE MATERIALS AND FOR SUCH MATERIALS IN SHEET, BLOCK, STRIP, AND RIBBON FORM, ESPECIALLY ADAPTED FOR PACKING.
Claims use since 1864.

Ser. No. 552,937. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass. Filed Mar. 25, 1948.



The words "Boston, U. S. A." and "Boston Woven Hose and Rubber Company" are disclaimed. Applicant claims ownership of Registrations Nos. 288,258 and 362,821.
FOR BELTS AND BELTING OF RUBBER, FABRIC, OR A COMBINATION THEREOF.
Claims use since Jan. 15, 1931.

Ser. No. 553,181. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR GARDEN HOSE.
Claims use since Apr. 1, 1926.

Ser. No. 554,810. PAGE BELTING COMPANY, Concord, N. H. Filed Apr. 16, 1948. Under section 2f of the act of 1946.

PAGE BELTING CO.

Applicant claims ownership of Registrations Nos. 142,690, 142,688, 142,689, and 142,692.
FOR LEATHER BELTING AND LEATHER PACKING.
Claims use since July 3, 1872.

CLASS 37

PAPER AND STATIONERY

Ser. No. 544,992. ROBERT GAIR COMPANY, INC., New York, N. Y. Filed Dec. 20, 1947. Under section 2f of the act of 1946.

GAIR

Applicant claims ownership of Registrations Nos. 384,273 and 387,268.
FOR BOXBOARD, PAPERBOARD, AND CARDBOARD.
Claims use since Jan. 1, 1940.

Ser. No. 548,647. FILM 'N FILE, INC., New York, N. Y. Filed Feb. 3, 1948.

FILMSORT

FOR FILE AND CLASSIFICATION CARDS WITH APERTURES IN WHICH FILMS OR OTHER MATTER ARE TO BE PLACED.
Claims use since Dec. 24, 1947.

Ser. No. 558,914. OAK RIDGE MANUFACTURING COMPANY, Charleston, S. C. Filed June 10, 1948.

OAK RIDGE

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Nov. 12, 1947.

Ser. No. 559,585. A. B. DICK COMPANY, Chicago, Ill. Filed June 18, 1948.

AB

Applicant claims ownership of Registrations Nos. 415,230, 420,026, and 432,257.
FOR CORRECTION FLUID FOR CORRECTING ERRORS IN STENCILS; FILING WRAPPERS FOR STENCILS; INTERLEAVING BLOTTERS AND SEPARATORS; AND DUPLICATING STENCILS, AND STENCIL SHEETS AND STENCIL PAPER ADAPTED FOR CONVERSION BY STENCILIZATION INTO STENCILS, AND CUSHION SHEETS AND BACKING SHEETS USED IN THE PREPARATION OF STENCILS.
Claims use on duplicating stencils, stencil sheets, stencil paper, cushion sheets and backing sheets since Jan. 7, 1944; on correction fluid, filing wrappers and interleaving blotters and separators since Dec. 18, 1947.

Ser. No. 574,069. BYRON WESTON COMPANY, Dalton, Mass. Filed Feb. 17, 1949. Under section 2f of the act of 1946.

DARTFORD BOND

The word "Bond" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 227,444.
FOR WRITING AND PRINTING PAPER AND MAILING ENVELOPES ADAPTED FOR SOCIAL AND BUSINESS PURPOSES AND WRITING AND PRINTING PAPER ADAPTED FOR ANNOUNCEMENT PURPOSES.
Claims use since Mar. 20, 1926.

CLASS 39
CLOTHING

Ser. No. 491,120. RICE-O'NEILL SHOE COMPANY, St. Louis, Mo. Original filed, act of 1905, Nov. 5, 1945; amended to application under act of 1946, Principal Register, Aug. 18, 1947.

R. O'N.

FOR SHOES, PRINCIPALLY OF LEATHER.
Claims use since Sept. 12, 1945.

Ser. No. 529,022. GOOD LUCK GLOVE COMPANY, Carbondale, Ill. Filed July 21, 1947.

"ZEBRA"

FOR FABRIC WORK GLOVES.
Claims use since August 1932.

Ser. No. 539,037. EMPIRE KNITTING MILLS CORPORATION, Statesville, N. C., assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio. Filed Oct. 25, 1947.

EMPIRE

FOR SWEATERS, SWEAT SHIRTS, BASQUE SHIRTS, SHIRTS FOR SPORTS USE, JACKETS, PAJAMAS, BATHING TRUNKS, AND HOSIERY.
Claims use since 1917.

Ser. No. 540,672. HOLLANDIA KATTENBURG, INCORPORATED, New York, N. Y. Filed Nov. 10, 1947.

KATTEX

FOR RAINCOATS, SPORT COATS, AND TOP COATS.
Claims use since June 12, 1947.

Ser. No. 540,931. STAG CLOTHES, INC., Philadelphia, Pa. Filed Nov. 12, 1947.

"Mysie"

FOR MEN'S AND BOYS' PANTS.
Claims use since Sept. 2, 1947.

Ser. No. 542,402. SHELBY MANUFACTURING CO., New York, N. Y. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

Jane Doe

"Jane Doe" is fanciful. Applicant claims ownership of Registration No. 397,625.
FOR HOUSE DRESSES.
Claims use since June 23, 1941.

Ser. No. 542,795. STERN, MERRITT CO. INC., New York, N. Y. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

DEVONSHIRE

Applicant claims ownership of Registration No. 262,056.
FOR NECKTIES.
Claims use since Jan. 1, 1920.

Ser. No. 544,066. DODSON-FISHER COMPANY, Minneapolis, Minn. Filed Dec. 11, 1947.

"Strike-Master"

Applicant claims ownership of Registration No. 390,418.
FOR BOWLING SHOES.
Claims use since Aug. 8, 1941.

Ser. No. 547,242. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex. Filed Jan. 16, 1948.



The drawing is lined for red and blue. Applicant claims ownership of Registration No. 252,291.
FOR WESTERN STYLE CLOTHING FOR MEN AND BOYS—NAMELY, PANTS, SHIRTS, AND JACKETS MADE OF WOOL AND COTTON.
Claims use since January 1932.

Ser. No. 548,248. FEDER INDUSTRIES, INC., New York, N. Y. Filed Jan. 29, 1948.

HALO-ETTE

FOR EARMUFFS.
Claims use since Dec. 10, 1947.

Ser. No. 548,539. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

SKINNER

Applicant claims ownership of Registrations Nos. 50,198, 154,388, 156,421, and 511,410.
FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S CAPS; HATS; SHOES OF LEATHER, CALFSKIN, SATIN, BROCADE, SNAKESKIN AND KID; GLOVES OF FABRIC, LEATHER, AND COMBINATIONS THEREOF; RIDING BREECHES, RIDING HABITS, SPORT COATS, BATHING SUITS, BEACH ROBES, HOUSE ROBES, BATH ROBES, SUITS, COATS, OVERCOATS, RAINCOATS, SWEATERS, KNICKERS; UNDERWEAR OF KNITTED, NETTED AND TEXTILE FABRICS; PAJAMAS, HOSIERY; WOMEN'S, MISSES' AND CHILDREN'S COLLAR AND CUFF SETS; NECKTIES, BELTS FOR OUTER WEAR; SCARFS, BLOUSES, SMOCKS, APRONS, SKIRTS FOR OUTER WEAR, DRESSES, KIMONOS, NEGLIGEES, LINGERIE—NAMELY, DANCING SETS AND COSTUME SLIPS, BLOOMERS, DRAWERS, VESTS, CHEMISES; DRESS SLIPS, PETTICOATS, NIGHTGOWNS; SHAWLS, CHILDREN'S ROMPERS; WEDDING GOWNS; BOYS' AND MEN'S DRESS, NEGLIGEE AND WORK SHIRTS AND UNDERSHIRTS; TIES, COLLARS, MUFFLERS, SMOKING JACKETS AND SWEATER JACKETS; NURSES' UNIFORMS; WOMEN'S AND MISSES' CORSETS, BRASSIÈRES, COMBINATION CORSET AND BRASSIÈRE, AND BRAS; MEN'S AND CHILDREN'S WEAR FOR SPORTS—NAMELY, BASKETBALL, BASEBALL, SOCCER, TRACK, LACROSSE, BOXING AND FOOTBALL UNIFORMS; WOMEN'S AND MISSES' SHORTS, AND SLACKS.
Claims use since 1848.

Ser. No. 549,296. HARRIS SMITH, INC., New York, N. Y. Filed Feb. 10, 1948.

Oak Park

Applicant claims ownership of Registration No. 366,999.
FOR MEN'S OUTER SHIRTS AND PYJAMAS.
Claims use since Dec. 1, 1936.

Ser. No. 549,938. LUBIN-WEEKER CO. INC., New York, N. Y. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

WELDON

Applicant claims ownership of Registrations Nos. 297,727, 432,136, and 432,145.
FOR MEN'S PAJAMAS.
Claims use since Nov. 25, 1931.

Ser. No. 551,818. PINEHURST TEXTILES, INC., Ashboro, N. C. Filed Mar. 12, 1948.

MISS EGO

The word "Miss" is disclaimed apart from the mark.
FOR LADIES' AND CHILDREN'S UNDERWEAR—NAMELY, PANTIES, SLIPS, NIGHTGOWNS, AND BRASSIÈRES.
Claims use since Feb. 2, 1948.

Ser. No. 553,232. S. ABRAHAMS & CO., INC. (also known as Saco Uniforms), Philadelphia, Pa. Filed Mar. 29, 1948.



The representation of the man is fanciful. Applicant claims ownership of Registration No. 442,338.
FOR MEN'S AND WOMEN'S TRENCH COATS AND TOP COATS.
Claims use since Oct. 7, 1946.

Ser. No. 553,233. S. ABRAHAMS & CO., INC. (also known as Saco Uniforms), Philadelphia, Pa. Filed Mar. 29, 1948.



The representation of the man is fanciful.
FOR MEN'S AND WOMEN'S TRENCH COATS AND TOP COATS.
Claims use since Oct. 7, 1946.

Ser. No. 555,367. BELMONT CLOTHES, INC., Baltimore, Md. Filed Apr. 23, 1948.

ZAX

FOR MEN'S TROUSERS, SLACKS, TOP COATS, SPORT JACKETS, SPORT COATS, BUSH COATS, SUITS, AND OUTER SHIRTS.
Claims use since Dec. 30, 1947.

Ser. No. 555,607. KNIGHT SLIPPER MFG. CORP., Brooklyn, N. Y. Filed Apr. 26, 1948.



Applicant claims ownership of Registrations Nos. 342,676 and 267,463.
FOR LADIES', MEN'S, MISSES', AND CHILDREN'S SLIPPERS, OF LEATHER, FABRIC, AND/OR COMBINATIONS OF SAID MATERIALS.
Claims use since February 1933.

Ser. No. 556,006. GATELY'S PURCHASING DEPARTMENT, INC., Chicago, Ill. Filed May 1, 1948.

KNOLLWOOD

FOR MEN'S SUITS AND TOP-COATS AND OVERCOATS.
Claims use since Feb. 1, 1928.

Ser. No. 557,506. DAYTIMER SHOE COMPANY, North Adams, Mass. Filed May 21, 1948.

TAMBORINA

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Apr. 12, 1948.

Ser. No. 559,707. HOLLANDIA KATTENBURG, INCORPORATED, New York, N. Y. Filed June 19, 1948.

HOLLANDIA KATTEX

FOR RAINCOATS.
Claims use since Dec. 5, 1947.

Ser. No. 559,746. TENNESSEE GLOVE COMPANY, Tullahoma, Tenn. Filed June 19, 1948.

GOOD-NUFF

The word "Good" is disclaimed.
FOR WORK GLOVES MADE FROM A COMBINATION OF LEATHER AND FABRIC.
Claims use since May 3, 1948.

Ser. No. 560,472. IRMA HOSIERY COMPANY, Philadelphia, Pa. Filed June 30, 1948.

Gifted Miss

FOR WOMEN'S HOSIERY.
Claims use since May 12, 1948.

Ser. No. 562,188. ALFRED HJELM, Seattle, Wash. Filed July 26, 1948.

Pin-O-Way

The word "Pin" is disclaimed.
FOR DETACHABLE GARMENT POCKETS.
Claims use since July 1, 1947.

Ser. No. 562,472. HORTEX MANUFACTURING CO., INC., El Paso, Tex. Filed July 29, 1948.

Texcord

FOR BOYS' SLACKS AND OVERALLS.
Claims use since Sept. 10, 1947.

Ser. No. 563,534. THE PICTURE BELT COMPANY, Denver, Colo. Filed July 6, 1948.

DATE-MATE

FOR BELTS FOR WEARING APPAREL.
Claims use since Aug. 21, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 524,725. HARRY RUBIN & SONS, INC., doing business as Arandell Products Company, Philadelphia, Pa. Original filed, act of 1905, June 24, 1947; amended to application under act of 1946, Principal Register, Oct. 12, 1948.

WELTEX

FOR FILLER CORD, SEAMING CORD, WELTING CORD, AND FABRIC PIPING.
Claims use since May 14, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 540,639. CALIFORNIA HAND PRINTS, INC., Hermosa Beach, Calif. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

CALIFORNIA HAND PRINTS

Applicant claims ownership of Registration No. 349,429.
FOR PLAIN AND PRINTED TEXTILE PIECE GOODS MADE OF COTTON, SYNTHETIC FIBERS, OR MIXTURES THEREOF.
Claims use since July 1936.

Ser. No. 557,609. THE LAMPORT COMPANY, INC., New York, N. Y. Filed May 22, 1948.



ANAWAN

The girl's head on the drawing is fanciful.
FOR BED SHEETS, BEDSPREADS, PILLOW CASES, AND PIECE GOODS OF COTTON, LINEN, AND WOOL, AND COMBINATIONS THEREOF.
Claims use since August 1937.

Ser. No. 558,694. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed June 8, 1948.

CHARMBREEZE

Applicant claims ownership of Registration No. 228,309.
FOR CELLULOSE ACETATE RAYON NINON FABRICS IN THE PIECE.
Claims use since Apr. 6, 1948.

Ser. No. 558,695. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed June 8, 1948.

CHARMKOOL

Applicant claims ownership of Registration No. 228,309.
FOR FABRICS IN THE PIECE, MADE OF RAYON AND CELLULOSE ACETATE FIBRE YARNS.
Claims use since Apr. 9, 1948.

Ser. No. 558,696. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed June 8, 1948.

CHARMSTRYPE

FOR TAFFETA FABRICS IN THE PIECE MADE OF RAYON, COTTON, OR COMBINATIONS THEREOF.
Claims use since Mar. 12, 1948.

Ser. No. 559,606. HEBERLEIN & CO., A. G., Wattwil, Switzerland. Filed June 18, 1948.

HECONDA

Applicant claims ownership of Swiss Registration No. 93,088, dated May 11, 1938; and of U. S. Registrations Nos. 199,737 and 308,290.
FOR FABRICS OF COTTON IN THE PIECE ESPECIALLY FOR WEARING APPAREL.

Ser. No. 561,117. HEBERLEIN & Co., A. G., Wattwil, Switzerland. Filed July 10, 1948.

HELANCA

Applicant claims ownership of Swiss Registration No. 88,736, dated July 24, 1936.
FOR FABRICS WITH WOOL-LIKE EFFECTS OF RAYON, IN THE PIECE.

Ser. No. 561,118. HEBERLEIN & Co., A. G., Wattwil, Switzerland. Filed July 10, 1948.

HEPERLA

Applicant claims ownership of Swiss Registration No. 89,299, dated Oct. 29, 1936.
FOR CRÊPE-LIKE FABRICS OF COTTON OR MIXTURES OF COTTON AND RAYON, IN THE PIECE, FOR GARMENTS.

Ser. No. 561,119. HEBERLEIN & Co., A. G., Wattwil, Switzerland. Filed July 10, 1948.

HEVITRO

Applicant claims ownership of Swiss Registration No. 84,261, dated Oct. 27, 1934.
FOR TRANSPARENT FABRICS CONSISTING OF REGENERATED CELLULOSE SUCH AS RAYON OR SPUN RAYON, IN THE PIECE, FOR GARMENTS.

Ser. No. 561,120. HEBERLEIN & Co., A. G., Wattwil, Switzerland. Filed July 10, 1948.

ONDORELLA

Applicant claims ownership of Swiss Registration No. 81,203, dated Oct. 4, 1933.
FOR FABRICS OF RAYON AND SILK, IN THE PIECE, FOR GARMENTS.

Ser. No. 567,958. CHATHAM MANUFACTURING COMPANY, Elkin, N. C. Filed Nov. 1, 1948.

"WOOLSHIRE"

Applicant claims ownership of Registration No. 420,293.
FOR BLANKETS OF WOOL, OF WOOL IN SUBSTANTIAL PART AND COTTON, OF WOOL IN SUBSTANTIAL PART AND RAYON AND COTTON.
Claims use since Jan. 22, 1945.

Ser. No. 570,445. WILLIAM SNOWDEN, doing business as Kansas City White Goods Manufacturing Company, Kansas City, Mo. Filed Dec. 13, 1948.

PINECREST

FOR SHEETS, PILLOW CASES, AND SHEETING, FROM WHICH SUCH SHEETS AND PILLOW CASES ARE TO BE MADE.

Ser. No. 570,585. SIMPSON, RODGERS, SMITH & HUNTING, Chicago, Ill. Filed Dec. 15, 1948.

Blue Valley

FOR WOVEN POTHOLDERS, WOVEN LUNCHEON PLACE MATS, HANDWOVEN RUGS, POWER-LOOMED RUGS, BEDSPREADS.
Claims use since 1941.

Ser. No. 570,686. BEAR MILL MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 17, 1948.

VIDEO

FOR PIECE GOODS OF RAYON, WOOL, SILK, COTTON, OR COMBINATIONS THEREOF.
Claims use since Jan. 31, 1947.

Ser. No. 570,691. CALLAWAY MILLS COMPANY, La Grange, Ga. Filed Dec. 17, 1948.

Calglazed

FOR RUGS MADE OF PAPER YARN.
Claims use since Nov. 22, 1948.

Ser. No. 570,717. PEERLESS MILLS CO. OF NEW YORK, INC., New York, N. Y. Filed Dec. 17, 1948.

NYLOAIRE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 4, 1947.

Ser. No. 570,833. CAROUSEL FABRICS, INC., New York, N. Y. Filed Dec. 20, 1948.

HIALEAH

FOR PIECE GOODS OF RAYON AND OTHER SYNTHETIC FIBRES.
Claims use since Nov. 8, 1947.

Ser. No. 570,846. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Dec. 20, 1948.

VISTARA

Applicant claims ownership of Registration No. 187,717.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 1, 1924.

Ser. No. 570,989. SCOTLAND MILLS, INC., Laurinburg, N. C. Filed Dec. 22, 1948.

Heiress

FOR BEDSPREADS.
Claims use since Dec. 29, 1947.

Ser. No. 571,068. SIDNEY BLUMENTHAL & Co., INC., New York, N. Y. Filed Dec. 24, 1948.

SHELTONIZED

Applicant claims ownership of Registrations Nos. 354,068 and 406,602.
FOR PILE FABRICS IN THE PIECE COMPOSED OF WOOL, ALPACA, MOHAIR, COTTON, SILK, OR RAYON, OR VARIOUS COMBINATIONS THEREOF.
Claims use since June 2, 1937.

Ser. No. 571,091. PEERLESS MILLS CO. OF NEW YORK, INC., New York, N. Y. Filed Dec. 24, 1948.

Nylobreeze

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 4, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 546,296. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio, and New York, N. Y. Filed Jan. 6, 1948. Under section 2f of the act of 1946.

Henkel

Applicant claims ownership of Registration No. 387,807.
FOR SURGICAL, DENTAL, BANDAGE; CUTICLE AND NAIL SCISSORS.
Claims use since 1915.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 532,757. RICHARDSON CORPORATION, Rochester, N. Y. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

LIME O RICH

Applicant claims ownership of Registration No. 411,789.
FOR NONALCOHOLIC MALTLESS SYRUP USED IN MAKING SOFT DRINKS.
Claims use since February 1921.

Ser. No. 551,729. FRANK J. DIXON, doing business as Orange "A" Peel Co., Peoria, Ill. Filed Mar. 11, 1948.

ORANGE "A" PEEL

The word "Orange" is disclaimed apart from the mark.
FOR MALTLESS SOFT DRINKS AND SOFT DRINK SYRUPS.
Claims use since Jan. 17, 1948.

Ser. No. 553,609. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed Apr. 1, 1948.

FRITZBRO AROME

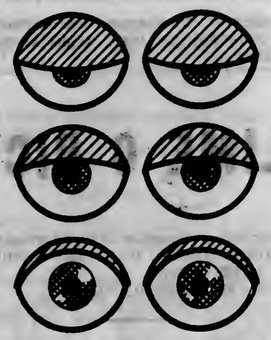
The word "Arome" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 188,327 and 188,342.
FOR FLAVORING COMPOUNDS FOR NON-ALCOHOLIC MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS.
Claims use since June 1913.

Ser. No. 561,099. DUKE & BENEDICT, New York, N. Y. Filed July 10, 1948.

Chi-chi-cola

No claim is made to the word "Cola" apart from the mark shown.
FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND EXTRACTS, FLAVORS, SYRUPS, COMPOUNDS, AND CONCENTRATES FOR MAKING THE SAME.
Claims use since June 2, 1947.

Ser. No. 536,209. CALSO WATER CO., San Francisco, Calif. Filed Oct. 1, 1948.



FOR CARBONATED WATER.
Claims use since June 1, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 534,627. HASKELL & BURNS, Wenatchee, Wash. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

Haskell's

Applicant claims ownership of Registration No. 200,786.
FOR FRESH APPLES.
Claims use since 1921.

Ser. No. 541,889. NATHAN SCHWEITZER & CO. INC., New York, N. Y. Filed Nov. 20, 1947.



The expressions and words "& Co., Inc.," "Brand" and "Quality" are disclaimed apart from the mark.
FOR DRESSED FLESH OF CATTLE, SHEEP, AND HOGS, DRESSED POULTRY, DRESSED VENISON AND DRESSED MALLARD DUCKS, BLACK DUCKS, GEESE, PHEASANTS, QUAIL, PARTRIDGE, AND GROUSE.
Claims use since 1916.

Ser. No. 543,614. EMELENE MILLER LOGUE, Williamsport, Pa. Filed Dec. 6, 1947.

LoMels

FOR CANDY-LIKE COOKIE CONFECTION, THE INGREDIENTS OF WHICH ARE BUTTER, SUGAR, NUTS, SHORTENING, FLOUR, SALT, FLAVORING AND/OR THE LIKE, WHICH INGREDIENTS ARE MIXED, ROLLED INTO SMALL BALLS, BAKED, AND COVERED WITH CONFECTIONER'S SUGAR.
Claims use since Dec. 1, 1946.

Ser. No. 544,487. VICTORIA AVENUE CITRUS ASSOCIATION, Riverside, Calif. Filed Dec. 16, 1947.

IDYLLWILD

FOR FRESH CITRUS FRUITS.
Claims use since 1927.

Ser. No. 545,890. THE PLOEGER-ABBOTT COMPANY, Darien, Ga. Filed Dec. 31, 1947.

GOLDEN ISLE

FOR CANNED SHRIMP.
Claims use since Nov. 27, 1935.

Ser. No. 550,209. THE A. BLOCK FRUIT COMPANY, Santa Clara, Calif. Filed Feb. 20, 1948. Under section 2f of the act of 1946.

Appleton Orchard

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 21, 1937.

Ser. No. 551,152. CHAS. T. WRIGHTSON & SON, INC., Easton, Md. Filed Mar. 3, 1948. Under section 2f of the act of 1946.

TALBOT

FOR CANNED PEAS.
Claims use since Oct. 7, 1902.

Ser. No. 551,449. HALL PACKING COMPANY, Sanger, Calif. Filed Mar. 8, 1948. Under section 2f of the act of 1946.

HALLPAK

The word "Pak" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 268,958.
FOR FRESH GRAPES AND FRESH DECIDUOUS FRUITS.
Claims use since May 14, 1928.

Ser. No. 551,531. THE COLORADO MILLING & ELEVATOR CO., doing business as The Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Filed Mar. 9, 1948. Under section 2f of the act of 1946.



The drawing is lined for shading only. Applicant claims ownership of Registration No. 57,596.
FOR WHEAT FLOUR.
Claims use since Aug. 1, 1900.

Ser. No. 554,295. THE COLORADO MILLING & ELEVATOR CO., doing business as The Twin Falls Flour Mills, Denver, Colo., and Twin Falls, Idaho. Filed Apr. 10, 1948



Applicant disclaims exclusive right to use of the word "Special" per se and apart from the mark. The drawing is lined to indicate blue color.
FOR WHEAT FLOUR.
Claims use since 1928.

Ser. No. 554,300. THE COLORADO MILLING & ELEVATOR CO., doing business as The Lamar Flour Mills, Denver and Lamar, Colo. Filed Apr. 10, 1948.

SPADE



The drawing is lined to indicate blue and red color.
FOR WHEAT FLOUR.
Claims use since September 1939.

Ser. No. 557,660. CALIFORNIA IMPORTING COMPANY, Los Angeles, Calif. Filed May 24, 1948. Under section 2f of the act of 1946.

CASTRUCCIO BROS

FOR OLIVE OIL.
Claims use since 1865.

Ser. No. 557,785. SUNRISE PRODUCE CO., INC., OF SAN FRANCISCO, Indio, Calif. Filed May 25, 1948.

JOSHUA TREE

FOR FRESH GRAPES.
Claims use since Apr. 3, 1948.

Ser. No. 560,724. NORTH PACIFIC FROZEN PRODUCTS COMPANY, Seattle, Wash. Filed July 3, 1948.

Northgate

FOR FROZEN FRESH FISH.
Claims use since August 1947.

Ser. No. 560,907. JESSIE M. LICHTENSTEIN, Chicago, Ill. Filed July 8, 1948.

Jessica's

FOR CANDY.
Claims use since Apr. 17, 1948.

Ser. No. 561,294. CLOVER GREEN DAIRIES, INC., Woodbridge, N. J. Filed July 14, 1948.

Pierre's

FOR ICE CREAM.
Claims use since Apr. 1, 1940.

Ser. No. 561,372. ROBERT T. BLY, doing business as Bly-ROBINSON CO., Charles Town, W. Va. Filed Jan. 5, 1948.

WORTHEMORE

The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 199,561.
FOR FRESH FRUITS—NAMELY, APPLES.
Claims use since Aug. 1, 1923.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 556,176. THE COMO-TEX COMPANY, Chicago, Ill. Filed May 4, 1948.

ROTO YULE TREE

The words "Yule Tree" are disclaimed apart from the mark as shown.
FOR IMITATION CHRISTMAS TREES MADE OF TRANSPARENT PARCHMENT.
Claims use since Mar. 8, 1948.

Ser. No. 558,539. VULCAN CORPORATION, Portsmouth, Ohio. Filed June 4, 1948.

VULCAN

FOR SHOE LASTS.
Claims use since 1935.

Ser. No. 561,497. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 15, 1948.

Sun-Ray

Applicant claims ownership of Registration No. 283,387.
FOR TRANSPARENT MATERIAL ENMESHED IN CLOTH, WIRE MESH, AND WIRE SCREENING IN SHEET FORM SERVING AS A SUBSTITUTE FOR GLASS.
Claims use since July 1929.

CLASS 55

SERVICES

Ser. No. 532,515. THE SPERRY AND HUTCHINSON COMPANY, New York, N. Y. Filed Aug. 26, 1947. SERVICE MARK. Under section 2f of the act of 1946.

SPERRY & HUTCHINSON 10 CO-OPERATIVE 10 DISCOUNT STAMP

The words "Discount Stamp" and "Cooperative," and the numeral "10" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 270,772.
FOR MERCHANDISING SERVICE FOR INDUCING THE PURCHASING PUBLIC TO PAY CASH, RENDERED TO MERCHANTS AND THEIR CUSTOMERS.
Claims use since June 15, 1924.

Ser. No. 533,741. LAWRENCE H. HERRMANN, doing business under the style and title of Automatic Vending and Advertising Co., Grand Island, Nebr. Filed Sept. 8, 1947. SERVICE MARK.

ALL LEGAL VENDING AUTOMATIC VENDING AND ADVERTISING CO.

No claim is made to the exclusive use of the words "All," "Legal," "Vending," or of the words "Automatic Vending and Advertising Co." apart from the mark shown.
FOR ADVERTISING SERVICES RENDERED BY THE MEDIUM OF AUTOMATIC STAMP VENDING MACHINES.
Claims use since Aug. 15, 1947.

Ser. No. 535,175. NORTH CAROLINA FINISHING COMPANY, Salisbury, N. C. Filed Sept. 20, 1947. SERVICE MARK. Under section 2f of the act of 1946.

NORTH CAROLINA FINISH

The word "Finish" is disclaimed apart from the mark.
FOR BLEACHING, DYEING, AND SHRINKING TEXTILE FABRICS AND YARNS, AND FINISHING ANY SUCH [illegible]

Ser. No. 537,235. PUBLIC SERVICE COMPANY OF COLORADO, Denver, Colo. Filed Oct. 8, 1947. SERVICE MARK.

Applicant claims ownership of Registration No. 415,122.
FOR PUBLIC UTILITY SERVICES—NAMELY, SUPPLYING GAS AND ELECTRIC SERVICE TO CITIES, MUNICIPALITIES, AND OTHER USERS.
Claims use since Apr. 25, 1945.

Ser. No. 540,968. THE ASSOCIATED CHRISTIAN VOLUNTEERS, Newark, N. J. Filed Nov. 13, 1947. SERVICE MARK.

CHRISTIAN ASSOCIATED VOLUNTEERS

Applicant disclaims the words "Christian Associated Volunteers" and the representation of the cross apart from the mark as shown.
FOR CHARITABLE AND RELIGIOUS SERVICES—NAMELY, THE TEACHING OF RELIGIOUS DOCTRINES AND GOSPEL.
Claims use since Feb. 11, 1918.

Ser. No. 548,616. TOTE ENGINEERING, INC., Seattle, Wash. Filed Feb. 2, 1948. SERVICE MARK.

TOTE SYSTEM

The word "System" is disclaimed apart from the mark.

FOR RENTAL OF BULK CONTAINERS FOR GRANULAR MATERIALS.

Claims use since January 1946.

Ser. No. 569,115. WILLOUGHBY CAMERA STORES, INC., New York, N. Y. Filed Nov. 19, 1948. SERVICE MARK.

PHOTODROME

FOR PHOTOFINISHING, WHICH COMPRISES DEVELOPING, PRINTING, ENLARGING, AND DUPLICATING OF PHOTOGRAPHS IN BLACK-AND-WHITE AND COLOR; RENTING OF CAMERAS, PROJECTORS, AND FILM FEATURES; REPAIR OF CAMERAS, AND PHOTOGRAPHIC EQUIPMENT GENERALLY.

Claims use since Oct. 14, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,374. WOMEN'S COATS AND SUITS. RUBIN-FELD, New York, N. Y., assignor to Rubin-Feld Inc., New York, N. Y., a corporation of New York.
Filed Nov. 20, 1944, Serial No. 476,700. Published May 24, 1949. Class 39.

443,375. SCREW DRIVERS. SWALLOW AIRPLANE COMPANY, INC., Wichita, Kans.
Filed Dec. 22, 1945, Serial No. 493,844. Published June 7, 1949. Class 23.

443,376. POWER SHOVELS AND CRANES. UNIT CRANE & SHOVEL CORP., West Allis, Wis.
Filed Apr. 8, 1946, Serial No. 499,871. Published June 7, 1949. Class 23.

443,377. MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS, ETC. H. BERNSTEIN & CO., Chicago, Ill.
Filed June 22, 1946, Serial No. 504,426. Published May 24, 1949. Class 39.

443,378. TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, AND CARVING SETS OF BASE METAL. ENGLISHTOWN CUTLERY, LTD., New York, N. Y.
Filed Aug. 13, 1946, Serial No. 507,307. Published June 7, 1949. Class 23.

443,379. MAGAZINES CONTAINING FICTION, POETRY, MUSICAL COMPOSITIONS, COMIC STRIPS, PUZZLES, AND OTHER ITEMS OF GENERAL INTEREST TO CHILDREN. PROGRESSIVE EDUCATORS, INC., Chicago, Ill.
Filed Sept. 3, 1946, Serial No. 508,440. Published May 31, 1949. Class 38.

443,380. PACKAGES OF THREAD. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed Sept. 20, 1946, Serial No. 509,389. Published May 10, 1949. Class 43.

443,381. OVERALLS AND DENIM PANTS AND DENIM JACKETS. MANN OVERALL COMPANY, INC., El Paso, Tex.
Filed Dec. 5, 1946, Serial No. 513,749. Published May 31, 1949. Class 39.

443,382. LETTER COPY SETS, PRE-COLLATED WITH ONE-TIME CARBON. ALFRED ALLEN WATTS CO., INC., New York, N. Y.
Filed Dec. 23, 1946, Serial No. 514,735. Published June 14, 1949. Class 37.

443,383. CORRESPONDENCE PAPER AND STATIONERY. ROBERT E. MARRIOTT, Battle Creek, Mich.
Filed Feb. 19, 1947, Serial No. 517,790. Published June 7, 1949. Class 37.

443,384. GARMENTS MADE OF FUR—NAMELY, COATS, SCARFS, AND MUFFS. ALEXANDER & SONS, INC., New York, N. Y.
Filed Apr. 1, 1947, Serial No. 519,914. Published June 7, 1949. Class 39.

443,385. NECKTIES. NICKY CHINI, Milan, Italy.
Filed Apr. 1, 1947, Serial No. 519,925. Published May 10, 1949. Class 39.

443,386. MATCH MAKING MACHINES; CIGAR AND CIGARETTE MACHINES; ETC. ARENCO AKTIEBOLAG, Stockholm, Sweden.
Filed Apr. 28, 1947, Serial No. 521,422. Published June 14, 1949. Class 23.

443,387. WRENCHES AND WRENCH PARTS. ERCO MANUFACTURING, INC., Hamilton, R. I.
Filed Apr. 28, 1947, Serial No. 521,442. Published June 14, 1949. Class 23.

443,388. HOSIERY AND UNDERWEAR FOR WOMEN AND GIRLS. JOEL BAILY DAVIS, INC., Philadelphia, Pa.
Filed Apr. 29, 1947, Serial No. 521,504. Published May 24, 1949. Class 39.

443,389. BLOUSES, SUITS, DRESSES, AND JACKETS. JOSEPH MANISCOLA & COMPANY, New York, N. Y.
Filed May 1, 1947, Serial No. 521,671. Published May 31, 1949. Class 39.

443,390. MEN'S SUITS, VESTS, TROUSERS, AND VARIOUS TYPES OF COATS, AND FOR WOMEN'S SUITS, SKIRTS, SLACKS, AND VARIOUS TYPES OF COATS. THE ROYAL TAILORS INC., Chicago, Ill., assignor to Chicago Kahn Bros., Chicago, Ill., a corporation of Kentucky.
Filed July 3, 1947, Serial No. 525,954. Published May 24, 1949. Class 39.

443,391. MACHINES FOR COATING PAPER WEBS WITH COATING COMPOUNDS OF STARCH, CLAY, AND THE LIKE TO PRODUCE BRIGHT, GLOSSY STOCK FOR PRINTING. JOHN WALDRON CORPORATION, Highland Park, N. J.
Filed July 3, 1947, Serial No. 525,991. Published June 14, 1949. Class 23.

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515,237. PUBLICATION CONTAINING INFORMATIVE MATTER ISSUED PERIODICALLY EVERY FOUR WEEKS. MOORMAN MANUFACTURING COMPANY, Quincy, Ill.
Original filed, act of 1905, Mar. 14, 1946; amended to application under act of 1946, Principal Register, July 24, 1947, Serial No. 498,245. Published May 24, 1949. Class 38.

515,238. MACHINE PROVIDING CHANGE-SPEED GEARS IN COMPLEMENT WITH A FLY-WHEEL AND EMPLOYED FOR TRANSMITTING THE POWER OF A FLUID-DRIVE ENGINE, THE MACHINE BEING ESPECIALLY APPLICABLE TO LOGGING OPERATIONS AS A YARDER. WESTERN GEAR WORKS, Seattle, Wash.
Original filed, act of 1905, Apr. 30, 1946; amended to application under act of 1946, Principal Register, Jan. 24, 1948, Serial No. 501,221. Published June 7, 1949. Class 23.

515,239. BLANK AND PARTIALLY PRINTED LABELS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Original filed, act of 1905, July 1, 1946; amended to application under act of 1946, Principal Register, Mar. 3, 1948, Serial No. 504,886. Published May 10, 1949. Class 37.

515,240. FOUNTAIN PENS. EVERSHARP, INC., Chicago, Ill.
Original filed, act of 1905, July 30, 1946; amended to application under act of 1946, Principal Register, Dec. 18, 1947, Serial No. 506,516. Published May 10, 1949. Class 37.

515,241. RECORD FILES MADE OF PAPER, VISIBLE CARD INDEX SYSTEMS, INDEX CARDS, POCKET ATTACHMENTS FOR RECORD CARDS, AND INDEX CARD SIGNALS. ACME VISIBLE RECORDS, INC., Chicago, Ill.
Original filed, act of 1905, July 31, 1946; amended to application under act of 1946, Principal Register, Feb. 16, 1948, Serial No. 506,568. Published May 10, 1949. Class 37.

515,242. KRAFT WRAPPING PAPER. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Principal Register, Nov. 12, 1947, Serial No. 508,866. Published May 31, 1949. Class 37.

515,243. NEWSPAPER AND MAGAZINE FEATURE OR COLUMN PUBLISHED PERIODICALLY. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Dec. 29, 1947, Serial No. 510,277. Published May 24, 1949. Class 38.

515,244. HAND OPERATED PRESSES FOR THE EXTRACTION OF FRUIT AND VEGETABLE JUICES, AND USED AS A SIEVE, COLANDER, AND RICER. MCDOWELL MANUFACTURING COMPANY, Millvale, Pa.
Original filed, act of 1905, Nov. 7, 1946; amended to application under act of 1946, Principal Register, Feb. 21, 1948, Serial No. 512,186. Published June 14, 1949. Class 23.

515,245. WOMEN'S AND MISSES' DRESSES. INTERNATIONAL DRESS COMPANY, INC., New York, N. Y.
Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 512,779. Published May 24, 1949. Class 39.

515,246. WOMEN'S AND MISSES' DRESSES. INTERNATIONAL DRESS COMPANY, INC., New York, N. Y.
Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 512,780. Published May 24, 1949. Class 39.

515,247. WRITING, PRINTING, WRAPPING, BOND, LEDGER, "MIMEOGRAPH," MANIFOLD PAPERS AND CARDBOARD. EASTERN CORPORATION, Bangor, Maine.
Original filed, act of 1905, Jan. 21, 1947; amended to application under act of 1946, Principal Register, Nov. 3, 1948, Serial No. 516,062. Published May 31, 1949. Class 37.

515,248. MECHANICALLY AND ELECTRICALLY OPERATED ADDRESSING AND MAILING MACHINES. CHESHIRE MAILING MACHINES, INC., Chicago, Ill.
Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, Sept. 11, 1947, Serial No. 516,955. Published May 31, 1949. Class 23.

515,249. HONING MACHINES AND PARTS THEREOF. J. P. HONE CORPORATION, Youngstown, Ohio.
Original filed, act of 1905, Apr. 7, 1947; amended to application under act of 1946, Principal Register, July 28, 1947, Serial No. 520,278. Published June 14, 1949. Class 23.

515,250. DISPOSABLE BABY BIBS FABRICATED OF PAPER. BIB-EX CORPORATION, St. Louis, Mo.
Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Principal Register, Apr. 8, 1948, Serial No. 521,815. Published June 14, 1949. Class 37.

515,251. LETTER TRAYS AND CARD INDEX GUIDES. ROCKWELL-BARNES COMPANY, Chicago, Ill.
Original filed, act of 1905, May 8, 1947; amended to application under act of 1946, Principal Register, Apr. 16, 1948, Serial No. 521,824. Published May 10, 1949. Class 37.

515,252. INFANTS' KNITTED CREEPERS AND ROMPERS, BOYS' AND INFANTS' KNITTED SUITS, POLO SHIRTS, AND CARDIGANS. ANN FRANSELLA, doing business as Globe Kiddy Togs, Brooklyn, N. Y.
Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Nov. 18, 1948, Serial No. 522,408. Published June 7, 1949. Class 39.

515,253. METAL FLASKS FOR HOLDING COMPRESSED GASES AND PROVIDED WITH AN ASSOCIATED CONTROLLING VALVE FOR REGULATING THE DISCHARGE, ETC. BEACON DEVICES, North Tonawanda, N. Y.
Original filed, act of 1905, May 22, 1947; amended to application under act of 1946, Principal Register, Feb. 20, 1948, Serial No. 522,835. Published June 14, 1949. Class 23.

515,254. MEN'S AND BOYS' BOW TIES, NECKTIES, SHIRTS, SLACKS, PAJAMAS, SPORT COATS, SHORTS, SCARFS, UNDERWEAR, HANDKERCHIEFS, HOSIERY, COLLARS, CUFFS, SHOES, SWEATERS, GARTERS, AND HATS AND CAPS. SOL SHERMAN, doing business as Sherman Products, New York, N. Y.
Original filed, act of 1905, May 24, 1947; amended to application under act of 1946, Principal Register, Nov. 18, 1947, Serial No. 522,988. Published June 7, 1949. Class 39.

515,255. ERASERS, PENCILS, CRAYONS, RUBBER BANDS, PEN HOLDERS, PEN POINTS, AND FOUNTAIN PENS. A. W. FABER-CASTELL PENCIL CO., INC., Newark, N. J.
Original filed, act of 1905, June 14, 1947; amended to application under act of 1946, Principal Register, Oct. 25, 1947, Serial No. 524,177. Published June 14, 1949. Class 37.

515,256. AUTOMATIC ELECTRICALLY OPERATED HAMBURGER PATTY MOLDING MACHINE. HOLLY MOLDING DEVICES, INC., Chicago, Ill.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Feb. 14, 1948, Serial No. 524,463. Published June 7, 1949. Class 23.

515,257. MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, TIES, MUFFLERS, SOCKS, SWEATERS, SWIM SUITS, UNDERWEAR, SPORT SHIRTS, HATS, AND SHOES; WOMEN'S SUITS, BLOUSES, SKIRTS, SWEATERS, HOSIERY, HATS, AND SHOES. FASHION PARK, INC., Rochester, N. Y.
Original filed, act of 1905, June 20, 1947; amended to application under act of 1946, Principal Register, Nov. 7, 1947, Serial No. 524,534. Published June 7, 1949. Class 39.

515,258. RUBBER ERASERS AND BLACKBOARD ERASERS, LEAD PENCILS (WOOD ENCASED), CRAYON PENCILS, SLATE PENCILS, AND MECHANICAL PENCILS, CRAYONS, RUBBER BANDS, PEN HOLDERS, PEN POINTS, AND FOUNTAIN PENS. A. W. FABER-CASTELL PENCIL CO., INC., Newark, N. J.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 25, 1947, Serial No. 525,810. Published May 10, 1949. Class 37.

515,259. PAPER TAPE WITH A WIRE CORE FOR USE IN TYING UP PLANTS, VEGETABLES, FLOWERS, AND PACKAGES. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 526,590. Published May 17, 1949. Class 7.

515,260. PAPER TAPE WITH A WIRE CORE FOR USE IN TYING UP PLANTS, VEGETABLES, FLOWERS, AND PACKAGES. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 526,719. Published May 17, 1949. Class 7.

515,261. DYNAMOMETERS. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed July 5, 1947, Serial No. 527,433. Published Mar. 16, 1948. Class 26.

515,262. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,574. Published May 31, 1949. Class 37.

515,263. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,659. Published June 14, 1949. Class 37.

515,264. CYLINDER GRINDERS, HONING, GRINDING AND ABRADING MACHINES AND PARTS THEREOF, ETC. SUNNEN PRODUCTS COMPANY, St. Louis, Mo.
Filed July 21, 1947, Serial No. 529,111. Published June 7, 1949. Class 23.

515,265. WORK GLOVES MADE OF LEATHER AND CANTON FLANNEL. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 22, 1947, Serial No. 529,157. Published Oct. 12, 1948. Class 39.

515,266. PRINTED RECIPE CARDS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed July 26, 1947, Serial No. 529,626. Published May 24, 1949. Class 38.

515,267. MEN'S OUTER SHIRTS AND PAJAMAS. THE WILLOW SHIRT AND UNDERWEAR CORPORATION, New Haven, Conn., now by change of name The Willow Shirt Corporation, a corporation of Connecticut.
Filed July 26, 1947, Serial No. 529,737. Published Oct. 19, 1948. Class 39.

515,268. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. ADAMS-MILLIS CORPORATION, High Point, N. C
Filed Aug. 5, 1947, Serial No. 530,451. Published May 24, 1949. Class 39.

515,269. WOMEN'S AND GIRLS' OUTER GARMENTS, SUCH AS COATS, COSTUMES, WATERPROOF AND RAINPROOF COATS, AND MEN'S AND BOYS' SUITS, OVERCOATS, SPORT COATS, TROUSERS, AND WATERPROOF AND RAINPROOF COATS. SWALLOW RAINCOATS LIMITED, Birmingham, England.
Filed Aug. 7, 1947, Serial No. 530,784. Published May 24, 1949. Class 39.

515,270. MEN'S SUITS, VESTS, TROUSERS, AND VARIOUS TYPES OF COATS, AND FOR WOMEN'S SUITS, SKIRTS, SLACKS, AND VARIOUS TYPES OF COATS. THE ROYAL TAILORS INC., Chicago, Ill., assignor to Chicago Kahn Bros., Chicago, Ill., a corporation of Kentucky.
Filed Aug. 8, 1947, Serial No. 530,850. Published May 24, 1949. Class 39.

515,271. ROCK, ORE, SAND, AND GRAVEL HANDLING EQUIPMENT—NAMELY, GYRATORY, JAW AND ROLL CRUSHERS AND BREAKERS; ETC. SMITH ENGINEERING WORKS, Milwaukee, Wis.
Filed Aug. 8, 1947, Serial No. 530,863. Published June 14, 1949. Class 23.

515,272. CARBIDE TIPPED CIRCULAR SAWS. ARTHUR B. SEGAL, doing business as North American Products Company, Milwaukee, Wis.
Filed Aug. 9, 1947, Serial No. 530,970. Published June 7, 1949. Class 23.

515,273. MILL STOCK PAPER OTHER THAN BUILDING PAPER AND PRODUCTS THEREOF—NAMELY, MILL STOCK COVERS, BLANK TAGS, BLANK TICKETS, PRINTING BRISTOLS, FANCY PRINTED COVERS, AND SOILPROOF COVERS. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich.
Filed Aug. 19, 1947, Serial No. 531,834. Published June 14, 1949. Class 37.

515,274. CLUTCHES, POWER TAKE-OFF UNITS, REDUCTION GEAR UNITS, MARINE REVERSE GEARS, HYDRAULIC TORQUE CONVERTERS, AND HYDRAULIC COUPLINGS. TWIN DISC CLUTCH COMPANY, Racine, Wis.
Filed Aug. 16, 1947, Serial No. 532,408. Published June 14, 1949. Class 23.

515,275. CATALOGUES. THE SPERRY AND HUTCHINSON COMPANY, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,517. Published Mar. 1, 1949. Class 38.

515,276. STRIP OF CONTINUOUS FORM STATIONERY PROVIDED WITH SUPERPOSED PACKETS OF FORMS HAVING INTERLEAVED CARBON SHEETS. UARCO INCORPORATED, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,773. Published June 14, 1949. Class 37.

515,277. PRESSURE-FLUID OPERATED GRINDING, CUTTING, BUFFING, CLEANING, AND POLISHING TOOLS, PARTS, ETC. MADISON-KIPP CORPORATION, Madison, Wis.
Filed Aug. 29, 1947, Serial No. 532,840. Published June 7, 1949. Class 23.

515,278. WRAPPING PAPER. THE MUNISING PAPER COMPANY, Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 532,954. Published June 14, 1949. Class 37.

515,279. HANDKERCHIEFS AND SCARFS. GENERAL HANDKERCHIEF CORPORATION, New York, N. Y.
Filed Sept. 2, 1947, Serial No. 533,014. Published May 24, 1949. Class 39.

515,280. POWER-DRIVEN LAWNMOWERS. THE MOTO-MOWER COMPANY, Detroit, Mich.
Filed Sept. 2, 1947, Serial No. 533,041. Published June 7, 1949. Class 23.

515,281. RUBBERIZED THREAD. THE CLARK THREAD COMPANY, Wilmington, Del., and Clarkdale, Ga.
Filed Sept. 3, 1947, Serial No. 533,141. Published May 17, 1949. Class 43.

515,282. RUBBERIZED THREAD. THE CLARK THREAD COMPANY, Wilmington, Del., and Clarkdale, Ga.
Filed Sept. 3, 1947, Serial No. 533,143. Published May 17, 1949. Class 43.

515,283. HAND OPERATED HAND PUNCHES. MUTUAL STATIONERS SUPPLY CORPORATION, New York, N. Y.
Filed Sept. 3, 1947, Serial No. 533,189. Published June 7, 1949. Class 23.

515,284. MACHINES FOR ATTACHING METAL AND/OR PLASTIC BINDING ELEMENTS TO THE ARTICLE TO BE BOUND. GENERAL BINDING CORPORATION, Chicago, Ill.
Filed Sept. 5, 1947, Serial No. 533,560. Published June 7, 1949. Class 23.

515,285. OVERHEAD HOISTS. ROBBINS & MYERS, INC., Springfield, Ohio.
Filed Sept. 8, 1947, Serial No. 533,777. Published June 7, 1949. Class 23.

515,286. LOOSE LEAF RING BOOK COVERS. BOORUM & PEASE COMPANY, Brooklyn, N. Y.
Filed Sept. 10, 1947, Serial No. 533,982. Published May 10, 1949. Class 37.

515,287. TOOL BITS. SPARTAN SAW WORKS, INC., Springfield, Mass.
Filed Sept. 10, 1947, Serial No. 534,062. Published June 7, 1949. Class 23.

515,288. CLEANING RUBBER ERASERS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,114. Published June 7, 1949. Class 37.

515,289. SHEET METAL COILING MACHINES, SHEET METAL EDGE TRIMMING MACHINES, ETC. THE TORRINGTON MANUFACTURING COMPANY, Torrington, Conn.
Filed Sept. 11, 1947, Serial No. 534,208. Published June 7, 1949. Class 23.

515,290. WRENCHES, WRENCH SETS, WRENCH SOCKETS, AND TOOL HANDLES. J. H. WILLIAMS & Co., Buffalo, N. Y.
Filed Sept. 11, 1947, Serial No. 534,212. Published June 14, 1949. Class 23.

515,291. WOOD WORKING MACHINES CONSISTING OF ROUTING AND BORING MACHINES, ETC. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 11, 1947, Serial No. 534,358. Published June 14, 1949. Class 23.

515,292. RYE DOUGH CONDITIONER IN DEHYDRATED FORM USED TO ENHANCE THE AROMATIC ESTERS, FLAVORS, AND PHYSICAL APPEARANCE OF THE FINISHED BAKED LOAF. SUPERIOR BRANDS, INC., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,395. Published May 31, 1949. Class 46.

515,293. KNIFE SHARPENING MACHINES. THE ALDEN SPEARE'S SONS CO., Cambridge, Mass.
Filed Sept. 18, 1947, Serial No. 534,860. Published June 14, 1949. Class 23.

515,294. END SHEET PAPER, END LEAF PAPER, AND BINDER'S WASTE. SCHUYLKILL PAPER COMPANY, Philadelphia, Pa.
Filed Sept. 24, 1947, Serial No. 535,684. Published June 14, 1949. Class 37.

515,295. LADIES' UNDERGARMENTS — NAMELY, WOVEN UNDERWEAR AND SLIPS. LAROS TEXTILES COMPANY, Bethlehem, Pa.
Filed Sept. 25, 1947, Serial No. 535,720. Published May 31, 1949. Class 39.

515,296. MEN'S CLOTHING — NAMELY, COATS, VESTS, TROUSERS, OVERCOATS, AND TOP COATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed Sept. 26, 1947, Serial No. 535,852. Published May 10, 1949. Class 39.

515,297. COMPRESSION TOOLS FOR COMPRESSING WIRE CONNECTING AND TERMINATING SLEEVES UPON A WIRE, THE TERM WIRE INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, ROPE WIRES, AND THE LIKE. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed Oct. 3, 1947, Serial No. 536,627. Published June 14, 1949. Class 23.

515,298. COMPRESSION TOOLS FOR COMPRESSING WIRE CONNECTING AND TERMINATING SLEEVES UPON A WIRE, THE TERM WIRE INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, ROPE WIRES, AND THE LIKE. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed Oct. 3, 1947, Serial No. 536,708. Published June 14, 1949. Class 23.

515,299. MEN'S AND WOMEN'S SPORT, DRESS, AND WORK SHIRTS. COHN-GOLDWATER MANUFACTURING CO., Los Angeles, Calif.
Filed Oct. 9, 1947, Serial No. 537,293. Published May 31, 1949. Class 39.

515,300. FRESH CITRUS FRUITS. EAST WHITTIER CITRUS ASSOCIATION, Whittier, Calif.
Filed Oct. 14, 1947, Serial No. 537,793. Published May 31, 1949. Class 46.

515,301. BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENTS, AND ENVELOPES THEREFOR. KAROLTON ENVELOPE COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,801. Published June 14, 1949. Class 37.

515,302. LADIES' FULL FASHIONED AND SEAMLESS HOSIERY. NEBEL KNITTING COMPANY, Charlotte, N. C.
Filed Oct. 20, 1947, Serial No. 538,436. Published May 24, 1949. Class 39.

515,303. PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, ETC. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Oct. 22, 1947, Serial No. 538,691. Published June 14, 1949. Class 37.

515,304. TRADE MAGAZINES AND PUBLICATIONS CIRCULATING AMONG THE TRADE INTERESTED IN RUGS AND FLOOR COVERINGS AND CONTAINING ARTICLES, EDITORIAL MATTER AND ADVERTISEMENTS OF INTEREST TO SUCH TRADE. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,264. Published May 24, 1949. Class 38.

515,305. CUSTARD POWDER AND PUDDING POWDER; BREAD, CREAM CRACKERS, AND BISCUITS; BAKING CHOCOLATE AND CANDY. VICTOR BEKMAND STRAND, Copenhagen, Denmark.
Filed Oct. 30, 1947, Serial No. 539,577. Published May 31, 1949. Class 46.

515,306. PLOWS; HARROWS; TILLERS; AND SUBSOILERS. ATHENS PLOW COMPANY, Athens, Tenn.
Filed Oct. 31, 1947, Serial No. 539,624. Published June 7, 1949. Class 23.

515,307. CORSETS, GIRDLES, AND FOUNDATION GARMENTS. MASTERCRAFT FOUNDATIONS, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,726. Published May 31, 1949. Class 39.

515,308. FRESH VEGETABLES. JOS. & BEN. GETTINGER, Mission, Tex.
Filed Nov. 4, 1947, Serial No. 540,066. Published May 31, 1949. Class 46.

515,309. MAGAZINE RELATING TO DENTISTS AND DENTISTRY. DENTAL SURVEY PUBLICATIONS, Minneapolis, Minn.
Filed Nov. 6, 1947, Serial No. 540,261. Published June 7, 1949. Class 38.

515,310. ORANGE MARMALADE, APPLE BUTTER, FRUIT PRESERVES, JAMS, AND JELLIES. E. PRITCHARD, INC., Bridgeton, N. J.
Filed Nov. 6, 1947, Serial No. 540,315. Published May 31, 1949. Class 46.

515,311. CANNED GOODS—NAMELY, WHOLE OKRA; SLICED CARROTS; WHOLE BEETS; WHOLE GREEN STRINGLESS BEANS; SLICED BEETS; CUT STRINGLESS GREEN BEANS; SWEET POTATOES IN WATER; SWEET POTATOES IN SYRUP; OKRA DINNER; CUT OKRA; AND PICKLED PEPPERS. EVANGELINE PEPPER & FOOD PRODUCTS, INC., St. Martinville, La.
Filed Nov. 10, 1947, Serial No. 540,656. Published May 31, 1949. Class 46.

515,312. MEN'S NEGLIGEE SHIRTS, SHORTS, AND PAJAMAS. WAMSUTTA MILLS, New Bedford, Mass.
Filed Nov. 10, 1947, Serial No. 540,747. Published May 17, 1949. Class 39.

515,313. OVERALLS. ATLAS OVERALL COMPANY, Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,762. Published May 31, 1949. Class 39.

515,314. CAULKING GUNS. FRANZ KARL SCHNEIDER, doing business as Albion Engineering Co., Philadelphia, Pa.
Filed Nov. 14, 1947, Serial No. 541,198. Published June 7, 1949. Class 23.

515,315. CANDY BARS. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed Nov. 14, 1947, Serial No. 541,213. Published May 31, 1949. Class 46.

515,316. PIPE FITTINGS. STANLEY G. FLAGG & Co., INC., Philadelphia, Pa.
Filed Nov. 18, 1947, Serial No. 541,532. Published June 7, 1949. Class 13.

515,317. WRITING PAPER AND ENVELOPES. GEORGE B. HURD, INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,843. Published June 14, 1949. Class 37.

515,318. WRITING PAPER AND ENVELOPES. GEORGE B. HURD, INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,845. Published June 14, 1949. Class 37.

515,319. MEN'S AND BOYS' SUITS AND PANTS. FAMOUS-STERNBERG, INC., New Orleans, La.
Filed Dec. 1, 1947, Serial No. 542,825. Published June 7, 1949. Class 39.

515,320. PERIODICAL. HONOLULU STAR-BULLETIN, LTD., Honolulu, Territory of Hawaii.
Filed Dec. 1, 1947, Serial No. 542,830. Published May 31, 1949. Class 38.

515,321. PERIODICAL MAGAZINES, COMIC MAGAZINES. BERMAC ASSOCIATES INC., New York, N. Y.
Filed Dec. 9, 1947, Serial No. 543,770. Published June 7, 1949. Class 38.

515,322. MEN'S, LADIES', AND CHILDREN'S NIGHTGOWNS, PAJAMAS, AND UNDERWEAR, MADE OF RAYON, COTTON, AND SILK. WILLIAM RIFKIN & SONS, Philadelphia, Pa.
Filed Dec. 10, 1947, Serial No. 543,990. Published May 31, 1949. Class 39.

515,323. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, TROUSERS, AND VESTS, ETC. MARTIN'S, Brooklyn, N. Y.
Filed Dec. 15, 1947, Serial No. 544,361. Published May 31, 1949. Class 39.

515,324. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, TROUSERS, AND VESTS; AND MEN'S AND BOYS' FURNISHINGS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS, COLLARS, TIES, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, PAJAMAS, BATH ROBES, AND SOCKS. MARTIN'S, Brooklyn, N. Y.
Filed Dec. 15, 1947, Serial No. 544,362. Published May 31, 1949. Class 39.

515,325. LADIES' HOSE, KNITTED UNDERWEAR, AND UNDERWEAR OF TEXTILE FABRIC, ETC. MARTIN'S, Brooklyn, N. Y.
Filed Dec. 15, 1947, Serial No. 544,363. Published May 24, 1949. Class 39.

515,326. MEN'S AND BOYS' WORK AND SPORT CLOTHING—NAMELY, WORK SHIRTS, SPORT SHIRTS, WORK TROUSERS, OVERALLS, ETC. PERDUE MANUFACTURING COMPANY, INC., Athens, Ga.
Filed Dec. 15, 1947, Serial No. 544,382. Published May 31, 1949. Class 39.

515,327. HORSE FEED CONSISTING OF CRUSHED OATS, CRACKED YELLOW CORN, CANE MOLASSES, WHEAT BRAN, ALFALFA MEAL, OLD PROCESS LINSEED OIL MEAL, AND IODIZED SALT 1%. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,565. Published May 31, 1949. Class 46.

515,328. SCRATCH FEED CONSISTING OF CRACKED YELLOW CORN, WHEAT, MILO MAIZE, KAFFIR CORN, AND BARLEY, AND LAYING MASH FEED, ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,566. Published May 31, 1949. Class 46.

515,329. CHICK STARTER CONSISTING OF GROUND YELLOW CORN, WHEAT STANDARD MIDDLINGS, ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,567. Published May 31, 1949. Class 46.

515,330. CHICK FEED CONSISTING OF CRACKED YELLOW CORN AND CRACKED WHEAT, GROWING MASH, ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,568. Published May 31, 1949. Class 46.

515,331. HOG SUPPLEMENT FEED CONSISTING OF MEAT AND BONE SCRAPS; SOYBEAN OIL MEAL; ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,569. Published May 31, 1949. Class 46.

515,332. DAIRY FEED CONSISTING OF CLEANED, GROUND, AND BOLTED SCREENINGS FROM WHEAT, OATS, BARLEY, AND FLAX, ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,570. Published May 31, 1949. Class 46.

515,333. PIG MEAL CONSISTING OF WHEAT FLOUR MIDDLINGS, SOYBEAN OIL MEAL, ETC. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,571. Published May 31, 1949. Class 46.

515,334. WRITING AND PRINTING PAPER. HURLBUT PAPER COMPANY, South Lee, Mass.
Filed Oct. 22, 1947, Serial No. 544,659. Published June 7, 1949. Class 37.

515,335. LADIES' AND MISSES' PLAYSUITS, OVERALLS, SKI SUITS, SLACKS, BLOUSES, JACKETS, CULOTTES, BEACH ROBES, SUN SUITS, SHORTS. ART-MOR TOGS INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,838. Published May 31, 1949. Class 39.

515,336. FRESH VEGETABLES. W. & S. PACKING COMPANY, Salinas, Calif.
Filed Dec. 19, 1947, Serial No. 544,945. Published May 24, 1949. Class 46.

515,337. CANNED FOODS — NAMELY, CANNED FRUITS FOR SALADS, CANNED FRUIT COCKTAIL, CANNED PINEAPPLE JUICE, ETC. CHICAGO MACARONI COMPANY, Chicago, Ill.
Filed Dec. 20, 1947, Serial No. 544,975. Published May 31, 1949. Class 46.

515,338. BOYS' OUTER SHIRTS. SEA ISLAND MANUFACTURING COMPANY, INC., New York, N. Y., assignor to Tempest Shirt Mfg. Co., Inc., Jesup, Ga., a corporation of Georgia.
Filed Dec. 20, 1947, Serial No. 545,042. Published May 31, 1949. Class 39.

515,339. HANDLES OF HAMMERS. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed Dec. 24, 1947, Serial No. 545,338. Published June 7, 1949. Class 23.

515,340. THE FOLLOWING GOODS—NAMELY, CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN, ETC. WOOLRICH WOOLEN MILLS, Woolrich, Pa.
Filed Dec. 23, 1947, Serial No. 545,318. Published Mar. 29, 1949. Class 39.

515,341. MEN'S AND BOYS' HATS OF FELT, STRAW AND STRAW BRAID, CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN. STYLEPARK HATS, INC., Philadelphia, Pa.
Filed Dec. 24, 1947, Serial No. 545,408. Published May 24, 1949. Class 39.

515,342. FRESH APPLES. ESTATE OF WILLIAM S. DWINNELL, deceased, doing business as Dwinnell Bros. Orchards, Minneapolis, Minn.
Filed Dec. 26, 1947, Serial No. 545,464. Published May 31, 1949. Class 46.

515,343. CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, SLACKS, OVERALLS, COVERALLS, AND SHORT PANTS AND SHORT TROUSERS. JOLLY KIDS TOGS, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,483. Published June 7, 1949. Class 39.

515,344. MEN'S NEGLIGEE AND DRESS SHIRTS, PAJAMAS, AND SPORT SHIRTS. THE ENRO SHIRT COMPANY, Louisville, Ky.
Filed Dec. 31, 1947, Serial No. 545,832. Published May 31, 1949. Class 39.

515,345. REAMERS, BUSHING REMOVERS AND INSERTERS, PISTONS, ETC. L. O. BEARD TOOL COMPANY, Lancaster, Pa.
Filed Jan. 2, 1948, Serial No. 545,944. Published June 14, 1949. Class 23.

515,346. LADIES' AND MISSES' COATS AND SUITS. DAVE BELLSEY CO. INC., New York, N. Y.
Filed Jan. 2, 1948, Serial No. 545,946. Published June 7, 1949. Class 39.

515,347. LADIES' AND MISSES' COATS AND SUITS. DAVE BELLSEY CO. INC., New York, N. Y.
Filed Jan. 2, 1948, Serial No. 545,947. Published June 7, 1949. Class 39.

515,348. NON-ELECTRIC FLOOR POLISHERS AND METALWORKING AND WOODWORKING LATHES. RED DEVIL TOOLS, Irvington, N. J.
Filed Jan. 9, 1948, Serial No. 546,606. Published June 14, 1949. Class 23.

515,349. FLAVORINGS IN LIQUID AND POWDER FORM FOR USE IN THE PREPARATION OF FOODS SUCH AS ICE CREAM, CONFECTIONERY, CAKES, AND PASTRIES. STAR KAY WHITE, New York, N. Y.
Filed Jan. 10, 1948, Serial No. 546,732. Published May 31, 1949. Class 46.

515,350. MEN'S SPORTSHIRTS AND DRESS SHIRTS. SPECTATOR SPORTSWEAR COMPANY, Chicago, Ill.
Filed Jan. 12, 1948, Serial No. 546,800. Published May 10, 1949. Class 39.

515,351. MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS OF WOVEN FABRICS. OWEN SHELDON CORPORATION, New York, N. Y.
Filed Jan. 13, 1948, Serial No. 546,866. Published May 17, 1949. Class 39.

515,352. CAULKING GUNS. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Jan. 14, 1948, Serial No. 547,076. Published June 14, 1949. Class 23.

515,353. PROTECTIVE APPAREL MADE OF FABRIC FOR INDUSTRIAL WORKERS, THE ARTICLES OF APPAREL BEING GLOVES, MITTENS, ETC. THE OLYMPIC GLOVE COMPANY, INC., New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,143. Published June 7, 1949. Class 39.

515,354. SLEEPING GARMENTS FOR INFANTS. AGNES ALICE ELKINS, Elyria, Ohio.
Filed Jan. 16, 1948, Serial No. 547,249. Published May 24, 1949. Class 39.

515,355. KNITTED WEAR AND INFANTS' SPORT WEAR, ETC. SALVATORE FRAGALE, doing business as H. S. Fragale, New York, N. Y.
Filed Jan. 16, 1948, Serial No. 547,252. Published May 24, 1949. Class 39.

515,356. POLO SHIRTS, KNIT JACKETS, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed Jan. 16, 1948, Serial No. 547,270. Published May 17, 1949. Class 39.

515,357. CAULKING GUNS. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Jan. 16, 1948, Serial No. 547,300. Published June 14, 1949. Class 23.

515,358. CARPET SWEEPER. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Jan. 16, 1948, Serial No. 547,302. Published June 14, 1949. Class 23.

515,359. UNION SUITS, UNDERSHIRTS, DRAWERS, NEGLIGEE SHIRTS, POLO SHIRTS, OUTER SHIRTS, ETC. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed Jan. 17, 1948, Serial No. 547,359. Published May 24, 1949. Class 39.

515,360. WRITING INSTRUMENTS — NAMELY, FOUNTAIN PENS AND BALL POINT PENS. BROWN & BIGELOW, St. Paul, Minn.
Filed Jan. 21, 1948, Serial No. 547,612. Published June 14, 1949. Class 37.

515,361. CRAVATS. SWENNEY LITHOGRAPH COMPANY, INC., Belleville, N. J.
Filed Jan. 21, 1948, Serial No. 547,679. Published May 17, 1949. Class 39.

515,362. HOSIERY. M. K. M. HOSIERY MILLS, INC., Boston, Mass.
Filed Jan. 22, 1948, Serial 547,740. Published May 24, 1949. Class 39.

515,363. MEN'S SUITS, COATS, PANTS, VESTS, TOPCOATS, AND OVERCOATS. PINCUS BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed Jan. 22, 1948, Serial No. 547,762. Published June 7, 1949. Class 39.

515,364. HAIR CLIPPERS, BOTH ELECTRICALLY AND HAND OPERATED, AND PARTS THEREOF. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis.
Filed Jan. 23, 1948, Serial No. 547,869. Published June 14, 1949. Class 23.

515,365. PAPERBOARD. CORNELL WOOD PRODUCTS COMPANY, Cornell, Wis.
Filed Jan. 24, 1948, Serial No. 547,895. Published May 10, 1949. Class 37.

515,366. KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed Jan. 24, 1948, Serial No. 547,935. Published May 31, 1949. Class 39.

515,367. MEN'S, WOMEN'S, AND CHILDREN'S APPAREL—NAMELY, SWIMMING SUITS, TRUNKS, SWEATERS, JERSEYS, SCARVES, GARMENT BELTS, ETC. JANTZEN KNITTING MILLS INC., Portland, Oreg.
Filed Jan. 27, 1948, Serial No. 548,083. Published May 24, 1949. Class 39.

515,368. CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), STRING BEANS, AND PEAS. PORTLAND PACKING CO., Portland, Maine.
Filed Jan. 28, 1948, Serial No. 548,176. Published May 31, 1949. Class 46.

515,369. NECKTIES. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed Jan. 29, 1948, Serial No. 548,237. Published May 24, 1949. Class 39.

515,370. MECHANICAL PENCILS. GEVTIME-MONTANYE, INC., Baltimore, Md.
Filed Jan. 29, 1948, Serial No. 548,251. Published May 10, 1949. Class 37.

515,371. CHILDREN'S BATHING SUITS, TRUNKS, AND PLAYSUITS, COTTON AND WOOLEN KNIT POLO SHIRTS, CARDIGANS, AND PANTS. BERNARD VIETER, doing business as Manor Craft Co., New York, N. Y.
Filed Jan. 29, 1948, Serial No. 548,302. Published May 24, 1949. Class 39.

515,372. BANK CHECK COVERS, BANK PASSBOOKS, AND BOOK COVERS. COAST ENVELOPE COMPANY, Los Angeles, Calif.
Filed Jan. 30, 1948, Serial No. 548,331. Published June 14, 1949. Class 37.

515,373. INFANTS' SLEEPING GARMENTS. SWORMCO, Washington, D. C.
Filed Jan. 30, 1948, Serial No. 548,428. Published May 24, 1949. Class 39.

515,374. MAILING ENVELOPES. H. P. ANDREWS PAPER COMPANY, New York, N. Y.
Filed Feb. 4, 1948. Serial No. 548,709. Published May 31, 1949. Class 37.

515,375. SUITS AND TOPCOATS FOR MEN AND YOUNG MEN. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y.
Filed Feb. 4, 1948, Serial No. 548,727. Published May 24, 1949. Class 39.

515,376. SUITS AND OVERCOATS FOR MEN. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y.
Filed Feb. 4, 1948, Serial No. 548,733. Published May 24, 1949. Class 39.

515,377. SHOES AND SLIPPERS. STORM FOOT HEALTH SHOES, INC., Wilmington, Del.
Filed Feb. 5, 1948, Serial No. 548,877. Published May 24, 1949. Class 39.

515,378. COMBINATION UPLIFT BRA AND SLIP. GRADIS COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1948, Serial No. 549,243. Published May 24, 1949. Class 39.

515,379. POWER AND HAND DRIVEN HOISTS AND DERRICKS. CLIPPER MANUFACTURING COMPANY, Kansas City, Mo.
Filed Feb. 16, 1948, Serial No. 549,787. Published June 14, 1949. Class 23.

515,380. COULTERS DESIGNED FOR USE ON BREAKING PLOWS. IRENE SAEMANN, doing business as Lake City Machine Shop, Mentone, Ind., assignor, by mesne assignments to Frank Manufacturing Co., Inc., Mentone, Ind., a corporation of Indiana.
Filed Feb. 16, 1948, Serial No. 549,845. Published June 14, 1949. Class 23.

515,381. LADIES' SLIPS, BED JACKETS, AND NIGHT GOWNS. UNITED MILLS CORPORATION, Mount Gilead, N. C.
Filed Feb. 17, 1948, Serial No. 549,991. Published May 31, 1949. Class 39.

515,382. CORN SHELLERS, FEED MIXERS, AND GRAIN CONVEYORS. SCOTTDEL, INC., Swanton, Ohio.
Filed Feb. 18, 1948, Serial No. 550,076. Published June 14, 1949. Class 23.

515,383. WOMEN'S AND CHILDREN'S WEARING APPAREL, ETC. ALICE FROCK COMPANY, San Francisco, Calif.
Filed Feb. 20, 1948, Serial No. 550,202. Published June 7, 1949. Class 39.

515,384. SAW MILLS. AMERICAN SAW MILL MACHINERY COMPANY, Hackettstown, N. J.
Filed Feb. 25, 1948, Serial No. 550,476. Published June 14, 1949. Class 23.

515,385. STRETCHING OR TENSIONING TOOLS, SEALING TOOLS, ETC. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed Feb. 25, 1948, Serial No. 550,561. Published June 14, 1949. Class 23.

515,386. TIES (FOR WEAR), DRESSING GOWNS, AND SCARVES. MICHELSONS LIMITED, London E. C. 2., England.
Filed Feb. 28, 1948, Serial No. 550,816. Published May 31, 1949. Class 39.

515,387. BURNISHING MACHINES. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed Mar. 2, 1948, Serial No. 550,987. Published June 14, 1949. Class 23.

515,388. PLASTIC APRONS. R C PRODUCTS INC., Brooklyn, N. Y.
Filed Mar. 2, 1948, Serial No. 551,043. Published June 7, 1949. Class 39.

515,389. PROTECTIVE APPAREL MADE OF FABRIC FOR INDUSTRIAL WORKERS, THE ARTICLES OF APPAREL BEING GLOVES, ETC. THE OLYMPIC GLOVE COMPANY, INC., New York, N. Y.
Filed Mar. 4, 1948, Serial No. 551,192. Published May 24, 1949. Class 39.

515,390. LAWN MOWERS, POWER DRIVEN. POWER DEVELOPMENT CO., INC., Cleveland, Ohio.
Filed Mar. 5, 1948, Serial No. 551,309. Published June 7, 1949. Class 23.

515,391. PISTON SKIRT EXPANDERS. SIMPLEX PISTON RING MFG. COMPANY, Cleveland, Ohio.
Filed Mar. 8, 1948, Serial No. 551,483. Published June 7, 1949. Class 23.

515,392. CHUCKS AND COLLETS. MCCROSKY TOOL CORPORATION, Meadville, Pa.
Filed Mar. 11, 1948, Serial No. 551,718. Published June 14, 1949. Class 23.

515,393. PORTABLE LOAD WEIGHING SCALES, MECHANICALLY AND ELECTRICALLY OPERATED. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md.
Filed Mar. 12, 1948, Serial No. 551,760. Published May 24, 1949. Class 26.

515,394. PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed Mar. 13, 1948, Serial No. 551,844. Published May 31, 1949. Class 38.

515,395. FUR SCARFS, STOLES, JACKETS, CAPES, AND COATS. J. WEINIG & SON, New York, N. Y.
Filed Mar. 15, 1948, Serial No. 552,026. Published May 24, 1949. Class 39.

515,396. TAP, DRILL, AND WIRE GAGES. THE L. S. STARRETT COMPANY, Athol, Mass.
Filed Mar. 16, 1948, Serial No. 552,096. Published June 7, 1949. Class 26.

515,397. HAT BODIES. HENRY POLLAK, INC., New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,269. Published May 24, 1949. Class 39.

515,398. SEWING MACHINES AND ATTACHMENTS. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill.
Filed Dec. 20, 1947, Serial No. 552,357. Published June 7, 1949. Class 23.

515,399. SEWING MACHINES AND ATTACHMENTS. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill.
Filed Dec. 20,1947, Serial No. 552,358. Published June 7, 1949. Class 23.

515,400. ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. AMERICAN MANUFACTURING COMPANY, Brooklyn, N. Y., and Boston, Mass.
Filed Dec. 30, 1947, Serial No. 552,384. Published May 10, 1949. Class 7.

515,401. TESTING INSTRUMENTS FOR THE ELECTRIC WIRING OF AUTOMOBILES. HERBERT RICHARD SHAW, Hints, England.
Filed Mar. 18, 1948, Serial No. 552,557. Published June 7, 1949. Class 26.

515,402. INTERCHANGEABLE TUBULAR GLASS PARTS, STOPPERS AND STOP-COCKS FOR GLASS CHEMICAL APPARATUS AND GLASS SCIENTIFIC APPLIANCES FOR LABORATORY USES. SCIENTIFIC GLASS APPARATUS CO., INC., Bloomfield, N. J.
Filed Mar. 26, 1948, Serial No. 553,136. Published June 7, 1949. Class 26.

515,403. MEN'S WORK GLOVES CONSTRUCTED OF HORSEHIDE LEATHER. WOLVERINE SHOE & TANNING CORPORATION, Rockford, Mich.
Filed Mar. 29, 1948, Serial No. 553,331. Published May 31, 1949. Class 39.

515,404. COLUMN IN A NEWSPAPER. THE BROOKLYN EAGLE, INC., Brooklyn, N. Y.
Filed Mar. 30, 1948, Serial No. 553,337. Published May 31, 1949. Class 38.

515,405. TISSUE PAPER. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed Mar. 31, 1948, Serial No. 553,479. Published May 17, 1949. Class 37.

515,406. ELECTRONIC COMPUTING APPARATUS AND COMPONENTS THEREOF. ECKERT-MAUCHLY COMPUTER CORPORATION, Philadelphia, Pa.
Filed Apr. 5, 1948, Serial No. 553,827. Published June 7, 1949. Class 26.

515,407. CHILDREN'S WEARING APPAREL—NAMELY, ROMPERS, OVERALLS, COVERALLS, CREEPERS, SHORTS, DRESSES, JACKETS, SUITS, AND TROUSERS. INDIAN RIVER TEXTILE CO., INC., Ozark, Ala.
Filed Apr. 5, 1948, Serial No. 553,862. Published May 31, 1949. Class 39.

515,408. LADIES' HATS. HARRY CAMP MILLINERY COMPANY, San Francisco, Calif.
Filed Apr. 13, 1948, Serial No. 554,471. Published May 24, 1949. Class 39.

515,409. LADIES' HATS. HARRY CAMP MILLINERY COMPANY, San Francisco, Calif.
Filed Apr. 13, 1948, Serial No. 554,472. Published May 24, 1949. Class 39.

515,410. COMIC DRAWINGS, PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed Apr. 13, 1948, Serial No. 554,536. Published May 31, 1949. Class 38.

515,411. SPIRIT LEVELS. EXACT LEVEL & TOOL MFG. CO., INC., High Bridge, N. J.
Filed Apr. 14, 1948, Serial No. 554,556. Published June 7, 1949. Class 26.

515,412. CHILDREN'S CLOTHING—NAMELY, OVERALLS, ROMPERS, PLAY SUITS. PLAIKINS, INCORPORATED, New York, N. Y.
Filed Apr. 14, 1948, Serial No. 554,596. Published May 24, 1949. Class 39.

515,413. INFANTS' AND CHILDREN'S DRESSES. LITTLE DEBS DRESS MANUFACTURING CO. INC., St. Louis, Mo.
Filed Apr. 15, 1948, Serial No. 554,679. Published June 7, 1949. Class 39.

515,414. CHILDREN'S CLOTHING—NAMELY, COATS, HATS, SUITS, DRESSES, JUMPERS, ETC. I. MILLER & COMPANY LIMITED, London, England.
Filed Apr. 16, 1948, Serial No. 554,802. Published June 7, 1949. Class 39.

515,415. CORSETS, GIRDLES, AND BRASSIÈRES. THE BERGER BROTHERS COMPANY, New Haven, Conn.
Filed Apr. 19, 1948, Serial No. 554,945. Published June 7, 1949. Class 39.

515,416. FABRIC GLOVES AND MITTENS. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed Apr. 20, 1948, Serial No. 555,050. Published May 31, 1949. Class 39.

515,417. GLOVES AND MITTENS OF LEATHER, FABRIC, AND COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill.
Filed Apr. 20, 1948, Serial No. 555,051. Published May 31, 1949. Class 39.

515,418. LADIES' SLIPS, LOUNGING ROBES, AND PAJAMAS. WALTER S. SOSIN, New York, N. Y.
Filed Apr. 22, 1948, Serial No. 555,314. Published May 31, 1949. Class 39.

515,419. HAND KNITTING YARNS MADE FROM WOOL. SEWING SILKS LIMITED, Middlesex, England.
Filed Apr. 23, 1948, Serial No. 555,456. Published May 24, 1949. Class 43.

515,420. SEWING THREADS. MAX POLLACK & CO., INC., New York, N. Y.
Filed Apr. 26, 1948, Serial No. 555,613. Published May 10, 1949. Class 43.

515,421. HAIR NETS. CHAS. K. THAU, doing business as Laura Hair Novelty Co., New York, N. Y.
Filed Apr. 27, 1948, Serial No. 555,708. Published May 31, 1949. Class 39.

515,422. BOOKS. QUINN PUBLISHING COMPANY, INCORPORATED, Kingston, N. Y.
Filed May 7, 1948, Serial No. 556,485. Published May 24, 1949. Class 38.

515,423. ANNUAL PUBLICATION. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn., Chicago, Ill., and New York, N. Y.
Filed May 11, 1948, Serial No. 556,828. Published May 31, 1949. Class 38.

515,424. PERIODICAL. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn., Chicago, Ill., and New York, N. Y.
Filed May 11, 1948, Serial No. 556,829. Published May 31, 1949. Class 38.

515,425. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed May 15, 1948, Serial No. 557,137. Published June 7, 1949. Class 26.

515,426. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed May 15, 1948, Serial No. 557,138. Published June 7, 1949. Class 26.

515,427. MIMEOGRAPHED MONTHLY SERVICE BULLETIN. HEATING PUBLISHERS, INC., New York, N. Y.
Filed May 17, 1948, Serial No. 557,192. Published June 7, 1949. Class 38.

515,428. LORGNETTES, EYEGLASSES, AND SPECTACLES, AND OPERA GLASSES, MARINE GLASSES, FIELD GLASSES, ETC. LUCERNE, INC., New York, N. Y.
Filed May 19, 1948, Serial No. 557,367. Published June 7, 1949. Class 26.

515,429. PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed May 25, 1948, Serial No. 557,741. Published May 24, 1949. Class 38.

515,430. BRASSIÈRES. NINON BRASSIERE MFG. CO., New York, N. Y.
Filed June 2, 1948, Serial No. 558,314. Published June 7, 1949. Class 39.

515,431. PERIODICALS, PUBLISHED BI-MONTHLY. THE CHASE BAG COMPANY, New York, N. Y.
Filed June 4, 1948, Serial No. 558,465. Published June 7, 1949. Class 38.

515,432. SPECTACLE FRAMES MADE OF PLASTIC MATERIAL. VICTORY OPTICAL MANUFACTURING COMPANY, Newark, N. J.
Filed June 4, 1948, Serial No. 558,537. Published June 7, 1949. Class 26.

515,433. WOMEN'S NEGLIGEES, PAJAMAS, NIGHTGOWNS, ETC. UNIVERSAL LABORATORIES, INC., East Orange, N. J.
Filed June 5, 1948, Serial No. 358,604. Published May 31, 1949. Class 39.

515,434. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed June 8, 1948, Serial No. 558,726. Published June 7, 1949. Class 26.

515,435. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed June 9, 1948, Serial No. 558,793. Published June 7, 1949. Class 26.

515,436. YARNS CONTAINING 71 PERCENT VIRGIN WOOL AND 29 PERCENT RAYON. JAMES LEES AND SONS COMPANY, Bridgeport, Pa.
Filed June 10, 1948, Serial No. 558,886. Published May 10, 1949. Class 43.

515,437. YARNS. JAMES LEES AND SONS COMPANY, Bridgeport, Pa.
Filed June 10, 1948, Serial No. 558,890. Published May 10, 1949. Class 43.

515,438. YARNS CONTAINING 71 PER CENT VIRGIN WOOL AND 29 PER CENT RAYON. JAMES LEES AND SONS COMPANY, Bridgeport, Pa.
Filed June 10, 1948, Serial No. 558,892. Published May 10, 1949. Class 43.

515,439. PERIODICAL PUBLICATIONS, PAMPHLETS, BOOKLETS, AND CATALOGS. BURROUGHS WELLCOME & Co. (U. S. A.) INC., Tuckahoe, N. Y.
Filed June 18, 1948, Serial No. 559,576. Published June 7, 1949. Class 38.

515,440. OPTICAL GOODS—NAMELY, OPERA GLASSES, TELESCOPES, LENSES, AND MOUNTINGS FOR LENSES AND BINOCULARS. J & M PRODUCTS Co., Brooklyn, N. Y.
Filed June 26, 1948, Serial No. 560,275. Published May 24, 1949. Class 26.

515,441. MAGAZINE OR PERIODICAL PUBLISHED MONTHLY AND/OR OTHER INTERVALS. THE BILLBOARD PUBLISHING Co., Cincinnati, Ohio, and New York, N. Y.
Filed July 2, 1948, Serial No. 560,600. Published May 24, 1949. Class 38.

515,442. CARTOONS FOR USE IN ADVERTISING. MACART ADVERTISING COMPANY, assignor to John L. McNAY, Kansas City, Mo.
Filed July 15, 1948, Serial No. 561,473. Published June 7, 1949. Class 38.

515,443. NEWSPAPER COLUMN. SHOPPING WITH NANCY, Chicago, Ill.
Filed July 28, 1948, Serial No. 562,409. Published June 7, 1949. Class 38.

515,444. MONTHLY PUBLICATION. PERSON'S INDEX FACTS ON FILE, INC., New York, N. Y.
Filed July 29, 1948, Serial No. 562,491. Published June 7, 1949. Class 38.

515,445. INFANT DRESSES, DRESS SETS, CHRISTENING SETS, ETC. PHILIPPINE EMBROIDERY CORP., New York, N. Y.
Filed Aug. 4, 1948, Serial No. 562,804. Published May 24, 1949. Class 39.

515,446. PICTORIAL HUMOROUS PERIODICAL, WHISPER, INC., New York, N. Y.
Filed Aug. 5, 1948, Serial No. 562,894. Published June 7, 1949. Class 38.

515,447. PERIODICAL PRINTED PUBLICATIONS (CONSISTING WHOLLY OR MAINLY OF FICTION). POCKET PUBLICATIONS LIMITED, London, England.
Filed Aug. 14, 1948, Serial No. 563,430. Published June 7, 1949. Class 38.

515,448. PERIODICALS PUBLISHED ANNUALLY IN VARIOUS FIELDS—NAMELY, ARCHITECTURE, ETC. F. W. DODGE CORPORATION, New York, N. Y.
Filed Aug. 18, 1948, Serial No. 563,667. Published June 7, 1949. Class 38.

515,449. HAND KNITTING YARNS. BOTANY MILLS, INC., Passaic, N. J.
Filed Sept. 10, 1948, Serial No. 564,924. Published May 10, 1949. Class 43.

515,450. HAND KNITTING YARNS. BOTANY MILLS, INC., Passaic, N. J.
Filed Sept. 10, 1948, Serial No. 564,925. Published May 10, 1949. Class 43.

515,451. NYLON SEWING THREAD. BELDING HEMINWAY COMPANY, INC., New York, N. Y.
Filed Sept. 14, 1948, Serial No. 565,109. Published May 10, 1949. Class 43.

515,452. WEAVING YARNS—NAMELY, UPHOLSTERY AND TAPESTRY YARNS, PILE FABRIC COATING YARNS, AND SUITING YARNS, ETC. LIMERICK YARN MILLS, Manchester, N. H.
Filed Sept. 27, 1948, Serial No. 565,944. Published June 7, 1949. Class 43.

515,453. KNITTING YARN. MCCROSKY STORES CORPORATION, New York, N. Y.
Filed Nov. 17, 1948, Serial No. 568,966. Published May 24, 1949. Class 43.

515,454. BOLTS, SCREWS, NUTS, LOCK NUTS, METAL WASHERS, LOCK WASHERS, ETC. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Nov. 20, 1948, Serial No. 569,134. Published May 3, 1949. Class 13.

515,455. SPEEDOMETERS, AMMETERS, OIL GAUGES, FUEL GAUGES, TEMPERATURE INDICATING GAUGES, THERMOSTATS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Nov. 20, 1948, Serial No. 569,145. Published Mar. 29, 1949. Class 26.

515,456. HARD FIBER TWINE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed Nov. 22, 1948, Serial No. 569,231. Published May 24, 1949. Class 7.

515,457. CLOTHES LINES SOLD IN BULK AND IN INDIVIDUAL LENGTHS. CLEVELAND MILL AND POWER COMPANY, Lawndale, N. C.
Filed Dec. 9, 1948, Serial No. 570,248. Published June 14, 1949. Class 7.

515,458. THREAD AND YARN. W. WARREN THREAD WORKS, Westfield, Mass.
Filed Dec. 20, 1948, Serial No. 570,869. Published June 14, 1949. Class 43.

515,459. SHOES OF LEATHER. VAISEY-BRISTOL SHOE COMPANY, INCORPORATED, Rochester, N. Y.
Filed Mar. 22, 1949, Serial No. 575,878. Published June 14, 1949. Class 39.

515,460. SYNTHETIC THREADS AND YARNS. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England.
Filed Mar. 30, 1949, Serial No. 576,331. Published June 7, 1949. Class 43.

Service Marks

515,461. BUSINESS AND MANAGEMENT PLANNING AND CONSULTATION SERVICES. BUSINESS COLLABORATORS INCORPORATED, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,304. Published Nov. 30, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

515,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. P. IMRIE AND SONS, Baltimore, Md. Original filed, act of 1905, May 20, 1946; amended to application under act of 1946, Supplemental Register, May 12, 1948, Serial No. 502,439.

"A Pip of a Chip"

Applicant claims ownership of Registration No. 400,572.
FOR POTATO CHIPS.
Claims use since Jan. 1, 1937.

515,463. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FELDCO LOOSE LEAF CORPORATION, Chicago, Ill. Original filed, act of 1905, June 25, 1946; amended to application under act of 1946, Supplemental Register, Apr. 7, 1949, Serial No. 504,538.

Vinyl-Tex

FOR COVERING MATERIALS FOR LOOSE-LEAF BINDERS IN THE NATURE OF A LEATHER SUBSTITUTE.
Claims use since September 1945.

515,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) M. K. HALVORSON, Dows, Iowa. Original filed, act of 1905, July 15, 1946; amended to application under act of 1946, Supplemental Register, July 19, 1948, Serial No. 505,647.

CONSOLITE

FOR MAGNETIC SOUND RECORDS OF THE DISC, TAPE, WIRE, AND FILM TYPE, AND ELECTRIC SOUND RECORDING APPARATUS.
Claims use since July 9, 1946.

515,465. (CLASS 39. CLOTHING.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Supplemental Register, Dec. 10, 1948, Serial No. 509,461.

Lord Carroll

The mark "Lord Carroll" is a fanciful name. Applicant claims ownership of Registration No. 267,617.

FOR COATS, SUITS, MACKINAWS, JACKETS, SPORT COATS, RAINCOATS, SLACKS, SLACK SUITS, TROUSERS, OUTER AND UNDER SHORTS, SWEATERS, OUTER AND UNDER SHIRTS, UNDERWEAR, PAJAMAS, ROBES, STOCKINGS, SOCKS, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, NECKTIES, SCARVES, MUFFLERS, AND HANDKERCHIEFS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since July 19, 1946.

515,466. (CLASS 39. CLOTHING.) SOL SHERMAN, doing business as Sherman Products, New York, N. Y. Original filed, act of 1905, Sept. 24, 1946; amended to application under act of 1946, Supplemental Register, Dec. 2, 1947, Serial No. 509,677.

REVERSO

FOR NECKTIES.
Claims use since July 19, 1946.

515,467. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SCOTT SIGNS COMPANY, Chicago, Ill. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, June 26, 1948; amended to Supplemental Register, Nov. 19, 1948, Serial No. 510,733.

SCOTT SIGNS

Applicant disclaims the word "Signs" apart from the mark.
FOR NON-ELECTRICAL SIGNS AND NON-ELECTRICAL LETTERS FOR SIGNS CAST IN ALUMINUM OR BRONZE, SUCH SIGNS CONSISTING OF INDIVIDUAL LETTERS OR GROUPS OF LETTERS FOR THE PURPOSE OF BEING PLACED ON BUILDINGS AND THE LIKE.
Claims use since Sept. 6, 1946.

515,468. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILIBERT DECK, Zurich, Switzerland. Original filed, act of 1905, Oct. 26, 1946, amended to application under act of 1946, Supplemental Register, Sept. 5, 1947, Serial No. 511,574.



The representation of the calendar roll shown is disclaimed apart from the mark. Applicant claims ownership of Switzerland Registration No. 114,407, dated Jan. 5, 1946.
FOR TEXTILE MACHINERY, PARTS AND ACCESSORIES THEREOF—NAMELY, TEXTILE PRINTING MACHINES, STRETCHING FRAMES, CALENDARS, AND CALENDAR ROLLS.

515,469. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) STERLING-FREELAND INDUSTRIES, INC., Chicago, Ill., by change of name from Home Service Bureau, Inc. Original filed, act of 1905, Dec. 5, 1946; amended to application under act of 1946, Supplemental Register, Nov. 16, 1948, Serial No. 513,739.



FOR DRAFTING KITS.
Claims use since December 1945.

515,470. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN JACOBS, doing business as Golden Gate Products, Berkeley, Calif. Original filed, act of 1905, Dec. 20, 1946; amended to application under act of 1946, Supplemental Register, Dec. 26, 1947, Serial No. 514,607.

SPI-C-PAK

FOR CANNED SPICED FRUITS.
Claims use since Dec. 6, 1946.

515,471. (CLASS 38. PRINTS AND PUBLICATIONS.) DECCA RECORDS, INC., New York, N. Y. Original filed, act of 1905, Feb. 19, 1947; amended to application under act of 1946, Supplemental Register, Feb. 12, 1949, Serial No. 517,777.

SING-ALONG-BOOK

FOR SERIES OF BOOKS.
Claims use since Jan. 27, 1947.

515,472. (CLASS 19. VEHICLES.) HOLSCLAW BROS., INC., Evansville, Ind. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Supplemental Register, Mar. 4, 1948, Serial No. 519,661.

THE BOAT—ROADSTER

FOR WHEELED TRAILERS FOR MOUNTING, TRANSPORTING, LAUNCHING AND RETRIEVING BOATS.
Claims use since Feb. 10, 1947.

515,473. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) W. N. MATTHEWS CORPORATON, St. Louis, Mo. Original filed, act of 1905, Apr. 11, 1947; amended to application under act of 1946, Principal Register, July 5, 1947; amended to Supplemental Register May 20, 1949, Serial No. 520,516.

LAMPLIGHTER

FOR THERMOSTATIC ELECTRIC-RELAY SWITCHES FOR USE IN STREET-LIGHTING CIRCUITS.
Claims use since Feb. 21, 1947.

515,474. (CLASS 37. PAPER AND STATIONERY.) HOFFMASTER PAPER COMPANY, INC., Oshkosh, Wis. Original filed, act of 1905, Apr. 24, 1947; amended to application under act of 1946, Supplemental Register, July 20, 1948, Serial No. 521,258.

craftmaster

FOR PAPER NAPKINS.
Claims use since Mar. 6, 1947.

515,475. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STEPHEN A. KOWALSKI, doing business as South Bend Fabric Mat Company, South Bend, Ind. Original filed, act of 1905, May 2, 1947; amended to application under act of 1946, Supplemental Register, Jan. 21, 1949, Serial No. 521,737.

ALL AMERICAN

FOR DOOR MATS AND FLOOR MATS MADE OF A COMBINATION OF METAL AND RUBBER.
Claims use since Mar. 25, 1947.

515,476. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RUSSELL PIERCE, doing business as Pierce Company, San Francisco, Calif. Original filed, act of 1905, May 8, 1947; amended to application under act of 1946, Supplemental Register, Jan. 7, 1949, Serial No. 522,089.

PETS MESS-KIT

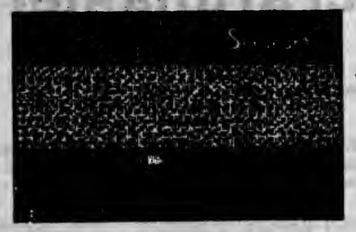
FOR CLEAN UP KIT FOR CATS AND DOGS CONSISTING OF PAPER BAGS, PAPER TOWELING, A SPONGE, A CURRY COMB, A PACKAGE OF WOODEN SPOONS, A GOOD CONDUCT CERTIFICATE AND A PACKAGE OF BONE SHAPED DOG BISCUITS FOR A REWARD.
Claims use since Sept. 27, 1946.

515,477. (CLASS 12. CONSTRUCTION MATERIALS.) G. T. HENDRICKS, doing business as Trucrete Products, Kansas City, Kans. Original filed, act of 1905, May 26, 1947; amended to application under act of 1946, Supplemental Register, Sept. 7, 1948, Serial No. 523,683.

Tru-Crete

FOR BLOCKS FORMED OF CEMENTITIOUS SUBSTANCES AND USED IN FORMING WALLS, PARTITIONS, FLOORS, CEILINGS, AND OTHER PARTS OF BUILDING STRUCTURES.
Claims use since Feb. 16, 1947.

515,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Original filed, act of 1905, June 17, 1947; amended to application under act of 1946, Principal Register, Oct. 28, 1947; amended to Supplemental Register, July 14, 1949, Serial No. 524,345.



The drawing is lined for red and yellow. Applicant claims ownership of Registrations Nos. 388,109, 300,694, 223,439, and 331,357.

FOR TICK KILLER IN POWDER FORM AND SKIN BALM FOR USE ON DOGS.

Claims use since Apr. 29, 1947, on skin balm; and since May 23, 1947, on tick killer.

515,479. (CLASS 39. CLOTHING.) BELRICH CORPORATION, New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Supplemental Register, May 14, 1948, Serial No. 525,533.

KRU

FOR KNITTED AND WOVEN UNDERWEAR, OUTER SHIRTS AND SWEATERS FOR MEN, WOMEN, CHILDREN, AND INFANTS.

Claims use since Apr. 1, 1947.

515,480. (CLASS 38. PRINTS AND PUBLICATIONS.) PLANE FACTS PUBLISHING COMPANY, Dayton, Ohio. Original filed, act of 1946, Principal Register, July 21, 1947; amended to application, Supplemental Register, May 23, 1949, Serial No. 529,083.

plane facts

FOR PERIODICAL PUBLICATIONS.

Claims use since Dec. 5, 1945.

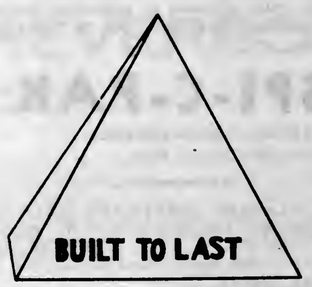
515,481. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PANEP MANUFACTURING CO. INC., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Aug. 5, 1947; amended to application, Supplemental Register, May 11, 1949, Serial No. 530,558.

Retriev-a Buoy

FOR MINIATURE BUOY FOR AIDING IN THE LOCATION AND RECOVERY OF SUBMERGED ARTICLES.

Claims use since Jan. 31, 1947.

515,482. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) E. L. CHRISMAN COMPANY, INC., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Sept. 2, 1947; amended to application, Supplemental Register, Feb. 15, 1949, Serial No. 533,004.



FOR EQUIPMENT FOR DRY CLEANING AND COMMERCIAL LAUNDRY—NAMELY, GARMENT PRESSES, SPOTTING BOARDS, FINISHING BOARDS, PUFF SETS, GRID PLATES, AND VALVES.

Claims use since Mar. 1, 1947.

515,483. (CLASS 34. HEATING, LIGHTING AND VENTILATING APPARATUS.) KUHLMAN ELECTRIC CO., Bay City, Mich. Filed Sept. 10, 1947, Serial No. 534,027.

DETROIT ROCKING ELECTRIC FURNACE

FOR ELECTRIC ROCKING FURNACES.

Claims use since 1917.

515,484. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NYE K. ELWARD, Altadena, Calif. Original filed, act of 1946, Principal Register, Sept. 22, 1947; amended to application, Supplemental Register, June 11, 1949, Serial No. 535,232.

O-PIN-AID

FOR HAIRPIN OPENERS.

Claims use since Aug. 10, 1947.

515,485. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PETER PINTO, doing business as Shirley White Polish Co., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Sept. 29, 1947; amended to application, Supplemental Register, Oct. 7, 1948, Serial No. 536,131.

Shirley White

"Shirley White" is a fanciful name and does not indicate any person.

FOR SHOE POLISH FOR ALL WHITE SHOES.

Claims use since July 1946.

515,486. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Original filed, act of 1946, Principal Register, Oct. 10, 1947; amended to application, Supplemental Register, Oct. 8, 1948, Serial No. 537,537.

FAMOUS FOR ITS LATHER

Applicant claims ownership of Registration No. 165,883.

FOR SHAVING SOAP.

Claims use since Oct. 5, 1898.

515,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VALLEY PACKING COMPANY, Salem, Oreg. Original filed, act of 1946, Principal Register, Oct. 17, 1947; amended to application, Supplemental Register, Jan. 3, 1949, Serial No. 538,201.



FOR SMOKED BACON.

Claims use since Feb. 13, 1933.

515,488. (CLASS 37. PAPER AND STATIONERY.) BUTLER PAPER CORPORATIONS, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 30, 1947; amended to application, Supplemental Register, Oct. 7, 1948, Serial No. 539,489.

MELOTONE

Applicant claims ownership of Registration No. 175,271.

FOR BOOK PAPER, COVER PAPERS AND POST CARD STOCK.

Claims use since March 1922.

515,489. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JOHN I. HAAS, INC., Washington, D. C. Original filed, act of 1946, Principal Register, July 10, 1947; amended to application, Supplemental Register, April 27, 1948, Serial No. 539,819.

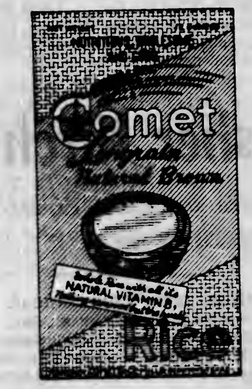
CALIFORNIA GOLDING

Applicant claims ownership of Registrations Nos. 341,020, 287,205, 341,021, 341,022, and 341,028.

FOR HOPS.

Claims use since Apr. 1, 1931.

515,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMET RICE MILLS, INC., Beaumont, Tex. Original filed, act of 1946, Principal Register, Nov. 24, 1947; amended to application, Supplemental Register, May 24, 1949, Serial No. 542,084.



The drawing is lined for the colors yellow, brown, and blue, and the lining in the bowl representing a cellophane window in the carton. Applicant claims ownership of Registrations Nos. 77,427, 92,589, 189,265, 179,468, 390,471, 412,854.

FOR RICE.

Claims use since Sept. 23, 1941.

515,491. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SCULLY RUBBER MFG. CO., Baltimore, Md. Filed Dec. 24, 1947, Serial No. 545,294.

Scully

FOR TANK BALLS.
Claims use since May 1, 1928.

515,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCVEIGH & COMPANY, INC., Kansas City, Mo. Original filed, act of 1946, Principal Register, Jan. 26, 1948; amended to application, Supplemental Register, June 22, 1949, Serial No. 548,009.

McVEIGH FEEDS "Supply Your Needs"

FOR POULTRY AND LIVESTOCK FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE GRAIN, SEED SCREENINGS, BRAN, SHORTS, VEGETABLE PROTEIN, ANIMAL PROTEIN, MINERALS, VITAMINS, AND MOLASSES.
Claims use since Oct. 1, 1947.

515,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) U. S. CONSERVE CO., St. Louis, Mo. Original filed, act of 1946, Principal Register, Feb. 9, 1948; amended to application, Supplemental Register, June 29, 1949, Serial No. 549,195.

Kosher Kitchen

FOR CANNED SOUPS AND CANNED STUFFED KISHKE.
Claims use since Jan. 10, 1948.

515,494. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 12, 1948; amended to application, Supplemental Register, June 22, 1949, Serial No. 549,501.

Gift of a Lifetime

FOR WATCHES.
Claims use since August 1926.

515,495. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LAWRENCE SCHIFF SILK MILLS, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 1, 1948; amended to application, Supplemental Register, July 22, 1949, Serial No. 550,953.

Hem Tite

FOR TAFFETA SEAM BINDINGS.
Claims use since Feb. 11, 1948.

515,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. RECK CO., Elgin, Ill. Original filed, act of 1946, Principal Register, Mar. 5, 1948; amended to application, Supplemental Register, May 16, 1949, Serial No. 551,310.

FOR-ALL

FOR BERRY PRESERVES, JELLIES, AND JAMS.
Claims use since Feb. 2, 1947.

515,497. (CLASS 39. CLOTHING.) BARRY-WALT, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 8, 1948; amended to application, Supplemental Register, June 24, 1949, Serial No. 551,433.

BARRY-WALT

The name "Barry-Walt" is fanciful, and is not the name of any individual.
FOR OVERCOATS AND TOPCOATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since March 1946.

515,498. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SELF-STYLE LADIES HAND BAGS CO. INC., Union City, N. J. Original filed, act of 1946, Principal Register, Mar. 10, 1948; amended to application, Supplemental Register, Mar. 10, 1949, Serial No. 551,660.

Duprey Concealed Coinette

FOR LADIES' HAND BAGS.
Claims use since January 1948.

515,499. (CLASS 39. CLOTHING.) RIVAL TROUSER CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, June 27, 1949, Serial No. 552,009.

Dad 'n Lad

FOR MEN'S AND BOYS' TROUSERS AND SLACKS.
Claims use since Dec. 1, 1947.

515,500. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) COMFORT LINES, INC., Chicago, Ill. Filed Apr. 2, 1948, Serial No. 553,682.

FLAM PRUF

FOR LEATHERETTE COVERING MATERIAL USED FOR THE UPHOLSTERY OF SEATING EQUIPMENT INCLUDING CHAIRS AND STOOLS.
Claims use since Mar. 22, 1947.

515,501. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEMSCO, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 28, 1948; amended to application, Supplemental Register, July 8, 1949, Serial No. 555,747.

"STAZON"

FOR PIN BASE BARS FOR HOLDING MILITARY RIBBON BARS.
Claims use since Mar. 31, 1947.

515,502. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MELROD PRODUCTS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, May 13, 1948; amended to application, Supplemental Register, June 11, 1949, Serial No. 556,978.

Hair Tested

FOR DECORATED COMBS AND HAIR BARRETTES NOT MADE OF PRECIOUS METALS OR STONES, NON-ELECTRIC HAIR CURLERS, BOBBY PINS, AND HAIR PINS.
Claims use since Apr. 27, 1948.

515,503. (CLASS 43. THREAD AND YARN.) M. I. GOLDSTEIN & SONS, New York, N. Y. Original filed, act of 1946, Principal Register, June 1, 1948; amended to application, Supplemental Register, June 24, 1949, Serial No. 558,227.

Slik

FOR MERCERIZED THREAD.
Claims use since Mar. 19, 1948.

515,504. (CLASS 19. VEHICLES.) GAR WOOD INDUSTRIES, INC., Wayne, Mich. Filed June 10, 1948, Serial No. 558,882.

Bucket Loader

FOR GARBAGE AND REFUSE HAULING BODIES FOR AUTOMOTIVE VEHICLES.
Claims use since Apr. 9, 1947.

515,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. SERRAVALLO, Trieste, Italy. Original filed, act of 1946, Principal Register, June 25, 1948; amended to application, Supplemental Register, Mar. 12, 1949, Serial No. 560,231.



Applicant claims ownership of Registration No. 139,696.
FOR MEDICINAL PREPARATION IN THE NATURE OF A CHINCONA AND IRON TONIC.
Claims use since Jan. 16, 1907.

515,506. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., Long Island City, N. Y. Original filed, act of 1946, Principal Register, July 14, 1948; amended to application, Supplemental Register, July 12, 1949, Serial No. 561,357.

HEEL 'N TOE

FOR NYLON AND/OR COTTON HAND KNITTING AND CROCHET YARN.
Claims use since July 2, 1948.

515,507. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE PATENT SCAFFOLDING CO., INC., Long Island City, N. Y. Filed Jan. 19, 1948, Serial No. 561,375.

SCAFFOLTUBE

Applicant claims ownership of Registration No. 248,365.
FOR SCAFFOLDING AND PARTS THEREOF.
Claims use since January 1924.

515,508. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) SMART HANDBAG CO., St. Louis, Mo. Original filed, act of 1946, Principal Register, July 22, 1948; amended to application, Supplemental Register, July 12, 1949, Serial No. 561,948.

BARBARA KAYE

FOR PURSES AND LADIES' HANDBAGS MADE OF PLASTICS, RUBBER, AND/OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since April 1948.

515,509. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROBCO CORPORATION, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 27, 1948; amended to application, Supplemental Register, June 23, 1949, Serial No. 564,290.

COLLECTOMETER

FOR METERS TO COLLECT COINS FOR WASHING AND OTHER MACHINES.
Claims use since May 10, 1948.

515,510. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THOMAS L. FORD, doing business as Norman, Ford & Company, Tyler, Tex. Filed May 6, 1948, Serial No. 565,996.

THE TEXAN

FOR TELESCOPIC RIFLE SIGHTS.
Claims use since May 9, 1946.

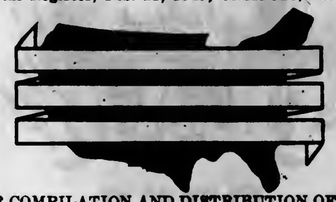
515,511. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GEORGE BARTRAM SHIVELY, doing business as Kant Luse Billfold Company, Waynesboro, Pa. Filed Jan. 13, 1949, Serial No. 572,129,

"KANT LUSE"

FOR BILLFOLDS.
Claims use since Mar. 12, 1932.

Service Marks

515,512. (CLASS 55. SERVICES.) NATIONAL ASSOCIATION OF HOTEL AND RESTAURANT MEAT PURVEYORS, Chicago, Ill. Original filed, act of 1946, Principal Register, July 11, 1947; amended to application, Supplemental Register, Feb. 11, 1949, Serial 528,364.



FOR COMPILATION AND DISTRIBUTION OF TRADE INFORMATION OF INTEREST TO THE MEMBERS OF THE APPLICANT ASSOCIATION AND OTHERS SUBSCRIBING FOR SAID TRADE INFORMATION.
Claims use since May 19, 1944.

515,513. (CLASS 55. SERVICES.) BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 12, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 544,148.



Applicant claims ownership of Registrations Nos. 384,369, 385,598, 413,161, 419,345, 422,869, 422,870, 422,871, 422,872, 422,873, and 432,765.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING FABRIC PERSPIRATION PROOF BY USE OF SPECIAL DYES AND TREATMENT.
Claims use since May 9, 1945.

TRADE-MARK REGISTRATIONS RENEWED

73,903. RIVERSIDE. Registered June 1, 1909. Riverside Cotton Mills. Re-renewed June 1, 1949, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. COTTON PLAIDS, CHECKS, CHEVIOTS, CHAMBRAYS AND SHEETINGS. Class 42.

74,371. "GRENADIER" AND REPRESENTATION OF MAN DRINKING BEER. Registered July 6, 1909. G. Heileman Brewing Co. Re-renewed July 6, 1949, to G. Heileman Brewing Co., La Crosse, Wis., a corporation of Delaware. BEER. Class 48.

74,485. S. F. BOWSER & CO. Registered July 13, 1909. S. F. Bowser & Co. Re-renewed July 13, 1949, to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana. SELF-MEASURING PUMPS AND TANKS. Class 26.

74,505. "PICKWICK" AND MAN'S PORTRAIT. Registered July 20, 1909. Kansas City Wholesale Grocery Co., Kansas City, Mo. Re-renewed July 20, 1949, to Pickwick Products, Inc., Kansas City, Kans., a corporation of Missouri. CANNED VEGETABLES, CANNED FRUITS, DRIED FRUITS, CANNED SALMON, ETC. Class 46.

74,618. "BEAVER" AND DRAWING. Registered July 27, 1909. The Union Bag and Paper Company. Re-renewed July 27, 1949, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. PAPER BAGS. Class 2.

75,324. VICTOR. Registered Sept. 21, 1909. Louis Sacks. Re-renewed Sept. 21, 1949, to Sacks-Barlow Foundries, Inc., Newark, N. J., a corporation of New Jersey. HEEL-PLATES FOR BOOTS AND SHOES. Class 13.

75,503. WILTSHIRE. Registered Oct. 12, 1909. The Cleveland Provision Company. Re-renewed Oct. 12, 1949, to Cleveland Provision Company, Cleveland, Ohio, a corporation of Ohio. LARD, PORK SAUSAGE, BREAKFAST-BACON, AND HAMS. Class 46.

75,976. GARGOYLE. Registered Nov. 30, 1909. Vacuum Oil Company, Rochester, N. Y. Re-renewed Nov. 30, 1949, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. LUBRICATING, ILLUMINATING, AND HEATING OILS, GREASES, AND WAXES, ETC. Class 15.

75,977. REPRESENTATION OF GARGOYLE. Registered Nov. 30, 1909. Vacuum Oil Company, Rochester, N. Y. Re-renewed Nov. 30, 1949, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. LUBRICATING, ILLUMINATING, AND HEATING OILS, GREASES, AND WAXES, PIPE-JOINT GREASE, ETC. Class 15.

255,970. NORGE. Registered Apr. 30, 1929. Norge Corporation, Detroit, Mich. Renewed Apr. 30, 1949 (Supplemental Register), to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. REFRIGERATORS. Class 31.

256,057. "DIAMOND 'E'" ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered May 7, 1929. The Everhard Manufacturing Company, Canton, Ohio. Renewed May 7, 1949, to Beh & Company Incorporated, New York, N. Y., a corporation of New York. WIRE-CLOTH AND COTTON-CLOTH WINDOW VENTILATORS. Class 34.

257,252. CUDDLE RUG. Registered June 4, 1929. Rock Run Mills, Goshen, Ind., a corporation of Indiana. Renewed June 4, 1949. LEG AND BODY COVERS IN THE NATURE OF BAGLIKE COMFORTERS. Class 39.

257,312. REPRESENTATION OF HEAD OF BENJAMIN FRANKLIN ENCLOSED BY CIRCULAR OUTLINE. Registered June 4, 1929. The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 4, 1949. MAGAZINE PUBLISHED WEEKLY. Class 38.

257,368. THE CATHOLIC MIRROR. Registered June 4, 1929. Mirror Press, Inc., Springfield, Mass., a corporation of Massachusetts. Renewed June 4, 1949. MONTHLY MAGAZINE. Class 38.

257,426. ROLL-OUT. Registered June 4, 1929. Roll-A-Way Bed Corporation. Renewed June 4, 1949, to Roll-A-Way Corporation, Chicago, Ill., a corporation of Illinois. HOUSEHOLD COUCHES, BEDS, MATTRESSES, AND BED SPRINGS. Class 32.

257,516. PURITAN. Registered June 11, 1929. Beacon Oil Company, Everett, Mass. Renewed June 11, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. ELECTRIC BATTERIES. Class 21.

257,684. "BEATSALL BLADE" AND DESIGN. Registered June 18, 1929. Ruble Blade Corporation, New York, N. Y. Renewed June 18, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

258,459. FLEXITE. Registered July 9, 1929. The B. F. Goodrich Company, New York, N. Y. Renewed July 9, 1949, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. BUCKETS, JARS, AND DIPPERS MADE OF HARD OR SEMIHARD RUBBER OR HAVING RUBBER INCORPORATED THEREIN. Class 2.

258,604. NATIONAL CLOCK CO. Registered July 9, 1929. National Silver Company, New York, N. Y., a corporation of New York. Renewed July 9, 1949. CLOCKS. Class 27.

258,893. F. O. S. Registered July 16, 1929. The Seamless Rubber Company, Inc. Renewed July 16, 1949, to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut. ADHESIVE TAPE. Class 5.

259,571. BURBERRYS. Registered Aug. 6, 1929. Burberrys Limited, London, England, a corporation organized under the laws of Great Britain and Ireland. Renewed Aug. 6, 1949. PIECE GOODS—NAMELY, CLOTHS, AND STUFFS OF WOOL, WORSTED, OR HAIR. Class 42.

259,604. "DAROS" AND REPRESENTATION OF PISTON RING. Registered Aug. 6, 1929. Aktiebolaget Davy Robertsons Maskinfabrik, Gottenborg, Sweden. Renewed Aug. 6, 1949, to Aktiebolaget Davy Robertsons Maskinfabrik, Partille, Sweden, a joint-stock company organized under the laws of Sweden. PISTON PACKING RINGS OF CAST IRON, PACKINGS FOR PISTON RODS AND FOR SLIDE VALVE RODS OF CAST IRON. Class 35.

259,605. PLATINALOY. Registered Aug. 6, 1929. Baker & Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Aug. 6, 1949. BAND MATERIAL AND SEAMLESS BANDS COMPOSED OF AN ALLOY OF PRECIOUS METALS FOR ORTHODONTIC AND DENTAL PURPOSES. Class 44.

259,606. ORTHOSPRING. Registered Aug. 6, 1929. Baker & Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Aug. 6, 1949. WIRE COMPOSED OF AN ALLOY OF PRECIOUS METALS, FOR ORTHODONTIC AND DENTAL PURPOSES. Class 44.

260,843. BURBERRYS. Registered Aug. 27, 1929. Burberrys Limited, London, England, a corporation organized under the laws of Great Britain and Ireland. Renewed Aug. 27, 1949. Clothing—NAMELY, COATS AND TOPCOATS FOR MEN, WOMEN, AND CHILDREN; JACKETS FOR MEN, WOMEN, AND CHILDREN; ETC. Class 39.

260,970. MIRRORBRIGHT. Registered Sept. 3, 1929. C. S. Pierce Dressing Company, Brockton, Mass., a corporation of Massachusetts. Renewed Sept. 3, 1949. LIQUID LEATHER POLISH. Class 4.

260,971. WONDERWASH. Registered Sept. 3, 1929. C. S. Pierce Dressing Company, Brockton, Mass., a corporation of Massachusetts. Renewed Sept. 3, 1949. LIQUID CLEANSING PREPARATION FOR LEATHER. Class 4.

260,972. LEATHERGLOW. Registered Sept. 3, 1929. C. S. Pierce Dressing Company, Brockton, Mass., a corporation of Massachusetts. Renewed Sept. 3, 1949. LIQUID PREPARATION FOR CLEANING AND POLISHING LEATHERS. Class 4.

261,040. "GLYMIEL". Registered Sept. 3, 1929. Sangers, Limited, London, England, a company organized under the laws of Great Britain and Northern Ireland. Renewed Sept. 3, 1949. PREPARATION FOR SOFTENING AND IMPROVING THE SKIN AND FOR ALLAYING IRRITATION AND ROUGHNESS. Class 6.

261,059. THE MUTUAL MAGAZINE. Registered Sept. 3, 1929. The Mutual Beneficial Association of Pennsylvania Railroad Employees, Incorporated, Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 3, 1949. PERIODICAL PUBLISHED MONTHLY. Class 38.

261,850. AIR KING. Registered Sept. 24, 1929. Westfield Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 24, 1949. WRIST WATCHES. Class 27.

262,143. "SHRINER" AND DESIGN. Registered Oct. 1, 1929. French, Shriner & Urner. Renewed Oct. 1, 1949, to French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. Class 39.

262,190. SOMERSETS. Registered Oct. 1, 1929. Brown Durrell Co., Boston, Mass., and New York, N. Y. Renewed Oct. 1, 1949, to Brown Durrell Co., New York, N. Y., a corporation of Massachusetts. MEN'S, WOMEN'S AND CHILDREN'S UNDERWEAR OF KNITTED, NETTED OR TEXTILE FABRIC, ETC. Class 39.

262,507. RED LABEL. Registered Oct. 15, 1929. Beach Soap Company, Lawrence, Mass., a corporation of Massachusetts. Renewed Oct. 15, 1949. SOAP FLAKES. Class 4.

262,812. BLUE LABEL. Registered Oct. 22, 1929. Beach Soap Company, Lawrence, Mass., a corporation of Massachusetts. Renewed Oct. 22, 1949. SOAP FLAKES. Class 4.

262,858. "TANGEE" AND HEAVY UNDERLINE. Registered Oct. 29, 1929. Jackson Brewing Company, New Orleans, La., a corporation of Louisiana. Renewed Oct. 29, 1949. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND SYRUPS FOR MAKING THE SAME. Class 45.

262,998. SHEER-REY. Registered Oct. 29, 1929. Brown Durrell Co., Boston, Mass., and New York, N. Y. Renewed Oct. 29, 1949, to Brown Durrell Co., New York, N. Y., a corporation of Massachusetts. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR—NAMELY, SHIRTS, DRAWERS, UNION SUITS, AND STEPINS, ETC. Class 39.

263,109. "SPEED KING" BISECTED BY ARROW DESIGN. Registered Oct. 29, 1929. The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio. Renewed Oct. 29, 1949. CONCRETE-MIXING MACHINES. Class 23.

263,261. OUR GANG. Registered Nov. 5, 1929. Rufus W. Scott Co. Renewed Nov. 5, 1949, to Bacon-Scott Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

263,406. "PACIFIC FRUIT EXCHANGE" AND OVAL-SHAPED DESIGN LINED FOR RED COLOR. Registered Nov. 5, 1929. Pacific Fruit Exchange, San Francisco, Calif., a corporation of California. Renewed Nov. 5, 1949. FRESH DECIDUOUS FRUITS. Class 46.

263,533. REPRESENTATION OF THREE GEESE, LARGEST OF WHICH IS SUPERIMPOSED ON CIRCULAR DESIGN LINED FOR RED. Registered Nov. 5, 1929. Rufus W, Scott Company. Renewed Nov. 5, 1949, to Bacon-Scott Company, Inc., New York, N. Y., a corporation of Delaware. HOSIERY. Class 39.

263,541. SIMPLEX. Registered Nov. 5, 1929. The Simplex Piston Ring Company of America, Inc. Renewed Nov. 5, 1949, to Simplex Piston Ring Mfg. Company, Cleveland, Ohio, a corporation of Ohio. REAR-VIEW MIRRORS FOR USE ON AUTOMOTIVE VEHICLES AND OTHER CONVEYANCES, INCLUDING AIRCRAFT AND MARINE VESSELS. Class 19.

263,543. L'OISEAU. Registered Nov. 5, 1929. Gribbon Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. PIECE GOODS—NAMELY, LINEN DAMASK, LINEN CLOTHS, NAPKINS, AND TOWELS. Class 42.

263,722. WINTECTOR. Registered Nov. 12, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Nov. 12, 1949. INFANTS' UNDERWEAR AND KNIT CLOTHING — NAMELY, SWEATERS, STOCKINGS, SOCKS, HATS, MITTENS, SCARFS, JACKETS, AND BOOTEES. Class 39.

263,836. POLARSUDZ. Registered Nov. 12, 1929. Beach Soap Company, Lawrence, Mass., a corporation of Massachusetts. Renewed Nov. 12, 1949. SOAP COMPOSITION SUITABLE FOR WASHING IN WATER OF LOW TEMPERATURE. Class 4.

263,942. HEIGH-HO. Registered Nov. 12, 1929. Vanity Fair Silk Mills. Renewed Nov. 12, 1949, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. KNITTED AND TEXTILE UNDERWEAR FOR WOMEN AND GIRLS—NAMELY, VESTS, BLOOMERS, KNICKERBOCKERS, ETC. Class 39.

264,387. "TEA GARDEN" AND LANTERN DESIGN. Registered Nov. 26, 1929. Tea Garden Products Co., San Francisco, Calif., a corporation of California. Renewed Nov. 26, 1949. TABLE SYRUP, FRUIT PRESERVES, JELLIES, MINCEMEAT, HONEY, GARNISHING CHERRIES AND GRAPES, ETC. Class 46.

264,455. LIFTLITE. Registered Nov. 26, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Nov. 26, 1949. TRAVELING BAGS, LEATHER HATBOXES, SUITCASES, BRIEF CASES, AND TRUNKS. Class 3.

264,458. THE GLASS LINING. Registered Nov. 26, 1929. The Pfaudler Co., Rochester, N. Y., a corporation of New York. Renewed Nov. 26, 1949. HOUSE MAGAZINE. Class 38.

264,602. FARREL-BIRMINGHAM. Registered Nov. 26, 1929. Farrel-Birmingham Company, Incorporated, Ansonia and Derby, Conn., and Buffalo, N. Y. Renewed Nov. 26, 1949, to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut. MACHINES FOR BREAKING DOWN RUBBER AND RENDERING IT PLASTIC, ETC. Class 23.

265,049. SIMPLEX. Registered Dec. 10, 1929. Simplex Paper Box Company, Lititz, Pa. Renewed Dec. 10, 1949, to Simplex Paper Box Corporation, Lancaster, Pa., a corporation of Pennsylvania. PAPER BOXES. Class 2.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

264,193. "PYRAMID" AND DESIGN. Registered Nov. 19, 1929. Gilman Paper Company, of New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

264,194. "RUGBY" AND DESIGN. Registered Nov. 19, 1929. Gilman Paper Company, of New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

264,195. "STAUNCH" AND DESIGN. Registered Nov. 19, 1929. Gilman Paper Company, of New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

264,196. "SPHINX" AND DESIGN. Registered Nov. 19, 1929. Gilman Paper Company, of New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

267,795. "NO-TARE" AND DESIGN. Registered Mar. 4, 1930. Gilman Paper Company, of New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

296,592. PNEUDRAULIC. Registered Aug. 16, 1932. Bendix Aviation Corporation, of Chicago, Illinois, and South Bend, Indiana. SHOCK STRUTS. Class 19. The drawing is amended to appear as follows:

PNEUDRAULIC

314,272. BIG Y. Registered June 26, 1934. Yakima Fruit Growers Association, Yakima, Wash. FRESH DECIDUOUS FRUITS. Class 46. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "California" should be *Washington.*

377,481. IRISH MOSS. Registered May 7, 1940. Leroux and Company, Inc., Philadelphia, Pa. ROCK AND RYE. Class 49. The drawing is hereby amended to appear as follows:

IRISH MOSS

508,273. "CHANNEL" AND DESIGN. Registered April 5, 1949. Channel Bakers, Sacramento, Calif. PIES, BREAKFAST PASTRIES, DOUGHNUTS, AND CAKES. Class 46. Corrected as follows: In the certificate, line 20, for "twenty-ninth day of March" read *fifth day of April.*

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 226,493, appearing in the OFFICIAL GAZETTE of June 28, 1949, page 1005, for "Gustavo Salvia" read *Gustavo Salvo.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

21,208. LEA & PERRINS WORCESTERSHIRE SAUCE. Registered May 31, 1892. Lea & Perrins. SAUCE FOR ROAST MEATS, STEAKS, ETC. Class 46. New certificate under section 7(c) issued Sept. 20, 1949, to Lea & Perrins, Inc., New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 83,225. Registered Aug. 29, 1911. CROWN-COLUMBIA PULP AND PAPER COMPANY, San Francisco, Calif. Republished by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif., a corporation of Nevada.

GOLDEN GATE

FOR PAPER BAGS.
Claims use since Jan. 6, 1911.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 425,229. Registered Nov. 12, 1946. DRONSFIELD BROTHERS LIMITED, Oldham, England, a company of Great Britain. Republished by registrant.

ATLAS

FOR EMERY TAPES AND EMERY FILLETS.
Claims use since 1900.

Reg. No. 433,846. Registered Nov. 4, 1947. DRONSFIELD BROTHERS LIMITED, Lancashire, England, a British company. Republished by registrant, present address Oldham, England.

DRONSFIELD'S

FOR EMERY TAPES, EMERY WHEELS, EMERY BELTS, EMERY FILLETS, AND EMERY STRICKLES.
Claims use since 1882.

CLASS 5

ADHESIVES

Reg. No. 439,761. Registered July 20, 1948. THE CARTER'S INK COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

CARTEX

FOR LATEX ADHESIVE.
Claims use since June 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 246,886. Registered Sept. 18, 1928. LOUIS P. PHILIPPI, doing business as The Irvington Company, Cable, Wis. Republished by Ivo, Inc., Cedar Lake, West Bend, Wis., a corporation of Wisconsin.

IVO

FOR OINTMENTS—NAMELY, COLD SORE OINTMENT OR FEVER ICE, ROUGE AND LIPSTICK, AND LIPSTICK.
Claims use since on or about Jan. 1, 1905.

Reg. No. 259,567. Registered July 30, 1929. THE WHITE TAR COMPANY, OF NEW JERSEY, INC., Kearny, N. J. Republished by Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware.

PARANAP

FOR COMPOSITIONS OF MATTER IN BLOCK, POWDER, OR OTHER FORM USED AS INSECTICIDES AND DEODORIZERS.
Claims use since Aug. 11, 1927.

Reg. No. 292,257. Registered Mar. 8, 1932. D. W. HAERING & COMPANY, Chicago, Ill. Republished by D. W. Haering & Co., Inc., Chicago, Ill., a corporation of Illinois.

H-O-H
THE ORGANIC BOILER WATER TREATMENT

The expression "The Organic Boiler Water Treatment" is disclaimed apart from the mark as shown.
FOR PREPARATION PRIMARILY INTENDED FOR PREVENTING THE FORMATION OF AND FOR REMOVING SCALE, RUST, AND THE LIKE FROM BOILERS, REFRIGERATION, HOT OR STEAM WATER HEATING SYSTEMS, AND OTHER FLUID CONTAINERS.
Claims use since Sept. 28, 1931.

Reg. No. 312,493. Registered May 1, 1934. PUREX CORPORATION, LTD., Los Angeles, Calif., a corporation of California. Republished by registrant, present address South Gate, Calif.

PUREX

The words "Is Different" are disclaimed apart from the mark as shown.
FOR BLEACH AND WATER SOFTENER.
Claims use since Oct. 10, 1923.

Reg. No. 334,173. Registered Apr. 21, 1936. SAVAGE, INC., Chicago, Ill., now by consolidation Associated Distributors, Inc. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

JUNGLE

FOR LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PREPARATIONS FOR THE SKIN, HAIR, AND FINGER NAILS, AND PERFUMES.
Claims use since Nov. 1, 1934.

Reg. No. 337,108. Registered July 28, 1936. VISCO PRODUCTS COMPANY, Houston, Tex., a corporation of Delaware. Republished by registrant.

STABILITE

FOR CHEMICALS EMPLOYED IN THINNING DRILLING MUD USED IN DRILLING OPERATIONS FOR OIL WELLS AND THE LIKE.
Claims use since Aug. 28, 1930.

Reg. No. 337,109. Registered July 28, 1936. VISCO PRODUCTS COMPANY, Houston, Tex., a corporation of Delaware. Republished by registrant.

VISCO

FOR EMULSION BREAKING COMPOSITION EMPLOYED IN THE BREAKING AND RESOLVING OF PETROLEUM EMULSIONS AND THE LIKE.
Claims use since Nov. 16, 1931.

Reg. No. 373,080. Registered Nov. 21, 1939. D. W. HAERING & COMPANY, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

IN-HIB-CO

FOR PREPARATION FOR APPLICATION TO METAL TO PREVENT OR ARREST CORROSION.
Claims use since July 3, 1939.

Reg. No. 390,866. Registered Oct. 7, 1941. D. W. HAERING & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GLUCOSATE

FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since Oct. 29, 1935.

Reg. No. 395,672. Registered June 2, 1942. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BARBISODITE

FOR PREPARATION FOR HYPERTENSION.
Claims use since Sept. 3, 1935.

Reg. No. 399,943. Registered Feb. 9, 1943. VICTOR VIVAUDOU, Tenafly, N. J. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

BABALOO

FOR PERFUMES.
Claims use since July 10, 1941.

Reg. No. 407,219. Registered May 23, 1944. D. W. HAERING & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

QUAC HROM GLUCOSATE

FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since June 29, 1939.

Reg. No. 407,465. Registered June 6, 1944. D. W. HAERING & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SODIUM CHROM GLUCOSATE

The words "Sodium Chrom" are disclaimed apart from the mark as shown.
FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since Oct. 21, 1935.

Reg. No. 417,512. Registered Oct. 30, 1945. D. W. HAERING & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

TETRA PHOSPHO. GLUCOSATE.

The words "Tetra Phospho" are disclaimed apart from the mark as shown.
FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL AND OTHERWISE TO PREVENT THE ACCUMULATION OF FOREIGN MATTER ON THE WALLS OF PIPES OR CONTAINERS.
Claims use since July 6, 1938.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 192,945. Registered Dec. 16, 1924. THE MEDAL BRICK & TILE CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant, present address Wooster, Ohio.

MEDAL

FOR BRICK.
Claims use since 1894.

Reg. No. 248,144. Registered Oct. 16, 1928. CAPILANO TIMBER CO. LTD., North Vancouver, British Columbia, Canada, a corporation organized under the laws of British Columbia, Dominion of Canada. Republished by registrant, present address Vancouver, British Columbia, Canada.

CARDINAL



FOR SAWMILL PRODUCTS—NAMELY, SHINGLES, LUMBER, SIDING, MOULDING, FLOORING, BAND STICKS, AND LATHS.
Claims use since Oct. 15, 1927.

Reg. No. 260,696. Registered Aug. 27, 1929. AMERICAN TAR PRODUCTS COMPANY, Pittsburgh, Pa. Republished by Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware.

Tarmac

FOR BITUMINOUS TAR PAVING MATERIALS.
Claims use since Mar. 3, 1927.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 364,909. Registered Feb. 21, 1939. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR METAL FAUCETS, METAL VALVES, VALVE WASHERS, BOILER FITTINGS, TOILET TANK FITTINGS, TOILET TANK BALLS AND FLOATS, BASIN STOPPERS, DOOR KNOBS, DOOR HINGES, METAL BRACKETS, METAL PIPE, BRASS PIPE FITTINGS, COPPER PIPE FITTINGS.
Claims use since Sept. 1, 1936.

CLASS 15

OILS AND GREASES

Reg. No. 382,152. Registered Oct. 15, 1940. FLEET OIL CO., La Follette, Tenn. Republished by Fleet Oil Company, La Follette, Tenn., a corporation of Tennessee.

CARGO

FOR GASOLINE AND LUBRICATING OILS AND GREASES.
Claims use since 1936.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 95,087. Registered Feb. 3, 1914. FLECK CIGAR CO., LTD., Reading, Pa. Republished by Yocum Brothers, Inc., Reading, Pa., a corporation of Pennsylvania.

Rose Of Cuba

FOR CIGARS.
Claims use since the early part of February 1902.

Reg. No. 95,088. Registered Feb. 3, 1914. FLECK CIGAR CO., LTD., Reading, Pa. Republished by Yocum Brothers, Inc., Reading, Pa., a corporation of Pennsylvania.



FOR CIGARS.
Claims use since Apr. 22, 1905.

CLASS 19

VEHICLES

Reg. No. 303,235. Registered May 16, 1933. HENNEY MOTOR COMPANY, Freeport, Ill. Republished by Henney Motor Company, Inc., Freeport, Ill., a corporation of New York.

NU WAY

FOR MOTOR-DRIVEN AMBULANCES, HEARSES, FUNERAL COACHES, COMBINATION FUNERAL CARS, AND TRUCKS.
Claims use since Oct. 28, 1927.

Reg. No. 322,870. Registered Mar. 26, 1935. HENNEY MOTOR COMPANY, Freeport, Ill. Republished by Henney Motor Company, Inc., Freeport, Ill., a corporation of New York.

ELECTRAULIC

FOR HEARSES, FUNERAL COACHES, AND COMBINATION FUNERAL CARS, EQUIPPED WITH POWER-OPERATED CASKET TABLES.
Claims use since Apr. 21, 1934.

Reg. No. 357,255. Registered May 31, 1938. HENNEY MOTOR COMPANY, Freeport, Ill. Republished by Henney Motor Company, Inc., Freeport, Ill., a corporation of New York.

LEVELDRAULIC

FOR MOTOR HEARSES, MOTOR AMBULANCES, CONVERTIBLE MOTOR HEARSES-AMBULANCES, FUNERAL SERVICE MOTOR CARS, AND PALL BEARERS' MOTOR CARS, EQUIPPED WITH POWER OPERATED LEVELING MEANS.
Claims use since May 3, 1937.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 441,410. Registered Nov. 23, 1948. MAX ECKHARDT & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Our Pet

FOR DOLLS.
Claims use since Feb. 28, 1922.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 336,433. Registered July 7, 1936. WHIRLWIND LAWN MOWERS SALES CORPORATION, Milwaukee, Wis. Republished by Whirlwind Inc., Minneapolis, Minn., a corporation of Minnesota.

WHIRLWIND

FOR LAWN MOWERS.
Claims use since June 13, 1933.

Reg. No. 359,933. Registered Sept. 6, 1938. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR CARVING KNIVES, BUTCHER KNIVES, POCKET KNIVES, KNIFE SHARPENERS, FRUIT CORERS, FRUIT PARERS, RAZORS, RAZOR BLADES, HATCHETS, AXES, HAMMERS, SAWS, PLANES, SCREW DRIVERS, CHISELS, BREAST DRILLS, HAND DRILLS, VISES, PICKS, MATTOCKS, ANVILS, BLACKSMITHS' TOOLS, CROW BARS, PUNCHES, PLIERS, AND GIMLETS.
Claims use since Sept. 1, 1936.

Reg. No. 381,195. Registered Sept. 17, 1940. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTERDRIVE

The word "Drive" is disclaimed apart from the mark as shown.
FOR MACHINE TOOL DRIVES.
Claims use since Apr. 26, 1939.

Reg. No. 441,742. Registered Jan. 4, 1949. DRONSFIELD BROTHERS LIMITED, Lancashire, England, a British company. Republished by registrant, present address Oldham, England.

DRONSFIELD'S

FOR TEXTILE CARD GRINDING MACHINES; TEXTILE ROLLER, BOWL AND CYLINDER GRINDING MACHINES; CARD MOUNTING MACHINERY; STRIPPING AND BURNISHING ROLLERS; TEXTILE ROLLER COVERING MACHINES; BURNISHING MACHINES; TEXTILE CUTTER, BLADE AND KNIFE TRUEING UP AND SHARPENING MACHINES; MILLING MACHINES FOR TEXTILE FLATS; BOBBIN STRIPPING MACHINES AND DEVICES; TEXTILE WRAP ROLLERS; TEXTILE FLAT AND CARD CLEANING DEVICES; TEXTILE STRIPPING ROLLERS; MACHINES FOR UNWINDING MEASURED LENGTHS OF SLIVERS FROM BOBBINS AND OF YARN FROM COPS, TEXTILE ROLLER RACKS; TEXTILE CARD PRESSES; TEXTILE CARD FACING UP OR DRESSING DEVICES; TEXTILE STRAP BEVELLING MACHINES; TEXTILE BELTING PRESSES; TEXTILE BELT EVENING DEVICES; TEXTILE SKEWER POINTERS; TEXTILE YARN TRAVERSE MOTIONS; PUMPS; TEXTILE CYLINDERS; TEXTILE CLOTH PASTING MACHINES; TEXTILE CLOTH COMPRESSORS; BOARD FOR CUTTING SKINS, CLOTH AND FABRIC; LEATHER GRINDING MACHINES; SPLICING MACHINES FOR LEATHER; CALENDERS; TEXTILE ROLLER BURNISHING MACHINES; STRIPPING APPLIANCES FOR REMOVING TEXTILE LEATHERS; TEXTILE HAND TOOLS; TEXTILE POLISHING TOOLS; HAND STRIPPING TOOLS.
Claims use since 1880.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 435,848. Registered Jan. 13, 1948. CROWN CONTROLS COMPANY, New Bremen, Ohio, assignor to Crown Controls Company, Inc. Republished by Crown Controls Company, Inc., New Bremen, Ohio, a corporation of Ohio.

CROWN

FOR ELECTRICAL TEMPERATURE CONTROL MECHANISM, CONSISTING OF THERMOSTATS, AND COMBUSTION CONTROL MECHANISM, TOGETHER WITH TRANSFORMERS, AND SECONDARY CONTROL INSTRUMENTS FOR USE THEREWITH.
Claims use since Jan. 9, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 365,168. Registered Feb. 28, 1939. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR PAINT BRUSHES, VARNISH BRUSHES, SCRUB BRUSHES, WINDOW BRUSHES, SHOE BRUSHES, WHITE WASH BRUSHES, KALSOMINE BRUSHES, WHISK BROOMS, HOUSE BROOMS, FLOOR PUSH BRUSHES, AND WIRE STREET BRUSHES.
Claims use since Sept. 1, 1936.

CLASS 33

GLASSWARE

Reg. No. 364,910. Registered Feb. 21, 1939. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR WATER GLASSES, GLASS FRUIT JARS, JELLY GLASSES, AND GLASS BERRY DISHES.
Claims use since Sept. 1, 1936.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 72,568. Registered Feb. 2, 1909. PEERLESS RUBBER MANUFACTURING COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

ECLIPSE

FOR HOSE AND MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since January 1900.

Reg. No. 72,668. Registered Feb. 9, 1909. PEERLESS RUBBER MANUFACTURING COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

FORTUNE

FOR BELTING AND HOSE, COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since January 1889.

Reg. No. 72,879. Registered Mar. 2, 1909. PEERLESS RUBBER MANUFACTURING COMPANY, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

RAINBOW

FOR BELTING, HOSE, AND MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since Jan. 1, 1891.

Reg. No. 73,019. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

RUBY

FOR MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC WITH OR WITHOUT METALLIC INSERTIONS.
Claims use since 1890.

Reg. No. 73,020. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

MAGIC

FOR MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC WITH OR WITHOUT METALLIC INSERTIONS.
Claims use since 1903.

Reg. No. 73,021. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

DOUBLE DIAMOND

FOR BELTING, HOSE, AND MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1890.

Reg. No. 73,022. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

1846 PARA

FOR BELTING AND HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1892.

Reg. No. 73,024. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

TEST HOSE

FOR HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1876.

Reg. No. 73,025. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

MULTIPLEX

FOR HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1894.

Reg. No. 73,028. Registered May 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

COMET

FOR HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1894.

Reg. No. 73,031. Registered Mar. 9, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

LENOX

FOR HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since January 1895.

Reg. No. 73,140. Registered Mar. 16, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

DRAGON

FOR BELTING AND HOSE, COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1895.

Reg. No. 73,164. Registered Mar. 23, 1909. NEW YORK BELTING AND PACKING COMPANY, LIMITED, New York, N. Y. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

VULCAN

FOR BELTING, HOSE, AND MACHINERY PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC.
Claims use since 1887.

Reg. No. 359,934. Registered Sept. 6, 1938. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

RAZ BLAZER

FOR RUBBER HOSE, LEATHER BELTING, CANVAS BELTING, WICK PACKING, AND VALVE PACKING.
Claims use since Sept. 1, 1936.

CLASS 37

PAPER AND STATIONERY

Reg. No. 77,906. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

CERTIFICATE

FOR WRITING PAPER.
Claims use since April 1907.

Reg. No. 77,907. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

COMMUNITY

FOR WRITING PAPER.
Claims use since July 1907.

Reg. No. 77,908. Registered May 17, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

UNDERWRITER

FOR WRITING PAPER.
Claims use since July 1908.

Reg. No. 80,271. Registered Nov. 29, 1910. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

HAMPTON COURT

FOR WRITING PAPER.
Claims use since May 5, 1905.

Reg. No. 348,825. Registered Aug. 10, 1937. CROCKER-MCELWAIN COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

MILITANT

FOR BOND AND INDEX PAPER.
Claims use since Dec. 23, 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 239,690. Registered Mar. 6, 1928. BENSKIN & CHARLTON PUBLISHING CORPORATION, New York, N. Y. Republished by Modern Packaging Corp., New York, N. Y., a corporation of New York.

Modern Packaging

FOR MONTHLY PUBLICATION.
Claims use since Aug. 1, 1927.

Reg. No. 389,339. Registered Aug. 5, 1941. HARVEY & HOWE, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR PUBLICATION OF READING MATTER OF INTEREST TO THE HOME ECONOMICS PROFESSION, PUBLISHED MONTHLY.
Claims use since Sept. 15, 1936.

Reg. No. 410,778. Registered Dec. 19, 1944. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR NEWSPAPER CARTOON STRIP.
Claims use since Jan. 23, 1944.

Reg. No. 428,909. Registered Apr. 8, 1947. COWLES MAGAZINES, INC., Des Moines, Iowa, a corporation of Iowa. Republished by registrant, present address, New York, N. Y.



FOR COLUMN OF A REGULARLY ISSUED MAGAZINE.
Claims use since Apr. 16, 1946.

Reg. No. 437,122. Registered Mar. 9, 1948. HUBBARD HOOVER, New York, N. Y. Republished by registrant.

PURSUIT OF HAPPINESS

FOR NEWSPAPER AND MAGAZINE COLUMN PUBLISHED PERIODICALLY.
Claims use since June 14, 1946.

CLASS 39

CLOTHING

Reg. No. 135,913. Registered Oct. 26, 1920. BEAUMONT DRY GOODS & NOTIONS CO., Beaumont, Tex. Republished by Beaumont Dry Goods Company, Beaumont, Tex., a corporation of Texas.



FOR MEN'S WORKSHIRTS, MEN'S OUTER FLANNEL SHIRTS, MEN'S DRESS-SHIRTS, MEN'S OVERALLS, MEN'S PANTS; MEN'S, WOMEN'S, BOYS', MISSES', AND CHILDREN'S HOSE OF COTTON, WOOL, AND SILK; MEN'S KNIT, COTTON AND WOOL, AND NAINSOOK UNIONSUITS; MEN'S KNIT, COTTON AND WOOL, AND NAINSOOK OUTER SHIRTS, AND MEN'S KNIT, COTTON AND WOOL, AND NAINSOOK DRAWERS.
Claims use since May 19, 1916.

Reg. No. 186,657. Registered July 22, 1924. TRUE FORM CORSET CO., Philadelphia, Pa. Republished by True Form Corset Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.



FOR CORSETS AND BRASSIÈRES.
Claims use since Nov. 12, 1921.

Reg. No. 257,065. Registered May 28, 1929. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.



FOR RUBBER-COMPOSITION SOLES AND HEELS, ARCTICS AND TENNIS SHOES MADE OF RUBBER AND FABRIC, AND RUBBER BOOTS, AND OVERSHOES.

Reg. No. 276,544. Registered Oct. 21, 1930. THE A. S. KREIDER SHOE CO., Annville, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR MISSES', GIRLS', AND CHILDREN'S SHOES OF LEATHER.
Claims use since Oct. 1, 1926.

Reg. No. 290,813. Registered Jan. 19, 1932. THE FORMFIT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR BRASSIÈRES, BANDEAUX, GIRDLES, AND COMBINATIONS OF CORSETS AND BRASSIÈRES.
Claims use since July 1, 1931.

Reg. No. 307,816. Registered Nov. 7, 1933. MAIDEN FORM BRASSIERE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Dec-la-tay

FOR WOMEN'S UNDERWEAR—NAMELY, BRASSIÈRES.
Claims use since June 15, 1932.

Reg. No. 322,314. Registered Mar. 5, 1935. MAIDEN FORM BRASSIERE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

"OVER-TURE"

FOR BRASSIÈRES, BANDEAUS, CORSETS, CORSELETS, AND GIRDLES.
Claims use since Sept. 13, 1934.

Reg. No. 352,919. Registered Dec. 14, 1937. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANSNUG

FOR BATHING TRUNKS.
Claims use since July 29, 1937.

Reg. No. 358,918. Registered July 26, 1938. WILLIAM BARG, doing business as True Form Corset Company, Philadelphia, Pa. Republished by True Form Corset Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

FORMEZ

FOR GIRDLES, BRASSIÈRES, AND BANDEAUX.
Claims use since Oct. 1, 1937.

Reg. No. 364,000. Registered Jan. 17, 1939. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

SOLWAY

FOR MEN'S OUTER SHIRTS.
Claims use since about 1920.

Reg. No. 383,389. Registered Dec. 3, 1940. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

SETLO

FOR OUTER SHIRTS.
Claims use since July 15, 1940.

Reg. No. 391,238. Registered Oct. 28, 1941. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Mansco

FOR ARTICLES OF WEARING APPAREL ESPECIALLY DESIGNED FOR USE BY WOMEN—NAMELY, SKIRTS, BLOUSES, SWEATERS, BATHING SUITS, PAJAMAS, SHIRTS, AND KNITTED UNDERWEAR.
Claims use since May 20, 1941.

Reg. No. 401,557. Registered May 25, 1943. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANBOWS

FOR NECKTIES.
Claims use since Nov. 6, 1942.

Reg. No. 407,361. Registered May 30, 1944. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANSWIM

FOR BATHING TRUNKS AND BATHING SUITS.
Claims use since 1933.

Reg. No. 407,522. Registered June 6, 1944. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANFLAIR

FOR MEN'S OUTER SHIRTS.
Claims use since the fall of 1934.

Reg. No. 408,117. Registered July 18, 1944. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MAN-LO

FOR OUTER SHIRTS.
Claims use since Feb. 3, 1944.

Reg. No. 430,665. Registered June 17, 1947. CAPE ANN MANUFACTURING CO., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.

MIGHTY-MAC

FOR BOYS' AND MEN'S WOOLEN, COTTON, AND LEATHER COATS.
Claims use since Sept. 1, 1941.

Reg. No. 438,446. Registered Apr. 20, 1948. LAROS TEXTILES COMPANY, Bethlehem, Pa., a corporation of Pennsylvania. Republished by registrant.

Cloister

FOR LADIES' SLIPS.
Claims use since July 1, 1924.

Reg. No. 439,241. Registered June 8, 1948. ROYAL MANUFACTURING COMPANY, INC., Allentown, Pa., a corporation of Delaware. Republished by registrant.

SUPPORTO

FOR DRESS, NEGLIGEE, AND SPORT SHIRTS AND UNDERWEAR.
Claims use since Mar. 2, 1936.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 311,648. Registered Apr. 3, 1934. BELLMAN BROOK BLEACHERY CO., Fairview, N. J., a corporation of New Jersey. Republished by registrant.

BELORGANDA

FOR COTTON GOODS IN THE PIECE.
Claims use since Oct. 16, 1933.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 48,977. Registered Jan. 16, 1906. BROWNELL & FIELD CO., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

AUTOCRAT

FOR COFFEE.
Claims use since on or about Jan. 1, 1897.

Reg. No. 110,314. Registered May 16, 1916. GEO. EHRAT, Chicago, Ill. Republished by Caravetta Foods Co., Chicago, Ill., a corporation of Illinois.

E

FOR CHEESE.
Claims use since about May 1904.

Reg. No. 115,785. Registered Mar. 6, 1917. MURPHY OIL COMPANY, East Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

ZENITH

FOR LEMONS.
Claims use since Sept. 1, 1916.

Reg. No. 116,344. Registered Apr. 24, 1917. MURPHY OIL COMPANY, East Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

PARAGON

FOR ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since Sept. 1, 1916.

Reg. No. 162,870. Registered Dec. 26, 1922. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SUNNY

OAR

FOR MOLASSES—NAMELY, ORANGE, BLACKSTRAP, AND NEW ORLEANS; MUSTARD; TOMATO CATSUP; CHILI SAUCE; VINEGAR; COTTON SEED SALAD OIL; SALAD DRESSING; CHOP SUEY SAUCE; SYRUPS FOR FOOD PURPOSES; CEREALS—NAMELY, RICE; ENTIRE-WHEAT FLOUR; BUCKWHEAT FLOUR; WAFFLE FLOUR; PANCAKE FLOUR; MACARONI; SPAGHETTI; VERMICELLI; NOODLES; CORNSTARCH; FOOD-FLAVORING EXTRACTS; ESSENCES; SPICES; ALLSPICE; COFFEE, TEA, CHOCOLATE; COCOA; SOUPS; HORSE-RADISH; BOUILLON CUBES; OYSTER-COCKTAIL SAUCE; OLIVE OIL; SWEET AND MIXED PICKLES; MAYONNAISE DRESSING; HONEY; CHEESE; LARD; LARD COMPOUND; COOKING OIL; CRACKERS; AND COOKIES.
Claims use since 1906.

Reg. No. 205,947. Registered Nov. 17, 1925. WALNUT FRUIT GROWERS ASSOCIATION, Walnut, Calif., a corporation of California. Republished by registrant.

COLOSSUS

FOR FRESH CITRUS FRUIT—NAMELY, ORANGES.
Claims use since 1915.

Reg. No. 233,799. Registered Oct. 11, 1927. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

BRIDAL VEIL

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 5, 1892.

Reg. No. 233,800. Registered Oct. 11, 1927. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

ROUGH DIAMOND

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 10, 1914.

Reg. No. 242,971. Registered June 5, 1928. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

SELECTED

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 3, 1892.

Reg. No. 255,511. Registered Apr. 23, 1929. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

WHITE CROSS

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 15, 1907.

Reg. No. 271,918. Registered June 17, 1930. D'ARRIGO BROS. CO., Boston, Mass., and San Jose, Calif. Republished by D'Arrigo Bros. Co. of California, San Jose, Calif., a corporation of California.



FOR FRESH VEGETABLES—NAMELY, BROCCOLI, PRICKLY PEARS, AND TOMATOES.
Claims use since July 1, 1928.

Reg. No. 278,730. Registered Dec. 30, 1930. R. D. BODLE CO., doing business as Valley Fruit Canning Co., Seattle, Wash. Republished by R. D. Bodle Co., Seattle, Wash., a corporation of Washington.

TOTEM

FOR FRESH, CANNED, AND FROZEN FRUITS.
Claims use since September 1926.

Reg. No. 283,647. Registered June 2, 1931. PHILLIPS SALES COMPANY, INC., Cambridge, Md. Republished by Phillips Packing Company, Inc., Cambridge, Md., a corporation of Maryland.

Vimpep

FOR CANNED VEGETABLES.
Claims use since about 1925.

Reg. No. 348,504. Registered July 27, 1937. HOUSTON MILLING COMPANY, Houston, Tex. Republished by Arrow Mills, Inc., Houston, Tex., a corporation of Delaware.

ENGINE



FOR WHEAT FLOUR.
Claims use since Sept. 9, 1936.

Reg. No. 348,505. Registered July 27, 1937. HOUSTON MILLING COMPANY, Houston, Tex. Republished by Arrow Mills, Inc., Houston, Tex., a corporation of Delaware.

DOUGHRITE

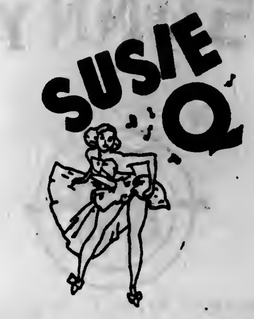
FOR WHEAT FLOUR.
Claims use since Jan. 11, 1937.

Reg. No. 348,647. Registered Aug. 3, 1937. HOUSTON MILLING COMPANY, Houston, Tex. Republished by Arrow Mills, Inc., Houston, Tex., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since Apr. 9, 1923.

Reg. No. 365,256. Registered Feb. 28, 1939. E. H. SPIEGL, Salinas, Calif. Republished by Spiegl Farms, Inc., Salinas, Calif., a corporation of California.



FOR FRESH VEGETABLES.
Claims use since Sept. 20, 1938.

Reg. No. 383,023. Registered Nov. 19, 1940. THE HAROLD N. SIMPSON COMPANY, Chicago, Ill. Republished by The Harold N. Simpson Company (1947), Oak Park, Ill., a copartnership.



FOR FOODS FOR LIVESTOCK.
Claims use since Mar. 6, 1940.

Reg. No. 410,148. Registered Nov. 7, 1944. FARLEY FRUIT COMPANY, Salinas, Calif. Republished by Estate of Reuben Walter Farley, Salinas, Calif.



FOR FRESH VEGETABLES—NAMELY, FRESH LETTUCE.
Claims use since July 1, 1935.

Reg. No. 410,220. Registered Nov. 14, 1944. FARLEY FRUIT CO., Salinas, Calif. Republished by Estate of Reuben Walter Farley, Salinas, Calif.

CANUCK



FOR FRESH VEGETABLES—NAMELY, FRESH LETTUCE, AND FRESH MELONS.
Claims use since Oct. 1, 1939.

Reg. No. 422,179. Registered July 9, 1946. VALLEY VIEW PACKING COMPANY, San Jose, Calif., a firm. Republished by registrant.



The word "Brand" and the representation of the fruit are disclaimed apart from the mark as shown.
FOR DRIED FRUITS—NAMELY, PRUNES.
Claims use since Apr. 13, 1945.

Reg. No. 425,546. Registered Nov. 26, 1946. VALLEY VIEW PACKING COMPANY, San Jose, Calif., a firm. Republished by registrant.

VALLEY-VIEW

FOR DRIED FRUITS, RAISINS AND CURRANTS.
Claims use since 1890.

Reg. No. 442,146. Registered Mar. 1, 1949. LEE & CADY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

QUAKER

FOR CANNED FOOD PRODUCTS—NAMELY, APPLE SAUCE, CRANBERRY SAUCE, BLACKBERRIES, BLACK RASPBERRIES, RED RASPBERRIES, STRAWBERRIES, ROYAL ANN CHERRIES, RED (PIE) CHERRIES, MARASCHINO CHERRIES, FRUITS FOR SALAD, FRUIT COCKTAIL, PLUMS, APRICOTS, GRAPEFRUIT, PEACHES, PEARS, PINEAPPLE, BEANS WITH PORK, WAX BEANS, GREEN BEANS, LIMA BEANS, RED KIDNEY BEANS, BEETS, CORN, PEAS, PEAS AND CARROTS, PUMPKIN, SAUERKRAUT, SPINACH, SUCCOTASH, TOMATOES, ASPARAGUS, CARROTS, HOMINY, MIXED VEGETABLES, MUSHROOMS, PINEAPPLE JUICE, GRAPEFRUIT JUICE, TOMATO JUICE, LUNCHEON MEATS, CHILI CON CARNE, AND MINCE MEAT; CONDIMENTS—NAMELY, SALAD DRESSING, CATSUP, CHILI SAUCE, MUSTARD, PEPPER, SALT, CELERY SALT, GARLIC SALT, ALLSPICE, CLOVES, SAGE, MACE, CHILI POWDER, PAPRIKA, MARJORAM, CUMMIN SEED, CURRY POWDER, POULTRY SEASONING, NUTMEG, CINNAMON, GINGER, TUMERIC, SAVORY, THYME, AND VINEGAR; OLIVES; PICKLES; JAMS; JELLIES; FRUIT PRESERVES; APPLE BUTTER; PEANUT BUTTER; COCOANUT; LEMON EXTRACT FOR FOOD PURPOSES; VANILLA EXTRACT FOR FOOD PURPOSES; EVAPORATED MILK; COFFEE; AND TEA.
Claims use since 1887.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 376,903. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



No claim is made to the representation of the label per se. All the wording except Hiram Walker's, Canadian Club, and applicant's name is disclaimed apart from the mark as shown. The drawing is lined for orange, blue, green, brown, black, and gold.
FOR SLOE GIN.
Claims use since on or about August 1937.

REISSUES

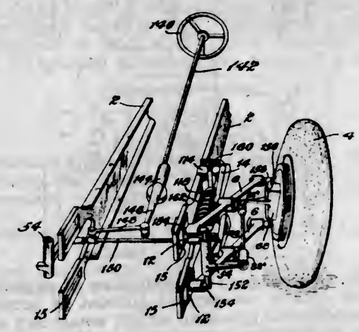
SEPTEMBER 20, 1949

23,147
WHEEL SUSPENSION

Edward William Börjeson, Stockholm, Sweden

Original No. 2,282,025, dated May 5, 1942, Serial No. 241,287, November 18, 1938. Application for reissue February 25, 1948, Serial No. 10,821. In Sweden November 23, 1937

3 Claims. (Cl. 280—96.2)



1. In a vehicle, a frame, a wheel, a wheel carrying member, means connecting said wheel carrying member to the frame for independent rising and falling movement of the wheel with respect to the frame comprising parallel double arm levers pivotally connected at one end to said wheel carrying member, parallel link levers each pivotally connecting intermediate portions of one of said double arm levers to the frame, pivots for the other ends of the double arm levers mounted on the frame for movement with respect thereto in substantially horizontal directions, means connected with said pivots providing a further pivot, a bell crank lever mounted on said further pivot and a steering link connecting said bell crank lever to said wheel carrying member.

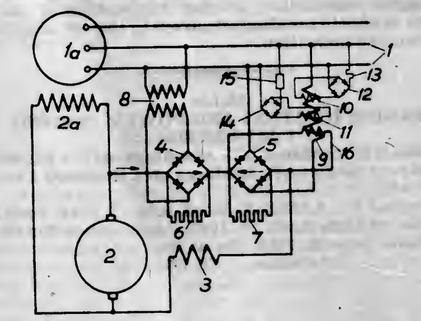
23,148
MEANS FOR REGULATING A MACHINE VOLTAGE

Ulrik Hindenburg Krabbe, Fr. Boge, Denmark, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Original No. 2,429,724, dated October 28, 1947, Serial No. 504,131, September 28, 1943. Application for reissue October 26, 1948, Serial No. 56,621. In Sweden September 28, 1942.

5 Claims. (Cl. 322—24)

1. In a voltage regulating system comprising a main electrical machine, an exciter therefor, and a direct current saturable reactor, means to feed to said reactor the voltage of the main machine, exciting means for said exciter comprising means for producing a first component derived from the voltage of said exciter and means for producing at least partly through the reactor another component counteracting the first component and positively controlled by said reactor, and direct current magnetization means for said reactor responsive to the difference between a standard voltage and the voltage of the main machine.

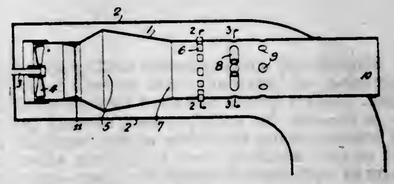


23,149
COMBUSTION BURNER

Isaac Lubbock and Frederick James Battershill, Great Saint Helens, London, England, assignors, by mesne assignments, to Power Jets (Research & Development) Limited, London, England, a company of Great Britain

Original No. 2,398,654, dated April 16, 1946, Serial No. 400,548, June 30, 1941. Application for reissue April 9, 1947, Serial No. 740,298. In Great Britain January 24, 1940

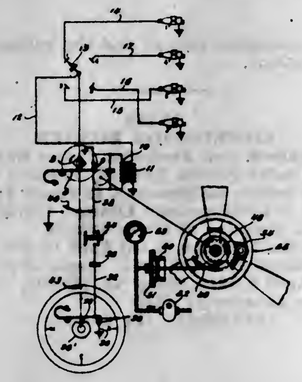
12 Claims. (Cl. 60—44)



1. Apparatus for heat energizing by continuous combustion a fast moving air stream, comprising a duct for said air stream, a flame tube which is at least partly enclosed by said duct and has an outlet for the gases of combustion, means for projecting a stream of fuel into a region of said tube remote from its outlet, first means defining an entry between said duct and flame tube to afford entry to said region of fuel projection of a primary part only of said air stream effective to initiate combustion of said fuel, means producing swirl in said primary air resulting in a flow having a component of motion upstream in the direction opposite to the general direction of flow in the tube whereby said primary combustion can take place with stability notwithstanding an over-

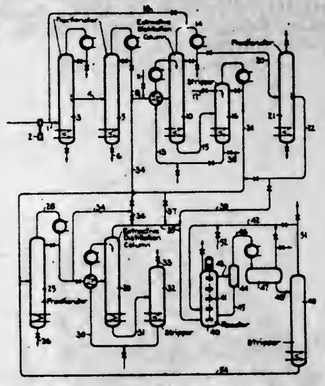
all fast moving flow of the air through the tube, second entry defining means located between said first air entry defining means and said outlet and dimensioned to afford entry from said duct to said tube of a secondary part of said air stream effective to complete the combustion of said fuel, said second air entry defining means being so disposed that the entry afforded thereby has its point nearest to said first air entry defining means at a substantial distance therefrom, not exceeding about twice the maximum diameter of the part of the tube between said entries, such that substantial completion of the combustion of said fuel is effected without destroying the stability of primary combustion.

23,150
ENGINE IGNITION AND POWER TESTING APPARATUS
Robert L. Sexton, Port Washington, N. Y., assignor to John E. Lindberg, Jr., Redwood City, Calif.
Original No. 2,445,245, dated July 13, 1948, Serial No. 583,565, April 16, 1945. Application for reissue June 9, 1949, Serial No. 98,071
4 Claims. (Cl. 73—116)



1. Engine and ignition power testing apparatus comprising an auxiliary cam driven from the engine, contact points actuated by said auxiliary cam, a housing for carrying said contact points, said housing being angularly adjustable with respect to said auxiliary cam to thereby effect the closing of said contact points simultaneously with the firing of any selected engine cylinder, a circuit connecting the engine ignition through said contact points to ground, switch means in said circuit for closing said circuit to cut off the ignition of such selected cylinder, and a torque indicator operable from the engine, for showing changes in the torque output of the engine responsive to the operation of said switch means.

23,151
ISOMERIZATION OF CYCLOPARAFFINS OF NONHYDROAROMATIC STRUCTURE
Russell N. Shiras, Oakland, Alan C. Nixon, Berkeley, and Carl H. Deal, Jr., Alameda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Original No. 2,460,852, dated February 8, 1949, Serial No. 703,992, October 18, 1946. Application for reissue July 16, 1949, Serial No. 105,242
8 Claims. (Cl. 260—666)



1. The process for the production of cyclohexane free of any substantial amount of benzene from naphthenic gasoline which comprises separating a fraction comprising methylcyclopentane and cyclohexane in admixture with close boiling open chain paraffins and benzene from said gasoline, subjecting said fraction to extractive distillation in a first extractive distillation zone, separating a raffinate fraction comprising paraffins from an extract fraction comprising methylcyclopentane, cyclohexane and benzene in said first extractive distillation zone, passing said extract fraction from said first extractive distillation zone into a cycloparaffin fractionating zone, separating a vapor fraction comprising methylcyclopentane and benzene from a liquid fraction comprising cyclohexane free of any substantial amount of benzene in said cycloparaffin fractionating zone, passing said vapor fraction from said cycloparaffin fractionating zone into a second extractive distillation zone, separating a raffinate fraction comprising methylcyclopentane free of any substantial amount of benzene from an extract fraction comprising benzene in said second extractive distillation zone, contacting said raffinate from said second extractive distillation zone with an isomerization catalyst at methylcyclopentane isomerizing conditions in a conversion zone, thereby converting methylcyclopentane to cyclohexane in said conversion zone, passing effluence from said conversion zone into said cycloparaffin fractionating zone, and withdrawing said liquid fraction consisting essentially of cyclohexane free of any substantial amount of benzene from said cycloparaffin fractionating zone.

PLANT PATENTS

GRANTED SEPTEMBER 20, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

873
CAMELLIA PLANT
Frank A. Godchaux, Abbeville, La.
Application May 28, 1948, Serial No. 29,771
1 Claim. (Cl. 47—60)

The new and distinct variety of camellia plant substantially as herein disclosed, characterized by the flower semi-double, medium pink variegated petals, with golden anthers on white filaments whose base is pink; fragrance definite, as compared to most semi-double varieties; rich green foliage and dense upright habit of growth.

874
ROSE PLANT
Hendrikus Antonie Maria Verschuren, Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application February 14, 1949, Serial No. 76,332
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its habit of free growth in the greenhouse, its production of very large green, glossy foliage, the large size and coloring of the flowers, and the unusual fragrance characteristic of the flowers, substantially as shown and described.

875
GERANIUM PLANT
William J. Haase, Peoria, Ill., assignor to Haase Brothers, Peoria, Ill., a partnership
Application July 26, 1948, Serial No. 40,775
1 Claim. (Cl. 47—60)

The new and distinct variety of geranium plant substantially as herein shown and described, characterized particularly by its vigorous, stocky, compact growth, its prolific reproduction from cuttings; its profuse and continuous blooming habit; its abundant foliage of medium green; its short, heavy stems both of flower and of leaf; and its large flower clusters of double-petaled florets of pure scarlet color which continues brilliant throughout the year.

PATENTS

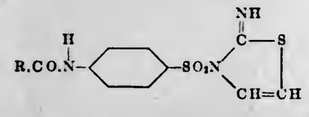
GRANTED SEPTEMBER 20, 1949

2,482,084
ALKYLATING THIOPHENE WITH SULFURIC ACID CATALYST
Philip D. Caesar and Phares G. Waldo, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application February 23, 1946, Serial No. 649,728
11 Claims. (Cl. 260—329)

2. A method for synthesizing the homologues of thiophene having at least one nuclear hydrogen replaced by an alkyl group which comprises reacting a thiophene compound having at least one hydrogen of the thiophene nucleus replaceable with an alkylating agent in the presence of concentrated sulfuric acid and sufficient of a non-reactant diluent of the class consisting of water and acetic acid to provide a solution of sulfuric acid having a concentration of about 45 to about 75 per cent at temperatures of about 55° to about 300° C., the lower the concentration of sulfuric acid in said solution of sulfuric acid the higher the reaction temperature.

2,482,085
METHOD FOR THE PREPARATION OF SULFATHIAZOLES
Michael N. Dvornikoff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 23, 1944, Serial No. 541,849
7 Claims. (Cl. 260—239.6)

1. A process of preparing an N^4-acylsulfathiazole which comprises heating an anhydrous 3-(N^4-acylsulfanilyl)-2-imino-4-thiazoline having the formula:



in which R.CO represents an acyl radical, until conversion to the corresponding N^4-acylsulfathiazole is complete.

2,482,086
RESINOUS COMPOSITIONS AND USE THEREOF IN FORMING ELECTRICAL MEMBERS AND LAMINATED PRODUCTS
Newton C. Foster, McKeesport, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 1, 1944, Serial No. 529,173
20 Claims. (Cl. 154—43)

20. A laminated member comprising a plurality of sheets of fibrous material and a binder impregnating the sheets and bonding them together, the binder composed of the copolymer of 10 to 95 parts by weight of a monomer having the group $H_2C{=}C<$ and 90 to 5 parts by weight of the reaction product of at least one mol of an acidic compound selected from the group consisting of ethylene alpha-beta dicarboxylic acids and anhydrides thereof and one mol of a mixture of castor oil and another vegetable oil, the mols of acidic compound not substantially exceeding the mols of the acyl radicals in the esters.

2,482,087
PROCESS FOR THE POLYMERIZATION OF STYRENE AND MONO-ALLYL MALEATE
Newton C. Foster, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 29, 1945, Serial No. 638,473
4 Claims. (Cl. 260—78.5)

1. A liquid coating composition comprising 100 parts by weight of a volatile organic solvent selected from the group consisting of ketones, alcohols and esters boiling below 100° C. and from 5 to 120 parts by weight of a solute composed of the thermoplastic, heat-convertible resinous composition derived by refluxing from 1 to 10 moles of monostyrene with one mole of monoallyl maleate in acetone at a temperature of about 70° C. for from approximately 16 to 48 hours in the presence of benzoyl peroxide, the reaction being so conducted that the unsaturated group in the monostyrene reacts with the unsaturated group in the maleate radical to form a copolymer while the unsaturated allyl group does not react and is available for subsequent reaction.

2,482,088
ADDUCT OF BUTADIENE SULFONE AND BROMOTRICHLOROMETHANE AND PROCESS OF PARTIAL DEHALOGENATION THEREOF
Morris S. Kharasch, Chicago, Ill., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 25, 1947, Serial No. 782,217
4 Claims. (Cl. 260—329)

1. The chemical compound, 3-bromo-tetrahydro-4-trichloromethylthiophene-1,1-dioxide.

2,482,089
METHOD OF MAKING A HIGH-DENSITY EXPLOSIVE
Ludwig F. Audrieth and De Witt D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application March 20, 1944, Serial No. 527,323
1 Claim. (Cl. 52—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of preparing a high density explosive composition including trinitrotoluene, trinitrophenyl-methylnitramine and cyclotrimethylenetrinitramine, the said method comprising forming a suspension of cyclotrimethylenetrinitramine in a liquid melt of trinitrotoluene in which trinitrophenyl-methylnitramine is dissolved, and thereafter solidifying the said suspension.

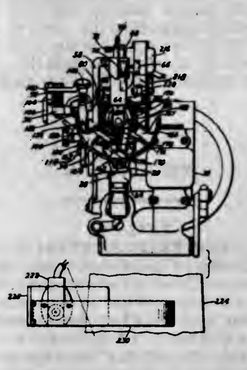
2,482,090
METHOD OF MAKING A HIGH-DENSITY EXPLOSIVE
Ludwig F. Audrieth and DeWitt D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application March 20, 1944, Serial No. 527,324
1 Claim. (Cl. 52—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of preparing a high density explosive composition including trinitrotoluene, trinitrophenyl-methyl-nitramine and ethylenedinitramine, the said method comprising forming a suspension of ethylenedinitramine in a liquid melt of trinitrotoluene in which trinitrophenyl-methyl-nitramine is dissolved, and thereafter solidifying the said suspension.

2,482,091
METHOD OF MAKING A HIGH-DENSITY EXPLOSIVE
Ludwig F. Audrieth and DeWitt D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War
No Drawing. Application March 20, 1944, Serial No. 527,326
1 Claim. (Cl. 52—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

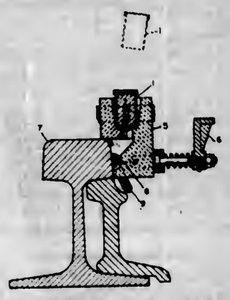
The method of preparing a high density bursting charge including trinitrotoluene, pentaerythritol tetranitrate, and ethylenedinitramine, the said method comprising forming a suspension of ethylenedinitramine in a liquid melt of trinitrotoluene in which pentaerythritol tetranitrate is dissolved, introducing the said suspension into a cavity intended to carry the bursting charge, and solidifying the said suspension in said cavity.

2,482,092
ROUNDING MACHINE
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 7, 1946, Serial No. 652,721
24 Claims. (Cl. 12—85)



1. In a machine for rounding a sole attached to a shoe-upper, a rounding knife to which the sole is advanced, and a forepart-guide movable in the direction of advance of the work by contact with the shoe-upper and arranged to vary the relation of the shoe-sole to the knife.

2,482,093
PROCESS FOR ALUMINOTHERMIC WELDING
Noble G. Carlson, Cleveland Heights, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application August 21, 1946, Serial No. 691,926
5 Claims. (Cl. 75—27)



1. The method of welding a copper bond to steel rails which comprises exothermically reducing copper oxide by means of an aluminum reducing agent admixed with a small amount not substantially in excess of 2½% of a fluoride flux, whereby reduced molten metal is produced, and discharging the said molten metal into a mold in which the copper bond is held against the steel rail whereby the bond is welded to the said rail while porosity in the weld metal is prevented.

2,482,094
PROCESS OF PRODUCING FILMS BEARING DESIGNS
Marc A. Chavannes, Lisbon, and Arthur B. Sherry, Hartford, Conn., assignors, by direct and mesne assignments, to Chavannes Industrial Synthetics, Inc., New York, N. Y., a corporation of Delaware
Application July 8, 1946, Serial No. 681,780
21 Claims. (Cl. 18—57)

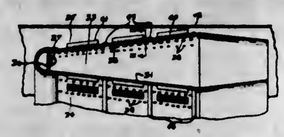


1. A method of producing a flexible film having on one face an undulated area, comprising the steps of applying a design layer of a relatively non-absorbent film-forming substance to a related area of an absorbent carrier, applying a continuous layer of a film-forming substance to said carrier and over said design layer, applying a swelling agent to the exposed surface of said continuous layer to cause undulations therein in an area opposite said design layer, drying said layers, and stripping said continuous layer from said carrier.

2,482,095
COMBUSTION APPARATUS
Willard L. Christensen, Moylan, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 3, 1946, Serial No. 700,902
1 Claim. (Cl. 60—44)

Combustion apparatus comprising wall structure defining a combustion chamber and an air space, said wall structure including an annular wall having circumferentially-spaced and longitudinally-extending rows of openings, said wall

separating the combustion chamber from the air space; series of longitudinally-aligned channel members secured to the air space surface of said wall between adjacent rows of openings, the legs of the channel members projecting radially into the air space in heat transfer relation to air



passing through said air space, and the members of each series being longitudinally spaced from one another; and a plurality of circumferential re-enforcing strips secured to the air space surface of the wall and positioned transversely of the series of channel members in the spaces between the members of the series.

2,482,096
ALLOY AND METHOD
William Charles Clarke, Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application July 27, 1944, Serial No. 546,926
9 Claims. (Cl. 75—125)

1. A chromium-nickel stainless steel having precipitation-hardenable properties, said steel containing about 15.5% to approximately 18.5% chromium, about 3.5% to approximately 5.5% nickel, copper in amounts between about 3.2% and approximately 5.0%, carbon not exceeding about 0.1%, and the remainder substantially all iron.

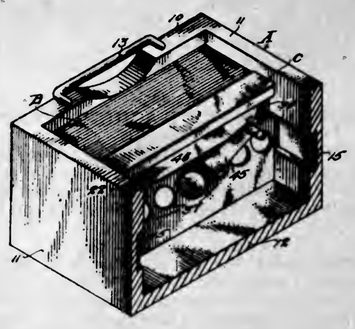
2,482,097
ALLOY AND METHOD
William Charles Clarke, Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application July 27, 1944, Serial No. 546,927
7 Claims. (Cl. 148—21.54)

1. In a method of conditioning low-carbon chromium-nickel stainless steel, providing a steel containing about 16.5% to 18.5% chromium, about 4.75% to 5.60% nickel, and including copper between about 3.5% and 5.0%, and the remainder substantially all iron; treating said steel within a temperature range of about 1700° F. to 2000° F. and quenching the same to provide a copper-soluble austenitic condition stable down to at least room temperature; transforming the alloy; and heating the transformed alloy within a temperature range of 850° F. to 950° F. to precipitate copper and obtain an increase in the alloy hardness.

2,482,098
HARDENABLE IRON ALLOY
William Charles Clarke, Jr., Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application October 23, 1945, Serial No. 624,088
6 Claims. (Cl. 75—125)

1. A chromium-nickel stainless steel having precipitation-hardening properties, said steel comprising about 16.5% to 18.5% chromium, approximately 2.85% to 4.85% nickel, copper between about 3% and 5%, about 0.14% to about 0.21% nitrogen and carbon in sum total, at least one of the latter elements further being in the respective approximate ranges of 0.05% to 0.13% nitrogen and 0.10% to 0.16% carbon, and the remainder substantially all iron.

2,482,099
COMPRESSOR FOLLOWER FOR VERTICAL FILES
Oluf L. Cleven, Washington, D. C., and Lawrence A. Wilson, McLean, Va.
Application January 30, 1946, Serial No. 644,389
6 Claims. (Cl. 129—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a filing tray having inner side walls provided with tracks, a compressor-follower comprising a file compressor plate member having peripheral flanges, a second plate member having peripheral flanges, the said flanges of the two members having telescopically interfitting relation, means disposed between said two members and operative to effect their relative movement toward and away from each other, a lever for operating said means, shoes rigidly secured to said second plate member and slidably disposed in said tracks, an element disposed between each of said shoes and the corresponding track, each element being movable to secure its shoe to the corresponding track, and resilient supporting means for said elements, said supporting means being located between said plate members, being supported by one of said plate members, and being engageable with the other plate member to respond to relative movement of said plate members for moving said elements.

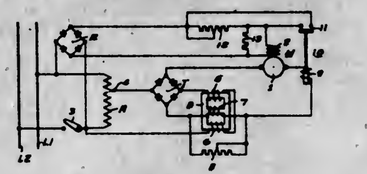
2,482,100

WITHDRAWN

2,482,101
CONTROL SYSTEM
Nelson D. Cooper, Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1945, Serial No. 591,048
4 Claims. (Cl. 318—347)

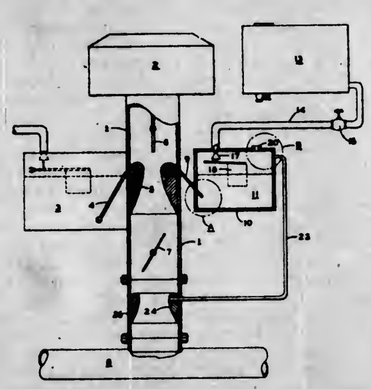
1. A control system for operating a direct-current drive from an alternating-current source, comprising center-tapped adjustable transformer means for deriving an adjustable alternating-current voltage from said source, two half-wave rectifiers connected mutually in opposition to said transformer means and having a common connection to the center tap of said transformer

to produce a full-wave rectified voltage across said connection, a direct-current motor having an armature disposed in said connection to be energized by said rectified voltage, saturable reactor means of substantially linear characteristic having two pairs of alternating-current windings and a direct-current control winding arranged relative to one another so that the two windings of each of said pairs substantially balance each



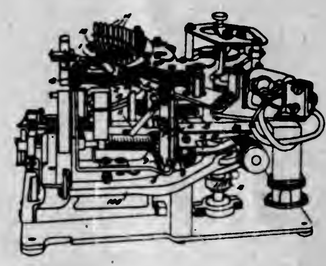
other as regards their effect on said control winding, said pairs of windings being connected between said circuit means and said two rectifiers, respectively, and said control winding being disposed in said common connection to be energized in accordance with the IR drop of said connection for changing the impedance of said alternating-current windings in substantially inverse relation to changes in said voltage drop.

2,482,102
ANTIDETONANT LIQUID INJECTION APPARATUS
Donald E. Dahle, United States Navy
Application September 21, 1945, Serial No. 617,893
1 Claim. (Cl. 261—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an anti-detonant liquid injection system for internal combustion engines having a manifold through which a fuel mixture is supplied to said engine, a carburetor provided with an air intake duct in communication with said manifold, a throttle valve positioned in said duct "downstream" from said carburetor, a section of pipe connecting said air intake duct to said manifold, a first Venturi tube positioned in said intake duct "upstream" from said throttle valve for injecting fuel from said carburetor into said intake duct, a chamber containing anti-detonant liquid with a space thereover, tubular means connected to the throat of said Venturi tube and to said chamber for injecting the anti-detonant liquid into said air intake duct, a second Venturi tube having a throat of larger diameter than that of said first Venturi tube positioned in said section of pipe, tube means connecting the throat of said second Venturi tube directly with the space over the anti-detonant liquid in said chamber, means in said chamber operable to maintain the anti-detonant liquid therein at a constant level and below the point of injection of said liquid into said air intake duct, a vent in said chamber providing communication between said space and the exterior atmosphere to thereby bleed atmospheric air into said chamber, said second Venturi tube producing a suction pressure in said chamber substantially equal to the static manifold pressure at other than relatively high engine speeds and producing a suction pressure at high engine speeds sufficiently low to stop the injection of the anti-detonant fluid into said intake duct.

2,482,103
TYPING REPERFORATOR
Antonio P. Di Gregorio, United States Army, Washington, D. C.
Application January 16, 1946, Serial No. 641,555
5 Claims. (Cl. 164—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

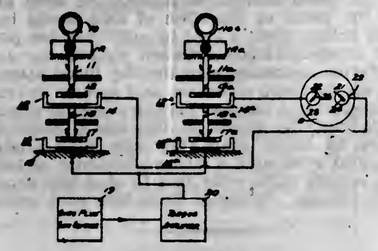


1. In a typing reperforator machine having at least a main bail, a main bail cam, a main bail mechanism actuated by said main bail cam for operating the main bail, a cam lever actuated by said main bail cam, and a code bar locking lever, means for bypassing the action of the main bail comprising a lever pivotally mounted on a bracket which is attached to a fixed part of the machine, an arm attached to said lever and loosely engaging one end of the cam lever and actuated thereby, a bar attached to the other end of said lever, an extension of the bar adapted to engage the code bar locking lever of the machine, and a guide for the extension, whereby said locking lever is oscillated in synchronism with the main bail.

2,482,104
INHIBITED PHOSPHORIC ACID SOLUTION
Frank E. Dollan, United States Army
No Drawing. Application February 8, 1946, Serial No. 646,480
1 Claim. (Cl. 23—165)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

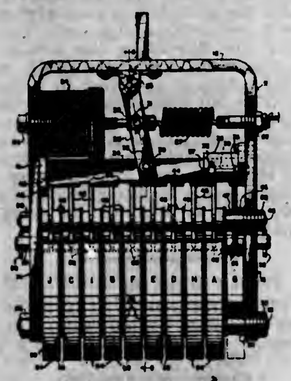
A composition inhibited against corrosion of ferrous metals by phosphoric acid and consisting of a 25% aqueous H_3PO_4 solution containing .1% as As_2O_3 and .1% of 4-methyl-2-hydroxy quinoline.

2,482,105
NAVIGATIONAL SYSTEM
Llewellyn Goode Duggar, United States Army, Montgomery, Ala.
Application March 5, 1948, Serial No. 581,012
9 Claims. (Cl. 343—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



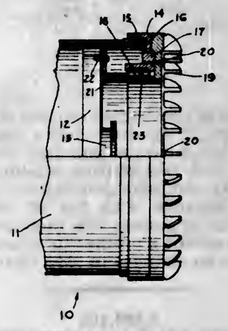
1. In a navigational aid device of the type having at least two radio receivers, each utilizing a rotatable loop antenna, a transmitting Selsyn having a rotor and a stator, means for causing said transmitting Selsyn rotor to duplicate the angular position of one of said rotatable loop antennas, a motor Selsyn having a rotor and a stator, means for causing said transmitting Selsyn stator to duplicate the angular position of said motor Selsyn rotor, an indicating Selsyn having a stator and a rotor, means for electrically connecting the stator of said transmitting Selsyn to the stator of said indicating Selsyn, a north indicating compass and means for changing the electrical field of said motor Selsyn stator in accordance with the indication of said north indicating compass.

2,482,106
DEVICE FOR CONTROLLING THE BUOYANCY OF SUBFLOATING BODIES
Robert C. Duncan and Albert H. Sellman, Washington, D. C.
Application December 30, 1941, Serial No. 424,954
15 Claims. (Cl. 102—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



12. In a device for controlling the buoyancy of a body disposed within a fluid, a weight dropping mechanism comprising a control means, a slideable bar adapted to be moved to different positions in succession by said control means and having a plurality of stop devices therein, a plurality of movable elements adapted to be released by said stop devices selectively in accordance with the degree of movement of said bar, and a plurality of releasably supported weights associated respectively with each of said movable elements and adapted to be released thereby.

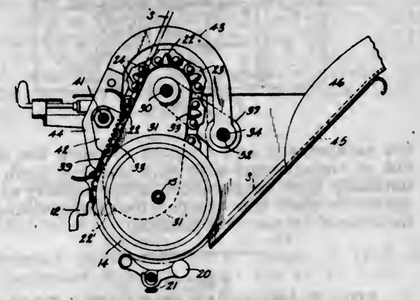
2,482,107
MANUALLY OPERABLE FOCUSING DEVICE FOR CAMERAS
Earl J. Hackethorn, Kansas City, Mo.
Application May 3, 1946, Serial No. 666,943
1 Claim. (Cl. 95—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



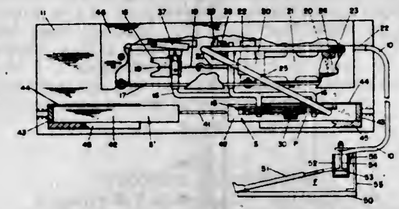
A focusing device for the lens positioned in the cone of a camera comprising a retaining ring detachably fastened to the cone of the camera, an inwardly extending flange on said ring, an annular, interiorly threaded collar rotatably mounted within said retaining ring, an outwardly extending flange on said collar of greater diameter than the diameter of said inwardly extending flange of said retaining ring, said outwardly extending flange being located behind said inwardly extending flange in lapping relationship thereto, an annular manual adjustment member secured to and extending outwardly in front of said collar, an integral flange on said adjustment member extending inwardly therefrom in spaced relationship to said interiorly threaded collar and coaxial therewith, an exteriorly threaded cylindrical ring provided with an outwardly extending flange in threaded engagement with said interiorly threaded collar and in sliding contact with said integral flange on said adjustment member, said cylindrical ring in sliding, non-rotating engagement with said camera cone and a lens mount secured to the flange on said cylindrical ring in axial alignment with said camera cone whereby rotation of the manual adjustment member and collar axially varies the longitudinal position of the lens mount with respect to the camera cone to focus the lens therein and whereby the adjustment member, the collar, the cylindrical ring and the lens mount are removable as a unit with said retaining ring.

2,482,108
PAPER FEED FOR WRITING MACHINES
Louis F. Hageman, Lewiston, N. Y., assignor to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application November 4, 1946, Serial No. 707,625
21 Claims. (Cl. 197—133)

2. In a strip feeding mechanism for machines of the character described, in combination, a platen having a cylindrical writing surface, a flexible traveling belt carrying a series of feed pins engaging in feeding and aligning relation in feed apertures in the strips and positioned for engagement in feeding and aligning relation with said strip apertures in substantial alignment with the writing line of said platen, and means including spaced belt supports over which the belt travels for mounting and positioning said traveling belt to cause said feed pins to enter in serial order into engagement with said strip feed apertures at the inner sides of the strips and intermediate the ends of an arc of the strips which is in engagement with said cylindrical platen surface.



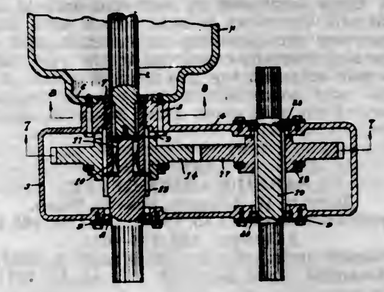
2,482,109
SLIP HANDLING APPARATUS
William T. Harrison, Denver, Colo.
Application April 8, 1944, Serial No. 530,116
3 Claims. (Cl. 271—5)



1. Handling apparatus comprising a receiving station for a plurality of elements; a suction device for picking up said elements in turn and moving said elements to a second station; a pivotally mounted support for moving said suction device from said first station to said second station; suction operated means for moving said support; a suction line connected with said suction device and said suction operated means; a valve mounted on said support for admitting air into said suction line at a predetermined point; and a cam attached to said support and positioned for actuating said valve.

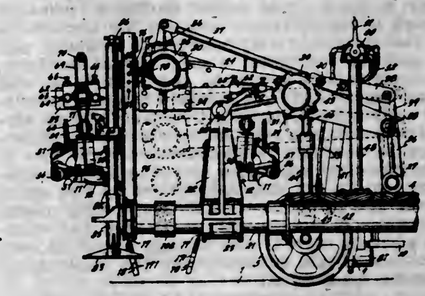
2,482,110
POWER TRANSMISSION MECHANISM
Bernard E. Hill, Jacksonville, Fla.
Application September 11, 1946, Serial No. 696,095
1 Claim. (Cl. 74—15.88)

A power take off transmission adapted to be connected to a splined power output shaft, a gear housing adapted to be connected to a housing containing the output shaft, a sleeve adapted to be splined to the output shaft and extend into the gear housing, said sleeve having external splines, a large gear adjustable along said splines of the sleeve and having splines for connection therewith, a shaft extending from the gear housing and adapted for connection to a propeller shaft having splines adapted to receive the internal splines of the large gear whereby a driving connection can be effected between the sleeve and the shaft adapted to be connected to the propeller shaft, a second shaft extending through the housing and from the opposite ends thereof adapted for connection with auxiliary devices, said second shaft being splined, a gear axially slidable over the splines of the second shaft and



adapted to be adjusted for engagement with the gear on the sleeve, and gear lever means connected to the gear housing and to the respective gears to selectively cause the gear on the sleeve to be placed either in engagement with the splines on the shaft adapted to be connected to a propeller shaft to couple the sleeve and the shaft or to be free of the shaft adapted to be connected to the propeller shaft and the second gear on the auxiliary shaft to be placed in either driving relation with the first gear when in either of its selective positions or free of the first gear to permit the operation of the propeller shaft alone without the operation of the auxiliary shaft.

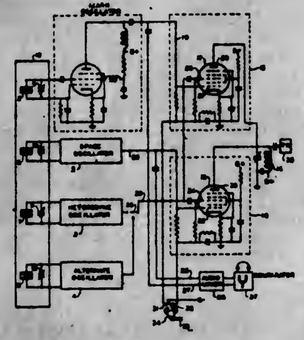
2,482,111
TIE TAMPING OR BALLASTING MACHINE
Corwill Jackson, Ludington, Mich., assignor to Jackson Vibrators, Inc., Ludington, Mich., a corporation of Michigan
Application October 20, 1947, Serial No. 780,952
38 Claims. (Cl. 104—12)



1. In a machine of the class described, the combination with a carriage adapted to travel upon the rails of a railway track, a centrally disposed beam projecting forwardly from the carriage, an upright on said beam, a cross head disposed at the front of said upright and provided with a plurality of longitudinally spaced cross arms, supporting bars on which said cross head is rotatably

mounted, rocker arms on said carriage to which the rear ends of said supporting bars are pivotally connected, a cross bar extending between said supporting bars at the rear of said upright, a link pivotally mounted on said upright and pivotally connected to said cross bar, manually controlled hydraulic means for raising and lowering said cross head supporting bars connected thereto adjacent said cross bar, means for maintaining said cross head in upright position in various positions of adjustment thereof comprising an arm on said cross head, a rocker arm on said carriage, a pair of pivotally connected links, one link being connected to said arm on said cross head and the other to said rocker arm, and a supporting arm pivotally mounted on said carriage and pivotally connected to the rear link of the pair adjacent the pivotal connection of the links, and vibratory tamper units swingably mounted on said cross head arms in opposed pairs.

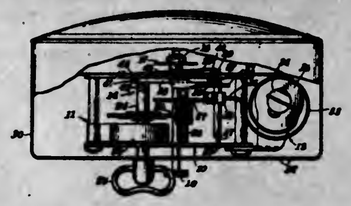
2,482,112
CARRIER SHIFT KEYER
Howard W. Johnson, Seattle, Wash.
Application January 25, 1946, Serial No. 643,443
3 Claims. (Cl. 178—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a carrier shift keyer of the character described a mark crystal oscillator, a heterodyne crystal oscillator, a mark mixer combining the outputs of said mark crystal oscillator and of said heterodyne crystal oscillator and deriving therefrom a mark signal output having a frequency which is the difference between the frequencies of the outputs of said heterodyne oscillator and of said mark oscillator, a space mixer combining the outputs of said space crystal oscillator and said heterodyne crystal oscillator and deriving therefrom a space signal output having a frequency which is the difference between the frequencies of the outputs of said heterodyne oscillator and of said space oscillator, an output circuit common to said mark mixer and said space mixer, and keying means alternatively blocking said mark and space mixers whereby there is alternatively passed, in code sequence in said output circuit, the mark signal and the space signal.

2,482,113
FIRE ALARM
James A. Johnston, Los Angeles, Calif.
Application March 16, 1946, Serial No. 654,971
12 Claims. (Cl. 116—102)

2. An alarm device comprising the time-controlled spring-operated alarm mechanism of an alarm clock and including an escapement and a bell clapper thereon and further including a member having releasable holding engagement with the clapper, a thermostatic element coupled with



the escapement and adapted to move the same out of engagement with said member upon abnormally high temperature in the vicinity of the device to free the clapper for alarm-sounding movement by said mechanism.

2,482,114
SHOCK ABSORBER FOR CABLE TOOL DRILLING MACHINES
Nicholas N. Labounsky, Beaver Falls, Pa., now by judicial change of name Nicholas N. Nixon, assignor to Keystone Driller Company, Beaver Falls, Pa.
Application November 18, 1946, Serial No. 710,480
1 Claim. (Cl. 267—1)



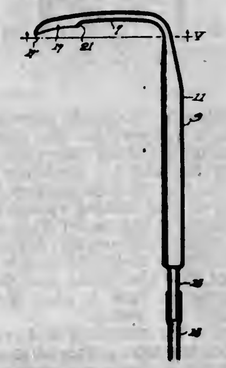
In a spudding drilling machine having a frame, a derrick rising from said frame and a crown sheave vertically movably mounted on the upper end of said derrick, the combination therewith of a shock absorber operatively interposed between said crown sheave and said derrick, comprising a cylinder operatively connected at its lower end to said derrick and filled with liquid, a plunger reciprocable in said cylinder, a hollow piston rod operatively connecting said piston to said crown sheave and having its interior in communication with that of said cylinder and being vented to the atmosphere, shock absorbing spring means arranged in said cylinder between said plunger and the lower end of said cylinder, and a liquid retarding valve device arranged in said piston rod and constructed to retard the flow of liquid from said hollow piston rod into said cylinder during the upward movement of said plunger in said cylinder and to permit the liquid to flow more freely from said cylinder into said hollow piston rod during the downward movement of said plunger in said cylinder, said retarding valve device comprising a U-shaped guide member having two longitudinal legs engaging said hollow piston rod and secured thereto and a cross bar connecting said legs, a valve ring secured to said legs and having an upwardly facing annular valve seat, a check valve member having guide notches receiving said legs and movable toward and away from said seat and being fluted on its periphery to provide liquid by-pass ports and having at its center an upstanding tube providing a passage through said check valve member, said tube extending through a guide opening provided in said cross part, and a spring interposed between said check valve member and cross bar to urge said check valve member yieldingly against said seat.

2,482,115
OPTICAL PROJECTOR AND SYSTEM
Joseph P. Laird, Jr., United States Navy
Application October 18, 1945, Serial No. 623,165
1 Claim. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



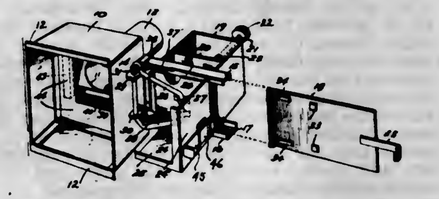
An optical system comprising a concave spherical mirror, a flat partially reflecting mirror disposed between said spherical mirror and the focal point thereof, and a spherical surface disposed to one side of a path from said spherical mirror through said flat mirror, whereby rays of light in the system will at one optical extremity of the system define focal points at said spherical surface and at the other optical extremity of the system will be in substantially collimated relation and pass through the said curvature of said mirror, and a second spherical mirror having a radius substantially equivalent to that of the first spherical mirror and disposed concentrically with respect to said spherical surface.

2,482,116
TONGUE DEPRESSOR
Charles R. Lanahan, Hot Springs, Ark.
Application January 7, 1948, Serial No. 973
1 Claim. (Cl. 128—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A suction tongue depressor for use in oral and nasal surgery, which comprises a substantially flat tubular tongue-depressor portion, a tubular handle portion disposed at approximately right angles to the tongue-depressor portion for ready application of the tongue-depressor portion to a tongue to be manipulated, the depressor portion and handle portion having a continuous air passage therethrough, the depressor portion being provided with an inwardly directed and expanded tongue-engaging end provided with a suction opening substantially coextensive with the area of the expanded tongue-engaging end for engaging a substantial area of the tongue, the said suction opening being on the underside of the tongue-depressor portion, means for connecting the handle portion to a source of suction, a sealing flange surrounding the opening to prevent entry of air between the opening and the tongue responsively to application of suction to the opening, and means in the handle portion for enabling control of the amount of suction at the suction opening, the suction opening defining a suction cup for retaining the tongue against the depressor portion for enabling manipulation and holding of the tongue in any desired position.

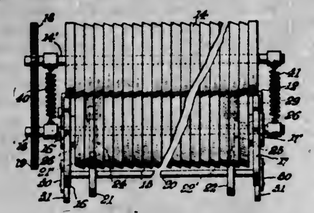
2,482,117
SLIDE SHIFTER FOR PROJECTORS
Vernon E. Leas, Minneapolis, Minn.
Application July 25, 1946, Serial No. 686,091
2 Claims. (Cl. 88—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a projector of the character described wherein a projector housing is formed having a projection opening therein before which lantern slides are to be positioned, upper and lower parallel channel tracks above and below said opening and extending laterally through one side of the housing and beyond, a forward slide-holding rack opening from said tracks beside the housing constructed to hold a stack of slides to be displayed, means to press a stack therein toward the tracks, a receiving rack beside said housing opening from said tracks opposite the first mentioned rack, means to guide and stack slides therein when retracted slidingly from said housing, a shifter device slidable in said tracks from a retracted position between said two racks to an inner limit across said projection opening, means on one side of the shifter to engage the outer side edge of the first slide in the first named rack when the shifter is moved inward from retracted position, means on the inner end of the shifter to engage and retract a slide from before said projection opening when the shifter is moved from its said inner limit to retracted position and means to operate the shifter; wherein pads are formed on the rear face of the said shifter positioned to receive thereagainst a slide in said tracks at the rear of the shifter while the latter is at the inner limit of its movement, and the rear sides of said tracks before the receiving rack are interrupted to receive a slide edgewise therethrough when retracted along the tracks from the housing, a leaf spring being fixed rear-

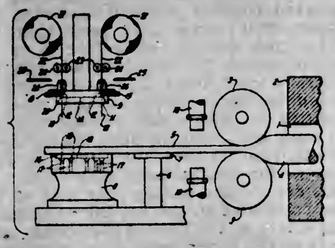
wardly of the track adjacent the outer side of said interruption and inclined forwardly and toward the housing to bear wipingly against the rear side of the shifter throughout reciprocation of the latter so as to enter between the shifter and a retracted slide.

2,482,118
PAPER CUTTER
Robert J. Matthews, Hasbrouck Heights, N. J.
Application October 10, 1944, Serial No. 558,064
4 Claims. (Cl. 164—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a machine for cutting a blank, a rotatably driven roller having a plurality of annular cutting edges, a second rotatably driven roller having a plurality of cutting edges adapted to cooperate with the cutting edges of the first roller to perform a cutting operation, a table adjacent said rollers, means on said table for feeding a blank between said rollers, a shaft beneath said table, means for rotating said shaft, a cam on said shaft mounted for rotation therewith, means operated by said cam for intermittently preventing said feeding means from feeding a blank on said table between said rollers, another cam independently rotatable on the end of one of said rollers and in contact with the other of said rollers, and means connecting said shaft and said last mentioned cam to provide for said last mentioned cam an oscillatory motion in response to the rotation of said shaft.

2,482,119
METHOD OF MAKING STEMS FOR ELECTRIC LAMPS
Erich Mickley, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States
Application December 15, 1941, Serial No. 423,106
In Germany October 8, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 8, 1960
2 Claims. (Cl. 49—78)



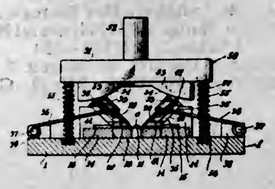
1. The method of making stems for electric lamps and similar devices which comprises preliminarily fusing a coating of glass on intermediate portions of a plurality of lead-in wires, forming plastic glass into a ribbon and then forming stems from successive portions of the ribbon by punching blanks therefrom and simultaneously inserting the lead-in wires through the blanks to embed the coated portions thereof in the said blanks.

2,482,120
GRIP ON GOLF CLUBS
Frank Mishkinis, Westwood, Calif.
Application February 13, 1948, Serial No. 8,111
2 Claims. (Cl. 273—81)



1. A golf club grip extending above the shaft and being circular in cross-section at every point of its length and formed successively with a lower tapered portion merging with the shaft, a cylindrical portion equal in diameter to the largest diameter of the tapered portion, a swollen portion and a reduced portion, and the center of each portion of the grip being eccentric to the axis of the shaft.

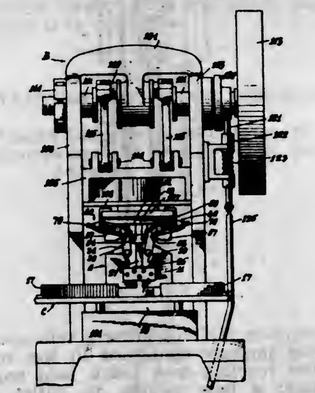
2,482,121
NOTCHING MACHINE
Glenn H. Norquist, Jamestown, N. Y.
Application October 3, 1944, Serial No. 557,021
19 Claims. (Cl. 29—1)



1. A machine for notching panels including in combination, a support for the panel, a pair of hinged cutting elements movable into cutting position over the panel, a pressure block having a pressure face positioned adjacent the cutting edge of each of said cutting elements adapted to be pressed against the panel during the cutting operation, and pressure means for applying pressure to said cutting elements to drive the cutting edges thereof into the panel and simultaneously press the pressure face of said pressure blocks firmly against the panel.

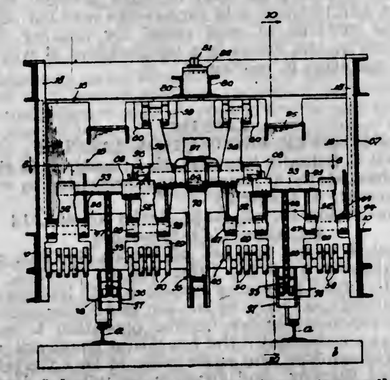
4. A machine for notching and crimping metal clad panels of the type comprising a metal sheet secured to a base sheet, said machine including in combination, a die block having a preformed die face upon which the metal face of the panel may be supported, a pair of hinged cutting knives movable into position over the base sheet of the panel supported upon said die block, guide elements adapted to rest on the base sheet and guide the cutting movement of said knives, and a reciprocable pressure device operative to exert downward pressure on said knives to cut the base sheet and press the adjacent section of the metal sheet into shaping contact with the die face of said die block.

2,482,122
NOTCHING MACHINE
Glenn H. Norquist, Jamestown, N. Y.
Application June 23, 1945, Serial No. 601,211
17 Claims. (Cl. 164—50)



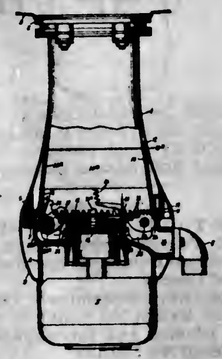
1. A machine for notching panels including in combination, a support for the panel, a pair of reciprocable side cutting elements presenting cutting edges for severing the side faces of the notch, a reciprocable end cutting element having a cutting edge shaped to cut the closed end of the notch, means for guiding the reciprocating movement of said cutting elements, and means for reciprocating said cutting elements.

2,482,123
MACHINE FOR TAMPING BALLAST
Frank H. Philbrick, Evanston, Ill.
Application August 13, 1947, Serial No. 768,301
15 Claims. (Cl. 104—12)



1. A ballast tamping machine for railways comprising a drop-head, mechanism for imparting lifting strokes to the head, opposed gangs of tampers for packing ballast under a tie, supported on the head for bodily and pivotal movement during the strokes of the head, and mechanism for controlling the angular movement of the tampers, said head comprising rigidly connected sideplates, box-like spacing members and plates carrying bearings for pivotally supporting the tampers, said sideplates, spacing members, and bearing carrying plates being integralized by welds.

2,482,124
WASTE DISPOSAL APPARATUS
James H. Powers, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 29, 1945, Serial No. 638,383
2 Claims. (Cl. 241—257)

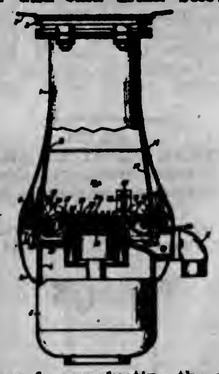


1. In apparatus for comminuting waste material, the combination of a wall which defines a shredding chamber, a flywheel at the lower end of the shredding chamber, the edge of said flywheel having a close clearance with the adjacent chamber wall, one or more shredding members carried by and projecting from the chamber wall above said flywheel, the lower ends of said shredding members terminating short of the top surface of the flywheel to provide relatively large spaces between them and the peripheral edge portion of the flywheel, one or more impeller blades carried between peripheral portions of the flywheel, and a projection on said blades extending upwardly beneath said shredding members and into close relationship with the bottom wall thereof and with the side wall of said chamber, whereby when the flywheel rotates said projections sweep through said spaces to prevent the entrapment of material between the projecting shredding members and the top of the flywheel.

2,482,125
WASTE DISPOSAL APPARATUS
James H. Powers, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application January 12, 1946, Serial No. 640,913
6 Claims. (Cl. 241—46)

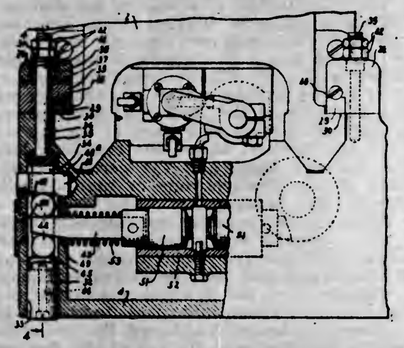
1. In apparatus for comminuting material, a flywheel, a chamber for attachment to a sink drain opening to receive a mixture of liquid and solids, and having walls surrounding the flywheel, means including an impeller blade on the flywheel projecting axially into the chamber for whirling the liquid and its entrained solids around the walls of the chamber to comminute the solids and produce a flowable mixture suitable for discharge to a drain line, passages between the flywheel and the adjacent walls of the chamber through which the mixture is flushed to a drain by flow of water from above said flywheel, and

passages extending radially interiorly of the body of said flywheel to afford communication between said chamber and said drain below said first



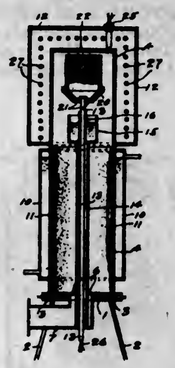
named passages for conducting the normal sink drainage when the flywheel is stationary, the entrance to said flywheel passages being radially inward of said first named passages.

2,482,126
MACHINE TOOL CLAMPING MECHANISM
Benjamin R. Purvin, Detroit, Mich., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois.
Original application September 3, 1938, Serial No. 228,312, now Patent No. 2,356,796, dated August 29, 1944. Divided and this application August 22, 1944, Serial No. 550,559
6 Claims. (Cl. 29—1)



1. In a machine tool, in combination, a base having a column with vertical parallel spaced ways, a slide reciprocable on the front of said ways, gib plates on said slide and confining said slide on said ways, taper gibs in said plates and engaging the rear of said ways, and a plurality of clamps for securing said slide in position of adjustment, each clamp comprising a reciprocable plunger in said slide having a longitudinal diametrical slot and having a clamping block adapted for coaction with the rear of the associated gib, a stop pin extending through said slot, a stop abutment in one end of said slot, a wedge bar extending transversely through said slot between said pin and abutment, antifriction rollers disposed against opposite sides of said bar and coacting with said pin and said abutment, spring means tending to retract said bar, and hydraulic means for actuating said bar against the action of said spring means to apply said clamping block.

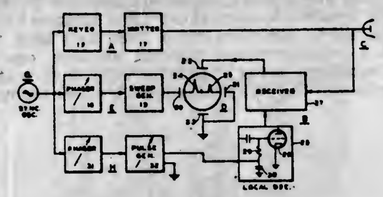
2,482,127
APPARATUS FOR REFINING METALS
Albert W. Schlechten, Corvallis, and William J. Kroll and Leland A. Yerkes, Albany, Oreg., assignors to the United States of America as represented by the Secretary of the Interior
Application August 7, 1946, Serial No. 688,869
3 Claims. (Cl. 266—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. Apparatus for recovering a substance from a reaction mixture contained in the vessel in which the reaction took place, said apparatus comprising: a base having an outlet therein adapted for connection to a vacuum pump, a housing closed at its top and sides and having an open bottom, said housing being supported by said base and having the interior space thereof communicating with said outlet, a gas-tight seal for the joint between said base and said housing, support means extending upwardly within the interior space within said housing and substantially axially thereof, a funnel-like member supported by said means, a reaction vessel containing said mixture and supported by said member, said vessel in said supported position having open outlet at a level below the level of the mixture therein, a container supported by said means to collect molten material flowing under gravity action from said mixture through said outlet and through said funnel-like member, and means external of said vessel for heating the mixture in said vessel to a temperature at which said material is molten.

2,482,128
RECEIVER PROTECTION CIRCUIT
Russell F. Schmid, Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application July 22, 1943, Serial No. 495,716
6 Claims. (Cl. 343—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. In a high frequency system, a high frequency transmitter, a receiver of the superheterodyne type responsive under normal operation to energy at substantially the operating frequency of said transmitter and susceptible to be adversely affected thereby, said receiver including a local oscillator and a mixer in which said oscillator produces an intermediate frequency, means for preventing the adverse effect upon said receiver during operation of said transmitter including means for producing a frequency other than said



intermediate frequency in said mixer while said transmitter is in operation.

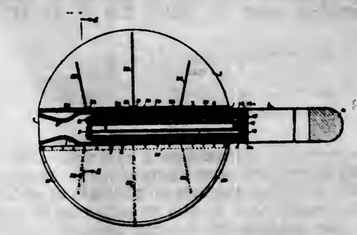
2,482,129
PROTECTING DEVICE FOR ELECTRICAL TERMINALS
Joseph Schneiderman, Chicago, Ill.
Application April 10, 1946, Serial No. 660,894
2 Claims. (Cl. 174—5)



1. A device for shielding disconnectible electrical terminals or the like extending from insulating coverings comprising a sleeve member having its aperture surrounding the covering of one terminal and including means for securing said member to the covering, said member being provided with a peripheral flange adjacent one end thereof, a second sleeve member disposed in terminal-shielding position when the terminals are interconnected, both said members being of electrically-insulating material, said flange and the aperture of said sleeve member having rotarily interengageable means for temporary separation of said members to expose the terminals and for temporary union thereof to enclose the terminals, and said second member including an element secured thereto and adapted to overlie said flange to prevent separation of said second member from said first member in one direction but to allow said separation in the opposite direction.

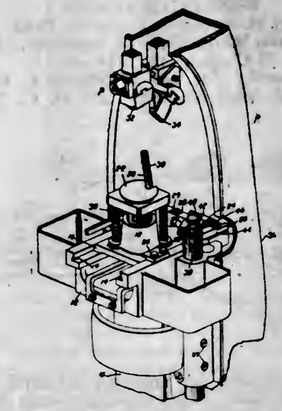
2,482,130
FLYING TARGET UNIT
Leslie A. Skinner, United States Army, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application May 18, 1942, Serial No. 443,410
1 Claim. (Cl. 273—105.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a mobile target of the type comprising a rocket and wing members, the improvement comprising a hollow wing member of substantially triangular cross-section transversely of the rocket axis, a bi-lanceolate member of channel section fixedly nested in the base of the wing member to provide aerofoil sections parallel to the rocket axis, a tube surrounding the rocket and having outwardly struck portions, pairs of perforations in the bi-lanceolate member each defining a



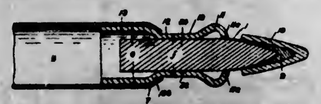
central web portion and each of said struck portions on the tube being received in one of the pairs of perforations and engaging the said web, the perimeter of said wing being semi-circular with its diameter coinciding substantially with the rocket axis.

2,482,131
LOCK FOR WORK SUPPORTS OF FASTENING-INSERTING MACHINES
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 23, 1945, Serial No. 606,533
8 Claims. (Cl. 1—32)



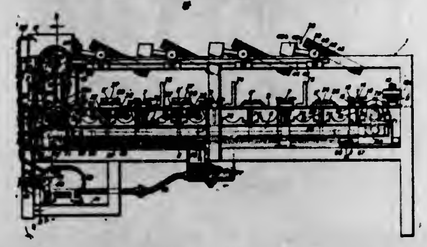
1. In a heel-attaching machine, a frame, a shoe-support movable in the frame between work-receiving and fastening-inserting positions, a lock movable to and from an active position in which it secures the support against movement in said fastening-inserting position, a reciprocative clamp having tread and rear abutments movable in one direction and cooperating with the support to force a heel against the heel-seat portion of a shoe mounted upon said support locked in fastening-inserting position, and mechanism responsive to movement of the clamp in an opposite direction for moving the lock away from its active position to permit the support to be moved to its work-receiving position.

2,482,132
CARTRIDGE
René R. Studler, Washington, D. C., Samuel Feltman, Arlington, Va., and Charles E. Balciun, Philadelphia, Pa.
Application March 10, 1943, Serial No. 478,660
1 Claim. (Cl. 102—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a cartridge comprising a cartridge shell and a projectile of the type having a core and a deformable jacket, a portion of which is of enlarged diameter receivable in the breech end of a gun barrel, the said barrel having an initial section adapted to reduce the said enlarged jacket to the calibre diameter at the muzzle end of the barrel, the combination of a dual-sectioned jacket having a main section and a shorter forward section at the projectile nose, the said main jacket being bellied out near its forward end to form an annular rib of enlarged diameter, and provided with a skirt of substantially the said enlarged diameter of the annular rib, a portion of which extends beyond the rear end of the said core the said annular rib and the said skirt being separated by a reduced waist portion in contact with the core, the said cartridge shell being clipped to the annular flange provided at the juncture of the said waist and skirt portions of the jacket.

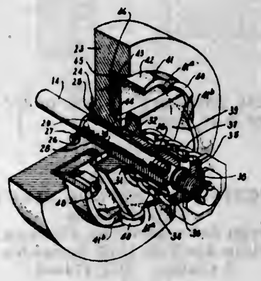
2,482,133
BONDING MACHINE
Bert M. Sweetser, Glendale, Calif.
Application March 23, 1948, Serial No. 16,602
32 Claims. (Cl. 154—1.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for applying inhibitor strips to powder grains, a solvent-containing tray, a support for a powder grain, and means for lifting the powder grain from the support and lowering it into the tray at a relatively high angle of approach to avoid splashing the solvent.

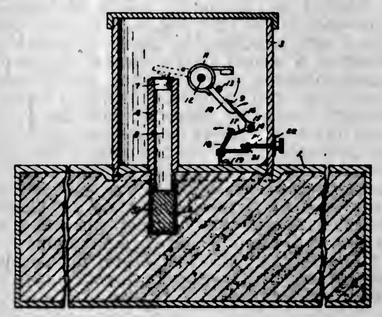
2,482,134
FRICTION FLYWHEEL DAMPENER FOR SERVOS
William F. Tice, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 28, 1945, Serial No. 607,527
5 Claims. (Cl. 74—574)

1. The combination of a power driven rotary element, a flywheel mounted to turn about the axis of said element, two friction clutches of different diameters coupling said element and flywheel together and disposed with their axes coinciding with said flywheel axis, relatively rotatable cam and follower members adapted to shift axially relative to each other upon relative turning in either direction away from and back toward a predetermined angular position, one of said members being rotatable with said rotary element and the other with said flywheel through



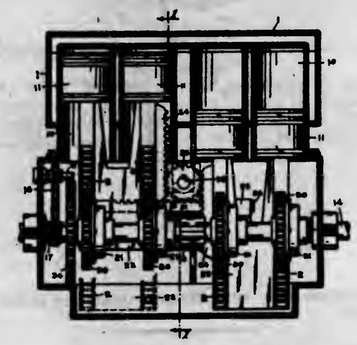
said larger clutch, a compression spring encircling said flywheel axis, means for transmitting the force of said spring directly to the smaller of said clutches and to the larger clutch through said cam and follower whereby the force of the spring is increased in response to slipping of the smaller clutch, and means positively limiting the extent of relative turning of the cam and follower in either direction.

2,482,135
FUSE
Charles B. Winkle, Salt Lake City, Utah
Application February 13, 1945, Serial No. 577,716
6 Claims. (Cl. 102—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



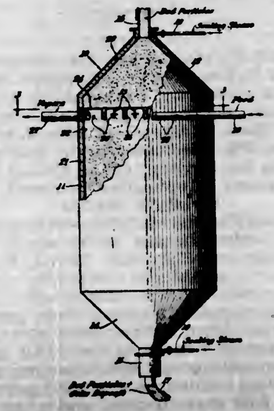
1. A fuze comprising an explosive charge detonating means movable in a path to detonate said charge, a pivoted detent having one portion normally interposed in said path to prevent detonating movement of said detonating means, said detent having a second portion, a bimetallic element engaging said second portion to restrain pivotal movement of said detent means and movable under change of temperature to release the same, a support for said element said support being adjustable to vary the extent of movement of said element necessary to release said detent.

2,482,136
ENGINE
William N. Wright, Seattle, Wash.
Application May 12, 1945, Serial No. 593,383
11 Claims. (Cl. 74—131)



1. In an engine having a plurality of pistons reciprocable in cylinders arranged in a row with their axes parallel, a plurality of connecting members secured, respectively, to the engine pistons, a power shaft, a plurality of rotative members carried thereby and engaged, respectively, with said connecting members, a plurality of overrunning clutches interposed between said power shaft and said rotative members, respectively, operable to effect rotation of said power in one direction, and a plate disposed substan- shaft by rotation of said rotative members only tially parallel to said power shaft and interconnecting two of said connecting members disposed in adjacent relationship to reciprocate in unison.

2,482,137
PROCESS AND APPARATUS FOR CONVERTING HYDROCARBONS
August Henry Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application February 13, 1945, Serial No. 577,707
12 Claims. (Cl. 196—55)



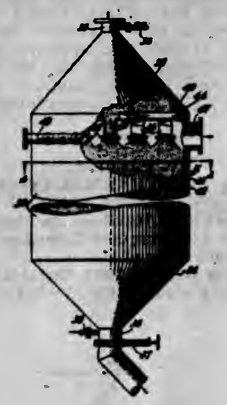
1. In a process for conversion of liquid hydrocarbon in the presence of a substantially compact column of moving particle-form solid contact material moving through an upright conversion zone, the method for introduction of contact material and liquid hydrocarbon charge to said conversion zone which comprises: introducing particle-form solid contact material into the upper section of said conversion zone in a plurality of confined streams of downwardly moving particles delivering onto the surface of said column as a series of flowing piles assuming approximately the angle of repose, and applying a stream of liquid hydrocarbon charge to the discrete bed particles of each stream laterally between the streams and while in their movement as flowing piles.

2,482,138
REACTOR FOR THERMAL CONVERSION OF HYDROCARBONS
August H. Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 24, 1947, Serial No. 756,643
2 Claims. (Cl. 23—284)



1. A reactor for thermal contact conversion of liquid hydrocarbons, comprising a casing defining a vertical reaction chamber having inlet and outlet means at the upper and lower portions thereof respectively to feed by gravity a continuous granular mass of contact material downwardly through said chamber; a partition baffle extending across the reaction chamber at an upper level therein and having elongated openings therein for dividing the downwardly moving contact material into a series of paths, each of said openings having a correspondingly shaped discharge chute depending therefrom below the baffle; a removable delivery conduit assembly including a plurality of pipe-like conduits passing through glands in the wall of the casing and extending across the reaction chamber beneath the respective discharge chutes, said pipe-like conduits having distributed discharge openings arranged to spread a liquid hydrocarbon charge over the cross-sectional area of the chamber; supporting means carried by the end portions of said chutes and having openings slidably receiving and retaining said pipe-like conduits; and vapor outlet means connected with the reaction chamber below the baffle.

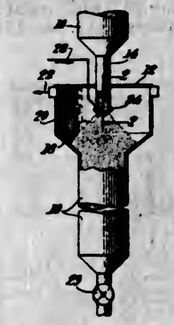
2,482,139
HYDROCARBON CONVERSION
August H. Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 28, 1948, Serial No. 29,751
2 Claims. (Cl. 196—52)



1. A process for conversion of a charge of high boiling liquid hydrocarbons which comprises passing a compact column of particle form contact material vertically downward through an elongated conversion zone, introducing said contact material at a suitable conversion supporting temperature into the upper end of said conversion zone as a plurality of confined streams of appreciably less cross-sectional area than said compact column to form upon release a series of flowing piles of contact material extending to the upper end of said column and defining a vapor collection space, withdrawing contact material from the lower section of said zone at a controlled rate to maintain the compact column of contact material within said conversion zone, injecting streams of heavy liquid hydrocarbon charge into opposite sides of each flowing pile of contact material in the upper portion thereof, said injected streams being completely confined by said contact material, and withdrawing vaporous hydrocarbon products through the flowing piles and out of the vapor collecting space.

2,482,140
METHOD FOR HYDROCARBON CONVERSION
August Henry Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Original application May 28, 1948, Serial No. 29,751. Divided and this application June 21, 1949, Serial No. 100,417
3 Claims. (Cl. 196—52)

1. In a process for conversion of a charge of high boiling liquid hydrocarbons in the presence of a substantially compact column of moving particle form solid contact mass material moving through an elongated conversion zone, the method for introduction of contact material and liquid hydrocarbon charge into said conversion zone which comprises: introducing particle form solid contact material into the upper end of said conversion zone in a confined, substantially compact stream of downwardly moving particles, said stream delivering said contact material to said column which is of substantially greater horizontal cross-sectional area than said stream, and injecting a stream of high boiling liquid hydrocarbon charge into said stream near the lower end thereof.



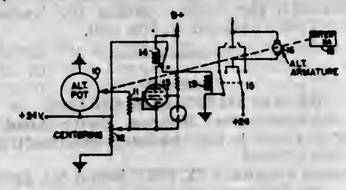
2,482,141
HEAVY GRAVITY LIQUID SEPARATION OF COTTON SEED
Charlotte H. Boatner, Catherine M. Hall, and Arthur L. Merrifield, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 7, 1946, Serial No. 675,118
5 Claims. (Cl. 241—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of separating the pigment from a cottonseed product containing substantially intact pigment glands embedded in the seed embryo tissue comprising treating the product to disintegrate the embryo tissue and release the intact pigment glands, mixing the product with a liquid which does not substantially rupture the pigment glands and which has a density greater than that of the pigment glands to be separated and less than that of the remaining parts, said liquid being a mixture of carbon tetrachloride and an oil selected from the class consisting of fatty acid triglycerides and mineral oils, settling the mixture to float the pigment glands and to settle the remaining parts, and removing the pigment glands.

2,482,142
STRUCTURAL MATERIAL OF COMPRESSED RESIN IMPREGNATED PAPER SHEETS
Gardner H. Chidester, Parker K. Baird, George E. Mackin, Forrest A. Simmonds, Clarence O. Seborg, Mark W. Bray, and John N. McGovern, Madison, Wis.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application October 2, 1943, Serial No. 504,780
6 Claims. (Cl. 154—45.9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A structural material comprising compressed synthetic resin-bonded laminated sheets of paper; each sheet being made from pulp having a freeness of 750 to 860 cc.; each sheet of paper having a porosity index of about 3.2 to 75 seconds, an anisotropy of grain providing a ratio of at least 2.0 to 1 in tensile strength, and a density of 0.60 to 0.80 gram per cc., and a thickness of not more than about 4 mils; said sheets having a distribution of a solid, strengthening synthetic resin in their porous structure which bonds them together; said structural material having a tensile strength of at least 25,000 lbs. per square inch and a modulus of elasticity in tension of over 2,000,000 pounds per square inch and having a density of not less than about 1.33.

2,482,143
CONTROL CIRCUIT FOR ANTENNA SCAN SYSTEMS
Bob E. Watt, Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy
Application August 9, 1944, Serial No. 548,679½
9 Claims. (Cl. 318—282)



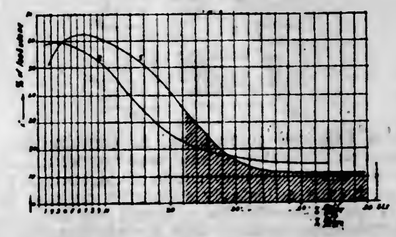
7. Apparatus for causing the armature of a motor to change periodically in direction of rotation, comprising a first potentiometer driven by said armature, a second potentiometer, a third potentiometer connected between the variable taps of said first and second potentiometers, means for applying a constant voltage to said first potentiometer, means for applying a constant voltage to said second potentiometer, thereby providing at the variable tap of said third potentiometer a linearly varying voltage, rising or falling in accordance with the direction of rotation of said armature, an electron tube having at least a grid, cathode, and plate, said linearly varying voltage being applied between said grid and cathode, a relay disposed in circuit with the plate of said tube and being actuated upon the attainment of a predetermined level of potential between said grid and cathode of said tube, and a reversing switch operative in response to said relay actuation so as to change the direction of current through said armature of said motor, thereby causing the reversal in direction of rotation thereof with a corresponding reversal in the variation of said linearly varying voltage, said relay being further adapted to be deactuated when said voltage reaches a second predetermined level, said reversing switch thereby returning to its original position, said third potentiometer providing means for varying the rate at which the direction of rotation of said armature periodically changes, said second potentiometer providing means for causing the armature of a motor to rotate in one direction only, thereby enabling selection of the center position of rotation of said armature.

2,482,144
SLOTTED SPECTACLE FRAME
Samuel Allen, New York, N. Y.
Application April 26, 1947, Serial No. 744,074
1 Claim. (Cl. 88—47)

An ophthalmic mounting comprising lens-receiving rims connected by a bridge, said rims having upper and lower portions connected by inner and outer side portions, each rim being formed with a groove extending along inner sides of its lower portion and its end portions, the upper portions of said rims being formed with longitudinally extending slots having their ends communicating with ends of the grooves, upper portions of the slots being widened with respect to the grooves and forming channels having lower portions forming shoulders extending along and projecting laterally from sides of the slots, lenses fitted into said rims through the slots and having marginal edge portions seated in the grooves and their upper portions engaged in the slots, retainer bars extending longitudinally of the upper portions of the rims and pivotally mounted for vertical swinging movement from a raised position allowing insertion of the lenses to a lowered position in which they fit into the channels with their lower bars resting upon the shoulders and bearing against upper edges of the lenses to hold the lenses against upward movement in the rims, and springs urging the retainer bars downwardly into the channels and holding the bars in pressing engagement with the lenses.



2,482,145
METHOD FOR ISOMERIZATION
Jacques Alfred Olivier Antheaume, Saint-Gaudens, France, assignor to Compagnie Francaise de Raffinage, Paris, France
Application July 12, 1946, Serial No. 683,050
In France July 17, 1945
5 Claims. (Cl. 260—683.5)



1. A method for isomerizing normal butane which comprises carrying out the isomerization reaction in the presence of a catalyst consisting of a binary mixture of aluminum chloride and an alkali metal chloride containing at least 90% by weight of aluminum chloride.

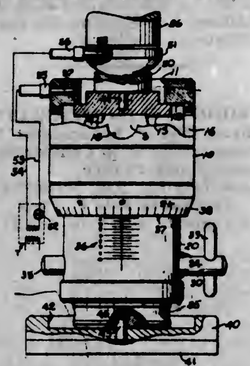
2,482,146
BATTER DISPENSING CART FOR BAKING APPARATUS
Ally Baker, Chicago, Ill.
Application May 22, 1945, Serial No. 595,201
2 Claims. (Cl. 107—66)



2. A movable batter cart for baking apparatus, said cart comprising, a flat reservoir, wheels supporting said cart for movement relative to a fixed apparatus part, batter wells of predetermined internal capacity mounted at the under-side of

said reservoir and communicating therewith, means providing a valve port at the lower end and a valve port at the upper end of each well, a movable valve in each well alternatively closing the corresponding upper and lower valve ports, and manually-operated means extending through said reservoir and operatively connected with said movable valves, said valves being operative to meter a predetermined quantity of batter through the respective wells upon operation of said manually-operated means and said manually operated means including separately operated assemblies connected respectively to different groups of said valves for selectively operating such valve groups.

2,482,147
TESTING APPARATUS FOR ELASTOMERIC MATERIAL
Homer H. Beahore, Chicago, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois
Application May 6, 1946, Serial No. 667,561
4 Claims. (Cl. 73—94)



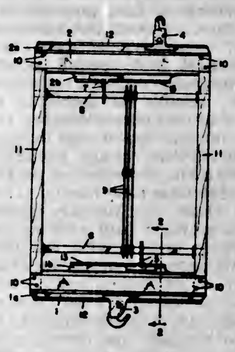
1. A test cell comprising, in combination, a base, a platen seated on said base providing a surface for supporting a specimen of elastomeric material, means adjustably supported on said base and engageable with the specimen for compressing the same against said platen, said platen being accessible from the exterior of the base for application of a counter force effective to balance the force exerted thereon by the specimen while under compression and thereby unseat the platen from the base, and means responsive to the unseating of said platen for operating a signal indicating that said forces are in balance.

2,482,148
ELECTRODYNAMIC TELEPHONE HANDSET
Carl Beckman, Montclair, and Irving Zambakian, Bloomfield, N. J.
Application September 10, 1945, Serial No. 615,258
2 Claims. (Cl. 179—115.5)



1. In a telephone system including a pair of telephone units, each comprising a tubular hollow-casing and sound chambers in open communication therewith, a combined speaking and sound-transmitting unit in one of the sound chambers of each telephone unit, the said combined speaking and sound-transmitting unit comprising a flat diaphragm, a wire coil fixed to the diaphragm, permanent magnetic members in the chamber juxtaposed relative to the wire coil so as to set up an intense magnetic field in which the wire coil may vibrate responsively to vibrations of the diaphragm for inducing a current in the coil, a pair of binding posts diametrically oppositely mounted in the casing of the said sound chamber, oppositely extending conductors from the wire coil to the casing attached to the binding posts, and leads passing from the binding posts through the hollow casing for transmission of current induced in the coil.

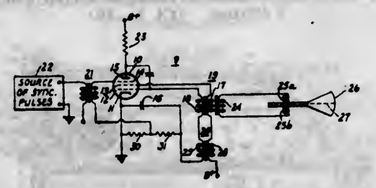
2,482,149
HEALD SHAFT FOR LOOMS
Albert Blickenstorfer, Horgen, Switzerland, assignor to Grob & Co., Aktiengesellschaft, Horgen, Switzerland
Application February 15, 1946, Serial No. 647,718
In Switzerland April 10, 1945
2 Claims. (Cl. 139—92)



1. In a heald shaft for looms having two stationary rails connected by side supports and movable members thereon, each of said rails comprising a flattened tubular section of light low strength metal, a top and bottom web formed on each said rail, reinforcing means secured on the free ends of each said web, said reinforcing means being of a higher strength material than said rails, said reinforcing means providing running tracks for said movable members whereby a light weight, durable heald shaft is obtained.

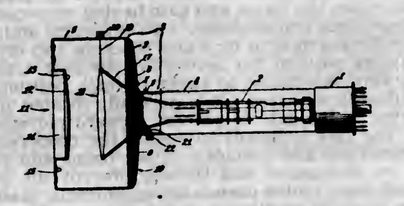
2,482,150
SAWTOOTH CURRENT LINEARIZING SYSTEM
Carlo V. Bocciarelli, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 2, 1948, Serial No. 30,573
6 Claims. (Cl. 315—27)

1. In a deflecting circuit for a cathode-ray tube having magnetic deflecting coils and a first source of non-linear sawtooth current for energizing said deflecting coils; a second source of current, the phase and waveform of said second current being such that said second current is decreasing in magnitude during at least a portion of the time said first current is increasing in magnitude; an inductor having a core of high-permeability material and having first and second windings of predetermined turns ratio; means for passing said first sawtooth current through said first winding; means for passing said second current through said second winding in such direction that the magnetizing force resulting from said second cur-



rent opposes the magnetizing force resulting from said first current, the phase of said first and second currents and the turns ratio of said first and second windings being such that the net magnetizing force reverses polarity during the time said sawtooth current is increasing in magnitude.

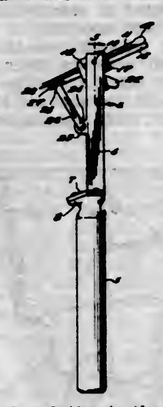
2,482,151
CATHODE-RAY PROJECTION TUBE
Homer G. Boyle, Dobbs Ferry, N. Y., assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y., a corporation of Delaware
Application August 18, 1944, Serial No. 550,077
12 Claims. (Cl. 250—164)



1. A cathode ray projection tube comprising an electron gun, a bulbous envelope portion, a fluorescent screen, a spherical mirror and a corrector plate for spherical aberration, said corrector plate surrounding said screen and forming part of the front wall of said portion.

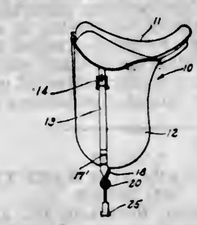
2,482,152
SAFETY RAZOR
Harry B. Carter, Palestine, Tex.
Application August 22, 1945, Serial No. 611,951
1 Claim. (Cl. 30—57)

A safety razor comprising a handle having laterally spaced end arms, a rectangular blade between said arms with a longitudinal cutting edge and end pins journaled in said arms whereby said blade is tiltable into different angular positions relative to said handle, a plate-like guard backing said blade with a front guard edge, said guard being tiltable to tilt said blade, a bar-like guard holder backing the guard, said holder having right angled ends straddling said blade and guard and slotted with said pins extending through the slots whereby said holder is slidable forwardly and rearwardly of said guard and swingable on said pins to tilt the guard, a brace pivotally connected to said arms and to said guard to cause tilting of the guard upon sliding of said holder, a headed stud slidably extended through said holder for clamping said guard to the holder in different positions into which the holder is slid and the guard tilted, said guard having a transverse slot therein through which the headed end of the bolt extends whereby the



holder is slidable relative to the guard, and a nut on the other end of said stud for tightening said stud to clamp the guard to the holder.

2,482,153
SADDLE STIRRUP HOLDER
Neal Cavin, Tulsa, Okla.
Application May 16, 1947, Serial No. 748,445
6 Claims. (Cl. 54—46)

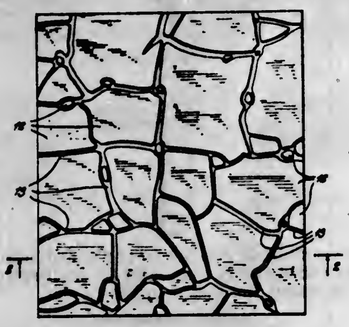


1. In a saddle having a depending leather and a stirrup, a relatively stiff vertically elongated strip having a portion lying along and secured to the leather and another portion extending parallel to said one portion and extending upwardly along said leather from the lower end of said one portion, said one portion being permanently twisted to position said other portion at right angles to the saddle leather, said strip being sufficiently rigid to maintain such position, said strip being formed at the juncture of said portions with a loop supportably embracing a portion of the stirrup whereby the stirrup is positioned at right angles to the saddle leather.

2,482,154
EMBOSSING OF COMPOSITION SURFACED COVERINGS
Ralph W. Charlton, Verona, N. J., and Frank X. Rovito, Brooklyn, N. Y., assignors to Congoleum-Nairn Inc., a corporation of New York
Application April 15, 1947, Serial No. 741,592
10 Claims. (Cl. 117—45)

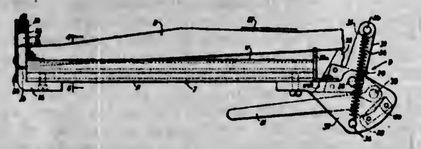
1. In the manufacture of a covering of the character described wherein the surface layer of the covering is formed from composition material comprising about 30% to about 65% by weight of a pitch-base binder having a softening point of the order of 95° F. to 150° F. and about

35% to 70% by weight of finely-divided solid substantially water-insoluble filler material, the production of alligator embossing in the surface of said surface layer of composition material by the steps comprising applying to the surface of said composition material constituting the surface layer of said covering prior to substantial seasoning of said layer a coating which weighs about 0.005 pound to about 0.015 pound per square yard and which consists essentially of a



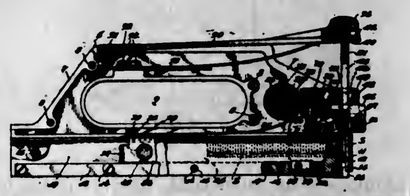
vegetable wax the softening point of which is of the order of 150° F. to 185° F. and the penetration of which at 77° F. is of the order of 8 to 15 hundredths of a centimeter and subjecting said surface layer of composition material with said coating applied thereto to stoving at a temperature above about 130° F. and below the softening point of the wax for at least one hour until the surface of said surface layer of composition material develops alligator embossing therein.

2,482,155
LOADING CLAMP FOR WARP TYING MACHINES
Charles B. Crandall, Rockford, Ill., assignor to Barber-Coleman Company, Rockford, Ill., a corporation of Illinois
Application November 9, 1945, Serial No. 627,707
18 Claims. (Cl. 24—264)



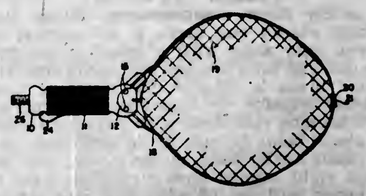
1. A warp clamp comprising fixed and movable clamping bars between which a warp is to be clamped, means connecting said bars at one end for relative swinging movement and adapted to permit the movable bar to yield with respect to the fixed bar according to the thickness of the warp, and means disengageably connecting the other ends of the two bars with the warp clamped therebetween, comprising a member pivotally supported with respect to the fixed bar and having a part engageable with the movable bar, spring means acting to hold said member in disengaged relation to the movable par, and a locking device for holding the member in various positions of adjustment with said part in holding relation to the movable bar.

2,482,156
STAPLE DRIVING MACHINE
George A. Creaby, Park Ridge, and Arvid I. Ericson, Chicago, Ill., assignors to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application November 2, 1945, Serial No. 626,267
3 Claims. (Cl. 1—49)



1. In a stapler, the combination with a frame for resting against an object into which staples are to be driven, a magazine in the frame for holding a plurality of staples side by side and havign a staple ejection opening at one end, means for moving staples in the magazine toward the staple ejection opening thereof, and a staple driver pivotally carried by the frame for engaging staples after ejectment from the magazine, of a gate pivoted to the frame and movable to a position for blocking the path of ejectment of staples from the magazine to one staple at a time and for guiding the staple driver against the ejected staple and also movable to a position where the magazine is open for the insertion of staples thereinto, the frame and gate having cooperating projections and shoulders for supporting and retaining the gate in its staple blocking and driver guiding position but permitting the gate after a forward movement to swing to open position, a manually actuated latch normally located in a notch in the gate to prevent forward movement of the gate sufficient to enable the cooperating projections and shoulders of the frame and gate to be disengaged and thereby prevent the gate from being swung open, a spring normally biasing the latch to position to prevent forward movement of the gate, and a release lever by which the operator may withdraw the latch from the notch in the gate and thereby permit the gate to be moved forwardly to disengage said projections and shoulders so that the gate may be swung to open position.

2,482,157
CLOSABLE MOUTH LANDING NET
André Crot, Topanga, Calif.
Application August 10, 1946, Serial No. 689,736
3 Claims. (Cl. 43—12)



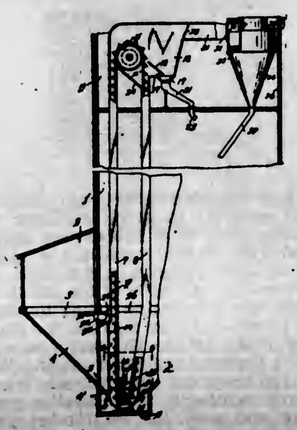
1. A fish landing net frame of the type described comprising a handle, a pair of intermeshing gearlike segments separately pivoted at one end of said handle, springlike blade members carried by said segments and so positioned as to extend approximately parallel to each other when the segments are at one extreme of their pivotal motions, a lever associated with one of said segments and adapted when drawn toward said handle to rotate both segments in directions to spread said blades apart to form an opening, and means linking the free ends of said blades together whereby the springlike resiliency of said blades is adapted to close the opening therebetween upon release of hand pressure on said lever.

2,482,158
DIRECTIVE ANTENNA SYSTEM
Cassius C. Cutler, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1945, Serial No. 606,426
3 Claims. (Cl. 250—33.65)



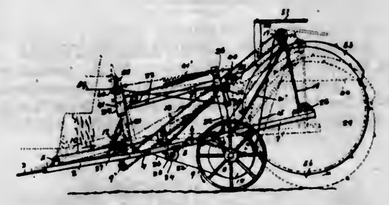
2. In combination, a paraboliform main reflector having a focal circle, a circular dielectric guide extending through the vertex of said reflector and having an end circular aperture, a drum reflector comprising a cylindrical wall and a circular disk reflector attached to said wall and facing said aperture, the diameter of said focal circle being intermediate to the diameters of said drum reflector and said aperture.

2,482,159
GRAIN ELEVATOR
Louis Delivuk, Spokane, Wash.
Application February 20, 1946, Serial No. 649,053
1 Claim. (Cl. 209—147)



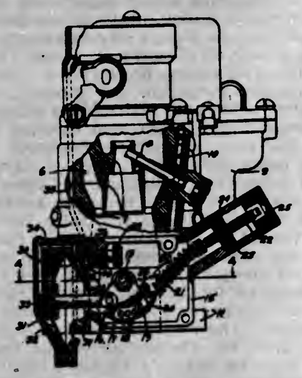
In a grain elevator having a grain pit at a side thereof, elevator legs extending vertically in the elevator, one leg being adjacent the pit, a U-shaped boot connecting lower ends of said legs and disposed adjacent the bottom of the grain pit, the grain pit being formed with an outlet opening at its bottom communicating with the lower end portion of the leg adjacent the pit through an opening in a side portion with said leg, a hollow head with which upper ends of the leg communicates a pulley rotatably mounted in said head between the legs, a bar extending between lower end portions of said legs, a pulley under the bar, hangers extending downwardly from the bar and rotatably mounting the second pulley between arms of the boot with a lower portion of the pulley extending into the boot through an opening in the boot, an endless conveyor belt extending upwardly through the leg adjacent the pit and downwardly through the other leg and about the pulleys and carrying buckets, said hangers being shiftable vertically through the bar to tension the conveyor belt, a suction fan having an inlet communicating with the upper portion of the pit and an outlet neck extending at an upward incline and communicating with the leg adjacent the pit, the portion of the said tube between the fan and the boot being of increased diameter, the bottom of the head being formed with an outlet, a spreader bar extending at a downward angle between the downwardly moving portion of the conveyor belt and the outlet of the head, and an air and dust outlet pipe leading from the upper portion of the head.

2,482,160
CHAFF AND STRAW RECEIVER AND COCKER
Andrew Lee Donogh, Brandon, Manitoba, Canada
Application March 17, 1948, Serial No. 15,423
3 Claims. (Cl. 214—65)



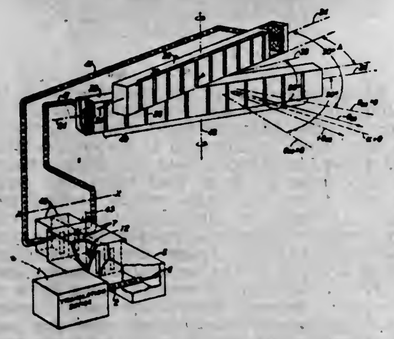
1. In an implement of the class described, the combination of front and rear frames pivoted together at their adjacent ends; a truck on which said rear frame is mounted to teeter; an open-sided drum journalled in said rear frame; means driven by said truck to feed chaff and straw into said drum; releasable means to keep said frames normally in alignment and hold said drum above the ground, a trip-arm pivotally supported by said front frame and normally extending laterally of the implement; means carried by said frames to normally lock them in alignment; springs dominating said locking means, and means intermediate said arm and said locking means whereby when said arm contacts a cock said locking means will be moved out of locking position and permit the loaded drum to drop and move said rear frame on said truck to move said frames out of alignment thereby storing energy in said springs, and a pair of cams carried by said drum adapted to co-act with said springs as said drum is rotated to restore the various parts of the implement to normal position.

2,482,161
GOVERNOR
Roger R. Dulong, Grosse Pointe Farms, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 17, 1944, Serial No. 545,344
10 Claims. (Cl. 137—153)



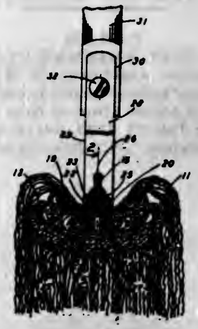
1. In a governor for an internal combustion engine, a governor valve responsive to pressure conditions in the engine intake conduit tending to close the valve as the engine speed increases, and means to counter-balance the effect of the intake pressure varyingly as the valve closes, comprising a lever movable with said valve, and a spring anchored at one end and pivotally connected to said lever at the other, said lever having a plurality of pivotal elements for selective connection to said spring to manually adjust the counter-balancing torque applied to said valve.

2,482,162
DIRECTIVE MICROWAVE ANTENNA
Carl B. H. Feldman, Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1943, Serial No. 489,740
4 Claims. (Cl. 250—33.63)



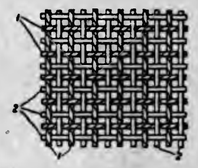
1. In combination, a pair of angularly related rectangular linear wave guides each having in one magnetic plane wall an antenna array comprising a plurality of spaced antenna apertures, a translation device, and means for alternately connecting said device to said guides at points adjacent the opposite guide ends, each array having a direction of maximum action angularly related to its respective guide wall.

2,482,163
DUAL-PURPOSE MOP HAVING STEEL AND FIBROUS PADS
Walter S. Finnell, Elkhart, Ind.
Application June 17, 1944, Serial No. 540,833
1 Claim. (Cl. 15—118)



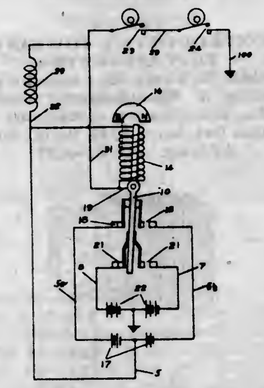
In a mop, a rectangular pad of steel wool, the strands of which lie across the shortest dimension of the pad, means for securing said strands together comprising a plurality of elongated welds spaced-apart and extending lengthwise of the greatest dimension of the pad, the welds being staggered relative to each other, a pair of spring-pressure plates, means for securing the longer edges of the pad between said plates and means for attaching a handle to said plates.

2,482,164
METHOD OF MAKING REINFORCED PLASTIC PRODUCTS
Donald Finlayson and Harry Crawshaw, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application November 25, 1943, Serial No. 511,719
In Great Britain November 19, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 19, 1962
5 Claims. (Cl. 154—136)



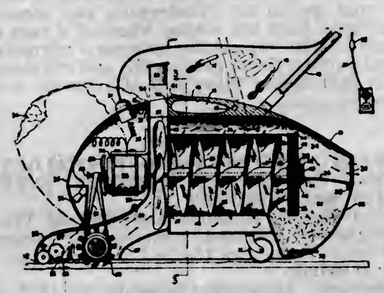
1. Method of making sheets and other articles of plastic material, in which a plastic which is substantially free from rubber-like elasticity is reinforced with textile yarns of the same order of elasticity as said plastic, said method comprising incorporating in a body of the plastic a fabric comprising the reinforcing yarns together with auxiliary yarns, and then forming the plastic into the shape of the article, the temperature conditions of the forming operation causing the auxiliary yarns to lose their strength, said fabric comprising both reinforcing and auxiliary yarns in both warp and weft, the reinforcing yarns not being interlaced with one another but depending for their retention in the fabric structure upon the auxiliary yarns.

2,482,165
SIGNAL GENERATOR
William R. Flatford, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 9, 1944, Serial No. 553,837
4 Claims. (Cl. 175—373)



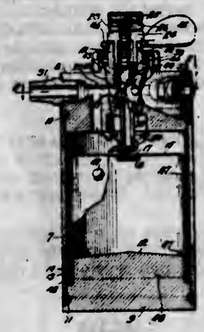
1. In a device of the type described the combination comprising a housing, a vibrator motor mounted in said housing, means actuated by said motor for converting a direct current into an alternating current, a signal output circuit connected to said last means, a pair of switches connected in series in said circuit, a second vibrator motor intermittently operated by said first motor, and driving means actuated by said second motor for closing one of said switches after a predetermined time interval, and for intermittently actuating the other of said switches.

2,482,166
STATIONARY FILTER TYPE SUCTION CLEANER
William I. Gage, Lakewood, Ohio
Application July 16, 1947, Serial No. 761,368
4 Claims. (Cl. 183—52)



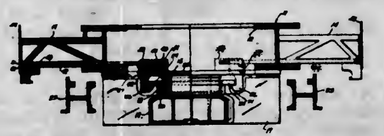
1. A suction cleaner of the bagless type comprising a housing, a motor mounted in the housing, a motor shaft extending longitudinally of the housing, a stationary cylindrical filter surrounding the motor shaft, a rotatable helical filter cleaning blade mounted on the motor shaft interiorly of said stationary filter, and means for driving said filter cleaning blade from said motor shaft.

2,482,167
INDUSTRIAL MANOSTAT
Roger Gilmont, New York, N. Y., assignor to The Emil Greiner Company, New York, N. Y., a corporation of New York
Application January 17, 1948, Serial No. 2,863
11 Claims. (Cl. 137—153)



1. A manostat of the character disclosed comprising a gas holder having a float chamber with a liquid seal at the bottom of the same and service, pressure and vacuum connections at the top of the same, an inverted gas bell floated in said liquid seal and provided with an orifice closure at the top of the same, an orifice tube extending downwardly into the float chamber and carrying an orifice opposed to said closure on the inverted gas bell and means for selectively effecting connection of said orifice tube with said connections at the top of the float chamber.

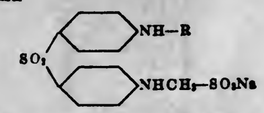
2,482,168
VEHICLE TRUCK AND BODY INTERLOCK
Fritz Paul Grutzner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application February 19, 1947, Serial No. 729,651
9 Claims. (Cl. 105—200)



7. In combination, a vehicle body bolster structure, a wheel truck structure pivotally connected to the bolster structure, one of said structures having a guideway therein, the other structure providing a flange extending adjacent said guideway, a member slidable in said guideway and projecting therefrom, in the direction of said flange, the projecting portion of the member terminating in a hook-end adapted for cooperation with said flange in an operative position of the member in said guideway, to prevent vertical separation of the truck and bolster structures, and means for releasably retaining said member in said operative position, said means including an element connected to the member and accessible from the exterior of one of said structures at one side thereof, effective upon operation of the element, to slide the member in said guideway to or from said operative position of the member.

2,482,169
ACYL DERIVATIVES OF DIAMINODIPHENYLSULFONE AND PREPARATION THEREOF
Richard S. Gubner, Brooklyn, N. Y., assignor to The Equitable Life Assurance Society of the United States, New York, N. Y., a corporation of New York
No Drawing. Application September 13, 1946, Serial No. 696,942
7 Claims. (Cl. 260—397.6)

1. The substantially water-soluble acyl derivatives of 4,4'-diamonodiphenylsulfone prepared for anti-tuberculosis administration which are of the formula



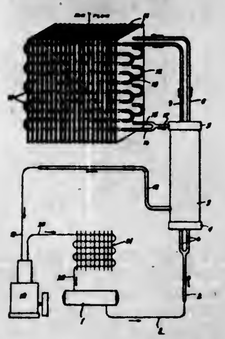
wherein R represents an acyl radical which is a member of the group consisting of capronyl, heptoyl, octanoyl, pelargonyl and decanoyl.

2,482,170
WINDOW SILL CONSTRUCTION
Foster Gunnison, New Albany, Ind., assignor to Gunnison Homes, Incorporated, a corporation of Delaware
Application July 2, 1946, Serial No. 680,974
6 Claims. (Cl. 189—75)



6. A window structure comprising a wall structure having an opening therein; a supporting member at the lower end of said opening having a substantially horizontal top and a substantially vertical side; a first metal sill member of generally stepped configuration comprising a substantially vertical wall bearing against said side of said supporting member, a substantially horizontal marginal portion connected to the top of said wall and bearing on the top of said supporting member, and a ledge portion projecting substantially horizontally from the bottom of said wall; a second metal sill member comprising a substantially horizontal portion bearing on the top of said supporting member, and an upwardly offset marginal portion spaced from and overlapping said substantially horizontal marginal portion of said first metal sill member; resilient heat insulating means sealing the space between said substantially horizontal marginal portion of said first metal sill member and said upwardly offset marginal portion of said second metal sill member; a metal window frame comprising a substantially horizontal portion bearing on said second sill member, and a substantially vertical portion extending downwardly in spaced overlapping relation to said substantially vertical wall of said first metal sill member; and means sealing the space between said substantially vertical portion of said first metal sill member and said window frame.

2,482,171
FLOW CONTROL DEVICE FOR REFRIGERATION APPARATUS
Ernest Gygax, St. Louis, Mo., assignor to General Engineering & Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application October 4, 1945, Serial No. 620,311
1 Claim. (Cl. 62—127)



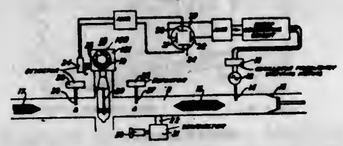
A refrigerant flow control attachment for refrigeration apparatus adapted to automatically control the flow of a refrigerant and a missible oil mixture comprising a sealed casing, a plurality of capillary coils disposed in said casing having inlets at one end and outlets at the other end thereof, said inlets being adapted to be connected to a refrigerant receiver, said outlets being adapted to be connected to separate evaporator coils, an inlet in the casing adjacent said coil outlets adapted to be connected to an evaporator outlet, an outlet in the casing adjacent said coil inlets adapted to be connected to the suction side of a compressor, said refrigerant gas outlet being disposed above a bottom level of said casing to provide a liquid trap, and means for withdrawing any accumulated liquid from the casing, whereby a heat exchange relationship obtains between a refrigerant and oil liquid mixture in said coils and refrigerant gas in said casing when said attachment is installed.

2,482,172
PROCESS FOR PREPARING PHTHALOCYANINES CONTAINING TERNARY SULFONIUM SALT GROUPS
Norman Hulton Haddock and Clifford Wood, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 18, 1947, Serial No. 786,790. In Great Britain November 22, 1946
5 Claims. (Cl. 260—314.5)

1. In process for the manufacture of water-soluble phthalocyanine derivatives containing ternary sulphonium salt groups, the steps which comprise hydrolysing in an aqueous solution of an alkali metal hydroxide, a compound of the formula R $(CH_2X)_n$, wherein R is the radical of a phthalocyanine compound formed by removing

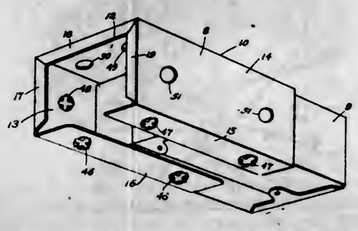
n atoms of hydrogen from the molecule, n is an interger greater than 1 and X is an isothiouronium salt group, and alkylating the resulting alkali metal mercaptide to give a compound of the formula R $(CH_2SAlk)_n$, wherein Alk is an alkyl group and R and n have the significance given above.

2,482,173
TEST CIRCUIT
Homer D. Hagstrum, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1944, Serial No. 562,514
4 Claims. (Cl. 175—183)



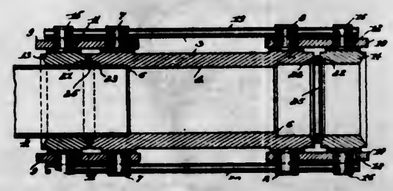
1. Apparatus for testing a cavity resonator comprising a source of electromagnetic energy of variable frequency, a transmission line several wavelengths in extent in the frequency range of said source for connecting said source to said resonator, a detector, a probe connected to the input of said detector, means for mounting said detector with the said probe extending into said cavity resonator, indicating means connected to the output of said detector, and a wavemeter tuned to a frequency in the range of variations of said source connected across said transmission line at a point thereof intermediate between said source and said cavity resonator through substantially zero length of connecting line.

2,482,174
SECTIONAL CABINET STRUCTURE
Elmer C. Hake, Covington, Ky., assignor to Snap-On Drawer Co., Morrow, Ohio, a corporation of Ohio
Application January 16, 1946, Serial No. 641,429
8 Claims. (Cl. 312—107)



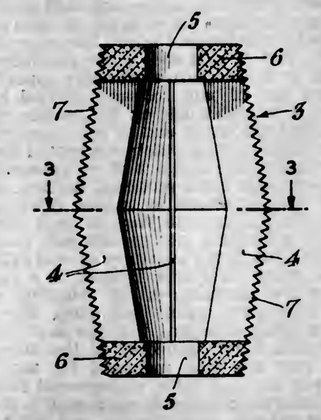
1. An elongated shell of sheet metal for accommodating a sliding drawer therein, said shell having top and side walls and a bottom comprising horizontal flanges extending inwardly toward the longitudinal center of the bottom but terminating short thereof to provide a space therebetween, one side wall having an aperture adjacent each end thereof and located about midway between the top and bottom edges thereof, the opposite side walls having a resilient protuberance projecting outwardly therefrom and adjacent each end thereof, said side wall protuberances being in alignment with the apertures in the first mentioned side wall, the top wall having an aperture adjacent each corner thereof and the flanges at the bottom having resilient protuberances projecting downwardly therefrom and in vertical alignment with the apertures in the top wall of said shell, the apertures in said top wall being adapted to receive the protuberances at the bottom of a shell when placed on top of the same, the apertures in one of said side walls being disposed to receive the protuberances of a shell mounted against said side wall and the protuberances on the opposite side wall being disposed to extend through the apertures in the side wall of a shell mounted against the same, whereby a plurality of vertical stacks of said drawer shells may be interlocked one to another and the shells in adjacent stacks may be interlocked with the abutting sides of shells in said plurality of stacks.

2,482,175
DETACHABLE PIPE COUPLING
Arthur S. Hamilton, Jr., Greece, N. Y.
Application July 27, 1945, Serial No. 607,372
5 Claims. (Cl. 285—171)



1. A quickly detachable pipe coupling comprising a central housing constructed to receive the ends of two pipe sections and removable therefrom, guide rods mounted on the housing exteriorly thereof on opposite sides, clamping sleeves movably supported on said guide rods at opposite ends thereof in spaced relation to the ends of the housing, compressible gripping elements removably located between the ends of the central housing and said clamping sleeves, and independent operating instrumentalities supported on the central housing on opposite sides thereof and operatively engageable with the clamping sleeves to move them to and from clamping position.

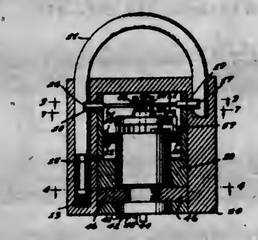
2,482,176
ELECTRODE CONNECTING PIN
Victor C. Hamister, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application April 3, 1948, Serial No. 18,732
1 Claim. (Cl. 13—18)



A threaded carbonaceous electrode connecting member having the shape of bisymmetrical trun-

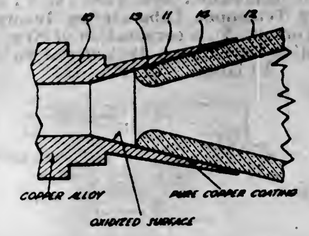
cated cones joined at their bases for uniting the abutting ends of tapped carbonaceous electrodes, said member being of hollow construction and having a plurality of longitudinal slots, each intermediate both the ends thereof and extending through the walls of said member, said slots being so disposed within said walls as to provide an annular collar at each end of said member.

2,482,177
PADLOCK
Lawrence E. Harbison, Globe, Ariz.
Application August 12, 1947, Serial No. 768,231
3 Claims. (Cl. 70—38)



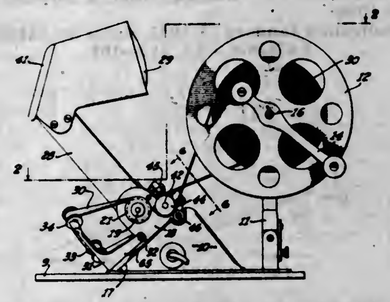
1. In a padlock, a housing, a shackle projecting from one end face of said housing and mounted for inward and outward movement longitudinally in the latter, a rotatable cylindrical rod arranged longitudinally within said housing and having an end projecting out of the other end face of said housing, said rod having an enlarged cylindrical portion intermediate its ends and a portion of non-circular cross-section at one end of the enlarged portion, the non-circular cross-sectional portion having one end abutting the adjacent end of said enlarged portion and being spaced from the end of the rod opposite the projecting end of the latter, a plurality of rotatable cylinders concentrically arranged in nested relation about the enlarged cylindrical portion of said rod, each of said cylinders being provided with a depending protrusion on the end adjacent the projecting end of said rod, the respective protrusions projecting out of the said other end face of said housing, there being an aperture in each of said cylinders in the end face opposite the projecting end of said rod, a bar straddling the end faces of the respective cylinders opposite the projecting end of said rod and carried by the cylinders, a rotatable disc on the portion of said rod adjacent the other end of said non-circular cross-sectional portion which is mounted for slidable movement into and out of engagement with said non-circular cross-sectional portion, a plurality of pins arranged in spaced relation and projecting from the end face of said disc adjacent the projecting end of said rod, said pins being receivable in the apertures of said cylinders when the latter have been rotated to a position such that the apertures in the cylinders are in registry therewith, means projecting from said bar and slidably extending through said disc, opposed aligned bolts connected to the other end face of said disc and mounted for movement transversely into and out of engagement with said shackle, and resilient means connected to the end of the rod opposite its projecting end and to said disc for urging the latter toward the non-circular cross-sectional portion of said rod.

2,482,178
COMPOSITE STRUCTURE FOR FORMING A SEAL WITH GLASS
Robert A. Harris, Oak Park, and Charles C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 29, 1944, Serial No. 524,504
3 Claims. (Cl. 29—195)



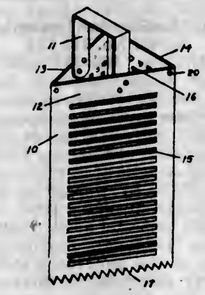
3. A composite structure for forming a seal with glass comprising a member composed of oxygen-free high conductivity copper and tellurium for rendering the same more readily machinable, and a barrier coating thereon of pure copper having an oxidized surface, said barrier coating being of such a thickness as to be effective to prevent migration of said tellurium to the oxidized surface thereof, thus providing an excellent surface for the fusing of glass thereto.

2,482,179
CONTINUOUS MOTION PHOTOGRAPHIC APPARATUS
William H. Harrison, Los Angeles, Calif.
Application August 9, 1946, Serial No. 689,594
6 Claims. (Cl. 88—16.8)



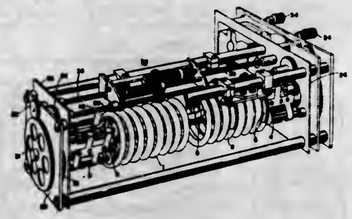
1. In motion picture apparatus of the class described which includes a film viewing aperture in the optical system thereof, the combination of: a pair of journally and coaxially mounted sprockets, one of which is adapted to feed film into a taut threading path which includes said viewing aperture and the other of which is adapted to feed film out of said path; direct driving connection between said sprockets whereby the same are adapted to rotate in unison and move said film through said path under continuously uniform tension; and idler pulley means included in said path adapted to shift the same laterally and permit said film to operatively engage both of said sprockets, said idler pulley means being movable and including means to urge the same in a direction to tauten the film in said path.

2,482,180
FOOD GRATING AND SHREDDING DEVICE
Reginald Heard, Milwaukee, Wis.
Application April 2, 1945, Serial No. 586,201
2 Claims. (Cl. 146—180)



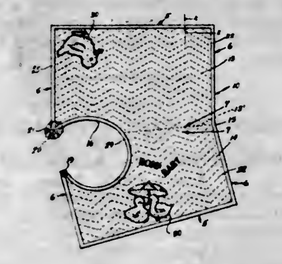
1. A utensil of the character described comprising an integrally formed triangular body having three flat faces, a handle disposed at the top said handle attached to two of said faces, a perforated plate removably disposed near the bottom within said body, the extreme lower edge of said body provided with a plurality of serrations or teeth, cutting members embossed outwardly from said flat faces, said cutting members being of various sizes and depths to permit a variety of sizes of particles in the grating of the food.

2,482,181
TUNING MECHANISM
Kenneth L. Henderson, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application January 7, 1947, Serial No. 720,525
7 Claims. (Cl. 171—242)



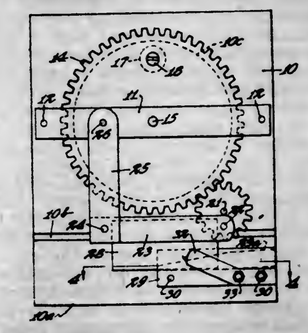
6. In a tuning mechanism, a helical coil, a first contact bearing assembly including a first contact member arranged for longitudinal movement with respect to said coil whereby said first contact member engages said coil, a second contact bearing assembly including a second contact member arranged for longitudinal movement with respect to said coil whereby said second contact member engages said coil along a path of movement which may result in physical engagement between said contact members and electrical or mechanical interference therebetween, means for individually imparting movement to said assemblies in order to enable adjustment of said assemblies with respect to said coil, and means for preventing engagement between said assemblies including stop mechanism operatively associated with each of said imparting means and positioned in accordance with the positions of the corresponding imparting means, said stop members being arranged to engage at predetermined positions of said contact members as said assemblies are moved toward each other whereby physical engagement between said assemblies or contact members is prevented.

2,482,182
PROTECTIVE GARMENT
Cecelia L. Henninger, St. Louis, Mo.
Application April 9, 1946, Serial No. 660,652
2 Claims. (Cl. 2—49)



1. A protective garment comprising a pair of pads arranged in side-by-side meeting relation with respect to each other and interconnected together by a line of jointure extending along a portion of their meeting sides, each of said pads being of multi-sided configuration and including a first longitudinally-extending side, a pair of opposed sides arranged transversely with respect to the first-named side, and a second longitudinally-extending side arranged in opposed relation with respect to the first longitudinally-extending side, one of the longitudinally-extending sides of one of said pads being positioned in meeting relation with one of the longitudinally-extending sides of the other of said pads, there being a semi-circular shaped cut-out in each of the meeting longitudinally-extending sides adjacent the end remote from the line of jointure, said cut-outs facing each other and forming a neck opening therebetween, and interengaging means on said pads adjacent the outer ends of said cut-outs for securing the pads together.

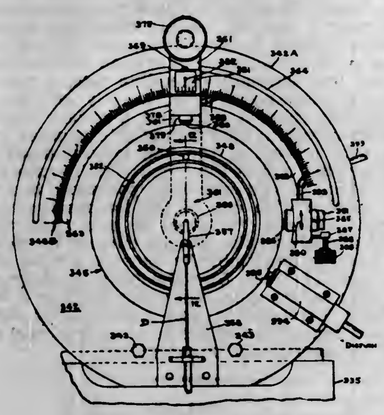
2,482,183
PENCIL SHARPENER
Louis P. Heiman, near Minneapolis, Minn.
Application September 14, 1945, Serial No. 616,199
3 Claims. (Cl. 120—94)



1. A pencil sharpener having in combination, a vertically extending frame, a gear journaled in

said frame, a handle for turning said gear, a pinion at one lower side of said gear meshing therewith, a pitman pin secured to said pinion and spaced from the axis of said pinion, a link mounted at one end on said pin, an upwardly extending link swingingly secured at its upper end to said frame, the other ends of said links being pivoted together, a blade secured to and in substantially parallel relation to said first mentioned link, a member secured to said frame below said gear and pinion having a socket therein, the axis of which is at an angle to the plane of said blade, said socket having a conical end portion open at one side, along which side said blade moves with a downward and longitudinal movement.

2,482,184
CHRONOGRAPHIC APPARATUS AND METHOD
Harry William Hoffman, Anoka, and Grover H. Helmer, St. Louis Park, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application May 26, 1945, Serial No. 596,014
5 Claims. (Cl. 181—15)



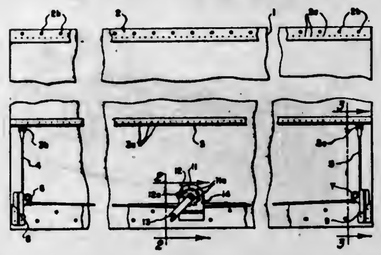
1. A timing apparatus for recording and indicating short time intervals comprising a record and indicating means including a circular member of magnetizable material and a quick responsive signal lamp both mounted for rotation in a circular path thereon, motor means for rotating the record and indicating means at a constant rate, a pair of electromagnetic elements movable relative to each other located adjacent the circular member in cooperative electromagnetic relationship, a pair of incoming signal carrying circuits, a pair of amplifier networks, one for each electromagnetic element and switch means responsive in one condition of operation to communicate incoming signals received on either incoming signal circuit to one of the electromagnetic elements to record on the magnetizable member signals received on either incoming signal circuit and responsive in another condition of operation to communicate signals generated by either electromagnetic element through its corresponding amplifier network to the quick responsive signal.

2,482,185
FLOOR COVERING AND COMPOSITION MATERIAL THEREFOR
Fred Hubert, Jr., Essex County, and Vernon A. Kildare, Bergen County, N. J., assignors to Congoleum-Nairn Inc., a corporation of New York
No Drawing. Application December 20, 1946, Serial No. 717,594
4 Claims. (Cl. 117—168)

1. A flexible smooth-surface floor covering comprising a flexible strain-resistant sheet-like base and a surface layer of composition material integrally united with said sheet-like base, said composition material containing from about 30% to about 65% by weight of binder and from about 35% to about 70% by weight of finely-divided substantially water-insoluble filler material and said composition material as disposed in said surface layer being the tough, flexible and wear-resistant product of the hardening induced by heat of an intimately commingled mixture consisting essentially of the following ingredients in the stated relative proportions in parts by weight:

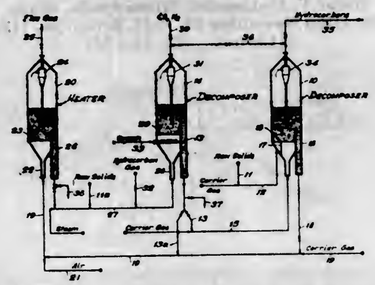
	Parts
Cottonseed pitch (softening point 95–150° F.)	28
Gilsonite	4–6
Sulphur	0.5–3
Drier for said pitch	0.5–2
Powdered limestone	20–50
Filler other than said powdered limestone	0–65

2,482,186
RUG STRETCHER
Glenn L. Huff, San Diego, Calif.
Application July 5, 1947, Serial No. 759,028
1 Claim. (Cl. 45—24)



In a rug stretcher of the class described, the combination of a stationary strap having a plurality of extending spikes, a movable bar laterally adjustable relatively to said strap having a plurality of extending spikes, said spikes on said strap and said bar arranged to penetrate the edge of a rug, cables in connection with said bar and means for retracting said cables laterally thereof, fairlead means having base portions and supporting said cables in spaced relationship to said bar, said retracting means including a drum and crank, ratchet means in connection with said drum and crank for holding said cable and said bar in certain position after retraction relatively to said strap, and brackets having two separate fairleads supporting bases angularly disposed to each other and intersecting and supporting said fairlead means on said angular base portions.

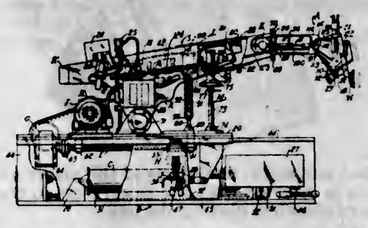
2,482,187
PROCESS FOR PRODUCING HYDROGEN-CARBON MONOXIDE GAS MIXTURES
Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 3, 1944, Serial No. 529,268
1 Claim. (Cl. 48—196)



The method of making gas mixtures consisting chiefly of hydrogen and carbon monoxide suitable for the synthesis of hydrocarbons in the presence of a synthesis catalyst which method comprises introducing finely divided carbonaceous solids into a combustion zone, heating a fluent mass of said finely divided carbonaceous solids to incandescence by passing a gas comprising oxygen upwardly therethrough at a velocity sufficient to maintain the solids as a suspended dense turbulent phase superimposed by a light dispersed solids phase in said combustion zone, separating solids from gaseous combustion products in the upper part of said combustion zone and removing said combustion products at the upper part of said zone, separately removing incandescent solids comprising carbon in dense phase fluidized condition at a point below the dense phase level in the combustion zone and introducing said removed solids into a decomposing zone, passing a conversion gas consisting essentially of oxygen, steam and methane upwardly in the decomposing zone at a rate sufficient to maintain a suspended dense turbulent solids phase therein superimposed by a dilute solids phase, maintaining said decomposing zone at a temperature upwards of 1500° F. whereby at least a portion of said carbon, methane, oxygen and steam react to form a hydrogen-carbon monoxide mixture for hydrocarbon synthesis, separating product gas from solids in the upper part of said decomposing zone and withdrawing the product gases from the upper part of said zone, separately withdrawing hot solids in dense phase fluidized condition from a point below the level of the dense phase in the decomposing zone and returning at least a part of the withdrawn hot solids to the dense solids phase in the combustion zone.

2,482,188
METHOD OF AND APPARATUS FOR CUTTING METAL
Homer W. Jones, Westfield, and James H. Bucknam, Cranford, N. J., assignors to Union Carbide and Carbon Corporation, a corporation of New York
Continuation of application Serial No. 288,366, August 4, 1939. This application July 28, 1944, Serial No. 547,024
42 Claims. (Cl. 148—9.6)

12. Method of cutting sections of bar stock which comprises heating at least a portion of said stock to ignition temperature; directing a jet of oxidizing gas from a nozzle against said heated portion of said stock to form a kerf therethrough; moving said jet completely across said stock and in a plane transverse thereto; and during such transverse movement varying the angle between the successive positions of the axis of said jet and the initial position of said axis at a variable rate by swinging said nozzle about a pivotal axis substantially parallel to the longitudinal axis of the stock and spaced from the nozzle tip a greater distance than the length of the cutting stroke while moving said pivotal axis in the direction of cutting, said angle variation being substantially greater during the first half of the cut and in such direction that the jet tends to sweep along the lower portion of the kerf at a faster rate than along the upper portion of the kerf.



2,482,189
SAFETY MATCH PACKET
Arne E. Konen and Sherman K. Warner, Hartford, Conn.
Application December 31, 1946, Serial No. 719,444
2 Claims. (Cl. 206—29)

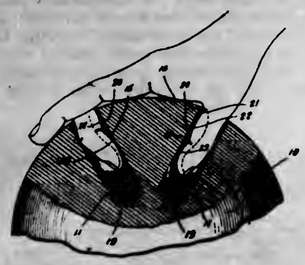


1. A match packet comprising a cover having spaced walls, a body of matches rotatably secured between said walls, hinged portions of said body extending entirely beyond said cover in the closed condition of said packet and bearing opposed striking surfaces capable of receiving therebetween a match head, said spaced walls engaging said hinged portions in the open condition of said packet to maintain said striking surfaces in engagement.

2,482,190
FINGER HOLE INSERT FOR BOWLING BALLS
Herman J. Kramer, Cleveland, Ohio, assignor of one-half to Eugene J. Reardon
Application February 19, 1945, Serial No. 578,571
16 Claims. (Cl. 273—63)

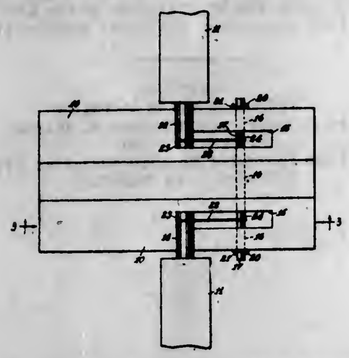
1. An elongated preformed insert for the finger hole of a bowling ball, said insert having a semi-cylindrical body portion with its outside surface adapted to fit the wall of the said finger hole and its inside surface provided with at least two adjacent curvilinearly concave portions arranged tandem and extending from one end of the in-

sert, the two innermost of the said adjacent concave portions conforming respectively to the surface contours of the inside halves of the



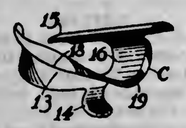
medial and distal phalanges of the player's finger which is inserted with the said insert in the said finger hole when playing the ball.

2,482,191
FIRE GRATE
Christian Lux, Sanish, N. Dak.
Application December 9, 1946, Serial No. 714,942
3 Claims. (Cl. 126—168)



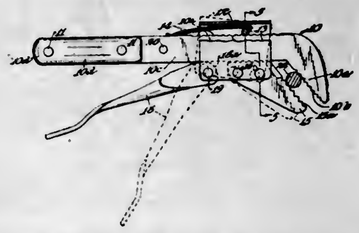
1. In combination with a grate, a support with a seat therein, a shaft extending from the grate to said seat, said support having therein a recess at right angles to the shaft, said support having also therein and in communication with the recess, a bore, a rod within said bore, and non-inflammable means connecting said shaft and said rod, said means disposed in said recess.

2,482,192
HAND SADDLE
Ray Arthur MacDonald, North Plainfield, N. J.
Application April 24, 1948, Serial No. 23,040
1 Claim. (Cl. 43—25)



A unitary device of the nature disclosed comprising a rigid shield-like portion curved in part to conform to a rod and in general curved to provide a seat in conformity with the curvature of the side of the index finger when grasping a rod; said shield-like portion having a rigid side rest for the tip of the finger, and having a bendable neck-like extension; said extension terminating in an elongated shoe for enabling the device to be clamped immovably to the rod.

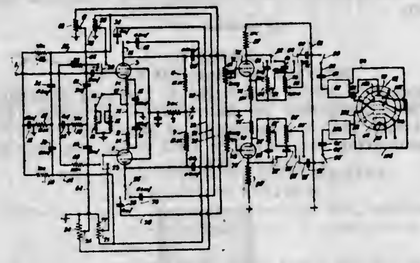
2,482,193
CAM OPERATED PLIERS
Oscar V. Malmquist, Minneapolis, Minn.
Application November 25, 1946, Serial No. 712,113
2 Claims. (Cl. 81—78)



1. A cam operated pliers having in combination, a member having a fixed jaw at one end, said jaw having a gripping face, a shank extending from said jaw and having a handle at the other end of said member, said jaw extending forwardly and said face being disposed at an obtuse angle to said shank, a slidable carriage on said shank comprising a U-shaped plate substantially rectangular in side elevation and having its bight portion disposed over the top of said shank and its sides extending in close proximity to and substantially parallel to the sides of said shank, said shank having a plurality of recesses extending transversely thereof in its top side, a pin secured in and extending between the sides of said carriage above said shank and adapted to seat in any one of said recesses, a second jaw rigidly secured to said carriage adjacent the end thereof which is adjacent said first mentioned jaw, said second jaw extending forwardly and having a face making a slight angle with said first mentioned face, a second handle pivoted to said carriage below said shank and adjacent the end of said carriage remote from said jaws, said handle having a cam formed thereon adjacent said pivot and engageable with the bottom side of said shank, and resilient means disposed in the bight portion of said carriage engaging said pin, said carriage and said shank to hold said shank or carriage in its upper position and said cam in engagement with said shank whereby when said handles are moved together said carriage is rocked about the axis of said pin to move its lower side toward said first mentioned jaw and grip an article between said faces and hold said carriage in a stationary position.

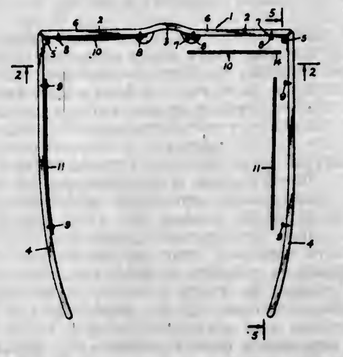
2,482,194
BALLISTOSCOPE
Estle Ray Mann, Upper Montclair, and Samuel Ward Stanton, Glen Ridge, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 13, 1944, Serial No. 535,494
3 Claims. (Cl. 315—26)

1. In combination, a pair of vacuum tubes not normally oscillating each comprising a cathode, a control grid, a screen grid and an anode, resistance-capacitance networks comprising resistances and capacitances connected respectively to the control grids of said tubes in a series parallel combination to ground, adjustable means for feeding back energy from the plate circuits of each of said tubes to the control grid circuits of the other tube in amounts sufficient to sustain damped oscillations in said networks, means comprising adjustable resistors between the cathodes of said tubes and ground to control damping of said oscillations, means for applying a pulse of



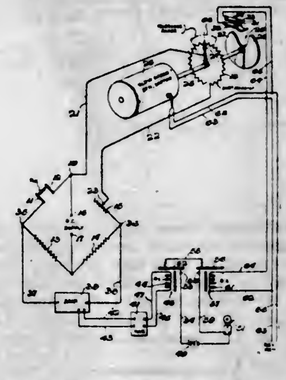
voltage to one of the said control grids to initiate said damped oscillations, a stage of push-pull amplification to amplify said damped oscillations, means for controlling the amounts of voltage applied to the grids of said push-pull amplifiers, and means for shifting the phases of the output signals from said push-pull amplifiers with respect to each other.

2,482,195
SPECTACLE FRAME
Theodore Martin, Sunnyside, N. Y.
Application June 3, 1948, Serial No. 30,792
3 Claims. (Cl. 88—41)



1. A spectacle frame made of transparent material and having lens carrying members and temple bars, comprising pins secured in the material in each of the upper bars of the lens carrying members, two of said pins being spaced inside of the bridge piece of the said spectacles and the other two pins being spaced inside of the temple bar hinges whereby the pins are arranged in pairs, one pair on each upper bar of the lens carrying members, the pins of each pair being spaced apart approximately equal to the distance across the lens opening, each pin having a head extending inwardly and spaced from the inner surface of said upper bar, two substantially like strips of material of a contrasting color to that of the material of the lens supporting members, said strips of material having inherent resiliency and generally shaped to the contour of said upper bars, recesses in the ends of said strips, the distance from the base of one recess to the other recess being slightly greater than the distance between the pins whereby the strips may be snapped on said pins beneath the heads thereof and retained in position by reason of their resiliency.

2,482,196
RESISTANCE MEASURING APPARATUS
Robert B. Marye, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 6, 1945, Serial No. 576,475
3 Claims. (Cl. 175—183)

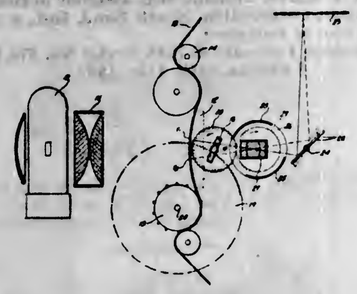


1. In electrical resistance measuring apparatus; a resistor adapted to vary smoothly from a maximum to a minimum value of resistance upon continuous rotation of an associated shaft, means drivingly connected with said shaft for rotating the latter, a pair of relatively adjustable cam lobes secured to said shaft, switching means in co-operating relationship with said cam lobes and constructed and arranged to be opened and closed by said cam lobes, a bridge circuit including a pair of output terminals and having a resistor to be measured in one arm of the bridge and said variable resistor in another arm of the bridge, a first set of electromagnetically actuated normally open contacts, circuit means connected to the output terminals of said bridge including therein the electromagnet associated with said first set of contacts and having means for exciting said electromagnet when the resistance of said variable resistor bears a predetermined relation to the resistance of said resistor under test, a second set of electromagnetically actuated normally open contacts, other circuit means including said switching means for exciting the electromagnet associated with said second set of contacts when said shaft lies within a predetermined fractional arc of its complete revolution, and a control circuit including said first and second sets of normally open contacts.

2,482,197
MOTION-PICTURE APPARATUS OF THE OPTICAL COMPENSATING TYPE
Luther W. McGinty, Chattanooga, Tenn., assignor to Leventhal Patents, Inc., Chattanooga, Tenn., a corporation of Delaware
Application April 9, 1946, Serial No. 660,646
8 Claims. (Cl. 88—16.8)

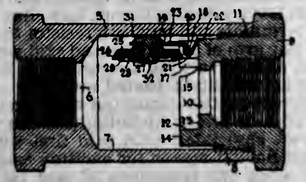
4. A device of the character described comprising means for feeding motion picture film at uniform linear speed, a rotatable optical compensator, means to effect during movement of the film through a single picture cycle rotation

of the compensator through two compensating cycles to produce two successive stationary spaced virtual images of a luminous point on the film, optical means to reimage said virtual images in registering relation and including a unit movable between a first and a second position, a rotatable eccentric, said unit being equipped with plane surfaces spaced apart at



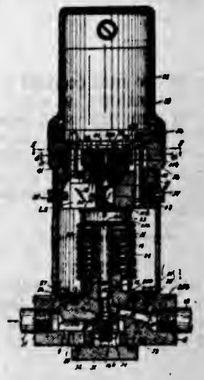
greater distances than the eccentric diameter and engageable by said eccentric periphery to effect movement of said unit from its first to its second position during initial portion only of a first half revolution of said eccentric and from its second to its first position during the initial part only of the next half revolution of said eccentric.

2,482,198
VALVE STRUCTURE
Joseph F. Mellchar, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application September 5, 1944, Serial No. 552,796
5 Claims. (Cl. 251—125)



4. In a valve, a casing having a port therein and a flat seat surrounding said port, a carrier arm swingably mounted in the casing, a flapper having a peripheral flange of a diameter greater than that of the port and flared toward said port and axially aligned therewith when the flapper is opposing the port, a sealing ring carried by the flapper, said ring including a thick ring portion presented for engagement with the seat over said port and disposed just within the flange flare and a thin flat ring body portion extending inwardly from said thick portion, said thick ring portion projecting axially a limited distance beyond the flange so that the flange can engage said seat only after there has been a degree of compression of said thick ring portion against said seat, a hub extension on said flapper having a loose connection with the carrier arm, said flapper having another hub extension on its opposite side approximating in thickness the thickness of the thin ring body portion, a washer secured to said last mentioned hub extension and overlying the thin ring body portion to hold the ring in place, said thick ring portion in normal condition being spaced radially from said flange flare and from the periphery of said washer, said flange flare allowing freedom for the sealing ring to spread when pressed by high pressure against the seat thereby to permit the flange to engage in non-yielding seating contact with the seat, and fastening means passing through the flapper and washer securing them together and to the carrier arm.

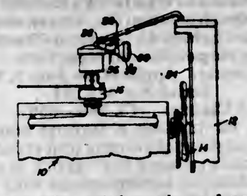
2,482,199
MOTOR OPERATED VALVE
Edward G. Miller and Ralph E. Engberg, Clayton, Mo., assignors to Alco Valve Company, St. Louis, Mo., a corporation of Missouri
Application September 20, 1943, Serial No. 503,022
1 Claim. (Cl. 137—139)



In a valve mechanism, a reversible motor having a projecting shaft, valve elements including a valve housing, an inlet passageway, an axial bore having a valve seat, and an outlet passageway formed therein, a poppet valve stem slidable in the axial bore, a valve head provided with sealing means formed adjacent a reduced portion of the valve stem, a chamber formed in said bore by the reduced portion of the stem, an expansible spring arrangement normally maintaining the valve head seated against the valve seat, a bellows assembly for hermetically sealing the aforesaid valve elements from the remainder of the mechanism, a cylindrical shell mounted on the valve housing in spaced relation to the bellows, a member provided with an axial bore and being mounted on and supported by said valve housing, a jack-screw axially slidable but non-rotatable in the bore, an enlarged head portion of the jack-screw being in contact with the upper end of the poppet stem, a rotatable nut engaging an externally threaded portion of the jack-screw for reciprocating the latter axially to seat or unseat the valve head, and a power transmission means including an epicyclic gear train interposed between the motor shaft and the rotatable nut, whereby the latter is driven at a greatly reduced speed by said motor.

2,482,200
MOISTURIZER FOR CARBURETORS
George Miller, Pawtucket, R. I.
Application December 31, 1947, Serial No. 794,938
5 Claims. (Cl. 123—25)

1. Means for supplying moisture to the carburetor of a vehicle engine, comprising a mixing chamber, an outlet conduit carried by said chamber and communicating with a carburetor, air and vapor lines communicating with said chamber, and means for mixing air and vapor in said chamber.



2,482,201
SHEET MOVEMENT RESPONSIVE COUNTING DEVICE
William Russell Mulquin, Dundalk, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application October 30, 1947, Serial No. 783,134
3 Claims. (Cl. 235—98)



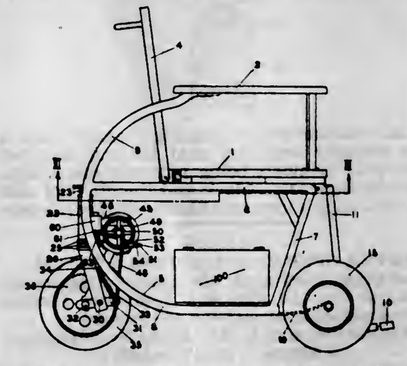
2. A device for counting metal sheets and plates comprising a supporting base, spaced standards secured to the base, extension means for lengthening one or more standards as desired, a register provided with a trip lever and mounted on one of said standards, and a vane pivotally mounted on said base and operatively connected to said trip lever for actuation by the air gusts from the movement of the sheets being counted.

2,482,202
FREEZING COMESTIBLES WITH COMPATIBLE SOLUTIONS
Harry A. Noyes, Watertown, Mass.
No Drawing. Application April 10, 1943, Serial No. 482,611
7 Claims. (Cl. 99—193)

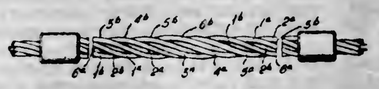
1. The method of freezing fruits and vegetables, comprising directing a spray of a liquid refrigerant against bodies of such comestibles while supported in the atmosphere at a rate and in a volume such as to envelope such bodies and rapidly remove and renew the liquid in contact with the surfaces of the bodies, such refrigerant being an aqueous solution of matter compatible with the comestible having a freezing point below 20° F. and a viscosity of less than 65 centipoises at the temperature of use, and applying it at a temperature within two degrees above its freezing point.

2,482,203
ELECTRIC MOTOR DRIVE AND CONTROL FOR WHEEL CHAIRS
Harold R. Peterson and Fred H. Jeck, Flint, Mich.
Application August 16, 1946, Serial No. 690,847
3 Claims. (Cl. 180—65)

1. In a self-propelled wheel chair construction, the combination comprising: a frame having front and rearward ends and a seat supported by said frame; a pair of front wheels supporting the front end of said frame and a vertically swiveled wheel supporting the rearward end of said frame and having an upwardly extending swivel shaft; a battery carried by said frame and a motor driving said swiveled wheel; gear means on said swivel shaft; a hollow control rod tube vertically and rotatably mounted near a front corner of said frame, a control rod within said tube and means contained therein for supporting said control rod for vertically sliding relationship therewith and resilient means associated therewith for urging said rod upwardly; an operating handle on said tube at its upper end for rotating said tube and also contacting said rod for urging it downwardly against the urging of said resilient means; gear means on said tube at its lower end and power transfer means connecting said last-named gear means to said first named gear means; electrical current regulating means having actuating means, said regulating means mounted on said frame in such relationship to said control rod that said actuating means will be moved in current increasing direction with downward movement of said rod against said resilient means; means returning said actuating means in current decreasing direction with upward movement of said rod; electrical connecting means operatively associating said battery, motor and regulating means, whereby upward and downward movement of said control rod will regulate the speed of said motor; said parts all being so arranged that horizontal movement of said handle will steer said chair, vertical movement of said handle will control the speed of said chair and upon release of downward pressure on said handle said chair will automatically stop.

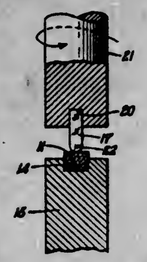


2,482,204
WIRE ROPE SPLICE
Vincent C. J. Peterson, York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application February 10, 1948, Serial No. 7,405
3 Claims. (Cl. 57—142)



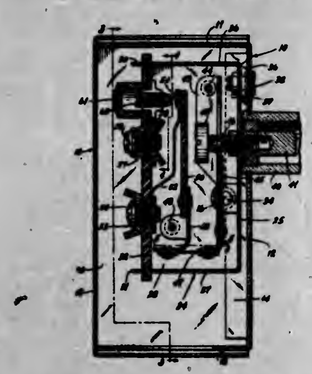
1. A splice for two rope ends comprising a helically laid portion and a terminal splayed portion on each rope end, the strands of the splayed portion of each rope end passing between the strands of the splayed portion of the other rope end and helically disposed in the valleys of the laid portion of the other rope end, and means securing the strands of the splayed portion of each rope end in the valleys of the underlying laid portion of the other rope end.

2,482,205
BEARING
Lawrence D. Potts, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application February 14, 1945, Serial No. 577,758
9 Claims. (Cl. 308—238)



1. In combination, a bearing member, and a shaft member engaging said bearing member, one of said members being formed from a compacted carbonaceous black and the other of said members being a unicrystalline body of corundum.

2,482,206
LEVER OPERATED CONTROL SWITCH
Ryder Pratt, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application May 4, 1945, Serial No. 591,986
5 Claims. (Cl. 200—153)



1. In a switch mechanism, a housing, a first lever pivoted on the housing, a force element adapted to apply force to move the first lever in one direction, said first lever having resilient prong means adapted to be abutted by the force element for transmission of the movement from the force element to the first lever, the resiliency of said prong means permitting overtravel of said force element without further movement of said first lever after a predetermined maximum movement of said first lever, a second lever lying alongside the first lever and connected therewith for movement thereby, said second lever being pivoted to the housing adjacent its connection aforesaid, and extending beyond the pivot, a spring switch contact blade secured to the housing and extending adjacent the extending end of the second lever, said blade normally engaging the second lever and urging it oppositely to the direction applied by the force element and the second lever, and a second contact engageable by the contact blade.

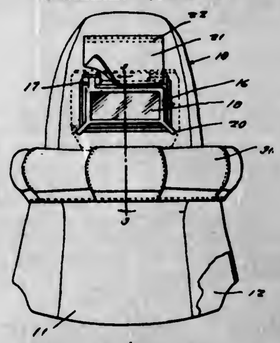
2,482,207
PROCESS FOR MAKING STYRENE AND SUBSTITUTED STYRENES
William M. Quattlebaum, Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 9, 1946, Serial No. 682,297
8 Claims. (Cl. 260—650)

1. Process for making a styrene compound of the group consisting of styrene and chlorostyrenes which comprises passing the vapors of one of the group consisting of acetophenone and ring-substituted chloroacetophenones and an aliphatic monohydric alcohol capable of dehydrogenation to a carbonyl compound in the ratio of three to nine moles of the alcohol per mole of the acetophenone compound over a dehydrating-dehydrogenating catalyst at an elevated temperature, and recovering from the reaction products a styrene compound and an aliphatic carbonyl compound corresponding to the dehydrogenation product of said alcohol.

2,482,208
PROCESS FOR MAKING STYRENE AND ITS DERIVATIVES
William M. Quattlebaum, Jr., Charleston, and Walter J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 9, 1946, Serial No. 682,298
9 Claims. (Cl. 260—650)

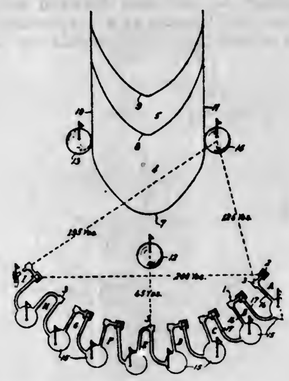
1. Process for making a styrene compound of the group consisting of styrene and chlorostyrenes which comprises passing the vapors of one of the group consisting of acetophenone and ring-substituted chloroacetophenones and an aliphatic monohydric alcohol capable of dehydrogenation to a carbonyl compound over a silica gel catalyst at an elevated temperature and recovering from the reaction products a styrene compound and an aliphatic carbonyl compound corresponding to the dehydrogenation product of said alcohol.

2,482,209
WELDER'S HOOD
Frank D. Ralston, Seattle, Wash.
Application October 27, 1944, Serial No. 560,599
3 Claims. (Cl. 2—8)



1. In a device of the character described in combination, a flexible hood, an eye piece therein, a member secured to the interior of said hood adapted to deflect the breath of the wearer from said eye piece, an aperture in said hood below said member, and a channel member peripherally positioned about said hood and communicating with said aperture, and opening at the rear of said hood.

2,482,210
GOLF PLAYING FIELD
Milton B. Reach, Sr., Springfield, and Milton B. Reach, Jr., Westfield, Mass.
Application February 3, 1949, Serial No. 74,304
3 Claims. (Cl. 273—32)



1. A golf playing field having at one end a series of arcuately aligned spaced sets of tee stations with driving tees and second shot tees adjacent thereto in spaced relation, said series describing an arc of substantially ninety degrees of a circle with the concave side thereof facing said field, fairway driving zones centrally of the field and oppositely facing the tees with convex boundary limit lines at predetermined distances from said tees, lateral boundary limits for said zones connected to said convex lines and defining between them a central longitudinal portion of the field, target areas for the second shot tees each of about the same size and simulating the green used as a target on an orthodox golf course and consisting of a short target area on the longitudinal center line of said field and spaced from the central tee station at a distance less than the shortest minimum fairway zone limit and longer iron target areas one adjacent each lateral boundary line and spaced from the nearer end of said arc of tees a distance of at least one hundred yards, and spaced putting greens each located rearwardly of said several tee stations to provide with each station a sequence of play corresponding to the playing of one hole on an orthodox golf course.

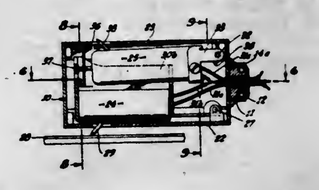
2,482,211
LIFTING APPARATUS
Hendricus Cornelis Reichardt, Amsterdam, Netherlands
Application December 2, 1947, Serial No. 789,263
In the Netherlands December 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 21, 1962
3 Claims. (Cl. 187—9)

3. Lifting apparatus comprising a vertical guide, a slide slidable along said guide, a motor for moving said slide, a switch mechanism for said motor, a platform connected to said slide and adapted to take a different position with regard to said slide as it is loaded or unloaded, a rod carried by said platform and adjustable transversely of said platform, a rotatable axle mounted on said slide, a cam integral with said rotatable axle, a lever fixed in its middle on said rotatable axle provided with means for connecting either of the ends with said rod, a control-rod associated with said switch mechanism extending parallel to said vertical guide and being provided



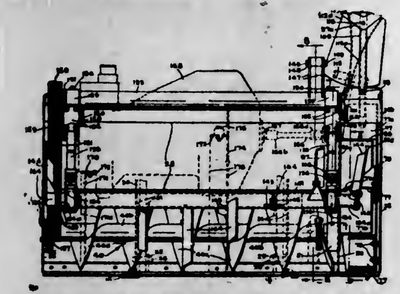
with a plurality of projections adapted to coact with said cam, as said slide and said platform move to either end of said vertical guide.

2,482,212
COMBINED RECORDING AND REPRODUCING DEVICE
William K. Rieber, Los Angeles, Calif.
Application December 22, 1945, Serial No. 636,871
6 Claims. (Cl. 179—100.41)



1. In photographic apparatus of the class described for selectively producing or transcribing sound records including a moving, sound-receiving record and an amplifier, switching means and selective transducer means comprising, in combination: an electro-mechanical transducer, responsive to said amplifier and having recording stylus means therein; a mechanico-electrical transducer having transcribing stylus therein responsive to said record; a rotatable turret mounting said transducer for independent swinging motion with respect thereto; indexing means to lock said turret in either of two rotational positions whereby said transducers are selectively positioned to engage by said swinging motion thereof, said record; limiting means mounted in said turret and operatively associated with said mechanico-electrical transducer whereby to limit swinging motion of the same, said limiting means being further adapted by a V-shaped portion therein to engage and hold said mechanico-electrical transducer in a horizontally centralized position when the same is out of engagement with said record; and switching means mechanically connected to be operated by rotation of said turret and electrically connected between said transducers and amplifier to selectively effect operative connection of said amplifier with such transducer as is positioned to engage said record.

2,482,213
SNOWPLOW STRUCTURE
John R. Ritchie, Minneapolis, Minn.
Application August 12, 1944, Serial No. 549,151
13 Claims. (Cl. 37—43)



1. A snow plow having in combination, a frame, a helical conveyor adjacent the front of said plow, a chamber at one side of said plow to which said conveyor delivers, a chute leading upwardly from said chamber, a rotor in said chamber for discharging snow therefrom, said rotor having circumferentially spaced blades spaced from the axis of said rotor, a gear casing disposed within said impeller between the inner ends of said blades and gearing in said gear casing for driving said rotor and conveyor from said motor.

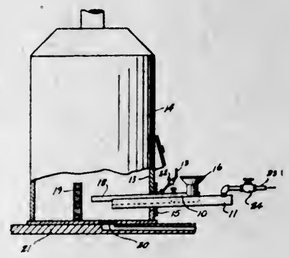
2,482,214
CONNECTING PLUG
James M. Rogie, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1945, Serial No. 613,332
2 Claims. (Cl. 173—332)



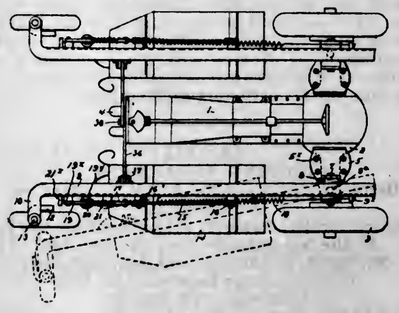
1. A connecting plug comprising a pair of easily separable plug members arranged side by side to cooperate with each other to form a unit plug assembly, each of said plug members comprising a pair of insulating members secured together to form a casing and each having a plurality of parallel slots therein, a contact spring consisting of a single arched member positioned in each of said slots, the depth of said slots being such that the ends of each of said springs bear against one side wall of the slot and the mid-portion of said spring bears against the opposite side wall of the slot, and flexible cords extending into said casings and having their conductors connected to said contact springs, one of said plug members having a projection on a side wall thereof and the other having a corresponding chamber into which said projection nests, said contact springs being held in operative position by the securing together of the insulating members.

2,482,215
OIL BURNER
Peter Kephart Russell, Shippensburg, Pa.
Application December 13, 1946, Serial No. 716,049
2 Claims. (Cl. 158—4)

1. A gravity feed liquid fuel burner for a furnace, said burner comprising an air tube of substantial diameter adapted to be installed through a sidewall of the furnace with its forward part projecting a substantial distance within the interior of said furnace, said air tube being substantially entirely open at its forward end and closed at its rearward end, the top of said forward end of said air tube being formed with a longitudinal extension extending forwardly into the interior of the furnace beyond said forward end of the air tube and functioning as a combustion shield, downdraft outside air inlet means on the portion of said air tube outside of the furnace, a moisture supplying water jacket coextensive with and surrounding the sides and the bottom of said air tube with its forward end terminating at the inward end of said air tube and being open, water inlet means on said water jacket outside of said furnace, and gravity oil feed means for said air tube comprising a forwardly declining oil nozzle traversing the top of said air tube between said air inlet means and the furnace and opening at its lower end into said air tube.

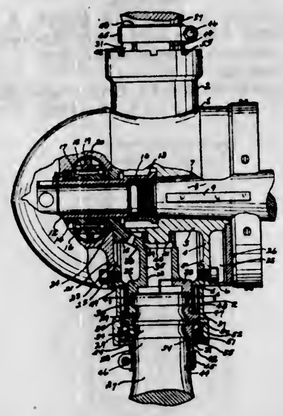


2,482,216
COTTON-PICKING MACHINE
John D. Rust, Memphis, Tenn.
Application March 29, 1944, Serial No. 528,587
5 Claims. (Cl. 56—11)



1. In a cotton picking machine wherein cotton picking machine units are mounted on and parallel with a tractor: the improvement which comprises supporting structures for the units, which structures are pivoted at the rear on vertical axes in order that said structures may be swung out laterally at the front away from the tractor for purposes described.

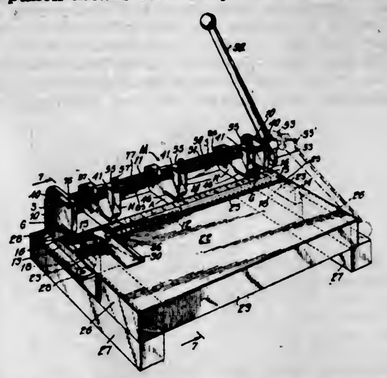
2,482,217
BLADE MOUNTING FOR PROPELLERS
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 21, 1945, Serial No. 636,363
9 Claims. (Cl. 170—160.3)



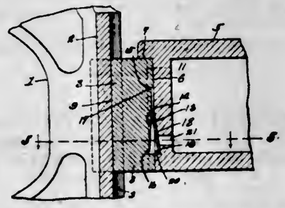
2. In a variable pitch propeller, a hub, a plurality of blade supporting barrels extending radially of the hub, the axes of said barrels lying in the same plane and intersecting and spaced uniformly circumferentially of the hub, at a common point in the hub, blades respective to the barrels, a blade shank on each blade and having external annular corrugations, a plurality of pairs of complementary hemi-cylindrical shank retaining sleeve sections, each pair embracing a shank, means for securing each pair of the hemi-cylindrical sleeve sections in embracing relation about and in coaxial relation with its associated shank, means supporting each pair of the assembled retaining sleeve sections in fixed axial position in its associated barrel and for rotation about the common axis of its sections, means securing each blade and its associated retaining sleeve sections for rotation together about their common axis, one hemi-cylindrical sleeve section of each pair having an integral extension at its inner end offset therefrom into coaxial relation to the shank and projecting into the hub, blade gears on and rigid and coaxial with the extensions, respectively, a drive shaft coaxial with the hub and having its axis intersecting said point, a master driving gear in the hub coaxial with the shaft and engaged with all of said blade gears for driving said gears and adjusting the blades concurrently, and means in the hub drivingly connected to the main driving gear for driving the same.

2,482,218
PAPER PERFORATING DEVICE
Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts
Application February 26, 1945, Serial No. 579,764
50 Claims. (Cl. 164—91)

1. In a perforating machine, a frame having bearing means, a platform supported by said frame, a plurality of headers, shaft means rotatably sustained by said bearing means, punch means slidably guided by said headers, means to interlock said shaft means with said punch means for actuating the latter upon rotation of said shaft means, means for severally shifting each of said punch means selectively out of interlocking relation with said shaft means, and manipulatable means for driving said shaft means.



2,482,219
RAILWAY TRUCK BOLSTER COLUMN GUIDE
Harvey H. Shaffer, Berwick, Pa.
Application September 26, 1945, Serial No. 618,722
1 Claim. (Cl. 105—207)

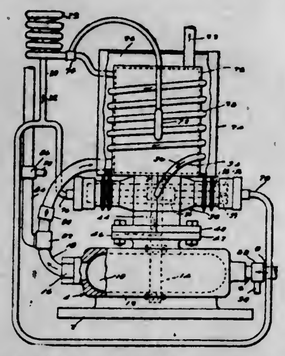


In a railway car construction, the combination with a column post having bearing surfaces extended along substantially vertical lines, of a truck bolster having a channel, a guide block insertible upwardly into said channel and retained in part by the walls thereof, said channel being closed at its upper end to provide a terminal seat for the guide block, said guide block having bearing surfaces for snug and wiping contact with the bearing surfaces of the post, there being matching grooves within the guide block and the bolster, a spring, a portion of the spring being secured in one of the grooves, and a portion of the spring being adapted for movement from said one of the grooves into the other groove, thereby to hold the guide block against withdrawal from the channel, there being an opening in the bolster for the reception of a tool to shift the latter spring portion from said other groove into said one of the grooves, thereby permitting the withdrawal of the guide block.

2,482,220
LIQUID COOLING DEVICE
Dale Smith, Englewood, Ohio
Application September 6, 1946, Serial No. 695,233
3 Claims. (Cl. 62—141)

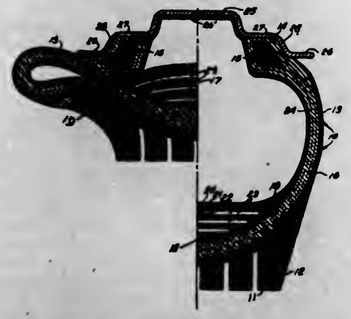
1. A water cooling apparatus including a water motor comprising a motor casing having an inlet pipe and an outlet pipe and containing a rotatable drive shaft having a water driven rotor mounted thereon, a refrigerant pump casing sup-

ported by the motor casing and containing pumping elements operatively connected to the drive shaft within the pump casing, a water tank supported by the pump casing and having an outlet water pipe for supplying refrigerated water, the outlet pipe from the motor casing being connected to the water tank, a refrigerating line including evaporator coils disposed in heat exchange rela-



tion with said water tank, one portion of said refrigerating line having condensing means connected therein and being connected to one portion of the pump casing, another portion of said refrigerating line being connected to another portion of said pump casing, and a restrictor element arranged within the refrigerating line between the condensing means and evaporator coils.

2,482,221
PNEUMATIC TIRE AND TIRE RIM
Edward Sokolik, New Brighton, Minn.
Application March 16, 1946, Serial No. 654,888
9 Claims. (Cl. 152—310)



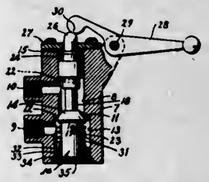
1. A combined pneumatic tire and tire rim, comprising a rim, such rim including lateral seats and side extensions, a tire casing mounted upon the rim and having beads to engage upon the lateral seats, side walls, and a tread portion, a resilient cushion disposed within the casing adjacent to the tread portion and permanently attached to the tire casing and forming a radially inner substantially continuous circumferential surface, and an inner tube arranged within the casing and engaging upon the substantially continuous circumferential surface, the arrangement being such that when the tire is deflated the lateral seats, side extensions, beads and side walls coact to form a radially inner circumferential running bearing to engage upon the tread portion, side walls, and resilient cushion coacting to form an outer circumferential running bearing.

2,482,222
TWO-TEMPERATURE REFRIGERATING MEANS
Minor Harrison Strang and Ralph J. Burger, Kendallville, Ind., assignors to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application February 16, 1948, Serial No. 8,515
6 Claims. (Cl. 62—102)



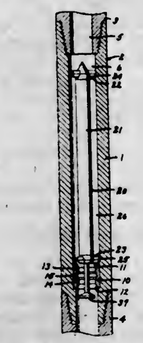
2. In a refrigerator, an insulated compartment, a closed refrigerant line in the compartment comprising a down line, a rising coil and a connecting pipe between the tops of the coil and the down line, a pipe for a refrigerant of approximately constant temperature in heat-exchange relation to the connecting pipe, a fan for forcing air down past the coil, and thermostatic means controlling the fan in accordance with the temperature in the upper portion of the compartment.

2,482,223
SELF-ALIGNING POPPET VALVE
Carl J. Strid, La Canada, and Joseph R. Blake, La Crescenta, Calif., assignors to Adel Precision Products Corp., a corporation of California
Application October 13, 1945, Serial No. 622,138
7 Claims. (Cl. 251—132)



3. In a poppet valve, a body member having a valve-receiving bore extending therethrough and inlet and outlet ports opening into said bore at points axially spaced along said bore, a valve seat in said bore between said ports and an enlargement of said bore between one end thereof and said seat, into which enlargement said intake port opens, a poppet valve member movable in said enlargement into and out of contact with said seat, stems projecting from opposite sides of said valve member, guide members mounted in said bore on opposite sides of said valve member, means pivotally connecting said guide members with said stems whereby said valve member and said guide members are relatively movable about the axes of the pivotal connections thereof, a spring means for closing said valve member, and means operable through one of said guide members for unseating said valve member.

2,482,224
CLINOMETER FOR WELL BORES
Judson S. Swearingen, Southton, Tex., assignor, by mesne assignments, to Robinson Tool Company, Houston, Tex., a corporation of Missouri
Application November 30, 1940, Serial No. 367,911
4 Claims. (Cl. 33—205)



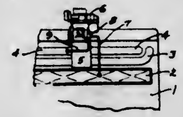
1. In a device of the class described, an elongated member having a bore therein, an inclination unit mounted in said bore, said unit comprising a housing, there being a passage for fluid between the member and housing, a piston within said housing, a stepped cup movable with said piston, a pendulum suspended in the housing for engagement with the stepped cup when the member is inclined, spring means normally urging the piston and cup toward the pendulum, a stem attached to the piston and extending outwardly through the housing, a valve member on said stem to move the stem outwardly when fluid is forced through the bore, and restricted areas in said bore to produce variable throttling of the fluid as the stem moves outwardly.

2,482,225
COPPER BASE ALLOYS
John Sykes, Enfield, England, assignor to Enfield Rolling Mills Limited, Enfield, England, a company of Great Britain
No Drawing. Application March 13, 1945, Serial No. 582,579. In Great Britain April 26, 1944
10 Claims. (Cl. 75—159)

1. A copper base alloy combining high strength with high electrical conductivity consisting of from 0.5% to 1.0% tellurium, from .06% to 0.1% metallic nickel, 0.02% to 0.1% oxygen and the balance copper.

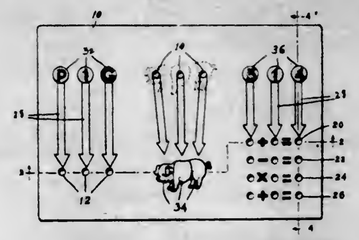
2,482,226
CRANKCASE VENTILATOR
Leslie K. Thome, Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 25, 1945, Serial No. 595,694
6 Claims. (Cl. 123—119)

2. In an internal combustion engine having a valve chamber and an intake manifold, a charge forming device connected to said intake manifold, a throttle for said charge forming device, a vapor passage connected to said valve chamber and to said intake manifold, a valve in said vapor passage, said valve comprising a restricted passageway and a metering rod extending into said passageway, said metering rod comprising a pair of cylindrical portions connected by a ta-



pered portion, one of said cylindrical portions being substantially larger than the other, means connected to the throttle for moving the larger portion into the restricted passageway when the throttle is moved to its substantially closed position, and means for moving the smaller cylindrical portion into said restricted passageway when the throttle is moved to open position.

2,482,227
EDUCATIONAL GAME
Benjamin Towne, New York, N. Y.
Application November 20, 1944, Serial No. 564,251
3 Claims. (Cl. 35—35)



1. An educational game comprising a board presenting a top plane surface, there being a plurality of perforations in said surface, said perforations being arranged in divisions, each of the divisions being spaced from each other and comprising parallel rows, each row having an equal number of perforations arranged in aligned relation and equally spaced from each other, a plurality of game pieces, each having a peg for insertion in a perforation of one of the rows and a head, each head bearing indicia symbolic of an educational operation on its top surface, a game piece being mounted upon each of the perforations of one of said rows, the respective game pieces being so selected that the indicia on the heads form together an educational operation, and a plurality of arrows equal in number to the perforations in a row of said one division and pointing from the one row of said divisions to the other row thereof.

2,482,228
THERMOMETER
Ralph C. Wappner, Springfield, Ohio, assignor to The Ohio Thermometer Company, Springfield, Ohio, a corporation of Ohio
Application December 7, 1945, Serial No. 633,332
2 Claims. (Cl. 73—376)

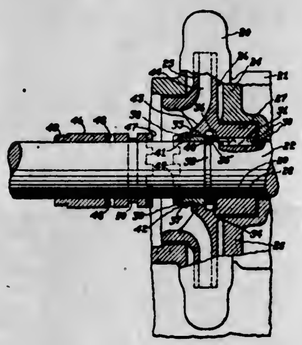
2. A thermometer comprising an elongated back plate having a series of graduations thereon, a thermometer tube positioned in calibrated rela-

tion with the series of graduations, a pair of socket terminals fitted over the opposite ends of the back plate and thermometer tube, and means



sealing said ends in the socket terminals to hold the back plate and thermometer tube in spaced relation.

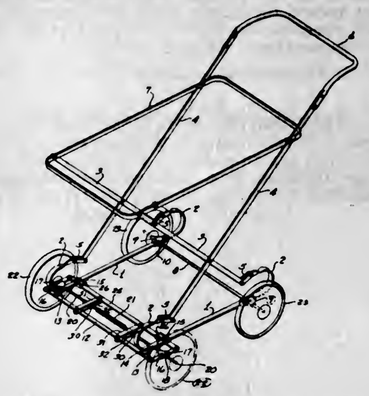
2,482,229
FASTENING DEVICE FOR PUMP IMPELLERS
Samuel H. Weaver, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 2, 1945, Serial No. 580,523
7 Claims. (Cl. 287—52)



1. A fastening device, comprising a shaft having an an annular member thereon, an impeller having a bore to receive the shaft and the annular member, a shoulder within the bore, and means threadedly connected to the impeller seating against one side of the annular member for pressing the shoulder against the opposite side of said member upon rotation of the said means for securing the impeller against endwise movement with respect to the shaft.

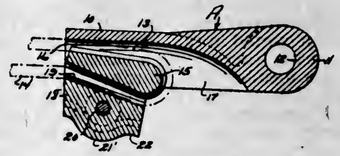
2,482,230
CHASSIS FOR BABY BUGGIES
Matilda D. Welsh, Ladue, Mo.
Application March 26, 1946, Serial No. 657,853
6 Claims. (Cl. 280—36)

1. In a chassis for baby carriage, the combination comprising a frame, a pair of front axle supporting members pivoted at the front of the frame and extending rearwardly therefrom, a front axle secured to each of said supporting members rearwardly of said pivotal connection, a cross bar pivotally connected to the rear ends of said axle supporting members, and a spring be-



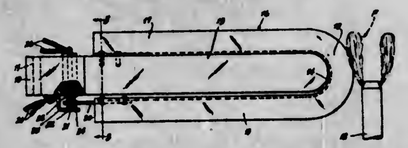
tween the inner ends of said axles for urging said axles in alignment one with the other.

2,482,231
CABLE LOCK
Joseph T. White, Glendora, Miss.
Application July 13, 1944, Serial No. 544,753
1 Claim. (Cl. 24—132)



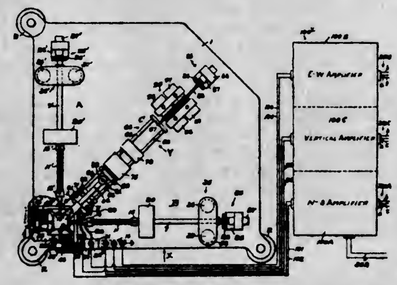
In a rope clamp, the combination of an elongated body having a terminal eye portion and a channel-shaped end portion, said channel-shaped end portion having a base rope-receiving groove and parallel side walls, a filler member spaced from said base groove and rigidly secured between said side walls to the same, said filler member having a first rope-receiving groove portion complementary to said base groove, a second rope-receiving groove portion extending at an angle to said first rope-receiving groove portion and a convex rope-receiving groove portion connected to said first and said second rope-receiving groove portions, said rope-receiving groove portions of said filler member forming a continuous groove on the periphery of said filler member, said second rope-receiving groove portion forming with said base groove a rope-receiving passageway, a manually-actuated locking jaw member between said walls and having a rope-receiving groove portion opposed to said second rope-receiving groove portion, whereby a rope is adapted to be threaded through said rope-receiving passageway and over said convex rope-receiving portion and between said opposed rope-receiving portions on said filler member and said manually-actuated locking jaw member, means attached to said side walls for supporting said locking jaw member for rocking movement whereby said rope-receiving portion of said jaw member may be positioned at an angle to said second rope-receiving groove portion to hold the rope against movement or may be positioned parallel to said second rope-receiving groove portion to release the rope for movement.

2,482,232
THERMOSTATIC DEVICE
John O. Yelda, Herculaneum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application November 3, 1944, Serial No. 561,775
2 Claims. (Cl. 297—11)



2. A thermostatic device comprising a base, a projection extending from the base and including opposite sides and a connecting side remote from the base, a unitary heat-responsive channel-shaped member of uniform composition secured to one side of the projection near the base and extending along said side in contact therewith, said member extending around said connecting side of the projection in contact with a portion thereof and extending down the other side of the projection in spaced relation thereto, said channel-shaped member having the flanges thereof extending outwardly from the projection, actuated means associated with the free end of said member, the free end of said member being adapted to assume and remain in one position upon impingement of the flame on the flanges thereof and being adapted to assume and remain in another position in the absence of heat greater than ambient temperature, the projection being adapted to absorb heat from the bottom wall of said member to accentuate the difference in temperature between the flanges and the bottom wall of said member when a flame is applied to the flanges of said member.

2,482,233
TELESEISMIC DETECTING, SIGNALING, AND RECORDING
Roger L. Arringdale, Wakefield, Mass., assignor to Diamond Instrument Company, Wakefield, Mass., a corporation of Massachusetts
Application March 28, 1946, Serial No. 657,698
6 Claims. (Cl. 177—352)



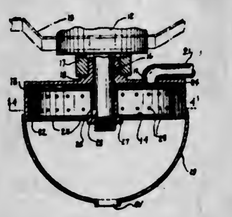
1. A plural-component manually portable teleseismic detecting, signalling and recording system including a single supporting column and a plurality of seismometer elements for a like number of different components, said elements being operatively suspended from said column in angular relation thereto and to each other in the same horizontal plane, which passes through the column near the base thereof.

2,482,234
RESILIENT TARGET
Raymond L. Barker, Chicago, Ill.
Application October 5, 1945, Serial No. 620,423
9 Claims. (Cl. 273—102)



1. Game apparatus, capable of receiving a charge of energy from a missile thrown against it and substantially instantly releasing that energy to repel the missile with speed and in a direction influenced more or less by such varying and variable factors as the spot on the apparatus contacted by the missile, and the traveling direction of the missile, and the velocity of the missile, and the spin, if any, of the missile, at the instant the missile engages the apparatus, comprising a sheet of flexible stretchable material, a marginal frame for said sheet, means lying behind said sheet and cooperating therewith to form a compartment for fluid under pressure which causes said sheet to present a curvedly convex impact face bounded by said frame; whereby engagement of said impact face by a missile causes but a momentary change in the shape of said fluid compartment while the sheet is held marginally substantially stationary by said frame.

2,482,235
CENTRIFUGAL HOMOGENIZER
Hugo Becchia, New York, N. Y.
Application July 13, 1946, Serial No. 683,360
2 Claims. (Cl. 259—50)



1. In a homogenizer having a motor formed with a depending driven shaft, a homogenizer unit comprising an external drum fixedly mounted on the casing of the motor and having a flat top wall, a depending skirt wall and an open bottom, an internal drum concentrically positioned within said external drum and mounted on the driven shaft to be rapidly rotated thereby, said internal drum having a flat bottom wall, a cylindrical skirt wall and a top inwardly extended flange defining a top opening for said internal drum, said top wall of said external drum having an opening above the top opening of said internal drum through which a liquid to be homogenized may be passed into said internal drum, said internal drum having its skirt wall formed with a plurality of small perforations, and a plurality of vertically arranged serrations formed on the inner face of said skirt wall of said external drum, whereby when said internal drum rotates the liquid to be homogenized will be centrifugally thrown through said perfora-

tions in small droplets and impinged against said serrations to have the fat content broken up and then fall completely homogenized from the open bottom of said external drum.

2,482,236
MULTIPLE IMPREGNATION OF PAPER-MAKERS' FELT

Orion William Bergiund, Dayton, Ohio, assignor to The Orr Felt & Blanket Company, Piqua, Ohio, a corporation of Ohio

No Drawing. Application September 19, 1946, Serial No. 697,903
3 Claims. (Cl. 117—140)

1. In a method of making felts for paper making machines, the steps of (*a*) impregnating paper makers felts with an emulsion of butadiene acrylonitrile copolymer having a solids content of from 10 to 30%; (b) curing said rubber at approximately 200 to 225° F. for 3 hours; (c) repeating impregnation with an emulsion of butadiene acrylonitrile copolymer having a solids content of from 10 to 30%; and (*d*) curing said rubber at about 200 to 225° F. for approximately 3 hours.

2,482,237
IMPREGNATING PAPER MAKING FELTS WITH POLYVINYL ALCOHOL CONTAINING EMULSION

Orion William Bergiund, Dayton, Ohio, assignor to The Orr Felt & Blanket Company, Piqua, Ohio, a corporation of Ohio

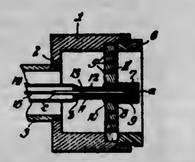
No Drawing. Application October 24, 1946, Serial No. 705,500
6 Claims. (Cl. 117—140)

1. In a method of making felts for paper making or like machines, the steps of (*a*) impregnating the felts with a mixture consisting of from 20 to 67 parts by weight of a 15% polyvinyl alcohol solution and from 80 to 33% of a 60% aqueous mixture of acrylonitrile butadiene copolymer; (*b*) removing any excess of said impregnating material from the felt by mechanical means so as to leave a pick-up of from 10 to 25% of cured material; and (c) curing said impregnated felt at a temperature of from 200 to 225° F. for approximately 3 hours.

2,482,238
GAS BURNER WITH THERMOCOUPLE

Paul L. Bets, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application October 14, 1940, Serial No. 361,079
4 Claims. (Cl. 136—4)

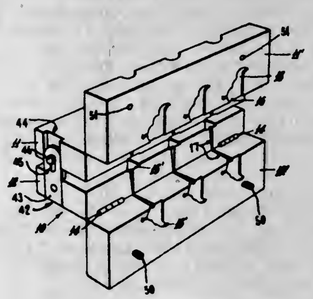


1. A burner control apparatus comprising, in combination, a fuel supply pipe, a high and low flame burner comprising a casing on the outer end of said pipe and forming with said pipe a fluid supply conduit and a burner face plate carried by said casing and having ports opening therethrough for maintaining a flame outside said plate, a heat conducting member extending on the outer side of said face plate and having an aperture in communication with the interior of said burner casing, said member being subject to the heat of the flame maintained by said ports, a thermocouple extending through said face plate and into said heat conducting member comprising a pair of thermocouple elements joined to form a "hot" junction within said heat conducting member and subject to the heating of said member by the flame, and lead conductors extending through said fuel supply pipe and joined to said thermocouple elements to form "cold" junctions at least one of which is disposed within the fuel supply conduit to be cooled by the relatively cool fuel flowing through said conduit.

2,482,239
MOLD FOR FORMING ORNAMENTAL PLASTIC BUTTONHOLE CASINGS

Israel Botwinick, Brooklyn, N. Y.

Application April 30, 1947, Serial No. 744,871
2 Claims. (Cl. 18—36)



1. In an injection apparatus for molding buttonhole elements in superposed relation on opposite sides of a section of fabric with the sprues attached to said fabric and jointly removable from said mold after molding, a four-section mold, said mold comprising two pivotally mounted complemental upper sections and two pivotally mounted complemental lower sections, said complemental sections having superposed cavities and separate injection gates for said cavities, one section of said complementary lower sections having dowel pins fixed therein and extending upwardly, and one section of said complementary upper sections having openings for said dowel pins and being slidable on said pins to and from said lower sections, whereby said upper and lower complemental sections are movable toward each other to grip and support a section of fabric intermediate said cavities, and means for injecting thermoplastic material through said gates into said cavities simultaneously to cause said buttonhole elements to be bonded to the upper and lower surfaces of said fabric.

2,482,240
BILLIARD CUE LOCK

John Bowman, Elyria, Ohio

Application May 15, 1947, Serial No. 748,178
2 Claims. (Cl. 70—62)

1. Locking means for a game stick, having a spool shaped adapter secured to one end of said game stick, said locking means comprising socket means adapted to receive said game stick, said socket means comprising a generally cup-shaped portion and an outwardly extending tubular sleeve portion, a plunger element adapted to be reciprocably mounted within said sleeve portion and adapted to be projected into locking engagement with said spool-shaped adapter end of the

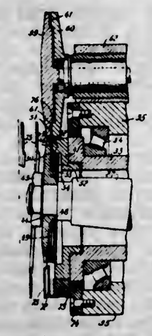


game stick, a lock adapted to be associated with said sleeve portion and adapted to prevent outward movement of said plunger means when so projected in locking engagement with the adapter.

2,482,241
METHOD FOR MAKING PRECOILED HELICAL FINS

Ernest Bruegger, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware

Original application September 8, 1944, Serial No. 553,153, now Patent No. 2,437,500, dated March 9, 1948. Divided and this application March 15, 1947, Serial No. 734,960
3 Claims. (Cl. 153—3)



2. A method of forming a pre-coiled helical fin for engine cylinders and the like comprising continuously bending a flat straight metallic ribbon edgewise around and in contact with a curved surface to form a helical coil and simultaneously bending the inner edge portion of the strip at an angle less than a right angle to the body of the strip, and then continuously further bending the bent inner edge portion of the coiled strip until it is disposed normal to the body of the strip to form a continuous L-shaped foot portion along the inner edge of the coiled strip for engagement with a cylindrical surface surrounded by the fin.

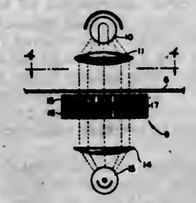
2,482,242
CODE SELECTOR

Joseph A. Brustman, Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application June 9, 1948, Serial No. 31,999
4 Claims. (Cl. 250—219)

1. A code selector for stopping the motion of a moving transparent tape when a predetermined arrangement of opaque areas on the tape is sensed

comprising; a sensing chamber which supports and guides the tape while in motion and contains apertures within the tape area; a plurality of settable stops for closing said apertures; a source of light for illuminating said apertures; a light



sensitive element for sensing light from the source which has passed through the tape and the apertures in the sensing chamber, and a control mechanism for stopping the motion of the tape when the light sensitive element receives no light.

2,482,243
INJECTION MOLDING DEVICE WITH SELF-BINDING SEPARATOR

Clarence W. Burnham, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application May 5, 1947, Serial No. 746,952
6 Claims. (Cl. 18—30)

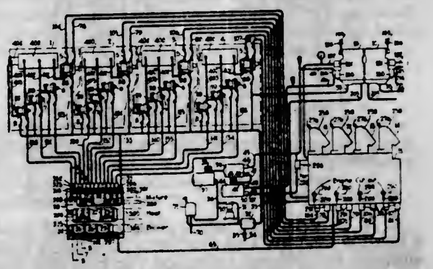


1. In an injection molding device, a heating chamber having a bore therein, a separator in said chamber having a tapered outer surface, the included angle of said outer surface being less than 15° and said outer surface being complemental to the bore in said chamber, the exterior of said separator and said bore being smaller adjacent to the outlet end of the chamber than elsewhere, said chamber and separator having cooperating surfaces which form enclosed longitudinally extending channels spaced by intermediate longitudinal fins, said channels providing passageways for material to be molded.

2,482,244
FLUID PRESSURE CONTROL APPARATUS

Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 23, 1943, Serial No. 480,161
30 Claims. (Cl. 60—97)

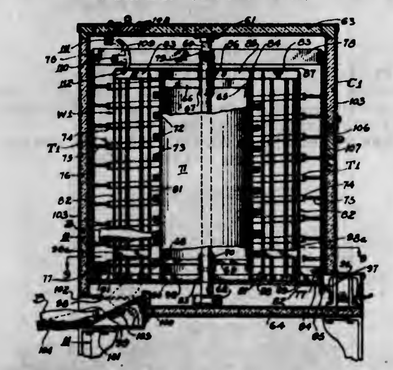


13. In combination, adjustable means, two control devices each comprising a lever operable

upon movement from a certain position to effect operation of the respective control device for providing a certain range of adjustments of said adjustable means, the lever of one of said control devices having a non-control position, actuating means operable upon movement of said lever of said one control device to said non-control position to effect movement of the lever of the other control device in the direction of its said certain postition, and means operable upon termination of said operation of said actuating means to render said last named lever and the respective control device effective to provide said certain adjustments.

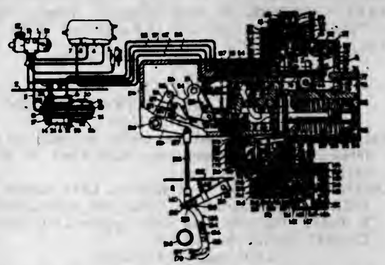
25. In combination, an adjustable device, a first control means and a second control means each individually operative to vary adjustment of said device, a first lever for controlling operation of said first control means, a second lever for controlling operation of said second control means, each lever having a certain zone of movement for controlling the respective control means and having a certain position in said zone to effect operation of the respective control means to provide a chosen adjustment of said device, said first lever being capable of movement out of its said certain zone of movement, transfer means controlled by said first lever and operable with said first lever in its said certain zone of movement to render said second control means ineffective to control said device and operable upon movement of said first lever out of its said certain zone of movement to render said second control means effective to control said device, said transfer means comprising means operable to effect movement of said second lever to said certain position in its certain zone of movement upon movement of said first lever out of its said certain zone of movement, and means operable upon movement of said second lever to said certain position in its said certain zone of movement to free said second lever for movement in its said certain zone of movement.

2,482,245
DISPENSING APPARATUS
Harry S. Childers, Fresno, Calif., assignor to Vendorlator Manufacturing Company, Fresno, Calif.
Application February 26, 1944, Serial No. 524,020
6 Claims. (Cl. 312—97.1)



4. In a dispensing apparatus: a cabinet having a loading opening and a delivery opening, a helical support for articles mounted for rotation about its axis in the cabinet in a substantially erect position for movement past the loading and delivery openings, a rotary article feeding means rotatably mounted in the cabinet concentrically of the helical support for rotary motion relative to said helical support, said feeding means having portions in arrangement with the support to engage articles borne thereby, and means for locking said support against rotation in the cabinet.

2,482,246
LOAD COMPENSATING FLUID PRESSURE BRAKE APPARATUS
Earle S. Cook, Forest Hills, Glenn T. McClure, McKeesport, and John W. Rush, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 736,010
19 Claims. (Cl. 303—22)



1. In a vehicle variable load brake equipment, in combination, a brake pipe, brake controlling means operative upon a reduction in pressure of fluid in said brake pipe to effect an application of brakes on said vehicle, adjustable mechanism for limiting the degree of said application in accordance with the degree of load carried by said vehicle, motor means operable by fluid under pressure for adjusting said mechanism, latch means for holding said mechanism in an adjusted condition and adapted to be rendered ineffective upon supply of fluid under pressure to a control chamber, a slide valve disposed in a valve chamber open to said brake pipe and having a cut-in position and a cut-off position, a passage connecting said control chamber to the seat of said slide valve, second and third passages connecting said motor means to said seat, said slide valve in said cut-in position opening the first named passage and said second passage directly to said valve chamber and lapping said third passage, and in said cut-off position opening said first and third passages to atmosphere, choke means for restricting flow of fluid under pressure from said third passage, a check valve in said second passage for preventing flow of fluid under pressure therethrough in the direction to said motor means, means operative by said latch means, subsequent to being rendered ineffective, to open said check valve, and means controlled by pressure of fluid in said brake pipe operative upon an increase in pressure therein to a chosen degree to move said slide valve to said cut-off position and upon a reduction in brake pipe pressure to a chosen lower degree to move said slide valve to said cut-in position.

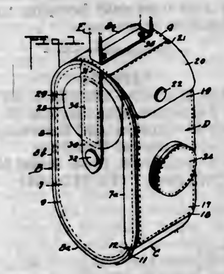
2,482,247
CRIBBAGE BOARD
Leroy L. Colon, Elmwood Park, Ill.
Application October 11, 1947, Serial No. 779,247
6 Claims. (Cl. 225—90)

1. A cribbage counter device comprising a one-piece structure having a substantially continuous track surface spiraling radially and vertically between laterally and vertically spaced



starting and finish zones, and rows of pegging holes on said surface extending in longitudinally spaced succession therealong.

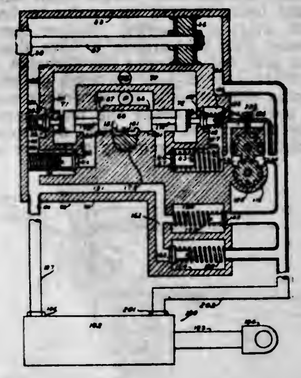
2,482,248
MOTION-PICTURE CAMERA CASE
Charles W. Coon, Berkeley, Calif.
Application January 28, 1947, Serial No. 724,735
5 Claims. (Cl. 150—52)
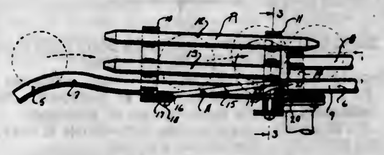


1. In a motion picture camera case; a pair of spaced-apart sides; a strip of material secured to the sides and forming a top, back and bottom for the case; the front of the case having an opening therein through which a motion picture camera may be inserted into the case, or withdrawn therefrom; a main cover securable over the opening in the front; the main cover having a cut-away area positioned to expose a lens and front viewing window of the motion picture camera; the back having a cut-away area positioned to expose a rear viewer of the camera; and an auxiliary cover swingably secured to the main cover and being movable into a position to form a closure over the cut-away area in the main cover; the auxiliary cover being swingable to expose the lens and front viewing window.

2,482,249
HYDRAULIC MECHANISM
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 1, 1944, Serial No. 561,433
3 Claims. (Cl. 121—41)

1. In power transmitting mechanism, a cylinder and piston slidable therein, means for supplying fluid under pressure thereto, valve means for controlling the flow of fluid to and from said cylinder, means for measuring the quantity of fluid flowing through said valve means as an indication of the position of said piston in said cylinder and including a pair of intermeshing gears, one of said gears having an axially extending threaded aperture therein, a threaded rod engaging said aperture and shiftable axially by rotation of said gear, a manually adjustable lever connected to said valve means for controlling the movements of said piston, shiftable fulcrum means for pivotally supporting said lever, and means connecting said rod with said fulcrum means for shifting the latter to adjust the position of said lever.



2,482,250
BOWLING BALL RETURN RUNWAY
Edward W. Discher, Milwaukee, Wis.
Application June 19, 1946, Serial No. 677,831
2 Claims. (Cl. 273—47)

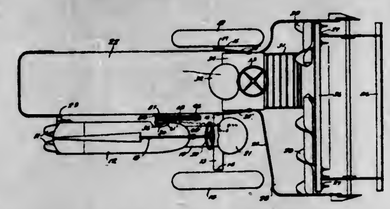


1. The combination with a return runway for bowling balls including a pair of spaced rails and a receiving rack arranged in front of the runway including side rails and a bottom central rail, of a device for facilitating the delivering of small balls to the rack including a centrally disposed plate arranged between the rails of the runway and gradually inclining upwardly toward the rack, and a centrally disposed guide boss on the upper surface of said plate at substantially the same height as the central rail of the rack, said boss having flaring sides for directing small balls to one side or the other of said central rail.

2,482,251
DETACHABLE POWER DRIVE CONNECTION
Rexford D. Downing and Clinton D. Prosser, Rock Island, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 24, 1945, Serial No. 624,298
13 Claims. (Cl. 180—53)

10. A readily detachable power drive connection comprising in combination with a tractor having a laterally extending power shaft and an implement removably mounted on and alongside the tractor and having a laterally extending

driven shaft, a chain sprocket mounted on the said driven shaft, a stub shaft mounted on the implement spaced from said driven shaft, said stub shaft having an annular groove therearound, a second chain sprocket formed centrally with an opening substantially larger than said stub shaft and being formed internally to hang on said stub shaft in eccentric relation thereto in engagement with said groove, a drive chain surrounding said sprocket and the sprocket on the driven shaft, said second sprocket on the stub shaft being substantially in alinement with the tractor power shaft when the implement is in operative position on the tractor, a coupling device including a first coupling structure carried



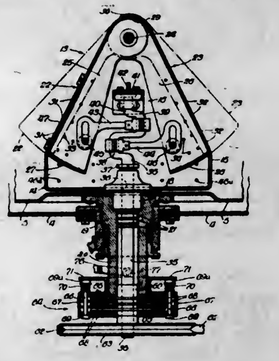
by the tractor power shaft and having spaced inwardly facing forwardly diverging grooves therein, a second coupling structure carried by the second sprocket having portions extending angularly outward in a forward direction, said portions of the second coupling structure being formed to mate with and adapted to engage the grooves of the first coupling member when the implement is moved into position on the tractor, and means to lock said coupling structures together.

2,482,252
RESINOUS COMPOSITIONS AND METHOD OF PREPARING SAME
Donald E. Edgar, Westport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1946, Serial No. 695,289
8 Claims. (Cl. 260—45.2)

1. A resinous coating composition comprising the reaction product obtained by heating simultaneously between 90° C. and 120° C. a partial polymer consisting of the reaction product of a dicarboxylic acid with a member of the group consisting of (A) a primary diamine-dicarboxylic acid linear polyamide forming salt and (B) a linear polyamide obtained by the polymerization of the said salt, the said partial polymer having an intrinsic viscosity of from 0.10 to 0.14; a monohydric alcohol, formaldehyde and material selected from the group consisting of urea, guanidine and an amino triazine.

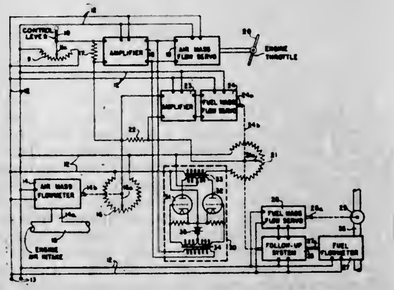
2,482,253
WASHING MACHINE AGITATOR
Nicholas L. Etten, Waterloo, Iowa
Application August 30, 1945, Serial No. 613,666
16 Claims. (Cl. 68—53)

1. In a washing machine, an agitator for use in the fluid tub thereof comprising a housing with lateral openings including flaps supported for movement into and out of said lateral openings of said housing, operative means to expand and contract the fluid capacity of said housing, said housing and said flaps each having prelocated apertures therein to alternately direct fluid jets into the tub fluid and to draw tub



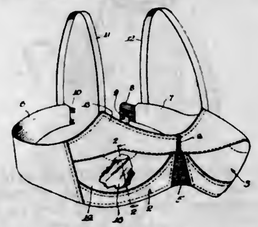
fluid toward and into said housing upon operation of said operative means.

2,482,254
FUEL-AIR RATIO CONTROL SYSTEM
Sherman M. Fairchild, Huntington, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application November 8, 1944, Serial No. 562,560
5 Claims. (Cl. 261—64)



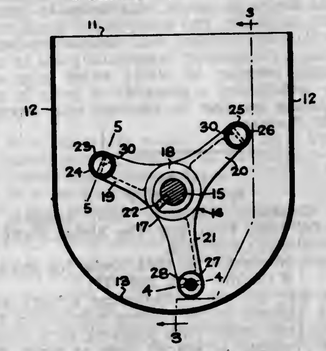
5. A system for controlling the fuel-air ratio of the input to an internal combustion engine in response to varying power requirements, said engine including independently adjustable air and fuel intake valves, comprising, a first voltage divider including an element settable to a position representative of the power requirements of the engine, a second voltage divider including an element adjustable in accordance with the air-mass flow to the engine, a first bridge circuit including said voltage dividers, means responsive to an unbalance of said bridge circuit for adjusting the air intake valve of the engine, a third voltage divider including an element settable to a position representative of the fuel-mass flow to the engine, a second bridge circuit including said second and third voltage dividers, means responsive to an unbalance of said second bridge circuit for adjusting the fuel intake valve of the engine, and means for introducing the unbalance potential of said first bridge circuit in series with said third voltage divider to increase the fuel-air ratio during acceleration.

2,482,255
BRASSIÈRE
Leonard S. Florsheim, Jr., Chicago, Ill., assignor to Kabo, Inc., a corporation of Illinois
Application March 20, 1947, Serial No. 736,066
2 Claims. (Cl. 2—42)



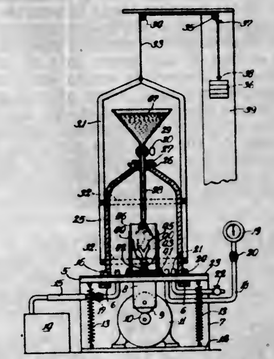
1. A breast supporting garment comprising a pair of substantially similar breast receiving pockets and means for supporting the same in position upon the body of the person wearing the same, each of said breast receiving pockets having an upper portion of flexible fabric and a lower portion formed of two layers of flexible fabric, an outer layer and an inner layer, said inner layer being of smaller dimensions than said outer layer and being marginally secured to the said outer layer but otherwise separated therefrom, said inner layer extending over substantially the entire area of the said outer layer except for the nipple area and the area immediately adjacent the bottom of said outer layer, and said inner layer having on the inner surface only thereof a flexible plastic coating in the form of a film integrally bonded to the said inner surface, the said plastic film imparting to the said inner layer a limited stiffness which enables the said plastic-coated inner layer to support the breast and yet permits the same to conform to the natural contour of the breast.

2,482,256
DOUGH-MIXING MACHINE
Theodore F. Freed, York, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application February 7, 1945, Serial No. 576,579
4 Claims. (Cl. 259—108)



1. In a dough-mixing machine, the combination with a mixing chamber, of a mixing member rotatably mounted therein and comprising end members, a plurality of straight rods extending between said end members, said rods being parallel with the axis of the mixing member and at different distances from said axis, all of said rods being circular in cross section, one of said rods having a larger diameter at its ends than at its middle and tapering gradually from its ends towards a central right cylindrical section.

2,482,257
INVESTING METHOD
John Frei, Jr., Chicago, Ill.
Application November 9, 1944, Serial No. 562,707
2 Claims. (Cl. 22—193)



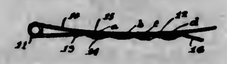
1. The method of investing a pattern to make a casting mold which comprises mounting a pattern in a flask, investing the pattern with a settable mold-forming material by delivering to the flask a stream of said mold-forming material in fluid form, subjecting the stream to vacuum as it is being delivered to the flask so as to break up the stream and remove air therefrom, and simultaneously vibrating the flask to cause a packing of the material about the pattern and to release from the material any air entrapped therein, said air being drawn off by reason of the vacuum.

2,482,258
COIN HOLDER
Ernest R. Funk, Jr., and E Harold Black, Galesburg, Ill.
Application April 29, 1947, Serial No. 744,664
2 Claims. (Cl. 206—.8)



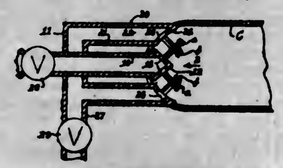
1. A coin holder for attachment to an object, comprising a plate having a pair of spaced slots extending through and from an edge thereof to substantially the median longitudinal measurement of the same, and also having a recess relatively wider than either of the slots and having a position between said slots and paralleling them, a lineally wound coil spring the convolutions of which lie in such close order that any two of them will serve to frictionally hold a coin between them, said spring being mounted upon one side of the plate and whose longest axis is substantially equal to the measurement between the named slots, each end of the spring extending through a slot and confining said spring between the slots by engagement with the slot-walls, and said ends of the spring each terminating in a portion to frictionally engage the plate at its side opposite that side having the spring for securing the latter in position, and a vacuum cup slidably seated in the named recess.

2,482,259
HAIRPIN
Robert N. Gernhauser, Toledo, Ohio, assignor to Gernhauser Industries, Inc., Toledo, Ohio, a corporation of Ohio
Application January 27, 1947, Serial No. 724,626
1 Claim. (Cl. 132—50)



A bobby pin comprising a strip of substantially flat spring metal bent up itself to provide a pair of hair gripping arms normally urged toward each other, a plurality of straight grooves in the inner face of one of said arms, said grooves extending generally diagonally across said arm from edge to edge of said arm, some of said grooves extending in one direction and others in a different direction whereby said grooves converge toward an edge of the said one arm and others converge toward the opposite edge of said one arm so as to deter broadside slippage of said pin with respect to the hair gripped thereby.

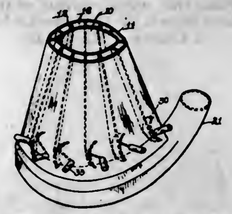
2,482,260
LIQUID FEEDING DEVICE
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Original application May 20, 1944, Serial No. 536,558. Divided and this application March 22, 1946, Serial No. 656,216
1 Claim. (Cl. 299—143)



A liquid feeding device comprising an inner feeding element having a plurality of outwardly directed and radially elongated end feeding slots producing an expanding laminated liquid spray, a concentric outer feeding element having an annular series of inwardly directed and radially elongated end feeding slots producing a second and contracting laminated liquid spray intersecting said first spray in an annular locus, means to feed one combustion liquid to said inner feeding element and separate means to feed a different combustion liquid to said outer feeding element, and the radially elongated slots in the inner feeding element being positioned in radial planes alternately disposed with respect to the radial planes of the radially elongated slots in the outer annular series, whereby the spray laminations of said two series of slots are alternately disposed circumferentially and said liquids are effectively intermingled.

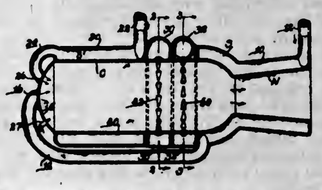
2,482,261
FLOW CONTROL MECHANISM FOR COOLING SYSTEMS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application June 25, 1947, Serial No. 756,863
4 Claims. (Cl. 257—2)

2. In a cooling system, a branch passage, a liquid supply therefor, a vane in said branch passage having a diverting portion movable into said liquid supply, and a spring to move said vane into said passage, said vane having a portion



engaged by liquid flowing through said passage and said vane being moved out of said supply when thus engaged by a normal flow of liquid.

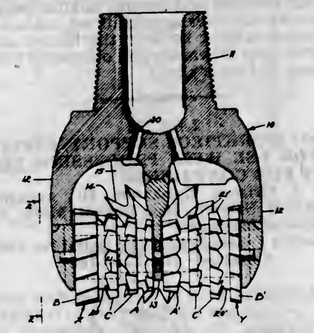
2,482,262
STEAM PRODUCTION IN JACKETED COMBUSTION CHAMBERS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application January 2, 1948, Serial No. 77
6 Claims. (Cl. 60—35.6)



6. In a combustion apparatus, an elongated combustion chamber having a discharge nozzle, means to supply liquid fuel and oxidizer to said combustion chamber, jacket members enclosing longitudinally spaced portions of the side wall of said combustion chamber, a pair of annular casing members encircling said chamber between said jacket members, means to supply water under pressure to the casing member which is remote from said discharge nozzle, and means to remove a mixture of steam and combustion gases from the second casing member, said combustion chamber having a plurality of tangential ports in said first casing member to direct water into said chamber and having a plurality of ports in said second casing member to abstract said mixture from said chamber.

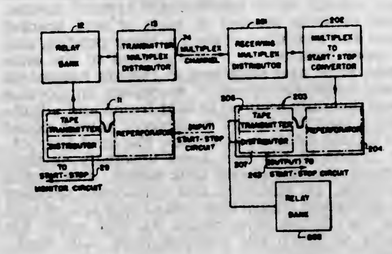
2,482,263
ROLLER BIT
John S. Goodwin, Whittier, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application November 20, 1945, Serial No. 629,881
6 Claims. (Cl. 255—71)

1. In a wall drilling bit including, a body, and a pair of tapered roller cutters carried by the body with their small ends opposed, each cutter having a plurality of spaced rows of teeth, the teeth of each row being pitched relative to the longitudinal axis of the cutter on which they occur and the row of teeth at the inner end of one cutter being wider than the row of teeth at the inner end of the other cutter and the row of teeth at the outer end of the first mentioned cutter being narrower than the row of teeth at the outer end of said other cutter, the teeth of the inner row of the first-mentioned cutter being pitched in a common direction opposite to the teeth of the inner row of said other cutter, the teeth of the last mentioned row being pitched



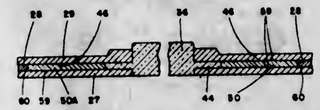
in a common direction, the teeth of the outer row of the first mentioned cutter being pitched in a common direction opposite to the teeth of the outer row of said other cutter, the teeth of the last mentioned row being pitched in a common direction.

2,482,264
TELEGRAPH SYSTEM
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 14, 1945, Serial No. 605,082
12 Claims. (Cl. 178—3)



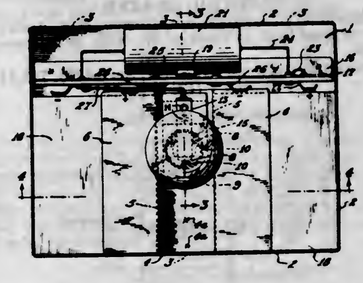
5. In a telegraph system including a transmitter and a receiver, code signal initiating means at said transmitter, means operating upon the initiation of a predetermined code signal to convert it to two code signals neither of which are the same, means operating upon the initiation by said code signal initiating means of a code signal similar to the first of said converted code signals to convert it to two code signals both of which are the same and are similar to the initiated code signal, means to transmit said code signals to said receiver, means at said receiver responsive to the received code signals, means to suppress the first of the code signals of said converted two code signals, means conjointly responsive to said two different code signals to cause the second code signal to be converted, and means conjointly responsive to said two same code signals to allow the second code signal to be unaltered.

2,482,265
GLAZED SYNTHETIC RESIN STRUCTURE
Desiré Gonda, Sittingbourne, England
Application February 23, 1945, Serial No. 579,428, which is a division of application Serial No. 371,837. Divided and this application August 2, 1946, Serial No. 687,810. In Great Britain December 27, 1939
1 Claim. (Cl. 154—43)



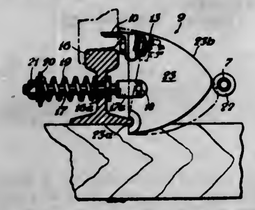
As a new article of manufacture, a glazed synthetic resin structure, comprising a plurality of at least three perforated fibrous sheets impregnated with a thermo-setting formaldehyde-condensation-product resin and rigidly bonded together by said resin in superposed relationship with the perforations thereof in alignment, a perforation of an inner one of said sheets being larger in area than the aligned perforations of sheets on opposite sides thereof, and a light-transmitting methyl methacrylate resin in said aligned perforations and extending within the peripheral portion of said larger perforation located between said other sheets, the resin of said sheets and within said perforations being set and hardened, and said light-transmitting resin being bonded to the resin of said sheets by the setting of both of said resins, the resin within said perforations constituting a window-like structure and the laminated structure surrounding the same constituting a support therefor.

2,482,266
BACK PANEL FOR FLASHER CASINGS OR THE LIKE
Robert R. Goshorn, Cincinnati, Ohio, assignor to Automatic Electrical Devices Company, Cincinnati, Ohio, a corporation of Ohio
Application February 11, 1947, Serial No. 727,789
3 Claims. (Cl. 177—329)



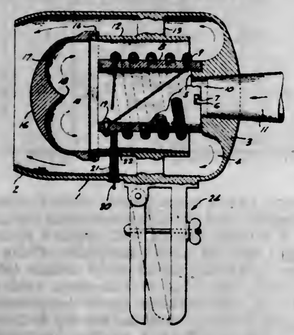
1. A back panel for a flasher casing consisting of a plate provided with flanged edges for attachment to a flasher casing, a U-shaped plate consisting of a base attached medially of the panel, extensions extending up at right angles from the base at each side edge of the base, said extensions having end portions formed outwardly at right angles, whereby said outwardly formed portions will allow sufficient spring for releasably securing flatwise a pair of dry batteries, one on one side and the other on the other side of the U-shaped plate.

2,482,267
DETECTOR BAR SWITCH LOCK
William R. Gracey, Jr., Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 12, 1948, Serial No. 7,737
3 Claims. (Cl. 246—151)



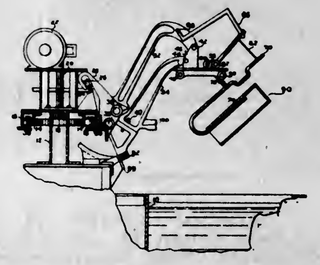
1. Railway switch operating apparatus including a track switch, a switch controlling device, a shiftable member extending generally parallel to a track rail adjacent the switch and connected to the switch controlling device for concurrent movement therewith, an abutment on the shiftable member extending toward the rail, an arm mounted for pivotal movement about an axis parallel to the rail and located between the track rail and the shiftable member adjacent said abutment, a wheel engaging member supported by the arm, said arm having an arcuate peripheral portion concentric with said axis and having a radius less than the distance between the axis and the shiftable member but greater than the distance between the axis and the abutment, and means biasing the arm to a position in which the wheel engaging member lies in the path of a vehicle wheel moving along the rail and said peripheral portion of the arm is out of the path of said abutment, said arm being rotated about its pivot upon engagement of said wheel engaging member by a vehicle wheel so as to move said peripheral portion into the path of said abutment and thereby lock the shiftable member and the switch controlling device.

2,482,268
ELECTRIC HEATER
Benjamin J. Graycarek, Manitowoc, Wis., assignor of one-half to George W. Noll, Manitowoc, Wis.
Application December 15, 1947, Serial No. 791,914
4 Claims. (Cl. 219—39)



1. An electric heater for heating a large volume, low pressure stream of air comprising a body portion having an outer shell and an inner shell spaced from said outer shell to provide a discharge passageway for heated air, an electric heater having a central tubular body portion and a heating element on the outer side of said tubular body portion, said electric heater being located within said inner shell and spaced from said inner shell, means for directing a current of air successively forwardly through said central tubular body portion, rearwardly over and in direct contact with the heating element between the heater and the inner shell, and forwardly and outwardly between said inner and outer shells.

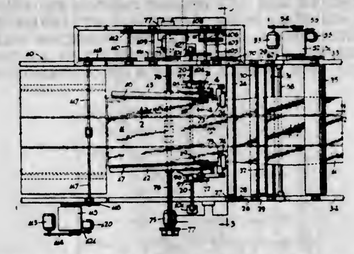
2,482,269
TILTING WORKPIECE SUPPORT, ESPECIALLY FOR USE WITH PROCESSING EQUIPMENT FOR CONTAINERS
George J. Grimes, Kankakee, Ill., assignor to Frederic B. Stevens, Inc., Detroit, Mich., a corporation of Michigan
Application February 25, 1946, Serial No. 650,098
5 Claims. (Cl. 134—160)



3. In a processing machine; tank means; track means adjacent said tank means; a plurality of bracket means slidable on said track means and power means for so moving said bracket means; a pair of arms pivoted in each of said bracket means and movable between a lower position and an upper position; a frame pivoted to the ends of said arms and arranged to remain horizontal as said arms are lifted; a workpiece supporting means pivotally secured to said frame and adapted for supporting hollow workpieces having closed ends in said solution and below the level thereof; cam means to tilt said arms upwardly as they approach the end of said tank means; and means comprising an auxiliary link connected between said workpiece supporting means and one of said arms for tilting said means as said arms lift thereby to drain the solution from said workpieces.

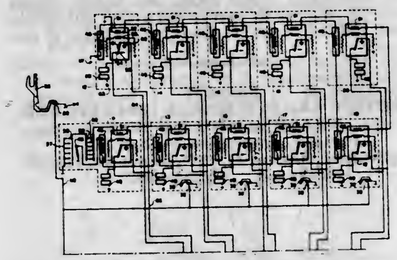
2,482,270
TENTERING MACHINE
James A. Grundy, Philadelphia, Pa., assignor to John Bromley & Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 11, 1947, Serial No. 768,037
8 Claims. (Cl. 26—57)

4. In tentering machine construction, a continuous feed control system comprising a driven padder roll, a first variable speed unit connected to said padder roll having speed regulating means, an electric motor operatively controlling said speed regulating means on the first variable speed unit, a tenter frame, a power driven feed roll for said tenter frame, a second variable speed unit connected to said feed roll and having speed regulating means, an electric motor operatively controlling said speed regulating means on the second variable speed unit, means for driving the tenter frame from said second variable speed unit, a main driving motor for each of said variable



speed units, and a single electrical switch so connected to start both main driving motors simultaneously.

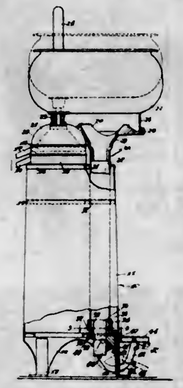
2,482,271
PRINTING ARRANGEMENT FOR MERCHANDISING CONTROL SYSTEMS
Ralph H. Halvorsen, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 775,290
4 Claims. (Cl. 178—2)



1. In combination, a signal line, a plurality of printers connected thereto, each of said printers provided with a line feed function lever and an electrical contact associated with each of said levers, a rotary switch device, and means for controlling the recording of fixed and variable messages on said printers, said means comprising a first relay control means conditioned for operation by said switch device for determining the number of printers to be operated simultaneously to record fixed messages, and a second relay control means activated upon each operation of said contact by said line feed function lever for operating said printers sequentially under the control of said first relay means to record variable messages.

2,482,272
CENTRIFUGAL SEPARATOR WITH MOVABLY SUPPORTED SUPPLY CAN THEREFOR
William H. Harstick, Oak Park, and Otto E. Hintz, Jr., Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 24, 1946, Serial No. 678,864
6 Claims. (Cl. 233—1)

1. A centrifugal separator comprising a housing structure having a base portion, a separating bowl mounted for rotation on said housing structure, a supply can positioned above said separating bowl, a discharge nozzle on said supply can, said nozzle being normally in alinement with said separating bowl for supplying liquid to be treated thereto, a support for said supply can, said support including a vertical tubular element connected to said housing for vertical movement, a bearing member connected to the lower end of said tubular element for rotatably supporting said tubular element on said base portion, an



opening formed in said base portion, a thrust member connected to said tubular member and projecting through said opening, a treadle member connected to said base portion for engaging said thrust member, said treadle member being operable to raise said tubular element and said supply can, and latching means between said treadle member and said housing structure for latching said supply can in its raised position.

2,482,273
ERASER FOR PENCILS
Carl C. Harris, Orange, Mass., assignor to The Slencil Co., Orange, Mass., a corporation of Massachusetts
Application October 9, 1945, Serial No. 621,187
1 Claim. (Cl. 120—38)

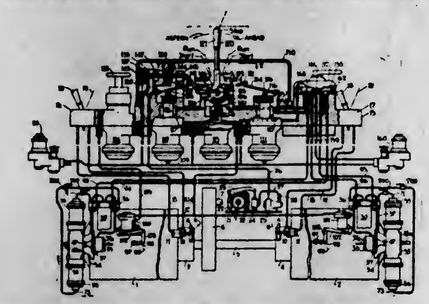


An article of manufacture comprising a pencil having at one end flat converging surfaces lying in planes meeting in a line which is in the plane of the central axis of the pencil, and an eraser recessed to conform to the converging surfaces of said pencil and adhesively secured thereto along said converging surfaces.

2,482,274
CONTROL APPARATUS
Ellis E. Hewitt, Edgewood, and Arthur G. Larson, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application September 3, 1943, Serial No. 501,062, now Patent No. 2,454,509, dated November 23, 1948. Divided and this application June 20, 1944, Serial No. 541,218
5 Claims. (Cl. 60—97)

3. In combination, two reversible prime movers, an operator's control lever having a stop position

for stopping said prime movers, a start position for starting said prime movers in one direction, a run position in which it is carried after said prime movers are started in said one direction, another start position for starting said prime movers in the reverse direction and another run position in which said lever is carried after starting of said prime movers in said reverse direction, selector means operative to render either prime



mover responsive and the other non-responsive to operation of said lever, or to render both prime movers responsive in unison, braking means for braking said prime movers, brake control means operable by said lever in its start positions to effect operation of said braking means to brake said prime mover, and means operable upon movement of said lever to its run positions to effect operation of said brake control means to render said braking means ineffective.

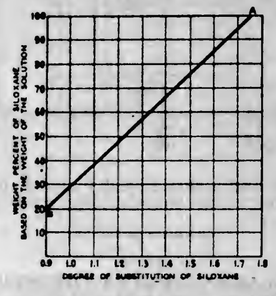
2,482,275
ELECTRICAL DISCHARGE DEVICE
Caperton B. Horsley, Stamford, Conn., assignor to Machlett Laboratories, Inc., Springdale, Conn., a corporation of Connecticut
Application November 26, 1945, Serial No. 630,812
27 Claims. (Cl. 250—145)



21. An electron discharge tube which comprises an evacuated envelope, an anode within the envelope having a substantially flat face, means within the envelope lying substantially entirely outside any hemisphere subtended by the plane of said face for emitting a hollow beam of electrons traveling into the hemisphere, and means forming part of the wall of the envelope for deflecting the electrons and causing them to strike the anode face.

2,482,276
PREPARATION OF THERMOPLASTIC POLYSILOXANES
James Franklin Hyde and William Herbert Daudt, Corning, N. Y., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
Application October 27, 1948, Serial No. 56,900
8 Claims. (Cl. 260—46.5)

1. A method of preparing a thermoplastic organo polysiloxane in which the organic radicals are selected from the group consisting of methyl and aryl radicals, said polysiloxane containing at least 0.1 per cent by weight hydroxyl radicals and having a degree of substitution of between 0.9 and 1.77 organic radicals per silicon atom and there being at least one aryl radical per 20 silicon atoms, which method comprises maintaining the polysiloxane in solution in an inert solvent, said solution having a concentration less

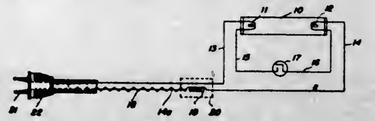


than 2(45 D—30) per cent by weight of the polysiloxane based on the weight of the solution, where D is the degree of substitution of the siloxane, at a temperature between 30° and 250° C., with an alkali metal hydroxide in amount of from one alkali metal atom per 10,000 silicon atoms to one alkali metal atom per 50 silicon atoms, until a hydroxyl-free polysiloxane is obtained.

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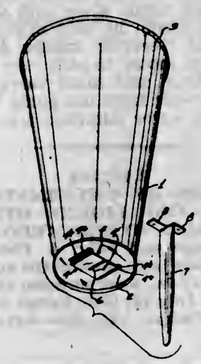
2,482,277
ELECTRIC ARC DISCHARGE CIRCUITS FOR ILLUMINATING DEVICES
Carlos L. Jauss, New York, N. Y.
Application January 17, 1947, Serial No. 722,597
6 Claims. (Cl. 315—283)



1. Ballast means for an electrical gaseous discharge device including line conductors for feeding alternating current to the device, said ballast means comprising a resistance extended along a substantial length of at least one of said line conductors so as to dissipate any heat generated thereby over an extended area, and an air core inductance, both said resistance and said air core inductance adapted to be connected in an electrically series relationship with said device, said line conductors supporting said air core inductance by extending through the core thereof, the ohmic value of said resistance greatly exceeding the ohmic value of said inductance when said alternating current is flowing through said series related elements.

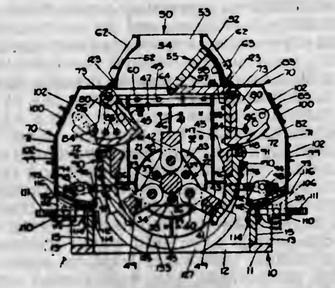
2,482,278
VASE
William E. Koerner, St. Louis, Mo.
Application January 29, 1947, Serial No. 724,976
3 Claims. (Cl. 248—156)

1. A supporting structure comprising a member shaped to provide a space within said member, and a stake provided with a pair of extensions at an end thereof which are extended laterally in opposite directions and are removably disposed in said space within said member, said member being provided with a slot which re-



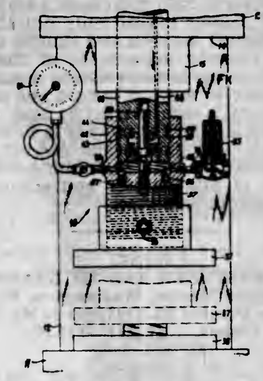
ceives a portion of said stake that is located immediately adjacent to said extensions of said stake.

2,482,279
REVERSIBLE CRUSHER WITH PIVOTALLY ADJUSTABLE CHUTE AND BREAKER PLATES
Alexis W. Lemmon, Upper Arlington, and Orval R. Strawn, Columbus, Ohio, assignors, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application November 5, 1945, Serial No. 626,772
3 Claims. (Cl. 241—186)



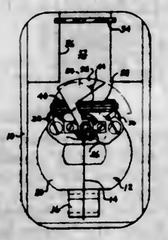
1. A reversible reducing apparatus having a reducing chamber, a feed chute including a combination deflector and breaker plate pivotally mounted therein having similar walls extending radially from a pivoted axis at an angle to each other, said combination deflector and breaker plate being adjustable to bring the angular walls selectively into deflecting and breaker plate operating positions, similar combination deflector and breaker plate means forming opposite wall portions of said reducing chamber, and means for swinging either of said second named combination breaker plate means to a position to direct material deflected by said first named combination deflector and breaker plate toward the center of the reducing chamber while the other acts as a breaker plate and vice versa depending upon the direction of operation of the reversible reducing apparatus.

2,482,280
SHOCK CUSHIONING PNEUMATIC PRESS
Stephen Lerma, Flushing, N. Y.
Application January 12, 1948, Serial No. 1,831
2 Claims. (Cl. 113—45)



1. In a multi-stage impact cushioning press having an air pressure cylinder, a piston slidable in said cylinder and comprising a plunger extending through one end of the cylinder, said plunger having a cup-shaped extension member slidably mounted at its lower end while retained thereon against disengagement, a compression spring in a chamber formed between said extension member and the lower end of said plunger and exerting pressure against the lower face of said plunger, said spring limiting the impact of said extension member on the work, a spring-closed inlet valve slidably mounted in said plunger, means in said extension member adapted to open said inlet valve upon substantial compression of said first named spring, said valve when open admitting air under pressure from said cylinder to said chamber to cause controlled pneumatic pressure impact on the work, a pressure relief valve communicating with said chamber, an impact head on the extension member arranged to contact the lower face of said plunger after the inlet valve has been opened, and means for closing communication between the relief valve and the chamber just before the impact head engages the plunger.

2,482,281
EXPOSURE METER HAVING ADJUSTABLE INTERCONNECTED PHOTOCELL SHUTTER AND POINTER BIASING MEANS
Frederick J. Lingel, Bluffton, Ohio, assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio, a corporation of Ohio
Application October 11, 1947, Serial No. 779,330
4 Claims. (Cl. 88—23)



1. In an exposure meter; a case, an electrical movement including a coil and a pointer carried thereby mounted in said case, a photovoltaic cell

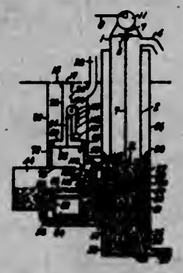
mounted in said case and connected with said coil, an opening in said case through which light passes to said cell, a shutter mounted in said case and on said movement and movable for varying the area of the cell exposed to said opening, a biasing spring in said movement adjustable for biasing said pointer toward null indicating position, a connection between said shutter and biasing spring whereby adjustment of the former will also adjust the latter, resilient means acting on said shutter to move it toward one of its extreme positions, a cam carried by said case and engaging said shutter for moving it in the opposite direction, and dial means carried on said case and connected with said cam for effecting adjustments of said shutter and spring means from externally of said case.

2,482,282
LINE FASTENER AND TIGHTENER
Bradford Martin, Washington, Pa.
Application October 23, 1947, Serial No. 781,611
2 Claims. (Cl. 211—119.15)



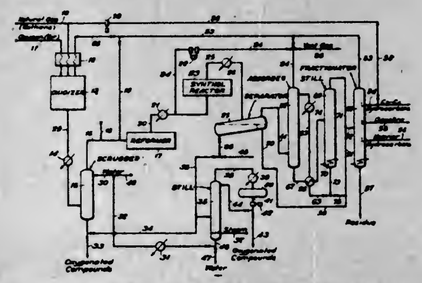
2. A line holder and tightener comprising a shaft, means for rigidly connecting the shaft to a support, sleeves rotatably mounted on the shaft, pins extending through the shaft and abutting the ends of the sleeves, a finger on each sleeve, for holding a line and serving as a handle for rotating the sleeve, and a hole through each sleeve and the shaft, receiving a pin for releasably holding the sleeve against rotation, the said finger extending crosswise of the sleeve and being welded intermediate its ends, to one side of the sleeve.

2,482,283
WATER SERVICE APPARATUS
John T. McGarry, Cincinnati, Ohio; Mary Frances McGarry, executrix of said John T. McGarry, deceased, assignor to Railroad Products Company, Cincinnati, Ohio, a corporation of Ohio
Application February 10, 1944, Serial No. 521,827
16 Claims. (Cl. 137—13)



1. In water service apparatus, casing means, a main valve in said casing means, a main in water-delivering relation to said casing means, a riser in water-receiving relation to said casing means, said main valve being operative to permit or prevent flow from the main to the riser, a reservoir in water-receiving relation to said riser, a second valve operative to permit or prevent flow from the riser into the reservoir alternative with the flow from the main to the riser and invariably operative to prevent flow from the main directly to the reservoir, a motor, means admitting water from the space between the two valves into said motor when said main valve is open, a pump driven by said motor, having an inlet from said reservoir, means for admitting water from said motor to said riser beyond said second valve from said main valve, and means for admitting water from the pump into the riser along with the water admitted from the motor.

2,482,284
PRODUCTION OF OXYGENATED COMPOUNDS AND LIQUID HYDROCARBONS FROM HYDROCARBON GASES
Vesta F. Michael and John A. Phinney, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application July 18, 1945, Serial No. 605,656
6 Claims. (Cl. 260—449)

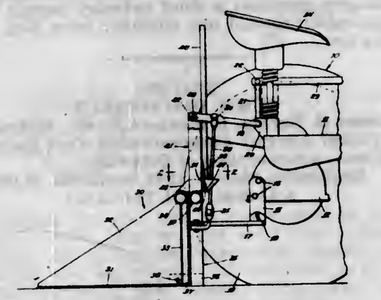


1. The process for converting gaseous hydrocarbons into useful products which includes the steps of partially oxidizing the gaseous hydrocarbons at a temperature of between about 600 and 1000° F. to produce oxygenated compounds, residual gaseous hydrocarbons, and carbon monoxide, recovering oxygenated compounds from the product stream, reacting the residual gaseous hydrocarbons with an oxidizing gas to produce hydrogen and carbon monoxide, contacting the hydrogen and carbon monoxide mixture with a hydrocarbon synthesis catalyst to produce higher molecular weight hydrocarbons and oxygenated compounds, cooling the synthesis product and recovering a normally gaseous hydrocarbon fraction, a liquid hydrocarbon fraction, and a water fraction including oxygenated compounds, recovering oxygenated compounds from said water fraction to produce a residual lean water fraction, absorbing oxygenated compounds from said partial oxidation in at least a part of said water, supplying the rich absorber water to said oxygenated product recovery step, and supplying at least a portion of said normally gaseous hydrocarbons to said partial oxidation step.

2,482,285
DIOLEFIN-STYRENE-ALKENYLETHYNYL-CARBINOL TRIPOLYMERS
Charles J. Mighton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1944, Serial No. 536,027
8 Claims. (Cl. 260—80.7)

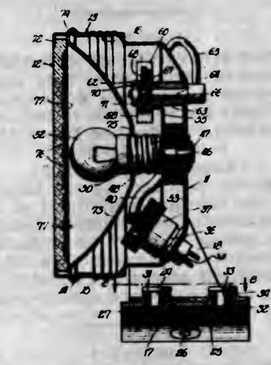
1. A rubber-like material obtained by polymerizing in an aqueous emulsion a mixture of polymerizable compounds consisting of 75% of 1,3-butadiene, 20% of styrene, and 5% of dimethyl(ethenylethynyl) carbinol.

2,482,286
TRACTOR-MOUNTED MATERIAL SCOOP
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 22, 1946, Serial No. 711,730
12 Claims. (Cl. 214—140)



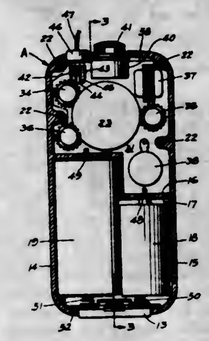
1. In combination, a tractor, a draw-bar, a lifting arm on said tractor, means connecting said lifting arm to said draw-bar, a quick detachable material handling implement including a scoop, a vertical member having laterally spaced shoulder portions engaging complementary edges of said draw-bar in free telescoping relation to restrain relative lateral and longitudinal forward movement between said member and said draw-bar, and means pivotally connecting said vertical member to said lifting arm, said means providing a single point of connection for said ground working implement, whereby said implement may be quickly attached and detached from said tractor.

2,482,287
HEADLIGHT LANTERN
Charles S. Packer, Chicago, and Marvin R. Olsen, Glen Ellyn, Ill., assignors to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 11, 1945, Serial No. 621,750
5 Claims. (Cl. 240—41)



1. In a portable lantern, the combination with a base member adapted to be strapped to a person's wrist, of a substantially cylindrical lamp casing having a rear wall and being rotatably supported on the base member for movement on a diametrical axis, a lamp socket located within the casing centrally thereof, a positive and a negative terminal extending laterally and on opposite sides of the lamp socket, means fixedly securing said lamp socket and terminals to the rear wall of the casing, switch mechanism also located within the casing and including a movable switch member, said movable switch member having electrical connection with one of said terminals, an actuating disc for moving said switch member into contact with the lamp socket, and an actuating lever located exteriorly of the rear wall for actuating said disc.

2,482,288
WEARABLE ELECTRONIC HEARING AID HAVING THE AMPLIFIER AND THE BATTERIES CONTAINED IN A COMMON CASING
Sam Posen, Chicago, Ill., assignor to Beltone Hearing Aid Co., Chicago, Ill., a corporation of Illinois
Application March 17, 1944, Serial No. 526,877
4 Claims. (Cl. 179—107)



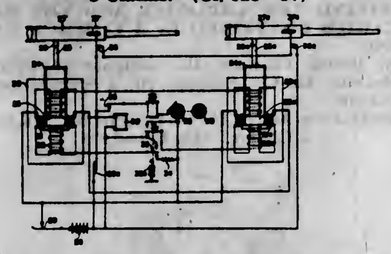
1. In a wearable hearing aid of the kind wherein a microphone, an electron tube amplifier having midget tubes and power supply batteries for said amplifier are all enclosed in a flat casing small enough to be worn in an ordinary garment pocket and wherein said microphone and said amplifier are mounted on a panel dividing lengthwise the upper portion of said casing and said batteries are housed in the lower portion of said casing, the combination of a casing having a relatively fixed front wall extending over the entire height of said casing and a back wall composed of an upper back cover and a lower back cover, said two back covers being separately openable relative to said front wall and said lower back cover being supported on a hinge so as to be readily openable without the aid of tools, with the arrangement of said microphone and some of the amplifier elements on that side of the panel which faces said front wall and of the other amplifier elements, including said tubes, on the part of said panel facing said upper back cover.

2,482,289
REACTIVATING A COPPER CATALYST BY TREATING WITH SODIUM CHLORIDE SOLUTION
Wesley William Riches, Newport, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 29, 1947, Serial No. 725,154
6 Claims. (Cl. 252—412)

1. A method for reactivating a copper contact mass and removing metal chloride contaminants therefrom which comprises subjecting said mass to the action in the absence of appreciable

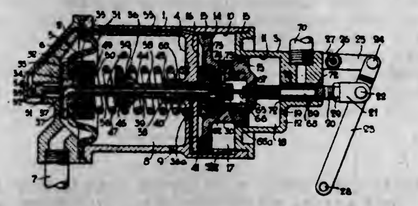
amounts of oxygen of a solution of sodium chloride, at a concentration of at least 200 g./l. NaCl until said chloride contaminants are dissolved in said solution, and then drying the purified mass prior to reuse.

2,482,290
IMPULSE MOTOR SYNCHRONIZING SYSTEM
Herbert C. Roters, Kew Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application January 6, 1947, Serial No. 720,446
5 Claims. (Cl. 318—37)



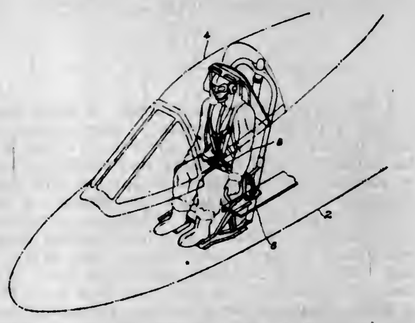
1. An impulse motor synchronizing system adapted to synchronize the operation of a plurality of impulse motor-operated devices comprising, a plurality of impulse motors each adapted to operate one of said devices, each of said motors including an armature winding adapted to be impulse-excited, and reciprocable means responsive to the excitation of said winding, a common circuit for impulse-exciting all of said armature windings simultaneously, and a plurality of control means for said common circuit, each of said control means being connected for operation by one of said motor-operated devices, whereby excitation of said armature windings is delayed until all of said devices assume a pre-operating condition.

2,482,291
FLUID PRESSURE MOTOR
John W. Rush and Arthur J. Bent, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application August 31, 1944, Serial No. 552,110, now Patent No. 2,413,280, dated December 31, 1946. Divided and this application August 4, 1945, Serial No. 608,930
4 Claims. (Cl. 137—153)



1. A fluid motor comprising a casing, an axially movable member disposed in said casing, means supporting said member against sidewise movement, valve means in said casing arranged for control by said member and operable upon movement of said member in one direction to supply fluid under pressure from one chamber to another chamber, flexible diaphragm means disposed in said casing in coaxial relation with said member, strut means connecting said diaphragm means and member, said diaphragm means being deflectable by fluid under pressure supplied to a third chamber to move said member in said one direction, said strut means comprising a link, and ball and socket-like means connecting opposite ends of said link to, respectively, said diaphragm means and member, said diaphragm means, link and member having cooperating passages provided a fluid pressure supply communication to said one chamber from said third chamber.

2,482,292
QUICK DISCONNECT
Jerome R. Sabbia, Bridgeport, Conn., assignor to United Aircraft Corporation of East Hartford, Conn., a corporation of Delaware
Application May 13, 1948, Serial No. 26,902
6 Claims. (Cl. 244—122)



1. In a quick disconnect mechanism for releasably connecting pilot carried equipment with supply lines in an aircraft, a base rigidly attached to the aircraft and connected to said supply lines, a pedestal mounted on said base for interconnecting said supply lines to said pilot's equipment, cooperating detent means on said base and pedestal for releasably holding said base on said pedestal including a reciprocable latch member on said base, and cam mechanism carried by said base for releasing said detent means.

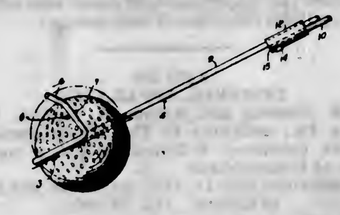
2,482,293
VULCANIZED POLYMERS OF CHLOROPRENE
Paul A. Sanders, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 6, 1947, Serial No. 746,315
3 Claims. (Cl. 260—41.5)

1. Chloroprene polymers having improved resistance to the deteriorating effects of heat and light, having incorporated therein, based on 100 parts of the polymer, from 1 to 50 parts of zinc oxide and from 0.01 to 5 parts of an alkali metal salt of an aliphatic polyhydroxythiol which contains at least 5 and not over 6 carbon atoms.

2,482,294
GOLF BALL RETRIEVER
William C. Sander, Parma, Ohio
Application December 2, 1946, Serial No. 713,423
5 Claims. (Cl. 294—19)

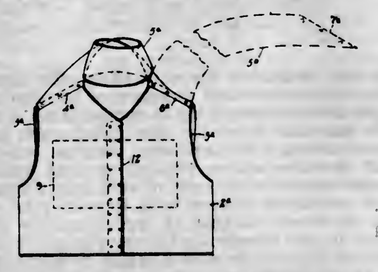
5. A golf ball retriever embodying a straight steel wire bent at one end to form an open, yieldingly expansible loop with a diameter slightly less than the diameter of a golf ball, and an upward extension dimensioned and bent to form a stopping means for a golf ball extended more than

half through said open loop, a second straight steel wire bent at one end to form an elongated loop-shaped handle, and clip members attached to the respective straight steel wires and coupled with the other respective steel wires to slidably couple the wires at spaced points with each other



and provide the golf ball retriever with an extensible handle member, and releasable locking means on said elongated, loop-shaped handle cooperating with one of said clip members in preventing shifting of said straight wires when the handle member is in unextended position.

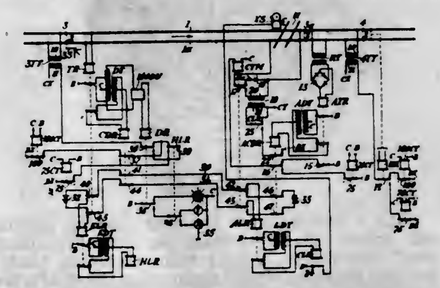
2,482,295
GARMENT
Ely Schlafman, Cleveland Heights, Ohio
Application June 26, 1946, Serial No. 679,519
3 Claims. (Cl. 2—92)



1. A garment of the character described, comprising undergarment means for enveloping the neck and chest portion of the body selectively above the waist-line including front and back panels and a neck wrapping extension thereon, fastening means on each shoulder for holding parts of the garment together, and a sac extending across the center on the inside wall of the chest-envelope having a vertical central opening with overlapping closure flaps.

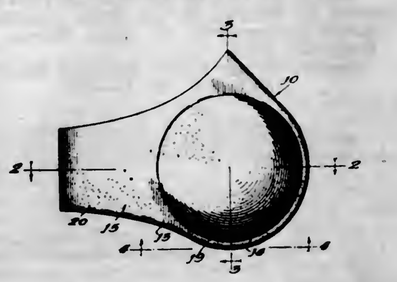
2,482,296
RAILWAY SIGNALING APPARATUS
Charles B. Shields, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 11, 1946, Serial No. 715,460
9 Claims. (Cl. 246—130)

2. In a coded track circuit system of railway signaling for a stretch of railway track in which traffic normally operates in a given direction, in combination, a section of railway track in said stretch, a track relay at the entering end and a code transmitting relay at the opposite end of said section, means for operating said code transmitting relay alternately between a first and second position at a rate dependent upon traffic conditions in the stretch in advance of said section, means controlled by said code transmitting relay for alternately energizing and deenergizing the track rails of said section in step with the operation of said code transmitting relay for operating said track relay alternately between a first and second position in synchronism with said code transmitting relay when said section is vacant, two line wires extending between the ends of said section, a first battery and a first relay at the entering end of said section and a second battery and a second relay at the opposite end



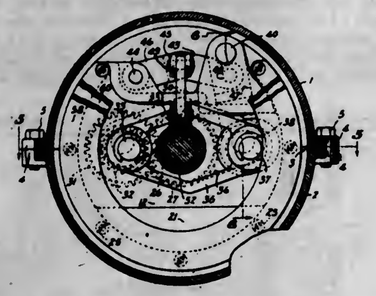
of said section, means governed by traffic in said section for connecting said first battery in circuit with said second relay over said two line wires when said track relay and said code transmitting relay are in corresponding first positions, and means governed by traffic in said stretch in advance of said section for connecting said second battery in circuit with said first relay over said two line wires when said track relay and said code transmitting relay are in corresponding second positions.

2,482,297
SURGICAL BREAST PAD
Abe Silverman, Chicago, Ill.
Application December 30, 1947, Serial No. 794,552
4 Claims. (Cl. 2—267)



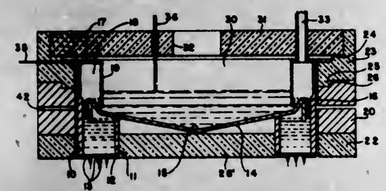
1. A foam rubber surgical breast pad adapted to be worn inside a brassière by women who have had a breast removed surgically, including a substantially conical substitute breast body portion adapted to fit into and be worn inside the breast cup of a brassière, and including a laterally projecting tongue formed as an integral extension of the said body portion, said tongue being of substantially uniform thickness throughout its extent and curved slightly rearwardly from its inner end to its outer end relative to the body portion and terminating in a substantially straight marginal edge so that the said laterally projecting tongue will fit that area of the body of the wearer which is below the underarm and from which tissue has been removed as an incident to the removal of the breast.

2,482,298
TRANSMISSION
George H. Stegkamper, Parma, Ohio
Application September 5, 1947, Serial No. 772,449
8 Claims. (Cl. 74—773)



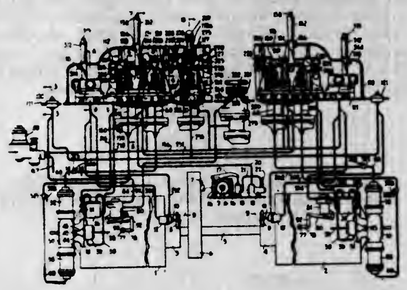
1. In a transmission structure having driving and driven shafts, a cage structure rotatable about the shafts, a gear train including planet and sun gears drivingly connecting the shafts for rotation at different speeds, a pair of rods and means drivingly connecting the same to a planet gear of the gear train, a shaft carried by the cage and arranged for bodily shifting movement laterally, eccentric means on said shaft having connection with the rods for reciprocation of the rods in unison upon actuation of the eccentric means to rotate said shiftable shaft in one position of such shaft, and means for shifting the shiftable shaft for locking the rods against actuation, thereby stopping rotation of the planet gear and locking the gear train and causing the latter and the cage to rotate bodily with the driving and driven shafts and establishing a direct driving connection between said driving and driven shafts.

2,482,299
MELTING AND DRAWING CRUCIBLE
Charles R. Stevens, Toledo, Ohio, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio
Application May 1, 1946, Serial No. 666,254
13 Claims. (Cl. 49—53)



5. A melting and drawing crucible comprising, inner and outer annular walls connected by transverse walls extending therebetween to thereby form a chamber closed at the top and bottom thereof, the lower one of said transverse walls having a plurality of orifices therein through which molten material may be exuded, a circular wall member extending transversely of said inner wall intermediate of said transverse walls and having a peripheral edge thereof positioned within the space between said inner and outer walls, said inner wall and said member forming a chamber to receive materials to be melted therein, passage means through said inner wall at the juncture between the said wall and said circular member for material flow from said melting chamber into said drawing chamber over said edge of said member, said edge of said member being positioned at a level above said passage means to provide a pool of molten material between said edge and said inner wall to form a fluid seal between said drawing chamber and said melting chamber, and a high frequency induction coil encircling said outer wall substantially opposite said edge of said member.

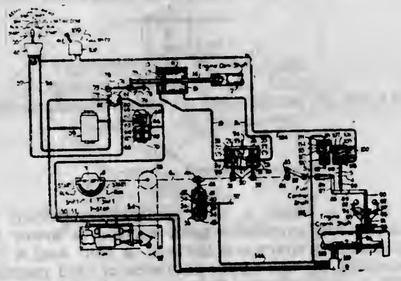
2,482,300
CONTROL APPARATUS
Roy R. Stevens and Arthur G. Larson, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 14, 1943, Serial No. 494,612
23 Claims. (Cl. 60—97)



1. An apparatus for controlling the starting and running in either direction of two reversible prime movers comprising in combination, a manually movable lever for controlling each prime mover having a forward start position, a reverse start position and a neutral or stop position, means controlled by each of said levers operable upon movement thereof to its forward start position to effect starting of the respective prime mover in one direction and operable upon movement to its reverse start position to effect starting of the respective prime mover in the reverse direction and operable upon movement to its stop position to effect stopping of the respective prime mover, a shaft secured for rotation with each of said levers, the two shafts being disposed in coaxial relation, and means arranged to connect the two shafts including a plurality of disk sectors arranged for interengagement and of such circumferential length as to allow relative movement between the two levers in opposite directions a distance equal at least to that between either start position and stop position of either lever but less than the distance between the two start positions of either lever and also providing for relative movement of both levers in the same direction to corresponding positions.

9. An apparatus for controlling the stopping, starting and running of a prime mover comprising actuating means having a stop position for stopping said prime mover and a position providing for running of said prime mover after starting, manually controlled means for controlling the positioning of said actuating means comprising a manually movable lever having stop, start and run positions corresponding to the positions of said actuating means and being operable upon movement to either one of its different positions to effect corresponding positioning of said actuating means, and means operable upon release of manual pressure on said lever in its start position to effect movement thereof to its run position.

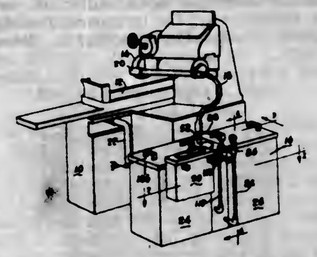
2,482,301
CONTROL APPARATUS FOR REVERSIBLE INTERNAL-COMBUSTION ENGINES
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 29, 1945, Serial No. 602,255
13 Claims. (Cl. 123—41)



1. An apparatus for controlling the direction of operation of a reversible engine and for also controlling the supply of fuel to said engine comprising in combination, a first control pipe, a second control pipe, operator's control means selectively operable to supply fluid under pressure to either one of said pipes and to at the same time open the other pipe to atmosphere, reversing means conditionable in response to fluid under pressure supplied to said first pipe to condition said engine for operation in one direction and conditionable in response to fluid under pressure supplied to said second pipe to condition said engine for operation in the opposite direction, starting means operable to initiate starting of said engine in either direction, fuel cut-off means operable by fluid under pressure to cut-off the supply of fuel to said engine, means operable upon release of fluid under pressure from said fuel cut-off means to effect a supply of fuel to said engine, and directional control means arranged to respond to direction of operation of said engine and comprising means operable upon starting of said engine in said one direction to close communication between said first pipe and said fuel cut-off means and to open communication between said fuel cut-off means and said second pipe and operable upon starting of said engine in said opposite direction to open the first named communication and to close the second named communication.

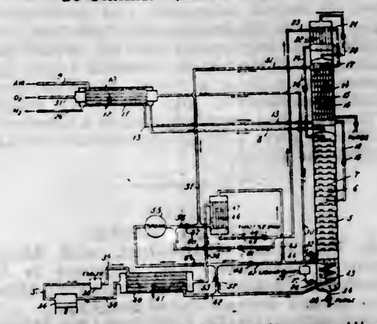
2,482,302
FILTERING SYSTEM
Otto M. Summers, Glasgow, Ky., assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application April 25, 1946, Serial No. 664,919
13 Claims. (Cl. 210—190)

1. In a filter; a pair of units each comprising a tank having a transverse apertured partition therein, the partition of the first tank having a greater elevation than the partition of the second tank; a filter bag in each tank suspended at its open end from the partition at the periphery of the aperture therein; a conduit connecting one of the tanks exteriorly of its bag and beneath the partition therein with the interior of the bag of the other of the tanks above the partition therein; a pump having its inlet connected with said other tank exteriorly of the bag and beneath the partition therein and adapted for discharging to a work station; a fluid inlet discharging from a work station into said first tank above the partition therein; a sump and means for selectively connecting and disconnecting said sump with the lowermost part of at least one of said



tanks; a third tank having a filtering element therein; and conduit means connected to convey fluid from the sump through said third filtering element and into said first tank above the partition therein.

2,482,303
SEPARATION OF THE CONSTITUENTS OF AIR
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1944, Serial No. 517,536
10 Claims. (Cl. 62—175.5)

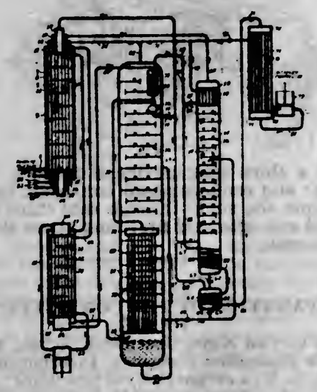


1. The method of separating the constituents of atmospheric air by liquefaction and rectification which comprises maintaining a closed nitrogen cycle, compressing air without contaminating the same with lubricant, subjecting the air to liquefication by indirect heat exchange with liquid nitrogen of the nitrogen cycle and subsequently to rectification to separate liquid oxygen and a gaseous effluent, compressing nitrogen of the closed nitrogen cycle to a relatively low pressure, expanding a portion of the compressed nitrogen to a lower pressure with external work, liquefying the other portion of the compressed nitrogen by indirect heat exchange with the expanded portion and thereby supplying the liquid nitrogen utilized in the liquefaction of the air.

2,482,304
RECOVERY OF THE CONSTITUENTS OF GASEOUS MIXTURES
Claude C. Van Nuys, Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1946, Serial No. 714,190
10 Claims. (Cl. 62—175.5)

1. The method of recovering the constituents of gaseous mixtures including principally hydro-

gen and nitrogen with substantial proportions of the atmospheric rare gases which comprises cooling a compressed gaseous mixture with resultant formation of a condensate including constituents less volatile than hydrogen, collecting said condensate, withdrawing the hydrogen, rectifying the condensate to separate nitrogen in the gaseous



phase from a liquid including the less volatile constituents and subjecting the liquid to an auxiliary rectification to separate argon in the gaseous phase from a liquid including the less volatile constituents, and selectively evaporating from the last mentioned liquid a more volatile fraction to leave a liquid concentrate containing krypton and xenon.

2,482,305
CLAMPED SWITCH
Boris Volgovskoy, Wauwatosa, and Allan C. Halter, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 22, 1945, Serial No. 600,988
10 Claims. (Cl. 200—162)



6. In a circuit maker and breaker, a pair of contacts movable into and out of mutual engagement for making and breaking a circuit, a shaft extending through one of said contacts, a shoulder on said shaft, a member threaded on said shaft, a resilient member, and means including said shoulder on said shaft and said threaded member for clamping one of said contacts between said resilient member and said shoulder for relative movement of said contacts and for clamping said contacts between said resilient member and said threaded member against relative movement of said contacts.

2,482,306
TILTING CHAIR
John J. Waldheim, Chicago, Ill., assignor to Bartelsoci & Waldheim, Chicago, Ill., a copartnership consisting of Edgar Bartelsoci and John J. Waldheim
Application September 1, 1944, Serial No. 552,294
3 Claims. (Cl. 155—69)



1. In a chair, a pair of laterally alined side supporting members each having a lower surface and a rearward surface, a seat and a back mounted on the upper surfaces of said members, and means defining flats on said lower and rearward surfaces whereby a sitting position and a reclining position are provided, the center of gravity of the chair being such that the chair is in stable equilibrium both in sitting and reclining positions.

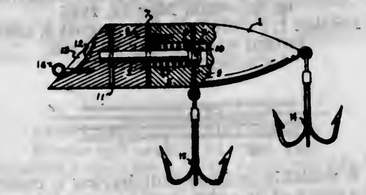
2,482,307
PROCESSING OF SYNTHETIC ELASTOMER LATICES
Herbert W. Walker, Woodstown, N. J., and Raymond W. Morrow, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1945, Serial No. 594,598
5 Claims. (Cl. 260—92.3)

1. In the process for driving off volatile materials from synthetic elastomer latices prepared by emulsion polymerization of monomeric material comprised of at least 50% of a butadiene-1,3 compound in which foaming of the latex normally occurs, the step which comprises incorporating with the latex an aqueous emulsion of a water immiscible organic solvent solution of a stable polymeric dimethyl silicone of the class consisting of dimethyl silicone oils and greases in which the emulsion particles are at least 2 microns in size and the amount of the polymeric dimethyl silicone added being equal to from 0.002% to 0.1% of the weight of the elastomer in the latex.

2,482,308
CATALYST PREPARATION
Christian J. Wernlund, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1947, Serial No. 730,210
1 Claim. (Cl. 204—40)

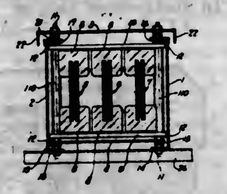
The process of producing a catalytic structure particularly suitable for the decomposition of hydrogen peroxide which comprises cathodically electrodepositing manganese on an iron support by plating for a period of one to two hours with graphite anodes from an aqueous plating bath containing 200 to 300 grams per liter manganese acetate quadrihydrate, 150 to 210 grams per liter ammonium acetate and 1.5 to 3.0 grams per liter ammonium hydroxide, and then cathodically electrodepositing manganese dioxide on said manganese surface by plating for a period of at least 30 minutes with steel anodes from an aqueous electrolytic plating solution prepared by dissolving 100 to 140 grams per liter potassium carbonate and 8 to 30 grams per liter potassium permanganate in water, and passing an electric current for a period of one to three hours through said solution with iron anodes and cathodes to produce potassium manganate in the solution.

2,482,309
ARTIFICIAL FISH LURE
Earl E. Wilson, Detroit, Mich.
Application September 11, 1945, Serial No. 615,617
6 Claims. (Cl. 43—42.22)



1. An artificial lure comprising a body-forming member, a head-forming member having a front face diagonally inclined to the axis of the lure, a stud disposed substantially at said axis and fixed in one of said members, the other member having a socket receiving said stud, a spring coiled on said stud and yieldably maintaining an abutting relation of said members, and an element rigidly carried by the socket-forming member and normally coacting with the stud to resist relative rotation of the two members, and disengageable from the stud by a separative actuation of said members.

2,482,310
BUS DUCT
Frank Adam, Huntleigh Village, Mo., assignor to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application December 5, 1946, Serial No. 714,278
3 Claims. (Cl. 174—99)

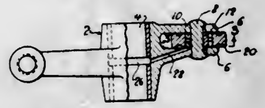


1. Ventilated busduct comprising, spaced bus bars, a rectangular enclosure for said bus bars consisting of identical opposite side wall members and opposite transverse wall members, said side wall members having their margins inturned to form flanges extending toward each other, said transverse wall members overlapping said flanges, bolts extending through the flanges and the adjacent overlapping portions of the respective transverse wall members, spacing means on the bolts between the respective flanges and the adjacent transverse wall members, the spacing between the respective flanges and the adjacent transverse wall members being less than the transverse overlap therebetween.

2,482,311
PROCESS FOR THE TREATMENT OF VANADIUM-BEARING ORES
Ragnvald Asak, Vestre Aker, near Oslo, Norway, assignor to Christiania Spigerverk, Nydalen, near Oslo, Norway
No Drawing. Application March 29, 1946, Serial No. 658,263. In Norway July 1, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 1, 1959
1 Claim. (Cl. 23—15)

Process of producing soluble vanadium compounds from vanadium bearing iron ores comprising mixing the granulated ore with an alkali metal compound in quantity sufficient to react with the vanadium oxide content of the ore and a porous carbon material selected from the group consisting of charcoal and coke and heating the mixture first with a limited supply of air to effect a preliminary reduction of the metal content of the ore other than vanadium to free the unreduced vanadium oxide from its spinel-like compound with the iron, then heating the mixture with a free supply of air to oxidize both the vanadium to its higher oxide to form vanadates by reaction with the alkali compound and the iron to iron oxide (Fe_2O_3), and leaching the soluble vanadate from the ore.

2,482,312
FORCE TRANSMITTING MEMBER
Carl F. Bachle, Detroit, Mich., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application April 27, 1946, Serial No. 665,467
8 Claims. (Cl. 74—569)

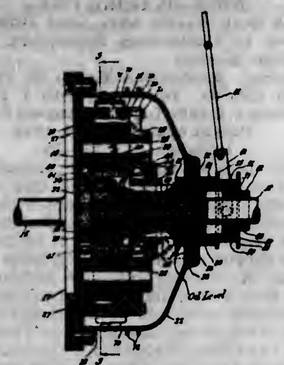


1. In a rocker arm, a bifurcated member having coaxial openings through the two fingers, a pin non-rotatably mounted in the openings of the fingers, a soft-metal hub positively mounted against rotation on the pin, and a bearing member rotatably mounted on the hub.

2,482,313
HYDRAULIC CLUTCH
Joseph Albon Bascle, New Orleans, La., assignor, by mesne assignments, to John G. Sloat and Joe J. Sloat, both of Slidell, La.
Application April 10, 1947, Serial No. 740,615
8 Claims. (Cl. 192—61)

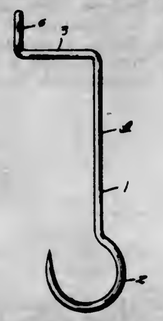
7. A hydraulic clutch comprising a rotor having central and side bores, central and side gears mounted for rotation in the respective bores and having teeth meshed together, drive and driven members fast to said rotor and central gear, said rotor having a duct leading to the enmeshed teeth, a liquid supply to said duct, said central gear having a liquid exhaust passage comprising radially, intermediate and discharge mouth portions, said radial portion communicating with the enmeshed teeth and with the intermediate portions, a collar on the rotor extending about the intermediate portion of said liquid exhaust passage and spaced axially from the radial portion and the discharge mouth, said discharge mouth

communicating with the liquid supply, and a control member for moving to and from said collar



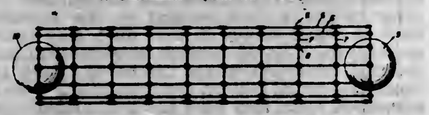
across the discharge mouth to regulate the port area of such mouth.

2,482,314
GAFF HOOK
Clarence B. Beckwell, Superior, Wis.
Application October 29, 1947, Serial No. 782,894
1 Claim. (Cl. 43—5)



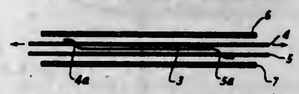
A gaff hook of the character specified, formed in a single piece, said gaff hook comprising a straight rod-like body portion formed at its lower end with a substantially U-shaped hook and at its upper end with a right angularly bent handle adapted to extend across and fit in the palm of the hand, with the outer or front end of the handle terminating in a circular ring disposed perpendicularly to said handle and adapted to fit around the base of the thumb and prevent the hook from slipping out of the hand.

2,482,315
FISH KEEPER
Ernest R. Bennett, Dumas, Tex.
Application July 3, 1947, Serial No. 758,900
2 Claims. (Cl. 43—55)



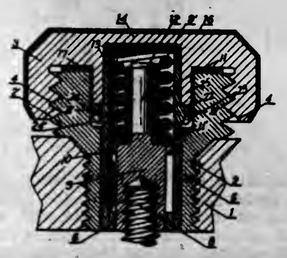
2. A fish keeper of the class described comprising a cage of elongated form to accommodate fish and to submerge same below the surface of a body of water for preserving the fish for a limited time, said cage being made up of a plurality of longitudinal and transverse inter-linked elements, said cage being open at opposite ends, and buoyant balls fitted removably into the open ends, each ball having diametrically opposite eyes, and snap fasteners connected with said eyes and also connected with adjacent members of said cage.

2,482,316
LAMELLA RESISTANCE UNIT
Shirley A. Bocking, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application June 6, 1946, Serial No. 674,831
In Australia May 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1965
3 Claims. (Cl. 201—73)



1. A variable resistor unit having a resistance of the order of one ohm or less comprising a pair of insulating members each having an aperture formed therein and adapted to be positioned adjacent one another with said apertures disposed in spacial relation, a strip of resistive material positioned between said insulating members and having the ends of said resistive material each inserted through one of said apertures and overlying a portion of its respective insulating material, a pair of conducting material strips, one of which is positioned on the outer surface of each of said insulating members and being adapted to engage the portion of resistive material overlying each of said insulating members, and means for securing the entire assembly in fixed operative relation.

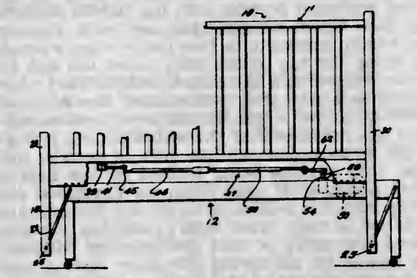
2,482,317
TIGHT WINDING DEVICE FOR WATCHES
Emile Borer, Bienne, Switzerland, assignor to Rolex Watch Co. Ltd., Geneva, Switzerland, a Swiss firm
Application May 23, 1945, Serial No. 595,430
In Switzerland June 28, 1944
1 Claim. (Cl. 58—90)



In a tight winding device for watches, the combination with a watch case having a pendant neck threaded thereto, of a recessed crown made of soft metal adapted for temporary threaded engagement with said pendant neck, an axial tubular shank extending into said pendant neck, a winding-stem, a terminal piece adapted for threaded engagement with said stem and extending into said tubular shank, said terminal piece having an outer portion of reduced diameter

and outwardly protruding members at the base of said portion forming the male half of a coupling, a coil spring encircling said portion of reduced diameter and resting with its one end on said protruding members and with its other end on a part dependent on said crown, said tubular shank being made of hard metal and having its inner end formed with an inner flange having slots forming the female half of said coupling, said tubular shank of hard metal being further provided at its middle portion with outwardly protruding members and said crown having a short axial hollow shaft provided with slots, said protruding members of the tubular shank being adapted for engagement with said slots, whereby said shank is made angularly dependent on the crown, and said shank being made axially dependent on said crown by upsetting of the soft metal of said crown shaft over said protruding members of said shank of hard metal.

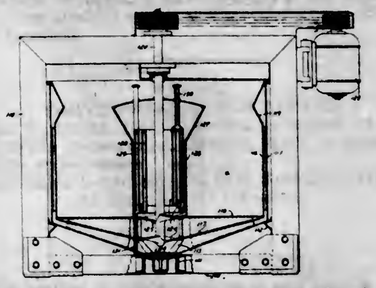
2,482,318
POWER-OPERATED CRADLE
Baxter S. Carruth, El Paso, Tex.
Application November 5, 1945, Serial No. 626,819
1 Claim. (Cl. 5—109)



A device of the character described including a rectangular supporting frame, depending supporting legs disposed in the corners thereof, depending hangers having inwardly extending supporting terminals on their upper ends pivotally supported in said frame and outwardly extending supporting terminals on their lower ends, a crib including a frame disposed above said supporting frame and extending beyond the opposite sides and ends thereof, depending legs on said crib pivotally supported by the lower end terminals of said hangers, a fixed connection on said crib, an electric motor on said supporting frame, a gear reduction mechanism operatively connected therewith, an eccentric arm connected with said gear reduction mechanism, an extensible connecting rod between said eccentric arm and said fixed connection on said crib, and a ball and socket connection between said rod and said fixed connection.

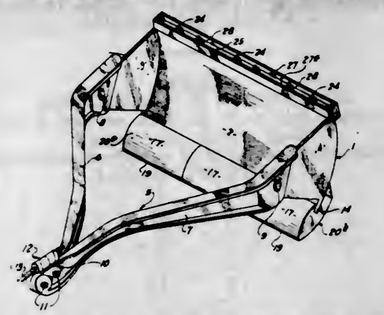
2,482,319
MACHINE FOR THE WET TREATMENT OF TEXTILE MATERIALS OR THE LIKE
Marcel Cassé, Essonnes, France
Application January 3, 1944, Serial No. 516,892
In France June 7, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 7, 1961
5 Claims. (Cl. 68—184)

1. In a machine for treating textile material, comprising a vertically disposed cylindrical vat adapted to contain the material undergoing treatment, a housing enclosing at least a portion of said vat and having the inner wall surfaces thereof spaced from the outer wall surfaces of the vat at the enclosed portion to provide a chamber, said chamber communicating with the interior of the vat respectively only at the central lower end portion and at the upper peripheral portion of the vat whereby a bath circulating circuit is provided, perforated closure means of substantially equal



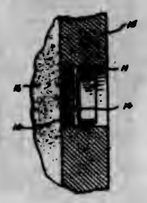
passage areas in the circuit respectively at said points of communication, the perforated closure means at the upper peripheral portion having the shape of a frustocone and having the larger base thereof contiguous with the periphery of the vat, and means located within said housing for propelling the bath through the circuit in either direction.

2,482,320
DRAG SCRAPER CONSTRUCTION
Harry J. Clemmer, Holden, Wash.
Application November 19, 1945, Serial No. 629,531
6 Claims. (Cl. 37—147)



4. A drag scraper construction which comprises: a scraper body provided with two laterally-spaced forwardly projecting side-plate portions and a connecting back-plate portion having a forwardly concave conformation, said back-plate portion being provided with a lower edge portion extending below said projecting side-plate portions and said lower edge defining a plurality of laterally-spaced depending lugs; a front-haul bail pivotally connected to said scraper body at the forward end of said side-plate portions; a scraper tooth attached to said scraper body at the position of each of said lugs, said teeth being provided with locating sockets coactingly shaped with respect to said lugs for lateral and forward-and-rearward placement thereupon, and each of said teeth being provided with a downwardly-and-forwardly projecting excavating edge portion, and an upwardly and rearwardly extending wear portion adapted to underlie the rearward face of said back-plate at the position of said lower edge; and attachment means for said teeth located adjacent the upper edge of said back-plate portion.

2,482,321
CORE BOX VENT
Paul Bernard Copeland and Harry L. Morris, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 8, 1947, Serial No. 740,186
4 Claims. (Cl. 22—13)



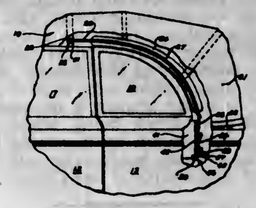
2. A core box vent comprising a hollow cylindrical shell one end of which is provided with an internal shoulder, and a spiral resilient filtering member resting upon said shoulder and being held in place only by its spring tension, said spiral resilient filtering member being vaulted with the apex of the vault so disposed that pressure tending to flatten the resilient member will press said member against said shoulder.

2,482,322
JACKET FOR FEEDING BOTTLES
Francesco P. Cortese, Highland Park, Mich.
Application November 6, 1947, Serial No. 784,480
1 Claim. (Cl. 215—12)



A jacket for feeding bottles including an inner and an outer annular fabric wall, said walls being secured to one another at their extremities and sewn longitudinally to one another at spaced intervals to form quilting, insulation inserted between the walls and held distributed by said quilting, said inner and outer walls being split intermediately of their length along one line of quilting for the insertion of a bottle, the edges of the inner and outer walls on each split side being sewn to one another, a zipper portion secured along each sewn edge, a movable zipper portion cooperating with the aforesaid portions to open and close the split, said zipper portions being so arranged that the movable portion is adjacent the lower extremity of the jacket when the split is closed, the upper annular joined extremities of the inner and outer walls being of reduced diameter to permit the neck of the bottle to protrude therethrough, and a padded base secured to the lower joined extremities of the inner and outer walls.

2,482,323
CONVERTIBLE TOP CONSTRUCTION FOR MOTOR VEHICLES
Herbert F. Cramwell, Detroit, and Guy B. McCool, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 22, 1947, Serial No. 743,088
6 Claims. (Cl. 296—107)

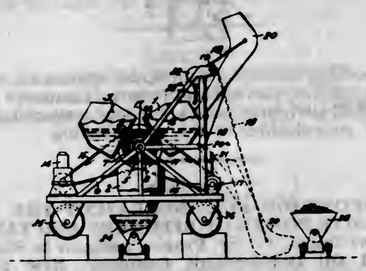


6. In combination with a motor vehicle body having rear-quarter windows on opposite sides thereof, the upper and rearward edges of said rear-quarter windows being convexly curved, a flexible fabric top for said body having a generally horizontal upper portion and a downwardly inclined rearward portion, said top having integral side flaps which are generally vertically disposed and which terminate in free lower edges extending along the top of the body panel but not attached thereto and in concave free forward edges extending along and overlapping the adjacent convexly curved edges of the rear-quarter windows but not attached thereto, a pocket formed in the forward concave free edge of each of said flaps, said pockets being formed by the flexible fabric material of said flaps, an elongated coil spring disposed within each of said pockets and anchored at their upper ends to said top at points spaced forwardly of said rear-quarter windows, and means for anchoring the lower ends of said springs to said body at points spaced below the lower edges of said flaps and arranged to place said springs under tension when the top is raised to exert tension along the free concave forward edges of said flaps to hold the latter against the upper convexly curved edges of said rear-quarter windows to provide a weather-tight seal therebetween and to prevent inadvertent displacement of said flaps from said windows, said last-named means being located laterally in such position as to exert a lateral inward stress upon the free concave edge of said flap to hold said flap tightly against said rear-quarter windows.

2,482,324
MALAXATOR
Vsevolod Dachkévitch, Neuilly-sur-Seine, France
Application September 19, 1945, Serial No. 617,233
In France May 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1964
3 Claims. (Cl. 259—161)

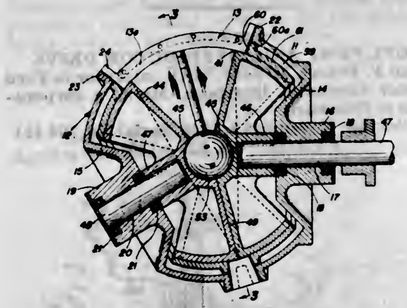
1. A concrete mixer which comprises, in combination, a frame, a horizontal shaft journalled in said frame, at least three pivot axes carried by said shaft located in a plane at right angles thereto, rotary drums carried by said axes, respectively, a motor, transmission means, including a driving wheel journalled on said shaft and at least three satellite pinions each rigid with one of said drums, respectively, and operatively connected with said wheel, for transmitting the motion of said motor to said drums, a water tank carried by said frame, means for filling and emptying said tank, an elevator bucket movably

mounted in said frame so as to have, in its upper position, its outlet close to that of said tank, a winch for operating said bucket, means for locking said shaft in any of at least three given positions for each of which one of said drums is under said tank and bucket outlets, control



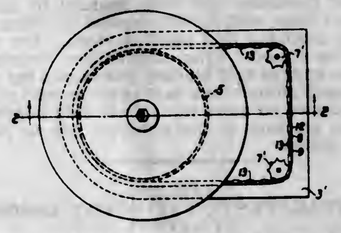
means for intermittently bringing said locking means out of action to allow said shaft to pass from one position to the next one, and means interrelated with said control means for operating said tank filling and emptying means and said winch in synchronism with the movements of said shaft.

2,482,325
SPHERICAL AIR COMPRESSOR
Oscar Newton Davis, Wichita, Kans.
Application September 23, 1947, Serial No. 775,592
2 Claims. (Cl. 230—142)



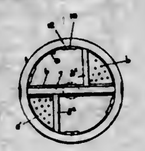
1. A compressor of the character stated comprising a substantially spherical housing chamber having an inlet and an outlet, a rotor unit in the chamber comprising two circular bodies each having spaced parallel perimeters of different diameters joined by an outwardly curved wall face to conform to the spherical coverage of the chamber in which it is fitted and a frusto-conical wall upon the side of greatest diameter, each of said frusto-conical walls having an apical socket, said members being supported for rotation on obtusely angled axes with said frusto-conical walls substantially contacting on a line positioned between the said inlet and outlet, a spherical body interposed between the frusto-conical walls and positioned in said sockets, said members having radial slots therein opening through the frusto-conical walls, vane blades positioned in said slots and pivotally coupled with said spherical body for turning on axes extending radially of the chamber between the frusto-conical walls, means for applying driving power to one member to effect rotation of the rotor unit, the said spherical chamber being of an interior diameter around the major portions of the two members, greater than the diameter of the members to form an encircling chamber between the members and the wall of the spherical member, and a sealing band encircling each of said members and having a radial edge face contacting a portion of the chamber housing which encircles the rotor members to form a seal between a peripheral portion of the adjacent member and the wall of the housing chamber against which said portion of the chamber contacts.

2,482,326
DRIVE FOR ROTARY TABLES
John V. Davis, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application September 30, 1947, Serial No. 777,037
10 Claims. (Cl. 74—245)



1. In a rotatably mounted work table, a table top, a skirt carried by said top and concentric with the axis of rotation, a chain passed around said skirt and including articulated links, closely spaced friction elements carried by said links and adapted to engage the outer surface of said skirt, and means for driving said chain.

2,482,327
CONTAINER FOR CONDIMENTS
Milo J. Dawson, Jackson, Wyo., and Harold L. Epperly, Inglewood, Calif.
Application December 18, 1945, Serial No. 635,630
1 Claim. (Cl. 65—45)



A condiment shaker comprising a circular body open at its upper end, a cap therefor having a circular side wall provided with a skirt fitting within the open end of the body and provided with a rounded top wall, central partitions in the body and cap extending transversely of said parts, said cap having in its top sets of perforations located at opposite sides of said partition adjacent the side walls of the cap, and baffles located off center in the cap at right angles to the partition therein and forming restricted outlets leading to their respective sets of perforations.

2,482,328
SAFETY DEVICE FOR HYDRAULIC BRAKE SYSTEMS
Floyd H. Derry and Leo Hammett, Readsville, Mo.
Application June 23, 1947, Serial No. 756,478
3 Claims. (Cl. 303—84)

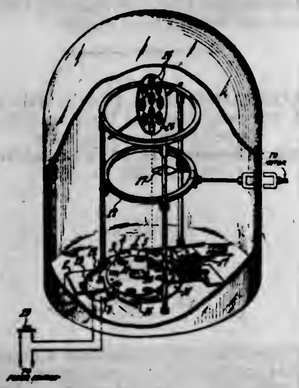
1. A safety device for isolating faulted lines in a hydraulic pressure system, comprising a

casing having a plurality of cylinders with hydraulically sealed solid valve plungers of lengths less than said cylinders therein, one end of each cylinder communicating with a common port, the outer ends of the cylinders communicating with individual lines in said system and with a common channel connected to said port, said plungers having circumferential grooves and con-



trolling passages from said channel to said individual lines, and locking means to retain each of said plungers in a position closing the corresponding channel when unequalized pressure on the two ends of said plunger has caused the shifting of said plunger into said position, said plunger being biased to move away from said position to prevent shifting of the plungers due to jarring of the device.

2,482,329
APPARATUS FOR SELECTIVE VAPOR COATING
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 27, 1946, Serial No. 672,583
8 Claims. (Cl. 91—12.2)



1. In a vapor coating apparatus having a rotatable plate and a plurality of coating material holders positioned on said plate, a motor for driving said plate, means for stopping and holding said plate in a desired position while said motor is still operative and for releasing said plate for further movement when said motor is inoperative.

2,482,330
CORE VENT
Clarence A. Dudzinski, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 10, 1947, Serial No. 790,895
6 Claims. (Cl. 22—13)

2. A core vent adapted for use in a core box comprising a tubular outer shell, a resilient spiral spring mounted within said shell, said spiral spring having its axis substantially parallel to the axis of the shell and two crossed supporting members within the shell, said crossed supporting members having upper and lower edges, an arcu-

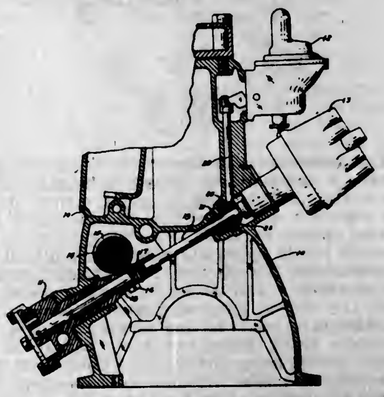


ate portion cut out of said upper edges and forming a concave surface and forming shoulders near the shell periphery, said shoulders supporting the outer convolutions of the spiral spring.

2,482,331
COMPOSITION FOR INCREASING THE ADHESIVE POWER OF BITUMENS AND TARS
Robert Dupas, Clichy, France, assignor to Standard Oil Development Company, New York, N. Y., a corporate body
No Drawing. Application March 12, 1947, Serial No. 734,234. In France June 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 21, 1961
7 Claims. (Cl. 106—281)

1. A bituminous composition of improved adhesive power which consists essentially of a bitumen having incorporated therein from 0.1 to 10% of a complex compound of a polyvalent metal chloride and an organic dyestuff containing a basic group selected from the group consisting of methylene blue hydrochloride, rhodamine hydrochloride and malachite green hydrochloride.

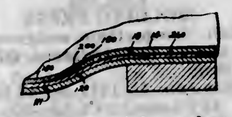
2,482,332
FUEL PUMP AND DISTRIBUTOR DRIVE
Adolph F. Eckert, Milford, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application November 8, 1946, Serial No. 708,494
1 Claim. (Cl. 123—195)



In an internal-combustion engine, a gear mounted on the camshaft and driving a second gear carried upon an oil pump shaft mounted at a substantial angle to the vertical, an oil pump adjacent said camshaft and driven by the oil pump shaft, a distributor disposed coaxially with the oil pump shaft and mounted on the opposite side of the engine, a shaft having upset and splined ends connecting the oil pump gear with the distributor, a fuel pump mounted adjacent the distributor and driven by a reciprocating push

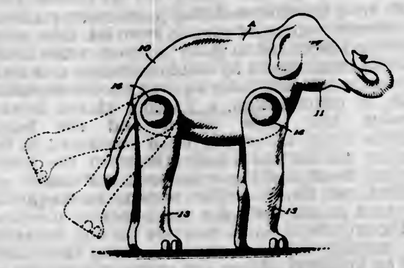
rod, an eccentric mounted upon and driven by the splined ends of the shaft adjacent the distributor, and a bushing supporting said eccentric, said eccentric being arranged to actuate the fuel pump rod, and said splined shaft and distributor being removable as a unit by sliding the splined shaft axially through the eccentric.

2,482,333
REMOVABLE INSERT FOR SHOES
Joseph H. Everston, Milwaukee, Wis.
Application August 4, 1945, Serial No. 608,874
6 Claims. (Cl. 36—43)



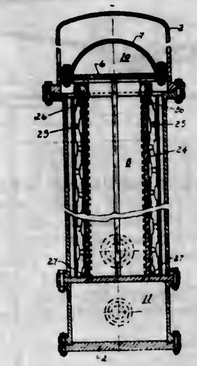
1. A prefabricated insert for a shoe, said insert comprising a cushion member having an outline adapted to fit within the forepart of a shoe and to terminate adjacent the shank portion thereof, and a freely engageable and disengageable mechanical fastener connected with said insert adjacent its rear terminal portion for securing such rear terminal portion in place within a shoe, the remainder of the insert being left free to be positioned solely from said rear terminal, in further combination with a second insert complementary to the insert first mentioned and adapted to fit within the heel portion of a shoe and to extend forwardly over the shank of the shoe, lapping the rear portion of said first insert and covering said fastener, the two inserts together providing substantial coverage for the entire interior bottom surface of the shoe.

2,482,334
TOY
Ralph A. Fernald, Millinocket, Maine
Application December 21, 1945, Serial No. 636,306
2 Claims. (Cl. 46—173)



1. A toy of the kind described comprising a body having companion matched sections, a tubular member mounted crosswise in the body, rounded outwardly projected anchoring lugs provided at the transverse center of said tubular member, sockets in the inner faces of said sections for receiving said lugs whereby said tubular member is anchored in said body, swingable elements arranged at opposite sides of the body and carried by the ends of the tubular member, semispherical headed elements adapted to be placed on the ends of the tubular member, tapered centrally located inserts on the inner face of said elements, said inserts adapted to enter the ends of said tubular member, a spring connected at its opposite ends to said inserts within said tubular member whereby said headed elements provide frictional binding action on said swingable elements, opposed slots in the ends of said tubular members, opposed lugs on said inserts and said lugs adapted to coact with said slots to prevent rotation of said headed elements during movement of said swingable elements.

2,482,335
HEAT EXCHANGER
Morris F. Fleitz, Louisville, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky
Application September 6, 1945, Serial No. 614,622
6 Claims. (Cl. 138—37)

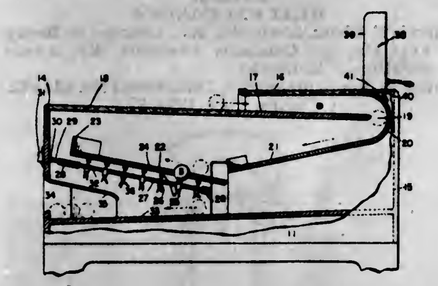


1. An edge sealing arrangement for shell and baffle structures of the type wherein an edge of the baffle presents along a wall of the shell an outwardly open channel containing a packing strip in its outer portion for sealing the space between the baffle and the shell when the strip is compressed, comprising: a linkage composed of a longitudinal series of pivotally connected links having some pivots offset so that the linkage is transversely expanded when longitudinally compressed, said linkage extending along the inner portion of the channel and being arranged for transverse expansion outwardly against the packing; and means for compressing the linkage longitudinally to force the packing outwardly into substantial sealing relationship with the shell.

2,482,336
RETURN PLAYING-SURFACE GAME APPARATUS
Dean M. Gill, Lakewood Village, Calif., assignor to Homer E. Gillespie, Long Beach, Calif., doing business as Gillespie Games Company
Application April 2, 1947, Serial No. 738,775
3 Claims. (Cl. 273—124)

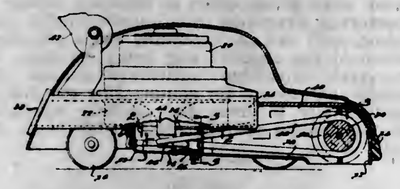
1. A game apparatus comprising an enclosing cabinet; a relatively flat wide playing surface arranged substantially horizontally near the top of said cabinet upon which surface a playing ball may be rolled, a curved surface connecting member, said playing surface having a forefield portion which is uncovered to permit initiating motion of a playing ball, and a rear field portion having its rear edge ending adjacent said curved surface connecting member, said rear edge forming with said curved surface a constricted throat of slightly greater width than the diameter of the ball through which the played ball must roll; a cover over said rear field arranged to allow the playing ball to roll thereunder; a free rolling surface disposed beneath said rear field and sloping

downwardly from the back of said cabinet toward the front over which a playing ball may roll freely under gravitational force; said connecting member having a curved inner surface upon which the playing ball may be transferred by rolling around the rear end edge of said rear field to the rear upper end of said free rolling surface, the inner face of the upper end of said connecting member



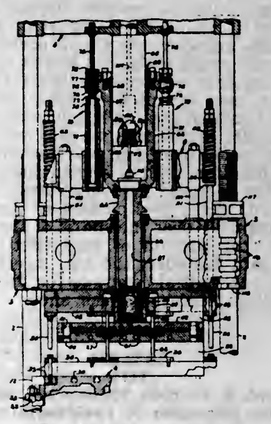
being substantially continuous with the under surface of said cover; a target area extending forwardly from the forward and lower end of said free rolling surface, said target area having ball receiving pockets and being sloped upwardly from the lower edge of said free rolling surface; and means to discharge the balls in the pockets and deliver them to a position accessible to a player.

2,482,337
VACUUM CLEANER CONVERTER ARRANGEMENT
Paul T. Hahn, Detroit, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application August 20, 1943, Serial No. 499,424
19 Claims. (Cl. 15—332)



1. In combination with a suction cleaner having a vertically arranged motor including a vertical shaft member and suction creating means driven thereby provided with an air inlet on the under side thereof through which said shaft members extends, a floor nozzle connected with said air inlet, a surface cleaning member associated with said nozzle, a horizontally extending belt in said nozzle between said members for driving said cleaning member, said nozzle being provided with a converter port arranged below said suction creating means in a plane normal to said air inlet and laterally of said shaft: a converter attachment adapted to be fitted in said port and connected with and disconnected from said cleaner, one of the walls of said converter being formed to provide an opening therethrough, said converter being constructed and arranged so as to form at least part of a conduit for the flow of air from a suction cleaning tool to said port, and through which conduit and said opening formed in the wall of said converter, at least a part of said belt extends when said converter attachment is connected with said port in air conducting relationship therewith, said attachment having means thereon engageable with a part of said belt when said attachment is connected to said port in air conducting relationship therewith, for lifting said belt out of driving relationship with said shaft member, the inserted end of said converter attachment being relatively flat in cross section and said belt lifting means being mounted on said attachment for movement in a horizontal plane for cooperation with said horizontally extending belt.

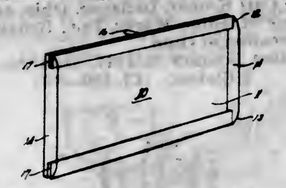
2,482,338
MOLDING PRESS
Keith W. Hall, Toledo, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application June 12, 1945, Serial No. 599,099
15 Claims. (Cl. 18—30)



15. In a transfer molding press having a base, an intermediate head carried from the base and a crosshead mounted in fixed relation to the intermediate head, and a hydraulic cylinder and main platen for exerting force against the intermediate head, in combination, a floating platen located between the main platen and the intermediate head, a movable head connected to the floating platen and located between the intermediate head and the crosshead, a transfer pot carried on the movable platen, hydraulically actuated means having a fixed portion mounted on the crosshead and a movable portion engaging the transfer pot for forcing material therefrom, and an auxiliary piston and cylinder mounted on the movable head and engaging the movable portion for retracting the movable portion from the transfer pot and driving the movable platen away from the fixed head.

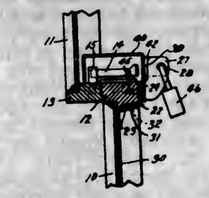
2,482,339
PLASTIC PANEL WITH MOUNTING MEANS
Thomas L. Hibbard, Birmingham, and Milton Jovanovich, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 29, 1944, Serial No. 570,444
7 Claims. (Cl. 72—19)

1. A panel formed of transparent plastic material having a face and a back, an attaching lug formed on the back of said panel adjacent an edge thereof, a slot in said panel extending inwardly from said edge and overlying said lug, and



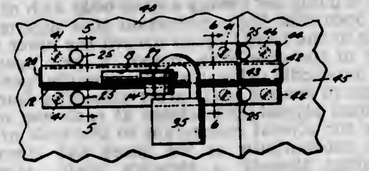
an opaque film formed on at least one side of said slot.

2,482,340
WINDOW LATCH GUARD
Neil O. Holmsten, New Rochelle, N. Y.
Application June 18, 1948, Serial No. 33,781
4 Claims. (Cl. 292—346)



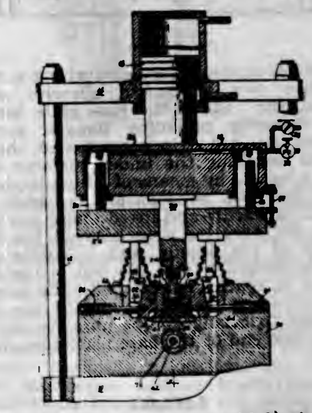
3. A latch guard for a window having upper and lower sashes provided with registering cross rails and a latch for securing the same together, said guard comprising a base member having bottom and front flanges, means securing the front flange to the cross rail of said bottom sash with said bottom flange engaging the lower surface of said cross rail, and a latch arm having a front plate adapted to pass over said front flange, having the top flange to engage the top surface of said cross rail, and having a shield shaped to cover and completely enclose said latch, an ear attached to the front flange of said base member and extending outwardly and upwardly therefrom, a registering slot in said front plate to receive said ear, and a second ear secured to said front plate to register with said first ear, said ears having registering holes to receive a padlock for securing the latch cover in place.

2,482,341
SLIDE BOLT LOCK
Neil O. Holmsten, New Rochelle, N. Y.
Application June 18, 1948, Serial No. 33,782
3 Claims. (Cl. 292—148)



1. A slide bolt fastener for doors or the like, comprising a stationary member having a central barrel adapted to receive a bolt and outwardly extending flanges to be screwed against the inside of a door, a keeper of similar cross section to be screwed against the door frame, and a slidable member comprising a bolt slidable in said barrel and extendible into said keeper, and a guard plate attached to said bolt and slidable therewith to cover the attaching screws of both the stationary member and the keeper, a locking ear carried by said stationary member and an actuating handle carried by said bolt, said ear and handle having holes in registration when said bolt is in locking position to receive a padlock for securing the bolt against unauthorized actuation.

2,482,342
MOLDING APPARATUS
Leslie S. Hubbert and Harold J. Miller, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application March 7, 1946, Serial No. 652,670
5 Claims. (Cl. 18—16)



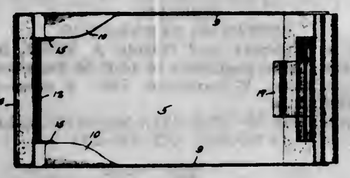
1. In a molding press; a mold having a bottom and side plates adapted for being clamped against said bottom during a molding operation; a pressing plunger reciprocable into said mold between said side plates to compact said material against said bottom; wedge means to clamp said side plates against said bottom; motor means to actuate said pressing plunger; and other motor means responsive to the pressing movement of said pressing plunger to actuate said wedge means, when said pressing plunger has reached a predetermined position.

2,482,343
SLIP FISHLINE SINKER
James W. Ingleton, Astoria, Oreg.
Application April 2, 1946, Serial No. 659,027
3 Claims. (Cl. 43—52)



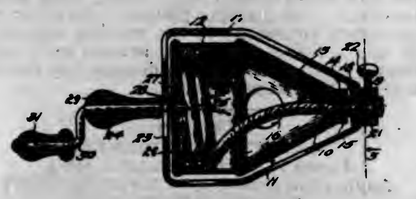
1. A slip sinker comprising a weighted body provided with a pointed leading end and a bulbous lower end, a line guide eye at the pointed end of the body, and a friction line clamp extending laterally from the lower end of the body having adjacent spiral convolutions the ends of which are embedded in said body, one of said ends being extended and projecting beyond said body end to form a short straight pin located in substantial alinement with the line guide around which the line is wrapped before it is engaged with the clamp.

2,482,344
METAL SANDING BLOCK
Russell Roy Kent, Superior, Wis.
Application November 8, 1948, Serial No. 58,993
3 Claims. (Cl. 51—187)



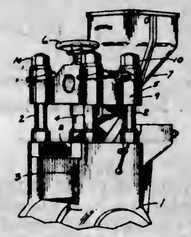
1. A metal sanding block comprising a metallic base plate over which an abrasive strip is stretched, the ends of the base plate being extended inwardly providing flanges, and over which the abrasive strip is positioned, the abrasive strip engaging the under surfaces of said flanges, a handle by means of which the sanding block is operated, portions of the handle being extended outwardly and fitted under the flanges gripping the abrasive strip between the flanges and ends of the handle, and a flexible tongue extending inwardly from one end of the handle and lying in spaced relation with the base, said tongue providing means for moving one end of the handle to disengage the abrasive strip and flange at one end of the base plate releasing the handle.

2,482,345
APPARATUS FOR CLEANING DRAINS, PIPES, CONDUITS, AND THE LIKE
Walter Cameron Kincaid, Pueblo, Colo.
Application February 28, 1946, Serial No. 650,948
3 Claims. (Cl. 15—104.30)



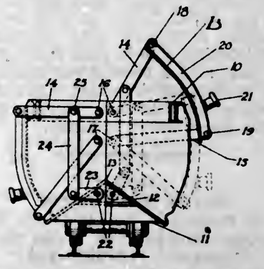
1. In an apparatus for cleaning drainage pipes in combination, a cable, a partly cylindrical and partly funnel shaped cage for the same, said funnel shaped cage being provided with a central bore for the passage of the cable from the interior of the cage, a guide tube near the end of the funnel shaped portion of the cage, means for supporting the funnel shaped end of said cage for free rotation on the end of said guide tube, a clamping device on said guide tube for clamping the cable to the same for rotation of the latter together with the former, a framework surrounding the cage, fixedly connected with said guide tube, means for rotating said framework and guide tube including a hand operated crank arranged on a shaft, having an axis of rotation coincident with the axis of the guide tube and axis of rotation of the cage, having an inwardly projecting end, and means for supporting the cylindrical part of the cage for free rotation on said shaft end.

2,482,346
PRESSURE RELEASE MECHANISM
Clarence Carl Kinker, Defiance, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application January 23, 1947, Serial No. 723,747
3 Claims. (Cl. 100—70)



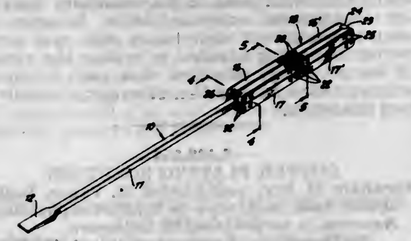
1. Pressure release mechanism for securing a tie rod to a crosshead through which the tie rod projects, comprising, in combination, a retainer removably secured on the end of said tie rod and having a pressure face on the side toward said crosshead, wedge-shaped matching spacers interposed between the pressure face and said crosshead, at least one of said spacers being laterally movable, and releasable means for maintaining said spacers in position with their wedges matched and for permitting at least one of said spacers to be moved laterally whereby the wedges are mismatched and play between said retainer and said crosshead is introduced.

2,482,347
DUMPING CAR
Arthur Wesley Lancaster, Orillia, Ontario, Canada, assignor to E. Long Limited, Orillia, Ontario, Canada, a company of Ontario, Canada
Application November 23, 1945, Serial No. 630,186
1 Claim. (Cl. 105—255)



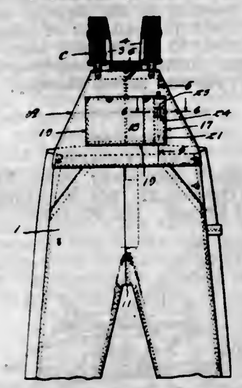
In a dump car having a fixed body with at least one open side, the combination of, a sloping base plate in the body sloping toward the lower outer edge of the open side thereof, a door upwardly and outwardly swingable to uncover the open side, a pair of spaced apart arms extending from individual pivotal connections at each end of the body for pivotal connection to the ends of said door substantially at the upper and lower extremities thereof, a through shaft extending longitudinally of the body below said base plate, a crank arm extending from either end of said shaft on the exterior of the body, and a link pivotally connected to the free end of each crank arm and having its other end pivotally connected between the ends of one of the spaced apart arms at each end of the body, said crank arms being fixed to said shaft to provide operative connection between the spaced apart arms from one end of the body to the other.

2,482,348
FOLDING HANDLE FOR SCREW DRIVERS OR THE LIKE
Herbert R. Land, Van Nuys, Calif.
Application June 13, 1947, Serial No. 754,513
2 Claims. (Cl. 145—50)



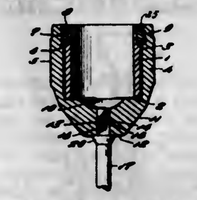
1. A screw driver comprising a shank having a screw-engaging portion at one end thereof, and a handle at the other end, said handle comprising two pairs of elongated members disposed on opposite sides of said shank, the members of each of said pairs being arranged end-to-end, link means pivotally connecting the adjacent ends of the members of each of said pairs to permit relative swinging movement thereof in a plane including the longitudinal axis of said shank, one of the members of each of said pairs being pivotally connected at its free end to said other end of said shank, a slide non-rotatably and slidably mounted on said shank, the other of the members of each of said pairs being pivotally connected at its free end to said slide, said pairs of members being adapted to be extended so as to lie alongside said shank to form a handle having its axis parallel to the axis of the shank for the rapid driving of freely turning screws, or folded so as to extend in opposite directions to form a handle having its axis perpendicular to the axis of the shank, whereby a high torque can be applied to the screw.

2,482,349
OVERALLS
Harry Lang, St. Paul, Minn.
Application January 28, 1947, Serial No. 724,741
1 Claim. (Cl. 2—247)



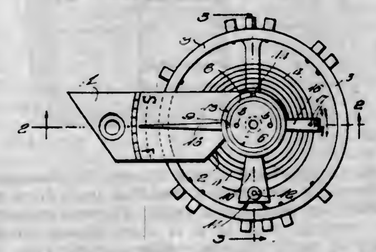
A pair of overalls having a safety pencil pocket at the front adapted to prevent loss of the pencil regardless of the position assumed by the wearer, said pencil pocket being open at the top and comprising inner, outer and intermediate members stitched together at their side and bottom edges, said outer and intermediate members having a pair of vertically spaced transverse eyes or slits in their upper portions below the top of the pocket and through which the pencil is threaded in inserting same in position.

2,482,350
THIMBLE SCREW DRIVER SET
Joe A. Lenz, Reno, Nev., assignor to Dulcinaire Industries, Inc., Reno, Nev., a corporation of Nevada
Application March 7, 1946, Serial No. 652,683
1 Claim. (Cl. 145—50)



A miniature tool holder for a rotary tool comprising a finger receiving cylindrical sleeve having an annular shoulder on the outer surface thereof adjacent one end, a cylindrical shell concentrically disposed about the sleeve and circumferentially spaced therefrom, said shell having an open end and a substantially closed end, said closed end forming a reduced axially disposed tool receiving socket, means for locking a tool in said socket, the open end of said shell being internally threaded, a locking ring disposed between said sleeve and shell and having an outer exteriorly threaded surface engaged with the threaded end of the shell and also having an inner bearing surface concentrically disposed about said sleeve and received on said annular shoulder for providing independent rotation of the sleeve and shell and a centrally disposed concave recess in the inner surface of said closed end for accommodating the forefinger of a user.

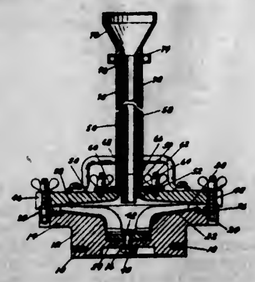
2,482,351
WATCH MOVEMENT BEAT ADJUSTING DEVICE
Henry Line, Carlisle, Pa.
Application April 27, 1945, Serial No. 590,550
1 Claim. (Cl. 58—109)



In a watch movement, a bridge, a jewel plate mounted against the upper face of one end of the bridge, a stud ring fitting snugly about the jewel plate and frictionally gripping the same and resting against the upper face of the bridge, said bridge having an arcuate edge face extending circumferentially of the jewel plate, an arm extending radially from the stud ring in downwardly offset relation thereto opposite the arcuate edge face of the bridge and having its upper surface flush with the upper face of the bridge,

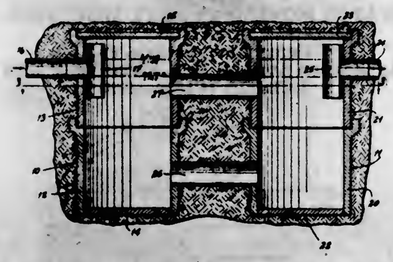
and a regulator ring fitting snugly about the stud ring and frictionally gripping the same and resting against the upper face of the bridge and the upper surface of the arm of the stud ring and carrying an arm resting flat against the upper surface of the bridge.

2,482,352
SPRUE FOR CENTRIFUGAL MOLDS
Felix B. Litton, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application December 21, 1945, Serial No. 636,294
4 Claims. (Cl. 22—134)



1. In a mold having a drag and a cope providing in conjunction with one another a mold cavity and a collar on the cope communicating with the cavity, a perforated tube telescoping the collar, a sprue seated on the collar and extended into the cavity, a tube supported on the sprue in spaced relation to the perforated tube, and a funnel on the tube.

2,482,353
SEPTIC TANK
George L. Loelkes, Maplewood, Mo., assignor to Blackmer and Post Pipe Company, St. Louis, Mo., a corporation of Missouri
Application June 21, 1946, Serial No. 678,427
4 Claims. (Cl. 210—6)

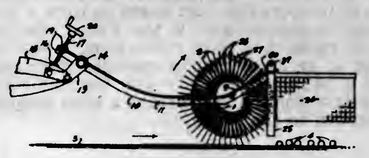


1. In a septic tank, a pair of vertical chambers, the chambers providing a free flow path from top to bottom of each, each being at least substantially twice as deep as it is wide, means closing the top of each chamber with a removable but relatively tight closure, an inlet into the upper part of the first chamber, an outlet from the upper part of the second chamber, the outlet determining a liquid level for the system, a first connection adjacent but above the bottom of the first chamber that leads into the second chamber adjacent but above the bottom of the second chamber, the space in each chamber below said connection comprising a sedimentation well, the two chambers and the connection establishing a flow path from the inlet into the first chamber, downwardly through the first chamber to the connection, through the second chamber upwardly to its outlet, and into said outlet, a second connection between the two chambers adjacent their tops, the second connection having its bottom continuously below the bottom of the outlet and below the liquid level in the chambers to establish continuous communication between the chambers adjacent their upper ends, said second connection being adapted to reduce the velocity of the previously described flow path to provide adequate time of retention of material within the two chambers.

2,482,354
COPPER PLATING SOLUTION
Abraham M. Max and Carroll M. Vance, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware
No Drawing. Application July 6, 1946, Serial No. 681,772
1 Claim. (Cl. 204—52)

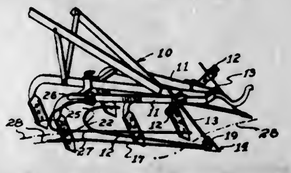
An acid copper plating solution consisting essentially of the following ingredients per gallon of solution: approximately 25 ounces to 32 ounces of copper sulfate, approximately 3 ounces to 10 ounces of sulfuric acid, and an addition agent consisting essentially of 0.1 ounce to 0.5 ounce of tri-isopropanolamine.

2,482,355
COLLECTOR
John W. McBride, Burbank, Calif.
Application June 10, 1944, Serial No. 539,645
4 Claims. (Cl. 56—328)



1. In a device of the character described: a drum; a non-rotary support providing an axis of rotation for said drum, said support having an auxiliary axis parallel to the drum axis; resilient rods extending radially of the axis of said drum; ejector bars parallel to the axis of said drum; and flanges extending radially of said auxiliary axis and attached to said ejector bars, said ejector bars being continually interposed between said resilient rods and driven thereby.

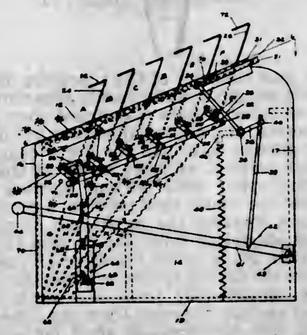
2,482,356
VINE TURNER
Charles T. McCready, Onley, Va.
Application October 21, 1946, Serial No. 704,640
4 Claims. (Cl. 97—192)



2. A vine turner for attachment to a cultivator having a universally adjustable bracket secured to the frame thereof, comprising a one piece rod bent to form an arm and a trailer shank disposed at an acute angle, said arm being adapted to be

secured to the cultivator frame by said adjustable bracket to extend downwardly and forwardly, the trailer shank being extended rearwardly from the lower end of the arm, a digger point secured to the bar across the bend thereof, a second trailing shank comprising a bar member having one end threaded, and means for attaching the second trailer shank to said arm comprising a body formed to provide a sleeve portion through which the arm extends and an angularly disposed socketed portion which is internally screw threaded to receive the threaded end of the second shank, and means carried by said sleeve portion for securing the same to the arm.

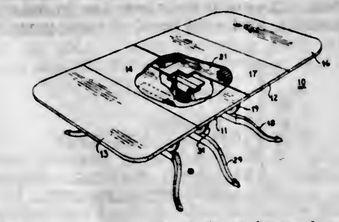
2,482,357
DEVICE FOR ASSEMBLING LETTER SHEETS AND THE LIKE
Clifford A. McKune, San Francisco, Calif.
Application May 6, 1947, Serial No. 746,260
1 Claim. (Cl. 270—58)



A device of the character described for assembling letter sheets and the like comprising a top open ended housing, a series of upwardly extending partitions spaced in parallelism across the upper portion of the housing and rigidly secured to the side walls thereof, a plurality of shelves, one of which is fixed to each of the said partitions and capable of supporting a plurality of letter sheets upwardly between each of the partitions, an upwardly extending hinged member on each shelf for retaining the letter sheets thereon, an open frame slidably supported on the top of the housing, a lever control mechanism for operating the frame, means on the frame capable of raising and individually dispensing the sheets from the shelves when forward movement is imparted to the frame, said means on the frame for dispensing the sheets from the shelves, including a series of cross arms hingedly secured to the frame and provided with friction members capable of contacting the sheets each of the said hinged members on the shelves being adapted to extend at an angle against the sheets during the dispensing thereof to guide the sheets off of the shelves, and means for separately guiding the dispensed sheets to the lower front portion of the housing.

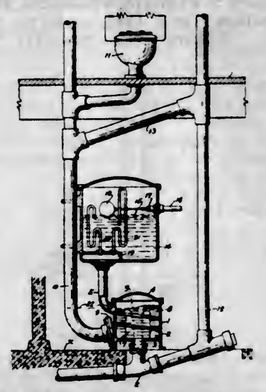
2,482,358
EXTENSION TABLE
Cedric E. Millspaugh, Westlake, Ohio, assignor to Union-National, Inc., Jamestown, N. Y., a corporation of New York
Application May 22, 1947, Serial No. 749,643
1 Claim. (Cl. 311—42)

In an extension table having a pair of separable end sections, an extendable slide joined to and facilitating adjustment of said sections into relatively extended or retracted position, a supporting structure for each section comprising an upright, a pair of legs joined to each upright, an intermediate upright, said intermediate upright being formed from duplicate parts and including



interfittable ends, a leg joined to each part, the leg of one part extending in a direction opposite to that of the leg of the other part, said parts, when said sections are in retracted position, cooperating to provide an intermediate upright having the appearance and proportions of the upright for each of said sections.

2,482,359
SANITARY PLUMBING
James F. Molloy, Oakland, Calif.
Application August 21, 1946, Serial No. 691,911
2 Claims. (Cl. 182—12)

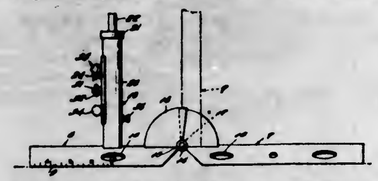


1. A trap seal for plumbing systems, comprising a sealed cylindrical chamber having a peripheral stack inlet at its bottom portion and a sewer outlet through its bottom; and an annular block within said chamber with a central opening therethrough discharging downwardly through said sewer outlet and having a helical flange contacting the inner wall of said casing and forming an external spiral channel confined within the wall of the casing through which the sewage is forced upwardly and escapes downwardly through the central opening through the top of said block to said sewer outlet.

2,482,360
STRAIGHTEDGE DEVICE FOR DETERMINING ANGLES BETWEEN CYLINDERS AND THE LIKE
Wilson K. Moore, San Diego, Calif., assignor of forty-nine per cent to Charles B. Leedy, National City, Calif.
Application July 14, 1944, Serial No. 544,850
2 Claims. (C. 33—75)

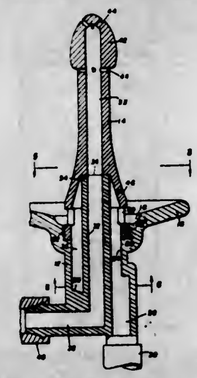
2. In an angle finder for cylinders and the like, a pair of elongated complemental work-con-

tacting adapter members, substantially V-shaped in cross-sectional form from one end to the other, the inner vertex portion of the respective members being hingedly connected together and the adjacent inner ends of said members being beveled downwardly and outwardly from the hinge connection, when said members are in longitudinal alignment, and said beveled ends permitting



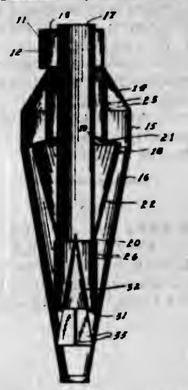
the members to be arranged with respect to each other in different angular positions for many varying angle-finding purposes, one adapter member being provided with a hollow segmental part, this on the vertex portion of said member, the remaining member being provided with a similar segmental part and said parts fitting telescopically together and having coacting calibrations for measuring and indicating purposes.

2,482,361
SYRINGE
Frank S. Parrigin, Evansville, Ind.
Application May 5, 1947, Serial No. 746,129
2 Claims. (Cl. 128—241)



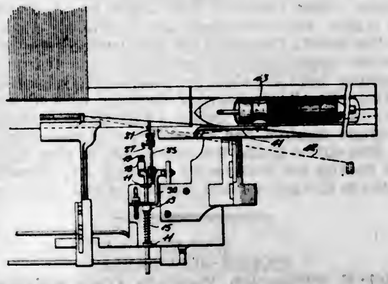
1. A syringe for treating with fluids a body cavity, comprising a body having concentric inner and outer sleeves defining inner and outer fluid passages, fluid supplying means and fluid withdrawing means each communicating with one of said passages, a shield integrally carried by the upper end of the outer sleeve for fluid tight engagement with the area contiguous to a body cavity, a nozzle having a longitudinal duct therein terminating in an enlarged bore and an enlarged end portion detachably supported on said outer sleeve, said inner sleeve extending above said outer sleeve and having its upper surface seated in sealing engagement in said enlarged bore, said duct communicating with and forming a continuation of said inner passage, a fluid collecting channel in said shield and means in said enlarged portion establishing communcation between said channel and said outer passage, said fluid withdrawing means including an outlet conduit eccentric to said sleeves, said outer passage having an inclined bottom wall sloping toward said outlet conduit.

2,482,362
DUST COLLECTOR
Chauncey M. Park, Evanston, Ill.
Application October 7, 1946, Serial No. 701,748
13 Claims. (Cl. 183—83)



1. In a dust collector of the character described comprising an upper, downwardly expanding shell portion, an intermediate cylindrical shell portion joined thereto, and a lower downwardly contracting shell portion joined to the lower edge of the cylindrical portion, an inlet scroll at the upper end of the upper shell portion opening downwardly into the upper shell portion, a central discharge tube forming the inner wall of the inlet scroll and extending downwardly into the lower shell portion, guide vanes arranged circumferentially about the tube in spaced relation thereto and extending downwardly from the scroll for directing air spirally outward from the tube within the upper and intermediate shell portions, and means forming a guide surface extending outwardly from the tube toward the lower edge of the intermediate shell portion and terminating at a distance inwardly from said edge, the upper edges of said guide vanes abutting the downwardly expanding shell portion and the lower edges of said vanes abutting said guide surface.

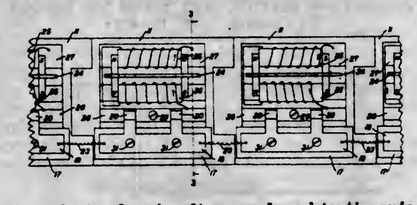
2,482,363
FILLING CATCHER
Charles Emile Pelletier, Suncook, N. H.
Application January 23, 1947, Serial No. 723,780
3 Claims. (Cl. 139—256)



1. In a filling catching attachment for a loom, the combination which comprises a base to be mounted on the breast beam of a loom, an L-shaped rod slidably mounted in the base and positioned with a vertically positioned leg thereof extended downwardly, a collar having a sloping

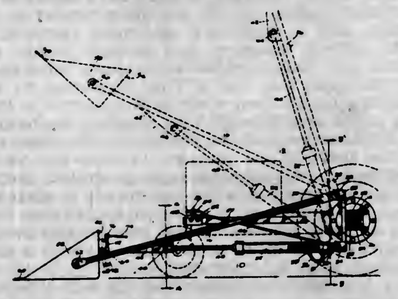
surface on the forward end carried by the rod, a spring on said rod urging the collar rearwardly, a latch arm pivotally mounted on said base and extended across the L-shaped rod for locking the rod through the collar thereof, said latch arm positioned to be reciprocated vertically to unlock the said collar when the loom makes a bobbin change, an adjustable lay engaging stop carried by the vertically positioned leg of the L-shaped rod, a filling hook arm also carried by said L-shaped rod, a filling hook slidably mounted on said filling hook arm, and means urging said filling hook rearwardly.

2,482,364
DEVICE FOR HEAT-TREATING MAGNETIC MATERIALS
Kenneth W. Pfleger, Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1941, Serial No. 416,092
17 Claims. (Cl. 266—5)



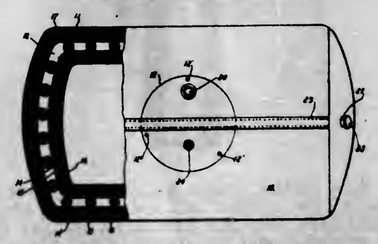
1. A device for simultaneously subjecting pieces of magnetic material to heat and a magnetic field comprising heating means, means for supporting said pieces of magnetic material in refractory means, a chamber heated by said heating means, means for carrying said supporting means and said pieces throughout said heated chamber, and means supplying a magnetic field moving throughout said chamber with said refractory means in fixed relation to said pieces.

2,482,365
LOADER FOR TRACTORS
Stephen S. Pokorny, Fort Dodge, Iowa
Application October 10, 1946, Serial No. 702,506
1 Claim. (Cl. 214—140)



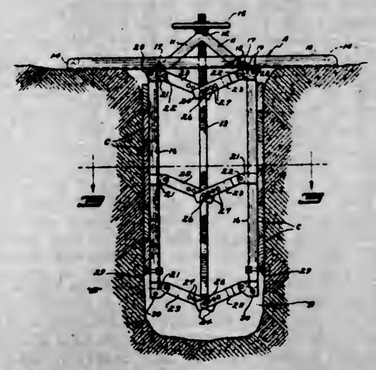
In a loading mechanism for attachment to a tractor of the type having a source of hydraulic pressure: a vertical support secured to the rear axle housing of said tractor; a lifting arm disposed at one side of said tractor, the rearward end of said arm being pivotally attached to said support, the forward end of said lifting arm extending forwardly of the tractor; a hydraulic jack disposed below said lifting arm, said jack being pivotally secured at one of its ends to said support directly beneath the pivotal attachment between said arm and said support, the other end of said jack being pivotally secured to said lifting arm at a point between the ends of the latter; a conduit for interconnecting said hydraulic cylinder and said source of hydraulic pressure; and a tie rod attached to the lower end of said support and to the forward end of said tractor to relieve twisting strain on said tractor between said rear axle housing and the forward portions of said tractor.

2,482,366
SELF-SEALING OIL TANK
Stephen Potters, Massapequa, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application April 20, 1945, Serial No. 589,385
4 Claims. (Cl. 154—43.5)



4. A leak-proof oil tank comprising a pair of spaced composite walls one contained within and spaced from the other thereby creating a chamber between them and both walls surrounding and defining a reservoir for the reception of oil, each wall consisting of a central layer of uncured rubber and an outer layer of vulcanized rubber intimately adhered to each face of the central layer, the aforesaid chamber containing a fluid solvent for uncured rubber adapted to contact the central layer of either wall upon the perforation of the outer layers of said walls to cause such central layer to swell and close the perforation.

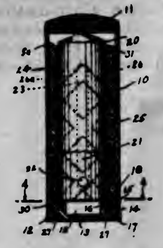
2,482,367
TRENCH JACK
Jerry J. Ravers, Jr., Amiret, Minn., assignor of one-third to Harry K. Nyberg and one-third to Willard D. Knox, both of Tracy, Minn.
Application May 12, 1948, Serial No. 26,551
13 Claims. (Cl. 254—126)



1. A jack of the character described for bracing apart the sides of an excavation, comprising side

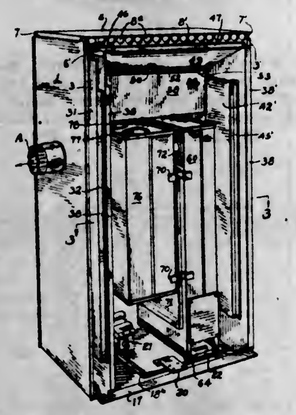
members and toggle means for moving the side members apart and toward the sides of the trench, and supporting means and operating means for the side members and toggle means, said supporting means being adapted to span the sides of the excavation.

2,482,368
LIPSTICK HOLDER
Howard F. Reichenbach, Waterbury, Conn., assignor to Cresale Incorporated, Waterbury, Conn., a corporation of Connecticut
Application September 23, 1946, Serial No. 698,702
5 Claims. (Cl. 206—56)



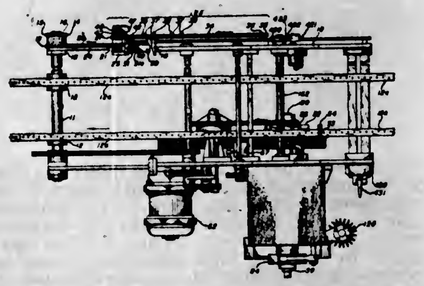
5. In a lipstick holder, a lipstick-carrying elevator, a base, a cover cap, a metal shell secured to said base, said base having an annular exterior shoulder, and an annular cap-locking flat ring seated on said shoulder and having depending inclined spring means for detachably engaging the inside surface of the lower end of said cover cap frictionally when it is forced downwardly thereover.

2,482,369
AIR-HEATING WALL FURNACE
Charles M. Rhodehamel, Alhambra, Calif., assignor to Commonwealth Company, Alhambra, Calif., a copartnership
Application November 4, 1944, Serial No. 561,975
16 Claims. (Cl. 126—116)



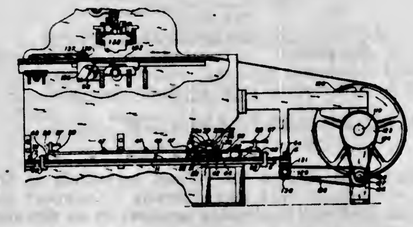
13. A furnace structure adapted to be inserted into an opening in the wall of a structure provided in said wall structure to receive said furnace, comprising an external baffle unit formed to be placed in said opening, said external baffle unit being composed of vertical panels, said vertical panels being disposed in opposed spaced parallel relation, and a top composed of a panel horizontally disposed across the space between the upper edges of the vertical panels in slidable relationship with the tops of the vertical panels, means adjacent the ends of the top engaging the top of each of the vertical panels in interlocking relationship, means holding said vertical panels in spaced relation with each other and in engagement with said top, a base for said furnace, said base being slidably disposed between the lower ends of the vertical panels, a fire box and flue unit demountably mounted upon said base and positioned in spaced relation with said panels and top, and a grill construction disposed over the opening defined by the vertical panels, top, and base, whereby it is adapted to cover the opening into which the furnace is to be placed in the wall.

2,482,370
BOXMAKING MACHINE
Alfred L. Rosenmund, Woodport, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application May 16, 1945, Serial No. 593,994
20 Claims. (Cl. 1—8.2)



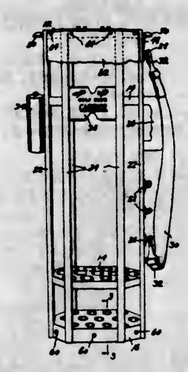
1. In a box-making machine having stapling mechanism for driving staples into box parts, an endless constantly moving conveyer adapted to feed continuously to the stapling mechanism a plurality of box parts arranged to form spaced box units, and having apparatus to control the operation of the stapling mechanism and to cause it to drive staples at predetermined points in the box units comprising, an endless chain proportioned to the length of a box unit, a series of selectively spaced control members carried by the chain, and a stationary controller operable by said control members and located beside said chain and connected to the stapling mechanism to start and stop the driving of staples by said stapling mechanism while said conveyer is feeding a box unit through said stapling mechanism, in combination, a driver for driving the chain only at the speed of the conveyer to move the control members past said stationary controller thereby to operate said controller alternately to start and stop the driving of staples in accordance with the selective spacing of said control members, a starter carried by the endless conveyer at a point thereon related to the position of the front end of a box unit for connecting up said driver to move the chain, and a stopper independent of said control members and carried by the chain at a point related to the position of a predetermined staple in a box unit for disconnecting said driver to stop the chain, whereby the position and movement of the chain are correlated with the constantly moving conveyer and so with the position and movement of each box unit through the stapling mechanism and a like location of staples in each of the succession of variably-spaced box units is effected by movements of said chain.

2,482,371
BOX-STAPLING MACHINE
Alfred L. Rosenmund, deceased, late of Woodport, N. J., by Theresa C. Rosenmund, administratrix, Woodport, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application September 17, 1945, Serial No. 616,769
20 Claims. (Cl. 1—8.3)



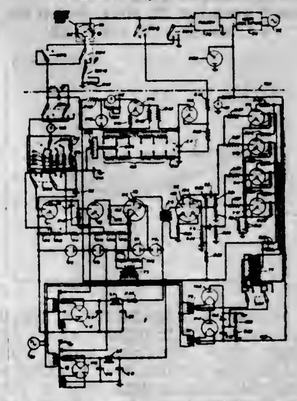
1. A staple-pattern controlling mechanism for box-stapling machines, comprising an endless chain having a forward and a reverse run disposed in a common plane, a track disposed in parallel relation to the chain, a drive for maintaining the chain in motion, a carriage slidable on the track, said carriage having a magnetically operated coupling for coupling the same to either run of the chain, and a reversing switch for operating said coupling to couple the carriage to one run and then to the other run of the chain.

2,482,372
GOLF CLUB CARRIER
Robert Rossow, Culver, Ind.
Application August 2, 1946, Serial No. 687,843
1 Claim. (Cl. 150—1.5)



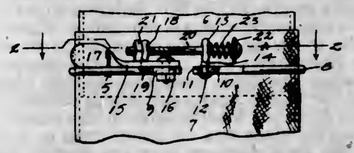
A golf club carrier comprising a rigid unit including a top, a bottom, a plurality of spaced rigid elongated thin flat uprights of a length shorter than a golf club connecting said top and bottom and a panel secured to said uprights intermediate said top and bottom, said uprights bearing flat against the margins of said top, bottom and panel said top and panel each having a plurality of spaced club-receiving openings, carrying means secured to said unit, a support pivoted to said unit and shiftable between a retracted position substantially parallel to said unit and an angularly extended position for supporting said unit in tilted position, a plurality of fasteners secured to the edges of said top and bottom, and a plurality of flexible sheets detachably mounted by said fasteners to enclose the sides of said units.

2,482,373
STABILIZED SYSTEM
Robert Rudin, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 4, 1945, Serial No. 603,220
7 Claims. (Cl. 250—36)



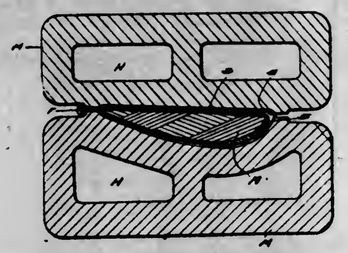
7. A stabilized system comprising a high frequency generator, intermittent energizing means connected to said high frequency generator, continuous energizing means connected to said intermittent energizing means, and a current magnitude responsive control means connecting the output of the high frequency generator to the said continuous energizing means.

2,482,374
CLAMP
Herman W. Ruschmeyer, Mankato, Minn.
Application June 25, 1948, Serial No. 35,240
2 Claims. (Cl. 24—19)



1. A clamp comprising an arcuate strand of wire forming a split ring having an enlargement at one end thereof and an outwardly projecting ear at its opposite end, an eye member swivelly supported on said enlargement, a lever pivotally connected at one end thereof to said ear for swinging movement in a plane substantially parallel to the plane of said strand, an eye member swivelly supported on said lever in spaced relationship to its pivot, a headed bolt having a shank extending through said eye members and slidably disposed therein, an expansion spring carried by the bolt shank and disposed thereon between its head and one of said eye members, and a stop mounted on the bolt shank and engaging the remote side of the other eye member whereby said spring will yieldably urge the eye members toward one another, said lever being swingable on its pivot for moving the bolt shank across the axis of the lever pivot for releasing or locking said lever, said lever when in a locked position being disposed for positioning the bolt shank between said strand and the lever pivot and with said eye members in a remote position with respect to one another whereby said spring will yieldably urge the eye members and the ends of the strand toward one another.

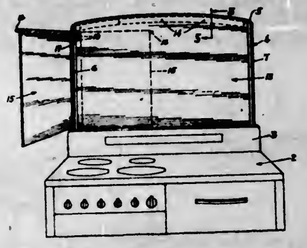
2,482,375
PROCESS OF MANUFACTURING PLASTIC COATED WOOD PROPELLERS OR IMPELLERS
Martin M. Sensenich, Lancaster, Pa., assignor to Sensenich Corporation, Lancaster, Pa., a corporation of Pennsylvania
Application November 22, 1944, Serial No. 564,672
5 Claims. (Cl. 154—132)



1. The process of manufacturing plastic coated wood propellers or impellers which comprises the following steps: roughing out a wood blade core with a tearing action; next, coating said core with a suitable glue comprising a solvent of the plastic sheet material to be used and allowing said glue to dry; next, coating said core with a glue having the above characteristic; next, while said last coating of glue is in a tacky condition, applying solvent washed sheets of plastic while damp to the top and bottom cambers of said core with their marginal portions lapping; next, confining said core and plastic sheets as thus arranged in a mold and subjecting them to a pressure of approximately 30 pounds per square inch and a temperature of approximately 300 degrees Fahrenheit for from five to ten minutes until the plastic material of said sheets softens to such degree that it is more susuceptible to deflection than the wood core; next, increasing the pressure to approximately 200 pounds per square inch while maintaining such temperature; next, cooling the mold to approximately 75 to 100 degrees Fahrenheit and removing the blade; next, removing the flash from the leading edge and tip of the blade; next, removing a portion of the plastic from the leading edge of the blade; next, placing the blade and an armor strip in the mold with the strip disposed over the leading edge of the blade; next, repeating the softening step; next, repeating the molding step and continuing the latter for a period of 15 to 20 minutes; next, repeating the cooling step and removing the blade from the mold; next, removing the flash from the blade; next, balancing the blade; and finally, polishing the exterior face of the blade plastic coating.

2,482,376
WALL PROTECTOR
Helmer O. Serkland, St. James, Minn.
Application July 5, 1945, Serial No. 603,371
1 Claim. (Cl. 45—36)

A wall protector comprising an inverted U-shaped frame having spaced resilient downwardly extending legs connected together at their upper ends by a substantially horizontally disposed cross member, the lower end of each leg having a laterally disposed off-set terminal, tubular guides adapted to be secured to a fixed part of an apparatus with which the protector is to be used, said guides being adapted to slidably receive said frame legs, a flexible wall protecting member having its upper marginal edge portion folded to provide a tube adapted to receive the upper horizontal cross member of the U-shaped frame and whereby the wall protecting member is pendently supported from said horizontal cross member, and the wall of each guide having an aperture

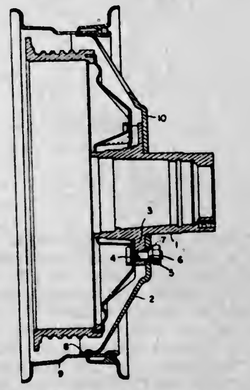


adapted to receive the off-set terminals at the lower ends of said legs, thereby to support the frame and wall protecting member in an elevated operative position.

2,482,377
BETA - CYCLOHEXYL - ALPHA - ALPHA - DI - METHYL-ALPHA-DIMETHYL-ALPHA AMINO ETHANE AND SALTS THEREOF
Robert S. Shelton, Mariemont, and Marcus G. Van Campen, Jr., Wyoming, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application April 9, 1946, Serial No. 660,852
2 Claims. (Cl. 260—563)

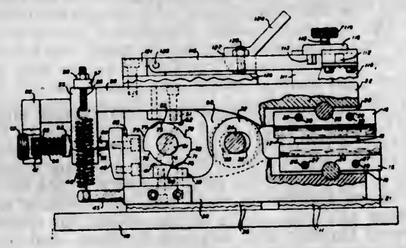
1. Beta-cyclohexyl-alpha-alpha-dimethyl - alpha-amino ethane.

2,482,378
SECURING MEANS FOR DEMOUNTABLE WHEELS
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application June 21, 1948, Serial No. 34,216
3 Claims. (Cl. 301—9)



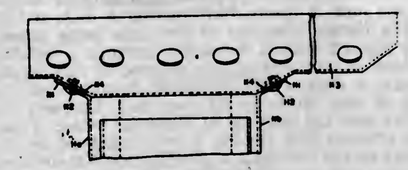
1. A vehicle wheel comprising a hub member having a radial flange, a plurality of transverse bolts on said radial flange, a disk having a substantially radial mounting portion provided with pairs of substantially axially aligned recesses in its opposite sides forming resilient parts of reduced thickness between the recesses of each pair, said resilient parts having holes substantially axially aligned with and connecting the recesses of each pair for receiving said bolts, said holes being provided with frusto-conical sockets at their ends, and nuts having frusto-conical portions engaging said sockets at one side of said resilient parts and resiliently securing the parts of said mounting portion encircling the recesses at the other side of said resilient parts against said radial flange.

2,482,379
MATERIAL CUTTING APPARATUS
George W. Soderman, West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 17,262
12 Claims. (Cl. 125—23)



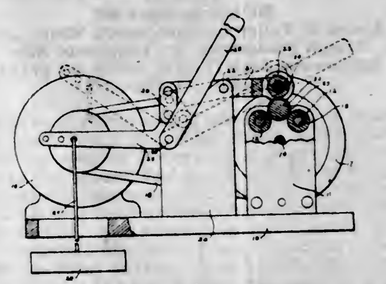
1. In an apparatus for cutting brittle material, a pair of jaws, means to support the jaws for limited longitudinal movement relative to each other, a pair of blades pivotally mounted on the jaws and having opposed and aligned serrated cutting edges, means for supporting material to be cut between the blades, actuable mechanism for closing the jaws and moving them longitudinally in opposite directions to move the cutting edges obliquely with respect to the surfaces of the material, an operating handle and a resilient connection between the handle and the jaw actuating mechanism.

2,482,380
MOUNTING MEANS FOR THE FIXED IRONING ELEMENT OF IRONING MACHINES
Herman A. Sperlich, Detroit, Mich.
Original application September 13, 1941, Serial No. 410,709. Divided and this application April 17, 1944, Serial No. 531,411
1 Claim. (Cl. 38—58)



In an ironing machine having an ironing shoe and a rotatable roll, one of which elements is fixed in position and the other of which is movable toward and from the fixed element, means for mounting the fixed element comprising a support member having at its upper end a spherical cup formation, means on said fixed element adapted to mate with said cup formation, said mating portions being provided with slotted openings, and bolts loosely fitted in said openings and adapted to fix said portions in adjusted position.

2,482,381
METHOD OF TESTING BEARINGS
Claud L. Stevens and Clifford J. Moody, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 17, 1945, Serial No. 583,234
2 Claims. (Cl. 73—150)

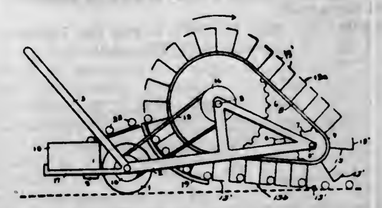


1. The method of testing bearings having a thin layer of soft bearing metal bonded to a hard backing member, comprising, rolling the surface of said bearing metal sufficiently to cause blistering of said layer in the event that said bond is inadequate.

2,482,382
CORROSION RESISTANT ALLOY
Ralph W. Thomas, Waukesha, Wis., assignor to Waukesha Foundry Company, Waukesha, Wis., a corporation of Wisconsin
No Drawing. Application June 12, 1947, Serial No. 754,280
2 Claims. (Cl. 75—170)

1. A copper and iron-free corrosion resistant and castable alloy for use in food processing machinery and consisting of 76 to 79% nickel, 7 to 9% zinc, 6.5 to 8.5% tin, 3 to 5% lead and 1.5 to 2% manganese.

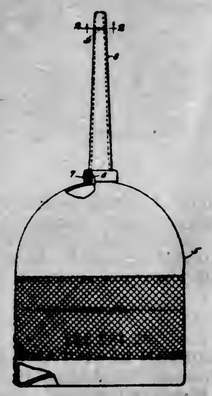
2,482,383
PRUNE PICKER
Joe M. Traverso, Madrone, Calif.
Application September 4, 1946, Serial No. 694,738
6 Claims. (Cl. 56—328)



1. A fruit picker of the type including a frame rollable over a surface, comprising a pair of forward pulleys on said frame, a pair of intermediate pulleys on said frame with their lower peripheral extremity disposed at a substantially higher level than that of the forward pulleys, an endless belt trained around said pulleys, a plurality of transverse slats on said belt so as to follow each other in close succession, a row of bristles on each of said slats spaced from each other a distance less than the normal size of the fruit to be picked up, the bristles on adjacent slats being staggered relative to each other, and a rearwardly extending foot portion on the tip of each bristle adapted to almost touch the tip of a

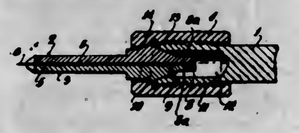
succeeding aligned bristle when said bristles are in parallelism and to spread sufficiently to admit a fruit therebetween when the bristles are radially disposed with respect to the sprockets.

2,482,284
RUBBER OIL CAN
Lester C. Tallgren, Minneapolis, Minn., and Joseph Bonkiewicz, Jr., Lodgepole, Nebr.
Application June 11, 1946, Serial No. 676,016
1 Claim. (Cl. 222—215)



An oil can constructed of rubber, embodying a body portion and spout, a flap valve constructed of rubber and formed integral with the inner wall of the spout, the flap valve being disc-like in formation and being extended across the spout adjacent to the discharge end thereof normally closing the discharge end of the spout, said flap valve being movable under pressure created by flexing the wall of the body portion, releasing oil from the body portion through said spout.

2,482,285
BLADE HOLDER
Joseph T. Urban, Easton, Pa., and Alfred Batzdorff, Brooklyn, N. Y.; said Urban assignor to said Batzdorff
Application May 26, 1947, Serial No. 750,624
2 Claims. (Cl. 279—56)



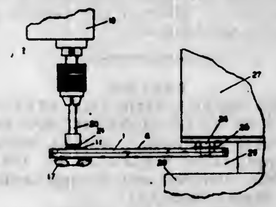
1. A blade holder for surgical use or the like comprising a handle, a tubular end portion provided on said handle, a pair of complementary jaws, the said jaws having forwardly projecting gripping portions and rearwardly extending body portions, flat clamping faces provided on the inner sides of said gripping portions, projections provided on the inner sides of said body portions, the said projections having an aggregate depth substantially equal to the thickness of the blade to be held, and locking means for applying peripheral pressure to said body portions and for securing the same in said tubular end portion, the said gripping portions then projecting outwardly from said tubular end portion and locking means.

2,482,286
KEY RING WITH A SLIDING CLOSURE MEMBER
Harold C. Vaisey and Frederick G. Deming, Rochester, N. Y., assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 23, 1944, Serial No. 550,812
7 Claims. (Cl. 24—239)



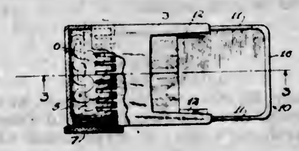
7. A clasp comprising an article-receiving member including a loop and spaced legs, one of the legs being connected with the loop and the other leg being spaced at one end from the loop to provide a gap beyond the loop leading into the same, a closure slidable on said legs for opening and closing said gap, and a spring within the closure carried thereby and disposed between said legs, said spring having a portion arranged to snap into said gap when the closure is positioned on the legs to close the gap.

2,482,287
GEAR-OPERATED DOUBLE-SOCKET WRENCH
Orville D. Veneman, Portland, Oreg.
Application August 5, 1947, Serial No. 766,225
2 Claims. (Cl. 81—52.4)



1. A socket wrench including a housing forked at one end, a drive shaft having a disk, a hub, and a flange, the end of the hub being square and formed with a threaded opening, a bearing formed in one side of the housing to receive the flange, a gear wheel rotatably mounted on the hub of the shaft, a friction disk between the flange and the surface of the gear wheel, a second friction disk having a hub mounted on the square end of the shaft, the said second-mentioned friction disk engaging the surface of the removably mounted gear wheel, a bearing in the housing in alignment with the shaft to receive the hub of the second-mentioned friction disk, a headed, threaded screw, the screw engaging the threaded opening in the shaft and the head engaging the hub of the second-mentioned friction disk, a gear mounted in each fork member of the housing, said gears intermeshing and provided with sockets, and a train of gears between the rotatably mounted gear on the shaft and one of the gears in the fork of the housing.

2,482,288
CLIPPER STERILIZER
Stanley Waraner, Chicago, Ill.
Application July 29, 1947, Serial No. 764,280
6 Claims. (Cl. 21—88)

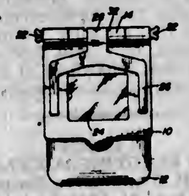


1. In a clipper sterilizer, a carrier frame having a flat base and an inclined top wall having a notch extending inwardly from one end thereof to snugly receive the clipper, side walls connecting said base and top wall, a perforate container at one end of said carrier frame snugly engaging said base, top and side walls; a drawer adjustably received in said carrier frame and movable back and forth into extended and telescoped position with respect thereto cooperating in its extended position with the notched portion of said top wall to receive one end of a clipper and in its telescoped position to snugly embrace the clipper end, and guide means for said drawer connecting same and said carrier frame.

2,482,289
N-SUBSTITUTED AROMATIC SULFONAMIDE POLYMERS
Welcome I. Weaver, Huntingdon, Ind., and Lindsey M. Hobbs, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 3, 1946, Serial No. 659,432
3 Claims. (Cl. 260—79.7)

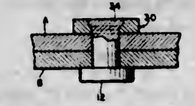
1. A polymeric N,N-trimethylene substituted aromatic sulfonamide selected from the class consisting of benzene, p-chlorobenzene, p-bromobenzene, toluene and o-naphthalene sulfonamides, in which the trimethylene radical contains not more than two substituents, selected from the class consisting of methyl and ethyl, which are connected to different carbon atoms.

2,482,290
HEAT INDICATING JOURNAL BOX CLOSURE
Karl K. Webber, Flora, Ill.
Application September 19, 1947, Serial No. 774,941
10 Claims. (Cl. 116—114.5)



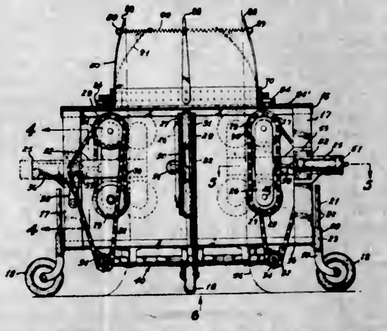
1. A closure for a journal box comprising a lid, means for pivotally securing said lid to a journal box, thermal responsive means associated with said lid for signalling at a predetermined temperature which is deleterious to the mechanism of the journal box, said thermal responsive signal means including a flammable section in said lid.

2,482,291
FASTENER UNIT
David A. Webster, San Diego, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application January 24, 1945, Serial No. 574,248
1 Claim. (Cl. 85—37)



A fastener comprising a stud having a shank and a head on one end of the shank, and a collar having an opening presenting a cylindrical wall for engaging around said shank and having a generally cup shaped recess defined by a wall flaring outwardly from said opening, then extending generally radially with respect to said opening and then flaring slightly to the outer end of the collar, the recess being adapted to be filled by the other end portion of the shank when the same is upset and being proportioned so that the portion upset therein is adapted to assume an axial load of the same order as the tensile strength of the shank.

2,482,292
MACHINE FOR TRIMMING BRANCHES FROM STANDING TREES
Rolfe E. Whitaker, Los Angeles, Calif.
Application December 15, 1945, Serial No. 635,390
1 Claim. (Cl. 47—1)



In a tree trimming machine, an annular frame formed of separable sections adapted to be disposed detachably around a standing tree trunk and supported thereby, an annular unit formed of separable sections rotatably supported by said frame, means for rotating said unit relatively to the frame, cutters carried by said unit for engagement with the tree trunk, and motor driven traction means carried by the frame for engagement with the tree trunk for moving the machine lengthwise thereof, the simultaneous rotation of said unit and lengthwise movement of said frame causing the cutters to execute a helical cutting operation.

2,482,293
ULTRA HIGH FREQUENCY TUNER
Frank Wilburn, Los Angeles, Calif.
Application March 4, 1946, Serial No. 651,906
3 Claims. (Cl. 250—40)

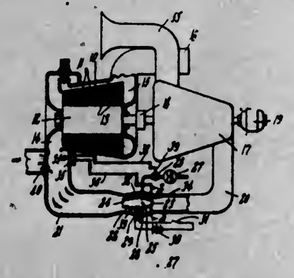
1. A tuner for controlling frequencies throughout a frequency band in the megacycle range embodying a pair of coaxial ring sectors sufficiently close-spaced to one another to have substantial inductive and capacitive effects on each

other throughout said frequency band, an electrical connection between said sectors comprising a brush fixed to one of the sectors and in



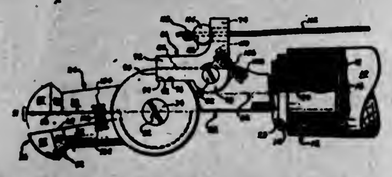
wiping relationship to the other sector, and means mounting one of said sectors for relative rotation with respect to the other about their common axis.

2,482,394
GAS TURBINE
Edwin T. Wyman, Brookline, Mass.
Application February 12, 1945, Serial No. 577,502
5 Claims. (Cl. 60—41)



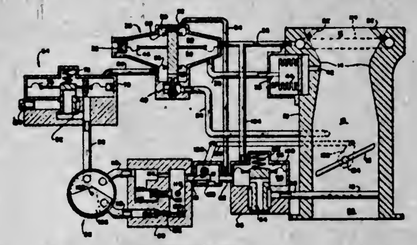
1. In a power plant of the turbine-compressor type having a conduit connecting the compressor and turbine, an athodyd-shaped body disposed in said conduit, having fuel nozzles for feeding fuel into said body at its area of maximum diameter, and ignition means for igniting said fuel therein, whereby air entering said body is first momentarily slowed down, then compressed by the in-rushing air behind it, and then ejected forwardly at greatly increased velocity by the combustion of the fuel therein.

2,482,395
GRIP AND CONTROL MECHANISM FOR BOWLING
Albert A. Zander, Detroit, Mich.
Application December 2, 1947, Serial No. 789,182
13 Claims. (Cl. 2—12)



1. A bowling apparatus for persons having an artificial arm, comprising ball carrying and gripping means secured to said arm, said gripping means being operable into gripping position relative to a bowling ball, releasable locking means operably associated with said gripping means and operable to positively lock said gripping means in ball gripping position, means operably associated with said locking means and operable by the player to release said locking means, and means on said gripping means operable to release said gripping means from gripping position relative to the ball incident to separating movement between the ball and said gripping means following release of said locking means.

2,482,396
CARBURETOR
John M. Barr, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application December 7, 1944, Serial No. 566,974
22 Claims. (Cl. 261—41)

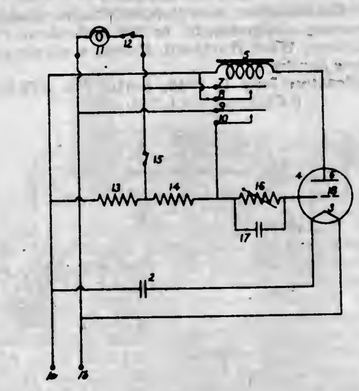


1. A fuel supply system for an internal combustion engine, comprising a conduit for fuel flowing to said engine, a jet system including a plurality of metering restrictions in said conduit for regulating the flow of fuel therethru in accordance with the fuel pressure differential across said restrictions, means for varying said fuel pressure differential, manually operable valve means for selectively opening said restrictions to the flow of fuel and movable between a first position wherein a first restriction is open and a second position wherein said first restriction and a second restriction are open, a third restriction in parallel with said first restriction, an enrichment valve for controlling the flow thru said third restriction, means biasing said enrichment valve to closed position, means subject to said fuel pressure differential for moving said enrichment valve toward open position when said pressure differential exceeds a first predetermined value, a second valve for additionally controlling the flow thru said second restriction, means biasing said second valve to open position, and operating means subject to said fuel pressure differential for moving said second valve toward closed position, said operating means being effective to close said second valve when said fuel pressure differential reaches a second predetermined value greater than said first predetermined value, so that when said fuel pressure differential reaches said second value, only said first and third restrictions are open, regardless of the position of said manually operable valve means.

2,482,397
TIME DELAY ELECTRICAL RELAY SYSTEM
Wallace H. Blankmeyer, Butte, Mont.
Application June 21, 1945, Serial No. 600,738
1 Claim. (Cl. 175—320)

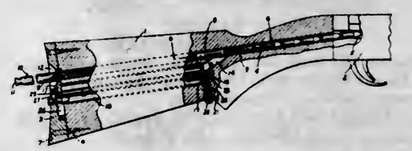
In an electrical timing device using an electron tube having a cathode grid and anode with the cathode energized through a series voltage dropping capacitor, said capacitor connected in series with the cathode and from the anode side of an external alternating current source with the cathode returned to the other side of the A. C.

source, said tube having an input circuit connected between cathode and grid, and an output circuit connected cathode and anode, a relay energized from said output circuit, said relay having two pairs of contacts arranged to be open when relay is energized, first pair of said contacts being in series with any external load to be energized for a time interval, said A. C. source to timing device to supply said external load through said first contact pair, second contact pair being connected in series from cathode side of A. C. source to a capacitor shunted by an adjustable resistor, said capacitor and resistor combination hereafter referred to as the discharge circuit, said discharge circuit being in series with the connection to tube grid, junction point of second contact pair and discharge circuit being returned through two high value series resistances to anode side of A. C. source, said discharge circuit is thereby effectively connected to anode side of A. C. source except when second contact pair closes to return discharge circuit to cathode side of A. C. source, junction of said two series resistances connects with load side of first contact pair with other side of said load returning to cathode side of A. C. source, thus said load becomes part of the tube input circuit as long as relay contacts remain open,



said load circuit being of comparatively low impedance in reference to said two high value resistances maintains the input circuit effectively near cathode potential as long as load circuit continuity exists, opening said load circuit at any point then permits the input circuit to assume potential of anode side of A. C. source through said series resistances, said potential difference existing across grid and cathode results in grid rectification and storing of a potential in said discharge circuit capacitor, said potential across discharge circuit having negative polarity toward the tube grid, said potential being more than sufficient to reduce or block the tube anode current in the output circuit when positive side of discharge circuit is returned to tube cathode, said return to cathode being accomplished by closing external load circuit, said potential across discharge circuit now blocks anode current in output circuit, releasing relay contacts to closed position, said first contact pair energizes external load circuit, said second contact pair connects cathode side of A. C. source to junction of discharge circuit and the two series resistances, said energization of external load continues until potential in discharge circuit capacitor discharges through said adjustable resistance until discharge circuit potential is no longer sufficient to block the anode current, relay is then energized thus opening contacts to deenergize external load at end of timing interval, said timing interval can initiate at any time by opening and closing external load circuit at any point, length of said timing interval to be predetermined by the rate of discharge from discharge circuit capacitor as set on adjustable resistance across said capacitor.

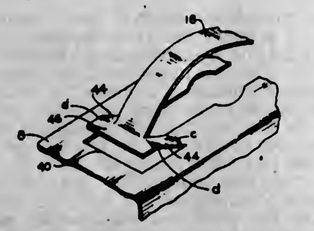
2,482,398
RIFLE
Albert Blanton, Wallins Creek, Oscar H. Howard, Harlan, and Edgar R. Howard, Loyall, Ky.
Application October 30, 1946, Serial No. 706,630
3 Claims. (Cl. 42—87)



1. In magazine-equipped gun assemblages, wherein a primary magazine supplies the shells to and into the breech-loading chamber of the gun for individual firing of the shells, and wherein a secondary magazine is operative to supply a stock of shells to primary magazine activity at will to thereby increase the maximum ammunition capacity of the gun, an assemblage of such type having its primary magazine of tubular form with its tube wall imperforate and with the tube substantially axially alined with the shell bore leading to the breech loading chamber, said tube having a normal shell-advancing spring operative to feed the shells successively from the magazine to the breech-loading chamber, said tube being located with a gun-stock bore, and a secondary magazine assembly positioned below and spaced from the primary magazine and extending in substantial parallelism with and of less length than the primary magazine, said secondary magazine having at least one open-ended container dimensioned to carry a plurality of shells, a controllable shutter mechanism at the advance end of the secondary magazine and operative at will to permit discharge of the container-carried shells en bloc through the advance end of the container, the gun stock having an upwardly extending connecting channel for the movement of shells from said container to said tube bore, said primary magazine normally overlying and segregating said connecting channel from the bore and being withdrawable for a distance sufficient to open communication between the connecting channel and bore in advance of the advance end of the tube and its content, whereby lowering of the muzzle end of the gun to place the connecting channel advancing direction of length as inclined downwardly relative to a horizontal plane and in presence of the withdrawn primary magazine tube together with the opening of communication between the container of the secondary magazine and the connecting channel permits feeding the complete shell content of the container into the tube bore successively and by gravitation with the transferred shells positioned to become a replenished primary magazine charge when such magazine tube is restored to its normal position, the body of the secondary magazine being in the form of an element rotatable about a shaft axis, with the element carrying a plurality of individual open-ended containers of equal length positioned about such axis, the position of the shaft being such that the discharge end of the

upper container of the series is axially alined with the entrance end to the connecting channel, the shutter mechanism comprising a plate overlying the advance open ends of the series of containers, said plate having an opening dimensioned to expose the open end of a single container, the mechanism including an actuating member operative to move the plate arcuately, said member having a projecting end for manual movement of the member in one direction and carrying a spring for moving the member in the opposite direction with the spring normally active to retain the plate opening out of alinement with such upper container with the opening movable into such alined position at will manually.

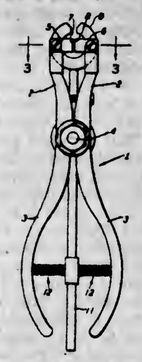
2,482,399
HANDLE FOR BOXES
Wayne G. Bullock, Tacoma, Wash., assignor to Eagle Paper Box Company, Tacoma, Wash., a corporation of Washington
Application July 28, 1948, Serial No. 41,152
6 Claims. (Cl. 229—52)



1. A handle formed from a box part comprising a hand-engaging part defined by spaced, generally parallel and co-extensive side cuts in the box part and by a cut extending transversely of the side cuts and spaced from the ends thereof, and means connecting an end of the handle to the wall to permit the end to be raised out of the plane of the wall when the box is lifted by the handle, said means comprising a strip at each side of the handle integrally connected thereto at one end by the material between the end of a side cut and the adjacent end of the transverse cut and being integrally connected to the wall by a part which is spaced from the connection of the strip to the handle in the direction of the midpoint of the handle.

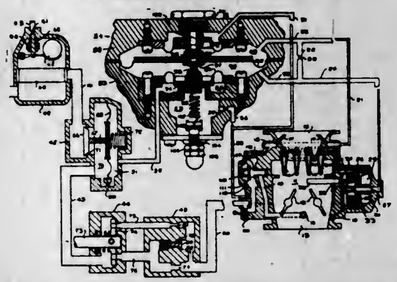
2,482,400
TIPPING-OFF BURNER
Paul O. Cartan, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 15, 1946, Serial No. 690,815
4 Claims. (Cl. 49—15)

3. A tipping-off device for sealing a vitreous tube extending from a vessel, said device comprising in combination a plier having arm and jaw members pivotally mounted on a common pivot pin, said jaw members being provided with shearing elements, an internal ring burner mounted on said pivot pin and lying adjacent to and parallel with said shearing elements, and a conduit for connecting a gas supply to said burner mounted on said pivot pin and adjacent to said arms and formed to lie longitudinally of and midway between said plier arms, and biasing means extending between said conduit and each of said plier arms for holding said plier arms in a normally open position and maintaining said conduit in its position substantially midway between said



plier arms at all times to thereby maintain said burner in centered relation to said shearing elements.

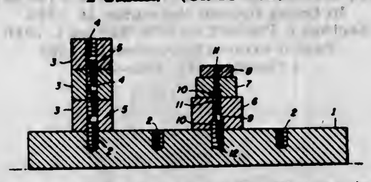
2,482,401
CARBURETOR
Milton E. Chandler, New Britain, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application July 1, 1943, Serial No. 493,071
9 Claims. (Cl. 261—69)



1. A carburetor for an internal combustion engine, comprising in combination, a first conduit for conveying air for combustion purposes to said engine, metering means in said first conduit for producing two unequal pressures therein whose difference is a measure of the quantity of air flowing therethru, a source of fluid fuel under superatmospheric pressure, a second conduit for conveying fuel from said source to said engine, a metering restriction in said second conduit, means for regulating the fuel pressure in said second conduit at the discharge side of said restriction, first valve means for controlling the fuel pressure on the intake side of said restriction and thereby controlling the flow of fuel therethru, means for operating said first valve means including a third conduit for by-passing fuel from said source around said restriction to said fuel pressure regulating means, said third conduit including a restriction, an expansible chamber having a movable wall attached to said first valve means for positioning the same, and second valve means for controlling the flow of fluid thru said third conduit and thereby the pressure in said chamber and the position of said first valve means, said second valve means comprising a seat member having a port therein, a valve member movable with respect to said seat member to open and close

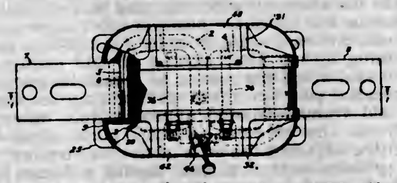
said port, a housing, at least three flexible partitions extending transversely of said housing to provide four expansible chambers in said housing, sleeve means attached to all said partitions and carrying one of said members so that said one member is positioned in accordance with the resultant of the forces acting on said partitions, means for supplying to two of said chambers fluid under said two unequal pressures so that an increase in the difference between said two pressures tends to cause a closing movement of said valve member, means connecting a third of said chambers to said second conduit at the discharge side of said restriction, means connecting the fourth of said chambers to said third conduit so that the difference between the pressures in said third and fourth chambers tends to cause an opening movement of said valve member, and a passage thru said sleeve means connecting said third and fourth chambers and controlled by said valve and seat members, said passage, said third and fourth chambers and their associated connecting means forming a portion of said third conduit.

2,482,402
EDUCATIONAL TOY BLOCKS
James N. Ceroodilos, Hightstown, N. J.
Application May 27, 1948, Serial No. 29,612
1 Claim. (Cl. 35—73)
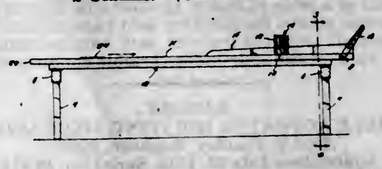


A set of educational and intelligence testing blocks for children comprising an elongated base block, sets of blocks for stacking on said base block, the blocks in one set being alike, and the blocks in the other set being differently shaped than the blocks of the set first-mentioned and of successively smaller size in the set, like devices of the same size and character for securing each block of the first-mentioned set to a lower block in the stack and the lowermost block of the stack to said base block, and devices for securing each block of the second-mentioned set to a lower block of the stack and the lowermost block of the stack to the base block comprising like devices of different sizes relatively, whereby to teach children the difference between like and unlike articles and the difference between articles of different sizes.

2,482,403
ELECTRIC INDUCTION APPARATUS
Franklin R. D'Entremont, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 27, 1946, Serial No. 665,423
3 Claims. (Cl. 175—358)



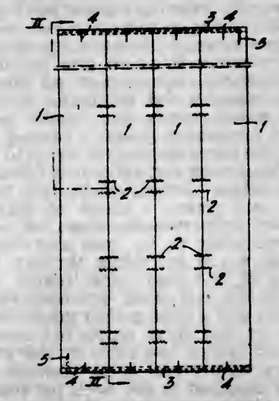
1. A winding comprising, in combination, a multiple strand conductor, said conductor having an end in which its strands are radially superposed and their ends are progressively longer from the outside to the inside so as to present a stepped surface, and a terminal member having a stepped surface fitted into electrical contact with the stepped surface of said end.

2,482,404
DISK PROJECTILE GAME APPARATUS
Julian Domingo, Baltimore, Md.
Application August 23, 1946, Serial No. 692,543
2 Claims. (Cl. 273—126)



1. Game apparatus comprising a longitudinally elongated board having a smooth unindented playing surface, a single target spot on said playing surface spaced rearwardly from and adjacent to the forward end of said surface and positioned midway between the sides of said surface, a headrail on said board extending across the forward end of said playing surface and siderails on said board extending rearwardly from said headrail and reaching rearwardly along the opposite sides of said playing surface to points intermediate the forward and rearward ends of said playing surface, the entire lengths of said headrail and siderails having inwardly declining surfaces serving to gravitationally return to said playing surface and toward said target spot projectiles and target disks striking said declining surfaces whenever a projectile is slid forwardly along said playing surface and strikes a plurality of target disks stacked on said target spot with sufficient force to scatter the projectile and the target disks on said playing surface into contact with said declining surfaces.

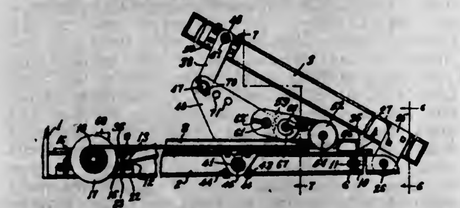
2,482,405
WOODEN SLAB FOR BUILDING PURPOSES
Uno Ivan Samuel Edlund, Akers Styckebruk, Sweden
Application January 6, 1947, Serial No. 720,377
In Sweden September 21, 1943
2 Claims. (Cl. 20—91)



1. A wooden element for use in setting up moulds for concrete constructions, comprising in

combination, a set of pieces of boards placed with their longer edges abutting each other, so as to form a plane slab, said slab having grooves in opposite ends thereof the grooves at the respective ends being in alignment with each other, corrugated elastic metal fasteners driven into adjacent pieces of boards across the joints therebetween for keeping each two pieces of boards together while allowing expansion thereof under the influence of moisture and for positively drawing them close to each other when they become dry and contract, each such fastener to this end being of a length considerably shorter than the width of a piece of board, and metallic bars in said grooves, means for securing said bars against dislodgment from the grooves, said bars providing a flat state of the slab under variable conditions.

2,482,406
CABLE ACTUATED HOISTING MECHANISM
Earl V. Findley, Bushton, Kans.
Application July 26, 1948, Serial No. 40,674
2 Claims. (Cl. 298—21)



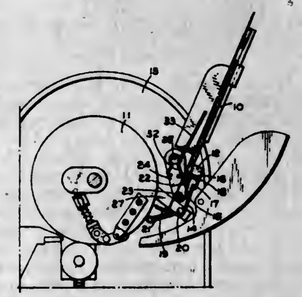
2. In a cable actuated hoisting mechanism for a dump body, a chassis frame and a dump body frame rockably mounted on the chassis frame adjacent their rear ends, a plurality of transverse members included in the chassis frame extending across the same from side to side, one transverse member being positioned adjacent the rear ends of the chassis frame and two transverse members being spaced apart and being adjacent the forward end of the chassis frame, a pair of longitudinal beams spaced apart and extending from first said transverse member to the inwardly positioned member of the two said transverse members and being secured thereto, a winch rotatably carried between said two transverse members, a pair of ears welded to the inner sides of the beams adjacent their rear ends, a pair of pulleys and a shaft to journal the pulleys between said ears, a pair of jointed structures placed inwardly from the sides of the frames and intermediate their ends thereof, one member of each jointed structure being a triangular plate, the other member being an arm having one of its ends rockably connected to an apex of the triangular plate, a rod extending through the plates at another apex and means to journal the rod on the chassis frame, a bearing rockably mounting the other ends of the arms to the body frame, a reinforced rod extending from plate to plate and being journalled in the remaining apices of said plates, a group of three plates spaced apart and extending from the reinforced rod intermediately of its ends and toward the pulley ears, a rod extending through the outward ends of the said three plates, a pulley mounted on the rod being between two of said three plates, and a hook placed upon the rod between two of said three plates not occupied by the last said pulley, the cable of the winch extending rearwardly and being trained over the pulley and attached to the hook for rocking the triangular plates and raising the arms, which in turn, tilts the body frame.

2,482,407
PILE AND KNIFE GUIDE FOR PILE CUTTING MACHINES
Joseph A. Firsching, Utica, N. Y.
Application October 17, 1945, Serial No. 622,869
4 Claims. (Cl. 26—3)



1. In a pile and knife guide for pile cutting machines, a member made of a single piece of wire, said wire being folded double and spot welded in a portion thereof and branching outwardly from the folded part to form a V shaped opening for the admittance of a circular knife, the branch portions of said wire turning inwards towards each other and coming together in parallel relation and then doubled back each upon itself, whereby to form members for strengthening said guide.

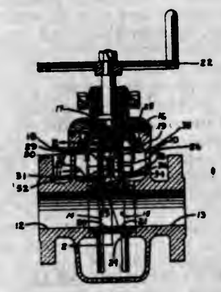
2,482,408
MASTER SHEET CHANGE MECHANISM FOR DUPLICATING MACHINES
Frank Ronald Ford, Birmingham, England
Application April 9, 1947, Serial No. 740,447
In Great Britain November 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1965
4 Claims. (Cl. 101—132)



1. In a duplicating machine a stationary frame, a cylinder rotatably mounted in said frame, a mechanical clamp on said cylinder adapted when open to receive the edge of a master sheet, and when closed to secure same to said cylinder, actuating means on said frame biassed to a normal inoperative position but capable of being moved manually into an operative position, said actuating means when in the operative position being adapted to effect automatic opening and closing movements of said clamp at predetermined angular positions during rotation of said cylinder, means for automatically retaining said actuating means in the operative position after movement thereto, means on said cylinder for tripping said retaining means after closing of said clamp to allow said actuating means to regain its normal inoperative position, a feed tray for a master sheet on said frame disposed approximately tangentially to the cylinder, a stop plate pivotally mounted adjacent the edge of the tray nearest to the cylinder, said stop plate having a flange the edge of which is normally disposed near to the surface of the cylinder, said flange being disposed

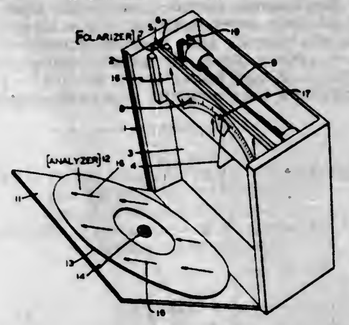
transversely to the plane of the tray, a rockshaft disposed on an axis parallel to the axis of the cylinder, said rockshaft being disposed between the tray and the cylinder, an actuating lever on said rockshaft having means adapted to be displaced by means associated with said clamp as the cylinder revolves, said rockshaft means being angularly spaced, in relation to the cylinder axis, from said stop plate so as to rock the rockshaft when the clamp is approaching the stop plate, sheet deflecting levers on said rockshaft, carrying a sheet deflecting bar for moving the edge portion of a sheet on the tray towards the cylinder when the rockshaft is rocked, and means for moving said stop plate to bring its flange away from the cylinder before the clamp in its projecting position reaches said stop plate.

2,482,409
THROUGH CONDUIT GATE VALVE
James M. Fowler, La Porte, Tex., assignor to W-K-M Company, Inc., Houston, Tex., a corporation of Texas
Application September 9, 1947, Serial No. 772,998
11 Claims. (Cl. 251—62)



5. A valve gate assemblage adapted for rectilinear movement between opposed parallel valve seats comprising: two abutting members having parallel outer faces to engage the valve seats and abutting inner faces which diverge outwardly from the central waist portions of said members to provide two sets of wedging surfaces effective to expand said assemblage and force said members oppositely into sealing engagement with the valve seats upon relative shifting between said members in either direction of their movement from a centered relative position corresponding to the minimum overall transverse dimension of said assemblage between the valve seats; means defining at least two laterally spaced pairs of opposed abutment faces on one of said members; means defining at least one pair of opposed abutment faces on the other of said members, all said faces being disposed substantially normal to the direction of movement of said members with the faces of said one pair interfitting in the lateral space between corresponding faces of said two pairs, corresponding faces of all said pairs being aligned when said members are in said centered position; and a compressible coil spring interposed in common between and bearing against the opposed faces of each of said pairs, whereby relative shifting of said members in either direction causes one end of said spring to bear against abutment faces on only one of said members and the other end of said spring to bear against abutment faces on only the other of said members to thereby oppose said shifting.

2,482,410
ILLUMINATED DIAL HAVING POLARIZING ELEMENTS
Allen K. Gaetjens, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 3, 1944, Serial No. 543,405
2 Claims. (Cl. 88—65)

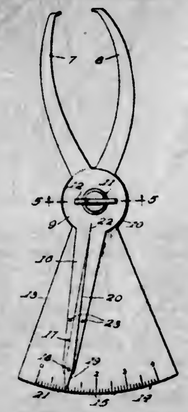


1. A dial comprising a translucent diffusing plate having opaque calibrations positioned in an arcuate path on one face thereof, a polarizer covering said face for polarizing light transmitted by the plate, an opaque pointer pivoted with its free end opposite the calibrated portion of the plate and movable in an arcuate path in a plane transverse to the path of the polarized light, a flat optically active member substantially smaller than the calibrated portion of the plate mounted on the free end of the pointer opposite the said calibrated portion and transverse to the path of travel of the polarized light for rotating the plane of vibration of the polarized light incident thereon and consisting of two sheets of transparent birefringent material having their crystalline axes at an angle of approximately 45° to each other, an analyzer screen in the path of the polarized light from the polarizer and the said member and through which the pointer and the calibrated portion of the plate are visible and means supporting said analyzer and said pointer in spaced relation to each other and to said plate and said polarizer, said analyzer being mounted for rotation on said means into a first position in which it passes the polarized light coming directly from the polarizer and not that transmitted by the optically active member so that the calibrated portion of the plate except the part thereof behind the said member is visible through the analyzer, a second position in which it passes both the said direct and the said transmitted light so that the entire calibrated portion of the plate is visible through the analyzer and a third position in which it passes the transmitted light in any angular position of the pointer in its arcuate path and not the said direct light so that only that part of the calibrated portion of the plate behind the said member is visible through the analyzer.

2,482,411
MICROMETRIC CALIPERS
George S. Geddes, Vandalia, Ill.
Application January 3, 1946, Serial No. 638,842
2 Claims. (Cl. 33—148)

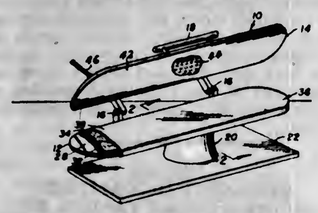
1. Micrometric calipers comprising two work-gauging arms, a clamping pivot connecting said work-gauging arms for relative opening and closing movements, a sector rigidly connected with one of said work-gauging arms and having radial grooves forming a scale, said scale denot-

ing distances which said arms may be opened, a finger rigidly connected with the other of said work-gauging arms and extending substantially to said scale, a pointer pivoted between its ends to the free end of said finger on an axis parallel with said clamping pivot, said pointer having a short operating arm movable along said scale and provided with a sharp prong to selectively enter the grooves forming said scale, said prong being of such cross-sectional shape that it may rotate slightly in any selected groove as said pointer swings upon its pivot during relative movement of said finger and sector, said pointer also having a long pointing arm extending longi-



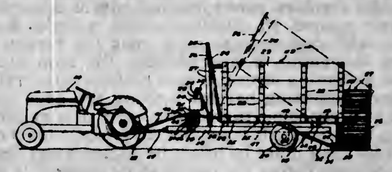
tudinally of said finger toward said clamping pivot, and a stationary indicator in fixed relation with said finger for cooperation with said long pointing arm; whereby upon loosening said clamping pivot, said work-gauging arms may be swung approximately to a required spaced relation, said prong may then be inserted into the scale groove denoting substantially the exact arm spacing required, said work-gauging arms may then be relatively moved until said long pointing arm coincides with said stationary indicator, and said clamping pivot may then be tightened, thereby accurately setting said work-gauging arms the exact required distance apart.

2,482,412
PRESS PAD
Melvin Gershon, Kansas City, Mo., assignor to Arrow Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application January 19, 1948, Serial No. 3,070
4 Claims. (Cl. 38—66)



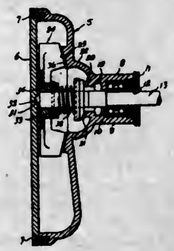
1. A unitary laminated pad for a steam heated pressing buck comprising an asbestos bottom layer adapted for disposition on the upper face of the buck, a glass insulating layer superimposed on the asbestos layer and joined permanently thereto, a top sponge rubber layer secured on the glass insulating layer and means to secure the pad on the buck.

2,482,413
COMBINED TRACTOR POWERED DUMP WAGON AND ELEVATOR
Paul R. Gibson, Miller, S. Dak.
Application April 20, 1948, Serial No. 22,217
2 Claims. (Cl. 214—82.16)



1. The combination with a tractor including a power take-off shaft, of a trailer adapted to be towed by said tractor, said trailer including a frame, a dumping body carried by said frame, an endless conveyor type of elevator, means mounting said elevator to receive material dumped from said body, a hydraulic pump carried by said frame, a hydraulic ram operatively connected to said pump for actuation thereby, means mounting said ram on said frame and operatively connecting the same to said body for moving the same to and from a dumping position upon actuation of said ram in opposite directions, a driven shaft positioned intermediate said pump and said take-off shaft and operatively connected at its one end to said power take-off shaft and its other end to said pump to drive the latter, a second power take-off shaft, means mounting said second shaft on said frame longitudinally thereof, means operatively connecting said second shaft to the other end of said driven shape for actuation thereby, and means for detachably connecting said second shaft to said elevator to drive the latter.

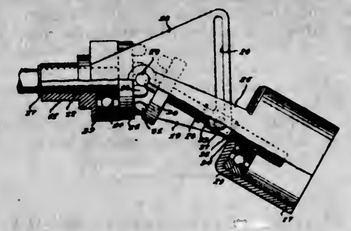
2,482,414
WATER PUMP SEAL
Kenneth B. Gillespie, Tazewell, Va.
Application July 23, 1948, Serial No. 40,392
2 Claims. (Cl. 103—103)



1. A rotary pump for liquid, comprising a pump housing having a back plate formed with a bearing recess, and a tubular part containing an axial anti-friction bearing aligned with said bearing recess, said tubular part terminating at its rearward end in an annular seat, a pump shaft journaled in said anti-friction bearing and extending rearwardly through said annular seat with its rearward end supportably engaged in said bearing recess, a vaned impeller fixed on said shaft to the rear of said annular seat, a seal on said shaft adjacent to said seat, spring means on said shaft between said impeller and said seal and maintaining said seal engaged with said seat, said shaft comprising forward, intermediate and rearward sections, with said seal mounted on said intermediate section, said back plate being re-

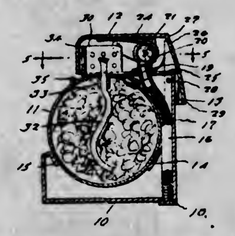
movable, means separably connecting and providing positive axial alignment and non-rotary assembly of said shaft sections, whereby upon removal of said back plate said rear shaft section can be disconnected from said intermediate shaft section to provide access for removing and reinstalling said spring means and said seal on said intermediate shaft section.

2,482,415
PIN-GEARED KNUCKLE
Ray G. Hilton, Austin, and Benjamin C. Highsaw, Beaumont, Tex.
Application June 27, 1947, Serial No. 757,596
4 Claims. (Cl. 74—380)



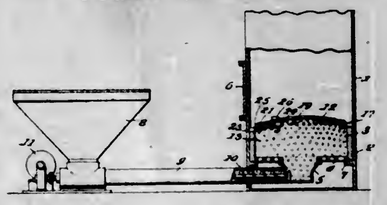
3. A knuckle joint comprising a first shaft, a second shaft, interengaging pin members carried at the ends of the shafts, a bearing housing in which said first shaft is journalled, a second bearing housing in which the second shaft is slidably journalled, means pivotally connecting said housings for relative rotation around an axis passing through said interengaging pin members, and cam means for retracting one shaft relative to the other shaft responsive to said relative rotation, said cam means including a yoke secured to said first bearing housing, a pair of arms secured to said second bearing housing adapted to be rotatably pinioned at their ends on said yoke, a slotted extension on said yoke, and a slidable collar on said second shaft engageable with said slotted extension, whereby said discs are movable relative to each other.

2,482,416
CIGARETTE AND PIPE LIGHTER
Elijah A. Holland, Brooks Field, Tex.
Application February 25, 1947, Serial No. 730,714
3 Claims. (Cl. 67—7.1)



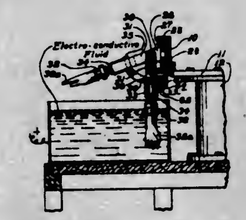
1. A lighter device comprising a flat hollow casing having an elongated aperture on one side thereof, a pair of wind guards mounted on said casing adjacent one end of said aperture in opposed space relation, a rotatable disk-like fluid container frictionally supported within said casing and having a segment thereof partially projecting through said aperture, a wick disposed within said container and having an end projecting from the latter, said container being rotatable to shift the projecting end of said wick to a position between said windguards and to shift the projecting end of said wick to a position free of said windguards, an abrading wheel rotatably supported on said casing adjacent said windguards, a flint element positioned adjacent said aperture and in operative engagement with said abrading wheel, and a cap hingedly attached to said casing for normally enclosing said wick when the latter is in a guarded position, said cap being operatively attached to said abrading wheel to rotate the latter when said cap is moved to an open position, thereby generating the spark for igniting said wick.

2,482,417
COKE TREE PREVENTING GUARD FOR BOILERS AND FURNACES
Santo Imbresci, Chicago, Ill.
Application February 10, 1948, Serial No. 7,363
6 Claims. (Cl. 110—45)



4. A coke tree preventing guard for boilers and furnaces comprising an apertured arcuate plate having parallel bars formed at its opposite ends, offset supporting legs pivotally mounted on the ends of one of said bars, means on said plate for lifting one end thereof, and a bracing rod pivotally mounted on the opposite end of the plate from said supporting legs.

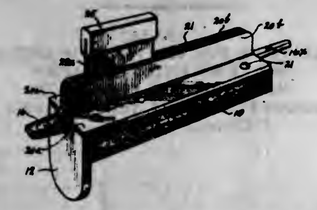
2,482,418
METHOD AND APPARATUS FOR PRODUCING HOLLOW ARTICLES OF RUBBERY MATERIALS
William L. Jenkins, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 6, 1946, Serial No. 688,593
7 Claims. (Cl. 18—24)



1. In the manufacture of shaped hollow articles of rubber-like materials, the method which comprises associating a shaped hollow deposit of coherent coagulum comprising rubber-like material having an aqueous phase with a water-impervious hollow non-conductive supporting body of irregular shape having electro-conductive material disposed interiorly of said body in a position that the electro-conductive material presents a surface substantially conforming to the outlines of said supporting body throughout its extent, immersing the said body and deposit

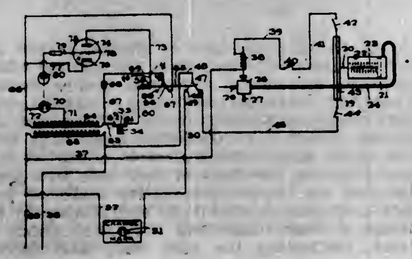
thereon in a bath of fluid non-aqueous electroconductive material, said fluid material being in direct contact with said deposit, applying a high-frequency alternating current to said body and bath as electrodes until the deposit has been dried and vulcanized to a substantial extent, and thereafter removing the deposit from the said body.

2,482,419
SCRAPER SHARPENER
George Walter Jerrells, Seattle, Wash.
Application November 10, 1947, Serial No. 784,965
2 Claims. (Cl. 76—88)

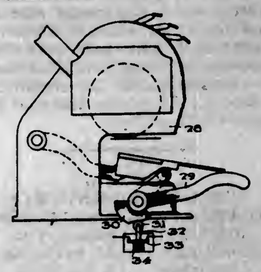


1. A scraper sharpener comprising a horizontal base member designed to rest flatly upon a table top for its functional support and having a depending flange at one end for engaging against the table edge; said base member having a recess formed to its full length centrally of its top surface, a file blade disposed flatly therein, said recess being of slightly greater depth than the file thickness and of greater width than the file to permit lateral shifting of the file therein, and open to its full width at one end for the insertion or removal of the file, and having a restricted opening centrally at its other end for passage of the file tang with looseness and providing abutments at opposite sides of the opening against which that end of the file will engage, and a pair of guide bars fixed in parallel, spaced relationship on the base member, lengthwise of the recess, providing an intermediate slot, open at its ends, and adapted to receive the blade of a scraper therein for a sharpening operation; said guide bars being of angle iron form and each having a horizontal flange fixed to the base member, and a vertical flange, said vertical flanges defining the slot and serving to hold the scraper perpendicular and reciprocally movable in contact with the file blade.

2,482,420
CONTROL MECHANISM FOR LAUNDRY MARKING MACHINES
William John Kesper, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application July 7, 1944, Serial No. 543,836
17 Claims. (Cl. 101—95)



2,482,420—Continued



1. A control for laundry marking machines comprising the combination with a laundry listing machine and a laundry marking machine, of means, actuated by said listing machine in the operation of printing a list thereby, for disabling said marking machine for subsequent marking operations; and means effective only while the listing machine is in non-printing condition for enabling said marking machine to permit subsequent marking operations thereby.

2,482,421
FLAT TUBE ELECTRICAL DEVICE
Eugene Lemmers, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 21, 1943, Serial No. 507,073
9 Claims. (Cl. 49—89)



1. An envelope for evacuated electric devices comprising a flattened tube of vitreous material having only its longitudinal edges in a state of surface compression sufficient in amount to effectively compensate stresses set up by atmospheric pressure and tending to rupture the tube when it is evacuated.

3. In the manufacture of a flattened envelope tube of vitreous material having narrow longitudinal edges and wide longitudinal walls, the method of rendering the tube effectively resistant to collapse by external atmospheric pressure when the tube is evacuated, which comprises subjecting the said longitudinal edges and wide longitudinal walls to different thermal treatments which will produce a state of surface compression in only the said longitudinal edges.

2,482,422
KEY HOLDER
Elliott R. Loew, Jamaica, N. Y.
Application April 30, 1947, Serial No. 744,946
3 Claims. (Cl. 150—40)



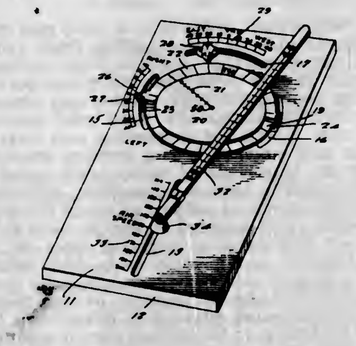
1. A holder for a plurality of keys comprising a plurality of lengths of material each of

which is folded transversely on itself to form a loop, key supporting means trapped within each of the loops, the loops each being permanently closed by a rivet, both sides of which rivet consist of snap-fastener components adapted to be releasably engaged by a complementary snap-fastener component on an adjacent length.

2,482,423
COPPER BASE ALLOY
Vincent T. Malcolm, Springfield, Mass., assignor to The Chapman Valve Manufacturing Co., Springfield, Mass., a corporation of Massachusetts
No Drawing. Application March 12, 1947, Serial No. 734,222
3 Claims. (Cl. 75—164)

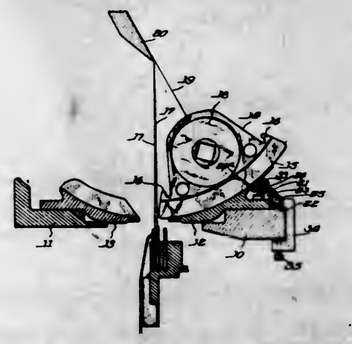
1. A method of making a titanium-containing copper alloy consisting in placing metallic titanium in the bottom of a furnace in which the alloy is to be melted, covering said titanium with a flux of potassium nitrate and borax and ground charcoal, charging the furnace with a copper base metal ingot, covering the charged alloy with a mixture of charcoal and borax, melting to an oxidizing flame, deoxidizing with a small amount of phosphorus.

2,482,424
NAVIGATION INSTRUMENT
Taylor McConnell, Monte Vista, Colo.
Application January 29, 1946, Serial No. 644,077
4 Claims. (Cl. 33—76)



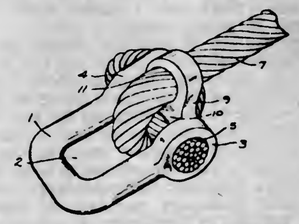
1. A navigation instrument comprising a base formed with a longitudinal slot calibrated along its length in air speed units, a compass disc pivotally mounted in said base on an axis aligned with said slot, a wind disc pivotally mounted on said axis in overlying relation to and of smaller diameter than said compass disc, said wind disc carrying a radial pointer thereon calibrated along its length in wind velocity units, an elongated stick member slidably and pivotally secured at one end thereof in said longitudinal slots, said stick member being calibrated along its length in ground speed units, a drift pointer rotatably mounted on said axis and frictionally engaging said compass disc, an arcuate scale concentric with said axis positioned adjacent said drift pointer, and an operative connection between said stick member and said drift member whereby rotation of said stick member is operative to rotate said drift pointer, wind disc and compass disc as a unit.

2,482,425
LUBRICATING MEANS FOR COMB BARS AND BOBBIN SHUTTLES FOR LACE LOOMS
Edward W. Medbery, Arlington Heights, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1947, Serial No. 734,453
10 Claims. (Cl. 87—54)



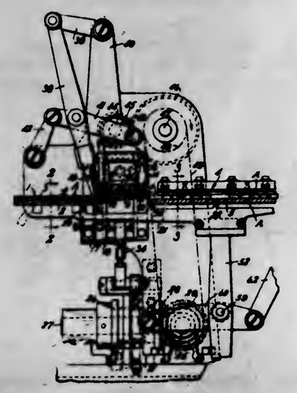
1. Lubricating means for traveling bobbin shuttles for lace looms comprising in combination a base member, means whereby the base member is secured to the loom, an oil reservoir on said base member, a capillary oil conveyor extending into the oil reservoir and into the path of travel of the bobbin shuttles whereby intermittent engagement of the said oil conveyor and bobbin shuttles is obtained by the oscillating of the bobbin shuttle and means intermediate its ends whereby the said capillary oil conveyor is held onto the said base member.

2,482,426
ARCH FITTING
William A. Meighan, Portland, Oreg.
Application July 27, 1948, Serial No. 40,589
5 Claims. (Cl. 24—129)



5. A terminal rope fitting for use with logging arches comprising, an integral body forming a U-shaped section having heads formed at the extremities thereof, one of said heads being longer than the other, axially alined tunnels extending transversely through said heads, a second tunnel in said longer head diverging from its adjacent tunnel in the direction toward the inner face of said head, and a yoke extending transversely between said heads and overlying said axially alined tunnels, said yoke projecting obliquely upward and rearward from between said heads toward the closed end of said U-shaped section, said yoke being provided with an eye extending normal to the axis of said alined tunnels, the axis of said eye projecting obliquely upward with respect to the plane of the U-shaped section in a forward direction through said yoke.

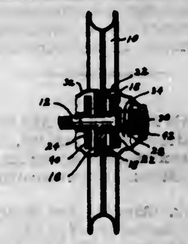
2,482,427
GROUP ARRANGING CONVEYER MECHANISM
Carl E. Melhorn, Springfield, Mass., assignor to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application May 2, 1947, Serial No. 745,249
4 Claims. (Cl. 198—31)



1. A device of the character described which comprises a supply channel, a discharge channel spaced from the supply channel, a vertically movable elevator mechanism positioned between the supply and discharge channels, upper and lower article assembly channels formed in the elevator, each assembly channel including a pair of transversely spaced supporting members extending from one end of the elevator to the other, a transfer mechanism, including a member engageable with the trailing edge of a group of wrapped articles positioned in the supply channel when the elevator is in lowered position with the entrance to the upper assembly channel registering with the supply channel and the exits of both assembly channels registering with the discharge channel, cam means advancing said transfer member to move the engaged group into said upper assembly channel and return said transfer member in a closed path to group engaging position, means to raise the elevator during the return movement of the transfer member and position the entrance of the lower assembly channel at the level of the supply channel to receive a group of articles on the next forward movement of the tansfer member, means to lower the elevator to its initial position, a discharge member engaging the trailing edges of the groups of articles in both the upper and lower assembly channels and means to advance said discharge member to move the groups of articles in the assembly channels into superposed relation in the discharge channel substantially simultaneously with the advance of a group of articles into the upper assembly channel by the forward movement of the transfer member.

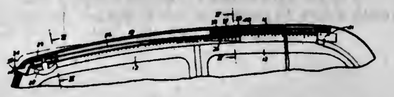
2,482,428
MAGNETIC BRAKE
Albert E. Miller, Dayton, Ohio
Application June 10, 1947, Serial No. 753,679
11 Claims. (Cl. 242—84.5)

5. In a combined electromagnetic and friction brake device, a pair of relatively rotatable units, means for supporting said units for relative axial movement into and out of frictional engagement with one another, the first of said units comprising means for establishing a magnetic field and the second of said units comprising a metallic member movable through said magnetic field whereby eddy currents are set up in said metallic member and said units repel one another, and



means including a cam for forcing said units into frictional engagement in response to a predetermined degree of relative rotation of said units.

2,482,429
SLIDING ROOF FOR VEHICLES
Herbert Mobbs, Church Brampton, near Northampton, and George Henry Smith, Slough, England
Application November 21, 1947, Serial No. 787,366
In Great Britain November 28, 1946
6 Claims. (Cl. 296—137)

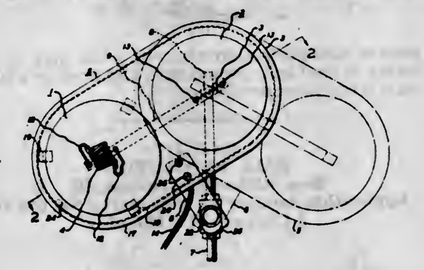


4. A vehicle roof comprising a fixed roof portion with an opening therein at its front end, a slidable panel adapted to close said opening, guide rails at each side of the fixed roof portion extending near to the front thereof and extending backwardly under the fixed roof portion, anti-friction means for supporting said slidable panel on said guide rails at a position intermediate of its length about which said panel is adapted to rock in its forward position, additional anti-friction means of support adjacent the front end of said panel adapted to run on said guide rails when said panel is retracted from or advanced towards said opening but to drop beyond the front ends of said guide rails when the panel is in its forward closing position, locking mechanism on said panel adapted to draw down the front of said panel in its forward closing position, and lateral guide members comprising rolling surfaces secured to said panel near to the front and rear ends thereof adapted to engage with lateral guide surfaces associated with said guide rails when the panel is in positions other than that in which it closes the opening in said fixed roof position.

2,482,430
PHOTOGRAPHIC LIGHTING UNIT
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 6, 1945, Serial No. 633,177
2 Claims. (Cl. 240—1.3)

2. A photographic lighting unit comprising a support, a lamp holder having thereon a pair of illuminants each comprising a sealed envelope having a light concentrating reflector portion mounted in side-by-side position on said holder with their reflectors facing in the same direction and including a continuous light source and a

flash tube at the focus of their respective reflectors, said holder being pivoted on said support with its center of gravity offset from its pivotal axis and movable to either side of said axis and engagement means including a strap on said housing engageable with said support



to hold said housing with one of said illuminants in a predetermined position when the center of gravity of said housing is on one side of said axis and to hold said housing with the other of said illuminants in the same said predetermined position when the center of gravity of said housing is shifted to the other side of said pivotal axis.

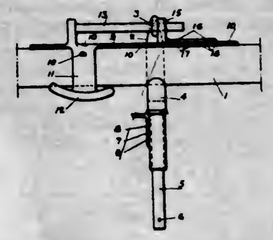
2,482,431
COMBINATION EYE DROPPER AND EYEWASH CUP
Robert H. Okawa, Kahuka, Oahu, Territory of Hawaii
Application August 14, 1947, Serial No. 768,618
1 Claim. (Cl. 128—233)



A combination eye dropper and eye wash cup comprising a cup portion adapted to comfortably fit the eye socket of a user and having an aperture in the base thereof, said cup portion having a protective eye engaging beading, a resilient sleeve received in the aperture in said cup portion, an open-ended tubular sac holding member removably carried by the sleeve, a stop carried by the sac holding member for limiting and gauging the insertion of the sac holding member into the cup portion, and a removable sac carried by the sac holding member, said sac holding member including an annular concaved support embracing one end of the sac.

2,482,432
OARLOCK
Karl Erik Filip Olsson, Klockargarden, Orno, Sweden
Application May 23, 1947, Serial No. 750,059
In Sweden September 12, 1946
4 Claims. (Cl. 9—26)

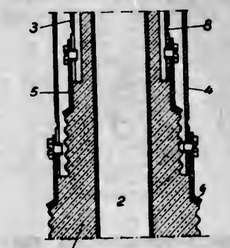
1. In an oar-lock permitting longitudinal displacement of the oar, the combination of a curved standard extending over the top of the oar, said standard having a loop at the top, a fitting on the oar comprising a shaft extending substantially parallel to said oar and being arranged at the top thereof, said shaft passing through said loop at the top of said standard, means for limiting the longitudinal displacement of said loop along said shaft, a shoulder at the lower side of the oar, and an abutment on the standard cooperative with said shoulder, said shoulder being of less length than the range of longitudinal displacement of



the oar and also being arranged so as to cooperate with said abutment within a predetermined portion of said range of longitudinal displacement of the oar only.

2,482,433
SECURING MEANS FOR ELECTRICAL HIGH VACUUM VESSELS
Gunnar Johan Persson, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application September 26, 1946, Serial No. 699,440
In Sweden September 27, 1945
6 Claims. (Cl. 250—27.5)

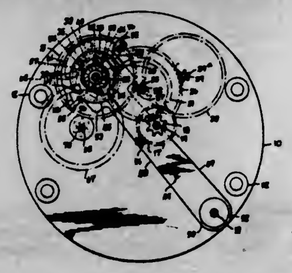
1. A high-evacuated vessel for electrical purposes having a ceramic insulator at least partly inside said vessel and comprising a support wholly enclosed within the vacuum space of said vessel made of a metal alloy having a coefficient of thermal expansion near that of the insulator, a fused glass joint between said support and insulator, and a metal part of a material different from that of said support wholly enclosed within the vacuum space of said vessel and carried by said support.



2,482,434
ROTARY MOTION-TRANSLATING DEVICE
Arthur B. Poole, Harwinton, Conn.
Application April 22, 1948, Serial No. 22,600
2 Claims. (Cl. 74—84)

1. A rotary motion-translating device, including in combination; a driving-member; means to rotate said driving-member continuously and at a substantially-uniform speed; an intermittently-rotatable driven-member; motion-converting mechanism comprising an intermediate member driven continuously at a substantially-uniform speed by said continuously-rotating driving-member, resilient transmitting-means arranged to couple said intermediate continuously-driven member to said intermittently-rotatable driven-member, and a latch-element operated by said

intermediate continuously-driven member arranged to successively latch and release said intermittently-rotatable driven-member to impart intermittent rotation thereto; and governor-mechanism driven at a substantially-uniform speed by said continuously-rotating driving-member, said governor-mechanism being arranged to be coupled with said intermittently-rotating driven-member to control its speed of rotation such that during successive intervals of rotation its speed of rotation corresponds substantially to the uniform speed of rotation of said governor-mechanism.



2,482,435
RATCHET MECHANISM FOR TIMEPIECES
Arthur B. Poole, Harwinton, Conn.
Application August 10, 1948, Serial No. 43,405
10 Claims. (Cl. 58—46)



1. In a ratchet-mechanism, the combination with a ratchet-wheel and a coaxial drive-wheel mounted in juxtaposition thereto with capacity for relative rotary movement, the said drive-wheel having substantially diametrically-opposed radial clearance-apertures; of a pawl-plate located in juxtaposition to said drive-wheel on the side thereof opposite said ratchet-wheel, said pawl-plate being movable transversely with respect to said drive-wheel and having diametrically-opposed fingers movable in and arranged to project through the radial apertures respectively of said drive-wheel into engagement with the teeth of said ratchet-wheel, said fingers being adapted thus to lock said drive-wheel to said ratchet-wheel for rotating said drive-wheel in the direction of rotation of said ratchet-wheel and to be moved positively into and out of engagement with successive teeth of said ratchet-wheel when the latter is rotated relative to said drive-wheel.

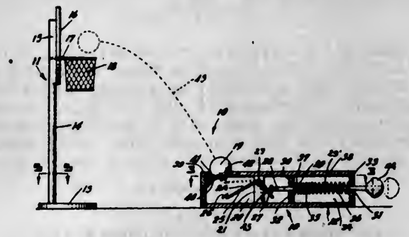
2,482,436
TOY GUN CARTRIDGE
Kenneth C. Ream, Alexander, Kans.
Application September 30, 1947, Serial No. 776,911
3 Claims. (Cl. 102—38)

1. In a cartridge for a toy gun adapted to be inserted into the muzzle end of a toy gun, said cartridge including a case section and a projectile section shaped and dimensioned to snugly fit the bore of said gun, one of said sections having a projection of reduced dimension, the other section having a bore shaped and dimensioned to snugly



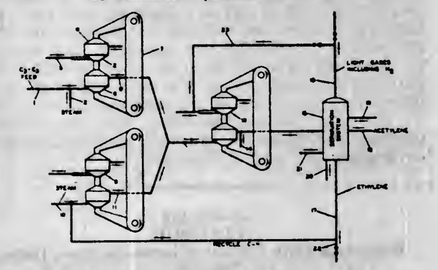
receive said projection whereby a cap may be inserted in said last-named bore and fired by a blow on the rearmost section.

2,482,437
BALL PROJECTOR
Ross Richards, Newman, Ill.
Application January 25, 1946, Serial No. 643,363
5 Claims. (Cl. 124—16)



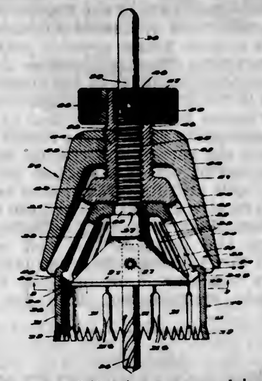
1. A game apparatus comprising a box including a top, a projectile recess in the top, a shaft carried by said box, a bell-crank lever pivotally mounted on said shaft and having one end positioned for movement toward said top and said recess, and a spring controlled plunger slidably mounted in said box for striking said lever to project a projectile seated in said projectile recess, said top and said recess being parallel to said plunger.

2,482,438
ACETYLENE MANUFACTURE
Sam P. Robinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 24, 1946, Serial No. 671,983
13 Claims. (Cl. 260—679)



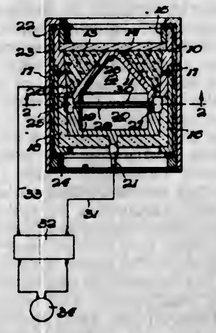
5. The method of making acetylene which comprises passing an ethylene-rich gaseous stream containing essentially hydrocarbons as reactants through a catalytic bed constituted by a highly extended mass of stainless steel containing at least 7 per cent nickel and maintained at temperatures within the range of 1600 to 2500° F. for a time such that hydrocarbon including ethylene is converted to acetylene but that decomposition of acetylene is substantially prevented, continuously withdrawing the effluent and immediately quenching same with water to a temperature not over 500° F.

2,482,439
ADJUSTABLE HOLE SAW
Luther A. Smith, Birmingham, Ala.
Application May 16, 1946, Serial No. 670,154
17 Claims. (Cl. 77—69)



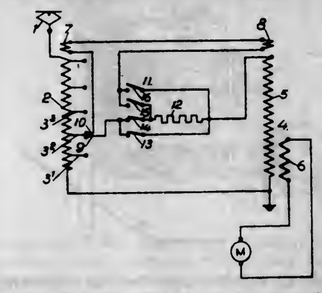
1. A hole-saw of the type comprising a tubular saw blade and a supporting core therefor, particularly characterized in that the supporting core for the saw blade comprises an expansible saw blade support with means for expanding the same and means for retaining the saw blade thereagainst and in that the saw blade is a split flexible blade flexed by adjustment of said expansible support and said blade retaining means to adjust the effective diameter of the blade for the sawing of holes of any desired size within the limits of adjustment.

2,482,440
RADIANT ENERGY RECEIVER
Gregory V. Rylsky, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 13, 1944, Serial No. 526,246
12 Claims. (Cl. 250—83.3)



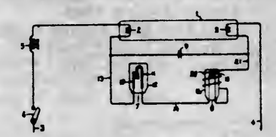
1. Radiant energy receiving apparatus comprising a casing, a variable capacity condenser comprising a pair of spaced resilient diaphragms in said casing and defining a variable pressure chamber therebetween, means responsive to radiant energy to effect changes in pressure within said chamber whereby said diaphragms are actuated in opposite directions to vary the capacity of said condenser, said diaphragms being arranged to be actuated in the same direction in response to forces other than that provided by said last-named means whereby the capacity of said condenser remains substantially unchanged, and an electrical circuit incorporating said condenser and operated thereby.

2,482,441
TAP CHANGING TRANSFORMER SYSTEM
Nils Sjöberg, Stockholm, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application July 10, 1946, Serial No. 682,491
In Sweden August 8, 1945
3 Claims. (Cl. 323—43.5)



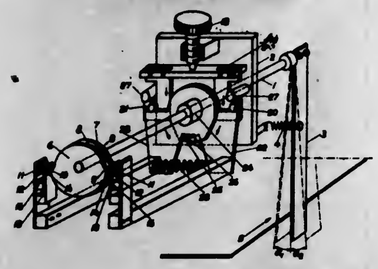
1. In a voltage regulation system controlled by a transformer having its secondary winding connected with a load and its primary winding through a tap-changing device connectable with a plurality of taps on an auto-transformer coupled to a source of alternating voltage, an additional winding wound on the primary side of the transformer, said additional winding having such a size as to deliver an additional voltage with a fraction of the voltage difference between the succeeding taps and also being connectable by said tap-changing device with said taps for successive interconnection of said additional winding to the individual proceeding taps prior to the connection of the primary winding of the transformer therewith.

2,482,442
CONTROL UNIT FOR DISCHARGE LAMPS
Royal F. Strickland, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application September 17, 1945, Serial No. 616,904
3 Claims. (Cl. 315—100)



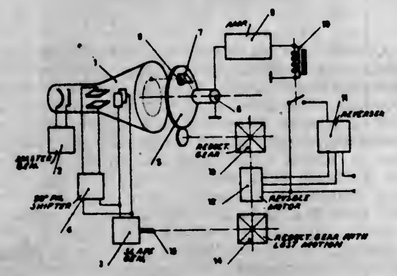
2. A starter for an electric discharge lamp comprising, in combination, a voltage sensitive glow discharge switch having normally open contacts adapted to close quickly under the influence of a glow discharge in said switch when subjected to a predetermined voltage, and a magnetic switch having a series connected coil and normally closed contacts, said magnetic switch being electrically connected in series with said glow discharge switch and being operable upon passage of a single impulse or repeated impulses of current through the glow discharge switch to interrupt the circuit through the starter for producing high voltage impulses for starting said lamp, the periods during which the contacts are open being shorter than the deionization time of the arc discharge in said lamp.

2,482,443
OPERATING MEANS FOR ELECTRICALLY DRIVEN TEXTILE MACHINES
Eugen Törnros, Vasterås, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasterås, Sweden, a corporation of Sweden
Application February 7, 1948, Serial No. 6,977
In Sweden April 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 23, 1966
3 Claims. (Cl. 200—52)



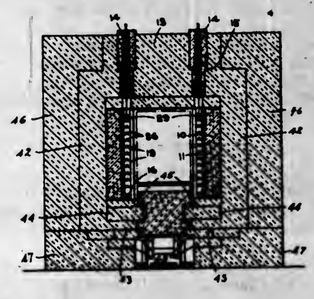
1. Operating mechanism for an electrically driven textile machine, having means for controlling the lateral position of goods traveling through the machine, comprising a feeler directly feeling the traveling goods, a permanent magnet turned by said feeler, said permanent magnet forming a circular disc having a part reduced in diameter and a groove all around the circumference of the disc, an armature for the magnet, a contact device, a spring moving the contact device in one direction, said device being operated by the armature against the action of said spring when attracted by the said magnet when the latter is turned by said feeler so that that part of the magnet having the larger diameter is before the armature, and a stop device preventing the armature from touching the magnet.

2,482,444
ALTERNATING CURRENT SYNCHRONIZING APPARATUS
Maurice Toussaint, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
Application August 31, 1946, Serial No. 694,405
In France June 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1965
6 Claims. (Cl. 322—36)



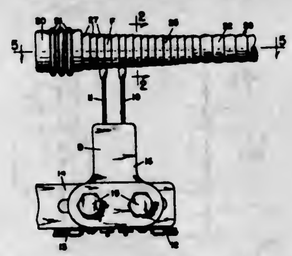
1. A system for automatically synchronizing the frequency of master and slave generators supplying periodic wave outputs comprising in combination, a cathode ray oscillograph having a screen and electrode means and means applying to said electrode means wave energies from said generators to produce on the screen a small arcuate luminous spot related in length to the period of the output wave of the master generator and, under conditions of non-synchronism, having apparent motion whose speed is proportional to, and in one or the opposite direction dependent on the sign of, the inequality of the frequencies, a disk parallel to the screen having a circular aperture slightly larger than the spot and at a radial distance substantially equal to the radial distance of the spot on the screen and coaxial therewith, means for rotating the disk about its axis, a photoelectric cell and its circuit, said cell being positioned to receive light reflected from said spot during rotation of the disk, light reflecting means for reflecting the light of the spot emerging through said aperture onto said cell, and means controlled by said circuit for bringing the slave generator into synchronism with the master generator.

2,482,445
ELECTRIC RESISTANCE FURNACE
George Turner, Dudley, England
Application March 9, 1946, Serial No. 653,272
In Great Britain March 29, 1945
7 Claims. (Cl. 13—20)



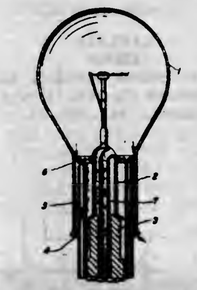
1. In an electric furnace, a furnace chamber having sides and a roof, said roof having an opening, a removable block in said opening, guides in the furnace side and disposed directly under said roof opening, a block at the rear of the furnace side, a foot at the bottom of said block and blocks forming supporting means resting on said foot and disposed at the bottom of said guides, a bottom bar engaging said guides and resting on said supporting means, two spaced piles of vertically aligned supporting blocks resting on said bottom bar, each of said supporting blocks having opposed vertically spaced respective upper and lower end faces, the upper end face of each block having a recess therein, the lower end face of each block having a corresponding projection, whereby said blocks may interengage and be self-locating in superposed relationship, each end of the upper face of said bottom bar having a similar recess formed therein, whereby said piles of blocks may engage with said bottom bar, insulating bars extending between and having their ends supported by said blocks, resistance heating elements on said bars, and a top bar having at each end of its under face a projection, said projections each engaging in the recess in the upper block of each pile of blocks, said top bar, supporting blocks and bottom bar having aligned openings, whereby the assembly can be inserted and removed through the roof opening by inserting a headed tool through said aligned openings.

2,482,446
BOBBIN AND METHOD OF MAKING SAME
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 26, 1948, Serial No. 62,203
6 Claims. (Cl. 139—296)



1. In a bobbin for use with the electric weft detecting system of a loom, a bobbin body having a detecting zone tapering generally from the butt toward the tip of the bobbin, steps on said zone, a waterproofing coating on the bobbin, a layer of electric conducting paint on the coating on the detecting zone, and a metallic ferrule bonded to the layer of paint.

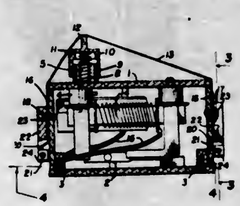
2,482,447
ELECTRIC LAMP MANUFACTURE
Johannes Antonius Maria van Liempt and Jan Bergmans, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y.
Application April 27, 1946, Serial No. 665,396
In the Netherlands February 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 3, 1962
2 Claims. (Cl. 316—21)



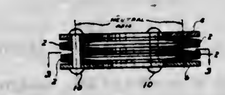
1. The method of manufacturing an electric incandescent lamp which comprises positioning the lamp mount in sealing-in relation within the lamp envelope, washing the mount and the interior of the envelope with a current of dust-free gas and simultaneously heating and vibrating the mount and envelope during the said washing operation to dislodge and remove dust particles lodged thereon, and then immediately sealing the mount into the envelope.

2,482,448
RAIN ALARM
Edward H. Wiest, Sr., Indianapolis, Ind.
Application December 10, 1946, Serial No. 715,268
2 Claims. (Cl. 200—52)

1. A rain alarm comprising a housing of insulating material, an electric switch supported within said housing including an operator rod, said housing having an opening loosely receiving said operator rod, an insulated sleeve loosely embracing said operator rod and fixed at one end to said housing, a cap of insulating material slidably mounted on the other end of said sleeve, a bearing extension fixed on said cap, spring means normally urging said cap outwardly relative to said operator rod, said switch being normally in a circuit closing position, a frangible strip having its ends fixed exteriorly of said housing, said strip extendable over said bearing extension for retaining said cap in a depressed position relative to said operator rod and for retaining said switch in a circuit open position, and means for supporting the ends of said strip in a fixed position relative to said housing, said strip including thickened end portions and said means for supporting the ends of said strip includes anchor pins carried by said housing and projecting therefrom for engaging the ends of said strip, a pair of fixed ears carried by said housing adjacent each of said pins, a locking plate pivoted on each pair of ears bearing against the ends of said strip, and a recess provided in each of said plates for engaging said anchor pins.



2,482,449
BELLEVILLE SPRING ASSEMBLY
Joseph W. Wells, Bristol, Conn., assignor to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application August 12, 1944, Serial No. 549,186
7 Claims. (Cl. 267—1)



1. A spring device comprising a plurality of superposed Belleville springs connected together by means passing substantially through the neutral axis of each spring.

2,482,450
BARIUM HALOPHOSPHATE PHOSPHOR
Robert Stirling Wells, Rugby, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application January 10, 1947, Serial No. 721,449. In Great Britain May 23, 1945
5 Claims. (Cl. 252—301.4)

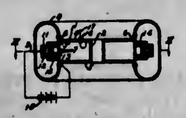
1. A barium halophosphate phosphor, consisting of the fired reaction product of about 3 mols of barium phosphate, about ½–2 mols of a barium halide selected from the group consisting of the fluoride, chloride and fluorochloride of barium and uranium activator in an amount of 1–20 per cent, by weight, of uranium oxide based on the combined weights of the barium phosphate and barium halide.

2,482,451
PIEZOELECTRIC CRYSTAL HOLDER
James B. Adams, Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania
Application June 7, 1945, Serial No. 598,071
4 Claims. (Cl. 171—327)



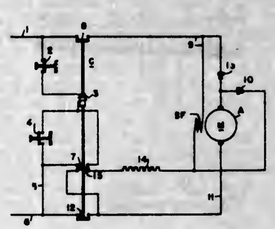
1. A piezo crystal device comprising metal casing having an open end, a hollow chase of insulating material within said casing and open at one side and having an opening through an end facing toward the open end of said casing, a crystal assembly in said chase and including a crystal, electrodes at each side of said crystal, an insulator over the electrode toward the open side of the chase, and a spring means bearing against said insulator and the inner surface of the side wall of said casing and constantly urging said crystal assembly toward the rear wall of said chase, a pair of contact elements including arm portions at the outer sides of the respective electrodes, a metallic end closure closing the open end of said housing, a pair of contact prongs carried by extending through and insulated from said metallic end closure, said contact elements attached to the inner ends of the respective prongs, means providing a gas-tight seal between said prongs and said metallic end closure, and said metallic end closure soldered to the open end portion of said casing.

2,482,452
CONCENTRIC LINE CAVITY RESONATOR DEVICE
Daniel Alpert, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1943, Serial No. 499,202
8 Claims. (Cl. 315—5)



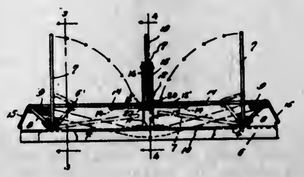
1. An electrical discharge device comprising a chamber having conducting walls in the form of an outer cylinder having perforations in its wall and an unperforated inner cylinder interconnected at each end by electrically conducting material, an electron emissive source positioned adjacent to said perforations and insulated from said walls, and means included by said device for impressing an electric field in the region adjacent said source for projecting electrons from said source through said perforations into said chamber.

2,482,453
DYNAMIC BRAKING OF SERIES MOTORS
Earl B. Ankenman, Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1948, Serial No. 39,214
3 Claims. (Cl. 318—380)



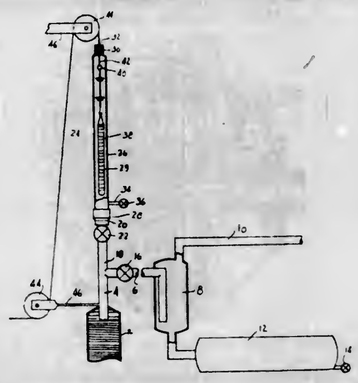
1. In apparatus for effecting the stopping of a series direct current motor by dynamic braking, in combination, a series motor having an armature winding and a series field winding, a loop circuit including the series field winding, a first rectifier, and a second rectifier, a contactor having an actuated, or pick-up position, and a drop-out position, a dynamic braking circuit including the motor armature winding, the second rectifier, the series field winding, a dynamic braking resistor, and switching contacts coupled to be operable by the contactor and which are normally closed when the contactor is in its drop-out position, motor energizing contact for the contactor normally closed when the contactor is in its pick-up position to thus connect the positive and negative supply terminals, respectively, to the connection between the series field winding and the second rectifier, and the connection between the armature and the switching contacts.

2,482,454
TRAP
Walter C. Bailey, Kendall, Kans.
Application February 25, 1944, Serial No. 523,864
6 Claims. (Cl. 43—81.5)



5. In a trap, a rigid base, opposed pairs of jaws hinged on said base, each pair of the jaws being arranged in spaced and aligned relation to each other, tension means acting to urge the jaws of each pair inwardly and downwardly toward each other and into gripping relation with the base, latch rods in association with said jaws, a post mounted on said base between said jaws, and releasable trigger means carried by said post adapted to engage the adjacent ends of said rods to prevent movement of the latter relative to each other for sustaining the opposed pairs of jaws in set position substantially vertical and at right angles to the base.

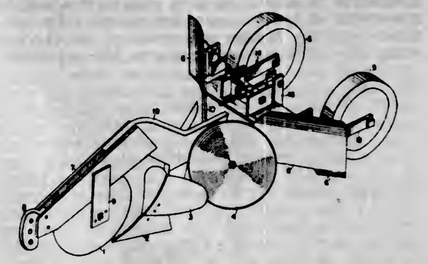
2,482,455
WELL SWABBER
Edward Wesley Bailey, Athens, Ohio
Application October 12, 1945, Serial No. 621,877
1 Claim. (Cl. 166—16)



Apparatus for cleaning a well having a vertical well pipe, a gate valve in said pipe adjacent the upper end thereof, and a flow line connected to said pipe below said gate valve, comprising an elongate tube having a cylindrical wall, said tube being disposed above the well pipe in alignment therewith, means for detachably connecting the lower end of said tube in substantially leak-proof relationship with the upper end of said well pipe, said tube having an opening in the upper end thereof, packing surrounding said opening, a well cleaning tool in said tube, a hoisting cable extending through said opening and connected to said tool for lowering the latter into said well when said gate valve is opened, and relief valve means controllably connecting the interior of said tube with the exterior thereof whereby to relieve said interior of well fluid trapped therein under pressure when said tool has been retracted into said tube and said gate valve closed, said relief valve being in the side wall of said tube adjacent the lower end thereof, whereby to prevent piston-like displacement of said tool in said tube upon opening of said relief valve means.

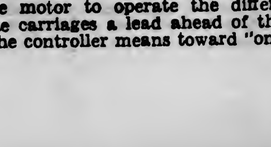
2,482,456
FIRE LINE PLOW
John E. Black, Atlanta, Ga., dedicated to the free use of the People in the territory of the United States
Application January 3, 1947, Serial No. 719,976
2 Claims. (Cl. 97—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A plow comprising a frame, a share and a pair of main mold boards rigidly connected to the frame, a pair of freely rotatable, dished, harrow discs each having a forward portion adjacent to one of the mold boards and nesting within the two mold boards and having a major portion extending upwardly and rearwardly of the main mold boards, a freely rotatable coulter wheel attached to the frame forwardly of the share, two trailing wheels supporting the rearward portion of the frame, means for upwardly and downwardly adjusting the position of the rearward portion of the frame with respect to the axis of rotation of the trailing wheels, to fix the depth of



the plowed line and also to provide a means of trailing the plow when not cutting a furrow.

2,482,457
COMBINATION CHECK VALVE AND FLASH ARRESTER
Woodrow S. Boedecker, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application March 23, 1945, Serial No. 584,332
8 Claims. (Cl. 48—192)

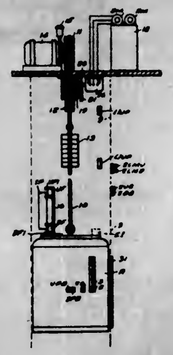


3. A flash arrester for use between a high pressure gas cylinder and a manifold comprising a housing having a passage therethrough, a porous material disposed in said passage whose porosity is minute enough to snuff flame from highly combustible gases passing therethrough, a check valve received in said passage for obstructing the back flow of gas, and bleeder means for by-passing the check valve from one side thereof to the other including a bleeder passage through said housing of a size within a range of 60 to 70 drill size.

2,482,458
ELEVATOR
Edgar M. Bouton, Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1945, Serial No. 601,388
47 Claims. (Cl. 187—29)

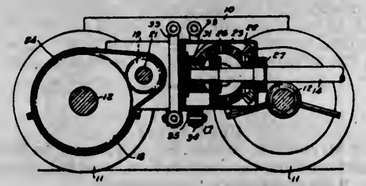
10. In an elevator system, a car for serving a plurality of floors, a hoisting motor for the car, a starting means for the hoisting motor, stop devices for the floors, a power means operable by the car in accordance with the movement of the car, an advance motor of less power than the power means and operable independently of the power means, a floor selector having an up carriage and a down carriage movably mounted thereon, a controller means including two controllers for decelerating the hoisting motor, a differential connecting the carriages differentially to the advance motor and the power means, a differential connecting the advance motor differentially to the controllers, means responsive to operation of the starting means for starting the advance motor to operate the differentials to give the carriages a lead ahead of the car and move the controller means toward "on" position,

means responsive to operation of the starting means for energizing the hoisting motor, means responsive to operation of a stop device and to movement of the carriages for stopping the carriages whereby further movement of the car will cause the differentials to move the controller



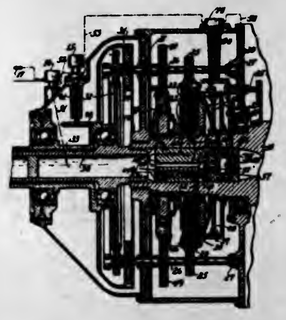
means toward "off" position in accordance with the movement of the car, and means responsive to the movement of the controller means toward "off" position and to movement of the car to within a predetermined distance of the floor of the operated stop device for deenergizing the hoisting motor to stop the car.

2,482,459
LOCOMOTIVE AXLE DRIVE MECHANISM
Winston A. Brecht, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 3, 1945, Serial No. 580,798
3 Claims. (Cl. 105—109)



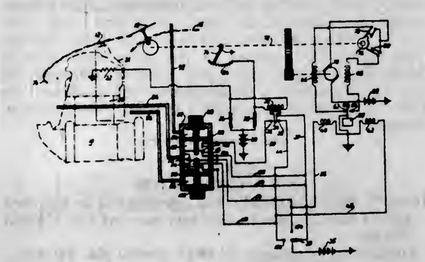
1. In a locomotive drive, in combination, a pair of axles, a gear unit for each axle, each gear unit having a drive shaft disposed longitudinally of the locomotive and an auxiliary shaft disposed substantially parallel to its axle, bevel gear means for interconnecting the drive shaft and the auxiliary shaft of each unit, spur gears for connecting each auxiliary shaft to its axle, flexible coupling means disposed substantially midway between said axles for connecting together the drive shafts of the two units, and a gear case for each unit containing all the gears and shafts of said unit, said shafts being journaled in said gear case, said gear cases being journaled on their respective axle, means disposed at opposite sides of said coupling means for individually supporting each gear case from the locomotive frame, each gear case having an open end, said open ends being adjacent, and a flexible seal disposed between said adjacent ends.

2,482,460
TWO-SPEED PROPELLER DRIVE SYSTEM
Kenneth A. Browne, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 10, 1941, Serial No. 414,449
15 Claims. (Cl. 170—135.75)



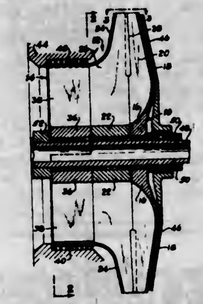
1. In a multi-ratio transmission between an aircraft engine and its propeller, a normally engaged friction clutch establishing one drive ratio, hydraulic cell means which when subjected to fluid pressure is operative to disengage said clutch, a pressure fluid supply, and means to control the admission of pressure fluid to, and to control the evacuation of fluid from said cell, responsive in its operation to aircraft speed, engine speed, and propeller speed.

2,482,461
ENGINE COOLING SYSTEM
Kenneth A. Browne, Ridgewood, and Wayne D. Cannon, Hohokus, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application July 26, 1943, Serial No. 496,236
8 Claims. (Cl. 123—171)



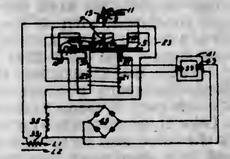
2. In a cooling control system for an air-cooled engine, means adjustable for regulating the cooling airflow over said engine, means responsive to the temperature of said engine for effecting adjustment of said regulating means such that there is a substantial engine temperature differential between the maximum and minimum airflow positions of said regulating means, and means operative only in response to an increase in the magnitude of the engine cooling airflow above a predetermined value to effect an airflow decreasing adjustment of said regulating means irrespective of the engine temperature.

2,482,462
CENTRIFUGAL COMPRESSOR CONSTRUCTION
Kenneth A. Browne, Lakewood, Ohio, assignor to Wright Aeronautical Corporation, a corporation of New York
Application November 9, 1946, Serial No. 708,892
6 Claims. (Cl. 230—134)



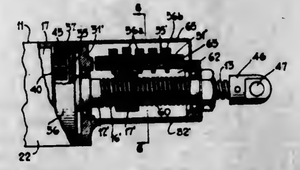
1. A centrifugal compressor rotor comprising first and second parts arranged to be clamped together, said first part comprising a hub portion and an annular wall forming an integral continuation of said hub portion and extending radially outwardly therefrom, said second part comprising a hub portion and an annular wall spaced radially outwardly from said hub portion, said hub portions being arranged to be disposed co-axial and adjacent to each other with said second-mentioned wall axially spaced from and having at least a portion facing an outer portion of said first-mentioned wall, a set of circumferentially spaced vanes formed integral with the wall and hub portion of said first part, and a set of circumferentially spaced vanes formed integral with the wall and hub portion of said second part thereby joining said wall to said hub portion, the vanes of each set being arranged to extend from its wall into substantial abutting engagement with the vanes of the other set such that the vanes of one set form a smooth continuation of the vanes of the other set, the edges of the vanes of each set arranged to abut the facing edge of the vanes of the other set being fabricated so at to define a dished surface concave when viewed toward the wall integral therewith, whereby when said parts are clamped together said parts are stressed to urge their radially outer portions toward each other.

2,482,463
INDUCTION TYPE TIME-DELAY RELAY
Herbert J. Carlin, East Orange, N. J., and Bert V. Hoard, Portland, Oreg., assignors to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application October 12, 1944, Serial No. 558,316
12 Claims. (Cl. 175—294)



1. In an electroresponsive, alternating-current instrument having terminals, a rotor assembly, a stator assembly, means mounting said rotor assembly for movement relative to said stator assembly, damping means associated with said assemblies for retarding movement of said rotor assembly relative to said stator assembly, and means associated with said assemblies for producing, when energized through the terminals from an alternating current source, a plurality of phase-displaced alternating magnetic fluxes acting on said assemblies to produce relative movement therebetween, said alternating magnetic fluxes being effective for producing a force acting between said assemblies which varies in magnitude as a function of the phase displacement between said magnetic fluxes, and a rectifier unit connected for energization from the terminals for producing a direct-current output varying as a function of the input to the unit, said assemblies including means responsive to the direct-current output for changing the phase displacement between said magnetic fluxes.

2,482,464
ELECTRICAL JACK AND CONTROL MEANS
James E. Chapman, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Inglewood, Calif., a corporation of California
Application September 25, 1942, Serial No. 459,731
5 Claims. (Cl. 192—142)

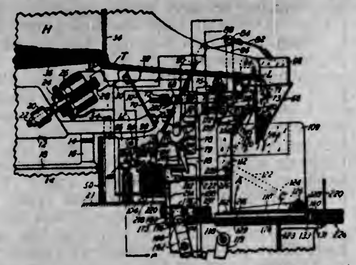


1. In a power jack of the character described, the combination of: a motor having a rotor; an externally threaded thrust bar supported for axial movement; an internally threaded driven member supported for rotation, the threads of said driven member engaging the threads of said thrust bar; a connection to drive said driven member from said rotor at a reduced speed; an external screw on said driven member; a traveler in threaded engagement with said external screw so that it will be moved through a path of movement in response to rotation of said driven member; and switch means for control of said motor disposed contiguous to said path of movement so as to be actuated by said traveler in timed relation to the movement of said thrust bar.

2,482,465
CONTROL FOR CIGAR MACHINE SHORT FILLER TOBACCO FEEDS
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application December 16, 1943, Serial No. 513,701
20 Claims. (Cl. 131—22)

1. In a cigar machine, mechanism for forming a succession of substantially uniform cigar bunch charges comprising, a tobacco feeding conveyor, a charge compression chamber, a plunger reciprocable in said chamber, a tobacco weighing device positioned to receive tobacco from said conveyor, means associated with said weighing device for causing said conveyor to feed a predetermined quantity of tobacco, auxiliary means associated with said weighing device for increas-

ing the feeding effect of said first-named means, means on said plunger for operating said auxiliary means to control each amount of tobacco fed to said chamber in accordance with the surplus remaining therein after the formation of the previous bunch charge, and means for transferring tobacco from the weighing device to said chamber.

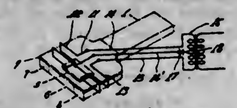


2,482,466
FISH LURE
Leo Cooper, Stamford, Conn.
Application March 13, 1948, Serial No. 14,697
14 Claims. (Cl. 43—42.36)



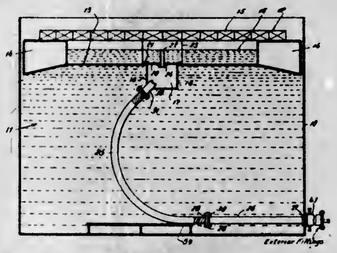
1. A fishing lure of the plug type comprising a body having harness-receiving means thereon; a U-shaped hook-carrying harness disposed in the harness-receiving means with the ends of the harness extending beyond the front of the body; and a yoke engaging and directly connected to each end of the harness and interlocked with said ends and securing the harness to the body.

2,482,467
PHONOGRAPH PICKUP
Ray F. Corbett, Lewisburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1946, Serial No. 668,659
3 Claims. (Cl. 179—100.41)



1. A sound pick-up device for phonographs comprising a tone arm, a stylus elastically supported relative to said tone arm, two hair-pin shaped resistors having their closed ends mechanically connected to said stylus and having their open ends mechanically connected to said tone arm, means for causing electric currents to flow in multiple through said conductors, means for causing the electrical effect of said currents to neutralize each other in an output circut when said stylus is in a predetermined position relative to said tone arm, and to produce a net effect in an electrical output circuit in other positions of said stylus relative to said tone arm, and means for causing said conductors to exert oppositely-directed mechanical forces on said stylus.

2,482,468
DRAINAGE SYSTEM FOR TANKS
John Matthias Cranmer, East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application June 8, 1948, Serial No. 31,771
3 Claims. (Cl. 220—26)



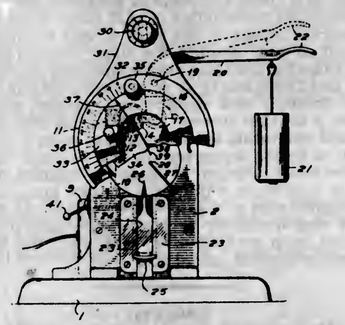
1. A drain for tank roofs of the floating type that comprises in combination means defining a discharge port in the roof, a flexible metal conduit, means for securing one end of the conduit to the bottom of the roof in communication with said port, means for securing the other end to the wall of the tank in communication with a discharge orifice, a hose disposed inside of said conduit, means carried by the upper conduit securing means that are accessible from the roof top for securing the upper end of the hose, and means carried by the lower conduit securing means accessible from outside the tank for securing the lower end of said hose, whereby the hose can be removed and replaced without draining the contents from the tank.

2,482,469
AIR BAG STEM
John C. Crowley, Willoughby, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1946, Serial No. 644,254
3 Claims. (Cl. 18—45)



3. An air bag stem comprising a rubber block adapted to be united with the material of the air bag, a first stem part mounted by said block and having an end located exteriorly of said block and another end located within said block, said first stem part being provided intermediate its ends with an external shoulder and having a bore therethrough which is threaded adjacent the end that is located within said block, a sleeve having a flange contacting said shoulder and being of conical formation with its large end adjacent the end of the first stem part that is within the block, said sleeve and said first stem part being molded in said block with the material of the block filling the space between said sleeve and said first stem part, a second stem part provided with a bore therethrough and having one end exteriorly threaded and screwed into the bore threads of said first stem part, said second stem part having its other end located exteriorly of the block and provided with an external shoulder, a member intermediate said second stem part external shoulder and the exterior of said block and having a portion rotatable on said second stem part and spaced longitudinally on said second stem part from said block and a portion extending from said first portion and spaced radially outwardly of said second stem part and engaging said block and provided with an end edge extending parallel to said stem parts and of diminishing thickness toward said first stem part to provide a conical surface on said edge, said block being provided with a complementary groove receiving said conical edge of said member portion when said stem parts are interconnected and mounted in said block, wherefore the material of the block is clamped between the conical outer surface of said edge of said member portion and said sleeve and is pressed by said second portion of said member and its edge into tight mechanical contact with the exterior of the second stem part.

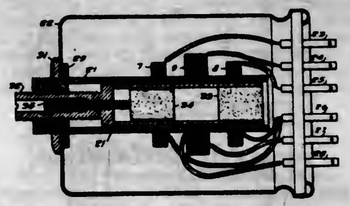
2,482,470
METHOD OF AND DEVICE FOR TESTING CREASE RESISTANCE
Russell D. De Waard, Riverside, and Charles R. Stock, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 11, 1946, Serial No. 702,684
7 Claims. (Cl. 73—100)



1. A method of determining the crease resistance of a sheet which includes the steps of folding a sheet upon itself, applying a predetermined pressure to the fold for a predetermined length of time, removing the pressure, hanging the creased sheet over a support, and measuring the angle between the legs of the folded sheet.

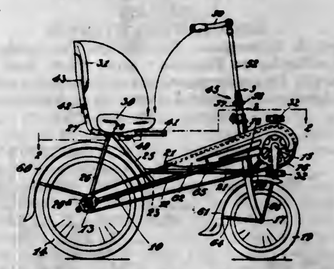
2,482,471
ADJUSTABLE COUPLING DEVICE
Arthur E. Dowell, III, Washington, D. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,686
2 Claims. (Cl. 171—119)

1. A variable transformer comprising a secondary winding supported on an insulating frame, a pair of primary windings spaced apart from said secondary winding on opposite sides thereof on said frame, a support member for a pair of magnetic cores within said frame, one of said cores being affixed to said support member and positioned within one of said primary windings, the other of said cores being slidable along said support member in an axial direction in a region adjacent to the other of said primary windings, means to variably displace said support member



axially with respect to said frame and means to displace said slidable core member relative to said support member.

2,482,472
BICYCLE AND FRAME AND PARTS THEREFOR
Jack Fried, New York, N. Y.
Application February 7, 1946, Serial No. 646,143
3 Claims. (Cl. 280—261)

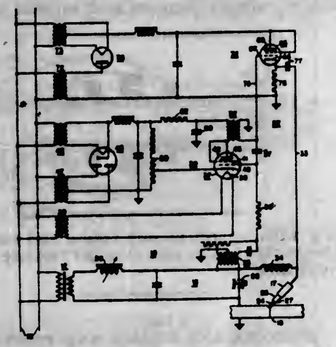


1. In a bicycle, having a seat at an elevation enabling the smallest leg reach to touch the ground, and pedals when in pressure position being substantially in a horizontal line with said seat, a one piece frame including a pair of longitudinally disposed tube members substantially parallel with said horizontal line, connected at their front ends and adapted to support at such connected ends a pedal mechanism having a sprocket and shaft, said members straddling the front post of the bicycle, and the axle of the rear wheel, a supporting bar connected with the front post and extending upwardly and forwardly and connected with the connected front ends of said frame, a second bar connected with the front post and extending upwardly and rearwardly through the spaced tube members, a substantially horizontal seat bar, a third bar extending upwardly from the rear axle to the seat bar, and a fourth bar connected with the upper end of the third bar and extending downwardly and forwardly therefrom to and connected with the tube members, whereby the reach of the legs exert a toggle action upon the pedals, and the forces exerted by the rider between the seat and pedals tend to vertically raise the frame at its central portion.

2,482,473
ARC WELDING APPARATUS
Kenneth N. Fromm, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1948, Serial No. 58,137
9 Claims. (Cl. 315—246)

1. The combination with an arc welding system including an arc circuit, of a relaxation oscillator,

and a pulse generator triggered by the oscillator



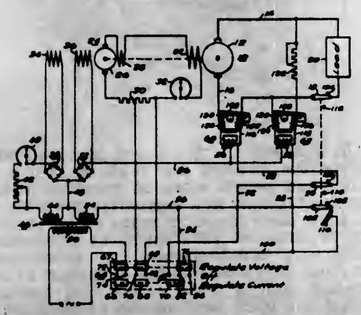
connected to apply periodic voltage impulses to the arc circuit.

2,482,474

REGULATING SYSTEM

Ralph A. Geiselman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 1, 1948, Serial No. 30,405
5 Claims. (Cl. 322—25)
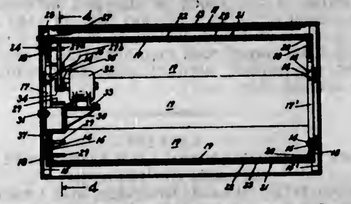


1. In a regulating system for a direct-current generator of the low-voltage, high-current type and which is disposed to be connected by a load switch to a load, the combination comprising, a field winding for the generator, excitation means connected in circuit relation with the field winding and disposed for operation to control the energization thereof, means disposed to be energized for controlling the operation of the excitation means, an energizing circuit including a source of supply and a pair of reactors disposed to be selectively connected in circuit therewith for controlling the energization of said energized means, one of the reactors having a direct-current control winding connected in series circuit relation with the output of the generator and an alternating-current winding disposed to be selectively connected in circuit relation with the energizing circuit to effect operation of the excitation means to regulate the current output of the generator, the other of the reactors having a direct-current control winding connected across the generator and an alternating-current winding disposed to be selectively connected in circuit relation with the energizing circuit to effect operation of the excitation means to regulate the generator voltage, and switching means disposed to be simultaneously operated with the load switch to connect the alternating current winding of said one reactor only when said load switch connects the load to the generator, and to connect the alternating current winding of said other reactor only when said load switch is actuated to interrupt the connection of the load to the generator.

2,482,475

ADVERTISING SIGN AND DISPLAY DEVICE WITH ROTARY DRUM

Edward F. Gerber, Glendale, Calif.

Application April 5, 1948, Serial No. 18,906
4 Claims. (Cl. 40—33)



1. In a display device, an elongated housing having a viewing window extended longitudinally thereof, a rotary display drum comprising rings adjacent the ends of the housing, and a plurality of elongated display-holding trays extending between said rings and secured adjacent their ends on the outer peripheries of said rings, a plurality of bearing rollers on the ends of said housing arranged to bear against the inner peripheries of said rings for rotatably supporting said drum with said trays disposed to be successively brought into view through said window on rotation of said drum, a bracket secured to an end of said housing and extending thru one of said rings into said drum, a motor supported on said bracket having a drive shaft disposed in eccentric relation to the axis of said drum, a plurality of drive pins on said last named ring and a driving arm carried by said shaft and arranged to contact certain of said pins on each revolution of said shaft for intermittently turning said drum.

2,482,476

MAGNETOELECTRIC GENERATOR

Georges Girard, Geneva, Switzerland, assignor to Magnetos Lucifer S. A., Geneva, Switzerland, a corporation of Switzerland

Application October 14, 1947, Serial No. 779,660
In Switzerland October 28, 1946
4 Claims. (Cl. 171—209)



1. A magnetoelectric generator comprising a shaft, a magnet mounted upon said shaft, two diametrically opposite pole shoes extending from said magnet in the axial direction, the extending parts of said shoes being of arcuate shape and having tapered lateral edge parts, and an armature having a core presenting inner and outer oppositely disposed pole pieces providing annularly extending passages in which said pole shoes operate.

2,482,477

ELECTRICAL TORQUE MEASURING DEVICE

Frank W. Godsey, Jr., Mount Lebanon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 10, 1944, Serial No. 548,851
12 Claims. (Cl. 73—136)



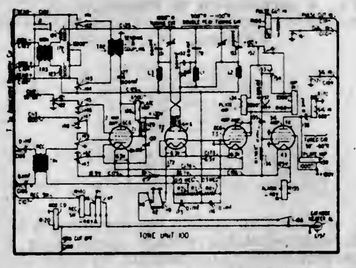
1. In a magnetic device, the combination of, a rotor member including a pair of axially displaced and relatively rotatable rings, at least one finger member connected to one of said rings and axially extending between said rings, a segment non-magnetically supported by said ring in circumferentially displaced relationship to said finger member, an axially extending finger member connected to the other of said rings and disposed between said one finger member and said segment such that airgaps are formed therebetween, a stationary member disposed with respect to the rings and segments of the rotor member such that airgaps of constant magnetic characteristic are formed whether the rotor member is rotating or stationary, means for producing a magnetic flux linking the stationary member and rotor member across said airgaps, said finger members and segment cooperating upon relative rotation of said rings to alter the distribution of the magnetic flux linking said members.

2,482,478

TONE UNIT

Otho D. Grandstaff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application March 29, 1947, Serial No. 738,194
6 Claims. (Cl. 179—16)



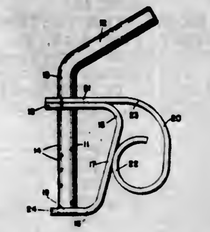
1. In a signaling system, a receiving channel adapted to receive during a given time interval a predetermined frequency modulated audio frequency current as well as dial pulses at a given rate of said audio frequency current, a circuit network, means including an amplifier for coupling said receiving channel to said circuit network, a monitoring channel, means including an impedance element for coupling said circuit network to said monitoring channel, a rectifier operatively connected to said circuit network and operative to produce during said given time interval direct current impulses at said predetermined frequency and to produce direct current impulses at said given rate, a local circuit, first means controlled in response to said direct current impulses at said predetermined frequency for repeating during said given time interval a signal pulse into said local circuit, and second means controlled in response to said direct current impulses at said given rate for repeating dial impulses at said given rate into said local circuit.

2,482,479

PHOTOGRAPHIC ACCESSORY

Burton C. Hamilton, Brookline, Mass.

Application July 9, 1948, Serial No. 37,913
2 Claims. (Cl. 259—4)



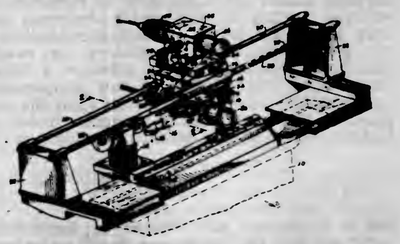
1. As a new article of manufacture, a photographic accessory for attachment to a print-washing tray, comprising, in intersupporting association, a substantially U-shaped bracket, an intake tube, and a spring member, said bracket designed to engage the inside of said tray, with its upper arm surrounding said tube and its lower arm resting on the bottom of said tray and attached to the bottom of the intake tube, the top of said tube being arranged for connection with a liquid supply and the lower portion of said tube being formed with a plurality of spray openings drilled therein at divergent angles and at staggered heights, said spring positioned in reinforcing relation with the upper arm of said bracket and constructed and arranged to contact the outside of said tray under tension.

2,482,480

OPTICAL PROJECTION SYSTEM FOR PROJECTING TOOL AND CUTTER PROFILES

Edward F. Haracz, Clifton, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

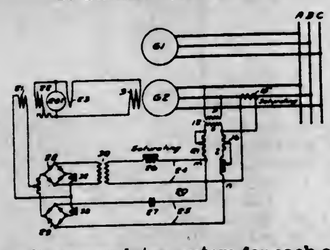
Application June 28, 1946, Serial No. 680,137
4 Claims. (Cl. 88—24)



1. Apparatus for checking the profile of an object in which said profile comprises a series of individual line portions, said apparatus comprising a first projector arranged to project a shadow-image of the contour of said object, a template of sheet material having a series of edge portions corresponding to the desired profile of said

object, each of said template edge portions being divided into a high limit section and a low limit section thereby indicating the range of tolerance of the corresponding profile portion of said object, a second projector arranged to project a shadow-image of the profile of said template adjacent to said first mentioned shadow-image, and means for adjusting the position and orientation of the two projectors relative to each other so that their respective shadow images are of equal magnification and are disposed in side-by-side relation whereby the profile of said object may be quickly checked against the tolerance limits of said template.

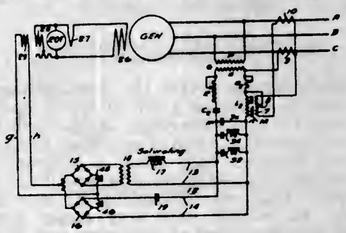
2,482,481
REGULATOR SYSTEM
Edwin L. Harder, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1946, Serial No. 642,039
10 Claims. (Cl. 322—25)



1. A voltage-regulator system for each of a plurality of polyphase generators which are adapted to be operated in parallel on a common polyphase bus, comprising the combination, with each generator, and its controllable exciting-means, of a single-phase voltage-regulator for controlling said exciting-means, and energizing-means for said voltage-regulator, said energizing-means serially comprising a voltage-deriving means, responsive to a generator-voltage, for deriving a single phase of the generator-voltage, and a limited-voltage generator-current-responsive reactive-droop compensator-means, associated therewith, responsive to a generator-current, for providing a sufficient, and substantially linearly current-responsive, compensator-voltage to give the generator voltage-characteristic a droop sufficient to permit satisfactory parallel generator-operation under all sustained-load operating-conditions of the parallel-connected generators, but said compensator-means including a voltage-limiting means operating only at compensator-voltages tending to exist under abnormal overload low-power-factor operating-conditions of the parallel-connected generators for causing said compensator-means to produce a limited compensator-voltage, said limited compensator-voltage being only slightly higher than the compensator-voltage which is produced under the highest sustained-load operating-conditions.

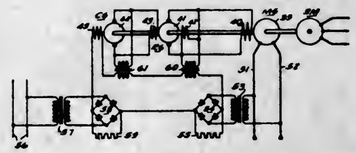
2,482,482
CONTROL SYSTEM
Edwin L. Harder and Homer M. Rustebakke, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 1, 1946, Serial No. 644,804
17 Claims. (Cl. 322—20)

1. In combination: an alternating-current power-system; a voltage-regulating means therefor; voltage-deriving means for deriving a single-phase regulating-voltage from said power-system; a voltage-reference device having input and output terminals, and having the property of responding to departures of its input-voltage from a predetermined norm, said predetermined norm inherently varying in response to frequency, in the event of a variation in the input-frequency, said voltage-reference device requiring, in its operation, the flow of various harmonics; means for controlling the voltage-regulating means in response to the output terminals of said voltage-reference device; means for energizing the input terminals of said voltage-reference device from the regulating-voltage produced by said voltage-



deriving means; a partially tuned circuit, including unequal capacitive and inductive reactive impedances, associated with said voltage-deriving means in such relative magnitudes as to cause the proportionality between the system-voltage and the derived regulating-voltage to vary in substantially the same manner as said inherent norm-variation, in response to a predetermined range of variations in the system-frequency; and filter-means, connected across the input terminals of said voltage-reference device, for permitting harmonics to flow in said voltage-reference device substantially without flowing in said voltage-deriving means or in said partially tuned circuit.

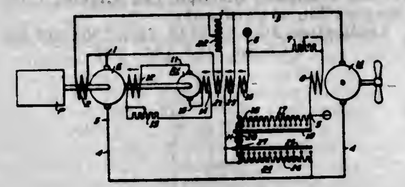
2,482,483
REGULATING SYSTEM
Walter R. Harris, Wilkinsburg, and Charles F. Wagner, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1944, Serial No. 565,910
3 Claims. (Cl. 322—28)



1. A generator system for providing a load circuit with regulated voltage, comprising a main generator having an armature for generating said voltage and having a main field winding for controlling said voltage, a regulating generator having an armature connected to said main field winding and having a magnetic field structure with two magnetic circuits of substantially negligible mutual inductance both linking said latter armature, one of said magnetic circuits being provided with self-excited field winding means of a resistance line approximately coincident with the no-load magnetization characteristic of the regulating generator, said other magnetic circuit being provided with a separately excited field winding, a control generator having an armature connected to said separately excited field winding

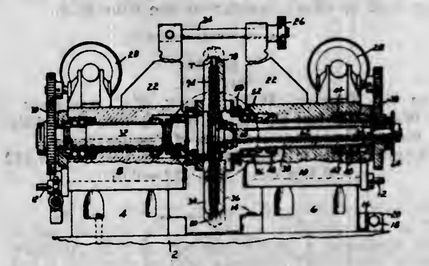
and having a control field winding, and electric circuit means connected to said control field winding for varying its excitation in accordance with the voltage generated by said main generator.

2,482,484
VARIABLE VOLTAGE CONTROL FOR SHIP PROPULSION
Earl H. Hornbarger, Edgewood, and Walter Schaelchlin, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1947, Serial No. 758,199
4 Claims. (Cl. 318—143)



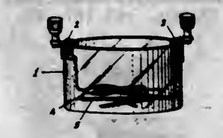
1. In a system of control, in combination, a regulating exciter, a generator, a generator field winding for exciting the generator, a series field for the regulating exciter, the armature winding of the regulating exciter, the generator field winding and the series field winding being connected in a loop circuit, a pattern field winding, control means for varying the excitation of the pattern field winding, a differential generator-voltage-responsive field winding for the regulating exciter, and means operable by said control means for decreasing the resistance of the circuit of said differential generator-voltage-responsive field winding at the same time the excitation of the pattern field is decreased.

2,482,485
GRINDING MACHINE
Philip H. Hutchinson, Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1945, Serial No. 594,199
26 Claims. (Cl. 51—134)



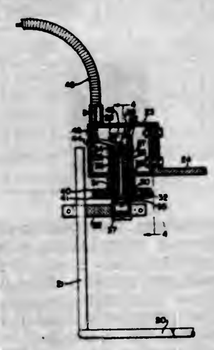
13. A machine for end-grinding elongated articles comprising a rotary grinder, a rotary article holder thinner than said articles and having peripheral article holding recesses open laterally to expose the sides of said articles, said rotary article holder being positioned to move the ends of said articles across said grinder, means engageable with the exposed sides of said articles for rotating said articles around their longitudinal axes while being moved across said grinder, and means for urging said articles outwardly of said holder while so rotating them.

2,482,486
ELECTROLYTIC DENTAL CLEANSING APPARATUS
Russell E. Irish, Pittsburgh, Pa.
Application August 18, 1945, Serial No. 611,336
4 Claims. (Cl. 204—242)



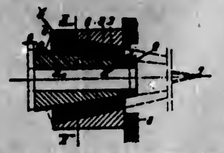
1. Apparatus for electrolytically cleansing small delicate work-pieces comprising an electrically non-conductive electrolyte-containing vessel, an anode and a cathode both composed of platinum connected in a low-voltage and low-amperage D. C. circuit, the said anode being horizontally arranged to overlie the said cathode in an electrolyte bath in the said vessel, the said cathode being formed as an open horizontally arranged structure to include an extended horizontal area for liberation of hydrogen at the bottom of said vessel and the said anode comprising an open rack structure arranged to expose the surface of a work-piece supported thereby directly to contact with an upward flow of hydrogen liberated at the cathode and said anode including legs extended horizontally from the rack structure of the anode overlying the structure of the cathode and extended downwardly out of contact with said cathode structure into contact with the non-conductive bottom of the vessel.

2,482,487
CONTROL DEVICE
Frederick O. Johnson, Chicago, Ill.
Application May 31, 1946, Serial No. 673,679
12 Claims. (Cl. 74—107)



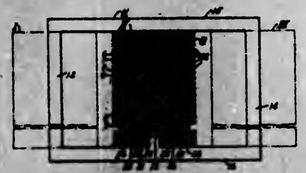
1. A control device of the character described comprising lever means movable in one direction for effecting control, a contact element mounted for movement in all directions, a pair of operating members each being movable independently of the other to move said lever means in said one direction, and means operatively connecting said contact element with said operating members whereby one of said operating members is actuated by said contact element when moved in certain directions and the other when the contact element is moved in other directions.

2,482,488
SPRINGS, JOINTS, AND THE LIKE
Maurice François Alexandre Julien, Toulouse, France
Application February 28, 1945, Serial No. 580,200
In France June 2, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1963
4 Claims. (Cl. 267—63)



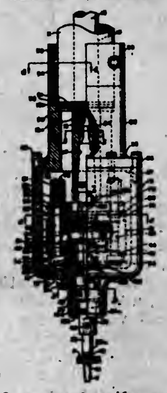
1. An elastic device which comprises, in combination, a first unit including a pair of coaxial rigid elements at least partly surrounding each other, the inner wall of the outer element and the outer wall of the inner element being in the form of conical surfaces with a common apex and acute apex angles, and an elastically deformable element of gum-like material interposed between said rigid elements with its inner and outer walls bonded to the above mentioned walls of said rigid elements respectively, a second unit similar to the first one disposed coaxially and in opposed relation thereto, means for rigidly assembling together one of the rigid elements of one unit with the corresponding rigid element of the other unit, and means interposed between the two other rigid elements for subjecting said elastic elements to an initial axial thrust in the direction corresponding to compression thereof.

2,482,489
INTERWOUND COIL
Francis D. Kaiser, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1946, Serial No. 673,343
12 Claims. (Cl. 175—362)



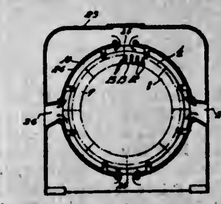
1. In a three-phase alternating-current electrical apparatus, a three-phase core structure [illegible] winding legs, a set of phase windings about each of the three winding legs, [illegible] phase windings comprising concentrically inductively related primary and [illegible] windings, the secondary winding comprising a plurality of concentrically related cylindrical [illegible] having a pair of separate conductor strands, the pair of conductor strands being wound side turn after turn to form adjacent helical helix paths throughout each of the several secondary coils of the winding in series, the opposite ends of the two conductor strands being connected to different neutral points so that the remaining opposite ends develop voltages in opposite polarity with respect to the neutral points of the conductor strands so as to form separate half portions of the completed winding, the several conductor strands of the secondary windings of the several phases having a neutral point at one end of the series of secondary coils being connected together in Y relation, and the remaining conductor strands of the several phases having a neutral point at the other end of the series of secondary coils also being connected together in Y relation, the two groups of conductor strands comprising the secondary windings having inverted polarity patterns.

2,482,490
SEALER TUBE MECHANISM WITH VIBRATING TOOL
Robert L. Kaas, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application July 24, 1944, Serial No. 546,406
1 Claim. (Cl. 153—79)



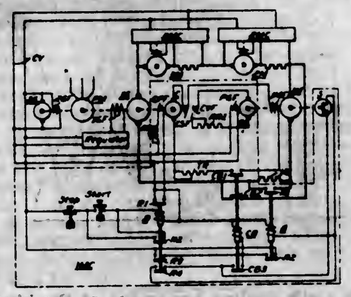
In a device for securing the ends of thin-walled hollow tubes in openings provided therefor in end plates of heat exchangers, comprising: a tool having a shank and a shoulder adjacent one end thereof; a stem of reduced diameter extending axially from said shoulder and terminating in an enlarged generally spherical head, said head being of smaller diameter than the shank and adapted to fully enter the end of the thin-walled tube to be secured to said end plate; and mechanism for causing rapid longitudinal vibration of the tool to effect sealing of the tube end.

2,482,491
MOTOR
Lee A. Kilgore, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1945, Serial No. 623,372
6 Claims. (Cl. 171—252)



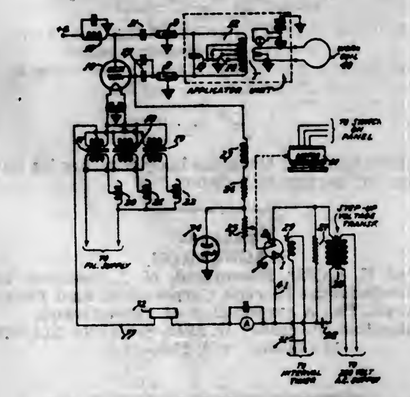
1. A fan-cooled alternating-current motor having a stationary member and a rotor member separated by an airgap, the stationary member comprising two end-bracket housing-means, for totally enclosing the motor at both ends, and an annular stator-core, disposed between the two end-bracket housing-means, said annular stator-core comprising a stack of magnetizable punchings interspersed with a relatively small number of punchings of a material of higher heat-conductivity than the material of the magnetizable punchings, all of said punchings having winding-receiving slots in their bores, a stator winding having coil-sides lying in said slots, the punchings of relatively high-heat-conductivity being radially deeper than the magnetizable punchings, whereby the high-heat-conductivity punchings provide fins sticking out of the outer periphery of the stator-core, the rotor member having internal fan-means for providing an internal circulation of a gaseous cooling medium within the respective totally enclosing end-bracket housing-means, the rotor member having a shaft-end which extends through said housing-means, and an external fan on said shaft-end, said housing-means having a sealing means for limiting the infiltration of air at the point where the shaft-end [illegible] through the housing, and external air-[illegible] means for directing the air from said [illegible] external air-guiding means including a [illegible] which provides an [illegible] of the annular stator-core, [illegible] air-guiding baffle-means [illegible] and air-outlet opening-means, [illegible] air, from said external fan, first axially over the outside of said baffle-means, and then radially inwardly through said air-inlet opening-means, and then circumferentially around the outer periphery of said stator-core, and then out of the machine through said air-outlet opening-means.

2,482,492
CONTROL SYSTEM
George E. King, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application November 16, 1944, Serial No. 563,754. Divided and this application July 15, 1947, Serial No. 761,133
7 Claims. (Cl. 318—327)



1. In an electric drive, the combination of, a motor having an armature winding and a field winding, means for supplying a constant electrical current to the armature winding, a self-energizing control generator having field winding means, said generator being adjusted so that the resistance line of the load circuit thereof is tangent to the initial portion of the no-load saturation curve of the generator, means for applying a constant electrical quantity to said field winding means, means for differentially applying an electrical quantity which varies in dependence of motor speed to said field winding means, and means for energizing the field winding of said motor with the output of said control generator.

2,482,493
OSCILLATION GENERATOR CONTROL CIRCUIT
Louis A. King, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 3, 1945, Serial No. 620,151
3 Claims. (Cl. 250—36)

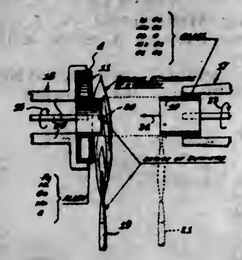


2. A high frequency heating system comprising an electronic power generator having a high vacuum high voltage power tube subject to flash-over, said tube including a cathode, an anode and a control grid, an oscillatory circuit for said generator coupled between said anode and control grid, a fixed impedance and a potentiometer in series with said grid, a protective gap connected between ground and the junction point of said fixed impedance and potentiometer, a relay having an armature magnetically controlled by a winding and a pair of contacts for alternately engaging said armature, said armature and contacts being enclosed in an evacuated envelope, a D. C. connection from said grid to said armature, a connection from one of said contacts to said cathode to enable the production of oscillations by said generator, and a source of fixed bias coupled to said other contact, said source including a resistor shunted by the series circuit of a rectifier and the secondary winding of a step-up voltage transformer, the value of said bias being such as to prevent oscillations by said generator when said armature engages said last contact.

2,482,494
METHOD OF MAKING GLASS-METAL SEALS
William J. Knochel and Jens J. Aakjer, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1942, Serial No. 436,166
2 Claims. (Cl. 49—81)

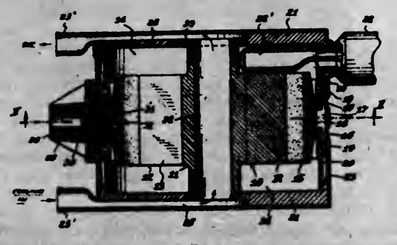
1. The method of making on a sealing lathe a seal between a glass body and a previously decarbonized metal structure formed of an iron base alloy with nickel and cobalt and having a coefficient of expansion similar to that of the glass body, which comprises the steps of placing the decarbonized metal structure on the sealing lathe in aligned proximity to the glass body ready for immediate interengagement for sealing said glass body to the metal structure, heating the decarbonized structure to a temperature of approximately 900° C. in a reducing atmosphere at the portion to be sealed by applying a hydrogen-rich flame for a period of about 3 to 10 minutes.

cleaning the structure thus treated while leaving it in said position, and then immediately sealing



the structure and the glass body together by applying an oxygen-rich flame.

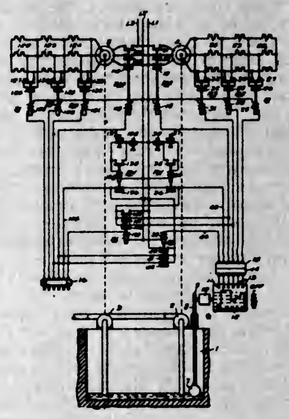
2,482,495
MAGNETRON
Alfred H. Laidig, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1942, Serial No. 511,902
11 Claims. (Cl. 250—27.5)



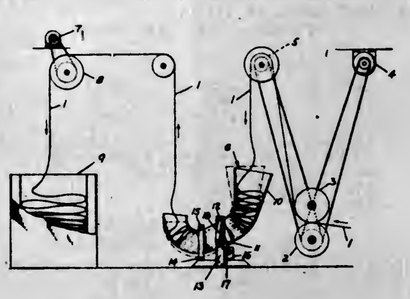
1. A magnetron comprising an evacuated hollow enclosure providing a circumferential wall, a cathode having a body portion forming a part of said circumferential wall, said cathode having a circumferential surface exposed at the exterior of said enclosure, and having an emitting surface within said enclosure facing radially inward thereof, an anode in said enclosure and girdled by said cathode, said anode having a plurality of radial slots opening through the outer periphery of the anode toward the inwardly facing emitting surface of the cathode and constituting cavity resonators, and a heater for said cathode outside of said enclosure next said body portion of the cathode.

2,482,496
SEQUENTIAL CONTROL FOR ELECTRIC MOTORS
Archie McGillivray, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1946, Serial No. 671,206
4 Claims. (Cl. 318—102)

3. A pump control system, comprising two wound rotor pump motors each having a secondary resistance circuit and a group of relays for sequentially varying the resistance of said circuit to thereby control the motor speed, float switch means having an off position at minimum level, a plurality of sequential positions at intermediate levels and another sequential position corresponding to a given maximum level, selective contact means attached to said respective groups of relays for connecting them to said float switch means so as to cause a selected one of said motors to operate at progressively increasing speeds when said float switch means passes progressively from said off position through said intermediate positions and to cause the other motor to operate at a given high speed in addition to said selected motor when said float switch means is in said other position.



2,482,497
CLOTH FEED CONTROL
Fred T. Miller, Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del., a corporation of Delaware
Application March 2, 1944, Serial No. 524,728
5 Claims. (Cl. 271—2.3)



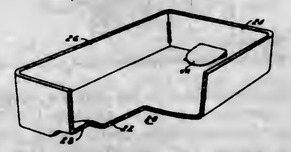
3. In cloth feeding apparatus of the kind including a drive motor for delivering the cloth from one station and a second motor for delivering the cloth to a second station, the combination of a cloth receptacle to which the cloth is delivered by the first motor and from which it is withdrawn by the second motor, means supporting said receptacle for limited movement in response to withdrawal of cloth from the receptacle in excess of the delivery of cloth thereto, a circuit controller for said second motor arranged for actuation in response to said movement of the receptacle, said circuit controller comprising switch means in the circuit of the second motor actuable by said movement of the receptacle, and said switch means upon actuation being adapted to open to break the circuit of the second motor.

2,482,498
PHENOL-AMINE-FORMALDEHYDE RESIN
Fritz J. Nagel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1946, Serial No. 668,685
6 Claims. (Cl. 154—43)



1. The resinous reaction product of 100 parts by weight of a phenol selected from the group consisting of hydroxybenzene, cresols, xylenols and cresylic acid, from 10 to 100 parts by weight of a primary monoarylamine, from 3 to 110 parts by weight of a secondary diaryl monoamine and an aldehyde selected from the class consisting of formaldehyde and its polymers, the aldehyde being present in an amount to provide from 0.8 to 1.5 moles for each mole of phenol and the diaryl monoamine and from 0.8 to 2.5 moles per mole of monoarylamine, reacted in the presence of an alkaline catalyst with refluxing and removal of water.

2,482,499
LAMINATES EMBODYING MIXED PHENOL-ARYLAMINE-FORMALDEHYDE RESINOUS PRODUCTS
Fritz J. Nagel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1946, Serial No. 671,383
7 Claims. (Cl. 117—76)



1. In the process of preparing resinous laminates, the steps comprising applying to a fibrous sheet material (A) the thermosetting partial reaction product derived by simultaneously reacting one mole of a phenol, from 0.1 to 0.6 mole of a secondary diaryl monoamine and sufficient formaldehyde to provide from 0.8 to 1.5 moles for each mole of the phenol and diarylmonoamine, and (B) the thermosetting partial reaction product of one mole of phenol, from 0.3 to 1.1 moles of a primary monoarylamine, and sufficient formaldehyde to provide from 0.8 to 1.5 moles for each mole of phenol and 0.8 to 2.4 moles for each mole of the monoarylamine, the weight ratio of the reaction products ranging from 1 to 10 for (A) to 10 to 1 for (B).

2,482,500
SPECTACLE CASE AND METHOD OF MAKING SAME
Emanuel Nathan, Maplewood, N. J.
Application August 20, 1948, Serial No. 45,266
5 Claims. (Cl. 69—21)



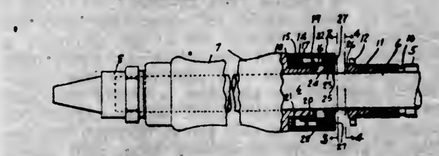
1. A spectacle case made of a pair of separate blanks, one of which is comparatively inflexible, said blank being deformed along the ends and bottom thereof to define a marginal flange and a shouldered portion contiguous thereto, to offset the front wall proper with respect to the rear wall and the bottom and end edges of the blank, the said marginal flange of said blank being secured to the other blank.

2,482,501
INTERNAL EXPANSION PIPE WRENCH
Julius R. Oravetz, New York, N. Y.
Application August 2, 1946, Serial No. 688,023
2 Claims. (Cl. 81—72)



2. An internal pipe wrench provided with a spindle, near one end of which is rigidly carried a cam of substantially oval cross section arranged longitudinally of the spindle and coaxially thereof, a link pivotally mounted coaxially of the spindle at each end of the cam and intermediate the ends of the links, means locking the link at one end of the cam against backing away from the cam and the link at the other end of the cam being locked against backing away from said last named end of the cam by a threaded member screwed on to the free end of the spindle, pins anchored in the link at said one end of the cam and extending parallel to one another and to the axis of the spindle to and through perforations in the link at the other end of the cam, and jaws pivotally supported on said pins between said links, with the inner surfaces of the jaws being concave to cooperate with the cam and the pipe engaging surfaces of the jaws being roughened to grip the interior surface of a pipe.

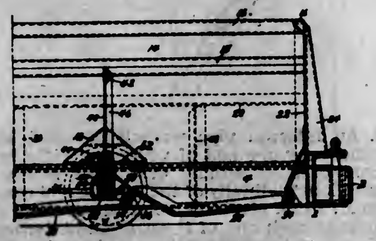
2,482,502
PUMP LOCK
Robert St. J. Orr, San Francisco, Calif.
Application December 18, 1944, Serial No. 568,688
3 Claims. (Cl. 103—262)



1. In a pump that has a tubular handle, plunger and main cylinder in coaxial alignment with the plunger reciprocable in said cylinder and the handle projecting from one end of the

cylinder, the improvement that comprises a cylindrical barrel secured to the end of said handle adjacent said cylinder formed with an open end directed toward said cylinder and projecting toward the latter, a radially outwardly projecting head secured to the end of said cylinder adjacent said barrel, said head being coaxial with said barrel and of a diameter less than that of the barrel adapting it to be enclosed within said barrel at one end of the stroke of said plunger, means within the end of said barrel adjacent said head including a spring urged element positioned for yieldable engagement with said head when the latter is within said barrel for releasably holding said head in said barrel when said plunger is at said one end of said stroke and a member on said barrel against which said head is adapted to be yieldably urged by said element when said head is in engagement with said element.

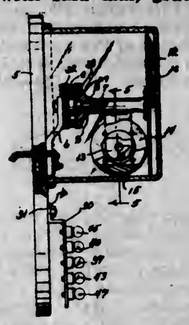
2,482,503
RESILIENTLY MOUNTED DROP BOTTOM MINE CAR
Herman H. Pancake, Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 17, 1944, Serial No. 522,730
9 Claims. (Cl. 105—304)



1. In a drop bottom mine or similar rail car the combination of side sills, lading retaining walls secured to the side sills, lading retaining doors pivotally carried by the side sills and together with said walls and sills forming the car body, transversely extending partitions connected to the side sills and lading retaining walls, axles extending through vertically elongated slots in the side sills and located in the plane of the partitions, spaced wheels supporting the axles, and transversely extending rows of coil springs resting on the axles between the side sills with their tops below the plane through the tops of the wheels and supporting the partitions and connected car body on the axles.

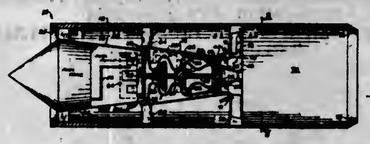
2,482,504
INCLINOMETER
Thomas D. Pennington, Bridgeton, N. J.
Application August 12, 1946, Serial No. 689,919
4 Claims. (Cl. 33—215)

1. In an inclinometer for registering both the longitudinal and lateral tilt of an airplane, a fixed shaft, means for supporting said shaft upon an airplane with its axis parallel to the longitudinal axis of the airplane, a sleeve mounted upon said shaft, said shaft being capable of complete rotation in said sleeve through 360 degrees, a pendulum depending from said sleeve and resisting movement of said sleeve under lateral tilting of the plane, a second pendulum mounted in the lower portion of the first named pendulum and about an axis disposed transversely of the plane, a graduated dial fixed to the said sleeve, a pointer carried by the shaft and coacting with said dial, gradustions upon



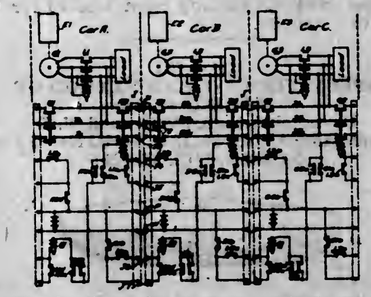
the second pendulum and an indicating element upon the first named dial coacting with the graduations upon the second pendulum.

2,482,505
MECHANISM PROVIDING A RAM JET ENGINE WITH A PILOT FLAME AND WITH A DRIVE FOR ITS AUXILIARY EQUIPMENT
Erold F. Pierce, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 13, 1947, Serial No. 773,811
14 Claims. (Cl. 60—35.6)



1. In combination: a jet engine comprising a duct-like member; a heat engine having rotatable power-transmitting parts and an exhaust duct; and means for introducing fuel into said exhaust duct for combustion therein, said exhaust duct being arranged to discharge the burning mixture into the combustion chamber of said jet engine to act as a pilot flame therefor.

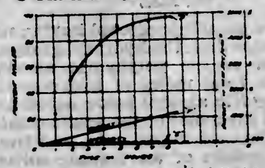
2,482,506
TRAIN-LINE CONTROL SYSTEM
George R. Purifoy and Robert E. Burkhart, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1946, Serial No. 676,906
7 Claims. (Cl. 171—97)



2. In a train-line control system for a plurality of cars, in combination, a generator on each car;

means for driving the generators, a plurality of train-line power conductors on each car, switching means for connecting the generator on each car to the power conductors on that car, means responsive to the generator voltage for controlling the operation of said switching means, first and second additional switching means on each car for connecting the train-line power conductors on a car to the conductors on one or the other of the adjacent cars, interlocking means on said first-named switching means for controlling the operation of said first and second additional switching means, and cross-connected interlocking means on said first and second additional switching means cooperating with said first-named interlocking means in the control of said first and second additional switching means, said cross-connected interlocking means functioning to prevent one generator from supplying power to more than two cars at a time.

2,482,507
METHOD OF DESTROYING MICRO-ORGANISMS
Harvey C. Rentschler, East Orange, and Rudolph Nagy, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1944, Serial No. 542,502
3 Claims. (Cl. 99—218)



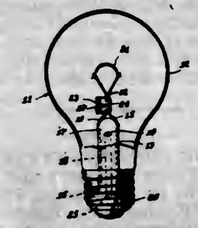
1. The method of sterilising a fluid host contaminated by *E. coli*, comprising irradiating said host with bactericidal ultra-violet energy at an intensity of about .038 microwatt per square centimeter, for a period of about 8 hours, whereby the aggregate amount of needed sterilization energy is decreased to less than one quarter of that needed for quick sterilization.

2,482,508
MODIFIED METHYLOL MELAMINE RESINS
Stuart H. Rider, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 21, 1946, Serial No. 692,137
8 Claims. (Cl. 260—67.6)

1. The resinous heat reaction product under substantially anhydrous conditions of 1 mol of an alkyl ether of methylol melamine with from 0.2 to 3 mols of an alkyl ortho silicate.

2,482,509
INCANDESCENT ELECTRIC LAMP FOR SERIES SERVICE
Clair Michael Rively, Bloomfield, and Kenneth G. Crocker, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1947, Serial No. 756,228
8 Claims. (Cl. 176—16)

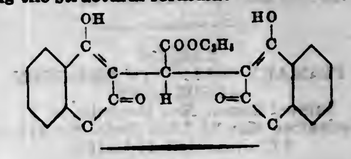
1. An incandescent electric lamp for series service comprising an enclosing translucent vitreous envelope, a mount therein including a pair of leads, a filament supported on the inner end portions thereof, said leads closely paralleling each other for a portion of their lengths inside of said envelope, and a thin layer of foraminous heat-resisting insulating material disposed between said parallel lead portions to maintain a



slight spacing thereof, whereby if the filament fails and the total available voltage appears at said leads, an arc occurs therebetween and maintains the circuit.

2,482,510
DERIVATIVES OF THE BENZOTETRONIC ACID AND PROCESSES FOR MANUFACTURING SAME
Jan Rosický, Prague, Czechoslovakia, assignor to Spojene farmaceuticke zavody, narodni podnik, Prague, Czechoslovakia
Application February 14, 1947, Serial No. 728,714
In Germany March 13, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1964
4 Claims. (Cl. 260—344.6)

4. As a new compound: 3,3'-carboxymethylenebis- (4-hydroxycoumarin) ethyl ester and having the structural formula:



2,482,511
PROCESS OF MANUFACTURING BIS-4-HYDROXY-COUMARIN ESTERS
Jan Rosický, Prague, Czechoslovakia, assignor to Spojene farmaceuticke zavody, narodni podnik, Prague, Czechoslovakia
No Drawing. Application February 14, 1947, Serial No. 728,715. In Switzerland November 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 6, 1965
3 Claims. (Cl. 260—344.6)

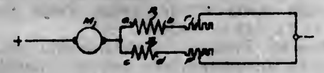
1. The process of manufacturing the ethyl ester of 3,3' - carboxymethylenebis - (4 - hydroxycoumarin) which includes the step of condensing benzotetronic acid with glyoxylic acid ethyl ester ethyl alcoholate.

2,482,512
PROCESS OF MANUFACTURING 3,3'-CARBOXYMETHYLENEBIS - (4 - HYDROXY-COUMARIN) COMPOUNDS FOR THE REDUCTION OF THE PROTHROMBIN LEVEL
Jan Rosický, Prague, and Karel Fušík, Prague-Modrany, Czechoslovakia, assignors to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia, a corporation of Czechoslovakia
No Drawing. Application February 14, 1947, Serial No. 728,720. In Czechoslovakia August 31, 1946
3 Claims. (Cl. 260—344.6)

3. The process of manufacturing compounds for the reduction of the prothrombin level of the

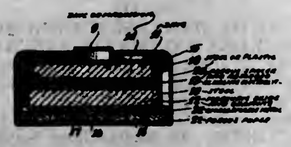
blood which includes the step of condensing 3,3'-carboxymethylenebis-(4-hydroxycoumarin) at elevated temperature in the presence of hydrochloric acid as a dehydrating condensing agent with a lower aliphatic alcohol having a number of carbon atoms of one to four and thereby esterifying exclusively the carboxylic function of said 3,3'-carboxymethylenebis-(4-hydroxycoumarin).

2,482,513
MOTOR CONTROL SYSTEM
Charles Adrien Pierre Rossignol and Paul Marie Jacques Séverin de Giacomoni, Paris, France, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1947, Serial No. 758,846
In France October 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1965
5 Claims. (Cl. 318—252)



1. A system for regulating the speed of an electric motor having an armature winding and a plurality of field coil windings, said field coil windings having different characteristics, comprising means for connecting said field coil windings first in series and later in parallel-circuit relation, and an adjustable resistor connected in series-circuit relation with each one of the parallel-connected field winding circuits.

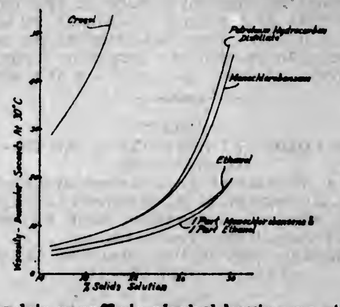
2,482,514
PRIMARY CELL WITH MERCURY ABSORBENT
Samuel Ruben, New Rochelle, N. Y.
Application May 21, 1946, Serial No. 671,201
4 Claims. (Cl. 136—107)



1. In combination with a dry cell comprising a sealed container, an anode, an electrolyte, a depolariser containing mercuric oxide which is reduced to mercury during operation of the cell, and an emergency vent responsive to excessive internal pressure within said cell; an outer container partially enclosing said cell and defining therewith a closed space into which said vent opens, and a readily amalgamable metal in said space adapted to combine with and to take up any mercury escaping through said vent.

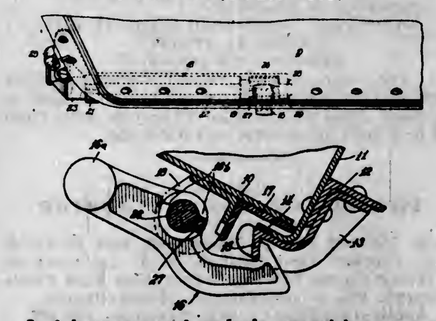
2,482,515
POLYESTER AMIDE RESIN SOLUTION CONTAINING MIXED SOLVENTS
Frank A. Sattler, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1946, Serial No. 714,813
4 Claims. (Cl. 260—33.4)

1. A resin solution comprising in combination from 5 to 60 parts by weight of the polyesteramide resinous reaction product of from 4.25 to 5.9 moles of an unsaturated acidic compound selected from the group consisting of maleic acid, maleic anhydride and fumaric acid, from 4.8 to 2 moles of a mixture of saturated aliphatic hydrocarbon dicarboxylic acids having an average of from 2 to 3½ non-carboxyl carbon atoms per acid molecule selected from the groups consisting of saturated hydrocarbon dicarboxylic aliphatic acids having from 1 to 12 non-carboxyl carbon atoms, the saturated dicarboxylic aliphatic acids composed of at least 25 mole-per cent of succinic acid, the moles of the acidic ingredients totaling between 7.2 to 8.8, from 2.1 to 2.65 moles of a saturated hydrocarbon primary diamine having an average of from 2 to 3 carbon atoms per molecule, and from 5 to 6.75 moles of a saturated



polyhydric paraffinic alcohol having no other reactive groups than the hydroxyl groups, the major proportion of the polyhydric alcohol being a glycol, the total moles of hydrocarbon diamine and polyhydric alcohol being substantially equal to at least the moles of the acidic compounds and dicarboxylic acid ingredients, and from 95 to 40 parts by weight of an organic solvent for the reaction product, the organic solvent composed of from 40% to 60% by weight of cresol and the balance an organic diluent selected from the group consisting of ethanol, propanol, xylene, monochlorobenzene, dichloropentane and petroleum hydrocarbon distillates boiling in the range of from 130° C. to 185° C.

2,482,516
DUMP CAR DOOR LOCK
Jay R. Sheesley, Winnetka, Ill.
Application October 16, 1946, Serial No. 703,514
5 Claims. (Cl. 105—308)



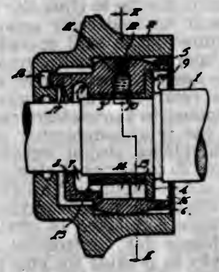
3. A hopper car door lock comprising an operating shaft disposed transversely of the car and rotatably mounted on the bottom of the hopper, the inner end of said shaft being provided with a cylindrical eccentric portion on the shaft and with a radially disposed lug arranged in predetermined circumferential spaced relation with

the major axis of said eccentric portion; a stationary latch member secured on the bottom of the door intermediate its sides; a counterweighted latch pawl having a hook end and swiveled on the eccentric portion of said shaft and adapted to normally swing into latching position, said pawl being provided with a hub adapted to receive the eccentric portion of the shaft and having a laterally disposed segmental extension arranged in the path of said lug, said eccentric portion upon rotation of the shaft causing the latch pawl to move horizontally while said lug upon further rotation of the shaft causes the hook end of said pawl to swing vertically into door locking position and to move the hook end of the pawl out of engagement with said stationary latch member upon rotation of the shaft for door releasing.

2,482,517
CORROSION INHIBITING COMPOSITION
Knapel F. Schiermeier, Alton, and Walter E. Heins, Roxana, Ill., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 13, 1945, Serial No. 582,582
12 Claims. (Cl. 252—33.4)

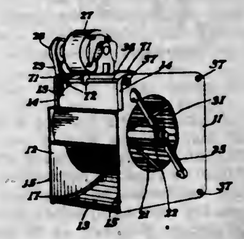
1. A homogeneous, storage-stable solution in an essentially hydrocarbon medium of a corrosion-inhibiting amount of a partial ester of an acyclic polyhydric alcohol an aliphatic acid having from 10 to 40 carbon atoms, said partial ester having the following properties: a melting point below about 200° F., a solubility in said medium below that enabling dissolution of said amount at normal room temperature in the absence of a mutual solvent, a ratio of hydroxyl to ester radicals of at least 1:1, a content of at least 12 carbon atoms and of at least 2 hydroxyl radicals separated from each other by not more than 3 directly connected atoms, said solution additionally containing an oil-soluble salt of an organic sulfonic acid in an amount sufficient to maintain the ester in solution under normal storage conditions.

2,482,518
SEALED SLEEVE BEARING
Raymond W. Schuck, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1945, Serial No. 635,354
6 Claims. (Cl. 308—132)



6. In combination, a sleeve-type bearing for a rotatable shaft, said bearing being made of porous bearing material so as to be capable of absorbing oil, a housing for said bearing, said housing having a closed oil chamber in the upper part thereof for initially holding a supply of oil in contact with the bearing to be absorbed thereby, said housing also having oil chambers in the lower part thereof adjacent each end of the bearing for receiving oil escaping from the ends of the bearing and a passage connecting said last-mentioned chambers, said bearing having a radial flange at one end thereof, said flange being of large enough diameter to extend into one of the last-mentioned chambers to absorb oil therefrom, one end of said housing surrounding the shaft with a small clearance and forming a seal, and the other end of said housing having a large enough opening to receive the flange of the bearing, and sealing means closing the open end of the housing.

2,482,519
SQUARE SIDED BLOWER
Gerald L. Schwarz, Cleveland Heights, Ohio, assignor to Air Controls Inc., Cleveland, Ohio, a corporation of Ohio
Application July 19, 1947, Serial No. 762,188
6 Claims. (Cl. 230—133)



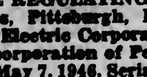
1. A blower casing comprising a pair of opposed rectangular end plates flanged on three sides and part of the fourth side, and with flanged air intake openings, the flanges being directed toward the opposing plate and a scroll having inturned flanges lying against and welded to the end plates, the ends of the scroll being disposed against the ends of the marginal flanges of the end plates.

2,482,520
MANUFACTURE OF RENNET PASTE
Everette C. Scott and George W. McDonald, Ashton, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 22, 1946, Serial No. 704,382
4 Claims. (Cl. 195—68)

1. The process of preparing a rennet paste adapted for cheese making and having superior keeping qualities and improved flavor and odor characteristics, which comprises: forming a paste of a curd containing about the fat content of whole milk curd and rennet material selected from the class consisting of purified hashed rennet stomachs, liquid rennet extract and powdered rennet extract, the rennet material being present in the ratio of about 1 to 12 parts to 60 to 100 parts of curd; and then adjusting the pH of said paste within the range of about 4 to 5 whereby the growth of putrefying bacteria is retarded and the development of desired flavor characteristics is promoted.

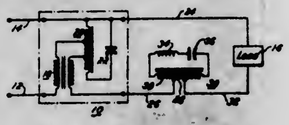
2,482,521
HALOGENATED PHENACYLPYRIDINES
James M. Smith, Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 24, 1947, Serial No. 724,237
5 Claims. (Cl. 260—287)

1. Compounds having the general formula



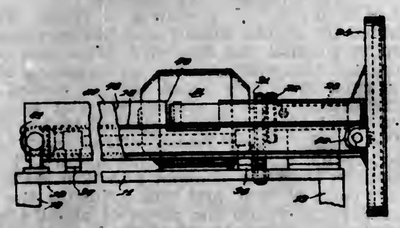
in which X is a halogen, R is a member of the group consisting of pyridine, benzopyridine and alkylpyridine radicals, and R' is a halogenated aryl radical.

2,482,522
VOLTAGE REGULATING SYSTEM
Lester G. Tubbs, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,755
2 Claims. (Cl. 323—61)



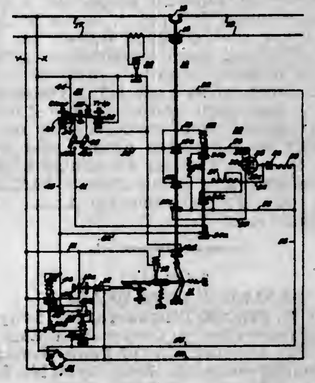
1. In a regulating system having a static voltage regulator disposed to supply an inductive load, the combination comprising, a transformer having its primary winding connected in series circuit relation between the regulator and the load, and a reactor and a capacitor connected in series circuit relation disposed to be supplied by the transformer whereby the voltage drops across the reactor and capacitor are in opposition, the transformer being of sufficient size to produce only enough energy to supply the difference in the voltage drops across the series connected reactor and capacitor, the reactor and capacitor being selected to cooperate to compensate for frequency changes with the capacitor being of sufficient capacity to also compensate for the inductive reactance of the regulator due to the inductive load supplied.

2,482,523
SLICING MACHINE
Gerald W. Urschel and Joe R. Urschel, Valparaiso, Ind.
Application November 18, 1944, Serial No. 564,029
9 Claims. (Cl. 146—116)



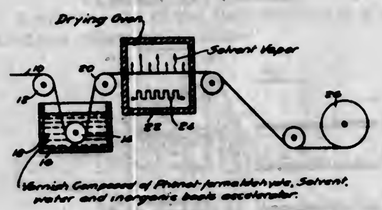
1. In a slicing machine, a rotary structure including co-axial inner and outer blade holders, a series of thin flexible blades arranged radially of said structure between said holders and in spaced relation circumferentially thereof as the sole connecting means therebetween, each blade having a leading cutting edge and a trailing edge extending lengthwise thereof, means for anchoring outer end portions of the blades to the outer holder while disposing the cutting edges of such outer portions slightly axially of the rotary structure from the trailing edges of such outer portions, means for anchoring inner end portions of the blades to the inner holder while disposing the cutting edges of such inner end portions slightly axially of the structure from the trailing edges of such inner end portions in the same axial direction that the cutting edges of the outer end portions are disposed from their associated trailing edge portions, and means for displacing at least one of the anchorage means radially of the structure for drawing the blades taut between their inner and outer anchorage means.

2,482,524
RECLOSING CONTROL SYSTEM FOR CIRCUIT BREAKERS
Charles R. Vrooman, Hamilton, Ontario, Canada, assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada, a company of Canada
Application September 20, 1947, Serial No. 775,187
In Canada September 5, 1947
3 Claims. (Cl. 175—294)



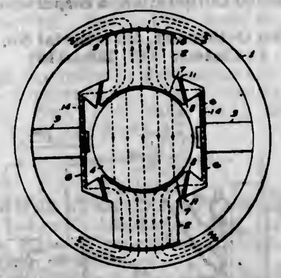
1. A system for controlling the operation of a circuit breaker having closing and tripping means comprising, relay means operable to effect operation of the closing means to close the breaker, an energizing circuit for said relay means, an electronic relay connected in said energizing circuit to control the energization of the relay means in response to the opening operation of the breaker, said electronic relay having a control element operable in response to a predetermined bias voltage to render the relay conducting and thereby render said energizing circuit effective, a condenser connected to said control element and normally charged when the circuit breaker is closed to render the electronic relay conducting, and a variable resistance connected in circuit relation with the condenser for controlling its rate of charging, thereby to provide for effecting an immediate reclosure of the breaker in response to the opening thereof and to prevent further reclosures of the breaker in the event that it reopens prior to the time the condenser is recharged to such extent as to again render the electronic relay conducting.

2,482,525
ODORLESS PHENOL-FORMALDEHYDE RESINOUS PRODUCTS
Joseph J. Wachter, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1945, Serial No. 623,280
8 Claims. (Cl. 260—29.3)



1. A composition composed of the reaction product of 1.0 mols of phenol, 1.15 to 1.35 mols of formaldehyde in aqueous solution heated to 100° C. and refluxed for from 1.5 to 2.25 hours in the presence of a catalyst composed of from 0.45 per cent to 0.55 per cent of ethylene diamine based on the weight of the phenol, the refluxed product being subjected to evacuation and distillation to an absolute pressure of from 0.2 to 0.01 atmospheres while at a temperature of above 100° C. but not materially exceeding 150° C., a water miscible volatile liquid organic solvent in an amount of from 40 per cent to 180 per cent of the weight of the reaction product and water from 10 per cent to 100 per cent of the weight of the reaction product.

2,482,526
DYNAMOELECTRIC MACHINE
Earl C. Watson, Turtle Creek, and Albert W. Kimball, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1945, Serial No. 603,942
11 Claims. (Cl. 322—50)



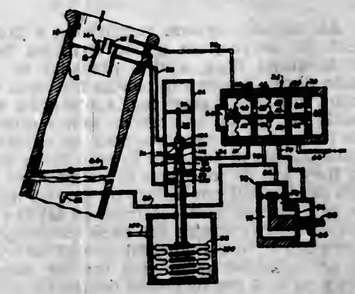
1. A direct-current dynamo-electric machine having a frame, a plurality of main poles, an interpole between each pair of main poles, a rotatable commutator-type armature, brushes bearing thereon, shunt-type exciting-windings for exciting said main poles, series interpole-windings for exciting said interpoles, a magnetic shunt between each side of each interpole and the pole-face portion of the adjacent main pole, said shunts for causing said main poles to have sufficient saturation so that a material increase in armature current is caused by the reaction of the main poles by the magnetic flux thereof.

2,482,527
INSULATION
Conrad Weil, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1944, Serial No. 539,499
8 Claims. (Cl. 171—252)



1. A preformed molded insulator comprising a curved segment of a channel-shaped member having its web portion on the outside and curved to fit a segment of a circle, less than a complete circle in length, said member being made in one mechanically rigid integral piece composed of an impregnable insulating material which will stand a temperature of more than 125° C. continuously, and an impregnating binder of a hardenable insulating material.

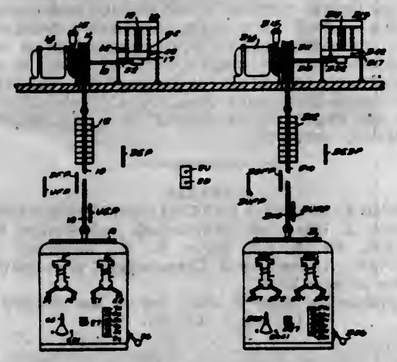
2,482,528
DOUBLE-BOOST VENTURI CONSTRUCTION
Francis J. Wiegand, Ridgewood, and Robert W. Scott, Packanack Lake, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application June 8, 1945, Serial No. 598,320
5 Claims. (Cl. 261—69)



5. Mechanism for controlling the fuel-air ratio of the combustion mixture for an engine: said mechanism comprising a first Venturi tube in the air flow path; a second Venturi tube disposed as a boost Venturi tube in relation to said first Venturi tube; a chamber; means providing a first passage having one end adapted to communicate with said chamber and having its other end opening into the throat of said first Venturi tube; means providing a second passage having one end adapted to communicate with said chamber and having its other end opening into the throat of said second Venturi tube; a first valve movable to control said first passage; a second valve movable to control said second passage; barometric means for automatically controlling said first and second valves so that at a low altitude said first valve is at a minimum open position and said second valve is at a maximum open position and as said altitude increases to a predetermined value said first valve moves to its maximum open position and said second valve moves to its minimum open position and at still higher altitudes said second valve remains at a minimum

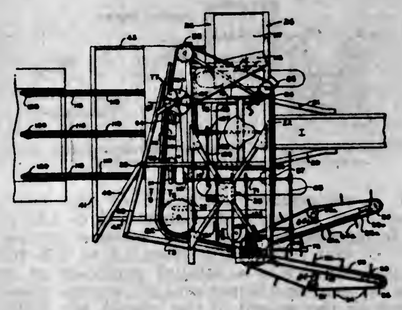
open position and said first valve moves in a closing direction; means responsive to the pressure differential between air pressure in said flow path and the fluid pressure in said chamber for regulating the fuel flow; and means providing a restricted by-pass passage for said pressure differential around said responsive means.

2,482,529
ELEVATOR SYSTEM
Harold W. Williams, Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1946, Serial No. 701,729
18 Claims. (Cl. 187—29)



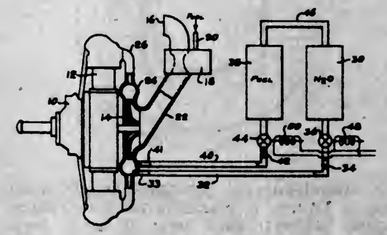
16. An elevator system comprising a plurality of cars for serving an upper terminal floor, a lower terminal floor, and a plurality of intermediate floors, a starting means for each car, a stopping means for each car, a reversing means for each car, an up call device and a down call device for each intermediate floor for causing the stopping means of the cars to stop them thereat when they are in condition to make such stops, a high call circuit controlled by the up and the down call devices and common to all the cars, a high call above device for each car responsive to operation of the high call circuit when that car is an unloaded up moving car for operating its stopping and the reversing means at the floor of the highest operated down call device, a plurality of resistor circuits and means for adjustably connecting them for a plurality of floors to define a service demand zone, a quota means common to all of the cars and connected to the resistor circuits and operable by a predetermined number of down call devices in the service demand zone being in operated condition, a service demand device for each floor, a bypass device for each car for rendering the operating means of that car unresponsive to operated call devices, means responsive to operation of the bypass device of a car when it makes a down stop at a floor for operating the service demand device for that floor, an auxiliary circuit responsive to operation of the quota means and operation of a service demand device for operating the high call above device of the next unloaded up moving car to cause operation of the stopping and the reversing means of that car at the highest operated down call device below the floor of the operated service demand device, and means responsive to operation of the stopping means and the reversing means of said unloaded car for restoring the operated service demand device to unoperated condition.

2,482,530
HARVESTER
Allan R. Wurtele, Mix, La.; Noemie Garrett Wurtele and N. P. Phillips, executors of said Allan R. Wurtele, deceased, assignors of one-half to Noemie Garrett Wurtele and one-half to Joanna Wurtele
Application April 10, 1941, Serial No. 387,813
7 Claims. (Cl. 56—157)



1. In a harvester for plants having stalks, means for cutting the stalks of a single row as the harvester moves through the field, and conveying means constructed and arranged to grip and convey the severed stalks in a substantially upright position to and across the rear of the harvester and comprising discharge means having a release element operable to release the stalks at different places, whereby the stalks cut from two successive rows may be deposited in a single row along the field.

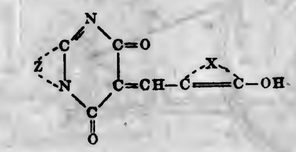
2,482,531
ANTIDETONATION SYSTEM
Raymond W. Young, Hohokus, and George H. Keller, Radburn, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application October 21, 1944, Serial No. 559,742
15 Claims. (Cl. 123—119)

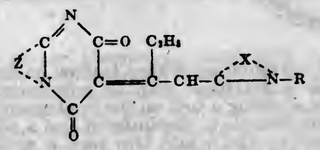


1. In combination with an internal combustion engine, means operative to supply a first fluid containing oxygen and a second fluid containing combustibles to said engine, and means operable to effect introduction of a third fluid into said engine, said third fluid inhibiting detonation within said engine and supplying oxygen for combustion within said engine.

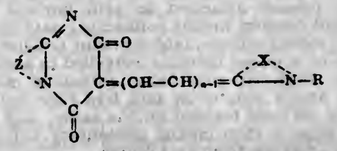
2,482,532
MEROCYANINES AND PROCESS FOR THEIR PREPARATION
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1945, Serial No. 633,537
7 Claims. (Cl. 260—240)

1. A cyanine dye of the class consisting of dyes having the following formulae:





and



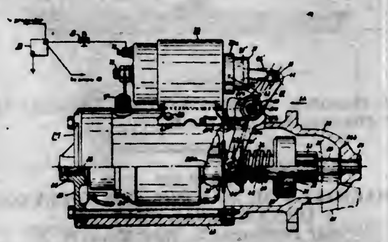
wherein X and Z represent the atoms necessary to complete a nitrogenous heterocyclic nucleus usual in the cyanine dye art, n represents a positive integer ranging from 1 to 3, and R represents an alkyl radical.

2,482,533
FLUX
Ray Andrews, Washington, Pa., assignor to B. F. Drakenfeld & Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 10, 1947, Serial No. 740,709
2 Claims. (Cl. 106—48)

1. A flux analytically containing the following oxides in approximately the following percentages; i. e., ZnO, 45.1; SiO_2, 16.1; B_2O_3, 18.3; Li_2O, 2.6; CaO, 3.5; Na_2O, 4.7.

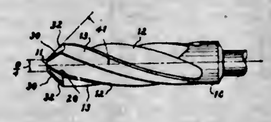
2,482,534
ENGINE STARTING APPARATUS
John E. Antonidis, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1948, Serial No. 36,636
3 Claims. (Cl. 74—7)

1. Engine starting apparatus comprising an electric motor having a shaft, a pinion connected with the shaft and movable axially into mesh with a gear of the engine to be started, a pivotally supported lever, a spring for transmitting to the pinion the motion of the lever which effects gear engaging movement of the pinion, a main switch for connecting the motor with the current source, means for effecting said motion of the lever and for closing said switch, said means comprising a solenoid having magnet windings and a linearly movable armature, a device for transmitting motion of the armature to the switch, a link for connecting the armature with the lever, said armature operating, when said windings are energized, to move the pinion into mesh with the engine gear and to close the switch and operating, in the event of abutment of the pinion teeth with the gear teeth, to deflect said spring while moving to close the main switch, a spring operating through the lever to retract the pinion



from the gear, and a stop limiting the pinion-retractive movement of the lever to a position such that the pinion clears the gear and such that, in the event of tooth abutment, the link will be axially aligned with the solenoid armature when deflection of the first spring begins.

2,482,535
COUNTERSINKING TOOL
Russell E. Bayless, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 4, 1946, Serial No. 667,396
5 Claims. (Cl. 77—73.5)



1. A rotary counter-sinking tool having a series of main cutting edges and a series of secondary cutting edges all lying in a geometrical cone, each of said main cutting edges lying at a predetermined angle to the right line of generation of said cone, each of said secondary cutting edges lying at a predetermined angle to the right line of generation of said cone, said predetermined angle of said main edges being substantially greater than said predetermined angle of said secondary edges, all of said cutting edges having their inner ends inclined forwardly relative to the direction of rotation of said tool.

2,482,536
LUBRICATING MEANS FOR BEARINGS AND SPINDLES OR SHAFTS
Ettore Bugatti, Paris, France
Application September 11, 1945, Serial No. 615,637
In France September 12, 1944
8 Claims. (Cl. 308—122)

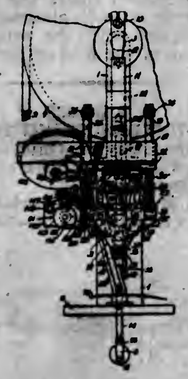
4. A self-contained, shaft bearing and lubricating unit which comprises the combination of a tubular rigid member with substantially continuous, smooth inner and outer cylindrical peripheries, said member having in its annular wall a longitudinal inner channel co-extensive therewith, an inner chamber located substantially midway between the ends of said member, adapted and arranged to communicate with said channel, and an inner lubricant delivering duct from said chamber to the inner periphery of said member

substantially midway between the ends thereof; and a lubricant pump supported and confined in



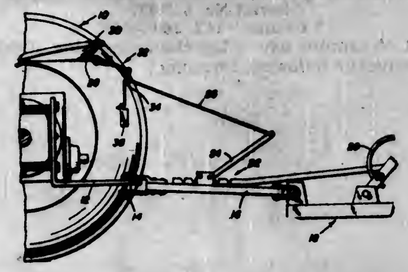
said chamber, adapted to force lubricant from said channel into said duct.

2,482,537
MACHINE FOR MAKING AND APPLYING ORNAMENTAL DEVICES
Cesar Bustamante, New York, N. Y.
Application July 9, 1946, Serial No. 682,447
4 Claims. (Cl. 1—3)



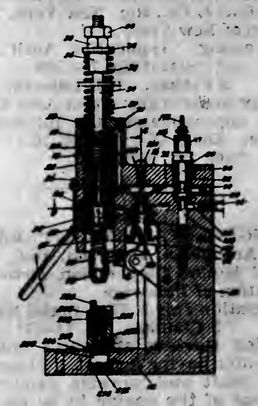
1. In a machine for applying ornamentation devices to fabric, a reciprocating plunger and a reciprocating carriage actuated thereby to reciprocate with the plunger during part of each stroke, the plunger moving relatively to the carriage during the remainder of the stroke, a reversible carrier mounted on said carriage for receiving and inverting ornamentation devices, a work support including a crimping tool, said reversible carrier being advanced to cooperating position with said work support by the reciprocation of said plunger, said reversible carrier having an opening extending from end to end thereof with a mouth portion at each end adapted to receive and hold a partially fabricated ornamentation device, die means longitudinally shiftable in said opening having a die within each of said mouth portions, punch means operated by said movement of the plunger relative to the carriage for punching out an ornamentation device and bending the prongs thereof and moving the same into one of the said mouth portions to engage the die therein and shift said die means to cause the ejection of a previously formed ornamentation device from the opposite mouth portion causing the prongs thereof to penetrate the fabric on the work holder and forcing them into engagement with said crimping tool, and means within said opening to arrest the movement of said die means to cause said first mentioned ornamentation device to be compressed by the said punch and die to fashion the same.

2,482,538
TRIP ROPE SAFETY RELEASE
Delmar L. Bogan, Blandinsville, and Max E. Welsh, Scioto, Ill.
Application June 7, 1946, Serial No. 675,593
2 Claims. (Cl. 280—150)



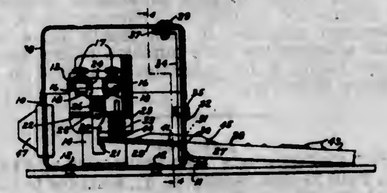
1. In combination with a tractor having a detachable engagement with an implement, a trip rope for allowing a tool on the implement to yield when an obstacle is encountered and a portion of a tractor to which said trip rope is attached, a safety release attached to said portion and a constant tension means connecting said trip rope to said safety release, said constant tension means including a pulley member swivelled to said safety release, said trip rope being entrained over said pulley and a weight on said trip rope for maintaining an even tension on the same, said weight comprising a stop means preventing withdrawal of said trip rope from said pulley.

2,482,539
AIR-OPERATED PRESS
Url D. Foster, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn., a corporation of Connecticut
Application November 4, 1943, Serial No. 509,967
7 Claims. (Cl. 113—45)



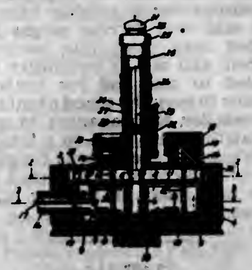
1. In an air-operated press, an air-operated piston, cooperating dies one of which is moved by said piston, inlet and exhaust valves controlling flow of air to and from said piston, cooperating means operating in coordination with the return stroke of said piston utilizing air exhausted by said return stroke to elevate a stamped article from the bottom die and to direct an air blast against said article to remove it from the die.

2,482,540
PEDAL ACTUATED ELECTRIC SWITCH
William C. Furnas, Batavia, and Edwin B. Schumacher, Aurora, Ill., assignors to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,972
9 Claims. (Cl. 200—153)



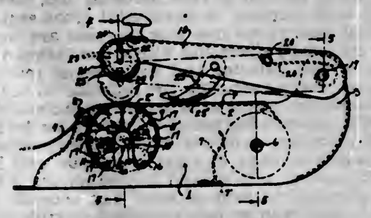
9. A switch assemblage comprising, a casing having a wall provided with a slot, a switch mounted upon said casing adjacent to said wall and having fixed and movable contacts, said movable contacts being carried by a rod formed with an abutment and movable toward and away from said fixed contacts, means for guiding said rod during movement thereof, an actuating lever having its medial portion fulcrumed in said slot and its inner end cooperable with the abutment of said contact carrier rod, a spring cooperable with said rod to constantly urge said rod and the contacts carried thereby toward said fixed contacts, and a stronger spring cooperable with the guide means for said rod and with said lever to constantly urge said rod and the contacts carried thereby away from said fixed contacts.

2,482,541
HIGH-FREQUENCY ELECTRICAL APPARATUS
Robert N. Hall, Amandus H. Sharbaugh, and Lewi Tonks, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 12, 1945, Serial No. 593,494
11 Claims. (Cl. 250—27.5)



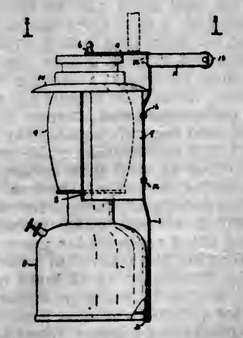
1. An electric discharge device comprising a space resonant structure adapted to be excited into high frequency oscillation by the space charge of said device, means adjacent said structure for tuning said structure to different operating frequencies, an output element coupled to said structure, and means intercoupling said means and said output element for varying the coupling between said resonant structure and said output element as the operating frequency is varied.

2,482,542
TAPE PRINTING MACHINE
Emery M. Hanrahan, Kenosha, and William A. Mertins, Racine, Wis.
Application August 16, 1946, Serial No. 691,067
1 Claim. (Cl. 101—297)



A printing machine comprising a housing, a tape mounted upon the housing, a forwardly disposed circular opening in one side wall of the housing having a yielding journal ear extending into the opening, a spring tensioned paper tape roll journaled in the rear end of the said housing, type faced drum journaled in one side wall of the housing and yielding journal ear, over which the tape is adapted to travel, friction locking means between the drum and ear, a spring controlled manually actuated printing arm pivoted at the rear end of said housing above the bed thereof, a carbon roller mounted in the free end of the printing arm in vertical alignment with the axis of the type drum, a gravity controlled feed finger pivoted to the printing arm, the finger having a crowned friction feed shoe engageable with the tape, the said finger being extended forwardly and downwardly from its pivot for engagement and forward feed of the tape, when the printing arm is depressed, followed by a printing operation of the carbon roller to cause a slight adhesion of the tape by the finger, to eliminate back feed thereof and a shear strip under which the tape is manually drawn after a complete printing operation to expose the printed list of items, which list is then manually severed from the tape by the shear strip.

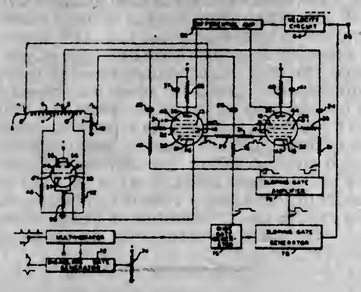
2,482,543
LANTERN REFLECTOR
Joe D. Jackson and Ralph D. Davidson, Houston, Tex., assignors, by direct and mesne assignments, to said Jackson
Application May 13, 1946, Serial No. 669,992
1 Claim. (Cl. 240—52)



A lantern reflector comprising, a single vertical bar whose lower end is inwardly retracted form-

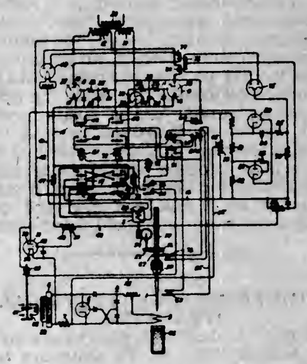
ing a hook adapted to engage over the bottom rim of a lantern and whose upper end is overturned at right angles forming an arm adapted to overlie the top of a lantern and whose free end is provided with an opening to receive a set bolt to secure said arm to the top of the lantern, a reflector formed of thin material and substantially semi-circular in horizontal cross-sectional contour and whose free side margins are formed into outwardly diverging wings, the forward surfaces of the reflector and wings being reflecting surfaces, means securing the reflector to the bar, said reflector being of a length to extend from slightly beneath the lantern globe up to the hood of the lantern, said bar being slightly offset at its respective ends to clear the globe and hood of the lantern, a U-shaped handle having a cross bar attached to said vertical bar beneath said arm, a grip member between the free ends of the U-shaped handle and means for securing the handle to the vertical bar either in horizontal or vertical position.

2,482,544
PULSE CODE OPERATED ELECTRONIC RANGE INDICATOR
Andrew B. Jacobsen, Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application May 2, 1945, Serial No. 591,587
3 Claims. (Cl. 250—27)



1. In a radio circuit, an artificial delay line, means for applying voltage pulses to said delay line, a plurality of multigrid vacuum tubes, means for connecting the grids of said multigrid vacuum tubes to said delay line so that when voltage pulses in a predetermined sequence pass down said delay line said grids will be simultaneously raised in potential, a first rectangular pulse generator, means for supplying to said first rectangular pulse generator trigger pulses spaced at predetermined time intervals, a second rectangular pulse generator, means for triggering said second rectangular pulse generator, means for applying the output of said second rectangular pulse generator to said first rectangular pulse generator to prevent triggering of said first generator during a predeterminable period of time, a third rectangular pulse generator, means for causing the output of said first rectangular pulse generator to trigger said third rectangular pulse generator, means for applying the output of said third rectangular pulse generator to at least one grid in each of said multigrid vacuum tubes, a fourth pulse generator of which at least a portion of the output is a substantially linear function with respect to time, means for causing the output of said third pulse generator to trigger said fourth pulse generator, means for inverting at least a portion of the output of said fourth pulse generator, means for applying the inverted voltage to at least one of said grids of one of said multigrid vacuum tubes, means for applying a further portion of the output of said fourth pulse generator to at least one grid of another of said multigrid vacuum tubes, load means connected to each anode of said vacuum tubes, a differential amplifier, means for applying voltages developed across said load means to said differential amplifier, and means for feeding back the output of said differential amplifier to said fourth pulse generator whereby the time duration of the output of said fourth pulse generator is altered in accordance therewith.

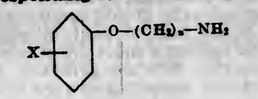
2,482,545
HIGH-FREQUENCY HEATING APPARATUS
John Paul Jordan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 24, 1945, Serial No. 606,821
11 Claims. (Cl. 219—47)



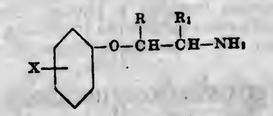
1. High frequency electric induction heating apparatus for heating an elongated work piece made of magnetic material comprising a heating coil, connections for supplying high frequency current to said coil, driving means for feeding an elongated work piece into heating relation with said coil, and means responsive to the current supplied to said coil for controlling said driving means to vary the speed of said work piece in inverse relation with changes in said current so as to heat the work piece to a temperature at least as high as its decalescent temperature before it leaves said coil so that a part of the portion of the work piece in heating relation with said coil is nonmagnetic.

2,482,546
PHENOXYALKYLAMINES AS ACCELERATORS FOR PHOTOGRAPHIC DEVELOPERS
Frank J. Kazuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 9, 1948, Serial No. 37,965
12 Claims. (Cl. 95—88)

1. An alkaline photographic developer for silver-halide emulsions comprising an aromatic silver-halide developing agent and a phenoxyalkylamine selected from the class consisting of those corresponding to the following formulae:



and



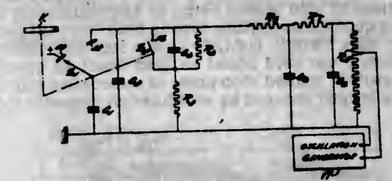
wherein R and R_1 represent a group selected from the class consisting of hydrogen and methyl, R being hydrogen when R_1 is methyl and R_1 being hydrogen when R is methyl, *n* is a positive integer of from 2 to 3, and X is a group selected from the class consisting of hydrogen, nitro and halogen, and the salts of said amines.

2,482,547
PRODUCTION OF DESIGNS ON NONMETALLIC HEAT-RESISTING BASES
Frank Enoch Kerridge, London, England, assignor to Johnson, Matthey & Company Limited, London, England, a British company
No Drawing. Application April 6, 1945, Serial No. 587,014
In Great Britain April 18, 1944
7 Claims. (Cl. 41—42)

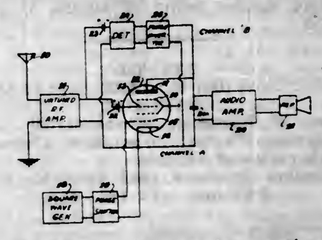
1. A process of pfoducing designs on nonmetallic heat-resisting bases comprising the steps of: (*a*) providing a non-metallic base with a thin film of a composition consisting of a solution of a resinate of at least one base metal, (*b*) firing the coated base to burn away organic material and leave a firmly adherent film of metal oxide on said base, (*c*) coating the resulting surface with a film of a light-sensitized colloid selected from the group consisting of glue and gelatine and processing said film by photographic methods to produce a positive image in said colloid of the desired design, (*d*) hardening said image to convert it into a resist, (*e*) etching away the coating not covered by the resist with a solution of a halogen selected from the group consisting of bromine and iodine in a non-aqueous solvent, selected from the group consisting of liquid alcohols and esters, thus leaving the metal oxide design below the resist and (*f*) firing the coated base to burn away the resist.

2,482,548
ELECTRIC PIANO
Frederik Kerkhof, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 25, 1946, Serial No. 664,745
In the Netherlands July 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 15, 1962
6 Claims. (Cl. 84—1.26)

1. In an electrical musical instrument playable by keys and having for each key thereof a system whose varying output potential controls the intensity of the note produced by striking said key, said system comprising a capacitance, means to charge said capacitance to a potential level proportional to the velocity of the downstroke of said key, and an impedance connected in parallel with said capacitance for discharging said capacitance, said impedance having first and second values successively in the course of discharge, said first value effecting a decrease in the potential of said capacitance according to an *e* function having a given exponent, said second value effecting a decrease in potential according to an *e* function having a relatively small exponent.



2,482,549
METHOD OF AND APPARATUS FOR RECEIVING RADIO SIGNALS
Robert T. Killman and Frederick W. Beesley, Nashville, Tenn.
Application December 3, 1943, Serial No. 512,694
2 Claims. (Cl. 250—20)

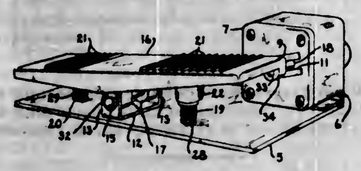


1. In a radio receiving system, a signal wave collecting system which is non-differentiative as between desired and undesired signal waves, a two channel signal wave passing system, each of said channels being normally responsive only to signal wave half cycles of one polarity, one of said channels being capable of being intermittently blocked so that during the blocked interval said channel is not responsive to signal waves of either polarity, means for blocking said last named channel during the interval that the half cycles of the desired signal wave of the polarity to which said channel is normally responsive are applied thereto but allowing said channel to pass all signal waves of the polarity to which it is normally responsive which are applied thereto during the interval that half cycles of the desired signal of the opposite polarity to that to which the said channel is normally responsive are applied thereto, means for differentially combining the outputs of the two channels so that all signal waves appearing in both channels are cancelled out, while signal waves apearing in only one channel are not cancelled, and means for translating the uncancelled waves into sensible phenomena.

2,482,550
FOOT ACTUATED ROTARY SWITCH
Nobel H. Koertge, Glen Ellyn, and Edward L. Rucks, Aurora, Ill., assignors to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application May 24, 1947, Serial No. 750,338
7 Claims. (Cl. 200—86)

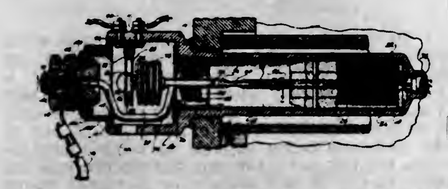
7. A foot actuatable switch assemblage comprising, a rotary switch having a control shaft and being mounted upon a relatively wide base, a foot actuatable pedal swingably supported upon said base in proximity to said switch, said pedal

being provided with depending recessed bosses of different heights on opposite sides of its support, the recesses of said bosses being of approximately the same depth, connecting means between said pedal and said switch control shaft for transferring motion from said pedal to said shaft to operate the switch, spaced stop posts of approximately the same length secured to said base on opposite sides



of the pedal support, each of said posts extending toward the recess of one of said pedal bosses and being cooperable therewith to limit the swinging movement of said pedal, and a compression spring embracing each of said posts and confined between said base and each of said pedal bosses to constantly urge said pedal toward neutral position, said springs being of similar length and strength.

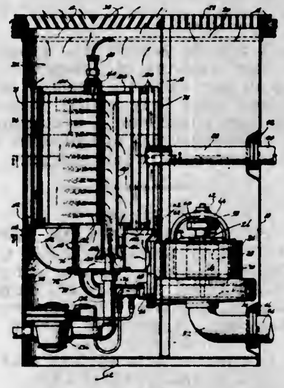
2,482,551
COMBINATION IGNITER AND FLAME DETECTOR
Theodore Y. Korsgren, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 8, 1945, Serial No. 621,142
5 Claims. (Cl. 158—28)



1. A combination igniter and flame detector comprising, an electric resistance type heating element adapted to be heated to incandescence, a metal envelope enclosing said heating element and slightly spaced therefrom so that said envelope may be heated to ignition temperatures by said heating element, means for connecting electric leads to said heating element, a movable member, a pressure responsive device adapted to move said member upon a change in pressure, passage forming means connecting said pressure responsive device to said envelope so that said envelope said pressure responsive device and the last said means comprise a single gas tight system, and a quantity of inert gas filling said system.

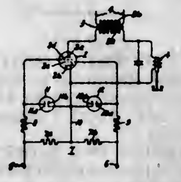
2,482,552
GAS BURNING SPACE HEATER
Theodore Y. Korsgren, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 5, 1945, Serial No. 626,837
4 Claims. (Cl. 126—116)

1. In a gas heating appliance, the combination comprising a fuel gas nozzle, means to supply gas under pressure to said nozzle, a combustion air aspirator associated with said nozzle so that flow of gas from said nozzle aspirates air to form a gas and air mixture, a longitudinally extending member of horseshoe-shaped cross section defining a combustion chamber having a generally elliptical cross section, a tubular gas burner contained longitudinally in said combustion chamber near the closed side of said horseshoe-shaped member and having a plurality of mixture outlet openings therein directed generally toward the open side of said horseshoe-shaped member, conduit means connecting said aspirator to said burner, means forming a plenum chamber enclosing said aspirator, means forming a secondary combustion air flow path from said plenum



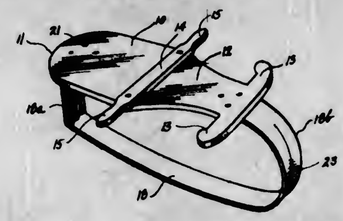
chamber to said combustion chamber, means forming a heat exchanger connected to receive hot products of combustion from said combustion chamber, said heat exchanger having an exhaust connection, and blower means for delivering combustion air to said plenum chamber under pressure whereby a portion of said air under pressure in said plenum chamber flows directly to said combustion chamber while another portion of said air under pressure is aspirated by said aspirator before being delivered to said combustion chamber.

2,482,553
ELECTRONIC RELAY
Edwin R. Mickle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 10, 1946, Serial No. 668,835
4 Claims. (Cl. 315—246)



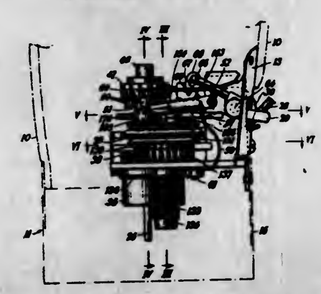
1. An electric valve control system comprising in combination an electric valve containing an ionizable medium and provided with anode, cathode, control grid and shield grid, means for supplying an alternating voltage to said anode and cathode, a pair of input signal voltage conductors, a resistor connected across said conductors, a connection from the approximate middle point of said resistor to said cathode, a second resistor connected between one terminal of said first resistor and said shield grid, and a third resistor substantially equal to said second resistor connected between the other terminal of said first resistor and said control grid.

2,482,554
SLED
Carl Ivar Nelson, Everett, Wash.
Application January 11, 1947, Serial No. 721,583
1 Claim. (Cl. 280—12)



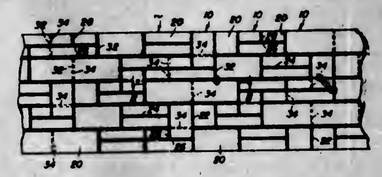
A sled comprising a horizontal top plate, providing a seat portion at the rearward end thereof and having oppositely directed and laterally extended foot rests at its forward end, a cross bar fixed upon the top plate and extending to opposite sides thereof and providing hand hold members at opposite sides and forwardly of the seat portion and a single, centrally located runner extended in the longitudinal vertical plane of said top plate; said runner comprising a flat, resilient strip of metal forming a runner body of the full length of the top plate, terminating at its rear end in a vertical leg that supports the rear end of the top plate thereon and formed at its forward end in a circularly rounded, forwardly directed portion that supports the forward end of the top plate.

2,482,555
ARTIFICIAL LIMB
Joyce Otterman, Blyth, Northumberland, England
Application November 26, 1946, Serial No. 712,307
In Great Britain January 1, 1946
8 Claims. (Cl. 3—12)



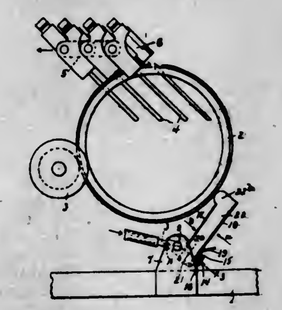
1. An artificial arm, for use in cases of amputation below the elbow, and comprising a bucket to fit the stump, a wrist fitting attached to the bucket and adapted to be detachably coupled to an artificial hand, a rotary driving member within and extending axially of the wrist fitting for imparting rotary movement to the hand when coupled to the wrist fitting, an operating member within the arm which is geared to the driving member and is actuable by a flexion cord to rotate said driving member, a reversing mechanism which is normally operative to cause successive pulls on the flexion cord to rotate said driving member in opposite directions, and manually operable means for disabling said reversing mechanism to permit successive pulls on the flexion cord to rotate said driving member in the same direction.

2,482,556
SIMULATED MASONRY WALL
Frank P. Petras, Masury, Ohio
Application April 14, 1948, Serial No. 20,911
1 Claim. (Cl. 72—36)



In a simulated masonry wall including a plurality of horizontal courses of superimposed blocks of similar length, the blocks being spaced by horizontal and vertical mortar joints, the vertical mortar joints of one course being staggered with respect to the vertical mortar joints of adjacent courses, at least one of said courses having a pair of adjacent blocks with plain faces and each of said courses having at least one block with a vertical groove dividing the block into first and second plain faced sections, each vertical groove representing a wall joint and being in alignment with a vertical mortar joint of an adjacent course, the plain faces and the plain faced sections being of similarly colored cementitious material, a plastic material of a color similar to the cementitious material covering the vertical mortar joint between adjacent blocks with the plain faces and with the plain faces simulating a horizontally elongated block, the first section of a vertically grooved block in one course being vertically aligned with the second section of a vertically grooved block in an adjacent course, and a plastic material, colored similar to the first-mentioned plastic material, covering the horizontal mortar joint between the aligned sections and with the aligned sections simulating a vertically elongated block extending across a horizontal mortar joint.

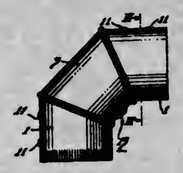
2,482,557
CAPILLARITY CONTROLLED WICK
John D. Rust, Memphis, Tenn.
Application August 20, 1946, Serial No. 691,782
1 Claim. (Cl. 91—48)



A device comprising a tubular support, a fixed plate extending laterally of and secured to said support, a wick placed against said fixed plate, a movable plate placed over said wick and having a flange over one longitudinal edge of said

wick, means for holding said plates and wick in assembled relation, means to admit liquid into said support, said support having means to permit the passage of liquid from said support to said wick, said holding means including studs on said support, said wick and said movable plate having stud-passing holes, a slide rod having stud-passing slots and wedges, grooved wedge-washers on said studs fitted over the wedge portions of said slide rod to cooperate with the same and adjusting nuts on said studs engaging said wedge-washers.

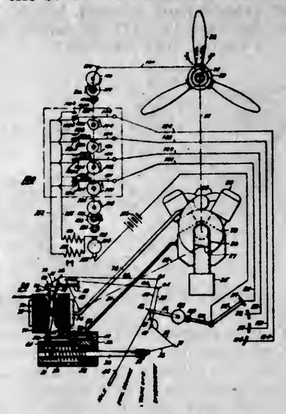
2,482,558
PIPE JOINT
Vito V. Scaringella, Woodlynne, N. J.
Application October 26, 1946, Serial No. 705,973
4 Claims. (Cl. 285—211)



1. A pipe structure comprising a plurality of tubular pipe sections each having relatively long and short diametrically opposed sides, certain of said sections comprising members which are split along their said long sides, said long sides being separably connected in overlapping relation to provide certain of said pipe sections, and at least one other of said sections comprising a member which is split along its said short side, said short side being also separably connected in overlapping relation whereby to provide said one other section, said sections being all separably connected to each other in continuous relation, and said overlapping marginal portions being all separable upon separation of said sections from each other to permit opening of the respective sections for the reception therein of one or more of the other of said sections in nested relation therewith, and clamping means on at least one of said sections operable in a circumferential direction thereon for releasably locking said pipe sections to each other in assembled relation, said clamping means including a pair of elements which are adjustable relative to each other also in said circumferential direction for varying the effectiveness of said clamping means.

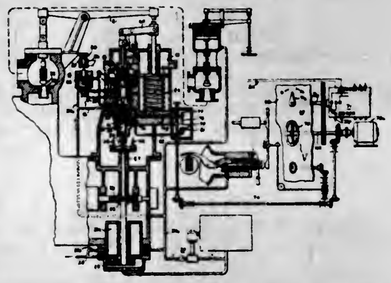
2,482,559
ENGINE CONTROL DEVICE
Paul L. Schneider, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 16, 1942, Serial No. 465,671
8 Claims. (Cl. 170—135.74)

1. Apparatus for coordinating changes in the governed speed of an aircraft engine with changes in the regulated fuel intake pressure comprising the combination with an engine having a throttle valve and a variable pitch propeller driven by the engine and having a governed speed adjusting lever, of an electric servo-motor for shifting the position of the lever, pressure regulating means for shifting the position of the throttle valve for maintaining a selected pressure in the engine intake and including manually controlled means for varying the selection of the pressure to be maintained, and means under the control of the pressure regulating means for controlling the servo-motor to effect a setting of the



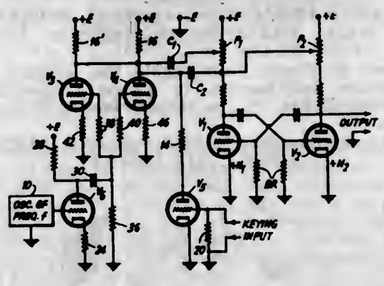
governed speed adjusting lever in predetermined relation to the selected pressure.

2,482,560
GOVERNOR APPARATUS
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1945, Serial No. 618,700
8 Claims. (Cl. 290—17)



1. In a propulsion arrangement wherein an elastic fluid turbine provided with an admission valve drives a generator, a motor drives propelling means, and an electrical connection supplies electrical energy from the generator to the motor: apparatus for controlling the admission valve and the connection of the motor to the generator for induction or synchronous operation in either direction and comprising a governor responsive to speed of the turbine for controlling the admission valve and including speed-changing means; valve position controlling means for controlling the admission valve; a control system operative to connect the motor to the generator for induction or synchronous operation in either direction; and controlling mechanism movable in either direction from a neutral position, through an initial phase, to operate the control system to connect the motor for induction operation followed by shifting the connection of the motor from that for induction operation to that for synchronous operation and to hold the speed-changing means adjusted to operate the admission valve so as to limit the governor-controlled speed to idling speed, through an intermediate phase, with the motor connected for synchronous operation, to adjust the speed-changing means to operate the admission valve to increase the speed to a speed which is a predetermined fraction of full speed and then to shift control of the admission valve from the governor to said valve position controlling means, and through a final phase, to adjust the valve position controlling means to operate the admission valve to increase the speed from said fractional speed to full speed.

2,482,561
VOLTAGE TWO-TONE SOURCE
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 19, 1946, Serial No. 655,440
16 Claims. (Cl. 250—36)



13. In apparatus for generating two tones of different and substantially fixed frequencies which frequencies are sub-harmonically related to the frequency of oscillatory energy of frequency f, a frequency divider including two tubes in an oscillation generating circuit the frequency of operation of which depends on the magnitude of a potential on an electrode of each of said tubes, a source of signals comprising potential keyed between two values, a source of oscillatory energy of frequency f, an amplifier tube having input electrodes coupled to said source of frequency f and having output electrodes coupled to an electrode of one divider tube, a second amplifier tube having input electrodes coupled to said source of frequency f and having output electrodes coupled to an electrode in the other of said divider tubes, whereby said divider is caused to operate at a frequency sub-harmonically related to the frequency f, at least one modulator tube having output electrodes coupled to one of the amplifier tubes, and having input electrodes coupled to said source of signals to change the magnitude of the potential on an electrode of at least one of said divider tubes to entrain said divider to operate at first and second tone frequencies one representing one signal potential value the other the other signal potential value, and an output circuit coupled to said divider.

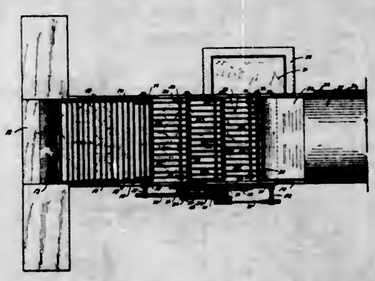
2,482,562
VERTICAL LIFT BRIDGE
Louis H. Shoemaker, Santa Monica, Calif; Security-First National Bank of Los Angeles, executor of said Louis H. Shoemaker, deceased
Application May 22, 1945, Serial No. 595,158
12 Claims. (Cl. 14—42)

1. A vertical lifting span bridge including: an operating tower; an idler tower; a vertical lift span arranged for upward and downward movement between said towers; sheaves mounted on said towers at each side thereof; bearing members for said sheaves, one of said bearing members at each side being in the plane of a side of the tower and near a vertical column thereof; horizontal longitudinally extending tower bracing members reduced in width in a part of their length; additional horizontal internal tower bracing members compensating for the reduced width of said longitudinally extending members; diagonally arranged tower cross bracing members arranged on the exterior of said tower; a counterweight extending across substantially the full width of the tower interior in the space provided by the reduction in width of the longitudinally extending bracing members; cables secured to said counterweight passed over said sheaves and secured to said lifting span; lifting cable means



secured at one end to the idler tower; lowering cable means secured at one end to the idler tower; sheaves mounted on the vertical lift span around which the lifting and lowering cable means are passed; cable winding means located off the lifting span adjacent one end only thereof; sheaves mounted on the operating tower below the level of the sheaves on said lifting span when said span is in lowered position and around which the lowering cables are passed from the lifting span and led to the winding means, said lifting and lowering cables being secured to said winding means so that operation of said winding means acts, according to the direction of rotation thereof, to raise or lower said span.

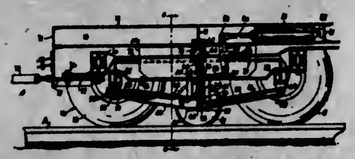
2,482,563
ICING AND GLAZING MACHINE FOR BAKERY PRODUCTS
Allen L. Spong, Denver, Colo.
Application May 28, 1945, Serial No. 596,259
4 Claims. (Cl. 91—2)



1. A machine for icing cakes in an icing pan containing semi-fluid icing, comprising: a first flipper shaft positioned above one side of said pan; a first set of flipper bars extending from said shaft to a substantially horizontal position below the surface of said icing; a second flipper shaft positioned above the opposite side of said pan; a second set of flipper bars extending from said second flipper shaft to a substantially horizontal position over said icing to place the cakes therein above the first flipper bars; means for rotating the second flipper shaft substantially 180° to swing the second set of bars out of the path of the first set of bars; means for subse-

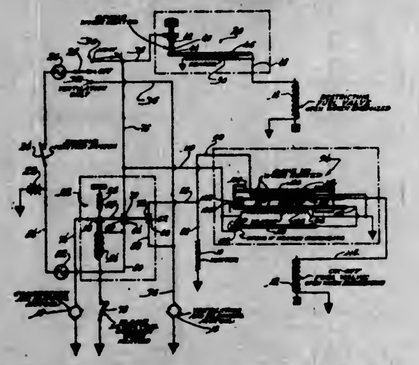
quently rotating the first flipper shaft substantially 180° to lift the cakes from the icing and invert them to one side of said pan; a third flipper shaft positioned parallel to the second flipper shaft; a third set of flipper bars extending from said third shaft to a substantially horizontal position over the second set of flipper bars to place the cakes on the latter in an upright position; and means for swinging said third shaft similarly to and in unison with said first flipper shaft.

2,482,564
GUIDE WHEEL SUSPENSION FOR ROAD-RAIL VEHICLES
Roy C. Townsend, La Crosse, Wis.
Application July 14, 1945, Serial No. 605,120
11 Claims. (Cl. 105—215)



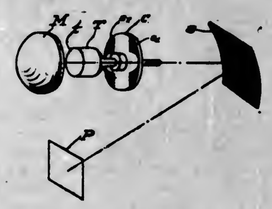
10. In combination with a vehicle having supporting wheels, a pilot wheel axle extending transversely under the vehicle adjacent the wheels and mounted for vertical adjustment with respect to the frame, a suspension spring extending transversely of the frame over the pilot wheel axle and attached intermediate its ends to the frame, a pair of toggle link devices connecting the respective outer ends of the suspension spring to opposite end parts of the pilot wheel axle, and fluid operated mechanism for actuating the toggle link devices.

2,482,565
HEATER CONTROL SYSTEM
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 27, 1947, Serial No. 757,347
5 Claims. (Cl. 126—110)



1. A heater system comprising an electric igniter of the resistance type, a ventilating air blower motor, a combustion air blower motor, an electrically operated on-off fuel valve, a burner, a cold closed thermostatic overheat switch sensitive to burner temperature and a normally open flame detector switch sensitive to the temperature of said burner, said switch being adapted to close when the temperature of said burner rises to a predetermined level; a relay having electrically energized means for shifting said relay from one position to a second position, said circuit including a source of electric potential and connections from said source through said relay electrically energized means and flame detector switch in series, a second circuit from said source to said ventilating air blower motor through said relay when said relay is in the second said position, a third circuit from said source to said combustion air blower motor through said relay when said relay is in said second position, another circuit from said source by way of said relay when said relay is in the first said position to said igniter, and a further circuit from said source through said cold closed thermostatic switch and including said on-off valve.

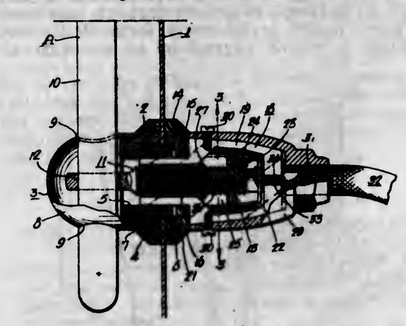
2,482,566
IMAGE-PROJECTION OPTICAL SYSTEM WITH CYLINDRICAL SCREEN AND STOP MEANS
Ernest H. Traub, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,927
5 Claims. (Cl. 178—7.5)



1. In an image-projection system, an image-producing device a spherical mirror arranged to project the image, means including a cylindrical element for reproducing the image, a correcting plate interposed in the path of light projection between said mirror and said element, said element tending to accentuate variations in overall brightness of the image, as viewed from different positions in a viewing plane, caused by diminution of the system's aperture area in the direction of the axis of said element, and stop means associated with said correcting plate and adapted to render the width of the aperture area substantially constant in the direction of the axis of said element, whereby substantially to eliminate said variations.

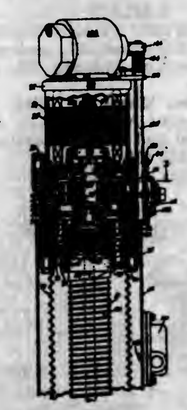
2,482,567
RADIO ANTENNA
Charles A. Trowbridge, Roxborough, Pa., assignor, by mesne assignments, to Ontario Research Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 5, 1946, Serial No. 681,473
4 Claims. (Cl. 174—153)

4. In a mounting for a rod type antenna, a cap to receive said rod, an insulator ring supporting said cap and arranged for positioning against the exterior side of a wall having an aperture therethrough coaxial with the opening through said ring, a second insulator ring for positioning at the interior side of the wall in interengagement with the first mentioned ring, a bolt engaging the antenna rod within said cap and projecting through said insulator rings to a point therebeyond, a housing having a reduced neck arranged to extend through said wall and insulator rings and to receive said bolt coaxially therein, clamping means in said housing having oppositely disposed toothed portions arranged for ratchet engagement with the threads on said bolt at opposite sides thereof to retain the same against withdrawal from the housing, cam surfaces interiorly of said housing cooperable with



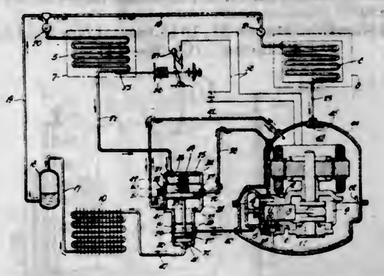
said clamping means to cause the toothed portions of the same to engage the threads on said bolt with pressure that increases according to withdrawal forces exerted on said bolt, a cap enclosing said housing, and a lead-in cable extending inwardly of the outer end of said cap and having its conductor electrically connected to said clamping means.

2,482,568
ACTUATOR CONTROL
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 26, 1945, Serial No. 595,961
8 Claims. (Cl. 74—785)



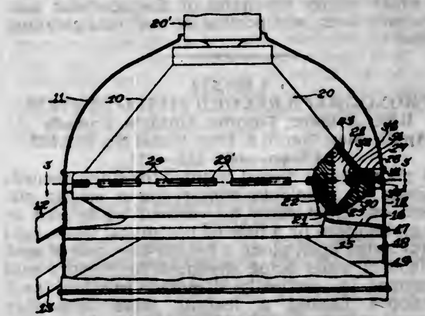
1. An actuator comprising in combination, a reversible electric motor; a member to be rotated thereby; normally inoperative speed reducing gearing interposed between the electric motor and said member; said gearing comprising two separately rotating ring gears, the first ring gear being attached to the member to be rotated, the second ring gear being normally free to rotate and a third gear being operatively connected to the motor and to both of said ring gears; means normally urged to lock the first ring gear and thus said member against rotation, said means being operative to release said first ring gear and member and engage the second ring gear of the speed reducing gearing to render said gearing operative to transmit the rotation of the electric motor to said member; and an electromagnet connected to the locking means and operative, when energized, for actuating said locking means.

2,482,569
TWO-TEMPERATURE REFRIGERATING SYSTEM
Elmer W. Zearfoss, Jr., Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 28, 1945, Serial No. 580,198
12 Claims. (Cl. 62—115)



2. In two temperature refrigeration employing two evaporators operated at different individual pressures from a common compression-condenser system, the method which comprises connecting the evaporators individually and alternately with the suction side of said compressor, diverting the liquid refrigerant discharge of the compressor from the condenser to a pressure accumulator when one of said evaporators is connected to the suction side of the compressor, directing the refrigerant discharge of the compressor to the condenser when the other of said evaporators is connected to the suction side of the compressor and simultaneously connecting the accumulator chamber to the suction side of the compressor to obtain a resultant second stage compression of the refrigerant.

2,482,570
SEALING RING FOR CENTRIFUGAL DEVICES
Russel D. Acton, Chicago, Ill.
Application April 23, 1947, Serial No. 743,344
6 Claims. (Cl. 137—140)



1. A centrifugal sealing ring structure comprising an annular metal ring adapted to be supported adjacent to and inwardly from an

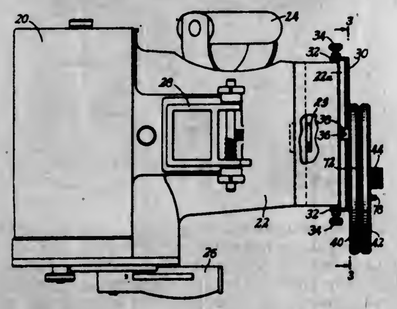
annular outlet, means connected to said ring for rigidly supporting the same in a fixed position with respect to the outlet, and a resilient expansible member carried by said ring, said expansible member being substantially co-extensive with the annular outlet and constructed and arranged to move radially outwardly from the rigid ring in response to centrifugal force during rotation of the sealing ring thereby engaging and sealing the outlet.

2,482,571

CAMERA FOCUSING STRUCTURE HAVING PIVOTED SUPPLEMENTARY LENS

George J. Arnold, Jackson Heights, N. Y., assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware

Application March 31, 1945, Serial No. 585,883
4 Claims. (Cl. 95—44)



1. In camera construction, in combination, a camera having a body, a supporting grip on said body, an operating handle on one side of said body, a lens system mounted in said body, a supplementary lens carrying element rotatably mounted on a pivot eccentrically located with respect to the axis of said lens system, and a lens in said lens carrying element adapted to be rotatably swung about said pivot into alignment with the axis of said lens system; said pivot being located on that side of the axis of said lens system which is nearer said operating handle, said lens carrying element including a portion extending beyond the edge of the camera body so as to be visible and accessible from behind the camera when the camera is held in shooting position, and said operating handle being movable through an operating stroke at least a portion of which brings the hand of the operator into proximity with said portion of said lens carrying element.

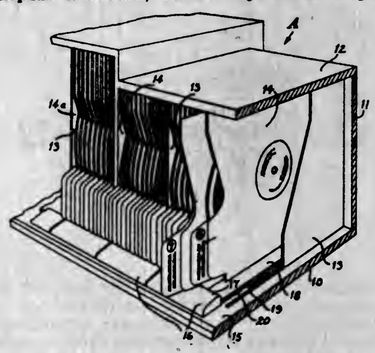
2,482,572

PHONOGRAPH RECORD FILING SYSTEM

Rifat Avigdor, Toronto, Ontario, Canada

Application March 6, 1946, Serial No. 652,422
1 Claim. (Cl. 312—12)

A phonograph record cabinet for filing records enclosed in envelopes comprising a casing enclosed on three sides by vertical walls and at top and bottom by a pair of horizontal walls, said casing being open along a fourth side, one of said horizontal walls being designed to support said envelopes in vertically disposed relation, said envelopes having a leading edge accessible through said open side of the cabinet, stop means in advance of said open side projecting from the horizontal plane of said horizontal walls and disposed in the path of the leading edge of the envelopes contained in the casing, said horizontal walls being spaced apart slightly more than the width of an envelope to confine the normal path of movement of said envelopes solely to a transverse movement towards and away from said open side of said casing, said stop means limiting the transverse movement of said envelopes through said open side to cause a portion of an envelope to project through said open side when pulled transversely forward, thereby to dispose a record, carried by an envelope, in



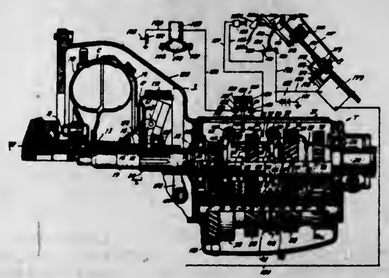
readily accessible position for withdrawal, said projecting portion of said envelope being designed to overlie said stop means when the leading edge of said envelope is in engagement therewith, to denote the specific location, in the cabinet, of said record to facilitate the return of said record to the envelope and its return to the cabinet, the said stop means being spring mounted and displaceable out of the path of said envelopes and records so that the latter may be bodily withdrawn and introduced to said cabinet.

2,482,573

CHANGE-SPEED TRANSMISSION

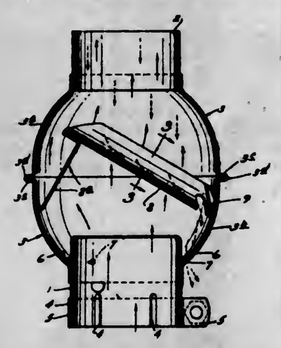
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware

Original application March 17, 1941, Serial No. 383,775, now Patent No. 2,353,137, dated July 11, 1944. Divided and this application April 14, 1944, Serial No. 531,132
3 Claims. (Cl. 74—355)



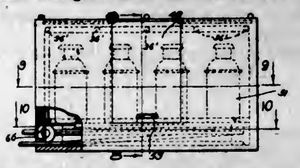
1. In apparatus for drivingly connecting an engine with a load, the combination of a change-speed transmission comprising forward and reverse drive power trains individually establishable in driving relation between the engine and load, said reverse train including meshable force transmitting means effective to demobilize such train when demeshed, one-way-drive means in said reverse train and including drive and driven

of greater diameter than said passages, the inlet passage being in the bottom of the casing and the outlet passage being in the top of the casing, and a rigid inclined moisture intercepting baffle obliquely intersecting the axis of the casing and aligned inlet and outlet passages and anchored fast to the side of the casing at its lower end, the upper end and sides of the intercepting baffle being generally spaced from the casing to permit free upward flow of exhaust gases between the inlet and outlet passages, said baffle defining an



upwardly opening channel in transverse cross-section and being provided adjacent its lower end and in radially outwardly spaced relation from the inlet and outlet passages with a discharge port, said inlet being defined by an upstanding sleeve-like portion projecting above the bottom of the chamber to provide radially outwardly thereof and below the discharge port of the baffle an annular outlet, means connected to said ring for rigidly supporting the same in a fixed position with respect to the outlet, and a resilient expansible member carried by said ring, said expansible member being substantially co-extensive with the annular outlet and constructed and arranged to move radially outwardly from the rigid ring in response to centrifugal force during rotation of the sealing ring thereby engaging and sealing the outlet.

side edges and a lower edge, said opening means being located in one of said casing sides, can supporting means for supporting a plurality of milk cans in upright position whereby said cans may be inserted and withdrawn from said can supporting means through said doors means, said can supporting means being substantially parallel to said opening means lower edge, and said can supporting means being located above said bottom to provide a water cooling and ice forming chamber between said bottom and said can supporting means, the distance from said can supporting means to the underside of said top being sufficient for supporting milk cans with their covers in position thereon in upright position, a cooling plant, a cooling coil located in said water cooling and ice forming chamber whereby a cooling fluid may be circulated through said cooling coil from said cooling plant and return thereto, a spray system comprising a pump, an inlet extending from said pump into said water cooling and ice forming chamber, conduit means extending from said pump to adjacent the inner back wall of said casing and along both of the inner side walls and



closely adjacent thereto, a plurality of spray means in said conduit means whereby said milk cans may be simultaneously sprayed by water after it has been cooled in said water cooling and ice forming chamber and conveyed to said conduit means, and said conduit means including a back

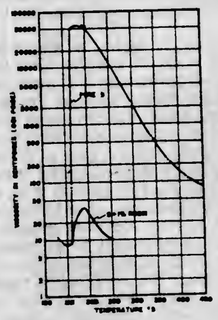
parts of which rotative force is transmitted from the drive to the driven part pursuant to the operation of such train, and means operatively connectible with the drive part of said one-way-drive means for rotating the same relatively to said driven part in the direction opposite to that required to transmit driving force to said driven part, to insure relaxation of said drive and driven parts and consequent relaxation of said reverse train, and said meshable force transmitting means including relatively rotatable components respectively connected with the load and with the driven part of the one-way-drive means and reactable against one another to cause overrun of the relaxed one-way-drive means pursuant to alignment of said components preparatory to the meshing of said meshable means.

2,482,574

REDUCTION OF VISCOSITY OF MOLTEN SULFUR BY MEANS OF RESIN ACIDS

Alexander Bogrow, Brighton, and Alfred R. Johnson, Stoneham, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

Application January 22, 1949, Serial No. 72,194
4 Claims. (Cl. 23—224)



1. The process of reducing the viscosity of sulfur in the temperature range of 158° C. to 444° C., which consists in forming a sulfur mixture by adding to said sulfur, resin acids in an amount of from 0.1 to 5% of the weight of the sulfur, and heating the sulfur mixture to a temperature between about 158° C. and 444° C., said sulfur mixture having a viscosity of less than 500 centipoises at all temperatures when molten.

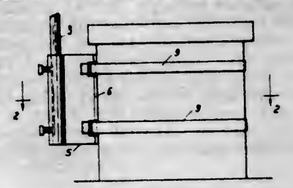
2,482,575

AERIAL MOUNTING

Max Cohn, South River, N. J., assignor to South River Metal Products Company Inc., South River County, N. J.

Original application December 11, 1947, Serial No. 791,015. Divided and this application June 17, 1949, Serial No. 99,649
4 Claims. (Cl. 248—43)

1. An aerial mounting comprising an inflexible corner piece to fit the vertical corner of a chimney, at least one flexible tape adapted to extend around the chimney lying flat thereagainst and tensionably linked to said corner piece; linking means including an eye bolt mounted on said corner piece for gradual adjustment, a loop of the tape passing through the ear bolt, and registering indentations in said tape and clamping



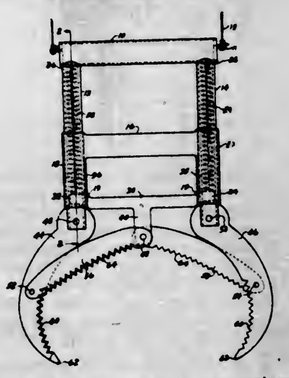
means cooperating therewith for stepwise adjustment of the loop.

2,482,576

GRIPPING MEANS FOR LANDING FISH

Herbert G. Comstock, Minneapolis, Minn.

Application December 16, 1946, Serial No. 716,583
1 Claim. (Cl. 43—5)



An angler's tongs which comprises, a first handle member, a pair of tubular arms extending from said first handle member, a pair of springs located within the tubular portions of said arms, a second handle member tubularly supported about said arms, a T-shaped member carried by said second handle member and having its horizontal extremities extending through apertures in said arms into abutting relationship with said springs, a pair of incising tongs pivotally mounted adjacent the outer extremities of said arms and held in spaced relation to each other by said springs, and a pair of links pivotally mounted at one end to said T-shaped member and at their opposite ends to said tongs for moving said tongs in overlapping relationship with each other the adjacent surfaces of said links having cooperating serrated surfaces and forming an incising surface extending from said T-shaped member which is operative to grasp the body of a fish and paralyze its muscular actions when the second handle is moved in the direction of the first handle.

2,482,577

RAIN TRAP FOR VENTILATING EXHAUST STACKS

Richard E. Dahlstrom, St. Paul, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Delaware

Application July 8, 1946, Serial No. 682,099
1 Claim. (Cl. 98—60)

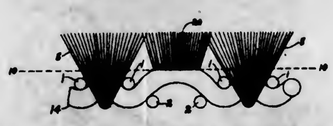
A rain trap for vertical exhaust stacks comprising a casing having vertically spaced coaxial inlet and outlet passages and defining a chamber

2,482,581

COMPOSITE PILE AND NAP FACE FABRIC AND METHOD OF MAKING SAME

Edmund K. Flynn, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine

Application December 9, 1947, Serial No. 790,627
10 Claims. (Cl. 26—29)



1. A novel fabric having a composite pile and nap face consisting of a ground of interlaced warp and filling yarns, spaced cut pile tufts interwoven with the ground and projecting from the face thereof, and with portions of the face of the ground in the spaces between the pile tufts forming a nap in the said spaces.

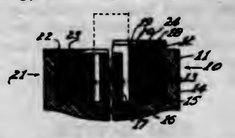
2,482,582

PORTABLE TOOL

William H. Grafe, Chicago, Ill., assignor to Skilsaw, Inc., Chicago, Ill., a corporation of Delaware

Application December 29, 1945, Serial No. 637,814
6 Claims. (Cl. 30—241)

wall and the flange exerting pressure on the resilient packing, whereby the packing grips and



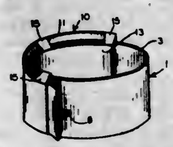
forms a seal when the crown is applied to the tube of a watch case.

2,482,584

BRACELET

Sidney R. Harris and Gregory Ashman, New York, N. Y.

Application October 1, 1945, Serial No. 619,524
19 Claims. (Cl. 63—1)

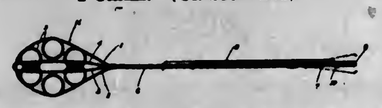


1. A bracelet comprising a part for extending about the arm, a part supported by said first part, said parts being arranged for movement slidably with respect to each other in a direction lengthwise of said first part, and means cooperating with at least one of said parts to attach a handkerchief to the bracelet and actuated when one of said parts is slidably moved relative to the other.

2,482,585

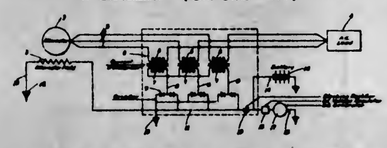
consisting of alkyl and alkenyl substituted succinic and succinamic acids, anhydrides, and acid esters thereof, such condensation product being present in an amount sufficient to substantially increase the adhesivity of the bitumen for mineral aggregates.

2,482,587
EGG BEATER
Dewey C. Hughes, Murphy, N. C., assignor of two-thirds to Homer Yeager, Stockton, Calif.
Application January 26, 1946, Serial No. 643,700
1 Claim. (Cl. 259—144)



An egg beater comprising a single wire bent back upon itself at a point intermediate its ends and formed into a series of substantially circular convolutions at a point adjacent to and at each side of the bent end thereof, the bent ends of the wire and all of the convolutions lying in a substantially common plane, the free ends of the wire beyond said convolutions being twisted together to form a handle, a second wire bent back upon itself, the bent end of the second wire crossing over the bent end of the first wire, the ends of the second wire beyond its bent end being threaded through at least a portion of the convolutions on each side of the bent end of the first wire and such portions of the second wire also lying in substantially the same plane as the bent portions of the first wire and said convolutions, and the free ends of the second wire being twisted with the free ends of the first wire forming the handle.

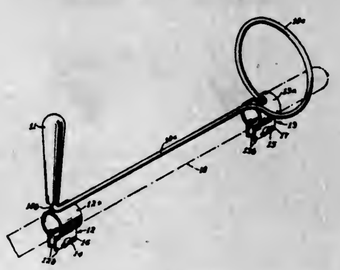
2,482,588
VOLTAGE REGULATOR
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 11, 1947, Serial No. 727,805
4 Claims. (Cl. 322—27)



1. A voltage regulating system for an A. C. generator having a field, the output of the A. C. generator being coupled to a load circuit; said system comprising means to induce an A. C. potential from the load circuit in direct proportion to the load, means to rectify said A. C. potential to a D. C. exciter current, and circuit means to feed such exciter current directly to the field of the A. C. generator; there being an independent source of initial D. C. exciter current, separate from said load circuit, connected to said circuit means, and a blocking rectifier between said independent source of initial exciter current and said circuit means.

2,482,589
IMPLEMENT HOLDER
William T. Maguire, Larchmont, N. Y.
Application July 18, 1946, Serial No. 684,591
3 Claims. (Cl. 294—58)

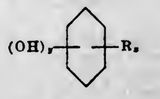
1. In a device of the nature described, in combination, a body member, handle means connected to said body member adjacent one end thereof, ring shaped means connected to said body member adjacent the other end thereof, said ring shaped means being adapted to fit around the forearm of the user, and a pair of clamps connected to said body member, said clamps being



spaced from each other a substantial distance and being positioned on the opposite side of said body member from said handle means and said ring shaped means, said clamps being operable to detachably connect an implement to said body member.

2,482,590
REDUCTION OF VISCOSITY OF MOLTEN SULFUR BY MEANS OF PHENOLIC COMPOUNDS
Leroy F. Marek, Lexington, and Alexander Bogrow, Brighton, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application December 31, 1946, Serial No. 719,630
10 Claims. (Cl. 23—224)

4. A composition of matter having as its major ingredients sulfur and a hydroxy compound, said hydroxy compound being present in an amount not greater than 5% by weight on the weight of sulfur and having the formula

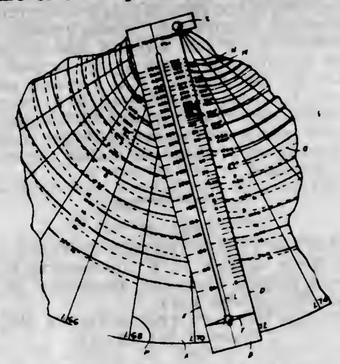


where R is selected from the group consisting of alkyl and cycloalkyl, x is selected from the numbers 0, 1 and 2, y is selected from the numbers 1 to 3 and when x is 0, y is selected from the numbers 2 and 3, said composition being characterized by having a maximum viscosity of less than 500 centipoises when molten.

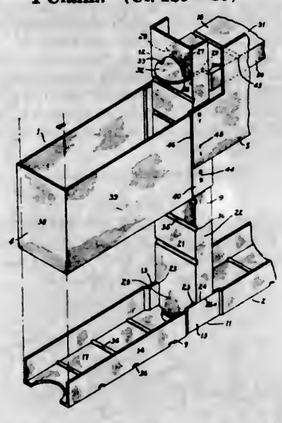
2,482,591
MEANS FOR DETERMINING THERMODYNAMIC PROPERTIES OF FLUIDS
Arthur Meyerhoff, Brooklyn, N. Y.
Application September 7, 1946, Serial No. 695,482
5 Claims. (Cl. 235—67)

1. In a mechanical calculating device, the combination of a first member having at least one set of spirally arranged constant property lines for a vaporizable substance said set of spirally arranged constant property lines comprising a plurality of distinct constant property lines each having an angular extent of no more than 360°, with a second member pivotally mounted near the center of the spirally arranged lines, said

second member containing a scale to indicate the pressure of the vaporizable substance to correspond with the value of the adjacent property line.



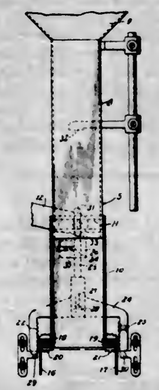
2,482,592
METAL DOOR CONSTRUCTION
Karl H. Miller, North Canton, and Ronald R. Magaw, Canton, Ohio, assignors to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application September 16, 1944, Serial No. 554,441
1 Claim. (Cl. 189—46)



Sheet metal door construction including an inner, integral, rigid frame formed of horizontal and vertical channel members with rigid joints therebetween, the webs of the channel members being formed with grooves projecting inward of the channels to provide welding projections at the ends of the grooves in the outer faces of the channel flanges substantially in the plane of the channel webs, channel shaped stiles, central panel members extending between the stiles, and the stiles and panels being welded to the flanges of the inner frame channel members by said welding projections.

2,482,593
ICE-CREAM PACKAGE FILLING MECHANISM
Frank D. Palmer, Chicago, Ill., assignor to F. D. Palmer, Inc., Chicago, Ill., a corporation of Illinois
Application September 25, 1944, Serial No. 555,642
1 Claim. (Cl. 226—19)

In filling mechanism of the class described, the combination of a nozzle tube, a sleeve slidably mounted on said tube and extending beyond an end thereof, valve means adjustable from closed position to open position on the extended end of said sleeve, means effecting reciprocation of said sleeve to alternately project and retract said sleeve relative to said tube, means for opening said valve means at the end



of the projecting stroke of said sleeve, means for closing said valve means at the end of the retracting stroke of said sleeve; and means for maintaining said valve means open during substantially all of the retractive movement of said sleeve, and closed during substantially all of the projecting movement thereof.

2,482,594
METHOD OF PREPARING PHENOLIC MATERIALS FROM LIGNIN
Irwin A. Pearl and Louis E. Wise, Appleton, Wis., assignors, by mesne assignments, to The Institute of Paper Chemistry, a corporation of Wisconsin
No Drawing. Application April 1, 1946, Serial No. 658,878
4 Claims. (Cl. 260—690)

1. The method of preparing phenolic materials which comprises reacting a lignin substance with sodium chlorite in a hot, weakly acid, aqueous reaction mixture until the lignin goes into solution, acidifying the lignin solution to a pH of about 2, extracting the acidified mixture with a water-immiscible solvent and recovering the phenolic materials from the extract.

2,482,595
RADIATOR CONSTRUCTION
Leroy H. Plum, Haddon Heights, N. J., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 29, 1945, Serial No. 638,089
3 Claims. (Cl. 257—262.16)



1. A radiating fin construction comprising a plate-like radiating portion adapted to be positioned in a plane extending transversely of a conduit for containing heat exchanging fluid, said portion being formed with an aperture for

6. The combination with a hand held portable power driven tool of the type described having a supporting member with a stationary die member mounted therein, and a movable cutting blade operatively cooperating with said die to cut a strip of material from a work piece and in which said material tends to curl out of the plane of said material from the cutting action, of deflecting means mounted on said supporting member below said die member and extending into the normal path of the curling strip of material to partially restrict the amount of curl of said strip in the same general direction.

2,482,583
WATERPROOF WATCH CROWN
Charles B. Greenberg, New York, N. Y., assignor to Algren Watch Findings Co., Inc., New York, N. Y.
Application March 17, 1949, Serial No. 81,858
5 Claims. (Cl. 58—90)

1. In a watch crown suitable for use with a tube type watch case, a crown frame having a crown well, a resilient annular packing resting in said well and a tube having an inwardly extending flange, the tube substantially positioned in the well and gripping the major portion of its

COMBINATION BICYCLE AND BABY CARRIAGE
Gerhard G. Hauptman, New York, N. Y.
Application January 15, 1946, Serial No. 641,239
3 Claims. (Cl. 280—202)



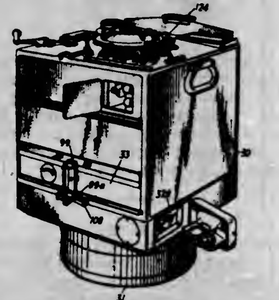
1. The combination with a baby carriage, of an adaptor coupling attached to part of the carriage frame adjacent one pair of wheels of the carriage frame, means at one end of said coupling forming a universal mounting on the carriage frame, a drive wheel and seat section having a coupling socket, and the other end of said adaptor coupling and the coupling socket having interengaging means keying and retaining the adaptor coupling with said drive wheel and seat section.

2,482,586
MINERAL AGGREGATE BONDING COMPOSITIONS
Arthur B. Hersberger, Drexel Hill, and Frank J. Gozlow, Philadelphia, Pa., assignors to The Atlantic Refining Co., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application February 6, 1947, Serial No. 726,962
9 Claims. (Cl. 106—273)

1. A mineral aggregate bonding composition comprising a bitumen and a condensation product of a diamine with a compound from the group

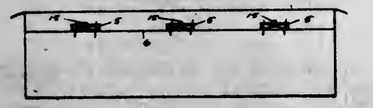
receiving the conduit passing therethrough, a flange for embracing the conduit and adapted to space the fin with respect to the next fin on the conduit, said flange protruding to one side of said plate-like portion and being integrally formed therewith as a substantially cylindrical area of metal surrounding the region of said aperture, the metal being somewhat rounded in cross-section at the juncture of said flange and plate-like portion, and stop means for preventing the flange on an adjacent fin from tending to enter the space under such rounded portion, said stop means comprising a plurality of detents extending at spaced points around the aperture into such space from, and being integral with, the metal at said rounded portion, all the parts constituting flexible thin sheet metal.

2,482,596
CAMERA HAVING DETACHABLE MAGAZINE
George Rattray, Mineola, and Irving W. Doyle, Massapequa, N. Y., assignors to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application December 28, 1943, Serial No. 515,968
21 Claims. (Cl. 95—31)



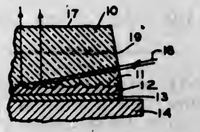
1. In camera construction, in combination, a body, a film magazine detachably mounted in said body, a film supply spool rotatably mounted in said magazine, a movable pressure plate in said magazine operable to force the film into the focal plane of the camera at the time of exposure, driving mechanism supported on said body and having a separable connection with said magazine, spring means in said magazine for forcing said pressure plate into the focal plane, means operated by said driving mechanism for forcing said pressure plate out of the focal plane against the pressure of said spring, and means connected to said spool and to said driving mechanism and operated by the driving mechanism for turning said spool thereby to provide film slack when the pressure plate is forced into the focal plane.

2,482,597
AXIAL FLOW FAN
Irving S. Ritter, Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application November 26, 1946, Serial No. 712,271
1 Claim. (Cl. 230—115)



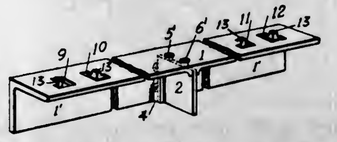
A pressure ventilation system having a plurality of fans for directing air forwardly in parallel streams and building up an air pressure in the space supplied with air, in which due to a change in load on one of the fans, it may become unstable and move air rearwardly, means responsive to the direction of air flow through said one of said fans for maintaining same at its normal speed when the air flow through it is forward, and for increasing its speed when the air flow through it is rearward, and timing means for causing said first mentioned means to maintain the increased speed for a predetermined time after the air flow is again forward.

2,482,598
REFLECTING SURFACE REPLICA
Paul A. Roos, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 22, 1946, Serial No. 656,481
3 Claims. (Cl. 88—1)



1. A surface replica used as a comparison standard in a surface comparison microscope comprising a block of transparent plastic material having a replica surface thereon, a coating of light-reflecting material deposited on said replica surface, an optical surface on said block opposite to the replica surface for viewing said replica surface through said block, and a second optical surface on said block angularly disposed to the first optical surface through which the replica surface may be illuminated by light rays at grazing incidence.

2,482,599
CROSSTIE AND CLEAT THEREFOR
Albert Rosenberg of Michael, Baltimore, Md.
Application October 28, 1947, Serial No. 782,531
1 Claim. (Cl. 238—54)

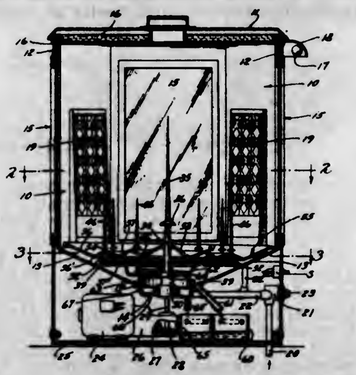


In combination, a railway tie comprising a rail seating portion and a securing portion adjacent thereto, an L-shaped opening in said securing portion with a transverse leg of said opening adjoining said seating portion and a longitudinal leg extending perpendicularly to said seating portion, an upwardly bent lug integral with said securing portion along the outer side of said transverse leg and extending from said longitudinal leg for a portion only of the length of said transverse leg, an integral clamp member of slightly less width than the width of said longitudinal leg comprising a base portion of slightly less length than said longitudinal leg, a neck portion of slightly less length than the width of said transverse leg and a head portion extending upwardly and laterally of said neck portion, said base, neck and head portions being arranged so that said base portion may be inserted downwardly through said longitudinal leg and then moved longitudinally until said base and head portions clamp a rail on said seating portion and said clamp may then be moved transversely with the neck portion in said transverse leg beyond said lug whereby said lug may be bent down into said opening to lock said clamp in position.

2,482,600
HEAT-RESISTANT COMPOSITION
Donald V. Sarbach, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 21, 1947, Serial No. 756,340
6 Claims. (Cl. 18—45)

4. A vulcanized composition resistant to heat deterioration comprising rubbery material covulcanized with 1–10% of sulfur based on the weight of rubbery material, said rubbery material consisting of 50–90% by weight of natural rubber and 10–50% by weight of a mixture consisting of 25–75% by weight of rubbery polychloroprene with the remainder of said mixture being a rubbery copolymer of a butadiene-1,3 hydrocarbon and acrylonitrile.

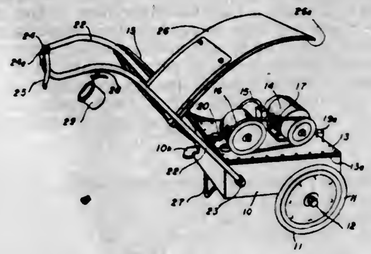
2,482,601
COOKING MACHINE
Michael P. Spartalis, St. Paul, Minn., assignor of two-fifths to Athena M. Spartalis, St. Paul, two-fifths to Constantine M. Rallis, Minneapolis, and one-fifth to Nick Chiomes, St. Paul, Minn.
Application July 4, 1945, Serial No. 603,173
17 Claims. (Cl. 99—421)



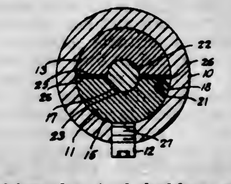
1. In a device of the class described, a casing providing a cooking chamber, heating means for the cooking chamber, the bottom of said cooking chamber being formed to provide concentrically disposed inner and outer dished juice-collecting portions, an inner food holder concentrically disposed in the cooking chamber above the said inner collecting portion, and an annular food holder and conveyor concentrically disposed in the cooking chamber above said outer collecting portion and about said inner food holder.

2,482,602
PORTABLE MILKER
Arnold I. Terpening, Highland, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application April 10, 1947, Serial No. 740,620
5 Claims. (Cl. 230—33)

1. In a portable milker having a movable base and a vacuum pump mounted on the base, the pump having an inlet and an outlet, the combination of a hollow handle connected to the base for use in moving the same from one location to another, a duct leading from the handle to the pump inlet and through which said inlet communicates with the interior of the handle, and a hollow connecting device mounted on a part of the handle remote from the duct and communicating with the interior of the handle, said device being adapted for connection with a milker unit.



2,482,603
BUSHING FOR TOOLHOLDERS
Barnabas P. Toth, Bridgeport, Conn., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn., a partnership
Application April 20, 1945, Serial No. 589,319
6 Claims. (Cl. 279—45)

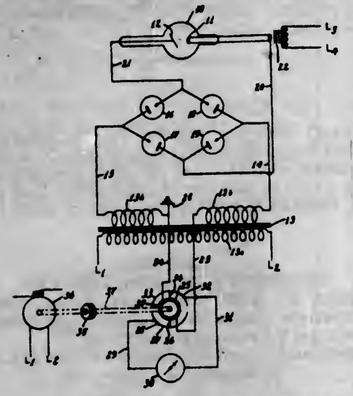


1. A bushing for tool holders comprising a cylindrical body adapted to be clamped in a tool holder and provided with a recess spaced inwardly from the opposite ends and opening through a side thereof, a clamping shoe comprising a block in the recess of substantially the same length as the recess and an outer contour forming a substantial continuation of the contour of the body, longitudinally extending pivotal means mounting the shoe in the recess so that it may swing laterally, and a longitudinal opening formed partly in the body and partly in the shoe and of substantially the shape and size of the shank of the tool to be held when the shoe is spaced a short distance from the bottom of the recess, said shoe when the bushing is in a holder adapted to be clamped against the tool shank by the clamping means of the holder.

2,482,604
METERING CIRCUIT FOR X-RAY MACHINES
Louis L. Weisglass, New York, N. Y., assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 22, 1946, Serial No. 656,211
1 Claim. (Cl. 250—101)

In the combination of an X-ray tube having an anode and a cathode, a transformer having a primary adapted to be connected with a source of alternating electric current, tube rectifiers, said transformer having a secondary connected with

said rectifiers, said rectifiers having a Wheatstone bridge connection with said anode and cathode to supply rectified current thereto, said secondary being split to provide a central secondary circuit, said circuit being grounded; the improvement consisting of a milliammeter in said central secondary circuit, a half wave rectifier of the polarized vibratory type in said central secondary circuit in series with said milliammeter, said vibratory rectifiers having a pair of contacts, a shunt resistor in said central secondary circuit bypassing said contacts and said milliammeter, an electrical energizing circuit for said vibratory rec-



tifier, phase shift means in said energizing circuit for said vibratory rectifier synchronizing the closing cycle of its contacts relative to the phase of the X-ray tube load so that said contacts close said central secondary circuit during one exact half cycle through said milliammeter and so that said contacts are open during the other half cycle, whereby current in said central secondary circuit then bypasses said contacts and said milliammeter through said shunt resistor, whereby one-half of the true X-ray tube current is registered by said milliammeter and the capacity component of the current in said central secondary circuit is balanced out.

2,482,605
PAN SCOURING IMPLEMENT
Ernest W. Worley, Kansas City, Kans.
Application May 5, 1948, Serial No. 25,165
1 Claim. (Cl. 15—209)



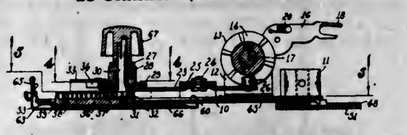
A scouring implement of the kind described comprising a tubular body; a mass of interentangled metal shavings in said body and extending beyond one end thereof; a plurality of inturned spurs formed in said body adjacent said one end thereof and extending into said shavings for holding the latter against displacement from the body; a reciprocable member in the body for forcing said shavings outwardly from the body; and an out-turned flange on said member adjacent the shavings and slidably bearing against the inner-most face of the body to present a liquid seal, the end of the member adjacent the shavings being smaller than the distance between the spurs whereby substantially all of said shavings may be forced from the body by the member.

2,482,606
POLYALLYL NAPHTHENATE
David E. Adelson and Hans Dannenberg, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 13, 1947, Serial No. 779,650
12 Claims. (Cl. 260—468)

1. A process for the production of polymer of a naphthenic acid ester of a beta,gamma-monoolefinic monohydric alcohol which comprises heating said ester in liquid phase at a temperature of 100° C. to 300° C. in the presence of a polymerization catalyst containing an oxygen atom linked directly to another oxygen atom.

7. Homopolymer of a naphthenic acid ester of a beta,gamma-monoolefinic monohydric alcohol, said polymer having a degree of polymerization of about 4 to 20.

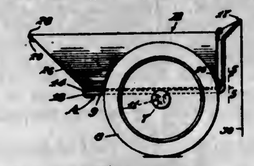
2,482,607
BUTTONHOLE ATTACHMENT FOR SEWING MACHINES
Nils T. Almquist, New Britain, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application April 12, 1946, Serial No. 661,555
18 Claims. (Cl. 112—77)



4. A buttonhole attachment for sewing machines, comprising a supporting plate, a lever pivotally mounted thereon, means for oscillating said lever in a substantially horizontal plane, a feed blade, means connecting said blade to the plate for oscillatory and sliding movement, cooperating means carried by said lever and feed blade for actuating the latter in both oscillatory and sliding movements by the oscillatory movement of the lever, said last-named means comprising a pinion carried by said lever, and means for effecting rotation of said pinion by the oscillatory movement of the lever.

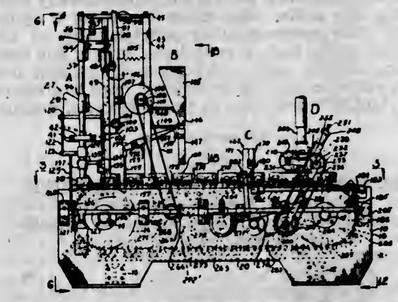
2,482,608
DUMPCART
Stewart C. Bedell, Big Pine, Calif., assignor of one-half to Antonia Rea, Mount Montgomery, Nev.
Application January 24, 1945, Serial No. 574,357
4 Claims. (Cl. 298—5)

1. In a dump cart, a dump body having an outwardly extending inclined forward end wall, a chassis pivotally supported intermediate its ends in spaced relation to the ground, said chassis having its forward end portion extending from its pivotal support a distance greater than the distance between the pivotal support and the ground whereby the chassis may be positioned with its forward end in engagement with the ground, a pivotal connection between the forward end of said chassis and said dump body contiguous the base of the inclined end thereof on which said dump body may swing relative to



said chassis to and from a position wherein said end wall overlies the ground in a flatwise manner, and handle means on the other end of said chassis.

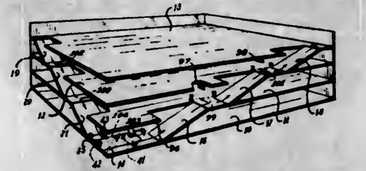
2,482,609
VACUUM SEALING MACHINE
Samuel H. Berch, Los Angeles, Calif., assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif., a corporation of Nevada
Original application June 9, 1942, Serial No. 450,297. Divided and this application May 15, 1947, Serial No. 748,204
2 Claims. (Cl. 93—6)



1. A machine for forming and sealing a package formed from a flat sheet of material having a continuous fluid-tight and fusible inner envelope, the walls of which envelope at the top are free from seams and folds between the ends thereof; which comprises a member formed with a cavity of the shape to be assumed by the final package and within which said envelope is placed, means inserted into said envelope to spread the envelope to conform to the cavity and to permit the bag to be filled when said forming means is removed, means moving into the open mouth of the envelope to engage the end walls of the envelope at the top and intermediate the width thereof to separate the end walls until the opposite perimeter lengths of said walls are drawn substantially together, and a set crease is made in the opposite end walls at the points of engagement therewith, means for applying suction to said package to withdraw the atmosphere therefrom, and means to engage the opposite perimeter lengths of said walls at the mouth thereof and to apply heat and pressure while sealing the package.

2,482,610
AUTOMATIC TRAFFIC DIRECTING DEVICE FOR GARAGES
Philip H. Burn, Forest Hills, N. Y.
Application November 14, 1946, Serial No. 709,769
11 Claims. (Cl. 177—311)

1. In a garage system of the character indicated, first counting means for counting vehicles entering a given area, second counting means for counting vehicles leaving said area, differential means for resolving the difference between operations of both said counting means, and indicator means responsive to said differential means, said indicator means including means directing traffic



into said area for differential operations less than substantially a given number and means directing traffic away from said area for differential operations greater than substantially said given number.

2,482,611
CENTER DRAWER HOUSING FOR PEDESTAL TYPE DESKS
Herbert W. Deutemeier, Cincinnati, Ohio, assignor to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio
Application February 18, 1947, Serial No. 729,362
8 Claims. (Cl. 45—93)

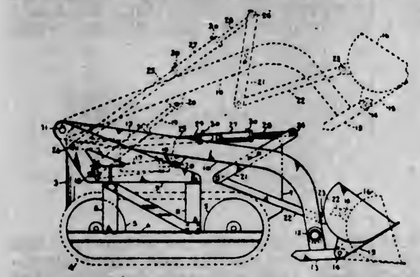


1. A center drawer housing for a pedestal type desk, comprising a drawer guide and a hanger therefor, said hanger comprising a metallic strip having at least two hook members along its upper edge by means of which it may be hung over the top edge of a pedestal wall, and said drawer guide being permanently secured to said hanger, said hanger being of a width to space said drawer guide, below the top edge of said pedestal wall to provide clearance for a drawer mounted therein, the portion of said hanger above said drawer guide being disposed at a slight angle to that portion to which said drawer guide is secured, whereby the central portion longitudinally of said strip tends to lie away from the pedestal wall to which it is removably secured, and means for urging said strip against said pedestal wall.

2,482,612
SHOVEL LOADER
Edward A. Drott and Edward R. Drott, Milwaukee, Wis.
Application February 19, 1947, Serial No. 729,460
3 Claims. (Cl. 214—140)

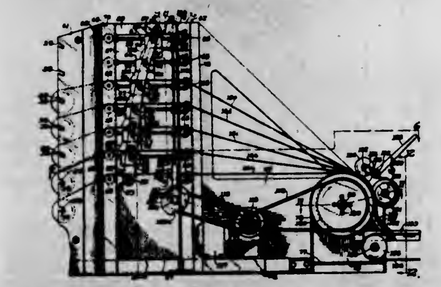
1. In a loader for use in a tractor vehicle, the combination of supporting means pivotally mounted on said vehicle, a digging bucket pivotally carried at the outer ends of said supporting means, means for raising and lowering said supporting means, means for tilting said bucket relative to said supporting means comprising a lever carried by said supporting means, a link connecting said lever with the bucket, and an

extensible link connecting said lever with a fixed pivot point on the tractor vehicle below the pivoted connection of said supporting hydraulic



means with said vehicle, and means for extending said link to vary the digging angle of the bucket and to tilt the bucket to dumping position.

2,482,613
MANUFACTURE OF UNIT STRIP ASSEMBLIES
Andrew L. Erickson, Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 29, 1944, Serial No. 537,962
9 Claims. (Cl. 270—52)



1. The method of making unit strips which comprises transversely slitting a web of paper from a point spaced from one margin of the web to a point spaced from the other margin thereof at uniformly spaced points along its length and thereafter attaching the leading edges of a series of lengths of the transversely slit web each in fixed relation to a common advancing member in such way that the slits are offset from top to bottom of the several lengths, applying securing means to the overlapped lengths between but spaced from the lines of severance provided by the slits whereby to secure the corresponding portions of the several lengths to each other, and thereafter cutting off the side edges of the overlapped lengths at points spaced further from the margins of said web than the ends of said slits.

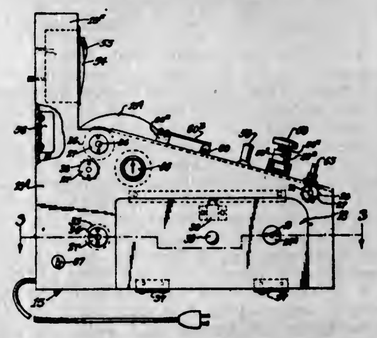
2,482,614
HANDLE ATTACHMENT OR THE LIKE
Laurence H. Fiora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 30, 1947, Serial No. 758,998
4 Claims. (Cl. 287—20)

2. A mounting for attaching a handle, knob, or other article to a support comprising a sheet metal connecting device having a flange at either end united to said support and an integral hollow projection in the form of a generally cylindrical hub projecting outwardly from the support and defining a fastener base spaced from said support, integral resilient thread engaging means comprising cooperating tongues struck from said fastener base and formed to extend inwardly within said hollow cylindrical hub for threadedly engaging a bolt or screw in the manner of a nut, a bolt or screw threadedly con-



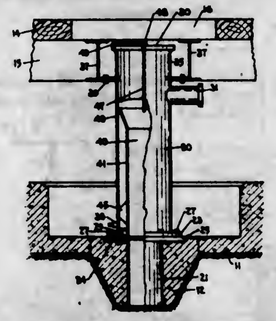
nected with said cooperating resilient tongues and securing the article to the support in a resilient mounting provided by the resiliency of said tongues, said article having a recess housing the connecting device and substantially concealing the same, said recess including a cylindrical bore corresponding substantially to the contour of the hollow cylindrical hub of the connecting device, and said hollow cylindrical hub being received in said cylindrical bore to support and rigidify the article in the completed mounting.

2,482,615
AUTOMATIC SIGNAL AND REMINDER
Herman J. Fowler, Chicago, Ill.
Application July 23, 1945, Serial No. 606,615
10 Claims. (Cl. 161—2)



1. In a signal system, an electric circuit including a normally deenergized visual signal, a normally deenergized audible signal, a normally open switch adapted for simultaneously energizing said signals and having a pair of contacts, a movable strip of electrically non-conductive material passing between said contacts thereby maintaining said switch in open position and both of said signals deenergized and having at least one perforation therein, means for moving said strip, both of said signals being simultaneously energized when a perforated portion of said strip is brought into alignment with said contacts and said contacts engage one with the other to close the circuit through said switch, a relay in said circuit for maintaining both of said signals energized after initial energization through the closing of said circuit through said switch contacts, a normally closed second switch in said circuit adapted to be opened to deenergize said audible signal, and a third normally closed switch in said circuit adapted to be opened to simultaneously deenergize said relay and both of said signals or if said audible signal is deenergized then to simultaneously deenergize said relay and said visual signal.

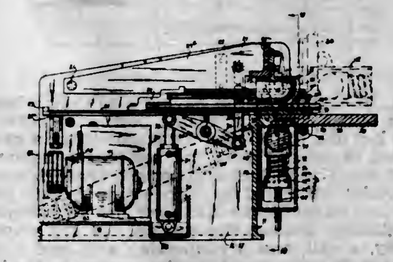
2,482,616
INSTALLATION FOR WELL CONTROL EQUIPMENT
James N. Gregory, La Habra, and Lewis W. Elder, Long Beach, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 7, 1945, Serial No. 627,114
8 Claims. (Cl. 166—1)



1. For use in a well derrick cellar structure, a tubular conductor unit for installing a surface casing string, said conductor unit comprising a lower tubular sub-conductor element of relatively smaller diameter adapted to be permanently embedded in a cement mixture immediately below the cellar floor, a removable upper conductor element of a diameter larger than that of the sub-conductor element adapted to extend in axial register with the sub-conductor element above the cellar floor, connector means for detachably affixing said elements to each other and anchoring them to the cellar floor, said connector means forming between said elements an annular shoulder transverse to the axis of said elements, support means exteriorly carried by the conductor element near the upper end thereof, and laterally adjustable means for detachably locking said support means to the derrick structure, whereby said conductor unit can be centered with regard to the derrick floor.

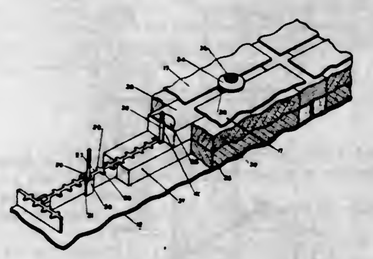
2,482,617
TANGENT BENDING APPARATUS WITH WORK HOLDING DIES
Lee B. Green, Lakewood, Ohio
Application January 9, 1945, Serial No. 571,879
10 Claims. (Cl. 153—46)

10. In bending apparatus, a frame having laterally spaced uprights, a laterally elongated work supporting die on said frame at the front thereof, laterally elongated anvil die means above said work supporting die, a movable carrier for said anvil die means and mounting the latter for movement toward said work supporting die for clamping work material against the latter, a laterally elongated structure having laterally spaced arms pivoted on said frame on the outside of said uprights for swinging of said structure forwardly and upwardly around said anvil die means, a laterally elongated plate separate from but carried and actuated by said structure by being supported thereon between the arms thereof and extending substantially normal to the plane of said structure, said plate having arms projecting from one side thereof and adjacent its ends and fulcrumed on said frame for movement of said plate around said anvil die means with said structure, a laterally elongated bending die carried by said plate on said one side thereof and cooperating with said



anvil die means for bending the work material around the latter during the swinging of said structure, resiliently acting pressure means carried by said structure and acting on the other side of said plate for holding said bending die against said anvil die means, and a pair of hydraulic power cylinders mounted on said uprights adjacent the outer sides thereof and operably connected with said structure for imparting the swinging movement thereto.

2,482,618
LINING FOR VESSELS, ETC.
Louis H. Hosbein, Glencoe, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware
Application July 2, 1945, Serial No. 602,841
7 Claims. (Cl. 72—14)



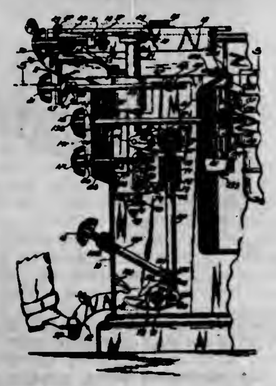
1. In combination a wall subjected to variations in temperature and pressure over a substantial range, partitions dividing the wall area into zones, said partitions being relatively short segments with interlocking ends and being free to expand and contract with reference to said wall and to each other, heat insulating material covering the wall area between the partitions, refractory tile over the partitions, and plate means suported on the refractory tile and covering the zone areas bounded by the partitions, the heat insulating material substantially filling the space between the plate means and the wall, said plate means being held in substantially fixed relationship with respect to the wall.

2,482,619
PIANO KEYBOARD AND SOFT PEDAL ACTION
Alfred H. Howe, New York, N. Y.
Application October 27, 1945, Serial No. 624,959
6 Claims. (Cl. 84—223)



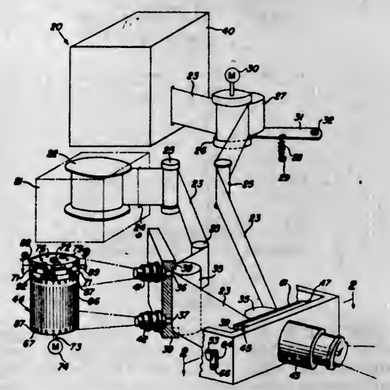
1. In a piano action having a wippen, a hammer and a key, a mediator positioned between the key and the wippen for transmitting a graduated movement from the key to the hammer, said mediator including upper and lower elements pivotally connected to each other, arcuate projections on said upper and lower elements adapted to slidably contact the wippen and key respectively, a rail, and a connecting arm, and a rod having its lower end pivotally secured to the key frame and its upper end supporting said rail, one end of said mediator being pivotally attached to said rail, and said arm having one end connected to the rail and its opposite end connected to the soft pedal through a linkage, whereby gradual depressing of the soft pedal causes the mediator to move forward thereby shortening the leverage between the key and the mediator while simultaneously lengthening the leverage between the mediator and the wippen.

2,482,620
ROUTING MACHINE
William F. Huck, Forest Hills, N. Y., assignor to R. Hoe & Co., Inc., Bronx, N. Y., a corporation of New York
Application August 22, 1945, Serial No. 611,991
4 Claims. (Cl. 90—15)



1. In a routing machine for operating upon flat printing plates, a router head swingably supported for movement limited to one horizontal plane, and a work table mounted for vertical movement toward and away from the router head; the mechanism for moving the work table including a pair of vertically disposed lifting rods, a horizontally disposed shaft, a pair of first arms keyed to the shaft and supporting the rods by a pivotal connection, a balancing spring partially supporting the said shaft, an adjustable second arm positioned for supporting the spring, a third arm keyed to the shaft and adjustably arranged to rotate the shaft and thereby raise and lower the first arms and the rods, a pair of vertically disposed links connected to the said shaft independently of the balancing spring, a treadle connected to the links for raising and lowering the shaft, and a stop for limiting the movement of the treadle.

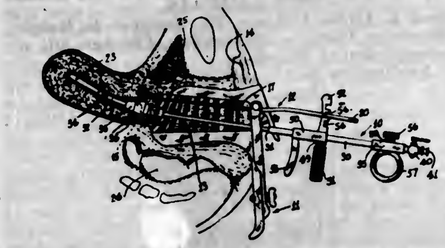
2,482,621
PHOTOFINISH CAMERA AND RECORDING SYSTEM
James J. Jones, Hialeah, Fla.
Application December 15, 1947, Serial No. 791,847
16 Claims. (Cl. 346—107)



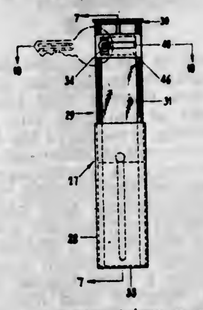
1. A device for photographically recording the order in which a plurality of contestants cross the finish line of a race course comprising a camera having a film therein; means in said camera for selectively projecting an image of the finish line and the contestants as they cross the finish line onto the central area of said film; and means carried in fixed predetermined relation to said camera and arranged in predetermined relation to said first mentioned means for simultaneously imposing respectively aligned and identified reference markings at spaced intervals along the opposite longitudinal marginal edges of the film in parallel relation to the image of the finish line formed by said first mentioned means to provide aligned axially spaced pairs of respectively identified reference markings adapted for use in constructing a determinative finish line parallel to said image of said finish line and tangent to the leading portion of the images of the contestants photographed on the central area of the film.

2,482,622
SELF-RETAINING UTERINE CANNULA
Edward Kahn, Queens Village, N. Y.
Application October 11, 1948, Serial No. 53,880
9 Claims. (Cl. 128—348)

1. A cannula of the character described comprising a tubular shaft having an inlet opening and a valve at one end, and a tip at the opposite end, a sealing acorn slidably mounted on said cannula shaft adjacent said tip, an acorn stop adjustably mounted on said shaft, a tenaculum control member adjustably mounted on said shaft adjacent said valve and inlet opening and a thumb ring limiting member for said control member also adjustably mounted on said shaft, intermediate said control member and said valve and inlet opening.



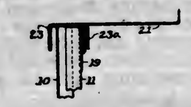
2,482,623
KEY CASE
Bernard H. Kaminer, Brooklyn, N. Y.
Application December 31, 1946, Serial No. 719,470
2 Claims. (Cl. 70—456)



1. A key case comprising a rectangular receptacle having one closed end and one open end and alined grooves, a key carrier slidable in said grooves, said carrier having a rectangular head plate at one end for closing the open end of said receptacle when said carrier is moved into said receptacle, said carrier having a transverse channel of U-shaped cross-section below said head plate, a threaded rectangular member slidable in said channel, one wall defining said channel having a transverse slot terminating short of the upright sides of said carrier, a threadably adjustable member passing through said slot into engagement with said threaded member, said threaded member being adapted for supporting a plurality of keys in side-by-side relation for movement between opposite ends of said slot thereby permitting movement of said keys to either side of said receptacle, whereby one of said keys may be extended horizontally into lock-engaging position with the major portion of the head of the key clear of said carrier while permitting said key carrier and said receptacle to hang in vertically supported relation from said key and adjustable horizontally toward said lock.

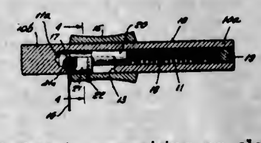
2,482,624
METAL BUILDING
Samuel Korman and Meyer Harrison, Pittsburgh, Pa., assignors to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 10, 1945, Serial No. 582,024
3 Claims. (Cl. 189—1)

1. A metal building construction comprising end walls formed of overlapping alternately turned vertical channel members, the upper ends of the end walls being sloped to define the slope of a roof, a strip on the inner face of each wall near its top edge providing a vertically extending tongue spaced inwardly from the plane of the wall, a roof comprising similarly arranged channel elements, the endmost elements of the roof each having on the under side of the edge thereof



an inverted channel with two depending flanges, the outer of said flanges extending down over the outside of one of the end walls, and the inner depending flange of said elements being interfitted with one of said tongues of an inner face of an end wall to thereby connect the roof and end walls against relative movement and provide a tight connection between them.

2,482,625
SAFETY CLOTHESPIN
Gustave D. Kunkel, Bridgeport, Conn.
Application August 31, 1945, Serial No. 613,725
7 Claims. (Cl. 24—137)

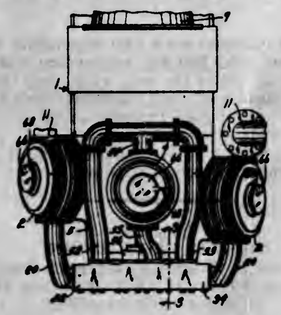


1. A clothespin comprising an elongate body having a cut in one side, a portion of the body bordering said cut comprising a hook-shaped jaw; a sleeve encircling the body and slidable thereon, an end portion of said sleeve comprising a hook-shaped jaw cooperable with the jaw of the body for clamping clothes to a line; means on the body for yieldably urging the sleeve to a clamping position on the body wherein the jaws are brought together to clamp the line between them; and a stop on the body for limiting movement of the sleeve on the body in a direction separating the jaws.

2,482,626
COMPRESSOR
Ralph E. Lamberton, Worthington, Ohio, assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 28, 1944, Serial No. 551,522
1 Claim. (Cl. 230—211)

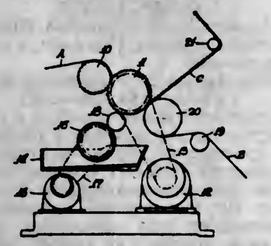
In a compressor, in combination, a pair of low pressure cylinders supported in V relation, a high pressure cylinder arranged vertically between said low pressure cylinders with the longitudinal axis of the high pressure cylinder bisecting the V between the low pressure cylinders, a combined intercooler and aftercooler comprising radiator cross members in spaced relation and each having chambers therein, each of said cross members having two end chambers, the end chambers in one of said cross members arranged opposite the end chambers in the other cross member, and one of said cross members having two intermediate chambers between the end chambers therein and the other of said cross members having a single intermediate chamber opposite the last mentioned chambers in said one member, separate discharge flow connections

leading from said low pressure cylinders respectively to said two end chambers of said other cross member, separate flow connections leading from said two end chambers of said one cross member to said high pressure cylinder, a discharge flow connection leading from said high pressure cylinder to one of said intermediate chambers of said one cross member, a terminal flow connection leading from said other intermediate chamber in said one cross member, said combined intercooler and aftercooler including parallel radiator sections connected between said cross members including radiator sections con-



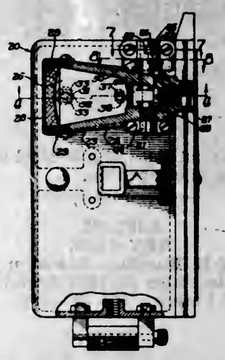
necting the opposite end chambers in communication with each other and through which fluid flows from the chambers of said other cross member to said chambers of said one cross member and radiator sections severally connecting each of said two intermediate chambers to said single intermediate chamber, said cross members, flow connections and said radiator sections being so arranged and constructed that fluid may flow from one of said two intermediate chambers through one radiator section to said single intermediate chamber and from the latter in the opposite direction through another radiator section to said other of said intermediate chambers.

2,482,627
MACHINE FOR MAKING CORRUGATED PAPER
Bryant W. Langston, Woodbury, N. J., assignor to Samuel M. Langston Co., a corporation of New Jersey
Application January 22, 1946, Serial No. 642,671
15 Claims. (Cl. 154—31)



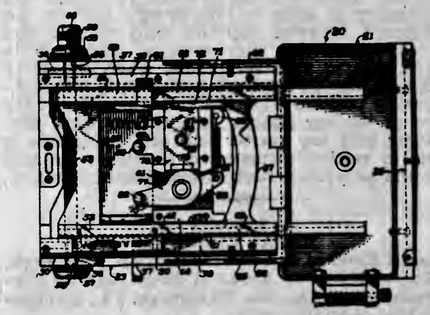
1. A corrugating machine including a corrugating roller for continuously advancing and corrugating a sheet, a roller for applying adhesive to said sheet, separate motors, each constituting the sole driving means for its corresponding roller, means for simultaneously varying the speeds of said motors to vary to the same extent the speed of said rollers, and means for stopping the sheet advancing motor without stopping the glue roll motor.

2,482,628
PARALLAX COMPENSATING VIEW FINDER FOR CAMERAS
Alfred E. Little, Chicago, Ill., assignor to Busch Precision Camera Corporation, Chicago, Ill., a corporation of Illinois
Application May 9, 1946, Serial No. 668,576
1 Claim. (Cl. 88—1.5)



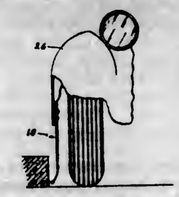
In a view finder of the character described and having a substantially rectangular housing having a lens system therein, said housing being swivelly mounted at its front end, the herein invention comprising a recess in the bottom face of the housing adjacent its other end, said recess having walls forming a parallelogram in the longitudinal axis of the housing, a rotatable spindle extending beneath said recess, a cam member attached to said spindle and seated in said recess, said cam being T-shaped and having edges engaging the bottom face and side walls of said recess, a lever member on one end of said spindle, whereby said cam member is moved in operative engagement with the bottom face and side walls of said recess, thereby elevating the view finder housing and simultaneously rotating said housing in a counter-clockwise direction.

2,482,629
CAM OPERATED LOCKING MEANS FOR CAMERA FOCUSING MECHANISMS
Alfred E. Little, Chicago, Ill., assignor to Busch Precision Camera Corporation, Chicago, Ill., a corporation of Illinois
Application May 9, 1946, Serial No. 668,577
2 Claims. (Cl. 95—46)



1. In a camera construction of the character described and having a bed including a pair of spaced guide members, a frame on said bed slidable along said guide members, guide ways on said frame, a lens and lens mount, the herein invention which comprises a base member carrying said lens mount, said base member being slidable in the guide ways, a braking member mounted on the base member and being slidable along said guideways, a disc-like flat cam pivotally mounted for rotation in a plane parallel to said bed and engaging one end of said braking member, the braking member being slidable in substantially the plane of said cam and having a second end thereof opposite said engaged end juxtaposed in braking relationship with one of said spaced guide members, and biasing means applying a torque to said cam tending to cause same to move the braking member to engage said last mentioned guide member and bind said base member against sliding movement.

2,482,630
AUTOMOBILE CURB GUIDE
Vincent Mastromarino, New York, N. Y.
Application August 7, 1947, Serial No. 766,925
2 Claims. (Cl. 206—52)

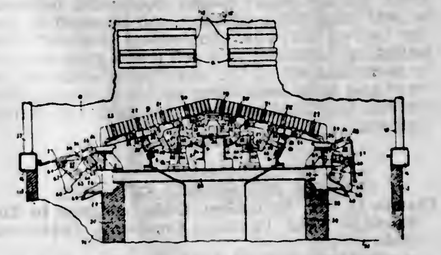


2. In a curb indicating device, a metal sleeve, a coiled spring element within said metal sleeve and spaced therefrom and extending below said metal sleeve, an insulating sleeve between said coiled spring element and the upper portion of said metal sleeve, the deflection of the lower end of said coiled spring element causing it to contact the lower portion of said metal sleeve, a hollow chuck disposed in the lower end of said coiled spring element, a curved curb-engaging member adjustably disposed in said chuck, the lateral deflection of the spring element being caused by contact of the curb-engaging member with the side of a curbing, a sealing cup of insulating material around the bottom of the metal sleeve and sealingly surrounding the coiled spring below the bottom of the sleeve to protect the lower end of the sleeve and the inclosed portion of the spring from dirt, dust and the weather.

2,482,631
ETHERS OF POLYALKYLATED CYCLIC SULFONES
Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 1, 1946, Serial No. 658,880
4 Claims. (Cl. 260—329)

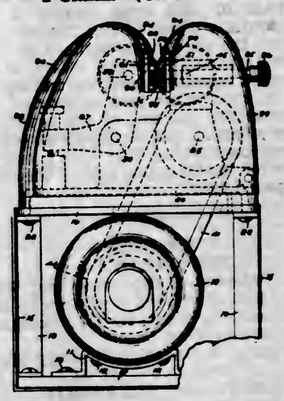
4. A compound containing a 5-membered heterocyclic nucleus consisting of 4 nuclear carbon atoms and the sulfur atom of a sulfonyl radical wherein each of the nuclear carbon atoms in the 2- and 4-positions is directly attached to an alkyl radical containing from 1 to 4 carbon atoms and wherein one of the nuclear carbon atoms is directly attached to an oxygen atom which, in turn, is linked directly to a hydrocarbon radical selected from the group consisting of the alkyl radicals and the beta,gamma-alkenyl radicals, the remaining free bonds of the nuclear carbon atoms being linked directly to hydrogen atoms.

2,482,632
DUMP GRATE MECHANISM
Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1946, Serial No. 702,965
3 Claims. (Cl. 110—165)



1. Furnace dump grate structure comprising first and second members, considered in the direction of ash feed thereover, pivotally connected together in end-to-end relation; a fixed pivotal support for the front end of said first member; a movable support for said second member intermediate its ends; a first abutment on said movable support; a second fixed abutment; and means for moving said movable support through a predetermined path such that during the first portion of its movement the abutments are out of contact and the first member remains stationary and the second member is inclined downwardly in the direction of ash feed, and during the second portion of its movement the abutments are in contact, which moves the first member to a position inclined upwardly in the direction of ash feed and the second member to a position of greater inclination.

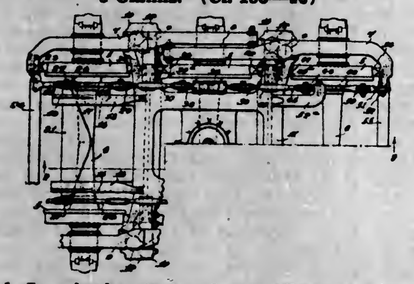
2,482,633
SHARPENING UNIT
Stephen G. Nichols, Winchester, Mass., assignor to L. O. Nichols, Newton, Mass., a firm
Application December 26, 1946, Serial No. 718,547
1 Claim. (Cl. 51—30)



A portable power-driven knife sharpening unit of the kind described, comprising a motor carried in the lower part of said unit, two rotatable shafts each carrying a set of sharpening elements adapted to be rotated by said motor, one of said shafts being mounted in fixed bearings, and the other of said shafts being mounted in the arms

of a pivoted bell crank yoke, adjusting means to rock said yoke on its pivot, said sets of sharpening elements including a plurality of overlapping grinding wheels arranged in staggered relation and a pair of grinding wheels arranged in tangential relation to operate simultaneously on a knife blade to be sharpened, manually adjustable knife handle guide means positioned adjacent to said tangential grinders and adapted to seat the heel of said blade in contact therewith, the adjusting means on said bell crank yoke adapted to move one set of the sharpening elements toward and from each other, and a removable protecting and guiding cover for said sharpening elements.

2,482,634
BRAKE EQUALIZER SUPPORT
Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application April 23, 1945, Serial No. 589,887
3 Claims. (Cl. 188—46)

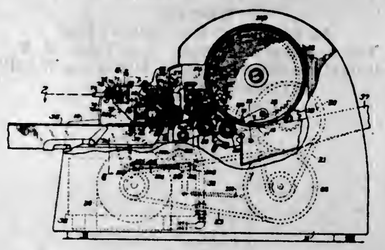


1. In a brake rigging for a railway car truck, wheels and axles for said truck, a central bolster including a transverse member, a brake linkage at one side of the truck including a vertically disposed lever at a live end of the brake linkage, a brake linkage at the other side of the truck including a vertically disposed lever at the live end of the second brake linkage, spaced arms carried by said transverse member of the bolster extending therefrom longitudinally of the truck above the axle at the live end of the brake linkage, each of said arms having a substantially horizontally disposed slot therein generally aligned with the path of movement of the upper end of the vertically disposed levers, a horizontally arranged equalizer lever extending through the slots in said arms and supported thereby, means connecting one end of the equalizer lever to the upper end of one vertically disposed lever, and means connecting the other end of the equalizer lever to the upper end of the other vertically disposed lever.

2,482,635
PROVITAMIN A
Harold G. Petering, Kalamazoo, and Wilbur H. Petering, Detroit, Mich., assignors to Research Corporation, New York, N. Y., a nonprofit corporation of New York
No Drawing. Application January 31, 1947, Serial No. 725,740
19 Claims. (Cl. 99—11)

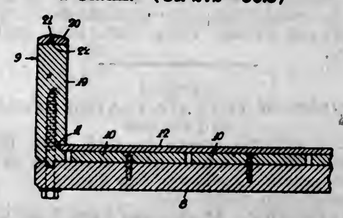
1. The method which includes: mixing a low-boiling organic liquid from the group consisting of hydrocarbons and halohydrocarbons with a dry comminuted plant leaf tissue having a low affinity for fatty material and containing naturally therein both a provitamin A and a stabilizer for the provitamin A to dissolve substantially all of the provitamin A and stabilizer; vaporising the organic liquid directly from the mixture; and recovering the plant tissue in a form wherein the naturally occurring provitamin A is stable over a longer period of time than in the untreated tissue.

2,482,636
COATING AND MOISTENING MECHANISM FOR DUPLICATING APPARATUS
Eric W. Peterson, Muskegon, Mich., and John J. Camphouse, Oak Park, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Original application July 23, 1942, Serial No. 452,022. Divided and this application March 23, 1946, Serial No. 656,698
15 Claims. (Cl. 91—50)



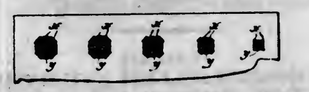
1. In a duplicating apparatus, the combination of sheet moistening forwarding means extending across transversely of the machine for forwarding and moistening sheets one at a time, and means adjustable transversely of the machine adapted when in operative position to apply a coating to a selected portion of one face of a sheet being carried forwardly by said forwarding means before said portion engages said forwarding means.

2,482,637
PLAYGROUND SLIDE
Stephen J. Podvinecz, New York, and William J. Papa, Bayside, N. Y.; Dorothy Parry Podvinecz administratrix of said Stephen J. Podvinecz, deceased
Application January 17, 1946, Serial No. 641,680
1 Claim. (Cl. 272—56.5)



A recreational apparatus, comprising longitudinally and vertically extending side members, said side members being provided with parallel, open-ended, longitudinally extending inner grooves near their lower edges, said grooves extending continuously for the full length of said side members, a supporting framework carried by and connecting said side members, and a slide of flexible material positioned on said framework and extending for the full length of the apparatus and having its outer edges positioned in said grooves in the side members, whereby said slide is insertable in or removable from said grooves through said open ends thereof, without any disassembly of said side members.

2,482,638
PHOTOGRAVURE
Oswald R. Schultz, New York, N. Y., and Robert F. Nestle, Ardmore, and Matthew J. Romano, Philadelphia, Pa., assignors, by mesne assignments, to Triangle Publications, Inc., Philadelphia, Pa., a corporation of Delaware
Application April 12, 1943, Serial No. 482,712
14 Claims. (Cl. 95—5)

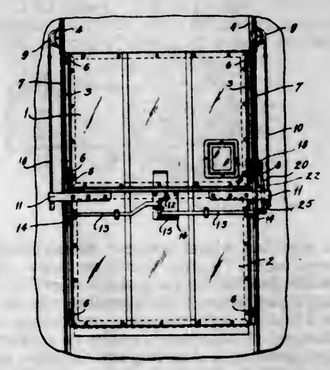


1. As a new article of manufacture, a picture transparency comprising a substantially uniform ground and picture elements of varying densities, the picture elements which have densities differing most from said ground being arranged in a gravure screen pattern and the picture elements which have densities differing least from said ground having areas decreasing progressively with decreasing density difference from the ground, each picture element being composite and being defined by a central spot and a plurality of corner spots grouped thereabout, the placement and spacing of the spots being the same in the various elements, and each spot comprising a center having a density differing most from the ground and differing progressively less in density from the ground as the distance from the center increases, the said spots of each element overlapping so as to form a single picture element.

7. The method of making a transparency for use in preparing printing surfaces which comprises photographing a picture to be reproduced through a screen, part of the exposure of the said picture being given through a stop having a central aperture and part of the exposure of the said picture being given through a stop having peripheral apertures, the said peripheral apertures and screen being so spaced and angularly related as to produce a pattern of exposed elements having their greatest dimensions substantially in alignment with the greatest dimensions of the transparent elements of the screen.

2,482,639
ELEVATOR SHAFT DOOR
Julius A. Schweig, Clayton, Mo., assignor to Security Fire Door Company, St. Louis, Mo., a corporation of Missouri
Application March 27, 1947, Serial No. 737,582
1 Claim. (Cl. 292—40)

In a door construction comprising a door frame, slidable upper and lower door sections movable vertically in unison in opposite directions to open and close said frame and a latch bar mounted on the lower door section for horizontal sliding movement into and out of locking engagement with said door frame in the closed position of said lower door section, the combination of separate means for locking said upper door section in closed position, said upper door section locking means comprising a latch bolt mounted on said door frame for horizontal sliding movement into and out of locking relation to said upper door section in the closed position thereof, an upright lever mounted on said frame with its upper end directly connected to said latch bolt for moving the same into and out of locking position, a stud carried by the lower end of said lever and positioned to be engaged by the effective end of said latch bar in the locking position thereof to move said lever in a direction that will move the latch bolt connected to the upper end thereof to locking position, said stud being adjustable relative to said lever for varying the length of movement of said latch bolt, and a spring interposed between said frame and said lever for holding said stud in



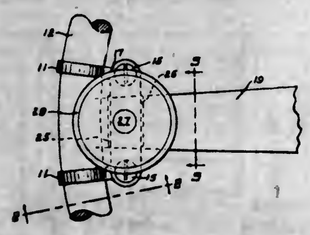
abutting engagement with said effective end of said latch bar in all positions thereof and for moving said lever in a direction that will move said latch bolt to unlocking position when said latch bar is moved to unlocking position.

2,482,640
GIRDLE
William R. Spiess, Teaneck, N. J., assignor to Flexnit Company, Inc., a corporation of New Jersey
Application May 8, 1946, Serial No. 668,118
2 Claims. (Cl. 2—43)



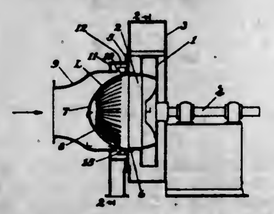
1. A girdle formed from a sheath or tube of knitted stretchable fabric and having an upper edge, a stretchable band having its lower edge secured to the upper edge of the girdle at the front of the girdle and terminating into spaced ends whereby the band terminates at the back of said girdle between the sides of the girdle, and the upper edge of the girdle at the rear thereof beyond the sides thereof is free of the band and unsecured to each end of the band, said band being of the same width throughout its length, a strap member secured to one end of the band, a second strap member secured to the other end of the band and means on one strap member cooperating with means on the other strap member for adjustably securing the strap members together, said strap members constituting a continuation of the band and spaced upwardly from the upper edge of the girdle upon securing the straps together by said adjustable securing means and said straps formed from a non-stretchable material, said straps being of the same width and smaller in width than the band.

2,482,641
STEERING WHEEL SPINNER
Loren H. Stites, Flint, Mich.
Application September 18, 1947, Serial No. 774,702
4 Claims. (Cl. 74—557)



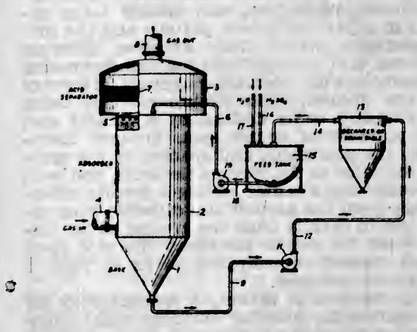
1. A steering wheel spinner comprising, a pair of clamp bands having the inner sides openable with ends directed to be passed over the rim of a steering wheel spaced on opposite sides of a spoke of the wheel, a bottom plate extending between the inwardly directed ends of the two clamp bands for passing under a steering wheel spoke, an upper plate extending between the inwardly directed ends of the two clamp bands for passing over a steering wheel spoke, clamping bolts extending through the inwardly directed ends of the clamp bands and through the ends of said plates for drawing the bands snugly upon the rim of a wheel and also clamping the steering wheel spoke between said plates, a pivot pin secured in a central portion of said upper plate and rising therefrom, and a knob rotatively supported on said pivot pin above said upper plate.

2,482,642
SEPARATOR
Stig G:son Sylvan, Stockholm, Sweden, assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application August 12, 1946, Serial No. 689,885
3 Claims. (Cl. 183—77)



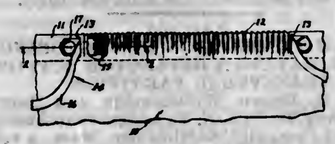
1. A louver dust separator for cleaning a main flow of air upon the establishment of relative rotation between the incoming air and the louver, comprising: a louver separator having a series of slot-defining, spaced blade-like vanes extending around an axis of rotation, with each vane lying transversely across the path of the main air flow, and being inclined in relation to the upstream face of the louver to form an acute angle which points in a direction opposite to the direction of rotation of the vane relatively to the approaching air, said vanes being constructed and arranged to prevent the passage of dust through said slots and thereby cause a cloud of dust particles to form on the upstream side of the vanes; means for constraining the incoming air flow to approach the louver in an axial direction such as to effect an axial movement of cloud particles toward one side of the air flow and thereby relatively concentrate said particles adjacent one end of the louver; a dust ring arranged on the same side of the air flow to extend around said one end of the louver, said ring being outwardly spaced therefrom and having an annular opening communicating with the space therebetween; and a series of blades mounted on the louver to project radially into said annular opening to induce the passage of dust particles through said opening into the ring.

2,482,643
AMMONIUM SULFATE SATURATOR
William Tiddy, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application December 23, 1947, Serial No. 793,432
4 Claims. (Cl. 23—119)



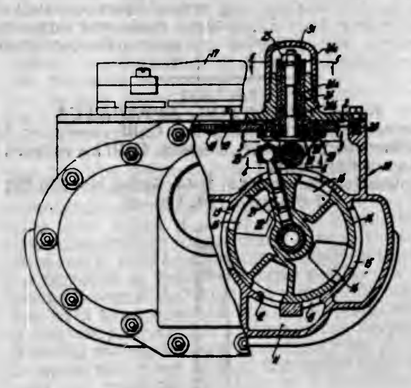
1. A continuous process for the production of ammonium sulfate and the extraction of ammonia from low-pressure gases containing the same obtained by the destructive distillation of coal which comprises continuously introducing such coal gases at a temperature in excess of 55° C. into the bottom of an unobstructed elongated vertical absorber zone, continuously spraying a mixture comprising ammonium sulfate solution and sulfuric acid into the top of the absorber zone downwardly countercurrent to and in intimate contact with the upward flow of the gases, collecting ammonium sulfate solution and ammonium sulfate precipitate in a base zone extending from and disposed immediately below the absorber zone, maintaining a body of liquid in the base zone, continuously withdrawing ammonium sulfate solution and aminonium sulfate precipitate from the base zone, separating liquor from the ammonium sulfate precipitate, admixing water and sulfuric acid with the liquor in amounts sufficient to bring the concentration of sulfuric acid in the mixture to between 30 and 70 grams per liter and the concentration of ammonium sulfate in the mixture to between 100 and 450 grams per liter, introducing the mixture of liquor, water and sulfuric acid into the top of the absorber zone, passing the gas leaving the top of the absorber zone directly into an acid separator zone superimposed on the absorber zone and having a cross-sectional area at least twice the cross-sectional area of the absorber zone, said acid separator being bisected by a horizontal foraminous baffle extending across the cross-sectional area of the acid separator and having interstices which have a total cross-sectional area equal to at least the cross-sectional area of the absorber zone, returning by gravity to the absorber zone entrained liquid separated from the gases passing through the acid separator and continuously releasing the treated gases from the top of the acid separator.

2,482,644
ADJUSTABLE WAISTBAND IN PAJAMA TROUSERS
Samuel Wilker, Norwalk, Conn.
Application March 13, 1948, Serial No. 14,707
3 Claims. (Cl. 2—237)



1. Pajama trousers or the like, having a waistband, said waistband having a rear tubular portion open at its ends to the exterior of the garment, a fastening element secured to the waistband at each of said openings, a band arranged in said tubular portion, said band having a central elastic portion of lesser length than said tubular portion and non-elastic draw straps secured at each end of said elastic portion and extending outwardly of said tubular portion, means at each end of said elastic portion whereby it may be secured on said fastening element, and a tie band at each side of the said waistband, spaced from its adjacent tubular portion opening and adapted to be tied to one of said draw straps.

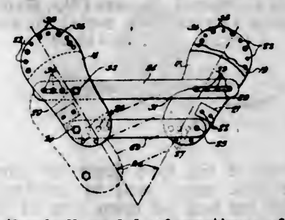
2,482,645
ADJUSTMENT MECHANISM FOR FLUID METERS
William F. Berck, Hayward, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application December 4, 1946, Serial No. 713,887
5 Claims. (Cl. 74—23)



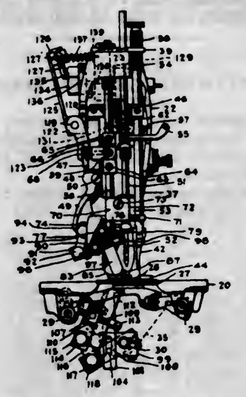
1. In a device for translating reciprocating motion into rotary motion, comprising a cylinder, a piston reciprocable therein, a crank pin projecting from and reciprocable radially of said piston, a rotary member and a crank connected at one end to said crank pin and connected at its other end eccentrically to said rotary member, the improvement which comprises a ball and socket connection between said crank pin and crank and means hingedly connecting said crank and rotary member.

2,482,646
METHOD OF AND MEANS FOR TREATING CLUBFOOT
Philip R. Brachman and Orville C. Sonntag, Chicago, Ill.
Application January 17, 1946, Serial No. 641,676
13 Claims. (Cl. 128—80)

1. In apparatus of the class described, the combination with a pair of shoes, of means for maintaining the ball and heel portions of one shoe of said pair in substantially coplanar relationship, and means for restricting movement of said one shoe about an axis substantially perpendicular to the sole of that shoe to a range having as one limit the normal limit of foot movement in one direction and as its other limit of movement in the other direction a predetermined position between the normal limits of foot movement about said axis, said shoes being connected by means enabling swingable movement of said one shoe about an axis spaced from the first mentioned axis.



2,482,647
TUFTING MACHINE
Robert H. Bradwell and John D. Brock, Dalton, Ga., assignors, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga., a corporation of Georgia
Application June 24, 1947, Serial No. 756,764
5 Claims. (Cl. 112—79)



3. In a tufting machine, a work support, work feed means including a feed dog arranged near the work support, a reciprocatory bar for moving a needle to points above and below the work support, a drive shaft, a crank disc mounted upon the drive shaft, a link pivotally connecting the crank disc and reciprocatory bar, a crank mounted upon the crank disc for rotation therewith, a second reciprocatory bar arranged near the first named bar, a link pivotally connecting the crank and second bar, an upper reciprocatory looper arranged above the work support and connected with the second named bar to be moved thereby,

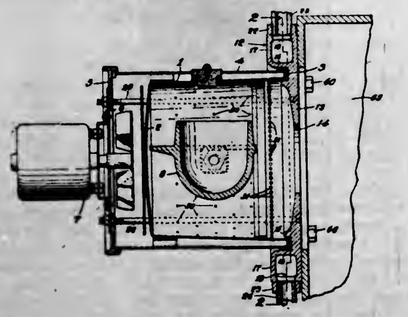
a lower reciprocatory looper arranged beneath the work support and driven from the drive shaft, means including a blade to sever the loops from the upper looper and means including a blade to sever the loops from the lower looper.

2,482,648
FISH LURE
Lewis L. Brandt, Kansas City, Kans.
Application July 23, 1945, Serial No. 606,497
1 Claim. (Cl. 43—42.19)



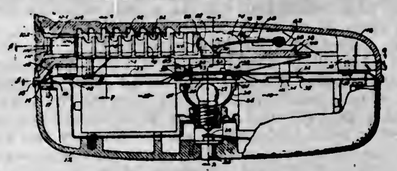
A fish lure of the type described comprising a shank rebent upon itself to provide a long and a short leg and an open loop at the zone of juncture between the said legs; a fish hook mounted in the said loop; a hook formed on the free end of the short leg to engage a long leg and maintain the loop closed and the legs in close side by side relation when the lure is assembled for use; a weight on the long leg between its free end and the said short leg; and a spinner assembly joined to the long leg, said long leg having a perforated ball threaded thereon between the hook on the free end of the short leg and the weight, said spinner assembly being rotatable about the axis of the long leg between the weight and the ball, said spinner assembly comprising a perforated spinner plate and a clevis rotatably mounted on the shank for free rotation about the axis thereof, said clevis passing loosely through the perforation of said spinner plate, said weight having one end thereof adjacent the clevis recessed to receive an adjacent part of the clevis, and said one end of the weight being spaced from the spinner plate when the latter is disposed perpendicular to the shank to permit free rotation of the spinner assembly about the axis of the shank.

2,482,649
BURNER WITH INTEGRAL WATER-HEATING DEVICE
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application December 8, 1945, Serial No. 633,788
3 Claims. (Cl. 126—350)



2. In combination a pot type burner having an open mouth, a flame ring partially closing the mouth thereof, a water chamber in the outer periphery of the ring encircling and entirely outside of the mouth of the burner, conduits connected to the chamber adapted to permit water circulation therethrough, the burner having a periphery of secondary air inlet apertures in the wall thereof adjacent the open mouth, that position of the flame ring which contains the water chamber being bounded on the side furthest from the plane of the open mouth by the plane passing through and defined by the inlet apertures.

2,482,650
OPTICAL COMPARISON HEMOGLOBINOMETER HAVING A REFLECTOR SUPPORTING TRANSVERSE PARTITION
Morden G. Brown, Williamsville, and Harry F. Lundberg, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 26, 1945, Serial No. 637,230
16 Claims. (Cl. 88—14)



1. A portable device of the character described comprising an elongated casing, said casing being divided generally longitudinally thereof to form first and second sections, battery means and a light source in said first section, a removable partition carried by said second section and having an aperture formed therein, an integral frame member supported by said partition and arranged to form therewith an elongated guideway and a chamber adjacent said aperture, an adjustable comparison member arranged in said guideway and a removable specimen holder positioned in said chamber, a reflector, means integral with said frame member for supporting and positioning said reflector in optical alignment with adjacent portions of said adjustable member and said holder, and sighting means in an end wall of said casing for viewing light from said adjacent portions and reflected by said reflector when illuminated by said light source.

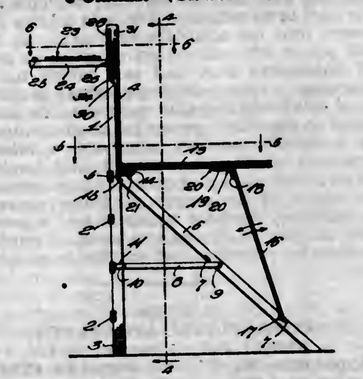
2,482,651
WELL CEMENTING APPARATUS
Clarence E. Burt, Pasadena, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application October 25, 1944, Serial No. 560,283
7 Claims. (Cl. 166—1)



1. An apparatus including a ported tubular member adapted to form part of a well casing

string, an elastic back pressure sleeve valve disposed over the member port and having one end secured to said tubular member and its other end movable to permit outward flow of fluid from the interior of the member through said port to the exterior of said member, and a shiftable sleeve disposed over and engageable with said elastic sleeve valve in leakproof relation with respect thereto, said shiftable sleeve making slidable sealing engagement with the exterior of said member at said other end of said elastic sleeve valve.

2,482,652
COMBINATION IRONING TABLE AND STEPLADDER
Pasquale Capriotti, Smithfield, Pa.
Application November 9, 1946, Serial No. 708,979
3 Claims. (Cl. 228—4)



1. In a combination device of the class described, a pair of uprights, transverse bars connecting said uprights and retaining same in spaced relation, certain of said bars being adapted to form ladder-rungs, the inner opposed faces of said uprights having longitudinal grooves therein, a support for said uprights, a brace having one end pivotally connected with the intermediate portion of said support and its other end pivotally connected with one of the lower bars of said uprights, a transverse rod carried at the upper and inner end of said support having its ends slidably and hingedly operating in the grooves of said uprights, the lowermost ends of said grooves being curved to form locking ends for said transverse rod, there being diagonally extending grooves extending at an upward incline from upper portions of the longitudinally extending grooves for receiving ends of the transverse rod to hold the support in position to retain the uprights in ladder-forming position, a table having hooks at its inner end detachably engageable with the transverse rod, and a prop pivoted at one end to the lower portion of the support for swinging movement to a raised position in which its upper end bears against the under face of the table and supports the table in a horizontal position.

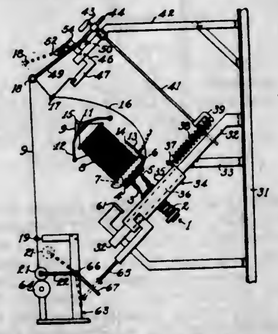
2,482,653
COMBINED SHAVING BRUSH AND SHAVING CREAM DISPENSER
John H. Champagne, Milwaukee, Wis.
Application December 27, 1944, Serial No. 570,026
1 Claim. (Cl. 15—135)

In a closure for a collapsible tube, including a projecting member of resilient material adapted to be attached to the neck of a collapsible tube and having a conical outer end provided with a normally closed discharge slot, a brush back of non-resilient material fitted around said projecting member, and bristles carried by the brush back extending outwardly of the conical outer end of the projecting member and providing a pocket outwardly of the discharge slot thereof, the combination of a plurality of arcuate spring members embedded in the projecting member and extending forward and inwardly therein



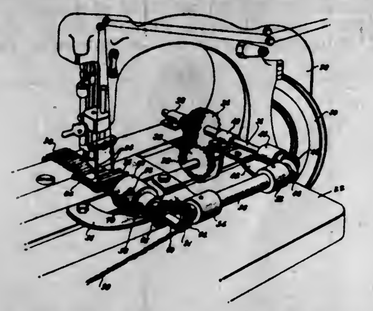
from the portion adapted to be attached to the neck of the collapsible tube toward the slot in the conical end of the projecting member from opposite sides thereof and exerting closing pressure upon the sides of said slot, and said conical projecting member having an inwardly extending concentric shoulder engageable with said neck to prevent leakage between the neck and the conical member and to provide a pocket to hold a supply of material from the collapsible tube.

2,482,654
DOUBLE-TWIST TWISTING DEVICE
John Kermit Cochran, Conyngham, and Jacob Pfister, Hazleton, Pa., assignors to The Duplan Corporation, Hazleton, Pa., a corporation of Delaware
Application February 7, 1948, Serial No. 6,906
6 Claims. (Cl. 57—58)



1. A yarn spinning apparatus comprising a driven spindle assembly including a storage disc, a yarn guide between which and said disc the yarn describes a yarn path, a normally stationary yarn package carrier supported by said spindle assembly and an interceptor supported by said carrier, said interceptor being normally positioned out of the yarn path and when said platform is rotated said interceptor being impelled by centrifugal force across the yarn path.

2,482,655
METHOD AND APPARATUS FOR MAKING RUGS
Ralph E. Cone, Augusta, Ga., assignor to Riverside Mills, Augusta, Ga.
Application January 20, 1945, Serial No. 575,232
13 Claims. (Cl. 112—9)



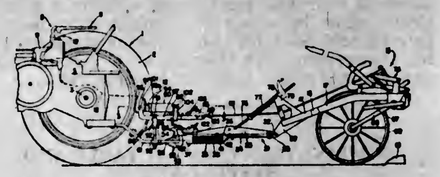
1. A winding device comprising a support, a head rotatably mounted on said support, said head having a grooved periphery and a helical end, a tapered mandrel adjacent said helical end, and a passage formed in said head and communicating with said groove for introducing a filament to the interior of said head and to said groove for cooperation with said helical end and said mandrel.

2,482,656
HOLDING AND MOUNTING DEVICE FOR ELECTRIC LIGHT SOCKETS
Hilma A. M. Conroy and George Edward Conroy, Ossining, N. Y.
Application February 2, 1948, Serial No. 5,862
2 Claims. (Cl. 240—52.1)



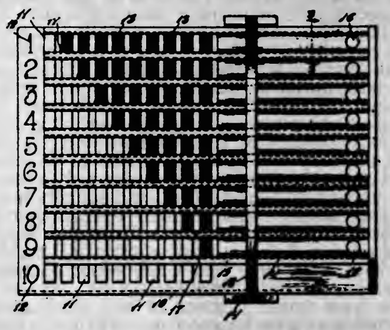
1. A holding and mounting device for an electric light socket, comprising an elongated cylindrical tube slotted longitudinally from end to end at one side, said tube being resilient and adapted to snugly receive an electric light socket in the upper end thereof with the external flange on the upper end of the socket seated on the upper end edge of the tube, the longitudinal slot permitting entry of the wires connected to the socket therethrough within the tube so as to extend through the lower end of the latter, said tube further having a circumferential elongated slot near its lower end that extends substantially one-half the circumference of the tube and is adapted to have the branch of a Christmas tree wedged therein so that the device is held in an upright position on the branch with the latter disposed substantially diametrically of the tube.

2,482,657
POWER LIFT
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 13, 1944, Serial No. 540,113
10 Claims. (Cl. 97—50)



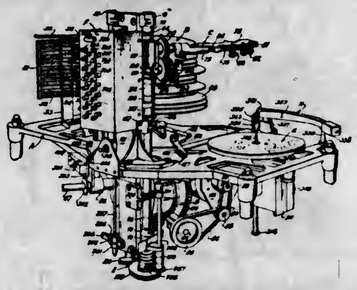
1. In an agricultural outfit including a propelling unit, an agricultural implement releasably connected with said tractor, said implement having a part to be adjusted, and said tractor having a power unit for adjusting said part; an implement power lift connection adapted to connect said implement part and said power unit and comprising a ram-receiving carriage including a pair of relatively movable members, one movably carried on the other, means releasably connecting said relatively movable members, a releasable connection adapted to connect said implement part and said one member, and means responsive to a release of the means releasably connecting said relatively movable members and a predetermined movement of said one member relative to the other for releasing said releasable connection.

2,482,658
EDUCATIONAL APPARATUS
Mary J. Culp, Cranston, R. I.
Application May 27, 1946, Serial No. 672,437
4 Claims. (Cl. 35—31)



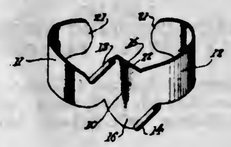
1. An educational apparatus comprising a base, a plurality of rows of similar stationary objects on said base for presenting different quantities, and with the rows arranged to present the quantities in a consecutive order, each of said rows being designated by a numerical symbol having the same quantitative meaning as the number of objects in a row, second objects in said rows and of a number when combined with the first said objects in each row to provide each row with an equal number of objects and with the objects in one row positioned in line with the objects in the other rows, means in each row movable for covering all of said second objects in the row and movable for exposing any number of said second objects and a removable stop for each row positioned to be engaged by said means for limiting said means to cover only said second objects in each row.

2,482,659
AUTOMATIC PHONOGRAPH
James A. Davis, Highland Park, and Irving Gil, Chicago, Ill., assignors, by mesne assignments, to said Davis, trustee
Application October 6, 1941, Serial No. 413,808
37 Claims. (Cl. 274—10)



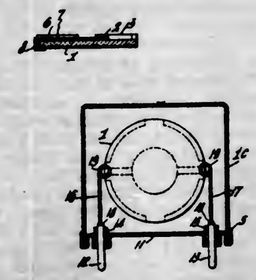
28. A multi-record phonograph comprising a vertically stationary turntable, a reproducer movable to a variable initial playing position relative to said turntable, a plurality of vertically spaced horizontal record trays each adapted to receive and support in horisontal position a disc record of either large or small diameter and said trays constituting a record magazine for disc records of large and small diameter at one side of said vertically stationary turntable, a record gripping member adjustable vertically to the level of each record supporting tray, swingable horizontally about a vertical axis, and oscillatable about a horizontal axis for selecting any record in said magazine and placing it on the turntable with either side thereof up for reproduction and after playing for returning the record to its original position in said magazine, record predetermining means controlling said record gripping means for predetermining for play either side of any record in said magazine, means for adjusting the record gripping means to the elevation of the predetermined record in said magazine, means for swinging the record gripping means at the adjusted elevation toward the predetermined record, means for operating said record gripping means to gripping relationship with the predetermined record, means for swinging the record gripping means and the predetermined record from said magazine to a position at which the predetermined record is vertically aligned with said turntable, means for moving the record gripping means toward said turntable, means controlled by said record predetermining means for rotating said record gripping means about its horizontal axis to turn the record over relative to said turntable where the lower side of the record was predetermined, means for continuing the movement of the record gripping means toward said turntable for placing the predetermined record thereon, means for operating the record gripping means to release the record on the turntable for playing, means actuated by the record during its swinging movement from said magazine to determine the initial playing position to which said reproducer will be moved for playing said record, means for moving the reproducer to said initial playing position for playing the predetermined record after it has been placed on said turntable, means for operating said record gripping means to grip the record on the turntable after playing, means for raising the record gripping means and the gripped record to the elevation of its tray in said magazine, means for again operating the record gripping means to turn the record over while in transit between the turntable and its magazine position where the originally lower side of the record has been played, and means for swinging the record gripping means horizontally to return the played record to its initial position in the magazine.

2,482,660
WRIST WATCH BAND
Charles H. A. Dewey, Mobile, Ala.
Application November 12, 1946, Serial No. 709,197
2 Claims. (Cl. 224—4)



1. An improved wrist watch band comprising a band member made from a flat strip of stiff but yieldable material bent to the general shape of the wrist and composed of a central watch platform and two wrist clips extending in opposite directions from said platform, lateral extensions of said platform outstanding beyond the side edges of said wrist band and being of generally triangular formation with the bases of the two opposed triangles lying approximately in alignment with opposite edges of said band, the triangle at one side of the band being relatively reversed with respect to the triangle at the opposite side of the band, the triangular extensions being bounded externally by sides which converge outwardly and are relatively diametrically opposed to one another across said band, housings formed integrally with the band and platform and carried upon outer relatively opposed sides of said triangular extensions whereby the line connecting the housings across the band is at an acute angle to the long axis of the band, said housings adapted to receive spring dowels for cooperating with the socketed projections on the wrist watch frame to hold the wrist watch with its reading axis 12–6 on the acute angle line between said housings.

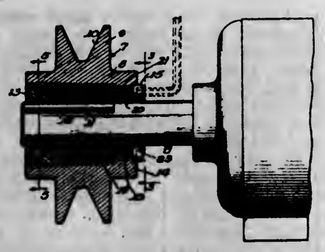
2,482,661
CRYSTAL MOUNTING
Lawrence Le Roy Dimmick, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 15, 1946, Serial No. 690,624
13 Claims. (Cl. 171—327)



1. A piezoelectric crystal device comprising a piezoelectric crystal, a crystal electrode made of a material with the same coefficient of expansion

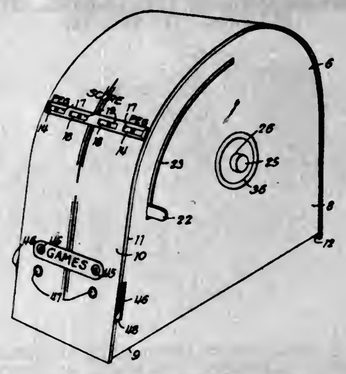
as said crystal located on each side of said crystal, each one of said crystal electrodes having substantially the same area as said crystal, said crystal electrodes having permanently affixed thereto a central metallic electrode portion on one of its faces and also a noncontinuous peripheral metallic band portion located on the same face as said central metallic electrode portion, said noncontinuous peripheral metallic band portion being thicker than said central metallic electrode portion to provide an air-gap between the faces of said crystal and said electrodes.

2,482,662
SHAFT-PULLEY COUPLING OF THE LONGITUDINALLY SPLIT, TAPERED SLEEVE TYPE
Maurice F. Dunne, Chicago, Ill.
Application May 28, 1947, Serial No. 751,014
3 Claims. (Cl. 287—52.06)



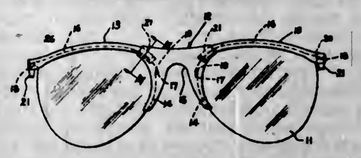
1. As a new article of manufacture, a coupling adapted for use in connection with a shaft and a part with a hub extending concentrically around the shaft and having the inner periphery thereof spaced from the shaft and tapered, said coupling comprising a longitudinally split one-piece sleeve extending around the shaft and within the hub, having a shaft engaging inner periphery and its outer periphery tapered in conformity with the inner periphery of the hub, adapted when the hub is shifted toward the large end of the sleeve to be brought into wedged and gripping relation with the hub and when the hub is shifted toward the small end of the sleeve to release the hub and free the part with respect to the shaft, and provided in its small end with a longitudinal screw threaded hole, an annular flange connected fixedly to, and projecting inwards from, the end of the hub that is adjacent the small end of the sleeve, having the inner periphery thereof in direct sliding engagement with the shaft in order that it serves to hold the part in concentric relation with the shaft, and provided with a smooth bore longitudinal hole in alignment with, and of greater diameter than, the screw threaded hole in said small end of the sleeve and in addition a longitudinal screw threaded hole in offset relation with the smooth bore hole and in alignment with the small end of the sleeve, and a cap screw adapted when inserted through the smooth bore hole in the flange and into screw threaded relation with the screw threaded hole in the small end of the sleeve and then tightened to shift the hub toward the large end of the sleeve and when inserted through the screw threaded hole in the flange and then tightened after abutment with the small end face of the sleeve to shift the hub in the direction of the small end of the sleeve.

2,482,663
CRIBBAGE SCOREKEEPER
Norman C. Fetter, Freeport, Ill.
Application July 27, 1946, Serial No. 686,642
15 Claims. (Cl. 235—117)



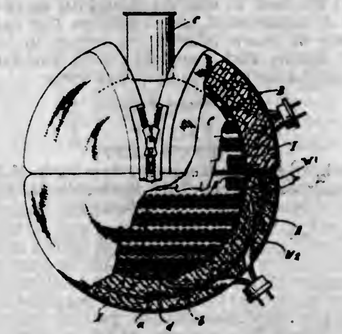
8. In a cribbage scorekeeping device, the combination of a support, two accumulator drums rotatably mounted on said support bearing indicia running in one direction covering the full range of scoring for a game of cribbage, an advancing drum associated with each accumulator drum rotatably mounted on said support in coaxial relation to the accumulator drum and bearing indicia running in the opposite direction and covering the range of points scorable at any one time in a game of cribbage, means to hold the drums normally in adjusted position, a cover on said support having windows through which the indicia on said drums may be viewed, manually operable means for turning either advancing drum in one direction to register the number of points gained and back again to a "0" position, and pawl and ratchet means interconnecting each accumulator drum with its associated advancing drum, whereby the accumulator drums are turned with the advancing drums only in the return movements thereof.

2,482,664
SPECTACLE MOUNTING HAVING TELESCOPICALLY SECURED BRACE ARMS
Louis L. Gagnon, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 30, 1945, Serial No. 607,742
2 Claims. (Cl. 88—41)



1. In an ophthalmic mounting, a lens supporting structure for use with lenses having interconnecting means adjacent the opposed sides thereof, said structure comprising a bridge member and a pair of bar-like members each being shaped substantially to follow the upper contour shape of said lenses, said bridge member having lens interconnecting means on the opposed sides thereof and said bar-like members each having temple supporting means adjacent their outer ends and each having lens interconnecting means adjacent said temple supporting means, said bridge member and the inner ends of said bar-like members having interfitting portions, with one of said interfitting portions being recessed and the other being shaped to extend within said recessed portion and being adjustable longitudinally thereof to alter the distance between the respective lens interconnecting means of said bridge member and of said bar-like members whereby said lens interconnecting means may be moved into cooperative relation with the interconnecting means of the respective lenses and simultaneously position said interfitting portions for connection with each other by securing means to retain said supporting structure and lenses in assembled relation with each other.

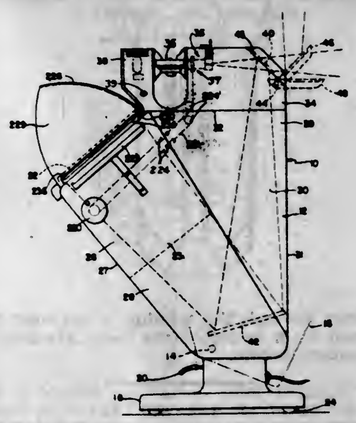
2,482,665
HEMISPHERICAL HEATING DEVICE
William H. Geyer, Nutley, N. J., assignor to Gyco Instruments, Inc., Bloomfield, N. J., a corporation of New Jersey
Application October 16, 1947, Serial No. 780,199
4 Claims. (Cl. 219—43)



1. A hemispherical heating device for spherical containers, said device comprising in combination spaced apart, flexible hemispherical, inner and outer walls comprised of woven fibrous material having high thermal and electrical insulating properties, a packing consisting of fibrous material of high thermal and electrical insulating properties filling the space gap between said walls, a flexible electrical resistance heating element secured to the exterior surface of the said inner hemispherical wall, and a hemispherical resilient support member disposed centrally within the said packing between the said spaced apart, flexible hemispherical inner and outer walls.

2,482,666
ADJUSTABLE FILM STRIP AND PICTURE PROJECTING DEVICE
Albin A. Gradisar, Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 6, 1946, Serial No. 660,231
24 Claims. (Cl. 88—24)

1. A projection device of the character described comprising an enclosed housing, a light source and a horizontally disposed tubular support positioned within the housing, a viewing screen forming a wall portion of said housing, reflecting means within said housing, an objective supported within said tubular support for projecting light onto said reflecting means so as to be imaged upon said screen, a rotatable film reel supporting head also carried by said tubular support, said supporting head extending outwardly through an aperture in said housing and having laterally spaced spindle supporting arms thereon, an apertured film gate on said head intermediate said spindles, and a recess formed in said housing between said light source and said tubular



support, said recess being of sufficient size to allow unrestricted rotational movement of the said film reel supporting head including said supporting arms, spindle and film reels carried thereby about the optical axis of said objective and relative to said housing.

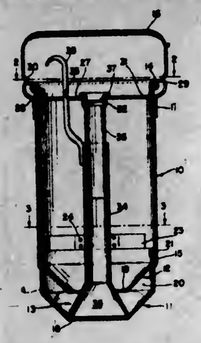
2,482,667
BUFFING COMPOSITIONS
Daniel Gray, Sherrill, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
No Drawing. Application August 30, 1946, Serial No. 694,151
9 Claims. (Cl. 51—304)

1. A stable, substantially non-separating liquid buffing composition consisting of a free-flowing water solution of an amine salt of a higher fatty acid, said salt being substantially non-volatile under buffing conditions, the ratio of water to said salt being not more than about 10:1, and an abrasive present in an amount of 5–10 times the weight of said salt, said abrasive being permanently suspended in said solution.

2,482,668
DOMESTIC DOUGHNUT MACHINE
Stanley R. Hall, Burbank, Calif.
Application December 3, 1945, Serial No. 632,505
12 Claims. (Cl. 107—14)

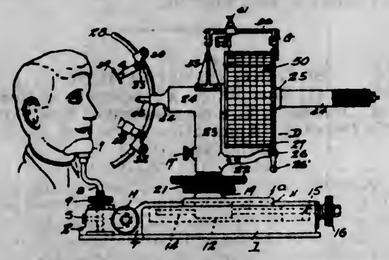
12. A doughnut machine comprising a dough container, a handle extending across the upper end of the container adapted to be grasped in one hand to support the machine, vertically spaced substantially parallel walls at the lower end of the container sloping downwardly and inwardly and each having a central dough-passing opening, a cover removably engaged in the upper end of the container, a downwardly extending guide on the cover, a stem slidable on the guide, a conical dough-forming part on the lower end of the stem presenting a downwardly and outwardly flaring surface terminating at its lower end in a downwardly facing edge, said surface and edge being adapted to alternately move into and out of engagement with said walls at their openings upon reciprocation of the stem to alternately open and

close said openings and to form charges of dough into doughnuts, said cover having an opening, and an operating handle on the stem extending



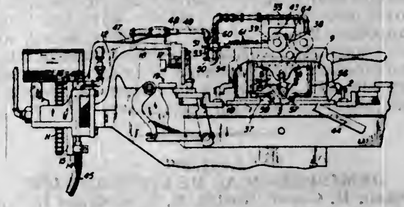
upwardly through the opening in the cover to be operated by a finger of the hand grasping the first-named handle.

2,482,669
INSTRUMENT HAVING PHOTOELECTRIC CELL AND RECORDING MEANS FOR MAKING EYE MEASUREMENTS
Glen F. Harding, Ogden, Utah
Application March 27, 1946, Serial No. 657,496
1 Claim. (Cl. 88—20)



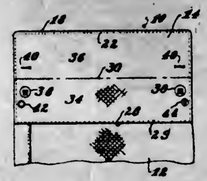
An instrument for making eye measurements by directing a light beam into the eye and measuring the reflected rays from the eye comprising, in combination, a support, a shaft journalled in the support, a semi-circular bar secured to one end of the shaft and providing two supporting arms curving away from the shaft in opposite directions about a center point axially spaced from the shaft beyond the said end, a light source carried by one of said arms and movable lengthwise thereof to different angular positions relative to the axis of said shaft, a photo-electric cell carried by the other arm and movable lengthwise thereof to different angular positions relative to the axis of said shaft, whereby light from said source may be reflected by an eye positioned at said center point to the photo-electric cell, a drum secured on said shaft, a chart sheet on said drum, a recording stylus, means fixed relative to said support and supporting the stylus in operative relation to the chart sheet, electrical means responsive to current changes in said photo-electric cell for actuating the stylus, and means to rotate the drum and the shaft together whereby to record the current changes in said photo-electric cell as the light source and the cell are rotated about an eye located at said center point.

2,482,670
AIR CLEANER FOR FLAT KNITTING MACHINES
Louis Imbriani, Corona, N. Y., assignor to Frances Speier, doing business as Knitcraft Mills, Corona, N. Y.
Application September 13, 1948, Serial No. 49,006
26 Claims. (Cl. 66—168)



1. A flat knitting machine in which there are independent needles, one or more beds containing the needles, a cam carriage and means adapted to move the carriage back and forth lengthwise of the bed, in combination with means providing a compressed air supply on the carriage and one or more nozzles connected to the air supply means and associated with the knitting cams on the carriage to blow lint away.

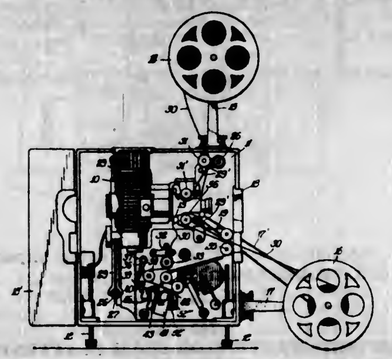
2,482,671
FRENCH CUFF
Richard Oakley Kennedy, New York, N. Y.
Application July 9, 1947, Serial No. 759,820
6 Claims. (Cl. 2—123)



6. A cuff comprised of a substantially rectangular piece of fabric having longitudinal edges and ends attached along one longitudinal edge to the lower edge of a split sleeve, said piece being folded upon itself along a line substantially midway between its longitudinal edges to form inner and outer panels, the fold line constituting a circumferential edge of the cuff when the ends of the folded panels are brought together, means for joining the ends of the folded panels near their longitudinal edges comprising inter-engageable snap fasteners, the component parts of which are secured in opposed relation to each other to the inner panel to hold the ends of the folded cuff closed, and button elements attached to the inner panel between it and the outer panel, the latter having button holes positioned to receive through them the buttons fixed to the inner panel for engagement with the outer panel to hold the outer panel folded against the inner panel.

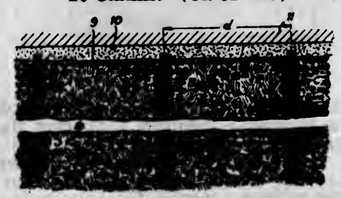
2,482,672
RECORDING AND PROJECTING APPARATUS
Julius H. Kiel, Wilmette, Ill.
Application March 3, 1945, Serial No. 580,897
6 Claims. (Cl. 88—16.2)

1. A sound motion picture projecting, recording and reproducing apparatus, comprising a projector adapted to project visual images from a traveling developed film strip, said projector including driven feed means for advancing the strip for projecting, recording or reproducing, a sound recording device adjacent the path of travel of said strip, comprising a recording head having a vibratory stylus engageable with said film strip adjacent the side edge thereof as the same is advanced by said feed means in order to produce a continuous sound track therein, said head including means for imparting modulated vibration to said stylus during the engagement thereof with the strip to mechanically produce said sound track by indenting said strip in response to a sound modulated current applied to said head,



and a sound reproducing device adjacent said path of travel and spaced from said recording device longitudinally of said path, comprising a pick-up having a stylus engageable in the sound track on a strip produced by said recording device and means to convert vibration of said pick-up stylus resulting from said last named engagement to a modulated current, said recording and reproducing devices being selectively engageable with said strip simultaneously with the projection of images by said projector, and as the strip is advanced past the selected device by the feed means of the projector.

2,482,673
DRAINAGE SYSTEM
Walter Kjellman, Stockholm, Sweden
Application January 22, 1948, Serial No. 3,710
In Sweden December 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1965
10 Claims. (Cl. 61—11)



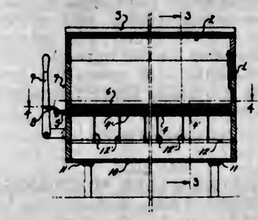
1. In a drainage system for accelerating the consolidation of grounds having a very low permeability to water, a plurality of laterally interspaced drains placed in the ground, each of said drains comprising a flexible strip exerted to lateral earth pressure and consisting of a material pervious to water, and said strip having passages extending longitudinally of the drain and opened at the outer end thereof to permit water squeezed out of the surrounding earth through said strip to flow through said passages.

2,482,674
CASING CUTTER APPARATUS
Bernard Kriegel, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application June 5, 1945, Serial No. 597,857
18 Claims. (Cl. 164—0.8)



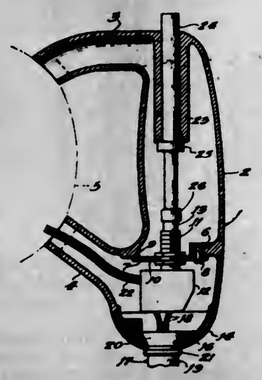
18. A tubular expansion joint adapted to be secured to a tubular string for operation in a well bore, comprising inner and outer members telescopically arranged in leakproof relation to one another, means providing an annular cylinder space between said members, means for feeding fluid from the interior of said inner member to said cylinder space, means secured to said inner member and responsive to the pressure of the fluid within said cylinder space for exerting an upward force on said inner member, the pressure active surface on said last-mentioned means being such that the upward fluid force thereon substantially equals the downward force of the fluid on said inner member.

2,482,675
POULTRY FEEDER
Pearl W. Lamb, Vesper, Wis.
Application July 12, 1946, Serial No. 683,238
1 Claim. (Cl. 119—56)



In a poultry feeding cabinet, a hopper having side and end walls and a perforated bottom; corner strips fitted into the bottom having tapered faces extending towards the center of the hopper, the strips being formed with longitudinal grooves, a perforated slat slidably mounted in the strip grooves having one end extending through an opening in one end wall of the hopper, an actuating lever pivoted to said end wall of the hopper, a link connecting the extended end of the perforated slat and the lever, a trough positioned under the hopper bottom having its edges spaced from said hopper bottom to form mouths, frames secured to the lower corner edges of the hopper, and bowed spacing springs extending from the frames engaging the upper edges of the trough forming separate feeding partitions for the trough mouths.

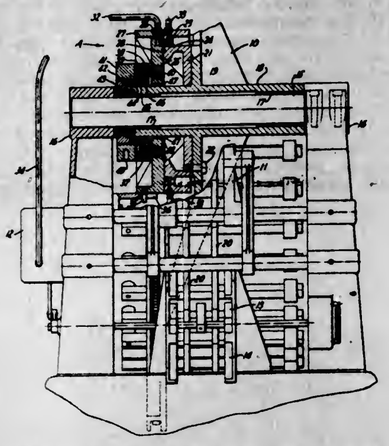
2,482,676
HANDLE SWITCH HOUSING
Clarence W. Lanter, Bartlett, Ill., assignor to Bremer Electric Mfg. Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1946, Serial No. 659,991
2 Claims. (Cl. 200—157)



1. A handle for a portable electrically operated device which comprises in combination a hollow grip portion, standards connecting the ends of said grip portion to the electrically operated device, one of said standards being of hollow construction, a plate extending across the interior of the grip portion adjacent the juncture of said portion and the hollow standard, a switch carried within said hollow grip portion adjacent said hollow standard, an operative head carried by said switch whereby said switch may be manipulated, said head extending through said plate, said plate and the head extending therethrough forming an imperforate partition across the hollow interior of the grip portion, electrical connections between said switch and said electrically operated device, said connections being positioned in said hollow standard, means connecting said switch to an external source of electricity, and means in said hollow grip member on the opposite side of said plate for actuating said operative head, said means having a portion thereof protruding exteriorly from said handle.

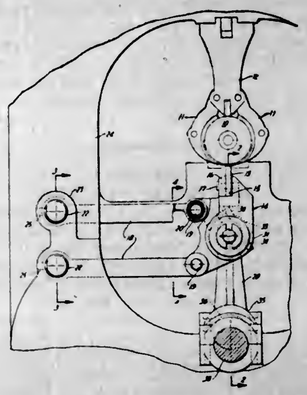
2,482,677
CAN TESTER VALVE MECHANISM
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application August 1, 1947, Serial No. 765,484
5 Claims. (Cl. 73—40)

1. A can tester, including a wheel for carrying cans from an intake chute to a discharge chute, a stationary valve member mounted on said wheel and having air passages opening through a sealing face on said member, a valve device rotatable with said wheel adjacent said member and having air passages opening through a sealing face on said device which are communicable with said stationary member passages as said wheel rotates to determine the supply and condition of air in cans clamped in leakproof relation on said wheel, a thrust member secured to said wheel, spring means for urging said stationary member toward said valve device in order to hold said faces in slidable sealing engagement with each other, and a thrust bearing between said thrust member and spring means for preventing



the rotation of said wheel from being imparted to said stationary member.

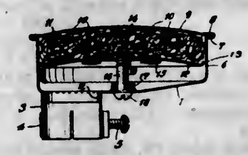
2,482,678
CAN BODYMAKER SIDE SEAM FLATTENING APPARATUS
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application August 1, 1947, Serial No. 765,487
2 Claims. (Cl. 113—12)



1. A can body making machine comprising a frame, a horizontal mandrel supported thereby for supporting a can body with hooked ends thereof inter-engaged, a bumper member for bumping said hooked ends and forming and flattening a seam, means for supporting said bumper member underneath and in vertical alignment with said mandrel and for actuating the same, said means comprising a shaft, a crank operable by said shaft and a crank pin secured to said crank, said bumper member being mounted to rotate on said pin, and guide means for guiding said bumper member into vertical alignment with said hooked ends and seam, said guide means comprising a pair of parallel links each pivotally supported at one end by said frame and pivotally connected at the other end

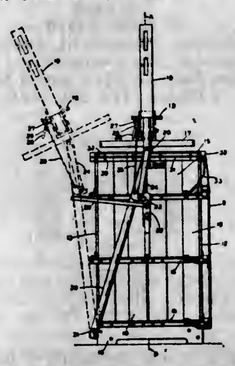
to said bumper member, the pivotal frame supports of said links being in vertical alignment and the pivotal connections thereof with said bumper member being also in vertical alignment, said shaft, crank, crank pin and bumper being aligned when said bumper is in said seam flattening position, whereby substantially no impact forces are imposed upon or transmitted by said guide means.

2,482,679
AIR CLEANER
Alexander J. McAllister and John J. Dreanes, Chicago, Ill., assignors to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application June 20, 1947, Serial No. 755,968
2 Claims. (Cl. 183—47)



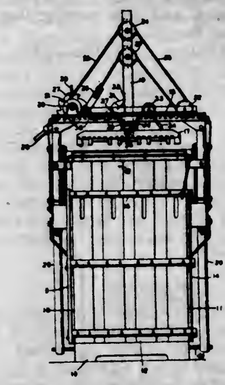
1. In combination, in an air cleaner, a housing, an inlet member permanently fixed in said housing, said member formed to provide inlet openings, an outlet passage from said housing, a filter mass of curled hair positioned within said housing and in contact with said inlet member, and an air-pervious pressure member positioned permanently within said housing, said pressure member being in contact with said filter mass and effective to hold it in place, an adjustable means for forcing said pressure member against said filter mass to compress the same, said adjustable means being also effective to free said pressure member for movement, away from said inlet member.

2,482,680
WOOL PRESS
Francis Claude McNamara, Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation, a corporation of Illinois
Application October 1, 1945, Serial No. 620,385
In Australia May 16, 1944
2 Claims. (Cl. 100—12)



1. Improvements in wool presses and the like comprising a box-like body, a monkey for compressing the material in the body, a vertical member carrying said monkey, a crosshead for slidably receiving said vertical member, means for supporting the crosshead above the body, said supporting means being capable of transverse movement with respect to the body whereby the monkey is moved away from the open top of the body to facilitate the placement of material to be compressed in the body, and means operative between the supporting means and the body for releasably latching the supporting means in the operating position with the crosshead above the body, said latching means comprising a pawl on said supporting means and a catch member on the body adapted to be engaged by said pawl when the supporting means is moved to said operating position, and manually operable means mounted to swing with the crosshead and operable to release said pawl from said catch member, said supporting means being disposed at an angle with respect to the vertical both while in said operating position and also while moved clear of the open top of said body.

2,482,681
WOOL PRESS
Francis Claude McNamara, Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation, a corporation of Illinois
Application October 1, 1945, Serial No. 620,386
In Australia August 22, 1944
1 Claim. (Cl. 100—12)



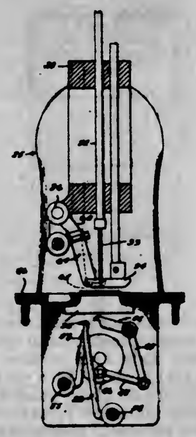
In a press for wool or the like comprising a rectangular box-like body and a vertically movable monkey insertable into the open upper end of said box-like body and serving as a ram to compress material inserted into said body, a cross head supported on and above said body, a vertical member slidably mounted relative to said cross head, means for pivotally connecting the monkey to the lower end of said member, and a cable and pulley system for applying a downward thrust to said monkey comprising a freely rotatable pulley mounted at one end of said cross head, a winch mounted at the other end of said cross head, a pair of pulleys rotatably mounted adjacent the upper end of said vertical member one below the other, and a cable having one end secured to one end of said cross head and passing in succession over the lower pulley on said vertical member, then over said pulley at said one end of said cross head, then over the upper pulley on said vertical member and into engagement with said winch, said cable and pulley system being applied entirely to and carried by said cross head and vertical member whereby operation of said winch causes downward movement of said monkey.

2,482,682
PILE FABRIC
William N. Moore, Tifton, Ga., assignor, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga., a corporation of Georgia
Application February 24, 1948, Serial No. 10,206
11 Claims. (Cl. 112—79)



1. A pile fabric comprising a fabric base and doubled strands of pile yarn having a uniform length inserted in said fabric base at spaced intervals and extending from both faces thereof, said doubled strands of pile yarn being cut to form chenille ends on at least one face of said fabric base.

2,482,683
METHOD AND MEANS FOR FORMING PILE FABRIC
William Neal Moore, Tifton, Ga., assignor to Russell-Lacey Manufacturing Company Incorporated, a corporation of Georgia
Original application February 24, 1948, Serial No. 10,206. Divided and this application January 24, 1949, Serial No. 72,408
14 Claims. (Cl. 112—79)

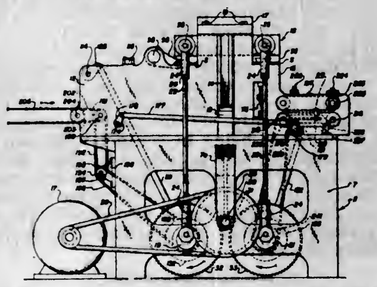


6. A machine of the character described for forming reversible pile fabrics comprising a reciprocating needle for carrying successive doubled portions of a continuous pile yarn through a fabric base, thereby forming a pile of loops extending from one face of said fabric base, a reciprocating finger disposed transversely with respect to said needle for training said yarn to form a loop extending from the other face of said fabric base as each succeeding doubled portion of said yarn is carried through said fabric base by said needle, and a cutting blade associated with said finger for cutting said trained loops, thereby forming a pile of chenille ends extending from the other face of said fabric base.

2,482,684
SOLUTIONS OF TETRAALKYLSILICATES
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
No Drawing. Original application July 23, 1942, Serial No. 451,906. Divided and this application January 18, 1946, Serial No. 642,101
8 Claims. (Cl. 106—287)

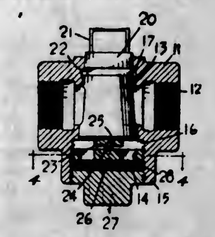
4. A solution for reducing the light reflective characteristics of an article treated thereby consisting of approximately 1 to 10 per cent by volume of a silicic acid alkyl ester selected from the group consisting of tetraethylorthosilicate, tetramethylorthosilicate and mixtures thereof, approximately 1 to 10 per cent of a strong mineral acid, with the remainder of the solution consisting of water miscible readily volatile organic solvent in which the acid and silicic acid alkyl ester are both soluble.

2,482,685
THREE-KNIFE TRIMMING MACHINE
Charles L. Moyer, Chicago, Ill., assignor to C. L. Moyer Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1947, Serial No. 744,665
33 Claims. (Cl. 164—48)



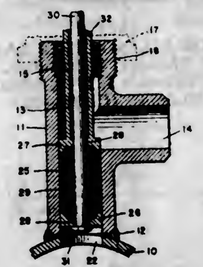
1. In a book trimming machine, a base, a knife carrier mounted for vertical reciprocable movement above said base, abutment means provided on said base to be directly engaged by and to limit the downward movement of said knife carrier, and actuating means provided on said base to reciprocate said knife carrier.

2,482,686
METER STOP
Lucien W. Mueller, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application June 11, 1945, Serial No. 598,756
1 Claim. (Cl. 251—93)



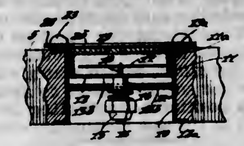
In a valve, a casing including a flow passageway and a tapered seat extending transversely of the passageway, a tapered plug including a flow port and positioned in the casing seat, the plug having its smaller end projecting from the casing, the casing being provided with a threaded bore extending axially from the larger end of the casing seat to the exterior of the casing and providing a lubricant chamber, lubricant grooves in the seating surface, an apertured disc threaded in the inner portion of the threaded bore, the larger end of the plug being provided with a central socket, an anti-friction ball positioned in the socket of the plug and bearing on said disc, the disc being of softer material than the ball, and a cap threaded in the outer end of the threaded bore independently of the disc to close the lubricant chamber and whereby lubricant in the chamber can be placed under pressure.

2,482,687
SERVICE T
Frank H. Mueller and John J. Smith, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 12, 1947, Serial No. 773,638
3 Claims. (Cl. 285—108)



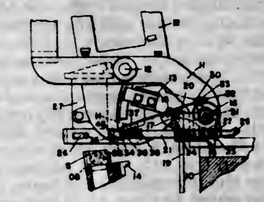
1. A service T of the class described having an axial through bore and a lateral outlet, said bore being of unrestricted diameter throughout its length and extending past the lateral outlet, said bore arranged to receive a full size drill of substantially the same diameter as the bore, the wall of said bore constituting a rigid guide and support for the full size drill above and below said lateral outlet, and one end of the service T having an internally threaded portion, the smaller diameter of said internal threaded portion substantially coinciding with the diameter of the bore at the juncture therewith to allow insertion of the full size drill into the bore.

2,482,688
MAGNETIC COMPASS MOUNTING
Robert Musal, Maple Heights, Ohio
Application July 21, 1945, Serial No. 606,366
1 Claim. (Cl. 33—222)



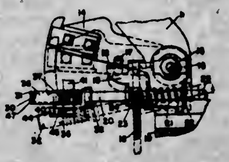
In a leveling frame, a magnetic compass having a housing and a magnetic needle rotatable in the housing on an axis perpendicular to the general plane of the frame, a pair of aligned tubes disposed in an opening extending transversely through said frame from front to back, said housing for the compass rotatably mounted in one of the tubes for rotation about said axis, a transverse portion in the inner end of the other tube, a projection upon the inner portion of said compass housing extending through said transverse portion of the other tube, spring means engaging said projection and resiliently applying tension thereto to hold the housing and compass in the opening and prevent outward displacement thereof, said compass housing having a flange to prevent the inward movement of the compass through the tube and a plate ring connected to the flange with struck out lugs for effecting the adjustment of the compass.

2,482,689
PNEUMATIC THREAD SYSTEM FOR WEFT REPLENISHING LOOMS
George N. Peterson, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 8, 1947, Serial No. 784,792
10 Claims. (Cl. 139—256)



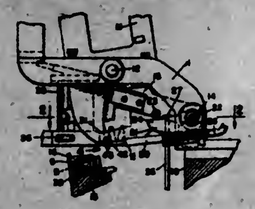
1. In a weft replenishing loom having a filling thread to be removed, a source of subatmospheric pressure, a pneumatic thread remover including a tube pneumatically connected to said source and normally spaced from the thread but moving to a pick-up position adjacent to the thread on a weft replenishing beat of the loom, said remover having an intake mouth for the thread, a slide valve for the mouth on the tube, and means cooperating with the remover to control said valve and cause the latter to close the intake mouth partially when the remover is spaced from the thread and slide along the tube to open the mouth when the remover moves to pick-up position.

2,482,690
PNEUMATIC THREAD CONTROL SYSTEM FOR WEFT REPLENISHING LOOMS
George N. Peterson, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 8, 1947, Serial No. 784,793
14 Claims. (Cl. 139—256)



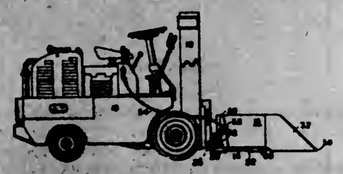
1. In a weft replenishing loom having a filling thread to be removed, a source of subatmospheric pressures, a pneumatic thread remover including a tube pneumatically connected to said source and having an intake mouth normally spaced from the thread but moving to thread pick-up position on a weft replenishing beat of the loom, means mounted on and supported by the tube partially closing said mouth when the latter is spaced from the filling thread, and mechanism cooperating with said means opening said mouth when the latter moves to thread pick-up position.

2,482,691
PNEUMATIC THREAD REMOVER FOR WEFT REPLENISHING LOOMS
George N. Peterson, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 8, 1947, Serial No. 784,794
11 Claims. (Cl. 139—256)



1. In a pneumatic thread remover for a weft replenishing loom having a filling thread extending along the lay to the cloth, a tube in which subatmospheric pressure exist normally spaced from the thread but moving to a thread pick-up position adjacent to the thread on a weft replenishing beat of the loom, said tube having a thread intake mouth, a valve on the tube closing the mouth due to the subatmospheric pressures within the tube when the latter is in normal position, and means on the lay opening the valve to enable the thread to enter the intake mouth when the tube is in pick-up position.

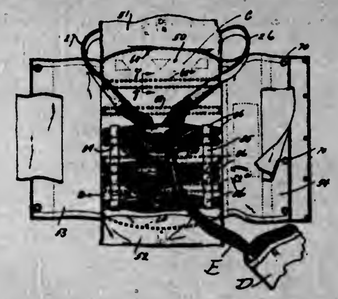
2,482,692
SCOOP ATTACHMENT FOR INDUSTRIAL TRUCKS
Lloyd L. Qualea, Detroit, and John F. Hasler, Dearborn, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 19, 1946, Serial No. 642,237
5 Claims. (Cl. 214—121)



1. A dirt scoop for a material handling truck equipped with forward extended lift forks said dirt scoop including a holding frame detachably mounted on said lift forks, a materials bucket pivoted to said holding frame adjacent the ends of the forks at a point on the bucket slightly forward of its center of gravity whereby the empty bucket will return to its loading position by gravity and that portion of the bucket forward of the pivots being of a larger capacity than the rear portion whereby the loaded bucket will dump its load by gravity, and a latch adapted to hold the materials bucket in a horizontal position until released.

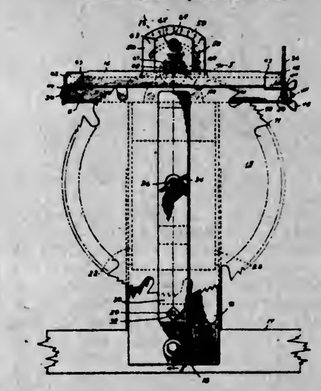
2,482,693
PARACHUTE EQUIPMENT
Harold G. Rogers, Lexington, Ky., and Chester C. Kajdan, Buffalo, N. Y., assignors to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application July 14, 1945, Serial No. 605,071
24 Claims. (Cl. 244—143)

1. In a parachute pack the combination of a flexible fabric container, and transverse flexible form retaining strips secured to the back of the container and terminating short of the extreme side edges of the container, said strips being of



non-fabric material and each consisting of relatively spaced but relatively connected multiple bar portions.

2,482,694
DEVICE FOR FILING CIRCULAR SAWS
Walter G. Shearer, Wenatchee, Wash.
Application January 5, 1948, Serial No. 562
9 Claims. (Cl. 76—31)

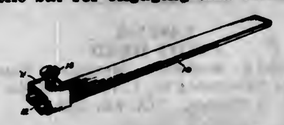


1. A saw filing device comprising, an upright base support, saw mounting means vertically adjustable on said base support, a horizontal cross arm on the upper end of said support, a jointing bar carried by said cross arms in a position in front of a saw carried by the saw mounting means, a curved tilting rail pivotally carried by the ends of said cross arm, a bevel gauge slidingly mounted on said curved tilting rail, a file guide rotatably mounted in said bevel gauge, means for holding said file guide at the required angle for the proper pitch of a file, a file holder extending through said file guide, and a clamp carried by said file holder for securing a file so as to extend therefrom in a position for operating on teeth of a saw mounted in the saw mounting block.

2,482,695
FILE HOLDER OR GUIDE
Walter G. Shearer, Wenatchee, Wash.
Application January 5, 1948, Serial No. 562
4 Claims. (Cl. 76—36)

1. A file holder comprising, an elongated rectangular bar, a channel shaped clamping member having a web portion between depending side flanges, means integrally connecting the inner

edges of the flanges of said clamping member to the edges of the bar at one end thereof so as to provide a longitudinal slot above the bar, and a clamping screw element extending thru the web portion of said channel member toward the upper side of the bar for engaging and clamping a file



therein, said bar under said channel shaped clamping member having a downwardly tapered slot extending longitudinally therethrough, through which the lower edge portion of a triangular file will project when secured in the holder by the clamping screw.

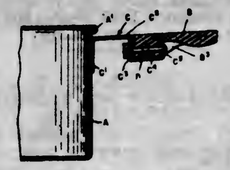
2,482,696
PIPE-LINE STOPPER
McDonald D. Smith, Washington, D. C., and Gorham F. Freer, Arlington, Va., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application November 29, 1944, Serial No. 565,704
24 Claims. (Cl. 138—94)



1. A pipe line stopper comprising an elongated rigid body, a pair of vanes pivoted to said body on an axis extending transversely of the body, said vanes being foldable together about said axis and when so folded being insertable together with said body through a lateral opening in a main with said axis extending lengthwise of the main, said opening being of smaller diameter than the inside diameter of the main, and means associated with said body and operable from the exterior of the main to oppositely project said vanes by swinging them about said axis, said vanes having continuous outer edges curved substantially as the inside of the main, the edges of each of said vanes when projected extending from said opening substantially to the opposite side of said main.

2,482,697
HANDLE FOR UTENSILS AND MOUNTING THEREFOR
Charles C. Spreen, Detroit, Mich., assignor to Richard W. Lewis, Walled Lake, Mich.
Application March 25, 1946, Serial No. 656,919
3 Claims. (Cl. 16—110)

1. A handle for utensils comprising a bracket member directly attached to the utensil and having an outwardly extending portion terminating in longitudinally spaced transversely extending parallel flanges connected by a bottom portion, a non-metallic hand grip member provided at its inner end with a depending lug portion embraced



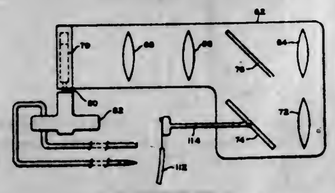
by said flanges, and a bolt extending longitudinally through aligned apertures in said flanges and lug for securing said non-metallic member to said bracket.

2,482,698
OPTICAL LENS MEANS HAVING A NON-SPHERICAL REFRACTING SURFACE
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association
Original application May 6, 1943, Serial No. 485,843. Divided and this application February 15, 1945, Serial No. 578,032
3 Claims. (Cl. 88—57)



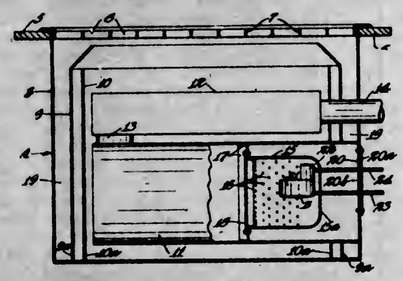
1. An optical element of the character described, said optical element comprising a plate-like member of glass of a given index of refraction having infra-red ray transmission characteristics of radiation shorter than 4000 millimicrons, said plate-like member having on one side thereof a heat-flowed previously ground and polished finished optical surface of a controlled substantially continuous uninterrupted compound curvature, said compound curved surface resulting from the flowing of an optically finished ground and polished surface provided on said member to said compound curvature under the action of heat and subsequent cooling, when said member is supported on the surface of a molding block adapted to absorb said infra-red rays transmitted through the glass during the heating thereof and to retain its initially formed shape on cooling, said ground and polished surface forming the outer surface of the member and flowing simultaneously to said compound curvature as the under surface of the member is caused by said heating and cooling to assume the shape of the surface of the molding block, said heat-flowed controlled compound curvature having a plurality of different centers of curvature disposed transversely of said surface and in controlled spaced relation thereto so as to cause said surface to vary from a plane by controlled graded amounts, the variations in thickness of the member and the index of refraction of the glass controlling the light ray directing characteristics of the optical element and said heat-flowed compound curved surface having its optical precision of shape control, surface quality, texture and optical finish similar to its initial ground and polished optical finish, said plate-like member having a ground and polished optical finished surface on the opposed side thereof.

2,482,699
GUNFIRE CONTROL APPARATUS
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 2, 1943, Serial No. 477,733
2 Claims. (Cl. 33—49)



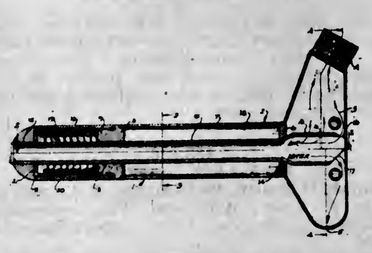
1. In a combat aircraft carrying a gun mounted to fire in the direction of plane travel and aimed primarily by maneuvering the aircraft, the combination of a sight optically reproducing an image of the field in the line of fire of the gun, means for adjusting the line of fire of the gun relative to the longitudinal axis of the aircraft, means for adjusting the line of sight relative to the longitudinal axis of the aircraft, means responsive to air speed for controlling said last named adjusting means, range indicating means optically reproducing a second image of said field in the plane of the first image and coincident therewith at a predetermined range, means for adjusting the range indicating means, and means including a plurality of push buttons each operable to actuate said first named and last named adjusting means simultaneously to a different predetermined setting.

2,482,700
PILOT FOR HORIZONTAL POT BURNERS
Harland A. Yauger and George W. Goette, Albert Lea, Minn., assignors to American Gas Machine Company, Albert Lea, Minn., a corporation of Minnesota
Application January 5, 1944, Serial No. 517,022
6 Claims. (Cl. 158—91)



1. A combination pilot and vaporizing device for pot-type liquid fuel burners of the structure having an open front end and a plurality of circumferentially distributed primary air inlet passages in the body thereof and secondary air admission means disposed adjacent the open end of the pot, comprising a relatively small, independent vaporizing pan adapted to be mounted adjacent the axis of the burner pot and adjacent the rear end thereof, a fuel supply conduit communicating with the interior of said pan, an air distributor housing traversing and covering a substantial portion of the top of said pan and having air supply means communicating therewith, said housing having a multiplicity of air discharge openings spaced throughout the area of the bottom thereof and positioned to direct air downwardly against the closely adjacent surface of liquid fuel in the bottom portion of said pan.

2,482,701
PITOT HEAD
Rolland L. Anderson, Memphis, Tenn.
Application November 15, 1946, Serial No. 709,899
7 Claims. (Cl. 73—212)



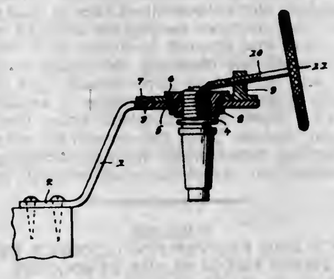
1. A Pitot head of the character described comprising a straight Pitot tube having a forward entrance opening, a casing forming a vertically elongated chamber enclosing the rear portion of the tube, said tube being positioned intermediate the height of the chamber and substantially perpendicular to the vertical axis thereof, the rear portion of the tube being provided with upwardly and downwardly directed ports, and means for connecting the upper region of the chamber with an instrument, there being a drain orifice in the casing adjacent the lowest point of the chamber.

2,482,702
METHOD OF MAKING LONG DRAFT APRONS
Bruce R. Billmeyer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 31, 1941, Serial No. 404,782
6 Claims. (Cl. 154—4)



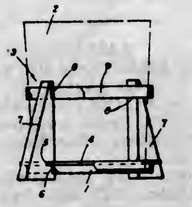
1. In the method of making long draft aprons for use in fiber drawing, the steps which comprise winding a layer of twine helically about a cylinder-forming surface to form a cylindrical body with the twine convolutions disposed substantially at right angles to the axis of the cylinder-forming surface; applying over said body a wearing surface, including as an essential ingredient a synthetic rubber chosen from the group consisting of a polymerized butadiene acrylic nitrile copolymer, a plasticized polyvinyl chloride, a plasticized polyvinyl chloride-acetate copolymer, an olefine polysulfide, and a polymerized chloroprene; wrapping the article so formed with fabric tape to adhere the wearing surface to the cylindrical body of twine; vulcanizing the wearing surface; removing the wrapped tape; and severing said article so formed into long draft aprons with the severing cuts substantially parallel to the direction of the convolutions of twine to provide a structure in which the twine reinforcing is continuous and uncut throughout essentially the whole axial length of the apron.

2,482,703
AVIATION SPARK PLUG ADJUSTING TOOL
Elmer A. Call, Euclid, Ohio
Application September 26, 1946, Serial No. 699,395
4 Claims. (Cl. 153—53)



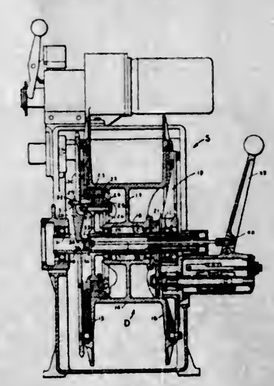
1. In a tool for adjusting spark plug electrodes, a body having a plate with a central hole, a threaded bushing positioned in the hole, said bushing having its threaded portion extending below said plate, and having a flange engaging the upper surface of said plate, a nut threadedly engaging the bushing to hold the bushing to the plate, a washer positioned on the plate and surrounding the bushing, a block on the washer, said block having a threaded aperture, a threaded adjusting rod passing through the aperture, and a second flange on the bushing above the washer.

2,482,704
COASTER AND TRAY
John W. Colficsh, III, Burbank, Calif.
Application June 25, 1946, Serial No. 679,168
1 Claim. (Cl. 65—61)



A coaster for glasses and the like comprising a tray having a bottom with side walls and an outwardly disposed peripheral flange around the upper edge of the side walls, a plurality of radially disposed triangular-shaped posts with vertically positioned inner surfaces and provided with notches in the inner surfaces spaced from the lower ends thereof and also notches in the inner surfaces spaced from the upper ends thereof, said notches spaced from the lower ends having vertical and horizontally disposed sections for receiving the side walls and flange of the tray respectively, and adapted to hold the tray with the bottom thereof spaced from the lower ends of the posts, and a horizontally disposed circular band in vertical spaced relation to and concentric with the tray and positioned in the notches spaced from the upper ends of the posts with the inner surface of the band flush with the inner surfaces of the posts.

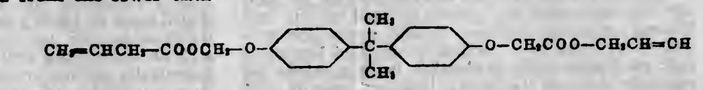
2,482,705
TIME DELAY AND BRAKE RESETTING MECHANISM
Robert B. Cotton, Lansdowne, Pa., assignor to All American Airways, Inc., a corporation of Delaware
Application May 21, 1945, Serial No. 595,039
12 Claims. (Cl. 254—173)



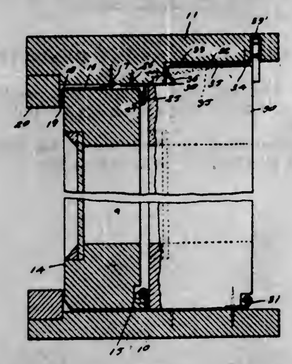
6. In apparatus for controlling the paying out of a cable from a drum, braking instrumentalities operatively associated with said drum and including a brake applying spring, a link normally maintaining said spring out of brake applying position, and mechanism for releasing said link to render said spring effective after the completion of a predetermined number of revolutions of said drum, said mechanism comprising a rotatably mounted shaft formed with ratchet shaped threads, driving connections between said drum and said shaft, a split nut assembly including a nut element having threads complemental to said ratchet threads and normally in engagement therewith, a cam follower connected to said nut element, cam means adapted for engagement by said follower to disengage said nut element from the threads of said shaft, a connection between said link and said split nut assembly, and means for adjusting the position of said cam means.

2,482,706
ALLYL ESTER OF ISOPROPYLIDENE BIS P-PHENOXYACETIC ACID
Harold M. Day, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 27, 1948, Serial No. 56,903
1 Claim. (Cl. 260—473)

The diallyl ester of isopropylidene di(p-phenoxyacetic acid) having the formula:

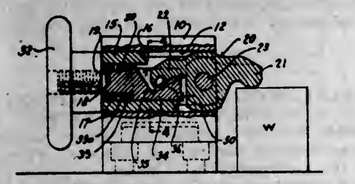


2,482,707
WINDOW CONSTRUCTION
Earl F. Gaines, Milwaukee, and Walter C. Lippert, Madison, Wis.
Application May 1, 1945, Serial No. 591,330
1 Claim. (Cl. 20—69)



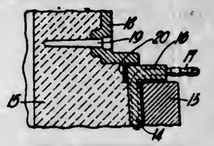
In a window frame having a sash mounted for vertical sliding and horizontal swinging movement, said sash formed with a rabbeted edge on the inner side thereof opposite from the hinge thereon, said rabbeted edge formed with an inwardly opening depression along the length thereof, a metal strip secured to said frame and formed with a resilient detent adapted for engagement in said depression for weather stripping the inner edge of said sash in the sliding position in said frame, and another spring device comprising a pair of co-extensive elongated flat resilient members disposed in confronting position, means securing said members along one longitudinal edge to said frame in confronting position to a vertical edge of the sash thereof, the inner of said members engaging the frame and terminating in a bowed portion engageable by the outer member, the second member normally being deflected away from said bowed portion and engageable with the adjacent vertical edge of the sash to provide a weather seal.

2,482,708
PLUNGER ACTUATED HOLD-DOWN CLAMP
Ralph E. Gordinier, Detroit, Mich., assignor to Special Engineering Service, Incorporated, Detroit, Mich., a corporation of Michigan
Application June 29, 1944, Serial No. 542,759
2 Claims. (Cl. 144—290)



1. A production clamp comprising a base having an elongated horizontal opening therethrough, a plunger in the form of a self-contained cartridge unit slidably mounted in said opening and having a recess formed in one end thereof, a lever mounted in said recess for pivotal movement in a vertical plane and having a pair of downwardly projecting hook portions on opposite sides of its pivotal support, one of said hook portions being arranged to extend out of the opening in said base and the other hook portion extending into said recess, a slide member in said recess having a threaded shank projecting out through the end of said plunger remote from said lever, a hand wheel threadedly engaged with said shank and having a bearing surface arranged to bear against the adjacent end face of said plunger, said slide member having an inclined surface at the inner end thereof co-acting with and disposed beneath the inwardly extending hook portion of said lever so as to pivot said hook portion upwardly when the slide member is actuated by said hand wheel in a direction away from said lever and thereby pivot the outwardly extending hook portion downwardly with a clamping pressure against an object disposed beneath it.

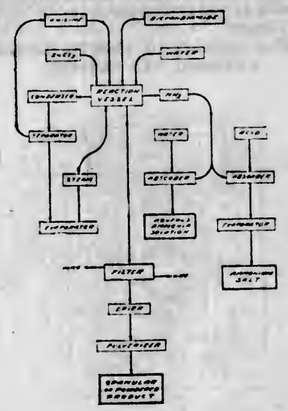
2,482,709
DEVICE FOR PREVENTING CINDER ERUPTIONS FROM BLAST FURNACES
Herbert G. Hard, Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
Application March 30, 1948, Serial No. 17,997
5 Claims. (Cl. 266—32)



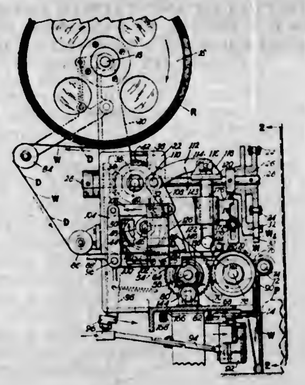
1. In a blast furnace wherein the tuyère jacket is supported on the water cooled jacket that surrounds the hearth, a device for preventing cinder eruptions through the plane of contact between the jackets comprising an annular flange depending from the tuyère jacket and fitting within the water cooled jacket.

2,482,710
PROCESS OF REACTING DICYANDIAMIDE AND ANILINE
David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 24, 1945, Serial No. 584,628
1 Claim. (Cl. 260—249.5)

A process which comprises heating, under substantially anhydrous conditions at ordinary pressure, about equimolecular proportions of aniline and dicyandiamide in the presence of 2%, based on the weight of dicyandiamide, zinc chloride as a catalyst at temperature and for a time sufficient to liberate a substantial quantity of ammonia, whereby part of the aniline reacts with the dicyandiamide and ammonia is evolved, absorbing the ammonia which is evolved in an aqueous medium containing a strong mineral acid, whereby an aqueous solution of ammonium salt of said acid is formed, evaporating said solution to recover a solid ammonium salt, steam-distilling the non-gaseous reaction products of the dicyandiamide and the aniline to remove unreacted aniline, condensing the vapors obtained by steam distillation to form a condensate, separating said condensate into an essentially aqueous fraction and an essentially aniline fraction, utilizing said essentially aniline fraction for reaction with further quantities of dicyandiamide and evaporating said essentially aqueous fraction to form steam which is used for steam distillation of further quantities of reaction products obtained by the reaction of dicyandiamide and aniline, in accordance with the process of this claim.



2,482,711
END-LABELING ATTACHMENT
Thormod Jensen, Laurelton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application December 12, 1945, Serial No. 634,524
8 Claims. (Cl. 216—30)



4. In a labeler, the combination with means for intermittently feeding a continuous web of label material by constant increments, said web bearing printed indicia which are equally spaced along the length of the web at intervals which are shorter than the increments by which said web is fed by said means, of devices for forming notches in the lateral edges of the web while the movement of the web is interrupted, a photoelectric control which is responsive to the movement of indicia on the web into predetermined position, for stopping the web feeding means while said devices form notches in the web, a knife for severing the web across the notches to form labels whose corners are cut away, and mechanism for applying the severed labels to a package.

2,482,712
BEATER ROLL
Dwight E. Jones, Pittsfield, Mass., assignor to E. D. Jones & Sons Company, Pittsfield, Mass., a corporation of Massachusetts
Application September 27, 1945, Serial No. 618,915
3 Claims. (Cl. 92—22)



3. A roll construction comprising in combination, a cylindrical unitary roll body, axially spaced circumferentially extending rings fixed to the periphery of said body provided with circumferentially spaced bar slots with the slots of said rings in alignment longitudinally of the body, said slots having parallel spaced apart flat faces and extending radially of the body with longitudinal center lines of said slots disposed in planes parallel to and extending through the longitudinal axis of the body, longitudinally extending bars in said slots having flat parallel outer and inner side faces with said outer faces contiguous with one face of said slots, the inner faces of said bars provided with keyways extending longitudinally thereof, inner and outer wedges constituting pairs thereof between inner faces of said bars and other side faces of said slots, said inner wedges having outer faces contiguous with the inner faces of the bars and provided with keys in the keyways of the bars and inner faces diverging relative to said outer faces from outer longitudinal edges thereof inwardly of said slots and radially of said roll, said outer wedges having outer faces contiguous with the other side faces of the slots and inner faces complemental to the inner faces of the inner wedges and converging relative to said outer faces from outer longitudinal edges inwardly of said slots and radially of said roll, said outer wedges adapted for movement inwardly of said slots and radially of the roll into wedging position for a wedging action on the inner wedges and bars to hold the same against outward radial movement, and securing means at outer sides of the slots adjacent the outer faces thereof engaging said rings and outer wedges to hold said outer wedges in wedging position and against outward radial movements, said securing means including screw members threadedly engaging said rings provided with heads engaging upper longitudinal edges of the outer wedges.

2,482,713
ROTARY INTERNAL GEAR PUMP
Walter Jones, Teaneck, N. J., assignor, by mesne assignments, to Bergen Engineering and Sales Corporation, Hackensack, N. J., a corporation of New Jersey
Application June 27, 1944, Serial No. 542,312
7 Claims. (Cl. 103—126)

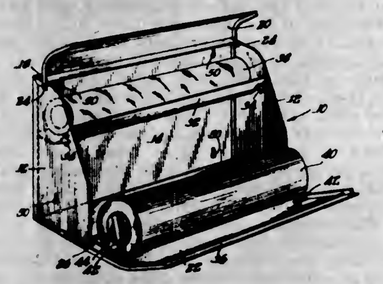
1. The combination, with a rotary gear having an outer toothed perimeter, an annular rotary gear of greater internal diameter than and surrounding the first gear and having its inner perim-

eter toothed and in mesh with the toothed perimeter of the first gear, one gear being a driving gear and the other an idle gear, a barrier occupying the crescent-shaped space between the gears and isolating one end portion of said space from the other and having surfaces in wiping contact with the series of teeth of the respective gears, and bearing members engaging the outer perimeter of the idle gear at portions thereof both sides of a plane coincident with the axes of the gears,



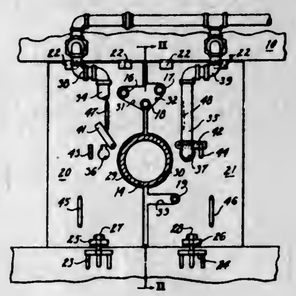
of a housing containing the parts formed by said gears, barrier and bearing members and in which the driving gear is journaled and having ports leading to said end portions of said space and also having walls respectively coacting with said parts to seal off liquid flow between each wall and each such part, said housing having guideways for the bearing members extending parallel with said plane.

2,482,714
PAPER DISPENSER
William E. Mell, Chicago, Ill., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill., a corporation of Delaware
Application July 19, 1947, Serial No. 762,067
13 Claims. (Cl. 242—55.4)



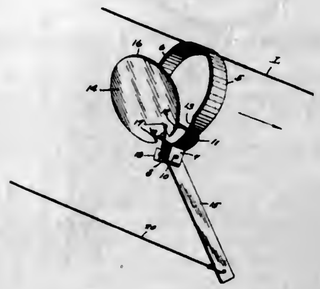
1. A device for dispensing sheet material such as paper in roll form, including a container, said container having an upper and a lower chamber, each arranged to accommodate a roll of sheet material, a tiltable cover for the upper chamber, a tiltable cover for the lower chamber, said tiltable covers being tiltable in opposite directions, the free margins of said covers being adjacently positioned when said covers are closed but permitting the passage therebetween of sheet material from a roll in the upper chamber, means associated with the lower chamber for rotatably supporting a sheet material roll, the bottom of the container having an opening to permit withdrawal therethrough of sheet material stock from the lower chamber, and means in the vicinity of said opening providing an edge against which sheet material from a roll in the lower chamber may be engaged for tearing.

2,482,715
TUYÈRE SHIELD
Earl C. Miller, McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application January 20, 1948, Serial No. 3,330
8 Claims. (Cl. 266—26)



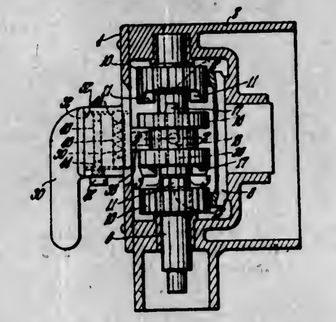
5. In combination with a blast furnace, a tuyère shield comprising a pair of doors slidably mounted on the tuyère jacket at the exterior of the furnace wall, and releasable means for locking said doors in closed position, said doors having mating edge recesses adapted to receive the tuyère pipe and passages to receive coolant pipes, said doors opening by sliding movement in opposite directions away from the tuyère pipe.

2,482,716
SNAG PULLER AND TACKLE SAVER
Edward A. Noelcke, St. Petersburg, Fla.
Application August 27, 1948, Serial No. 46,535
1 Claim. (Cl. 43—30)



A device of the class described comprising a clamping ring, said clamping ring being split, ears extending from the clamping ring, guard fingers formed on the clamping ring on opposite sides of the split therein, a clamping disc adapted to be swung into the ring to clamp a fishing line therebetween, an operating lever integral with and extending from the clamping disc, pivot means for the operating lever extending through the ears and said lever, said guard fingers adapted to be moved toward each other into engagement to close the ring to prevent a fishing line extended therethrough from moving out of the ring, and a flexible element secured to the operating lever.

2,482,717
DRIVING HEAD FOR WRINGERS
John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application December 13, 1945, Serial No. 634,738
1 Claim. (Cl. 74—376)



A driving head construction for wringers comprising in combination, a housing having upper and lower aligned bearings for a vertical drive shaft with adjacent inner ends in spaced relation and a side bearing for a driven gear rotatable on on a horizontal axis, a drive shaft rotatable in said aligned bearings, drive pinions independently rotatable on said drive shaft, said drive shaft provided with spaced annular grooves and snap rings in said grooves abutting inner ends of said pinions and holding and locating the same with their outer ends adjacent inner ends of the aligned bearings and their inner ends spaced apart, a gear rotatable in said side bearing having teeth in operative engagement with said pinions, a clutch member having an outer annular groove therearound reciprocable on said drive shaft and slidable driving connections between said member and drive shaft, certain of the teeth of said pinions extending inwardly from inner ends thereof, said clutch member being reciprocable from a central neutral position in opposite directions to operative positions above and below said neutral position and provided with projections on opposite ends thereof engageable with the inwardly extending teeth of the pinions when in an operative position, an operating member oscillatable in said housing on a certain axis having a projection disposed eccentrically relative to said axis, an elongated block in the groove of the clutch member rotatably receiving said projection, and a spring detent in said housing engageable with said operating member for holding it in various positions.

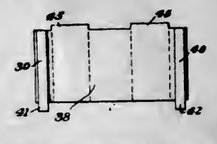
2,482,718
FISH LANDING NET
Guy Raymond Oathout, Fort Atkinson, Wis.
Application January 27, 1947, Serial No. 724,553
1 Claim. (Cl. 43—12)

In a landing net, a handle, a split hoop to which a net is secured, said hoop embodying right-angled parallel ends having notches in the adjacent inner sides thereof, a removable connecting member connecting the handle and hoop, said connecting member having spaced bores extending inwardly from one end thereof, within which the ends of the split hoop are positioned, said connecting member having a threaded bore disposed at right angles to the spaced bores between the spaced bores and communicating with said spaced bores, the notches of the ends of the hoop falling opposite to the threaded bore when the ends of the hoop are positioned within the bores,



and a set screw fitted in the threaded bore in contact with the walls of the notches, securing the ends of the hoop against displacement within said bores.

2,482,719
BUILDING BLOCK
Victor A. Rigaumont, Pittsburgh, Pa.
Application January 6, 1944, Serial No. 517,155
2 Claims. (Cl. 72—38)

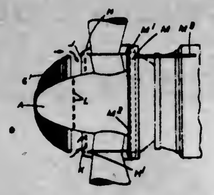


1. A building block comprising a body having two opposite ends and four lateral sides defining a right rectangular prism, a pair of spaced ribs projecting integrally from two contiguous lateral sides of said body, and a plurality of spaced keys keys projecting integrally from the other two lateral sides of said body, said ribs and keys all extending parallel to said opposite ends of the body, one rib being adjacent one of said ends and the other rib being adjacent the other of said ends, and said keys being spaced substantially further inwardly of said ends than said ribs, and the projection of said ribs from said body being greater than the projection of said keys from said body, whereby a series of such blocks in a wall are in contact with each other only where the ribs of the respective blocks are in contact with the lateral sides of adjacent blocks, the keys of each block being entirely out of contact with any portion of the adjacent blocks.

2,482,720
PREVENTION OF ICE FORMATION IN AIR INTAKES ON AIRCRAFT AND OTHER FAST-MOVING VEHICLES
Herbert Sammons, Gerrards Cross, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application February 13, 1948, Serial No. 8,165
In Great Britain January 13, 1947
Section 1, Public Law 690, August 8, 1946
5 Claims. (Cl. 244—134)

1. Apparatus for preventing ice particles from being carried by air flowing into the air intake in propulsion apparatus of the type indicated comprising in combination a main air intake passage leading to the propulsion apparatus, a pervious structure constituting a guard positioned in front of the opening into the air intake and through which air can flow directly into the intake until the passages through the guard are iced up and the direct air flow is obstructed, an

annular intake opening behind the guard through which air can flow into the said main intake passage when the flow through the said guard is ob-



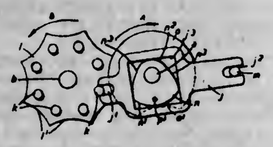
structed, and means for delivering hot gas into the air which flows past the said guard structure into the intake.

2,482,721
BAIT RETAINER FOR FISHHOOKS
Arthur Roy Sigmundi, Cedar Rapids, Iowa
Application August 18, 1947, Serial No. 769,104
2 Claims. (Cl. 43—27)



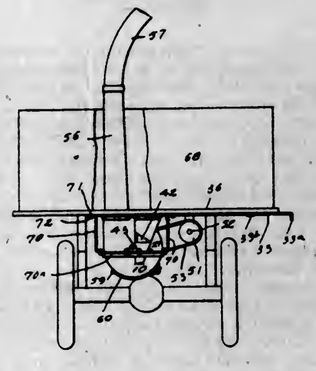
1. A fishhook having a hook member, a shank integral at one end therewith, and a line-attaching eye at the other end of the shank, in combination with a bait-holding coil surrounding the shank adjacent the hook member, said coil having a shank which is integral with the eye and extends along the hook shank, is closely adjacent thereto and holds the coil spaced from the hook shank and adjacent the hook member.

2,482,722
MECHANISM FOR PRODUCING INTERMITTENT ROTARY MOTION
George Stanley Tarry, Leicester, England
Application February 27, 1943, Serial No. 11,553
In Great Britain July 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 13, 1965
6 Claims. (Cl. 74—436)



1. Mechanism for producing intermittent rotary motion comprising, in combination, a support, a bearing in said support, a spindle mounted for rotation intermittently in said bearing, a wheel which is secured on said spindle, pins fixed in the wheel, a slotted lever formed for cooperation with said pins, a fixed pivot element located on the support remote from the axis of the pin wheel, said pivot element being engaged with a slot in the said lever, a continuously driveable spindle mounted for rotation in the support, rotary means which are mounted with the last mentioned spindle and adapted for action upon surfaces on the slotted lever to impart to the latter movement longitudinally first in one direction and then in the opposite direction respectively to engage and withdraw from engagement with a pin, and, conjointly with such longitudinal movements, movement angularly in one direction to displace the said pin and in the reverse direction to its original position preparatory to engagement with the next pin and so on, and a locking wheel which is mounted to rotate together with the aforesaid rotary means and is adapted for cooperation with the pin wheel suchwise as to lock the latter during its idle periods and release it for turning at required times.

2,482,723
GRAIN BLOWER
Halbert C. Wallace, Fargo, N. Dak.
Application April 29, 1946, Serial No. 665,763
2 Claims. (Cl. 302—37)



1. A grain blower comprising a fan housing having vertical side walls, a horizontally disposed shaft rotatable within said housing at right angles to said side walls, radially extending fan blades secured to said shaft, a hopper disposed above said housing including a pair of downwardly convergent side walls forming a grain guiding passage on each side of said housing and fixed to said housing side walls below said shaft and adjacent to the vertical projection thereof, an opening formed in each of said housing side walls adapted to communicate said grain guiding passages with the interior of said housing for admitting grain into the latter, an air duct carried by each of said downwardly convergent side walls opening into said fan housing below said grain admitting openings, a common inlet mouth for said hopper, and a sliding valve carried by said inlet mouth.

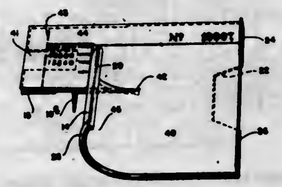
2,482,724
DEOXYGENATION PROCESS
Dwight L. Baker, Chicago, Ill., assignor to Ben L. Sarett, Chicago, Ill.
No Drawing. Application July 22, 1944, Serial No. 546,214
13 Claims. (Cl. 99—186)

1. The method of removing free oxygen from food wherein said oxygen is dissolved, which comprises incorporating in said food a stoichiometric excess of glucose, glucose oxidase, and catalase, and maintaining said food below 60° C. until said oxygen is consumed.

2,482,725
PRODUCTION OF VINYL ETHER AND ITS HOMOLOGUES
Peter Lionel Bramwyche, London, and Martin Mugdan, Richmond, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
No Drawing. Application December 4, 1946, Serial No. 713,922. In Great Britain December 12, 1945
18 Claims. (Cl. 260—614)

5. A process for the production of a vinyl ether which comprises subjecting an acetal to thermal dissociation in the presence of vapour of a strong mineral acid as catalyst selected from the group consisting of sulphuric acid, sulphur trioxide and the hydrogen halides, said catalyst being present in the proportion from about 0.1 to about 1.5 molar per cent of the acetal.

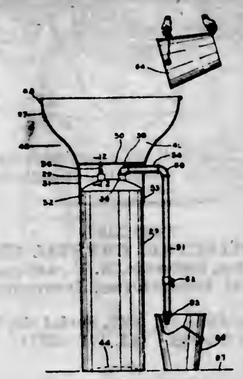
2,482,726
ADAPTER FOR SCALE TICKETS
William E. Clements, Ogden, Utah, assignor to General Mills, Inc., a corporation of Delaware
Application December 26, 1944, Serial No. 569,889
3 Claims. (Cl. 101—407)



1. An adapter for a recording scale having a printing device, a slot for insertion of a ticket portion in register with the printing device and a ledge extending laterally of the slot, the adapter comprising a stiff sheet member having a flat extension inserted in the slot to guide a ticket portion into the slot, a portion of the adapter adjacent the extension being curved away from the slot to fold an adjoining ticket portion out of the plane of the slot, and a retaining lug on the sheet member engaging the ledge to prevent withdrawal of the adapter, the extension being narrower than the slot, and the lug having sliding engagement with the ledge for movement of the adapter laterally along the ledge to one side of the slot to record the gross weight and to the other to record the tare.

2,482,727
APPARATUS FOR PROVIDING SOFT WATER WHERE NO WATER PRESSURE SYSTEM EXISTS
Emmett J. Culligan, San Bernardino, Calif., assignor to Culligan Zeolite Company, Northbrook, Ill., a firm
Application October 7, 1946, Serial No. 701,648
2 Claims. (Cl. 210—24)

1. In combination with an enclosed tank containing a water softening material of the base exchange type, a first conduit extending through the top of said tank having a right-angled part extending to outside the limits of the tank, a removable receiver for detachable mounting on the top of said tank consisting of a funnel-shaped member, the lower portion of said member having an open-ended slot formed therein to permit vertical passage of the member over said part, a second conduit extending through the top of the tank and into the water-softening material in the tank a partition extending transversely across the interior of said member, a third conduit extending downwardly from said partition and positioned to aline with said second conduit and formed of a diameter which is less than that of



the second of said conduits to permit vertical entry of said third conduit into said second conduit, and a resilient annular gasket positioned in said second conduit and cooperable with the outer surface of said third conduit to form a liquid-tight seal between said conduits when said receiver is mounted on the tank.

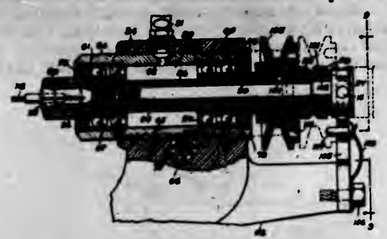
2,482,728
DYED HYDRATED OXIDE COATINGS ON MAGNESIUM AND MAGNESIUM-BASE ALLOYS
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 12, 1946, Serial No. 715,636
1 Claim. (Cl. 148—6.1)

In a method of coloring a hard, dense, thin hydrated oxide protective coating upon surfaces of articles of magnesium and magnesium-base alloys, the steps which comprise immersing the coated article in a solution consisting per liter thereof of water, a water-soluble dye, an alkali, about 1 to 20 grams of boric acid, about 1 to 50 grams of a water-soluble chromate selected from the group consisting of sodium, potassium, and ammonium chromate, said solution having a pH between about 6 and 9.

2,482,729
MILLING MACHINE
William Dyus, West Islip, N. Y.
Application December 2, 1943, Serial No. 512,563
4 Claims. (Cl. 90—11)

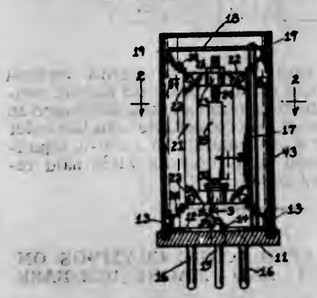
1. In a machine tool, a stationary support, an axially movable spindle assembly mounted in said support, a rotary hollow shaft extending in a transverse bore in said support, said assembly having a gear rack, a gear on said shaft meshing with said rack, a clamping bolt extending through said shaft, a nut fixed to said support in threaded engagement with the inner end of said bolt, said support embodying a clamping portion, means on the shaft operable to rotate said shaft to move the spindle between an advanced position and a

retracted position through the intervention of said rack and gear, and means on said bolt oper-



able to turn said bolt to exert pressure on said clamping portion to clamp the spindle in position.

2,482,730
PIEZOELECTRIC CRYSTAL UNIT
Floyd W. Flynn, Bellerose, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application June 23, 1947, Serial No. 756,479
10 Claims. (Cl. 171—327)

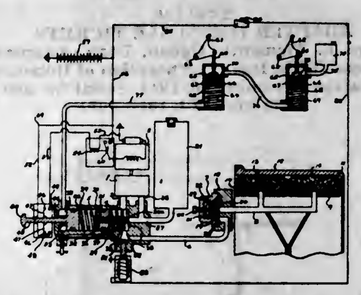


1. A piezoelectric crystal assembly comprising a piezoelectric oscillator plate, a support, a frame member resiliently secured to said support, inwardly projecting clamping means carried by said frame member and engaging opposite edges of the oscillator plate in the median plane of said plate parallel to the major faces thereof, said median plane being transverse to the plane of the frame member, and deformable material carried on the plate edges at the points of engagement of said clamping means therewith.

2,482,731
MANUFACTURE OF NATURAL CASINGS
James Gemeck, St. Joseph, Mo., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 9, 1944, Serial No. 562,735
2 Claims. (Cl. 99—175)

1. In the process of producing improved natural casings from fresh hog intestines wherein the intestines are first cleaned and stripped, the improvement comprising: introducing the intestines into a bleaching brine solution maintained at a temperature of between about 50° F. and 80° F. and having a brine concentration of between approximately 37° and 42° salometer, soaking said intestines in said brine solution for a period of time of between approximately 12 and 48 hours, removing said intestines from said brine solution, washing said intestines with cold tap water for about one-half hour to two hours to remove the blood and salt from said intestines, stripping said intestines, introducing said intestines into a second bleaching brine solution maintained at a temperature of between about 50° F. and 80° F. and having a brine concentration of between approximately 37° and 42° salometer, and thereafter soaking said intestines in said second-mentioned brine solution until said intestines are ready for grading, the said brine treatments causing a substantial increase in the yield of high quality small size hog casings.

2,482,732
ELECTROHYDRAULIC BRAKE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application December 29, 1945, Serial No. 638,313
5 Claims. (Cl. 188—152)

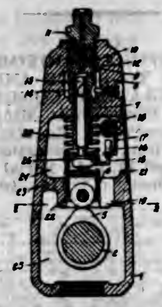


1. An electric-hydraulic brake system for the landing wheels of airplanes and the like comprising a hydraulic brake, a supply of brake fluid located directly adjacent said brake, an electric operated hydraulic pump, conduit structure hydraulically connecting said brake, pump and supply, remotely located manually actuated fluid displacement means, valve structure, a hydraulic connection between said means and said valve structure for actuating the latter hydraulically, a by-pass between said pump and said supply regulated by said valve structure to selectively direct hydraulic pressure into said brake, an electric circuit for selectively operating said pump including a switch, and means hydraulically actuated by said fluid displacement means for operating said switch.

2,482,733
FUEL INJECTION PUMP
Martin Leonard Johansson, Enskede, Sweden, assignor to Injecter Company Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application July 8, 1947, Serial No. 759,561
In Sweden July 13, 1946
3 Claims. (Cl. 103—41)

1. A fuel injection pump of the plunger type comprising an integral one piece housing providing a plunger chamber and a cam shaft chamber, said chambers being separated by a partition forming a part of said housing, a reciprocable plunger located in said housing with its outer end in the plunger chamber, said plunger being rotatable about its longitudinal axis to control the amount of fuel delivered by the pump and having a laterally extending control element associated therewith adapted to engage a control member in the plunger chamber for turning the plunger, a tappet located in a bore through said partition for moving said plunger, and a cam

shaft located in the cam shaft chamber and having a cam for actuating said tappet, said partition having a laterally extending recess communicating with said bore, whereby to per-



mit said plunger and associated control element to be assembled in operative position in said plunger chamber by being passed through said partition from the cam shaft chamber.

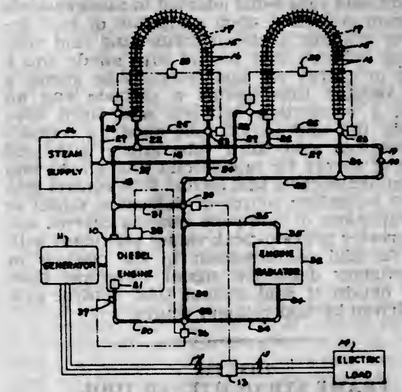
2,482,734
APPARATUS FOR ANNEALING COMPOSITE GLASS ARTICLES
Ronald J. McKenzie and Addison B. Scholes, Danvers, and Stanley E. Lull, Salem, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 3, 1945, Serial No. 580,770
2 Claims. (Cl. 49—47)



1. In an annealer for composite glass and metal articles: a refractory enclosure; a conveyor for carrying said articles through said enclosure; gas burners in said enclosure near the entrance thereof; and a radio frequency loop in said enclosure near the exit thereof, said burners and said loop being disposed parallel to but spaced from the path along which said articles are carried by said conveyor.

2,482,735
AIR-HEATING SYSTEM
Irving S. Ritter, Sharon, and Frank W. Morley, Westwood, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1947, Serial No. 752,340
4 Claims. (Cl. 237—5)

2. An air heating system for using heat from the jacket cooling liquid of a liquid cooled, internal combustion engine having a speed adjusting throttle, comprising liquid supply piping connected to the cooling liquid outlet of the engine, liquid return piping connected to the cooling liquid inlet of the engine, an air heating pipe connected at one end to said supply piping, and at its other end to said return piping, a by-pass pipe connected between the ends of said heating pipe, a valve in said by-pass pipe for regulating the flow of liquid therethrough, thermostatic means responsive to the temperature in the space to be heated for adjusting said valve, an engine radiator, piping so connecting said radiator to said return piping that a portion thereof forms a by-pass around the radiator, a valve in said portion for adjusting the volume of liquid by-passed around the radiator, means responsive to the temperature of the liquid at the engine for adjusting said last mentioned valve towards closed position, and for advancing said throttle when the temperature of the cooling liquid increases to the engine operating temperature, a by-pass pipe connected to

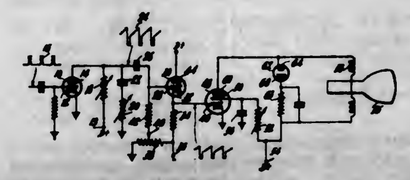


said supply piping between the engine and said air heating pipe, and connected to said return piping between the air heating pipe and the radiator, a valve in said last mentioned by-pass pipe for opening and closing same, and means actuated when the engine reaches operating speed for adjusting said last mentioned valve to close said last mentioned by-pass pipe.

2,482,736
DRYING OIL PRODUCTS AND PROCESS OF MAKING SAME
John B. Rust, Montclair, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application October 7, 1944, Serial No. 557,729
14 Claims. (Cl. 260—404.8)

1. The process of heating a drying oil and a beta-unsaturated monohydric alcohol ester of a 1,2,3,6-tetrahydrophthalic acid, at between 200° C. and 300° C. whereby the drying oil is improved as regards color-stability, gel time and drying time.

2,482,737
TELEVISION RECEIVER HORIZONTAL DEFLECTION
Hubert Shaw, Drexel Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1948, Serial No. 26,965
7 Claims. (Cl. 315—27)



1. In a deflection system for a cathode ray tube having a deflectable beam of electrons therein, a primary source of deflection signal, a first

and second vacuum tube, each having a cathode, an anode, and a control grid, a circuit communicating the deflection signal derived from said primary source to said first vacuum tube control grid, an impedance connected in the cathode circuit of said first vacuum tube to provide a secondary source of deflection signal, an electromagnetic deflection yoke having a winding, said yoke being adapted to cause cathode ray beam deflection upon excitation of said deflection winding, a circuit connecting said yoke winding between said second tube anode and a source of energy for said second tube anode, a third vacuum tube having a cathode and an anode, a connection between said third tube cathode and said second tube anode, a connection between said third tube anode with said source of energy for said second tube anode, and a circuit connecting said second tube control grid to said secondary source of deflection signal so that variations of said yoke winding current will have greater peak-to-peak values attendant with more faithful conformation to the contour of said primary deflection signal waveform than would obtain if said second tube control grid were driven by said primary source.

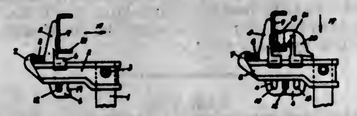
2,482,738

FRAME STRAIGHTENER TOOL

Roy D. Smith, Meytsch, Tex., assignor to Bee-Line Company, Scott County, Iowa, a copartnership

Application December 4, 1945, Serial No. 632,621

10 Claims. (Cl. 153—32)



1. A tool for use with a frame straightening machine in the straightening of motor vehicle frames, comprising a standard for attachment to the frame machine, a crossbar secured to said standard, a frame-engaging head having downwardly extending legs straddling said crossbar with its legs extending below the top thereof, another leg provided with an opening for the reception of a securing pin, said other leg extending through a longitudinal slot in said crossbar, and a tapered securing pin passing through said opening and drawing the head downwardly into tight engagement with the crossbar whereby to hold the head in laterally adjusted position.

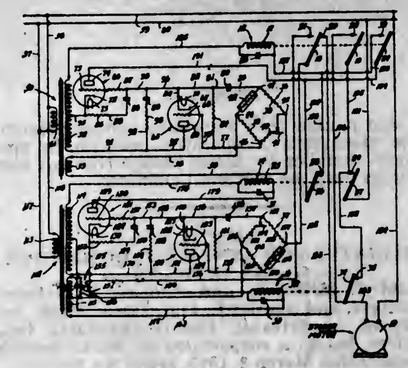
2,482,739

AUTOMATIC STOKER MOTOR CONTROL RESPONSIVE TO SPACE AND COMBUSTION TEMPERATURE CONDITIONS

John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 18, 1945, Serial No. 589,035

19 Claims. (Cl. 110—101)

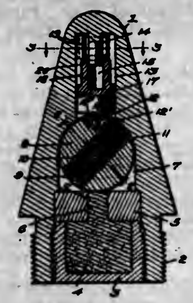


1. In apparatus for controlling a stoker motor associated with a stoker fired furnace, an impedance network including a source of power and a combustion responsive impedance element, an amplifier connected to the output terminals of said network, motor controlling means including a relay controlled by said amplifier for causing operation of the stoker motor whenever the impedance of the combustion responsive element of said network changes beyond a first predetermined value, and further responsive means connected in circuit controlling relationship with said impedance network and said motor control means to initiate automatic operation of said motor controlling means upon a condition indicative of the need for operation of said motor controlling means.

ABSTRACTS OF APPLICATIONS

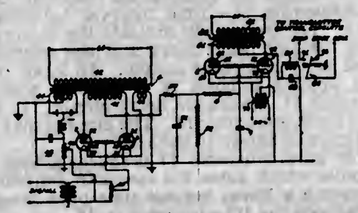
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and making copies. The applications are not printed.

526,424. **DETENT MECHANISM.** Henry H. Porter, Silver Spring, Md., assignor to the United States of America, as represented by the Secretary of War. Filed Mar. 14, 1944. Published Sept. 20, 1949. Class 102—79.



An impact fuse containing an explosive charge, a rotor in said fuse provided with a cavity in the periphery thereof and a bore containing an ignition charge, a firing pin above said rotor normally engaged in said cavity and holding the rotor and charge therein out of alignment with said explosive charge, and detent means between the firing pin and front end of the fuse adapted to be operated by centrifugal force to permit forward movement of the firing pin and the withdrawal of said firing pin from said cavity to arm the fuse.

559,552. **ELECTRICAL TIME DELAY RELAY.** George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware. Filed Oct. 20, 1944. Published Sept. 20, 1949. Class 175—320.



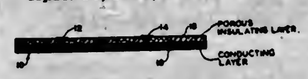
This application discloses electromagnetic switch means 86 for turning a transmitter (not shown) on and off by means of a control signal applied through transformer 1. The coil 84 of the electromagnetic switch 86 is energized by grid-controlled rectifier tubes 6 and 7 the plates 62 and 72 of which are connected to transformer secondary 81 and the cathodes 63, 73 of which are connected to one end of relay coil 84, the other end of coil 84 being connected to the midpoint of secondary 81. The grids 61, 71, and cathodes 63, 73 are connected across a time-delay network including capacitor 51 and resistor 52. Resistor 8 and capacitor 9 constitute means to prevent parasitic oscillations. The time-delay network is connected to the output of a gaseous-type-tube rectifier system which includes tubes 2 and 3 the plates 21, 31 of which are connected across secondary 41 of power transformer 4, and the cathodes 22, 32 of which are connected to the lower side of capacitor 51. The upper side of capacitor 51 is connected through the resistor 50 to the midpoint of secondary 41. The grids 23 and 33 of gas tubes 2 and 3 are connected to the tap on a voltage divider 15 which in turn is connected (1) across a signal transformer 1 and (2) to a tap on a voltage divider 46 which is connected across the output of a rectifier 45 so that the lower end of the voltage divider is at a positive polarity relative to its upper end. The lower or positive terminal of the voltage divider 46 is connected to the cathodes 22, 32 of tubes 2 and 3.

Normally, with no incoming control signal at 1, rectifier 45 imposes a cut-off bias on tubes 2 and 3, whereupon these tubes are non-conductive and no charge exists across condenser 51. Consequently tubes 6 and 7 are conductive to energize relay 86 to the left position—cutting off the transmitter (not shown). When signal of 400 to 2200 cycles is applied to input of transformer 1, tubes 2, 3 are rendered conductive to charge condenser 51 to thereby apply a negative bias to tubes 6, 7 to thereby make these tubes non-conducting whereupon relay 86 is de-energized and moves to the right to start the transmitter.

When signal at 1 is terminated, tubes 2 and 3 become blocked and cease to charge capacitor 51 which then slowly discharges through leak resistor 52. If signal at 1 remains off for four minutes, the charge on 51 drops sufficiently to unblock tubes 6 and 7 which then conduct to energize relay 86.

576,866. **FACSIMILE SYSTEM.** Wilton J. Norris, Sparta, Mich., and William S. Jones, Shawnee, Okla., assignors to the United States of America as represented by the Secretary of War. Filed Feb. 8, 1945. Published Sept. 20, 1949. Class 178—13.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A sheet of copy material comprising a layer of conductive paper material 16 having a porous insulating layer 18 deposited thereon, the facsimile copy to be scanned comprising conductive material deposited in the voids of said porous insulating layer.

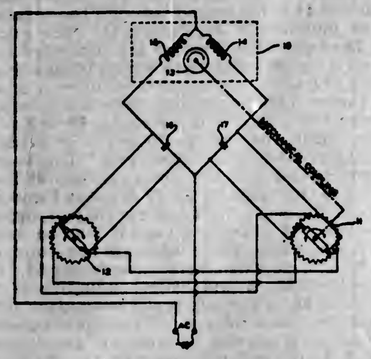
591,745. **ELECTROMECHANICAL SYSTEM.** Samuel Noodleman, Dayton, Ohio, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 3, 1945. Published Sept. 20, 1949. Class 318—28.

The system is an electromechanical system for transmitting mechanical position from one point to another by electrical means.

A two phase alternating current motor 10 is energized from alternating current line 16. The motor winding 14 and a condenser 17 are con-

nected in parallel with motor winding 15 and similar condenser 16. Condensers 16 and 17 have their terminals connected respectively to the movable taps on continuously variable potentiometers 12 and 11. Three equi-spaced fixed taps on the potentiometers 11 and 12 are interconnected. Potentiometer 11 is mechanically connected to the motor shaft while potentioemter 12 is manually positionable.

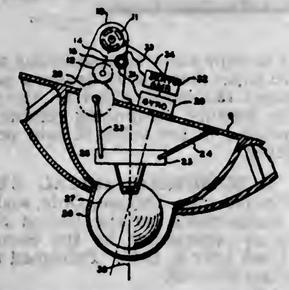
In balance position, as shown, the R-C networks made up of the potentiometers and condensers are of equal impedance and since the motor windings 14 and 15 are also of equal impedance the current flow through the motor



windings is of the same phase. If the brushes of potentiometer 12 are shifted so they no longer correspond with the position of the brushes of potentiometer 11 the balance condition is upset and a phase displacement between the currents in windings 14 and 15 occurs. This causes motor 10 to rotate driving potentiometer 11 until its position corresponds with that of potentiometer 12. At positional correspondence the balance condition of impedances and currents is restored and the motor ceases to operate.

The manual movement of potentiometer 12 has been duplicated by the motor 10 and potentiometer 11. Movement in either direction or continuous rotation may be obtained.

594,257. ELECTROMECHANICAL APPARATUS. Everhard H. B. Bartelink, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 17, 1945. Published Sept. 20, 1949. Class 250—33.65.



This device relates to a stabilizing apparatus adapted for use with airborne radio object-locating equipment. The locating equipment may comprise a parabolic reflector 27 mounted in a radome 26 by means of a movable structure 25 which in turn is pivotally suspended on links such as 22, 24 from a supporting structure 8, rigidly attached to an aircraft. Link 23 is rigidly secured at its upper end to a gear 20. Suitable stabilizing motions are imparted to gear 20 by means of a gear train 14 (including gear 12) and a driving motor 11. The latter is actuated in the proper direction by a voltage applied from a servo amplifier system 32 in accordance with a signal derived from a control unit which comprises rotary control transformer 15 and gyro-Selsyn unit 29.

595,361. ELECTRICAL CIRCUITS. David Gale, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 23, 1945. Published Sept. 20, 1949. Class 175—381.

FIG. 1

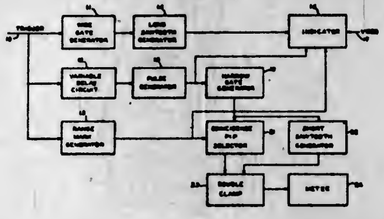
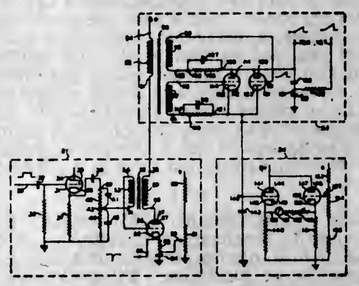


FIG. 2



This application discloses an electronic circuit for measuring the time interval between two pulses. The device will indicate the interval between the last range mark and the selected received pulse in a radar system. An input trigger pulse, applied at point 10, is fed to a wide gate generator 11, a variable delay circuit 12, and a range mark generator 13. The circuits may be of any type well known in the art.

Wide gate generator 11 produces a long voltage pulse which gates the sawtooth generator 14 to produce a linear voltage time base sweep for the cathode ray tube included in 16.

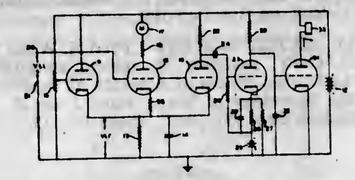
Video or delayed echo pulses are supplied to indicator 16 as shown at 17.

The trigger pulse, also applied to delay circuit 12, is delayed by an amount determined by the setting of its associated controls. The output of 12 is applied to pulse generator 18 to form a sharp voltage pulse which is then applied to indicator 16 to produce an indication on the time base, which may be made to coincide with the signal applied at 17. The output from 18 is also applied to gate generator 19 to supply a gate of predetermined width to sawtooth generator 22 and selector 21. The linearly rising sawtooth wave of 22 is applied to clamp 23. The output of range generator 13, which consists of sharp voltage pulses at fixed intervals of time, is applied to both

indicator 16 and pip selector 21. The output of 21 is a voltage pulse that occurs at the time that one of the range marks is supplied to it. Meter 24 indicates the potential of sawtooth generator 22 when a pulse from 21 is applied to 23.

Pip selector 21, double clamp 23 and meter 24 are shown in detail in Fig. 2. A voltage gate from narrow gate generator 19 is applied to point 20. The gate voltage appears at point 43 and is applied to the grid 56 and tube 57 through the transformer 52. The negative range pulses from 13 are applied to point 66. When a pulse is present on both grid 56 and cathode 58 at the same time current will flow in tube 57 for a period of time of the order of one microsecond or less. The current that flows in tube 57 also is applied to tubes 112 and 101 which act as switches to apply the output of sawtooth generator 22, connected to lines 126—127, across the capacitor 143 when the tubes 101 and 112 are conducting. Capacitor 143 will charge to the potential of the value of the sawtooth at point 126 at the instant that tubes 101 and 112 conduct. The network 24 is simply a voltage measuring arrangement to indicate the voltage across the capacitor 143. Thus if the spacing between the pulse from 13 and the pulse from 18 remain constant, the charge on capacitor 143 will remain the same, while if the spacing varies the charge on 143 will vary.

598,164. BOMB RELEASE CIRCUIT. Richard K. Mosher, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Filed June 7, 1945. Published Sept. 20, 1949. Class 89—1.5.



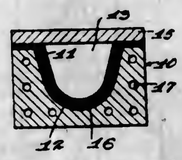
An aircraft bomb release circuit is comprised of means for establishing a d-c potential of an amplitude to represent the time interval required for the bomb to fall from the craft to the target and means for establishing an a-c potential having an amplitude representing the time which is to elapse before the bomb strikes the target. Also provided are means for comparing these potentials to establish a potential representing their differences or time-to-go in order to determine the instant of release of the bomb. Means are also provided comprising a d-c amplifier for actuating the release of the bomb when the two amplitudes are equal.

604,060. COMMUNICATION METHOD. Donald G. C. Hare, Greenvale, and John N. Adkins, Great Neck, N. Y., assignors to the United States of America as represented by the Secretary of War. Filed July 9, 1945. Published Sept. 20, 1949. Class 250—6.



In a radio transmitter-receiver system the method of producing the maximum response at the receiver to an intelligence signal for a given average transmitting power which comprises developing a high frequency carrier wave, interrupting the carrier wave at a repetition rate corresponding to the frequency of the intelligence signal, radiating the interrupted carrier wave, the ratio between the duration of the radiated carrier wave d and the period T of the frequency of the intelligence signal as illustrated having a predetermined value K which corresponds to the minimum of the ratio of the average power P2 of the interrupted wave and the average power P1 of a wave which is amplitude modulated one hundred percent with an intelligence signal of an amplitude equal to the amplitude of the intelligence signal of the interrupted wave, which value of K is approximately 0.372, receiving the interrupted carrier wave and demodulating the same.

610,591. METHOD AND APPARATUS FOR MOLDING MATERIALS. Clare E. Bacon, Newark, Ohio. Filed Aug. 13, 1945. Published Sept. 20, 1949. Class 18—19.



This application relates to a low pressure or bag molding process for reinforced plastics, wherein a relatively thin semi-rigid laminate reinforced with a fibrous glass fabric is first formed in a mold to provide a caul sheet by which the mold contour and surface characteristics may be transferred to successively molded articles. The caul sheet is produced by coating the forming mold surface with a suitable stripping compound and laying thereover a laminate comprising sheets of resin impregnated glass fiber fabric to provide the desired thickness. The laminate is then completely cured under the necessary pressure in the mold and then removed in preparation for the first molding operation.

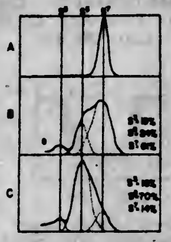
Figure 3 illustrates a mold 10 and a bag 11 arranged within the mold cavity 12. A backing plate 15 provides a seal for the cavity. Material to be molded, indicated at 16, is placed within the mold and the previously formed caul sheet 12 placed thereagainst. The caul sheet is sufficiently flexible to spring back to accommodate the thickness of the molding material. Molding pressure applied by the bag forces the caul sheet against the material thus transferring the mold surface finish to the inside of the molded article, as well as to the outside. The caul sheet may be used repeatedly to impart the mold finish to the inside of the molded articles and thus eliminate the need for the mating mold element.

623,796. PURIFIED HUMAN SERUM GAMMA GLOBULIN. John W. Williams, Madison, Wis., Mary L. Petermann, New York, N. Y., and Wilbur B. Bridgman, Worcester, Mass., assignors to the United States as represented by the Secretary of War. Filed Oct. 22, 1945. Published Sept. 20, 1949. Class 167—78.

The application discloses reducing the viscosity of solutions of gamma globulins and providing a reduction in size of the globulin molecules or antibody units by enzymatic digestion. The procedure comprises adjusting the pH of a solution of fraction II human serum gamma globulin to 3.5–7, adding pepsin, digesting the resulting solu-

tion at 0°–4° C. for about 3 days, adjusting the pH to 5.2 to precipitate a portion of the protein and pepsin, adding ethanol to a concentration of about 0% to precipitate additional protein and pepsin, centrifuging off the precipitated protein and pepsin, adding ethanol to the supernatant to a concentration of about 40% to precipitate the digested globulin and centrifuging to recover the globulin. The precipitations are carried out at −2° to −5° C. Other enzymes like papain and bromelin may be employed in place of pepsin. The gamma globulin solutions may be purified by dialysis against cold .15M NaCl solution containing .3% H_2O_2.

The results of the pepsin digestion are shown in Fig. 1 which is a sedimentation diagram in the ultracentrifuge. In this figure distance from top to bottom in the centrifuge cell is plotted along the X-axis, with scale line displacement on the Y-axis. Relative area under the curves as resolved gives the proportionate amount of normal



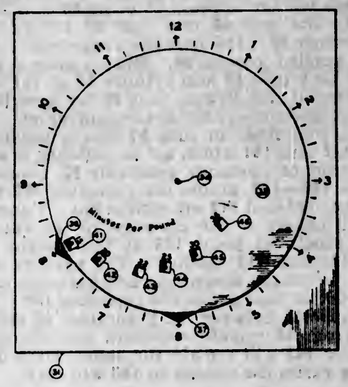
molecules (S^7), molecules of one-half normal size (S^6), and molecules of one-quarter normal size (S^5). All sedimentation curves were obtained from photographs taken 120 minutes after the rotor of the ultracentrifuge had attained the speed of 60,000 R. P. M. Heavier molecules move further down in the cell in any given time interval. The figures 7, 6 and 3 represent cm./sec./unit for field x 10^{13} of movement in the cell for normal, half and quarter molecules respectively. In Figure 1, diagrams A, B and C demonstrate the effect of digesting Fraction II globulins at pH 3.5 with 0.025, 0.050 and 0.100 units of pepsin per gram of globulin, respectively.

Digestions of globulins with papain at pH 5 for 6 days and bromelin at pH 7 for 3 days resulted in compositions having respectively 89% and 81% of the globulins in the S^5 (¼ normal size) range. The resulting concentrated gamma globulins retain most of their important antibody functions (e. g., for scarlatina, influenza, diphtheria), may be more readily filtered and are suitable for intramuscular injection.

633,570. COOKING TIMER. Alan Hill, Lower Merion Township, Montgomery County, Pa. Filed Dec. 7, 1945. Published Sept. 20, 1949. Class 235—86.

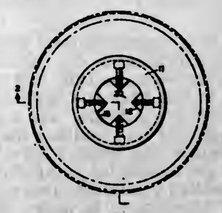
(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A cooking time device for indicating the length of time required to cook a product of a particular weight, comprising a back card having a time dial of hours and divisions thereof marked thereon, a top disc rotatable relative to said card having a plurality of windows therein spirally arranged and coordinated with the time dial to show the relation of a selected zero hour with the time required to cook a predetermined quantity of a product, and an intermediate disc rotatable relative to said card and top disc provided with rows of numerals, concentrically arranged for display through the windows, to indicate weights of the product to be cooked. The discs are pivoted to the card concentrically with the time dial and each is provided with a pointer cooperating with the time dial. In use the pointer 37 of the intermediate disc is set to the starting time, six o'clock in Figure 1, and window 41, in



the top disc, designated 15 minutes per pound cooking time, is brought into registration with the numeral 8, designating the weight of the product to be cooked whereupon the pointer 36 of the top disc indicates the stopping time as eight o'clock, on the time dial.

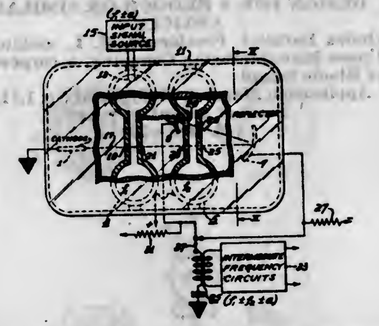
679,138. EXTRUSION DIE. Fred H. Wenz, Hercules, Calif., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed June 25, 1946. Published Sept. 20, 1949. Class 18—12.



A cruciform extrusion die comprising a tubular sleeve 11 and a plurality of removably attached forming strips 12 parallel to the central axis and spaced about the interior wall 13 of said tubular sleeve.

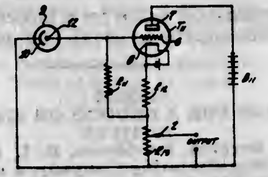
703,091. MICROWAVE SUPERHETERODYNE CONVERTER. Daniel Blitz, Newtonville, Mass., assignor to Radio Corporation of America, a corporation of Delaware. Filed Oct. 12, 1946. Published Sept. 20 1949. Class 250—20.

A superheterodyne converter system comprising a source (15) of microwave input signals, a first cavity resonator (3) coupled (13) to said input signal source for establishing therein a first signal field ($f_1 \pm a$), a second cavity resonator (5) tuned to a different frequency (f_2) than said first field frequency (f_1), a reflector electrode (7), a cathode (1) for projecting an electron beam (17) through both of said resonators (3, 5) to said reflector electrode (7) to modulate the velocity of said beam as a function of the magnitude of said first signal field, means (21) for applying a potential to said reflector electrode for returning a portion of said modulated electron beam from said reflector (7) back into said second resonator (5) as a function of its velocity for establishing by reflex operation therein a second signal field (f_2) for additionally modulating



said projected beam at said different frequency, said returning electron beam being collected (on 5 or 9) to establish potential charges characteristic of the magnitudes of said modulating fields, and means (36, 38) for utilizing said potential charges to provide intermediate frequency signals ($f_1 \pm f_2 \pm a$).

741,080. AMPLIFYING SYSTEM. Adolph R. Morgan, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Apr. 12, 1947. Published Sept. 20, 1949. Class 179—1.

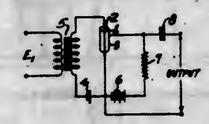


The disclosure relates to an improved coupling device for coupling a high impedance device such as a condenser microphone or a photoelectric cell 8 to an external transmission line or an amplifier, and still have a low impedance for driving the transmission line or the amplifier to which the output voltage of the coupling device is fed.

This is achieved by providing a circuit including an electron discharge device T11, which is connected with the load resistors R11 and R13 in the cathode circuit so that there is negative feedback voltage which results in an effective input resistance considerably greater than R11 and R13 in series. R11 has a range of about 10 megohms and R13 is about 40,000 ohms.

The voltage drop across R13 serves as a polarizing voltage for the high impedance device 8, and eliminates the need for an additional voltage source. The low impedance output is taken across an adjustable portion of R13.

3,219. DIODE AMPLIFIER. George M. Rose, Jr., East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Jan. 20, 1948. Published Sept. 20, 1949. Class 179—171.1A.

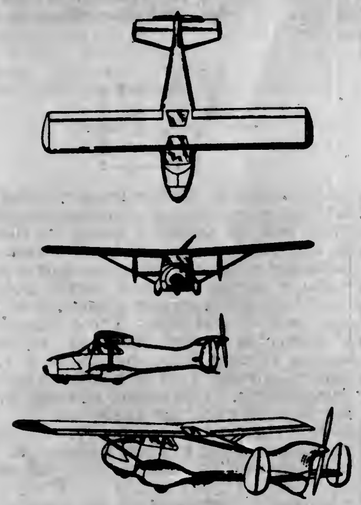


An electronic circuit in accordance with the present disclosure comprises a thermionic tube having a filament and an anode, a source of filament heating current and a signal input means serially connected with said filament, and a circuit comprising a source of anode supply potential and a load impedance serially connected with the discharge path of said tube. There is an output circuit connected across the load impedance. The heating current from the source, 4, causes the filament cathode, 2, to be heated to an operating temperature. Thereupon, an emission current will flow between the anode and the cathode through the load impedance, 7. The anode potential from source, 6, is large enough to place the operation well out on the flat part of the emission curve. If, now, a low frequency alternating voltage is impressed on the filament circuit through the insertion means, 8, it will successively add to and subtract from the filament heating voltage causing a corresponding rise and fall in filament temperature. Since the emission current is an exponential function of the absolute temperature, there will be a substantial rise and fall in such current thus producing an amplified alternating output potential across the load impedance. Due to the thermal inertia of the filament, higher frequencies produce lower amplification than lower ones, thus providing low frequency discrimination. If a direct current insertion means be substituted for the means, 8, and the d. c. blocking condenser, 8, is removed, there is provided a direct current amplifier.

DESIGNS

SEPTEMBER 20, 1949

155,256
DESIGN FOR AN AIRPLANE
Alex Francis Archer, Dayton, Ohio, assignor to The Waco Aircraft Company, a corporation of Ohio
Application September 17, 1947, Serial No. 141,446
Term of patent 7 years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown.

155,257
DESIGN FOR AN EXPANSIBLE CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application May 24, 1949, Serial No. 2,845
Term of patent 14 years
(Cl. D45—4)



The ornamental design for an expansible chain for a bracelet or similar article, substantially as shown.

155,258
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application March 4, 1949, Serial No. 1,215
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown and described.

155,259
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application March 4, 1949, Serial No. 1,216
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown and described.

155,260
DESIGN FOR A CONTAINER CAP
Leonard Baron, Whitestone, N. Y., assignor to Hebar Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1947, Serial No. 139,924
Term of patent 7 years
(Cl. D58—26)



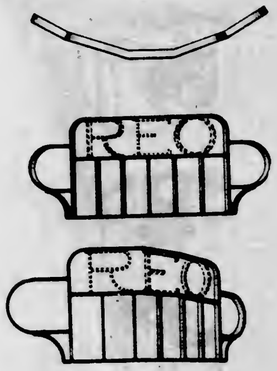
The ornamental design for a container cap, as shown.

155,261
DESIGN FOR A TIRE
William F. Billingsley, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 14, 1948, Serial No. 149,113
Term of patent 14 years
(Cl. D90—20)



The ornamental design for a tire, as shown.

155,262
DESIGN FOR A GRILLE GUARD FOR AUTOMOBILE RADIATORS
Harry Birnbaum, New York, N. Y., assignor to State Welding Works, Inc., New York, N. Y.
Application September 15, 1947, Serial No. 141,399
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for a grille guard for automobile radiators, substantially as shown and described.

155,263
DESIGN FOR A FRAME FOR A MULTINEEDLE SEWING MACHINE
Gustav A. Boettcher, Jackson Heights, N. Y.
Application August 21, 1946, Serial No. 132,683
Term of patent 7 years
(Cl. D70—1)



The ornamental design for a frame for a multineedle sewing machine, substantially as shown and described.

155,264
DESIGN FOR A PHOTOGRAPHIC CAMERA
Jacques Boissy, New York, N. Y.
Application June 14, 1948, Serial No. 146,939
Term of patent 14 years
(Cl. D61—1)



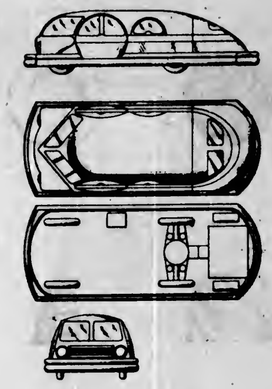
The ornamental design for a photographic camera, as shown.

155,265
DESIGN FOR A COMBINED LIPSTICK HOLDER AND VANITY CASE
Frederick M. Breen, White Plains, N. Y.
Application February 27, 1948, Serial No. 144,764
Term of patent 14 years
(Cl. D86—10)



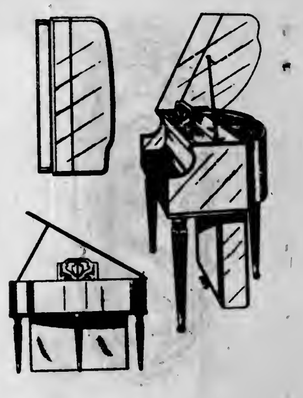
The ornamental design for a combined lipstick holder and vanity case, as shown.

155,266
DESIGN FOR AN AUTOMOBILE
Curt Bretschneider, Philadelphia, Pa.
Application December 6, 1947, Serial No. 143,013
Term of patent 7 years
(Cl. D14—3)



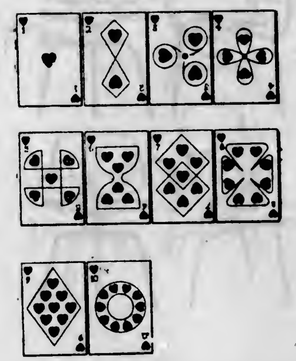
The ornamental design for an automobile, as shown.

155,267
DESIGN FOR A PIANO OR SIMILAR ARTICLE
Alexander P. Brown, Beechhurst, N. Y.
Application April 26, 1947, Serial No. 138,649
Term of patent 14 years
(Cl. D56—9)



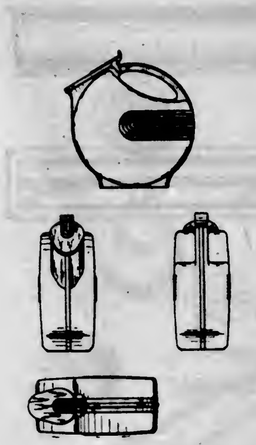
The ornamental design for a piano or similar article, substantially as shown and described.

155,268
DESIGN FOR A PACK OF GAME CARDS
John Brzeski, Chicago, Ill.
Application October 8, 1947, Serial No. 141,799
Term of patent 14 years
(Cl. D34—13)



The ornamental design for a pack of game cards, as shown and described.

155,269
DESIGN FOR AN ICE WATER PITCHER
Clarence M. Burroughs, Glendale, Calif.
Application March 1, 1948, Serial No. 144,860
Term of patent 14 years
(Cl. D44—21)



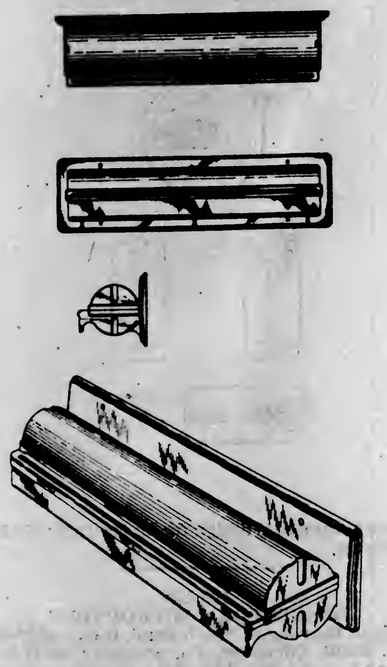
The ornamental design for an ice water pitcher, as shown.

155,270
DESIGN FOR A MICROPHONE
Louis R. Burroughs, South Bend, Ind., and Melvin H. Boldt, Glenview, Ill., assignors to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application August 21, 1947, Serial No. 140,970
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a microphone, as shown.

155,271
DESIGN FOR A PAPER DISPENSER
Walter J. Collard and George W. De Loof, Detroit, Mich.
Application September 17, 1947, Serial No. 141,448
Term of patent 7 years
(Cl. D4—3)



The ornamental design for a paper dispenser, substantially as shown.

155,272
DESIGN FOR A CHAIR
Charles Eames, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 27, 1947, Serial No. 137,925
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a chair, as shown.

155,273
DESIGN FOR A CHAIR
Charles Eames, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 27, 1947, Serial No. 137,927
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a chair, as shown.

155,274
DESIGN FOR A TILT-BACK CHAIR
Charles Eames, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 27, 1947, Serial No. 137,930
Term of patent 14 years
(Cl. D15—1)



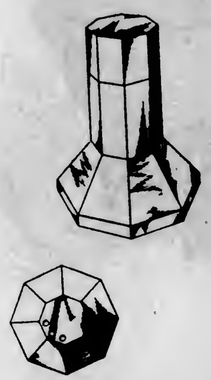
The ornamental design for a tilt-back chair, as shown.

155,275
DESIGN FOR AN EASY CHAIR
Charles Eames, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 27, 1947, Serial No. 137,932
Term of patent 14 years
(Cl. D15—1)



The ornamental design for an easy chair, as shown.

155,276
DESIGN FOR A GRANULAR MATERIAL CONTAINER
Daryll D. Eklund, Council Bluffs, Iowa
Application May 2, 1947, Serial No. 138,748
Term of patent 3½ years
(Cl. D44—22)



The ornamental design for a granular material container, substantially as shown.

155,277
DESIGN FOR A TOY MUSIC BOX
Charles A. Fausel, Glen Ridge, N. J.
Application December 6, 1947, Serial No. 143,010
Term of patent 7 years
(Cl. D34—15)



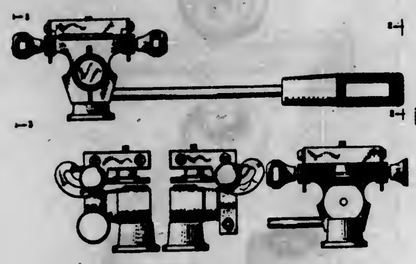
The ornamental design for a toy music box, as shown.

155,278
DESIGN FOR A CANDLEHOLDER
Charles Fischett, South Ozone Park, N. Y.
Application April 12, 1949, Serial No. 1,915
Term of patent 3½ years
(Cl. D48—2)



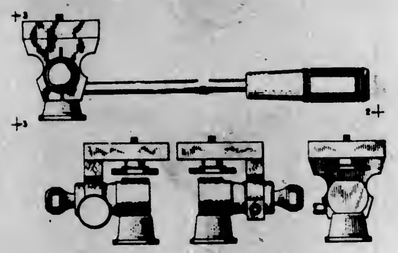
The ornamental design for a candleholder, substantially as shown.

155,279
DESIGN FOR A TRIPOD HEAD FOR A CAMERA OR SIMILAR ARTICLE
Stanley Fleech, Chicago, Ill.
Application February 3, 1949, Serial No. 647
Term of patent 3½ years
(Cl. D61—1)



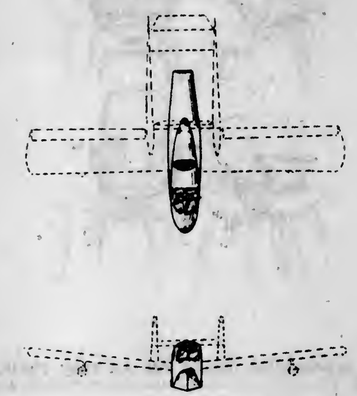
The ornamental design for a tripod head for a camera or similar article, substantially as shown.

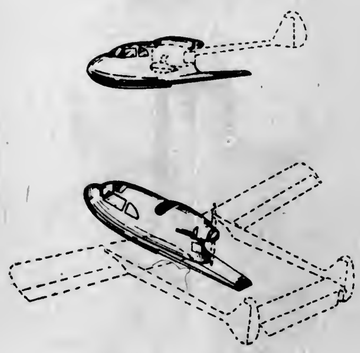
155,280
DESIGN FOR A TRIPOD HEAD FOR A CAMERA OR SIMILAR ARTICLE
Stanley Fleech, Chicago, Ill.
Application February 3, 1949, Serial No. 648
Term of patent 3½ years
(Cl. D61—1)



The ornamental design for a tripod head for a camera or similar article, substantially as shown.

155,281
DESIGN FOR AN AMPHIBIAN AIRPLANE
Athanas P. Fontaine, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application June 21, 1946, Serial No. 130,926
Term of patent 7 years
(Cl. D71—1)

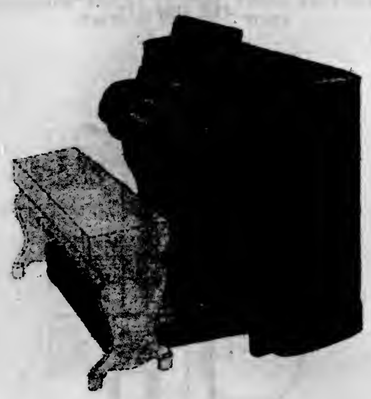




The ornamental design for an amphibian airplane, as shown and described.

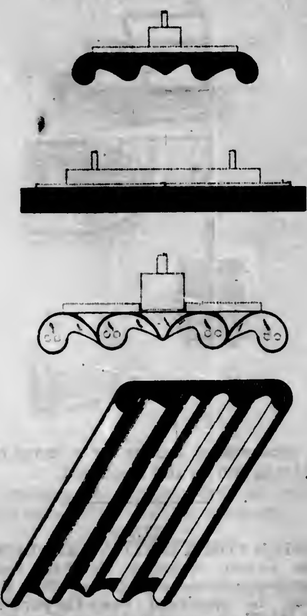
155,282
DESIGN FOR AN ELECTRIC ORGAN
Paul M. Fuller, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application July 22, 1947, Serial No. 140,447
Term of patent 7 years
(Cl. D56—9)





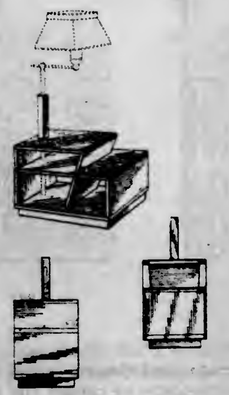
The ornamental design for an electric organ, substantially as shown and described.

155,283
DESIGN FOR AN INDIRECT LIGHTING FIXTURE
Irol G. Gangbin, Fresno, Calif.
Application January 24, 1949, Serial No. 424
Term of patent 14 years
(Cl. D48—23)



The ornamental design for an indirect lighting fixture, as shown and described.

155,284
DESIGN FOR A LAMP BASE
Merton L. Gershun, Chicago, Ill., assignor to Rembrandt Lamp Corporation, Chicago, Ill., a corporation of Illinois
Application April 10, 1948, Serial No. 145,633
Term of patent 7 years
(Cl. D33—14)



155,284—Continued



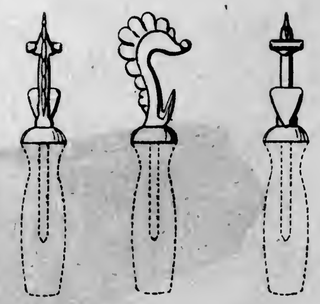
The ornamental design for a lamp base, substantially as shown and described.

155,285
DESIGN FOR A WRITING IMPLEMENT
Warren Green, Noroton Heights, Conn., and Peter Schladermundt, Bronxville, N. Y., assignors to Stratford Pen Corporation, New York, N. Y., a corporation of New York
Application December 23, 1948, Serial No. 150,328
Term of patent 14 years
(Cl. D74—17)



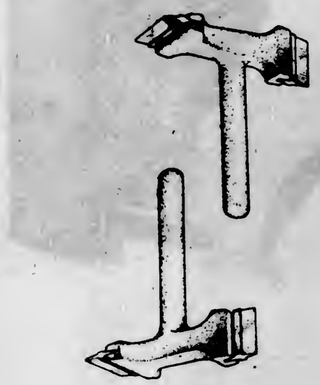
The ornamental design for a writing implement, substantially as shown and described.

155,286
DESIGN FOR A BOTTLE OPENER
Armand M. Guiet, New York, N. Y., assignor to Imperial Dunlo Silver Corp., New York, N. Y.
Application January 9, 1948, Serial No. 142,597
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a bottle opener, substantially as shown and described.

155,287
DESIGN FOR A HACKING TOOL
Albert Henry Hawes, Erdington, Birmingham, England, assignor to Kwikform Limited, Birmingham, England
Application December 30, 1947, Serial No. 143,458
In Great Britain November 15, 1945
Section 1, Public Law 690, August 8, 1946
Term of patent 14 years
(Cl. D54—13)



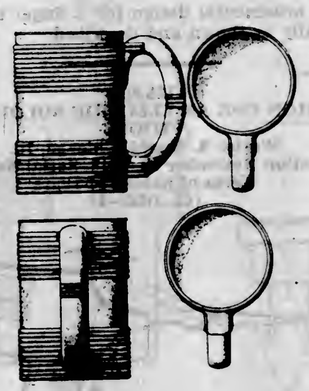
The ornamental design for a hacking tool, as shown.

155,288
DESIGN FOR A COMBINED COFFEE BREWER COVER AND STAND
Carl W. Hellberg, Chicago, Ill.
Application May 10, 1947, Serial No. 138,976
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a combined coffee brewer cover and stand, as shown.

155,289
DESIGN FOR A DRINKING MUG
Warner W. Hoople, Dallas, Tex., assignor to Mildred A. Skelley, Dallas, Tex., doing business as Weber's Root Beer Company
Application August 22, 1947, Serial No. 141,010
Term of patent 7 years
(Cl. D36—8)



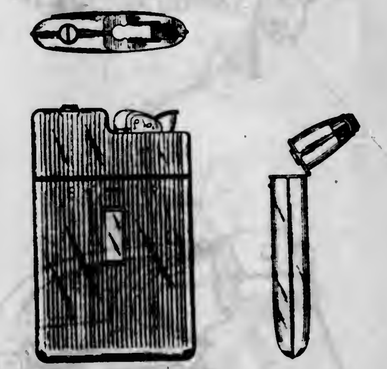
The ornamental design for a drinking mug, as shown.

155,290
DESIGN FOR AN AUTOMOBILE HEADLIGHT VISOR
William H. Johnson, Dallas, Tex.
Application June 27, 1949, Serial No. 3,567
Term of patent 14 years
(Cl. D46—32)



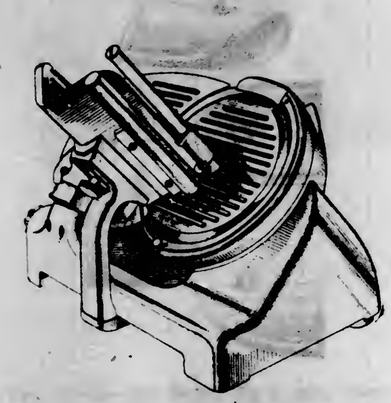
The ornamental design for an automobile headlight visor, substantially as shown.

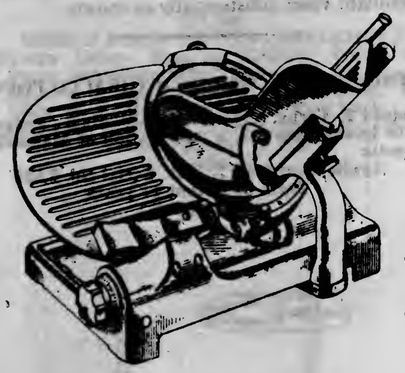
155,291
DESIGN FOR A COMBINED TOBACCO POUCH AND LIGHTER
Robert F. Kirby, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application May 7, 1949, Serial No. 2,526
Term of patent 14 years
(Cl. D48—27)

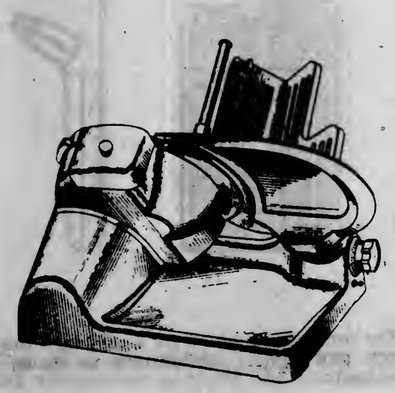


The ornamental design for a combined tobacco pouch and lighter, substantially as shown and described.

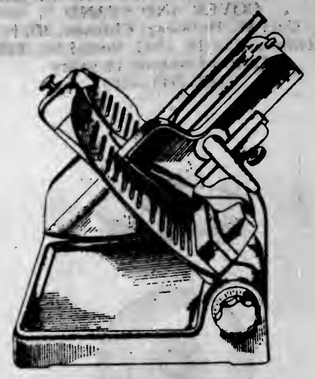
155,292
DESIGN FOR A SLICING MACHINE
Cornelis Klingens, Barendrecht, Netherlands, and James Leslie Foster, La Porte, Ind., assignors to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana.
Application May 14, 1947, Serial No. 139,034
Term of patent 14 years
(Cl. D55—1)







155,292—Continued



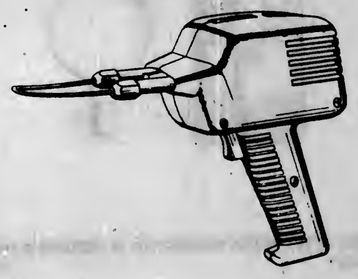
The ornamental design for a slicing machine, as shown.

155,293
DESIGN FOR A FINGER RING
Frederick J. Kuczajda, Windsor, Ontario, Canada, assignor to Motif Manufacturing Co., Inc., Detroit, Mich.
Application June 9, 1948, Serial No. 146,865
Term of patent 7 years
(Cl. D45—10)

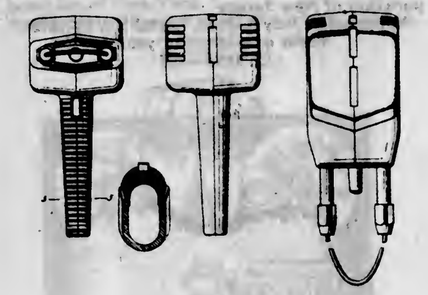


The ornamental design for a finger ring, substantially as shown and described.

155,294
DESIGN FOR AN ELECTRIC SOLDERING TOOL
Walter A. Kuehl, Chicago, Ill.
Application November 12, 1948, Serial No. 149,592
Term of patent 14 years
(Cl. D26—1)

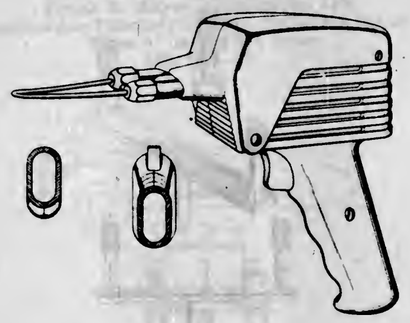


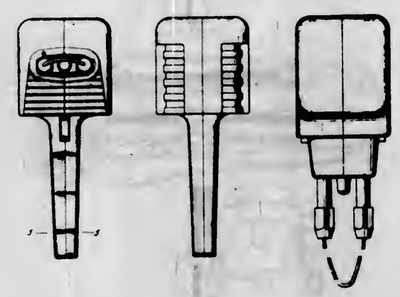
155,294—Continued



The ornamental design for an electric soldering tool, as shown.

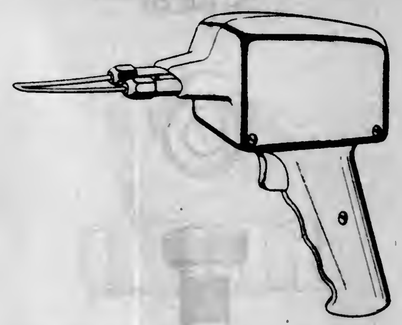
155,295
DESIGN FOR AN ELECTRIC SOLDERING TOOL
Walter A. Kuehl, Chicago, Ill.
Application November 12, 1948, Serial No. 149,593
Term of patent 14 years
(Cl. D26—1)

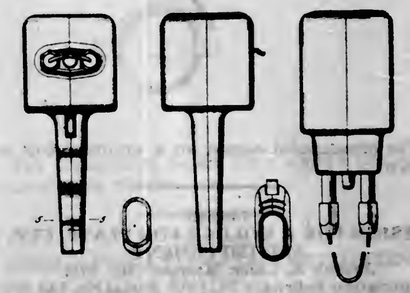




The ornamental design for an electric soldering tool, as shown.

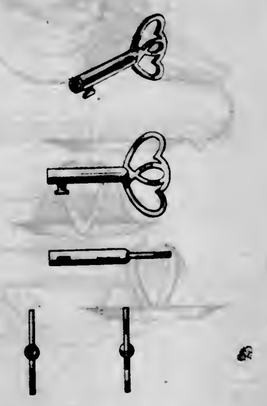
155,296
DESIGN FOR AN ELECTRIC SOLDERING TOOL
Walter A. Kuehl, Chicago, Ill.
Application November 12, 1948, Serial No. 149,594
Term of patent 14 years
(Cl. D26—1)





The ornamental design for an electric soldering tool, as shown.

155,297
DESIGN FOR A MINIATURE JEWELRY SCREW DRIVER
Julian Harold Kushner, New York, N. Y.
Application May 20, 1948, Serial No. 146,500
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a miniature jewelry screw driver, as shown.

155,198
DESIGN FOR A WHIPPING TOP
Palmerino La Falce, Buffalo, N. Y.
Application January 7, 1949, Serial No. 142,581
Term of patent 14 years
(Cl. D34—15)



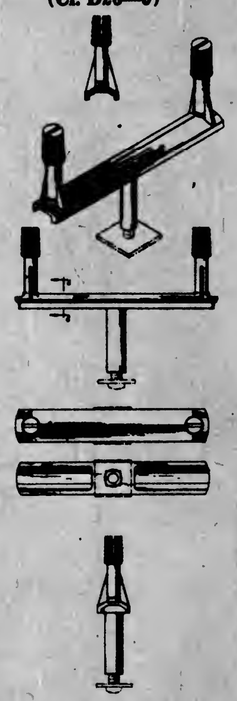
The ornamental design for a whipping top, as shown.

155,200
DESIGN FOR A WEIGHING SCALE
John McLeod Little, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 3, 1948, Serial No. 147,375
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a weighing scale, as shown.

155,201
DESIGN FOR A TRANSPOSITION BRACKET
Clyde J. Lowrey, Dayton, Ohio, assignor of one-half to John C. Weigel, Dayton, Ohio
Application January 30, 1948, Serial No. 144,149
Term of patent 14 years
(Cl. D26—9)



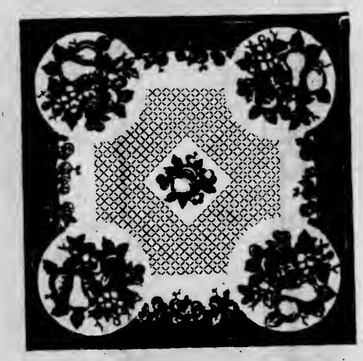
The ornamental design for a transposition bracket, substantially as shown and described.

155,199
DESIGN FOR A HOLDER FOR PLATE, CUP, AND IMPLEMENT
Joseph K. Laier, Kansas City, Mo.
Application February 24, 1948, Serial No. 144,673
Term of patent 14 years
(Cl. D44—16)



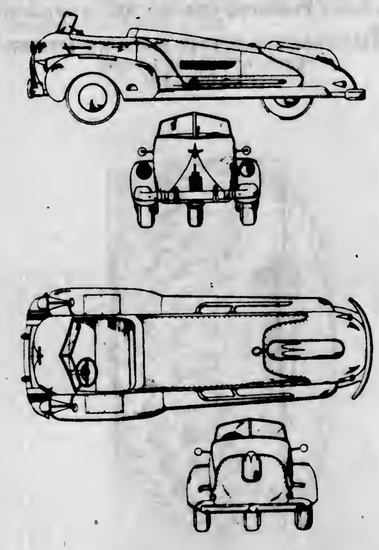
The ornamental design for a holder for plate, cup, and implement, as shown.

155,202
DESIGN FOR A TABLECLOTH
Joseph Mack, Clifton, N. J., assignor to Hartford Textile Corporation, New York, N. Y., a corporation of New York
Application March 8, 1948, Serial No. 144,980
Term of patent 3½ years
(Cl. D02—26)



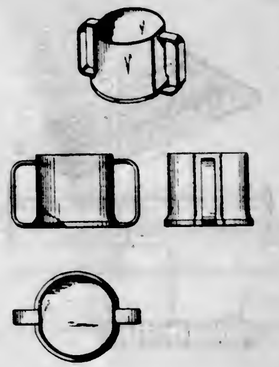
The ornamental design for a tablecloth, substantially as shown.

155,203
DESIGN FOR AN AUTOMOBILE
Frank E. Mayes, Fayetteville, Ark.
Application February 16, 1948, Serial No. 144,511
Term of patent 3½ years
(Cl. D14—3)



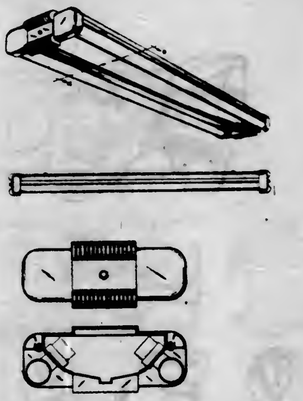
The ornamental design for an automobile, as shown.

155,204
DESIGN FOR A CHILD'S CUP
William L. McKay, Evanston, Ill., assignor to Kayware Corporation, Chicago, Ill., a corporation of Illinois
Application January 7, 1948, Serial No. 142,571
Term of patent 14 years
(Cl. D44—9)



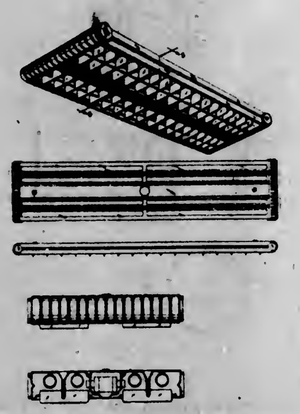
The ornamental design for a child's cup, substantially as shown.

155,205
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Carl X. Meyer, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application June 18, 1949, Serial No. 3,387
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a fluorescent lighting fixture, substantially as shown.

155,306
DESIGN FOR A LOUVERED FLUORESCENT LIGHTING FIXTURE
Carl X. Meyer, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application June 18, 1949, Serial No. 3,388
Term of patent 14 years
(Cl. D48—23)



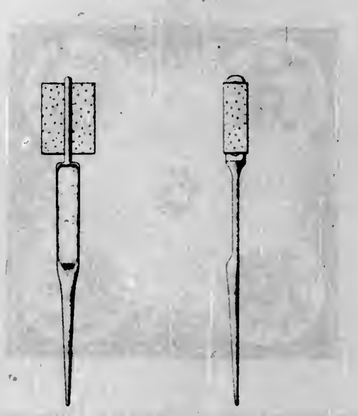
The ornamental design for a louvered fluorescent lighting fixture, substantially as shown.

155,307
DESIGN FOR A FISH LURE
Myron C. Miller, Seattle, Wash.
Application April 22, 1946, Serial No. 128,828
Term of patent 14 years
(Cl. D31—4)



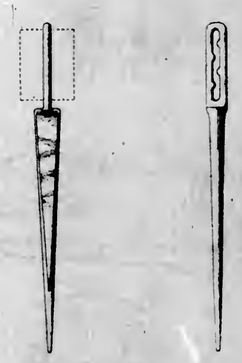
The ornamental design for a fish lure, as shown.

155,308
DESIGN FOR A HAIR WAVE FLUID APPLICATOR OR SIMILAR ARTICLE
Morris Morrison, Chicago, Ill., assignor to Morrison-Atlas Products, Chicago, Ill., a copartnership
Application July 3, 1948, Serial No. 147,365
Term of patent 7 years
(Cl. D86—10)



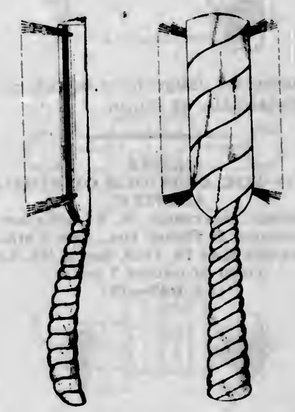
The ornamental design for a hair wave fluid applicator or similar article, as shown.

155,309
DESIGN FOR A HAIR WAVE FLUID APPLICATOR OR SIMILAR ARTICLE
Morris Morrison, Chicago, Ill., assignor to Morrison-Atlas Products, Chicago, Ill., a copartnership
Application July 3, 1948, Serial No. 147,366
Term of patent 7 years
(Cl. D86—10)



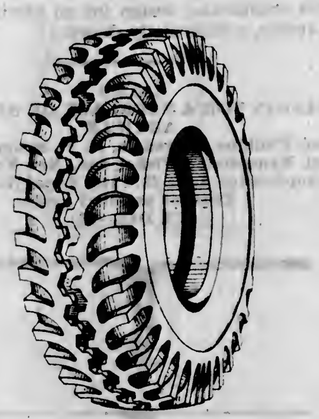
The ornamental design for a hair wave fluid applicator or similar article, as shown and described.

155,310
DESIGN FOR A HAIRBRUSH
Peter Muller-Munk, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application August 9, 1947, Serial No. 140,795
Term of patent 7 years
(Cl. D86—10)



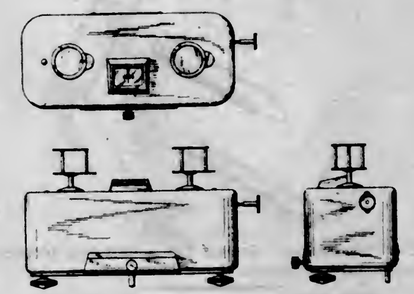
The ornamental design for a hair brush, substantially as shown and described.

155,311
DESIGN FOR A TIRE
Chase F. Ofensend, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 25, 1948, Serial No. 148,295
Term of patent 14 years
(Cl. D90—20)



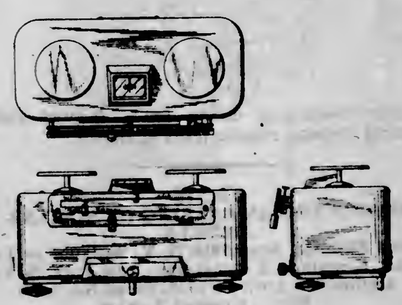
The ornamental design for a tire, as shown.

155,312
DESIGN FOR A CREAM TEST SCALE
Carl Louis Otto, New York, N. Y., assignor to The Torsion Balance Company, New York, N. Y., a corporation of New York
Application September 21, 1948, Serial No. 148,674
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a cream test scale, as shown.

155,313
DESIGN FOR A LABORATORY SCALE
Carl Louis Otto, New York, N. Y., assignor to The Torsion Balance Company, New York, N. Y., a corporation of New York
Application September 21, 1948, Serial No. 148,675
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a laboratory scale, as shown.

155,314
DESIGN FOR A CAN TOP PIERCER
Joseph G. Pessina, St. Louis, Mo.
Application October 30, 1947, Serial No. 142,225
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a can top piercer, substantially as shown.

155,315
DESIGN FOR A FACETED GAME CONTROL ELEMENT
Rudolph Peukert, Toronto, Ontario, Canada
Application December 22, 1947, Serial No. 143,279
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a faceted game control element, substantially as shown.

155,316
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 15, 1949, Serial No. 2,605
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,317
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,653
Term of patent 7 years
(Cl. D45—19)



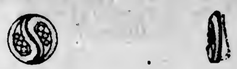
The ornamental design for a brooch or similar article, substantially as shown.

155,318
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 14, 1949, Serial No. 2,654
Term of patent 7 years
(Cl. D45—19)



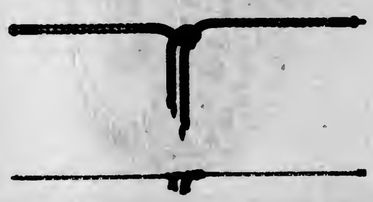
The ornamental design for a brooch or similar article, substantially as shown.

155,319
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,315
Term of patent 7 years
(Cl. D45—9)



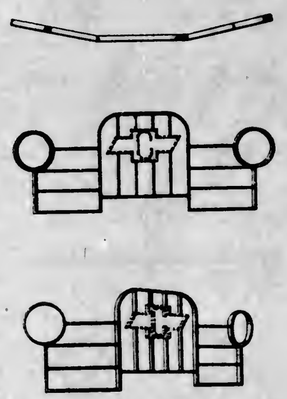
The ornamental design for an earring or similar article, substantially shown.

155,320
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 28, 1949, Serial No. 3,594
Term of patent 7 years
(Cl. D45—16)



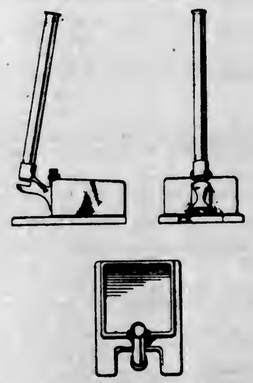
The ornamental design for a necklace or similar article, substantially as shown and described.

155,321
DESIGN FOR A GRILLE GUARD FOR AUTOMOBILE RADIATORS
Harry Phillips, New York, N. Y., assignor to State Welding Works, Inc., New York, N. Y.
Application September 15, 1947, Serial No. 141,400
Term of patent 3½ years
(Cl. D14—6)



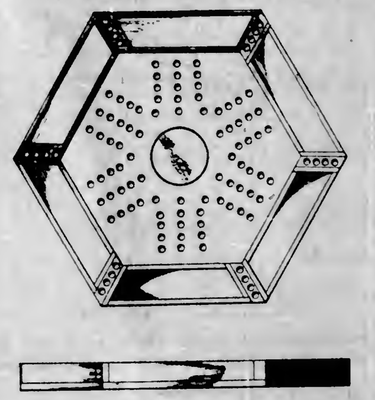
The ornamental design for a grille guard for automobile radiators, substantially as shown and described.

155,322
DESIGN FOR A COIN DISPENSER
Lyle Forrest Pierce, Watsonville, Calif., assignor of fifty per cent to Steve V. Beuson, Watsonville, Calif.
Application June 16, 1948, Serial No. 147,002
Term of patent 3½ years
(Cl. D52—4)



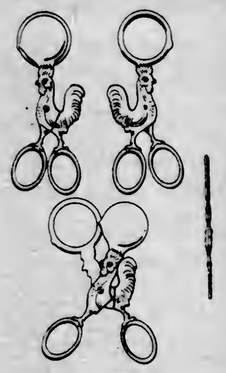
The ornamental design for a coin dispenser, as shown.

155,323
DESIGN FOR A GAME BOARD
Lorne E. Pogue, Long Beach, Calif.
Application December 9, 1947, Serial No. 143,067
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown.

155,324
DESIGN FOR AN EGG OPENER
Fritz von Hirsch, Nutley, N. J.
Application May 14, 1947, Serial No. 139,028
Term of patent 14 years
(Cl. D44—29)



The ornamental design for an egg opener, substantially as shown and described.

155,325
DESIGN FOR A BOOK END LAMP BASE OR SIMILAR ARTICLE
Charles M. Wade, Colorado Springs, Colo.
Application April 23, 1949, Serial No. 2,206
Term of patent 14 years
(Cl. D48—20)



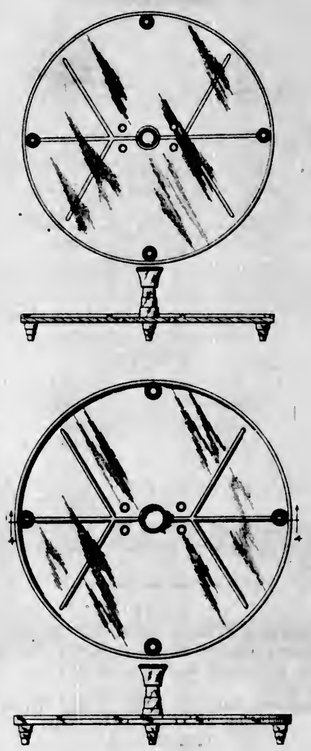
The ornamental design for a book end lamp base or similar article, as shown and described.

155,326
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
William Wienner, New York, N. Y., assignor to Reinad Novelty Co., New York, N. Y.
Application April 12, 1949, Serial No. 1,918
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

155,327
DESIGN FOR A TRAY
Herman Samuel Zalkaner, New York, N. Y.
Application February 24, 1948, Serial No. 144,690
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a tray, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abrahams, S., & Co., Inc. (also known as Saco Uniforms), Philadelphia, Pa. Men's and women's trench coats and top coats. Serial Nos. 553,232–3, Sept. 20. Class 39.

Ace Mfg. Company: *See*—
Oathout, Guy R.

Adhesive Dry Mounting Company, Limited, The, London, England. Photographic dry mounting machines, photographic cameras, photographic enlargers, etc. Serial No. 558,839, Sept. 20. Class 26.

Aladdin Industries, Incorporated: *See*—
Mantle Lamp Company of America, The.

American Carbon Paper Mfg. Company, Ennis, Tex. Carbon paper. Serial No. 569,341, Sept. 20. Class 11.

American Tack Co., Inc., New York, N. Y. Thumb tacks, furniture nails and upholstery nails. Serial No. 549,692, Sept. 20. Class 13.

Anchor Rubber Products, Inc., Cleveland, Ohio. Repair kits; bushings, and automobile muffler supports. Serial No. 549,604, Sept. 20. Class 19.

Anchor Rubber Products, Inc., Cleveland, Ohio. Pads made of rubber and metal for automobile accelerator, brake, clutch pedals, etc. Serial Nos. 549,605–6, Sept. 20. Class 19.

Arandell Products Company: *See*—
Rubin, Harry, & Sons, Inc.

Armour and Company, Chicago, Ill. Sole leather and upper leather. Serial No. 543,381, Sept. 20. Class 1.

Armour and Company, Chicago, Ill. Sole leather. Serial No. 543,400, Sept. 20. Class 1.

Armstrong Cork Company, Lancaster, Pa. Natural cork; plastic composition type shoe filler, etc. Serial No. 524,926, Sept. 20. Class 1.

Armstrong Cork Company, Lancaster, Pa. Gaskets, washers, rings, etc. Serial No. 549,209, Sept. 20. Class 35.

Armstrong Cork Company, Lancaster, Pa. Linoleum and felt base, floor and wall coverings, etc. Serial No. 549,218, Sept. 20. Class 20.

Armstrong Cork Company, Lancaster, Pa. Electrical insulators. Serial No. 549,219, Sept. 20. Class 21.

Associated Christian Volunteers, The, Newark, N. J. Charitable and religious services. Serial No. 540,968, Sept. 20. Class 55.

Astra Bent Wood Furniture Company, New York, N. Y. Bent wood furniture. Serial No. 552,367, Sept. 20. Class 32.

Atlas Imperial Diesel Engine Co., Oakland, Calif. Internal combustion engines and parts thereof. Serial No. 542,744, Sept. 20. Class 23.

Automatic Vending and Advertising Co.: *See*—
Herrmann, Lawrence H.

Bear Mill Manufacturing Co., Inc., New York, N. Y. Piece goods. Serial No. 570,686, Sept. 20. Class 42.

Belmont Clothes, Inc., Baltimore, Md. Men's trousers, slacks, top coats, sport jackets, etc. Serial No. 555,367, Sept. 20. Class 39.

Binney & Smith Company, New York, N. Y. Product consisting of carbon black. Serial No. 563,655, Sept. 20. Class 6.

Block, A., Fruit Company, The, Santa Clara, Calif. Fresh deciduous fruits. Serial No. 550,209, Sept. 20. Class 46.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. Serial No. 571,068, Sept. 20. Class 42.

Bly, Robert T., doing business as Bly-Robinson Co., Charlestown, W. Va. Fresh fruits. Serial No. 561,372, Sept. 20. Class 46.

Bly-Robinson Co.: *See*—
Bly, Robert T.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Belts and belting. Serial No. 552,937, Sept. 20. Class 35.

Bowser, Inc., Fort Wayne, Ind. Positive displacement meters and positive displacement metering systems. Serial No. 515,219, Sept. 20. Class 26.

Breul, Fred G., Tool Works: *See*—
Breul, Gertrude L.

Breul, Gertrude L., doing business as Fred G. Breul Tool Works, Bridgeport, Conn. Mechanics' squares. Serial No. 569,900, Sept. 20. Class 26.

Bruning, Charles, Company, Inc., New York, N. Y. Photographic materials and equipment. Serial No. 561,881, Sept. 20. Class 26.

California Hand Prints, Inc., Hermosa Beach, Calif. Plain and printed textile piece goods. Serial No. 540,639, Sept. 20. Class 42.

California Importing Company, Los Angeles, Calif. Olive oil. Serial No. 557,660, Sept. 20. Class 46.

Callaway Mills Company, La Grange, Ga. Rugs. Serial No. 570,601, Sept. 20. Class 42.

Calso Water Co., San Francisco, Calif. Carbonated water. Serial No. 566,209, Sept. 20. Class 45.

Calvital Company, Inc., Mt. Vernon, N. Y. Medicinal compounds. Serial No. 564,096, Sept. 20. Class 6.

Carbonneau Industries, Grand Rapids, Mich. Loud speakers. Serial No. 557,013, Sept. 20. Class 21.

Carousel Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 570,633, Sept. 20. Class 42.

Caulk, L. D., Company, The, Milford, Del. Laboratory apparatus. Serial No. 561,368, Sept. 20. Class 26.

Charmette Fabrics Company, Inc., New York, N. Y. Cellulose acetate rayon ninon fabrics. Serial No. 558,694, Sept. 20. Class 42.

Charmette Fabrics Company, Inc., New York, N. Y. Fabrics in the piece. Serial No. 558,695, Sept. 20. Class 42.

Charmette Fabrics Company, Inc., New York, N. Y. Taffeta fabrics in the piece. Serial No. 558,696, Sept. 20. Class 42.

Chatham Manufacturing Company, Elkin, N. C. Blankets. Serial No. 567,958, Sept. 20. Class 42.

Cheerio Toys & Games Incorporated, Lockport, N. Y. Paddle balls, tops of the bandalore type, toy airplanes, etc. Serial No. 532,688, Sept. 20. Class 22.

Chicago Printed String Company, Chicago, Ill. Ribbon-like material. Serial No. 532,908, Sept. 20. Class 7.

Children's Productions, Palo Alto, Calif. Motion picture film, film strips and picture slides. Serial No. 532,428, Sept. 20. Class 26.

Christy Cosmetics Inc., New York, N. Y. Lipsticks. Serial Nos. 566,568–9, Sept. 20. Class 6.

Cliff, Jabez, & Company Limited, Walsall, England. Harness and saddlery and harness and saddlery accessories. Serial No. 572,416, Sept. 20. Class 3.

Clover Farm Stores Corporation, Cleveland, Ohio. Clothes pins. Serial No. 562,761, Sept. 20. Class 24.

Clover Green Dairies, Inc., Woodbridge, N. J. Ice cream. Serial No. 561,294, Sept. 20. Class 46.

Coblents Bag Company, Inc., New York, N. Y. Ladies' handbags. Serial No. 572,637, Sept. 20. Class 3.

Colorado Milling & Elevator Co., The, doing business as The Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Wheat flour. Serial No. 551,531, Sept. 20. Class 46.

Colorado Milling & Elevator Co., The, doing business as The Twin Falls Flour Mills, Denver, Colo., and Twin Falls, Idaho. Wheat flour. Serial No. 554,295, Sept. 20. Class 46.

Colorado Milling & Elevator Co., doing business as The Lamar Flour Mills, Denver, and Lamar, Colo. Wheat flour. Serial No. 554,300, Sept. 20. Class 46.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Typewriter ribbons. Serial No. 566,121, Sept. 20. Class 11.

Como-Tex Company, The, Chicago, Ill. Imitation Christmas tree. Serial No. 556,176, Sept. 20. Class 50.

Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 546,660, Sept. 20. Class 34.

Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 546,665, Sept. 20. Class 34.

Cussins and Fearn Company, The, Columbus, Ohio. Children's toys, sporting goods. Serial No. 551,864, Sept. 20. Class 22.

Cussins and Fearn Company, The, Columbus, Ohio. Felt base linoleum rugs, plain and inlaid linoleum, linoleum rug borders, etc. Serial No. 553,171, Sept. 20. Class 20.

Cussins and Fearn Company, The, Columbus, Ohio. Garden hose. Serial No. 553,181, Sept. 20. Class 35.

Cussins and Fearn Company, The, Columbus, Ohio. Electrical fence chargers, and electrical appliances. Serial No. 553,182, Sept. 20. Class 21.

Cussins and Fearn Company, The, Columbus, Ohio. Wooden and metallic cabinet frames and shelving, and wall cabinets. Serial No. 553,183, Sept. 20. Class 32.

Davis, William S., Havertown, Pa. Architectural models of buildings. Serial No. 519,736, Sept. 20. Class 26.

Daytimer Shoe Company, North Adams, Mass. Women's, misses', and children's shoes. Serial No. 557,506, Sept. 20. Class 39.

Dewey and Almy Chemical Company, Cambridge, Mass. Inflated balloons used as playballs. Serial No. 501,172, Sept. 20. Class 22.

Dick, A. B., Company, Chicago, Ill. Correction fluid; filing wrappers, interleaving blotters and separators; etc. Serial No. 559,585, Sept. 20. Class 37.

Dick, A. B., Company, Chicago, Ill. Duplicating machines and stencil cleaning machines. Serial No. 559,586, Sept. 20. Class 23.

Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Western style clothing for men and boys. Serial No. 547,242, Sept. 20. Class 39.

Ditto, Incorporated, Chicago, Ill. Electrically operated duplicating machines and parts therefor. Serial No. 554,873, Sept. 20. Class 21.

Dixon, Frank J., doing business as Orange "A" Peel Co., Peoria, Ill. Maltless soft drinks and soft drink syrups. Serial No. 551,729, Sept. 20. Class 45.

Dodge Manufacturing Corporation, Mishawaka, Ind. Bearings. Serial No. 526,982, Sept. 20. Class 23.

Dodson-Fisher Company, Minneapolis, Minn. Bowling shoes. Serial No. 544,066, Sept. 20. Class 39.

Duke & Benedict, New York, N. Y. Nonalcoholic, non-cereal, maltless beverages, etc. Serial No. 561,099, Sept. 20. Class 45.
Duro-Test Corporation, North Bergen, N. J. Incandescent and fluorescent lamps. Serial No. 557,735, Sept. 20. Class 21.
Elgin National Watch Company, Elgin, Ill. Shipping and dispensing applicators and parts thereof. Serial No. 555,662, Sept. 20. Class 28.
Empire Knitting Mills Corporation, Statesville, N. C., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Sweaters, sweat shirts, basque shirts, etc. Serial No. 539,037, Sept. 20. Class 39.
Empire Projecter Corp., New York, N. Y. Motion picture projectors and for related photo-electric cells, amplifiers, and loudspeakers. Serial No. 523,573, Sept. 20. Class 36.
Enterprise Engine & Foundry Co., San Francisco, Calif. Relief valve spring barrels, strainer baskets, valve bodies, etc. Serial No. 482,737, Sept. 20. Class 13.
Era Meter Co., (Corporation) Chicago, Ill., assignee of Era Meter Co. (Co-Partnership). Variable speed drive shifting levers and attachments. Serial No. 524,966, Sept. 20. Class 23.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 563,061, Sept. 20. Class 22.
Feder Industries, Inc., New York, N. Y. Earmuffs. Serial No. 548,248, Sept. 20. Class 39.
Federal Seat Corporation, Long Island City, N. Y. Plastic toilet seats. Serial No. 559,289, Sept. 20. Class 13.
Felmore Company, Inc., Providence, R. I. Sterling silver flat tableware for children. Serial No. 551,787, Sept. 20. Class 28.
Fibus, Murray M., doing business as The Steel City Manufacturing Company, Youngstown, Ohio. Drinking water coolers. Serial No. 561,739, Sept. 20. Class 31.
Film 'N File, Inc., New York, N. Y. File and classification cards. Serial No. 548,647, Sept. 20. Class 37.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 570,846, Sept. 20. Class 42.
Franklin Glue Company, The, Columbus, Ohio. Liquid hide glue. Serial No. 538,390, Sept. 20. Class 5.
Fritzsche Brothers, Inc., New York, N. Y. Flavoring compounds. Serial No. 553,609, Sept. 20. Class 46.
Fuld, William: *See*—
Fuld, William A.
Fuld, William A., doing business as William Fuld, Baltimore, Md. Game board. Serial No. 546,217, Sept. 20. Class 22.
Gair, Robert, Company, Inc., New York, N. Y. Boxboard, paper board, and cardboard. Serial No. 544,992, Sept. 20. Class 37.
Galef, J. L., & Son, Inc., New York, N. Y. Rifles, air rifles, shotguns, etc. Serial No. 513,402, Sept. 20. Class 9.
Garner & Co., New York, N. Y. Window cleaning device. Serial No. 566,076, Sept. 20. Class 29.
Gatley's Purchasing Department, Inc., Chicago, Ill. Men's suits and top-coats and overcoats. Serial No. 556,006, Sept. 20. Class 39.
Gephart Manufacturing Co., Chicago, Ill. Fishing rods. Serial No. 561,793, Sept. 20. Class 22.
Gerry, Norman C., New York, N. Y. Optical goods. Serial No. 561,621, Sept. 20. Class 26.
Gilbert & Bennett Mfg. Co., The, Georgetown, Conn. Wire netting in sheet or roll form. Serial No. 539,310, Sept. 20. Class 13.
Gits Molding Corporation, Chicago, Ill. Poker chips and chess games. Serial Nos. 522,627–8, Sept. 20. Class 22.
Gits Molding Corporation, Chicago, Ill. Poker chips and chess games. Serial No. 522,634, Sept. 20. Class 22.
Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,055, Sept. 20. Class 22.
Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,058, Sept. 20. Class 22.
Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,061, Sept. 20. Class 22.
Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,074, Sept. 20. Class 22.
Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,080, Sept. 20. Class 22.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. Serial No. 529,022, Sept. 20. Class 39.
Grad, David, Company, New York, N. Y. Costume jewelry. Serial No. 554,485, Sept. 20. Class 28.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth. Serial No. 562,701, Sept. 20. Class 31.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth. Serial No. 562,704, Sept. 20. Class 31.
Green Company, Inc., The, Kansas City, Mo. Jewelry. Serial No. 563,062, Sept. 20. Class 28.
Gutekunst, Carl, York, Pa. Can openers. Serial No. 555,669, Sept. 20. Class 23.
Hall Packing Company, Sanger, Calif. Fresh grapes and fresh deciduous fruits. Serial No. 551,449, Sept. 20. Class 46.
Hamilton Watch Company, Lancaster, Pa. Watch mainspring. Serial No. 571,211, Sept. 20. Class 27.
Hansen, Hans, Solvsmedie A/S, Ostergade, Kolding, Denmark. Hollow ware and flat ware. Serial No. 547,542, Sept. 20. Class 28.
Hanson-Van Winkle-Munning Company, Matawan, N. J. Alkaline, acidic, neutral, and solvent cleaning preparations. Serial No. 548,342, Sept. 20. Class 4.
Hares Chemical Company, East Cranford, N. J. Liquid alkaline concentrate of compounded chemicals. Serial No. 508,478, Sept. 20. Class 4.
Harman Watch Company, Inc., New York, N. Y. Jewelry. Serial No. 561,404, Sept. 20. Class 28.
Haskell & Burns, Wenatchee, Wash. Fresh apples. Serial No. 534,627, Sept. 20. Class 46.
Heath Company, The, Benton Harbor, Mich. Electric test apparatus. Serial No. 520,947, Sept. 20. Class 26.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics of cotton in the piece. Serial No. 559,606, Sept. 20. Class 42.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics. Serial No. 561,117, Sept. 20. Class 42.
Heberlein & Co., A. G., Wattwil, Switzerland. Crepe-like fabrics. Serial No. 561,118, Sept. 20. Class 42.
Heberlein & Co., A. G., Wattwil, Switzerland. Transparent fabrics. Serial No. 561,119, Sept. 20. Class 42.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics. Serial No. 561,120, Sept. 20. Class 42.
Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,051, Sept. 20. Class 17.
Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,053, Sept. 20. Class 17.
Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,056, Sept. 20. Class 17.
Henkel-Clauss Company, The, Fremont, Ohio, and New York, N. Y. Surgical and dental bandage, cuticle and nail scissors. Serial No. 546,296, Sept. 20. Class 44.
Herrmann, Lawrence H., doing business under the style and title of Automatic Vending and Advertising Co., Grand Island, Nebr. Advertising services. Serial No. 533,741, Sept. 20. Class 55.
Hettrick Manufacturing Company, The: *See*—
Empire Knitting Mills Corporation.
Hevi Duty Electric Company, Milwaukee, Wis. Electric furnaces. Serial No. 549,383, Sept. 20. Class 21.
Hjalm, Alfred, Seattle, Wash. Detachable garment pockets. Serial No. 562,188, Sept. 20. Class 39.
Hoffmann-La Roche Inc., Nutley, N. J. Analgesic, sedative, and anti-spasmodic preparations. Serial No. 566,231, Sept. 20. Class 6.
Hollandia Kattenburg, Incorporated, New York, N. Y. Raincoats, sport coats, and top coats. Serial No. 540,672, Sept. 20. Class 39.
Hollandia Kattenburg, Incorporated, New York, N. Y. Raincoats. Serial No. 559,707, Sept. 20. Class 39.
Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' slacks and overalls. Serial No. 562,472, Sept. 20. Class 39.
Hotchkiss, E. H., Company, The: *See*—
Hotchkiss Realty Corporation.
Hotchkiss Realty Corporation, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machines. Serial No. 542,472, Sept. 20. Class 23.
Husky Bar Ice Cream, Trenton, N. J. Ice cream. Serial No. 517,848, Sept. 20. Class 46.
Illinois Clay Products Company, Joliet, Ill. Mineral thermal insulation. Serial No. 549,931, Sept. 20. Class 12.
Infileo Incorporated, Chicago, Ill. Filter underdrain systems, or parts thereof. Serial No. 559,980, Sept. 20. Class 31.
Inland Rubber Corporation, Chicago, Ill. Pressure blocks, molds, vulcanizers, etc. Serial No. 531,597, Sept. 20. Class 23.
Irma Hosiery Company, Philadelphia, Pa. Women's hosiery. Serial No. 560,472, Sept. 20. Class 39.
Jackes-Evans Manufacturing Company, St. Louis, Mo. Portable water coolers. Serial No. 527,700, Sept. 20. Class 31.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Sprocket drive chains. Serial Nos. 535,711–12, Sept. 20. Class 23.
Johns-Manville Corporation, New York, N. Y. Refractory electric insulating and fireproofing material in powder form. Serial No. 549,444, Sept. 20. Class 21.
Johns-Manville Corporation, New York, N. Y. Asbestos insulating and fireproofing tape. Serial No. 549,445, Sept. 20. Class 21.
Johnson, S. T., Co., Oakland, Calif. Heating and hot water combination boilers. Serial No. 506,817, Sept. 20. Class 34.
Jura Watch Co., Delemont, Switzerland. Complete watches, watch movements or all other parts of watches, etc. Serial No. 571,084, Sept. 20. Class 27.
Kalart Company, Inc., The, Stamford, Conn. Camera attachments and accessories. Serial No. 482,327, Sept. 20. Class 26.
Kansas City White Goods Manufacturing Company: *See*—
Snower, William.
Kendall Company, The, Walpole, Mass. Machines for testing the tensile strength of the adhesive union of fabrics adhesively bonded together. Serial No. 551,638, Sept. 20. Class 26.
Kensington Steel Company, Chicago, Ill. Gears, pinions, mixer arms, mixer arm tips, liner plates, etc. Serial No. 528,287, Sept. 20. Class 23.

Kent-Moore Organization, Inc., Detroit, Mich. Headlight testers, wheel aligners, gauges, etc. Serial No. 562,936, Sept. 20. Class 26.
Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Undergarments. Serial No. 550,712, Sept. 20. Class 39.
Knight Slipper Mfg. Corp., Brooklyn, N. Y. Ladies', men's, misses', and children's slippers. Serial No. 555,007, Sept. 20. Class 39.
Kreit Buick, Inc., Fargo, N. Dak. Automobiles, trucks, buses, etc. Serial No. 554,688, Sept. 20. Class 19.
L. & B. Jewelry Manufacturing Company, Providence, R. I. Jewelry. Serial No. 537,900, Sept. 20. Class 28.
Lamar Flour Mills, The: *See*—
Colorado Milling & Elevator Co.
Lampert Company, Inc., The, New York, N. Y. Bed sheets, bedspreads, pillow cases, etc. Serial No. 557,609, Sept. 20. Class 42.
Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas, Company, Inc.
Lichtenstein, Jessie M., Chicago, Ill. Candy. Serial No. 560,907, Sept. 20. Class 46.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 553,879, Sept. 20. Class 6.
Limberg, Wayne, Plymouth, Wis. Portable electrically operated vacuum cleaners. Serial No. 554,990, Sept. 20. Class 21.
Logue, Emelene M., Williamsport, Pa. Candy-like cookie confection. Serial No. 563,614, Sept. 20. Class 46.
Lowenthal, Milton, doing business under the name Milo Products Company, Washington, D. C. Storage closets, closet fronts, and furniture chest units. Serial No. 558,269, Sept. 20. Class 32.
Lubin-Weaker Co. Inc., New York, N. Y. Men's pajamas. Serial No. 549,933, Sept. 20. Class 39.
Lucas, John, & Company, Incorporated, doing business as Lucas Kil-Tone Co., Philadelphia, Pa. Paints, paint enamels, lacquers, etc. Serial No. 557,290, Sept. 20. Class 16.
Lucas Kil-Tone Co.: *See*—
Lucas, John, & Company, Incorporated.
Lufkin Rule Company, The, Saginaw, Mich. Tape measures. Serial No. 530,659, Sept. 20. Class 26.
Lyric Distributors: *See*—
Sears, Roebuck and Co.
MacWayne Laboratories, Inc., South Bend, Ind. Foot powder. Serial No. 561,923, Sept. 20. Class 6.
Mantle Lamp Company of America, The, Chicago, Ill., now by change of name Aladdin Industries, Incorporated. Electric lamp fixtures. Serial No. 558,042, Sept. 20. Class 21.
May, Maude B., Co. (Not Inc.), Chicago, Ill. Liqueur glasses. Serial No. 539,887, Sept. 20. Class 33.
Mead Corporation, The, Dayton, Ohio. Paper and paper board, etc. Serial No. 518,902, Sept. 20. Class 37.
Menley & James, Limited, New York, N. Y. Prophylactic and iodin preparations. Serial No. 561,323, Sept. 20. Class 6.
Mexico Refractories Company, Mexico, Mo. Firebrick. Serial No. 541,866, Sept. 20. Class 12.
Miller Electronics: *See*—
Miller, Harold R.
Miller, Harold R., doing business as Miller Electronics, Northampton, Mass. Radio antennas. Serial No. 556,635, Sept. 20. Class 21.
Milo Products Company: *See*—
Lowenthal, Milton.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature, pressure, liquid level or time measuring and controlling switches or valves. Serial No 527,242, Sept. 20. Class 24.
Morse Chain Company, Ithaca, N. Y., and Detroit, Mich. Engine timing chains and sprockets; industrial silent and roller chains and sprockets; etc. Serial No. 559,380, Sept 20. Class 23.
Motif Jewelers, Detroit, Mich. Finger rings. Serial No. 551,650, Sept. 20. Class 28.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 565,853, Sept. 20. Class 27.
Murphysboro Grocery Company, Murphysboro, Ill. Scouring cleansers. Serial No. 539,196, Sept. 20. Class 4.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. Serial No. 547,022, Sept. 20. Class 34.
National Plastic Products Company, The, Odenton, Md. Synthetic filaments. Serial No. 513,948, Sept. 20. Class 48.
Newport Industries, Inc., Pensacola, Fla. Steam-distilled pine oil. Serial No. 544,102, Sept. 20. Class 15.
Newport Industries, Inc., Pensacola, Fla. Pine tar oil. Serial No. 544,103, Sept. 20. Class 15.
Nopco Chemical Company, Harrison, N. J. Textile sizing composition. Serial No. 561,680, Sept. 20. Class 6.
Norfolk Mattress Company, Inc., Norfolk, Va. Bedding and furniture. Serial No. 551,039, Sept. 20. Class 32.
Norfolk Mattress Company, Inc., Norfolk, Va. Bedding and furniture. Serial No. 551,190, Sept. 20. Class 32.
North Carolina Finishing Company, Salisbury, N. C. Bleaching, dyeing and shrinking textile fabrics. Serial No. 535,175, Sept. 20. Class 55.
North Pacific Frozen Products Company, Seattle, Wash. Frozen fresh fish. Serial No. 560,724, Sept. 20. Class 46.
Oak Ridge Manufacturing Company, Charleston, S. C. Fountain pens and mechanical pencils. Serial No. 553,914, Sept. 20. Class 37.
Outhout, Guy R., doing business as Ace Mfg. Company, Fort Atkinson, Wis. Fishing nets. Serial No. 519,488, Sept. 20. Class 22.
Olin Industries, Inc., East Alton, Ill. Frangible targets. Serial No. 527,784, Sept. 20. Class 22.
Omnium Arts et Industrie, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial Nos. 561,578–9, Sept. 20. Class 6.
Orange "A" Peel Co.: *See*—
Dixon, Frank J.
Ostby and Barton Company, Providence, R. I. Finger rings. Serial No. 571,356, Sept. 20. Class 28.
Ostbye and Anderson, Minneapolis, Minn. Finger rings. Serial No. 571,741, Sept. 20. Class 28.
Page Belting Company, Concord, N. H. Leather belting and leather packing. Serial No. 554,810, Sept. 20. Class 35.
Patterson, Roy L., doing business as Roto-Flo Mfg. Co., Brooklin Center, Minn. Mechanical distributor. Serial No. 528,075, Sept. 20. Class 23.
Peerless Mills Co. of New York, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 570,717, Sept. 20. Class 42.
Peerless Mills Co. of New York, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 571,061, Sept. 20. Class 42.
Peirce and Culter, Los Angeles, Calif. Bugs. Serial No. 523,059, Sept. 20. Class 42.
Penens Corporation, Los Angeles, Calif. Wrenches; reversible ratchets, extensions, etc. Serial No. 540,567, Sept. 20. Class 23.
Penn Tobacco Company, Wheeling, W. Va. Smoking and chewing tobacco. Serial No. 539,755, Sept. 20. Class 17.
Personal Music Corporation, Newark, N. J. Coin controlled music boxes. Serial No. 560,017, Sept. 20. Class 21.
Phillips Petroleum Company, Bartlesville, Okla. Gasoline, lubricating motor oils, grease compounds, etc. Serial No. 542,162, Sept. 20. Class 15.
Pioture Belt Company, The, Denver, Colo. Belts for wearing apparel. Serial No. 563,534, Sept. 20. Class 39.
Pinehurst Textiles, Inc., Asheboro, N. C. Ladies' and children's underwear. Serial No. 551,813, Sept. 20. Class 39.
Pioneer Suspender Company, Philadelphia, Pa. Wallets and bill-folds. Serial No. 572,200, Sept. 20. Class 3.
Ploeger-Abbott Company, The, Darien, Ga. Canned shrimp. Serial No. 545,890, Sept. 20. Class 46.
Plumb, Fayette R., Inc., Philadelphia, Pa. Axes. Serial No. 558,925, Sept. 20. Class 28.
Professional Pharmaceutical Co. Inc., San Antonio, Tex. Eye drops. Serial No. 563,688, Sept. 20. Class 6.
Public Service Company of Colorado, Denver, Colo. Public utility services. Serial No. 537,235, Sept. 20. Class 55.
Pure Oil Company, The, Chicago, Ill. Technical and U. S. P. White oil and lubricating oils. Serial No. 526,824, Sept. 20. Class 15.
Pure Oil Company, The, Chicago, Ill. Gasoline and other motor fuel oils. Serial No. 549,644, Sept. 20. Class 15.
Pure Oil Company, The, Chicago, Ill. Diesel fuel oils. Serial No. 551,104, Sept. 20. Class 15.
Pyle-National Company, The, Chicago, Ill. Explosion-proof electrical conduit fittings. Serial No. 547,480, Sept. 20. Class 21.
Rex Clay Products Company, The, Detroit, Mich. Precast combustion chambers and bames for oil and gas burners. Serial No. 514,716, Sept. 20. Class 34.
Rice-O'Neill Shoe Company, St. Louis, Mo. Shoes. Serial No 491,120, Sept. 20. Class 39.
Richardson Corporation, Rochester, N. Y. Nonalcoholic maltless syrup. Serial No. 532,757, Sept. 20. Class 46.
Robbins & Myers, Inc., Springfield, Ohio. Rotary pumps, compressors, hand hoists, etc. Serial No. 527,565, Sept. 20. Class 23.
Robinson, Thomas, Company, Inc., assignor to Lancaster Processes, Inc., New York, N. Y. Wax emulsion. Serial No. 558,706, Sept. 20. Class 6.
Roto-Flo Mfg. Co.: *See*—
Patterson, Roy L.
Rubin, Harry, & Sons, Inc., doing business as Arundell Products Company, Philadelphia, Pa. Filler cord, seaming cord, welting cord, etc. Serial No. 524,725, Sept. 20. Class 40.
SNC Manufacturing Co., Inc., Glenview, Ill. Electrical transformers. Serial No. 550,455, Sept. 20. Class 21.
Saco Uniforms: *See*—
Abrahams, S., & Co., Inc.
Sandy Hill Iron & Brass Works, The, Hudson Falls, N. Y. Oil film bearings. Serial No. 556,701, Sept. 20. Class 23.
Sawyer Tanning Company, Napa, Calif. Leather. Serial Nos. 556,621–2, Sept. 20. Class 1.
Schweitzer, Nathan, & Co. Inc., New York, N. Y. Dressed flesh of cattle, sheep, and hogs, etc. Serial No. 541,889, Sept. 20. Class 46.

Scotland Mills, Inc., Laurinburg, N. C. Bedspreads. Serial No. 570,989, Sept. 20. Class 42.
Searle, G. D., & Co., Chicago, Ill. Iodised and chlorinated oil for X-ray diagnosis and iodine medication. Serial No. 558,943, Sept. 20. Class 6.
Sears, Roebuck and Co., doing business as Lyric Distributors, Chicago, Ill., and New York, N. Y. Face powder, face cream, lipstick, etc. Serial No. 550,077, Sept. 20. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Transparent material enmeshed in cloth, wire mesh, and wire screening. Serial No. 561,497, Sept. 20. Class 50.
Sebel, D., & Company Limited, London, England. Roller skates, three- and four-wheeled velocipedes, swings, round-abouts, etc. Serial No. 518,783, Sept. 20. Class 22.
Selikoff Brothers, New York, N. Y. Finger rings. Serial No. 554,924, Sept. 20. Class 28.
Senn, George, Inc., Philadelphia, Pa. Liquid anti-freeze preparations. Serial No. 566,661, Sept. 20. Class 6.
Shelby Manufacturing Co., New York, N. Y. House dresses. Serial No. 542,402, Sept. 20. Class 39.
Sherwin-Williams Company, The, Cleveland, Ohio. Wallpaper, poster papers, and boards, etc. Serial No. 524,738, Sept. 20. Class 37.
Sidney Machine Tool Company, The, Sidney, Ohio. Metal working lathes and wire-winding machines. Serial No. 549,577, Sept. 20. Class 23.
Simpson, Rodgers, Smith & Hunting, Chicago, Ill. Woven potholders, woven luncheon place mats, handwoven rugs, etc. Serial No. 570,585, Sept. 20. Class 42.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses', and children's caps; hats; shoes; gloves; etc. Serial No. 548,539, Sept. 20. Class 39.
Smith, Harris, Inc., New York, N. Y. Men's outer shirts and pyjamas. Serial No. 549,296, Sept. 20. Class 39.
Smith, Sydney, & Sons (Nottingham) Limited, Nottingham, England. Indicating and recording pressure and temperature meters and gauges, barometers, vacuum preasure temperature indicators, etc. Serial No. 549,589, Sept. 20. Class 26.
Snower, William, doing business as Kansas City White Goods Manufacturing Company, Kansas City, Mo. Sheets, pillow cases, and sheeting. Serial No. 570,445, Sept. 20. Class 42.
Sperry and Hutchinson Company, The, New York, N. Y. Merchandising service. Serial No. 532,515, Sept. 20. Class 55.
Spiegel, Inc., Chicago, Ill. Electric vacuum cleaners. Serial No. 553,029, Sept. 20. Class 21.
Springfield Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.
Spyco Smelting & Refining Company, Minneapolis, Minn. Precious metals for industrial and scientific use. Serial No. 552,370, Sept. 20. Class 14.
Stag Clothes, Inc., Philadelphia, Pa. Men's and boys' pants. Serial No. 540,931, Sept. 20. Class 39.
Standard Ultramarine Co., The, Huntington, W. Va. Pigments for use in the manufacture of printing inks. Serial No. 566,366, Sept. 20. Class 11.
Star Porcelain Company, The, Trenton, N. J. Porous absorbent porcelain parts. Serial No. 562,967, Sept. 20. Class 30.
Statler Mfg. Co., Chicago, Ill. Toy steering wheel. Serial No. 553,647, Sept. 20. Class 22.
Steadman, F. W., Co., New York, N. Y. Petroleum wax. Serial No. 553,543, Sept. 20. Class 15.
Steadman, F. W., Co., New York, N. Y. Highly refined petroleum wax. Serial No. 553,544, Sept. 20. Class 15.
Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses and box springs. Serial No. 549,376, Sept. 20. Class 32.
Steel City Manufacturing Company, The: *See*—
Fibus, Murray M.
Stern, Merrit Co, Inc., New York, N. Y. Neckties. Serial No. 542,795, Sept. 20. Class 39.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Cutting oils. Serial No. 534,682, Sept. 20. Class 15.
Sunrise Produce Co., Inc., of San Francisco, Indio, Calif. Fresh grapes. Serial No. 557,785, Sept. 20. Class 46.
Tappan Stove Company, The, Mansfield, Ohio. Electric ranges and stoves. Serial No. 550,843, Sept. 20. Class 21.
Tennessee Glove Company, Tullahoma, Tenn. Work gloves. Serial No. 559,746, Sept. 20. Class 39.
Thomas & Betts Co., The, Elizabeth, N. J. Conduit bending tools. Serial No. 547,054, Sept. 20. Class 23.
Timken-Detroit Axle Company, The, Detroit, Mich. Worms and gears; engine transmissions; etc. Serial No. 531,543, Sept. 20. Class 23.
Tote Engineering, Inc., Seattle, Wash. Rental of bulk containers for granular materials. Serial No. 548,616, Sept. 20. Class 55.
Twin Falls Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.
Union Oil Company of California, Los Angeles, Calif. Gasoline. Serial No. 491,899, Sept. 20. Class 15.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial Nos. 559,963–4, Sept. 20. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 564,226, Sept. 20. Class 6.
Vaco Products Company, Chicago, Ill. Screw drivers. Serial No. 542,800, Sept. 20. Class 23.
Varney Scale Models, Chicago, Ill. Model kits, equipment, and supplies. Serial No. 533,217, Sept. 20. Class 22.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets and parts thereof. Serial No. 537,956, Sept. 20. Class 35.
Victoria Avenue Citrus Association, Riverside, Calif. Fresh citrus fruits. Serial No. 544,487, Sept. 20. Class 46.
Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. Serial No. 558,539, Sept. 20. Class 50.
Waegemans, E., & Son, Inc., doing business under the name and style of Joseph Whitcomb Co., and Whitcomb, Bridgeport, Conn. Cigars. Serial No. 548,552, Sept. 20. Class 17.
Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Brush adjustment mechanism. Serial No. 547,203, Sept. 20. Class 23.
Webster Tobacco Company, Inc., Philadelphia, Pa. Cigars. Serial No. 563,142, Sept. 20. Class 17.
Weingrod, M., Company, Milwaukee, Wis. Diamonds. Serial No. 553,948, Sept. 20. Class 28.
Western Auto Supply Company, Kansas City, Mo. Sporting goods. Serial No. 536,854, Sept. 20. Class 22.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Fans and blowers. Serial No. 548,305, Sept. 20. Class 34.
Weston, Byron, Company, Dalton, Mass. Writing and printing paper and mailing envelopes. Serial No. 574,069, Sept. 20. Class 37.
Whitcomb, Joseph, Co., and Whitcomb: *See*—
Waegemans, E., & Son, Inc.
Willoughby Camera Stores, Inc., New York, N. Y. Photofinishing, renting of cameras, projectors, and film features, etc. Serial No. 569,115, Sept. 20. Class 55.
Woodward Machine Company: *See*—
Woodward, William H.
Woodward, William H., doing business as Woodward Machine Company, Detroit, Mich. Portable electric lamp stands. Serial No. 556,859, Sept. 20. Class 21.
Wrightson, Chas. T., & Son, Inc., Easton, Md. Canned peas. Serial No. 551,152, Sept. 20. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Visible Records, Inc., Chicago, Ill. Record files, visible card index systems, index cards, etc. 515,241, Sept. 20; Serial No. 506,568, published May 10, 1949. Class 37.
Adams-Millis Corporation, High Point, N. C. Men's, women's and children's hosiery. 515,268, Sept. 20; Serial No. 530,451, published May 24, 1949. Class 39.
Aktiebolaget Davy Robertsons Maskinfabrik, Gottenborg, to Aktiebolaget Davy Roberteons Maskinfabrik, Partille, Sweden. Piston packing rings, packings for piston rods and for slide valve rods. 259,604, renewed Aug. 6, 1949. O. G. Sept. 20. Class 35.
Albion Engineering Co.: *See*—
Schneider, Frans K.
Alexander & Sons, Inc., New York, N. Y. Garments made of fur. 443,384, Sept. 20; Serial No. 519,914, published June 7, 1949. Class 39.
Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. 515,383, Sept. 20; Serial No. 550,202, published June 7, 1949. Class 39.
American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. 515,394, Sept. 20; Serial No. 551,844, published May 31, 1949. Class 38.
American Laundry Machinery Company, The, Cincinnati, Ohio. Burnishing machines. 515,387, Sept. 20; Serial No. 550,967, published June 14, 1949. Class 23.
American Manufacturing Company, Brooklyn, N. Y., and Boston, Mass. Rope, cord and twine. 515,400, Sept. 20; Serial No. 552,384, published May 10, 1949. Class 7.
American Saw Mill Machinery Company, Hackettstown, N. J. Saw mills. 515,384, Sept. 20; Serial No. 550,476, published June 14, 1949. Class 23.
American Tar Products Company, by Koppers Company, Inc., Pittsburgh, Pa. Bituminous tar paving materials. 260,696, Aug. 27, 1929. Republished Sept. 20. Class 12.
American Thread Company, The, New York, N. Y. Packages of thread. 443,380, Sept. 20; Serial No. 509,389, published May 10, 1949. Class 43.
Andrews, H. P., Paper Company, New York, N. Y. Mailing envelopes. 515,374, Sept. 20; Serial No. 548,709, published May 31, 1949. Class 37.
Arenco Aktiebolag, Stockholm, Sweden. Match making machines; cigars and cigarette machines; machines for disintegrating, stemming, moistening, drying and curing tobacco, etc. 443,386, Sept. 20; Serial No. 521,422, published June 14, 1949. Class 23.

Arrow Mills, Inc.: *See*—
Houston Milling Company.
Art-Mor Togs Inc., New York, N. Y. Ladies' and misses' playsuits, overalls, ski suits, etc. 515,335, Sept. 20; Serial No. 544,838, published May 31, 1949. Class 39.
Associated Distributors, Inc.: *See*—
Savage, Inc.
Athens Plow Company, Athens, Tenn. Plows; harrows; tillers; and subsoilers. 515,306, Sept. 20; Serial No. 539,624, published June 7, 1949. Class 23.
Atlas Overall Company, Philadelphia, Pa. Overalls. 515,313, Sept. 20; Serial No. 540,762, published May 31, 1949. Class 39.
Bacon-Scott Company, Inc.: *See*—
Scott, Rufus W., Company.
Baker & Company, Inc., Newark, N. J. Band material and seamless bands composed of an alloy of precious metals for orthodontic and dental purposes. 259,605, renewed Aug. 6, 1949. O. G. Sept. 20. Class 44.
Baker & Company, Inc., Newark, N. J. Wire composed of an alloy of precious metals for orthodontic and dental purposes. 259,606, renewed Aug. 6, 1949. O. G. Sept. 20. Class 44.
Barg, William, doing business as True Form Corset Company, by True Form Corset Co., Inc., Philadelphia, Pa. Girdles, brassières and bandeaux. 358,918, July 26, 1938. Republished Sept. 20. Class 39.
Barry-Walt, Inc., New York, N. Y. Overcoats, and topcoats. 515,497, Sept. 20; Serial No. 551,433. Class 39.
Beach Soap Company, Lawrence, Mass. Soap flakes. 262,597, renewed Oct. 15, 1949. O. G. Sept. 20. Class 4.
Beach Soap Company, Lawrence, Mass. Soap flakes. 262,812, renewed Oct. 22, 1949. O. G. Sept. 20. Class 4.
Beach Soap Company, Lawrence, Mass. Soap composition. 263,836, renewed Nov. 12, 1949. O. G. Sept. 20. Class 4.
Beacon Devices, North Tonawanda, N. Y. Metal flasks. 515,253, Sept. 20; Serial No. 522,835, published June 14, 1949. Class 23.
Beacon Oil Company, Everett, Mass., to Esso Standard Oil Company, New York, N. Y. Electric batteries. 257,516, renewed June 11, 1949. O. G. Sept. 20. Class 21.
Beard, L. O., Tool Company, Lancaster, Pa. Reamers, bushing removers and inserters, pistons, etc. 515,345, Sept. 20; Serial No. 545,944, published June 14, 1949. Class 23.
Beaumont Dry Goods Company: *See*—
Beaumont Dry Goods & Notions Co.
Beaumont Dry Goods & Notions Co., by Beaumont Dry Goods Company, Beaumont, Tex. Men's workshirts, men's outer flannel shirts, men's dress-shirts, etc. 135,913, Oct. 26, 1920. Republished Sept. 20. Class 39.
Beh & Company, Incorporated: *See*—
Everhard Manufacturing Company, The.
Belding Heminway Company, Inc., New York, N. Y. Nylon sewing thread. 515,451. Sept. 20; Serial No. 565,109, published May 10, 1949. Class 43.
Bellman Brook Bleachery Co., Fairview, N. J. Cotton goods in the piece. 311,648, Apr. 3, 1934. Republished Sept. 20. Class 42.
Bellsey, Dave, Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. 515,346–7, Sept. 20; Serial Nos. 545,946–7, published June 7, 1949. Class 39.
Belrich Corporation, New York, N. Y. Knitted and woven underwear, outer shirts, and sweaters. 515,479, Sept. 20; Serial No. 525,533. Class 39.
Bendix Aviation Corporation, Chicago, Ill., and South Bend, Ind. Shock struts. 296,592, Aug. 16, 1932. Amended. O. G. Sept. 20. Class 19.
Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassières. 515,415, Sept. 20; Serial No. 554,945, published June 7, 1949. Class 39.
Bermac Associates Inc., New York, N. Y. Periodical magazines, comic magazines. 515,321, Sept. 20; Serial No. 543,770, published June 7, 1949. Class 38.
Bernstein, H., & Co., Chicago, Ill. Men's, women's, and children's outer garments. 443,377, Sept. 20; Serial No. 504,426, published May 24, 1949. Class 39.
Bib-ex Corporation, St. Louis, Mo. Disposable baby bibs fabricated of paper. 515,250, Sept. 20; Serial No. 521,315, published June 14, 1949. Class 37.
Bill Brothers Publishing Corporation, New York, N. Y. Trade magazines and publications. 515,304, Sept. 20; Serial No. 539,264, published May 24, 1949. Class 38.
Billboard Publishing Co., The, Cincinnati, Ohio, and New York, N. Y. Magazine or periodical. 515,441, Sept. 20; Serial No. 560,600, published May 24, 1949. Class 38.
Black and Decker Manufacturing Company, The, Towson, Md. Portable load weighing scales. 515,393, Sept. 20; Serial No. 551,760, published May 24, 1949. Class 26.
Bodle, R. D., Co., doing business as Valley Fruit Canning Co., by R. D. Bodle Co., Seattle, Wash. Fresh, canned, and frozen fruits. 278,730, Dec. 30, 1930. Republished Sept. 20. Class 46.
Boorum & Pease Company, Brooklyn, N. Y. Loose leaf ring book covers. 515,286, Sept. 20; Serial No. 533,982, published May 10, 1949. Class 37.
Borg-Warner Corporation: *See*—
Norge Corporation.
Boss Manufacturing Company, The, Kewanee, Ill. Fabric gloves and mittens. 515,416–17, Sept. 20; Serial Nos. 555,050–1, published May 31, 1949. Class 39.
Botany Mills, Inc., Passaic, N. J. Hand knitting yarns. 515,449–50, Sept. 20; Serial Nos. 564,924–5, published May 10, 1949. Class 43.
Bowser, Inc.: *See*—
Bowser, S. F., & Co.
Bowser, S. F., & Co., to Bowser, Inc., Fort Wayne, Ind. Self-measuring pumps and tanks. 74,485, re-renewed July 13, 1949. O. G. Sept. 20. Class 26.
Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabrics. 515,513, Sept. 20; Serial No. 544,148. Class 55.
Breskin & Charlton Publishing Corporation, by Modern Packaging Corp., New York, N. Y. Monthly publication. 239,690, Mar. 6, 1928. Republished Sept. 20. Class 38.
Brooklyn Eagle, Inc., The, Brooklyn, N. Y. Column in a newspaper. 515,404, Sept. 20; Serial No. 553,337, published May 31, 1949. Class 38.
Brown & Bigelow, St. Paul, Minn. Writing instruments. 515,360, Sept. 20; Serial No. 547,612, published June 14, 1949. Class 37.
Brown Durrell Co., Boston, Mass., and New York, N. Y., to Brown Durrell Co., New York, N. Y. Men's, women's and children's underwear. 262,190, renewed Oct. 1, 1949. O. G. Sept. 20. Class 39.
Brown Durrell Co., Boston, Mass., and New York, N. Y., to Brown Durrell Co., New York, N. Y. Men's, women's, and children's underwear. 262,998, renewed Oct. 29, 1949. O. G. Sept. 20. Class 39.
Brownell & Field Co., Providence, R. I. Coffee. 48,977, Jan. 16, 1906. Republished Sept. 20. Class 46.
Bulova Watch Company, Inc., New York, N. Y. Watches. 515,494, Sept. 20; Serial No. 549,501. Class 27.
Burberrys Limited, London, England. Piece goods. 259,571, renewed Aug. 6, 1949. O. G. Sept. 20. Class 42.
Burberrys Limited, London, England. Clothing. 260,843, renewed Aug. 27, 1949. O. G. Sept. 20. Class 39.
Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Periodical publications, pamphlets, booklets and catalogs. 515,439. Sept. 20; Serial No. 559,576, published June 7, 1949. Class 38.
Business Collaborators Incorporated, St. Louis, Mo. Business and management planning and consultation services. 515,461, Sept. 20; Serial No. 527,394, published Nov. 30, 1948. Class 55.
Butler Paper Corporations, Chicago, Ill. Book paper, cover papers and post card stock. 515,488, Sept. 20; Serial No. 539,489. Class 37.
Camp, Harry, Millinery Company, San Francisco, Calif. Ladies' hats. 515,408–9, Sept. 20; Serial No. 554,471–2, published May 24, 1949. Class 39.
Cape Ann Manufacturing Co., Gloucester, Mass. Boys' and men's woolen, cotton, and leather coats. 430,665, June 17, 1947. Republished Sept. 20. Class 39.
Capewell Manufacturing Company, The, Hartford, Conn. Handles of hammers. 515,339, Sept. 20; Serial No. 545,338, published June 7, 1949. Class 23.
Capilano Timber Co. Ltd., Vancouver, British Columbia, Canada. Sawmill products. 248,144, Oct. 16, 1928. Republished Sept. 20. Class 12.
Caravetta Foods Co.: *See*—
Ehrat, Geo.
Carter's Ink Company, The, Cambridge, Mass. Latex adhesive. 439,761, July 20, 1948. Republished Sept. 20. Class 5.
Channel Bakers, Sacramento, Calif. Pies, breakfast pastries, doughnuts, etc. 508,273, Apr. 5, 1949. Corrected. O. G. Sept. 20. Class 46.
Chase Bag Company, The, New York, N. Y. Periodicals. 515,431, Sept. 20; Serial No. 558,465, published June 7, 1949. Class 38.
Cheshire Mailing Machines, Inc., Chicago, Ill. Mechanically and electrically operated addressing and mailing machines. 515,248, Sept. 20; Serial No. 516,955, published May 31, 1949. Class 23.
Chicago Kahn Bros.: *See*—
Royal Tailors Inc., The.
Chicago Macaroni Company, Chicago, Ill. Canned foods. 515,337, Sept. 20; Serial No. 544,975, published May 31, 1949. Class 46.
Chicago Pharmacal Company, Chicago, Ill. Preparation for hypertension. 395,672, June 2, 1942. Republished Sept. 20. Class 6.
Chini, Nicky, Milan, Italy. Neckties. 443,385, Sept. 20; Serial No. 519,925, published May 10, 1949. Class 39.
Chrisman, E. L., Company, Inc., Los Angeles, Calif. Equipment for dry cleaning and commercial laundry. 515,482, Sept. 20; Serial No. 533,004. Class 24.
Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Rubberized thread. 515,281, Sept. 20; Serial No. 533,141, published May 17, 1949. Class 43.
Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Rubberized thread. 515,282, Sept. 20; Serial No. 533,143, published May 17, 1949. Class 43.
Cleveland Mill and Power Company, Lawndale, N. C. Clothes lines. 515,457, Sept. 20; Serial No. 570,248, published June 14, 1949. Class 7.

Cleveland Provision Company: *See*—
Cleveland Provision Company, The.

Cleveland Provision Company, The, to Cleveland Provision Company, Cleveland, Ohio. Lard, port sausage, breakfast-bacon, etc. 75,503, re-renewed Oct. 12, 1949. O. G. Sept. 20. Class 46.

Clipper Manufacturing Company, Kansas City, Mo. Power and hand driven hoists and derricks. 515,379, Sept. 20; Serial No. 549,787, published June 14, 1949. Class 23.

Cluett, Peabody & Co., Inc., Troy, N. Y. Neckties. 515,369, Sept. 20; Serial No. 548,237, published May 24, 1949. Class 39.

Coast Envelope Company, Los Angeles, Calif. Bank check covers, bank passbooks, and book covers. 515,372, Sept. 20; Serial No. 548,331, published June 14, 1949. Class 37.

Cohn-Goldwater Manufacturing Co., Los Angeles, Calif. Men's and women's sport, dress, and work shirts. 515,299, Sept. 20; Serial No. 537,293, published May 31, 1949. Class 39.

Colton Razor Blade Company: *See*—
Ruple Blade Corporation.

Comet Rice Mills, Inc., Beaumont, Tex. Rice. 515,490, Sept. 20; Serial No. 542,084. Class 46.

Comfort Lines, Inc., Chicago, Ill. Leatherette covering material. 515,500, Sept. 20; Serial No. 553,682. Class 50.

Consolidated Cosmetics: *See*—
Savage, Inc.
Vivandou, Victor.

Cornell Wood Products Company, Cornell, Wis. Paperboard. 515,365, Sept. 20; Serial No. 547,898, published May 10, 1949. Class 37.

Cowles Magazines, Inc., New York, N. Y. Column of a regularly issued magazine. 428,909, Apr. 8, 1947. Republished Sept. 20. Class 38.

Crocker-McElwain Company, Holyoke, Mass. Writing paper. 77,906–8, May 17, 1910. Republished Sept. 20. Class 37.

Crocker-McElwain Company, Holyoke, Mass. Writing paper. 80,271, Nov. 29, 1910. Republished Sept. 20. Class 37.

Crocker-McElwain Company, Holyoke, Mass. Bond and index paper. 348,625, Aug. 10, 1937. Republished Sept. 20. Class 37.

Crown-Columbia Pulp and Paper Company, by Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 83,225, Aug. 29, 1911. Republished Sept. 20. Class 2.

Crown Controls Company, assignor to Crown Controls Company, Inc., by Crown Controls Company, Inc., New Bremen, Ohio. Electric temperature control mechanism. 435,848, Jan. 13, 1948. Republished Sept. 20. Class 26.

Crown Controls Company, Inc.: *See*—
Crown Controls Company.

Crown Willamette Paper Company: *See*—
Crown-Columbia Pulp and Paper Company.

Crown Zellerbach Corporation: *See*—
Crown-Columbia Pulp and Paper Company.

Curtis Publishing Company, Philadelphia, Pa. Magazine. 257,312, renewed June 4, 1949. O. G. Sept. 20. Class 38.

Dan River Mills, Incorporated: *See*—
Riverside Cotton Mills.

D'Arrigo Bros. Co., Boston, Mass., and San Jose, Calif., by D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. 271,918, June 17, 1930. Republished Sept. 20. Class 46.

D'Arrigo Bros. Co. of California: *See*—
D'Arrigo Bros. Co.

Davis, Joel Baily, Inc., Philadelphia, Pa. Hosiery and underwear for women and girls. 443,388, Sept. 20; Serial No. 521,504, published May 24, 1949. Class 39.

Decca Records, Inc., New York, N. Y. Series of books. 515,471, Sept. 20; Serial No. 517,777. Class 38.

Deck, Philibert, Zurich, Switzerland. Textile machinery. 515,468, Sept. 20; Serial No. 511,574. Class 23.

Dennison Manufacturing Company, Framingham, Mass. Blank and partially printed labels. 515,239, Sept. 20; Serial No. 504,886, published May 10, 1949. Class 37.

Dennison Manufacturing Company, Framingham, Mass. Tissue paper. 515,405, Sept. 20; Serial No. 553,479, published May 17, 1949. Class 37.

Dental Survey Publications, Minneapolis, Minn. Magazine. 515,309, Sept. 20; Serial No. 540,261, published June 7, 1949. Class 38.

Dodge, F. W., Corporation, New York, N. Y. Periodicals. 515,448, Sept. 20; Serial No. 563,867, published June 7, 1949. Class 38.

Dronsfield Brothers Limited, Oldham, England. Emery tapes and emery fillets. 426,229, Nov. 12, 1946. Republished Sept. 20. Class 4.

Dronsfield Brothers Limited, Oldham, England. Emery tapes, emery wheels, emery belts, etc. 433,846, Nov. 4, 1947. Republished Sept. 20. Class 4.

Dronsfield Brothers Limited, Oldham, England. Textile card grinding machines; textile roller, bowl and cylinder grinding machines, etc. 441,742, Jan. 4, 1949. Republished Sept. 20. Class 23.

Dwinnell Bros.: *See*—
Dwinnell, William S., estate of.

Dwinnell, William S., Estate of, deceased, doing business as Dwinnell Bros. Orchards, Minneapolis, Minn. Fresh apples. 515,342, Sept. 20; Serial No. 545,464, published May 31, 1949. Class 46.

Dynamatic Corporation, Kenosha, Wis. Dynamometers. 515,261, Sept. 20; Serial No. 527,433, published Mar. 16, 1948. Class 26.

Eastern Corporation, Bangor, Maine. Writing, printing, wrapping, bond, ledger, "mimmeograph," manifold papers and cardboard. 515,247, Sept. 20; Serial No. 518,062, published May 31, 1949. Class 37.

East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 515,300, Sept. 20; Serial No. 537,793, published May 31, 1949. Class 46.

Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Electronic computing apparatus and components thereof. 515,406, Sept. 20; Serial No. 553,827, published June 7, 1949. Class 26.

Eckhardt, Max, & Sons, Inc., New York, N. Y. Dolls. 441,410, Nov. 23, 1948. Republished Sept. 20. Class 22.

Efco Manufacturing, Inc., Hamilton, R. I. Wrenches and wrench parts. 443,387, Sept. 20; Serial No. 521,442, published June 14, 1949. Class 23.

Ehart, Geo., by Caravetta Foods Co., Chicago, Ill. Cheese. 110,314, May 16, 1916. Republished Sept. 20. Class 46.

Elkins, Agnes A., Elyria, Ohio. Sleeping garments for infants. 515,354, Sept. 20; Serial No. 547,249, published May 24, 1949. Class 39.

Elward, Nye K., Altadena, Calif. Hairpin openers. 515,484, Sept. 20; Serial No. 535,232. Class 40.

Endicott Johnson Corporation, Endicott, N. Y. Rubber-composition soles and heels, arctics and tennis shoes, and rubber boots and overshoes. 257,065, May 28, 1929. Republished Sept. 20. Class 39.

Englishtown Cutlery, Ltd., New York, N. Y. Tableware. 443,378, Sept. 20; Serial No. 507,307, published June 7, 1949. Class 23.

Enro Shirt Company, The, Louisville, Ky. Men's negligee and dress shirts, pajamas and sport shirts. 515,344, Sept. 20; Serial No. 548,832, published May 31, 1949. Class 39.

Esso Standard Oil Company: *See*—
Beacon Oil Company.

Evangeline Pepper & Food Products, Inc., St. Martinsville, La. Canned goods. 515,311, Sept. 20; Serial No. 540,656, published May 31, 1949. Class 46.

Everhard Manufacturing Company, The, Canton, Ohio., to Beh & Company Incorporated, New York, N. Y. Wire-cloth and cotton-cloth window ventilators. 256,057, renewed May 7, 1949. O. G. Sept. 20. Class 34.

Eversharp, Inc., Chicago, Ill. Fountain pens. 515,240, Sept. 20; Serial No. 506,516, published May 10, 1949. Class 37.

Exact Level & Tool Mfg. Co., Inc., High Bridge, N. J. Spirit levels. 515,411, Sept. 20; Serial No. 554,556, published June 7, 1949. Class 26.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Erasers, pencils, crayons, rubber bands, etc. 515,255, Sept. 20; Serial No. 524,177, published June 14, 1949. Class 37.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Rubber erasers and blackboard erasers, lead pencils, wood encased, crayon pencils, etc. 515,258, Sept. 20; Serial No. 525,810, published May 10, 1949. Class 37.

Famous-Sternberg, Inc., New Orleans, La. Men's and boys' suits and pants. 515,319, Sept. 20; Serial No. 542,825, published June 7, 1949. Class 39.

Farley Fruit Co., by Estate of R. W. Farley, Salinas, Calif. Fresh vegetables. 410,148, Nov. 7, 1944. Republished Sept. 20. Class 46.

Farley Fruit Co., by Estate of R. W. Farley, Salinas, Calif. Fresh vegetables. 410,220, Nov. 14, 1944. Republished Sept. 20. Class 46.

Farley, Reuben W., Estate of: *See*—
Farley Fruit Co.
Farley Fruit Company.

Farrel-Birmingham Company, Incorporated, Ansonia and Derby, Conn., and Buffalo, N. Y., to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Machines. 264,602, renewed Nov. 28, 1949. O. G. Sept. 20. Class 23.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits, overcoats, topcoats, ties, etc. 515,257, Sept. 20; Serial No. 524,534, published June 7, 1949. Class 39.

Fawcett Publications, Inc., Greenwich, Conn. Publication. 515,429, Sept. 20; Serial No. 557,741, published May 24, 1949. Class 38.

Feldco Loose Leaf Corporation, Chicago, Ill. Covering materials for loose-leaf binders. 515,463, Sept. 20; Serial No. 504,538. Class 50.

Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Pipe fittings. 515,316, Sept. 20; Serial No. 541,532, published June 7, 1949. Class 13.

Fleck Cigar Co., Ltd., by Yocum Brothers, Inc., Reading, Pa. Cigars. 95,087–8, Feb. 3, 1914. Republished Sept. 20. Class 17.

Fleet Oil Company: *See*—
Fleet Oil Co.

Fleet Oil Co., by Fleet Oil Company, La Follette, Tenn. Gasoline and lubricating oils and greases. 382,152, Oct. 15, 1940. Republished Sept. 20. Class 15.

Ford Motor Company, Dearborn, Mich. Bolts, screws, nuts, lock nuts, etc. 515,454, Sept. 20; Serial No. 569,134, published May 3, 1949. Class 13.

Ford Motor Company, Dearborn, Mich. Speedometers, ammeters, oil gauges, etc. 515,455, Sept. 20; Serial No. 569,145, published Mar. 29, 1949. Class 26.

Ford, Thomas L., doing business as Norman, Ford & Company, Tyler, Tex. Telescopic rifle sights. 515,510, Sept. 20; Serial No. 565,996. Class 26.

Formfit Comany, The, Chicago, Ill. Brassières, bandeaux, girdles, etc. 290,813, Jan. 19, 1932. Republished Sept. 20. Class 39.

Fragale, S. H.: *See*—
Fragale, Salvatore.

Fragale, Salvatore, doing business as H. S. Fragale, New York, N. Y. Knitted wear and infants' sport wear. 515,355, Sept. 20; Serial No. 547,262, published May 24, 1949. Class 39.

Frank Manufacturing Co., Inc.: *See*—
Seemann, Irene.

Franzella, Ann, doing business as Globe Kiddy Togs, Brooklyn, N. Y. Infants' knitted creepers and rompers, boys' and infants' knitted suits, polo shirts and cardigans. 515,252, Sept. 20; Serial No. 522,406, published June 7, 1949. Class 39.

French, Shriner & Urner, to French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 262,143, renewed Oct. 1, 1949. O. G. Sept. 20. Class 30.

French, Shriner & Urner Manufacturing Co.: *See*—
French, Shriner & Urner.

Gemsco, Inc., New York, N. Y. Pin base bars for holding military ribbon bars. 515,501, Sept. 20; Serial No. 555,747. Class 50.

General Binding Corporation, Chicago, Ill. Machines for attaching metal and/or plastic binding elements. 515,284, Sept. 20; Serial No. 533,560, published June 7, 1949. Class 23.

General Handkerchief Corporation, New York, N. Y. Handkerchiefs and scarfs. 515,279, Sept. 20; Serial No. 533,014, published May 24, 1949. Class 39.

General Mills, Inc., Minneapolis, Minn. Printed recipe cards. 515,266, Sept. 20; Serial No. 529,626, published May 24, 1949. Class 38.

Germain Seed and Plant Company, Los Angeles, Calif. Paper tape with a wire core. 515,259, Sept. 20; Serial No. 526,690, published May 17, 1949. Class 7.

Germain Seed and Plant Company, Los Angeles, Calif. Paper tape with wire core. 515,260, Sept. 20; Serial No. 526,719, published May 17, 1949. Class 7.

Gettler-Montanye, Inc., Baltimore, Md. Mechanical pencils. 515,370, Sept. 20; Serial No. 548,251, published May 10, 1949. Class 37.

Gettinger, Jos. & Ben., Mission, Tex. Fresh vegetables. 515,308, Sept. 20; Serial No. 540,066, published May 31, 1949. Class 46.

Gilman Paper Company, New York, N. Y. Paper bags. 264,193–6, Nov. 19, 1929. Corrected. O. G. Sept. 20. Class 2.

Gilman Paper Company, New York, N. Y. Paper bags. 267,795, Mar. 4, 1930. Corrected. O. G. Sept. 20. Class 2.

Globe Kiddy Togs: *See*—
Franzella, Ann.

Golden Gate Products: *See*—
Jacobs, John.

Goldstein, M. I., & Sons, New York, N. Y. Mercerized thread. 515,503, Sept. 20; Serial No. 558,227. Class 43.

Good Luck Glove Company, Carbondale, Ill. Work gloves. 515,265, Sept. 20; Serial No. 529,157, published Oct. 12, 1948. Class 39.

Goodman & Suss Clothes Corporation, New York, N. Y. Suits and topcoats for men and young men. 515,375, Sept. 20; Serial No. 548,727, published May 24, 1949. Class 39.

Goodman & Suss Clothes Corporation, New York, N. Y. Suits and overcoats for men. 515,376, Sept. 20; Serial No. 548,733, published May 24, 1949. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., to The B. F. Goodrich Company, Akron, Ohio. Buckets, jars, and dippers. 258,459, renewed July 9, 1949. O. G. Sept. 20. Class 2.

Gradis Company, Inc., New York, N. Y. Combination uplift bra and slip. 515,378, Sept. 20; Serial No. 549,243, published May 24, 1949. Class 39.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Horse feed. 515,327, Sept. 20; Serial No. 544,565, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Scratch feed and laying mash feeds etc. 515,328, Sept. 20; Serial No. 544,566, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Chick starter. 515,329, Sept. 20; Serial No. 544,567, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Chick feed, growing mash, etc. 515,330, Sept. 20; Serial No. 544,568, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Hog supplement feed. 515,331, Sept. 20; Serial No. 544,569, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Dairy feed. 515,332, Sept. 20; Serial No. 544,570, published May 31, 1949. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Pig meal. 515,333, Sept. 20; Serial No. 544,571, published May 31, 1949. Class 46.

Gribbon Company, Inc., New York, N. Y. Piece goods. 263,543, renewed Nov. 5, 1949. O. G. Sept. 20. Class 42.

Haas, John I., Inc., Washington, D. C. Hops. 515,489, Sept. 20; Serial No. 539,819. Class 1.

Haering, D. W., & Company, by D. W. Haering & Co., Inc., Chicago, Ill. Preparation primarily intended for preventing the formation of and for removing scale, etc. 292,257, Mar. 8, 1932. Republished Sept. 20. Class 6.

Haering, D. W., & Co., Inc.: *See*—
Haering, D. W., & Company.

Haering, D. W., & Company, Inc., Chicago, Ill. Preparation for application to metal to prevent or arrest corrosion. 373,080, Nov. 21, 1939. Republished Sept. 20. Class 6.

Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product. 390,866. Oct. 7, 1941. Republished Sept. 20. Class 6.

Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product. 407,219, May 23, 1944. Republished Sept. 20. Class 6.

Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product. 407,465, June 6, 1944. Republished Sept. 20. Class 6.

Haering, D. W., & Co., Inc., Chicago, Ill. Chemical product. 417,513, Oct. 30, 1945. Republished Sept. 20. Class 6.

Halvorson, M. K., Dows, Iowa. Magnetic sound records, and electric sound recording apparatus. 515,464, Sept. 20; Serial No. 505,647. Class 21.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Cleaning rubber erasers. 515,288, Sept. 20; Serial No. 534,114, published June 7, 1949. Class 37.

Harvey & Howe, Inc., Chicago, Ill. Publication. 289,339, Aug. 5, 1941. Republished Sept. 20. Class 38.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 410,778, Dec. 19, 1944. Republished Sept. 20. Class 38.

Heating Publishers, Inc., New York, N. Y. Mimeographed monthly service bulletin. 515,427, Sept. 20; Serial No. 557,192, published June 7, 1949. Class 38.

Helleman, G., Brewing Co., to G. Helleman Brewing Co., La Crosse, Wis. Beer. 74,871, re-renewed July 6, 1949. O. G. Sept. 20. Class 48.

Hendricks, C. T., doing business as Trucrete Products, Kansas City, Mo. Blocks formed of cementitious substances. 515,477, Sept. 20; Serial No. 532,063. Class 12.

Henney Motor Company, by Henney Motor Company, Inc., Freeport, Ill. Motor-driven ambulances, hearses, funeral coaches, etc. 303,235, May 16, 1933. Republished Sept. 20. Class 19.

Henney Motor Company, by Henney Motor Company, Inc., Freeport, Ill. Hearses, funeral coaches, and combination funeral cars. 322,870, Mar. 26, 1935. Republished Sept. 20. Class 19.

Henney Motor Company, by Henney Motor Company, Inc., Freeport, Ill. Motor hearses, motor ambulances, convertible motor hearses-ambulances, etc. 357,255, May 31, 1938. Republished Sept. 20. Class 19.

Henney Motor Company, Inc.: *See*—
Henney Motor Company.

Hoffmaster Paper Company, Inc., Oshkosh, Wis. Paper napkins. 515,474, Sept. 20; Serial No. 521,388. Class 37.

Holly Molding Devices, Inc., Chicago, Ill. Automatic electrically operated hamburger patty molding machine. 515,256, Sept. 20; Serial No. 524,463, published June 7, 1949. Class 23.

Holsclaw Bros., Inc., Evansville, Ind. Wheeled trailers for mounting, transporting, launching and retrieving boats. 515,472, Sept. 20; Serial No. 519,661. Class 19.

Home Service Bureau, Inc.: *See*—
Sterling-Freeland Industries, Inc.

Hone, J. P., Corporation, Youngstown, Ohio. Honing machines, and parts thereof. 515,249, Sept. 20; Serial No. 520,278, published June 14, 1949. Class 23.

Honolulu Star-Bulletin, Ltd., Honolulu, Territory of Hawaii. Periodical. 515,320, Sept. 20; Serial No. 542,830, published May 31, 1949. Class 38.

Hoover, Hubbard, New York, N. Y. Newspaper and magazine column. 437,122, Mar. 9, 1948. Republished Sept. 20. Class 38.

Houston Milling Company, by Arrow Mills, Inc., Houston, Tex. Wheat flour. 348,504–5, July 27, 1937. Republished Sept. 20. Class 46.

Houston Milling Company, by Arrow Mills, Inc., Houston, Tex. Wheat flour. 348,647, Aug. 3, 1937. Republished Sept. 20. Class 46.

Hurd, George B., Inc., New York, N. Y. Writing paper and envelopes. 515,317, Sept. 20; Serial No. 541,532, published June 14, 1949. Class 37.

Hurd, George B., Inc., New York, N. Y. Writing paper and envelopes. 515,318, Sept. 20; Serial No. 541,533, published June 14, 1949. Class 37.

Huribut Paper Company, South Lee, Mass. Writing and printing paper. 515,334, Sept. 20; Serial No. 544,695, published June 7, 1949. Class 37.

Thrie, W. P., and Sons. Baltimore, Md. Potato chips. 515,462, Sept. 20; Serial No. 502,439. Class 46.

Imperial Chemical Industries, Limited, Slough, England. Synthetic threads and yarns. 515,460, Sept. 20; Serial No. 576,331, published June 7, 1949. Class 43.

Indian River Textile Co., Inc., Ozark, Ala. Children's wearing apparel. 515,407, Sept. 20; Serial No. 553,862, published May 31, 1949. Class 39.

International Dress Company, Inc., New York, N. Y. Women's and misses' dresses. 515,245–6, Sept. 20; Serial Nos. 512,779–80, published May 24, 1949. Class 39.

Irvington Company, The: *See*—
Philippe, Louis P.

Ivo, Inc.: *See*—
Philippe, Louis P.

J & M Products Co., Brooklyn, N. Y. Optical goods. 515,440, Sept. 20; Serial No. 560,275, published May 24, 1949. Class 26.

Jackson Brewing Company, New Orleans, La. Nonalcoholic, noncereal, maltless beverages. 262,858, renewed Oct. 29, 1949. O. G. Sept. 20. Class 45.

Jacobs, John, doing business as Golden Gate Products, Berkeley, Calif. Canned spiced fruits. 515,470, Sept. 20; Serial No. 514,607. Class 46.

Jaeger Machine Company, The, Columbus, Ohio. Concrete-mixing machines. 263,109, renewed Oct. 29, 1949. O. G. Sept. 20. Class 23.

Jantsen Knitting Mills Inc., Portland, Oreg. Men's, women's and children's apparel. 515,367, Sept. 20; Serial No. 548,083, published May 24, 1949. Class 39.

Jelly Kids Togs, Chicago, Ill. Children's wearing apparel. 515,343, Sept. 20; Serial No. 545,488, published June 7, 1949. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's clothing. 515,296, Sept. 20; Serial No. 535,852, published May 10, 1949. Class 39.

Kansas City Wholesale Grocery Co., Kansas City, Mo., to Pickwick Products, Inc., Kansas City, Kans. Canned vegetables, canned fruits, dried fruits, etc. 74,505, re-renewed July 20, 1949. O. G. Sept. 20. Class 46.

Kant Luse Billfold Company: *See*—
Shively, George B.

Karolton Envelope Company, Chicago, Ill. Blank cards and sheets, etc. 515,301, Sept. 20; Serial No. 537,801, published June 14, 1949. Class 37.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. 515,425–6, Sept. 20; Serial Nos. 557,137–8, published June 7, 1949. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. 515,434, Sept. 20; Serial No. 558,726, published June 7, 1949. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. 515,435, Sept. 20; Serial No. 558,793, published June 7, 1949. Class 26.

Koppers Company, Inc.: *See*—
American Tar Products Company.
White Tar Company of New Jersey, Inc., The.

Kowalski, Stephen A., doing business as South Bend Fabric Mat Company, South Bend, Ind. Door mats and floor mats. 515,476, Sept. 20; Serial No. 521,737. Class 50.

Kreider, A. S., Shoe Co., The, Annville, Pa. Misses', girls', and children's shoes. 276,544, Oct. 21, 1930. Republished Sept. 20. Class 39.

Kuhlman Electrical Co., Bay City, Mich. Electric rocking furnaces. 515,483, Sept. 20; Serial No. 534,027. Class 24.

Lake City Machine Shop: *See*—
Seamann, Irene.

Laros Textiles Company, Bethlehem, Pa. Ladies' slips. 438,448, Apr. 20, 1948. Republished Sept. 20. Class 39.

Laros Textiles Company, Bethlehem, Pa. Ladies' undergarments. 515,295, Sept. 20; Serial No. 535,720, published May 31, 1949. Class 39.

Laura Hair Novelty Co.: *See*—
Thau, Chas. K.

Lea & Perrins, to Lea & Perrins, Inc., New York, N. Y. Sauce for roast meats, steaks, etc. 21,208, May 31, 1892. New certificate. O. G. Sept. 20. Class 46.

Lea & Perrins, Inc.: *See*—
Lea & Perrins.

Lee & Cady, Detroit, Mich. Canned food products, condiments, etc. 442,146, Mar. 1, 1949. Republished Sept. 20. Class 46.

Lees, James, and Sons Company, Bridgeport, Pa. Yarns. 515,436, Sept. 20; Serial No. 558,886, published May 10, 1949. Class 43.

Lees, James, and Sons Company, Bridgeport, Pa. Yarns. 515,437, Sept. 20; Serial No. 558,890, published May 10, 1949. Class 43.

Lees, James, and Sons Company, Bridgeport, Pa. Yarns. 515,438, Sept. 20; Serial No. 558,892, published May 10, 1949. Class 43.

Leroux and Company, Inc., Philadelphia, Pa. Rock and rye. 377,481, May 7, 1940. Amended. O. G. Sept. 20. Class 49.

Limerick Yarn Mills, Manchester, N. H. Weaving yarns, knitting yarns, and specialty yarns. 515,452, Sept. 20; Serial No. 565,944, published June 7, 1949. Class 43.

Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. 233,790–800, Oct. 11, 1927. Republished Sept. 20. Class 46.

Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. 242,971, June 5, 1928. Republished Sept. 20. Class 46.

Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. 255,511, Apr. 23, 1929. Republished Sept. 20. Class 46.

Little Debs Dress Manufacturing Co. Inc., St. Louis, Mo. Infants' and children's dresses. 515,418, Sept. 20; Serial No. 554,679, published June 7, 1949. Class 39.

Lugene, Inc., New York, N. Y. Lorgnettes, eyeglasses, and spectacles, etc. 515,428, Sept. 20; Serial No. 557,367, published June 7, 1949. Class 26.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. 515,362, Sept. 20; Serial No. 547,740, published May 24, 1949. Class 39.

Macart Advertising Company, Kansas City, Mo., assignor to J. L. McKay, Kansas City, Mo. Cartoons. 515,442, Sept. 20; Serial No. 561,473, published June 7, 1949. Class 38.

Madison-Kipp Corporation, Madison, Wis. Pressure-fluid operated grinding, cutting, buffing, cleaning, and polishing tools, etc. 515,277, Sept. 20; Serial No. 532,840, published June 7, 1949. Class 23.

Malden Form Brassiere Co., Inc., New York, N. Y. Women's underwear. 307,816, Nov. 7, 1933. Republished Sept. 20. Class 39.

Malden Form Brassiere Co., Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 322,314, Mar. 5, 1935. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Bathing trunks. 352,919, Dec. 14, 1937. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. 364,000, Jan. 17, 1939. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 383,389, Dec. 3, 1940. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Articles of wearing apparel. 391,238, Oct. 28, 1941. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Neckties. 401,557, May 25, 1943. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Bathing trunks and bathing suits. 407,361, May 80, 1944. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. 407,522, June 6, 1944. Republished Sept. 20. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 408,117, July 18, 1944. Republished Sept. 20. Class 39.

Maniscola, Joseph, & Company, New York, N. Y. Blouses, suits, dresses, and jackets. 443,389, Sept. 20; Serial No. 521,671, published May 31, 1949. Class 39.

Mann Overall Company, Inc., El Paso, Tex. Overalls and denim pants and denim jackets. 443,381, Sept. 20; Serial No. 513,749, published May 31, 1949. Class 39.

Manor Craft Co.: *See*—
Vieter, Bernard.

Marriott, Robert E., Battle Creek, Mich. Correspondence paper and stationery. 443,383, Sept. 20; Serial No. 517,790, published June 7, 1949. Class 37.

Martin's, Brooklyn, N. Y. Men's and boys' clothing, etc. 515,323–4, Sept. 20; Serial Nos. 544,361–2, published May 31, 1949. Class 39.

Martin's, Brooklyn, N. Y. Ladies' hose, knitted underwear, and underwear of textile fabric, etc. 515,325, Sept. 20; Serial No. 544,363, published May 24, 1949. Class 39.

Master Electric Company, The, Dayton, Ohio. Machine tool drives. 381,195, Sept. 17, 1940. Republished Sept. 20. Class 23.

Mastercraft Foundations, New York, N. Y. Corsets, girdles, and foundation garments. 515,307, Sept. 20; Serial No. 539,726, published May 31, 1949. Class 39.

Matthews, W. N., Corporation, St. Louis, Mo. Thermostatic electric-relay switches. 515,473, Sept. 20; Serial No. 520,516. Class 26.

McCrory Stores Corporation, New York, N. Y. Knitting yarn. 515,453, Sept. 20; Serial No. 568,966, published May 24, 1949. Class 43.

McCrosky Tool Corporation, Meadville, Pa. Chucks and collets. 515,392, Sept. 20; Serial No. 551,718, published June 14, 1949. Class 23.

McDowell Manufacturing Company, Millvale, Pa. Hand operated presses. 515,244, Sept. 20; Serial No. 512,186, published June 14, 1949. Class 23.

McNay, John L., assignor: *See*—
Macart Advertising Company.

McVeigh & Company, Inc., Kansas City, Mo. Poultry and livestock feed. 515,492, Sept. 20; Serial No. 548,009. Class 46.

Medal Brick & Tile Co., The, Wooster, Ohio. Brick. 192,945, Dec. 16, 1924. Republished Sept. 20. Class 12.

Melrod Products, Inc., New York, N. Y. Decorated combs and hair barrettes, etc. 515,502, Sept. 20; Serial No. 556,978. Class 40.

Michelsons Limited, London E. C. 2, England. Ties, dressing gowns, and scarves. 515,386, Sept. 20; Serial No. 550,816, published May 31, 1949. Class 39.

Miller, I., & Company, Limited, London, England. Children's clothing. 515,414, Sept. 20; Serial No. 554,802, published June 7, 1949. Class 39.

Mirror Press, Inc., Springfield, Mass. Monthly magazine. 257,368, renewed June 4, 1949. O. G. Sept. 20. Class 38.

Modern Packaging Corp.: *See*—
Breskin & Charlton Publishing Corporation.

Moorman Manufacturing Company, Quincy, Ill. Publication. 515,237, Sept. 20; Serial No. 498,245, published May 24, 1949. Class 38.

Moto-Mower Company, The, Detroit, Mich. Power-driven lawnmowers. 515,280, Sept. 20; Serial No. 533,041, published June 7, 1949. Class 23.

Munising Paper Company, The, Chicago, Ill. Wrapping paper. 515,278, Sept. 20; Serial No. 532,954, published June 14, 1949. Class 37.

Murphy Oil Company, East Whittier, by Murphy Ranch Company, Whittier, Calif. Lemons. 115,785, Mar. 6, 1917. Republished Sept. 20. Class 46.

Murphy Oil Company, East Whittier, by Murphy Ranch Company, Whittier, Calif. Oranges, lemons, and grapefruit. 116,344, Apr. 24, 1917. Republished Sept. 20. Class 46.

Murphy Ranch Company: *See*—
Murphy Oil Company.

Mutual beneficial Association of Pennsylvania Railroad, Employees, Incorporated, Philadelphia, Pa. Periodical. 261,059, renewed Sept. 3, 1949. O. G. Sept. 20. Class 38.

Mutual Stationers Supply Corporation, New York, N. Y. Hand operated paper punches. 515,283, Sept. 20; Serial No. 533,189, published June 7, 1949. Class 23.

National Association of Hotel and Restaurant Meat Purveyors, Chicago, Ill. Compilation and distribution of trade information. 515,512, Sept. 20; Serial No. 528,364. Class 55.

National Sewing Machine Company, Belvidere, Ill. Sewing machines and attachments. 515,398–9, Sept. 20; Serial Nos. 552,357–8, published June 7, 1949. Class 23.

National Silver Company, New York, N. Y. Clocks. 258,604, renewed July 9, 1949. O. G. Sept. 20. Class 27.

National Telephone Supply Company, The, Cleveland, Ohio. Compression tools. 515,297, Sept. 20; Serial No. 536,627, published June 14, 1949. Class 23.

National Telephone Supply Company, The, Cleveland, Ohio. Compression tools. 515,298, Sept. 20; Serial No. 536,708, published June 14, 1949. Class 23.

Nebel Knitting Company, Charlotte, N. C. Ladies' full fashioned and seamless hosiery. 515,302, Sept. 20; Serial No. 538,436, published May 24, 1949. Class 39.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Machinery packing. 73,019–20, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Belting, hose, and machinery packing. 73,021, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Belting and hose. 73,022, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Hose. 73,024–5, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Hose. 73,028, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Hose. 73,031, Mar. 9, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Belting and hose. 73,140, Mar. 16, 1909. Republished Sept. 20. Class 35.

New York Belting and Packing Company, Limited, by United States Rubber Company, New York, N. Y. Belting, hose, and machinery packing. 73,164, Mar. 23, 1909. Republished Sept. 20. Class 35.

Ninon Brassiere Mfg. Co., New York, N. Y. Brassières. 515,430, Sept. 20; Serial No. 558,314, published June 7, 1949. Class 39.

Norge Corporation, Detroit, Mich., to Borg-Warner Corporation, Chicago, Ill. Refrigerators. 255,970, renewed Apr. 30, 1949. O. G. Sept. 20. Class 31.

Norman, Ford & Company: *See*—
Ford, Thomas L.

North American Products Company: *See*—
Segal, Arthur R.

Norwich Knitting Company, Norwich, N. Y. Polo shirts, knit jackets, and sweaters for men, women, and children. 515,356, Sept. 20; Serial No. 547,270, published May 17, 1949. Class 39.

Norwich Knitting Company, Norwich, N. Y. Union suits, undershirts, drawers, etc. 515,359, Sept. 20; Serial No. 547,359, published May 24, 1949. Class 39.

Norwich Knitting Company, Norwich, N. Y. Knitted underwear. 515,366, Sept. 20; Serial No. 547,935, published May 31, 1949. Class 39.

Olympic Glove Company, Inc., The, New York, N. Y. Protective apparel. 515,353, Sept. 20; Serial No. 547,143, published June 7, 1949. Class 39.

Olympic Glove Company, Inc., The, New York, N. Y. Protective apparel. 515,389, Sept. 20; Serial No. 551,192, published May 24, 1949. Class 39.

Oster, John, Manufacturing Company, Racine, Wis. Hair clippers. 515,364, Sept. 20; Serial No. 547,869, published June 14, 1949. Class 23.

Pacific Fruit Exchange, San Francisco, Calif. Fresh deciduous fruits. 263,406, renewed Nov. 5, 1949. O. G. Sept. 20. Class 46.

Panef Manufacturing Co., Inc., Milwaukee, Wis. Miniature buoy. 515,481, Sept. 20; Serial No. 530,558. Class 50.

Patent Scaffolding Co., Inc., The, Long Island City, N. Y. Scaffolding and parts thereof. 515,507, Sept. 20; Serial No. 561,375. Class 50.

Peerless Rubber Manufacturing Company, by United States Rubber Company, New York, N. Y. Hose and machinery packing. 72,568, Feb. 2, 1909. Republished Sept. 20. Class 35.

Peerless Rubber Manufacturing Company, by United States Rubber Company, New York, N. Y. Belting and hose. 72,668, Feb. 9, 1909. Republished Sept. 20. Class 35.

Peerless Rubber Manufacturing Company, by United States Rubber Company, New York, N. Y. Belting, hose, and machinery packing. 72,879, Mar. 2, 1909. Republished Sept. 20. Class 35.

Perdue Manufacturing Company, Inc., Athens, Ga. Men's and boys' work and sport clothing. 515,326, Sept. 20; Serial No. 544,382, published May 31, 1949. Class 39.

Person's Index Facts on File, Inc., New York, N. Y. Monthly publication. 515,444, Sept. 20; Serial No. 562,491, published June 7, 1949. Class 38.

Pfaudler Co., The, Rochester, N. Y. House magazine. 264,458, renewed Nov. 26, 1949. O. G. Sept. 20. Class 38.

Philippi, Louis P., doing business as The Irvington Company, Cable, by Ivo, Inc., Cedar Lake, West Bend, Wis. Ointments. 246,886, Sept. 18, 1928. Republished Sept. 20. Class 6.

Philippine Embroidery Corp., New York, N. Y. Infant dresses, dress sets, christening sets, etc. 515,445, Sept. 20; Serial No. 562,804, published May 24, 1949. Class 39.

Phillips Packing Company, Inc.: *See*—
Phillips Sales Company, Inc.

Phillips Sales Company, Inc., by Phillips Packing Company, Inc., Cambridge, Md. Canned vegetables. 233,647, June 2, 1931. Republished Sept. 20. Class 46.

Pickwick Products, Inc.: *See*—
Kansas City Wholesale Grocery Co.

Pierce, C. S., Dressing Company, Brockton, Mass. Liquid leather polish. 260,970, renewed Sept. 3, 1949. O. G. Sept. 20. Class 4.

Pierce, C. S., Dressing Company, Brockton, Mass. Liquid cleansing preparation. 260,971, renewed Sept. 3, 1949. O. G. Sept. 20. Class 4.

Pierce, C. S., Dressing Company, Brockton, Mass. Liquid preparation for cleaning and polishing leathers. 260,972, renewed Sept. 3, 1949. O. G. Sept. 20. Class 4.

Pierce Company: *See*—
Pierce, Russell.

Pierce, Russell, doing business as Pierce Company, San Francisco, Calif. Clean up kit for cats and dogs. 515,476, Sept. 20; Serial No. 522,089. Class 50.

Pincus Brothers, Incorporated, Philadelphia, Pa. Men's suits, coats, pants, vests, topcoats, and overcoats. 515,363, Sept. 20; Serial No. 547,762, published June 7, 1949. Class 39.

Pinto, Peter, doing business as Shirley White Polish Co., Brooklyn, N. Y. Shoe polish for all white shoes. 515,485, Sept. 20; Serial No. 536,131. Class 4.

Plaikins, Incorporated, New York, N. Y. Children's clothing. 515,412, Sept. 20; Serial No. 554,596, published May 24, 1949. Class 39.

Plane Facts Publishing Company, Dayton, Ohio. Periodical publications. 515,480, Sept. 20; Serial No. 529,083. Class 38.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Coats, suits, mackinaws, etc. 515,465, Sept. 20; Serial No. 509,461. Class 39.

Pocket Publications Limited, London, England. Periodical printed publications. 515,447, Sept. 20; Serial No. 563,430, published June 7, 1949. Class 38.

Polk Miller Products Corporation, Richmond, Va. Tick killer in powder form and skin balm for use on dogs. 515,478, Sept. 20; Serial No. 524,348. Class 6.

Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. 515,420, Sept. 20; Serial No. 555,613, published May 10, 1949. Class 43.

Pollak, Henry, Inc., New York, N. Y. Hat bodies. 515,397, Sept. 20; Serial No. 552,269, published May 24, 1949. Class 39.

Port Huron Sulphite & Paper Co., Port Huron, Mich. Mill stock paper. 515,273, Sept. 20; Serial No. 531,834, published June 14, 1949. Class 37.

Portland Packing Co., Portland, Maine. Canned vegetables. 515,368, Sept. 20; Serial No. 548,176, published May 31, 1949. Class 46.

Power Development Co., Inc., Cleveland, Ohio. Lawn mowers. 515,390, Sept. 20; Serial No. 551,309, published June 7, 1949. Class 23.

Pritchard, E., Inc., Bridgeton, N. J. Orange marmalade, apple butter, fruit preserves, jams and jellies. 515,310, Sept. 20; Serial No. 540,315, published May 31, 1949. Class 46.

Progressive Educators, Inc., Chicago, Ill. Magazines. 443,279, Sept. 20; Serial No. 508,440, published May 31, 1949. Class 38.

Purex Corporation, Ltd., South Gate, Calif. Bleach and water softener. 312,493, May 1, 1934. Republished Sept. 20. Class 6.

Quinn Publishing Company, Incorporated, Kingston, N. Y. Books. 515,422, Sept. 20; Serial No. 556,485, published May 24, 1949. Class 38.

R C Products Inc., Brooklyn, N. Y. Plastic aprons. 515,388, Sept. 20; Serial No. 551,043, published June 7, 1949. Class 39.

Railton, R. A., Co., Chicago, Ill. Molasses; mustard; tomato catsup, etc. 162,870, Dec. 26, 1922. Republished Sept. 20. Class 46.

Reck, H., Co., Elgin, Ill. Berry preserves, jellies and jams. 515,496, Sept. 20; Serial No. 551,310. Class 46.

Red Devil Tools, Irvington, N. J. Non-electric floor polishers and metal-working and woodworking lathes. 515,348, Sept. 20; Serial No. 546,606, published June 14, 1949. Class 23.

Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature. 515,243, Sept. 20; Serial No. 510,277, published May 24, 1949. Class 38.

Rifkin, William, & Sons, Philadelphia, Pa. Men's, ladies' and children's nightgowns, pajamas and underwear. 515,522, Sept. 20; Serial No. 543,990, published May 31, 1949. Class 39.

Rival Trouser Co., Inc., New York, N. Y. Men's and boys' trousers and slacks. 515,499, Sept. 20; Serial No. 552,009. Class 39.

Riverside Cotton Mills, to Dan River Mills, Incorporated, Danville, Va. Cotton plaids, checks, cheviots, etc. 73,903, re-renewed June 1, 1949. O. G. Sept. 20. Class 42.

Robbins & Myers, Inc., Springfield, Ohio. Overhead hoists. 515,285, Sept. 20; Serial No. 533,777, published June 7, 1949. Class 23.

Robco Corporation, New York, N. Y. Meters to collect coins for washing and other machines. 515,509, Sept. 20; Serial No. 564,290. Class 26.

Rock Run Mills, Goshen, Ind. Leg and body covers. 257,252, renewed June 4, 1949. O. G. Sept. 20. Class 39.

Rockwell-Barnes Company, Chicago, Ill. Letter trays and card index guides. 515,251, Sept. 20; Serial No. 521,824, published May 10, 1949. Class 37.

Rockwell Manufacturing Company, Pittsburgh, Pa. Wood working machines, safety shields, power tools, etc. 515,291, Sept. 20; Serial No. 524,358, published June 14, 1949. Class 23.

Roll-A-Way Bed Corporation, to Roll-A-Way Corporation, Chicago, Ill. Household couches, beds, mattresses, etc. 257,426, renewed June 4, 1949. O. G. Sept. 20. Class 32.

Roll-A-Way Corporation: *See*—
Roll-A-Way Bed Corporation.

Royal Manufacturing Company, Inc., Allentown, Pa. Dress, negligee, and sport shirts and underwear. 439,241, June 8, 1948. Republished Sept. 20. Class 39.

Royal Tailors Inc., The, assignor to Chicago Kahn Bros., Chicago, Ill. Men's suits, vests, trousers, etc. 443,390, Sept. 20; Serial No. 525,954, published May 24, 1949. Class 39.

Royal Tailors Inc., The, assignor to Chicago Kahn Bros., Chicago, Ill. Men's suits, vests, trousers, etc. 515,270, Sept. 20; Serial No. 530,850, published May 24, 1949. Class 39.

Rubie Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 257,684, renewed June 18, 1949. O. G. Sept. 20. Class 28.

Rubin-Feld, assignor to Rubin-Feld Inc., New York, N. Y. Women's coats and suits. 443,374, Sept. 20; Serial No. 474,700, published May 24, 1949. Class 39.

Rubin-Feld Inc.: *See*—
Rubin-Feld.

Sacks-Barlow Foundries, Inc.: *See*—
Sacks, Louis.

Sacks, Louis, to Sacks-Barlow Foundries, Inc., Newark, N. J. Heel-plates. 75,324, re-renewed Sept. 21, 1949. O. G. Sept. 20. Class 13.

Saemann, Irene, doing business as Lake City Machine Shop, assignor, by mesne assignments, to Frank Manufacturing Co., Inc., Mentone, Ind. Coulters designed for use on breaking plows. 515,380, Sept. 20; Serial No. 549,845, published June 14, 1949. Class 23.

Sangers, Limited, London, England. Preparation for softening and improving the skin and for allaying irritation and roughness. 261,040, renewed Sept. 3, 1949. O. G. Sept. 20. Class 6.

Savage, Inc., now by consolidation Associated Distributors, Inc., by Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, face powder, etc. 334,173, Apr. 21, 1936. Republished Sept. 20. Class 6.

Schiff, Lawrence, Silk Mills, New York, N. Y. Taffeta seam bindings. 515,495, Sept. 20; Serial No. 550,953. Class 40.

Schleider, Frans Karl, doing business as Albion Engineering Co., Philadelphia, Pa. Caulking guns. 515,314, Sept. 20; Serial No. 541,198, published June 7, 1949. Class 23.

Schuylkill Paper Company, Philadelphia, Pa. End sheet paper, end leaf paper, and binder's waste. 515,294, Sept. 20; Serial No. 535,634, published June 14, 1949. Class 37.

Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Interchangeable tubular glass parts, stoppers and stopcocks for glass chemical apparatus and glass scientific appliances for laboratory uses. 515,402, Sept. 20; Serial No. 553,136, published June 7, 1949. Class 26.

Scott, Rufus W., Company, to Bacon-Scott Company, Inc., New York, N. Y. Hosiery. 263,261, renewed Nov. 5, 1949. O. G. Sept. 20. Class 39.

Scott, Rufus W., Company, to Bacon-Scott Company, Inc., New York, N. Y. Hosiery. 263,533, renewed Nov. 5, 1949. O. G. Sept. 20. Class 39.

Scott Signs Company, Chicago, Ill. Non-electrical signs and non-electrical letters for signs. 515,467, Sept. 20; Serial No. 510,733. Class 50.

Scottdel, Inc., Swanton, Ohio. Corn shellers, feed mixers, and grain conveyors. 515,382, Sept. 20; Serial No. 550,076, published June 14, 1949. Class 23.

Scully Rubber Mfg. Co., Baltimore, Md. Tank balls. 515,401, Sept. 20; Serial No. 545,394. Class 13.

Sea Island Manufacturing Company, Inc., New York, N. Y., assignor to Tempest Shirt Mfg. Co., Inc., Jesup, Ga. Boys' outer shirts. 515,338, Sept. 20; Serial No. 545,042, published May 31, 1949. Class 39.

Seamless Rubber Company, The: *See*—
Seamless Rubber Company, Inc., The.

Seamless Rubber Company, Inc., The, to The Seamless Rubber Company, New Haven, Conn. Adhesive tape. 258,893, renewed July 16, 1949. O. G. Sept. 20. Class 5.

Segal, Arthur R., doing business as North American Products Company, Milwaukee, Wis. Carbide tipped circular saws. 515,272, Sept. 20; Serial No. 530,970, published June 7, 1949. Class 23.

Self-Style Ladies Hand Bags Co., Inc., Union City, N. J. Ladies' hand bags. 515,498, Sept. 20; Serial No. 551,660. Class 3.

Serravallo, J., Trieste, Italy. Medicinal preparation. 515,505, Sept. 20; Serial No. 560,231. Class 6.

Sewing Silks Limited, Middlesex, England. Hand knitting yarns. 515,419, Sept. 20; Serial No. 555,456, published May 24, 1949. Class 43.

Shaw, Herbert R., Hints, England. Testing instruments. 515,401, Sept. 20; Serial No. 552,557, published June 7, 1949. Class 26.

Sheldon, Owen, Corporation, New York, N. Y. Men's and boys' outer shirts and pajamas. 515,351, Sept. 20; Serial No. 546,866, published May 17, 1949. Class 39.

Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Products, New York, N. Y. Men's and boys' bow ties, neckties, shirts, etc. 515,254, Sept. 20; Serial No. 522,988, published June 7, 1949. Class 39.

Sherman, Sol, doing business as Sherman Products, New York, N. Y. Neckties. 515,466, Sept. 20; Serial No. 509,677. Class 39.

Shirley White Polish Co.: *See*—
Pinto, Peter.

Shively, George B., doing business as Kant Lose Billfold Company, Waynesboro, Pa. Billfolds. 515,511, Sept. 20; Serial No. 572,129. Class 3.

Shopping with Nancy, Chicago, Ill. Newspaper column. 515,443, Sept. 20; Serial No. 562,409, published June 7, 1949. Class 38.

Signode Steel Strapping Company, Chicago, Ill. Stretching or tensioning tools, sealing tools, strapping machines, etc. 515,385, Sept. 20; Serial No. 550,561, published Jupe 14, 1949. Class 23.

Simplex Paper Box Company, Lititz, to Simplex Paper Box Corporation, Lancaster, Pa. Paper boxes. 265,049, renewed Dec. 10, 1949. O. G. Sept. 20. Class 2.

Simplex Paper Box Corporation: *See*—
Simplex Paper Box Company.

Simplex Piston Ring Company of America, Inc., The, to Simplex Piston Ring Mfg. Company, Cleveland, Ohio. Rear-view mirrors for use on automotive vehicles, etc. 263,541, renewed Nov. 5, 1949. O. G. Sept. 20. Class 19.

Simplex Piston Ring Mfg. Company: *See*—
Simplex Piston Ring Company of America, Inc., The.

Simplex Piston Ring Mfg. Company, Cleveland, Ohio. Piston skirt expanders. 515,391, Sept. 20; Serial No. 551,483, published June 7, 1949. Class 23.

Simpson, Harold N., Company, The, Chicago, by The Harold N. Simpson Company (1947), Oak Park, Ill. Foods for livestock. 383,023, Nov. 19, 1940. Republished Sept. 20. Class 46.

Simpson, Harold N., Company (1947), The: *See*—
Simpson, Harold N., Company, The.

Smart Handbag Co., St. Louis, Mo. Purses and ladies' handbags. 515,508, Sept. 20; Serial No. 561,948. Class 3.

Smith Engineering Works, Milwaukee, Wis. Rock, ore, sand and gravel handling equipment. 515,271, Sept. 20; Serial No. 530,863, published June 14, 1949. Class 23.

Socony-Vacuum Oil Company, Incorporated: *See*—
Vacuum Oil Company.

Sosin, Walter S., New York, N. Y. Ladies' slips, lounging robes, and pajamas. 515,418, Sept. 20; Serial No. 555,314, published May 31, 1949. Class 39.

South Bend Fabric Mat Company: *See*—
Kowalski, Stephen A.

Southen Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 515,242, Sept. 20; Serial No. 508,866, published May 31, 1949. Class 37.

Spartan Saw Works, Inc., Springfield, Mass. Tool bits. 515,287, Sept. 20; Serial No. 534,062, published June 7, 1949. Class 23.

Speare's, Alden, Sons Co., The, Cambridge, Mass. Knife sharpening machines. 515,293, Sept. 20; Serial No. 534,860, published June 14, 1949. Class 23.

Spectator Sportswear Company, Chicago, Ill. Men's sportshirts and dress shirts. 515,350, Sept. 20; Serial No. 546,800, published May 10, 1949. Class 39.

Sperry Candy Company, Milwaukee, Wis. Candy bars. 515,315, Sept. 20; Serial No. 541,213, published May 31, 1949. Class 46.

Sperry and Hutchinson Company, The, New York, N. Y. Catalogues. 515,276, Sept. 20; Serial No. 532,517, published Mar. 1, 1949. Class 38.

Spiegl, E. H., by Spiegl Farms, Inc., Salinas, Calif. Fresh vegetables. 365,256, Feb. 28, 1939. Republished Sept. 20. Class 46.

Spiegl Farms, Inc.: *See*—
Spiegl, E. H.

Sports Afield Publishing Company, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Annual publication. 515,423, Sept. 20; Serial No. 556,828, published May 31, 1949. Class 38.

Sports Afield Publishing Company, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Periodical. 515,424, Sept. 20; Serial No. 556,829, published May 31, 1949. Class 38.

Star Kay White, New York, N. Y. Flavorings in liquid and powdered form. 515,349, Sept. 20; Serial No. 546,732, published May 31, 1949. Class 46.

Starrett, L. S., Company, The, Athol, Mass. Tap, drill, and wire gages. 515,396, Sept. 20; Serial No. 552,096, published June 7, 1949. Class 26.

Sterling-Freeland Industries, Inc., Chicago, Ill., by change of name from Home Service Bureau, Inc. Drafting Kits. 515,469, Sept. 20; Serial No. 513,739. Class 26.

Stern Brothers, New York, N. Y. Infants' underwear and knit clothing. 263,722, renewed Nov. 12, 1949. O. G. Sept. 20. Class 39.

Stern Brothers, New York, N. Y. Traveling bags, leather hatboxes, suitcases, etc. 264,455, renewed Nov. 26, 1949. O. G. Sept. 20. Class 3.

Storm Foot Health Shoes, Inc., Wilmington, Del. Shoes and slippers. 515,377, Sept. 20; Serial No. 548,877, published May 24, 1949. Class 39.

Strand, Victor B., Copenhagen, Denmark. Custard powder and pudding powder; bread, cream crackers, and biscuits, etc. 515,305, Sept. 20; Serial No. 539,577, published May 31, 1949. Class 46.

Stylepark Hats, Inc., Philadelphia, Pa. Men's and boys' hats, etc. 515,341, Sept. 20; Serial No. 545,408, published May 24, 1949. Class 39.

Sunnen Products Company, St. Louis, Mo. Cylinder grinders, honing, grinding, and abrading machines and parts thereof, etc. 515,264, Sept. 20; Serial No. 529,111, published June 7, 1949. Class 23.

Superior Brands, Inc., New York, N. Y. Rye dough conditioner in dehydrated form. 515,292, Sept. 20; Serial No. 534,395, published May 31, 1949. Class 46.

Swallow Airplane Company, Inc., Wichita, Kans. Screw drivers. 443,375, Sept. 20; Serial No. 493,844, published June 7, 1949. Class 23.

Swallow Raincoats Limited, Birmingham, England. Women's and girls' outer garments, etc. 515,269, Sept. 20; Serial No. 530,784, published May 24, 1949. Class 39.

Sweeney Lithograph Company, Inc., Belleville, N. J. Cravats. 515,361, Sept. 20; Serial No. 547,679, published May 17, 1949. Class 39.

Swormco, Washington, D. C. Infants' sleeping garments. 515,373, Sept. 20; Serial No. 548,428, published May 24, 1949. Class 39.

Tea Garden Products Co., San Francisco, Calif. Table syrup, fruit preserves, jellies, etc. 264,387, renewed Nov. 26, 1949. O. G. Sept. 20. Class 46.

Tempest Shirt Mfg. Co., Inc.: *See*—
Sea Island Manufacturing Company, Inc.

Thau, Chas. K., doing business as Laura Hair Novelty Co., New York, N. Y. Hair nets. 515,421, Sept. 20; Serial No. 555,708, published May 31, 1949. Class 39.

Torrington Manufacturing Company, The, Torrington, Conn. Sheet metal coiling machines, sheet metal edge trimming machines, etc. 515,289, Sept. 20; Serial No. 534,208, published June 7, 1949. Class 23.

Trucrete Products: *See*—
Hendricks, G. T.

True Form Corset Company: *See*—
Barg, William.

True Form Corset Co., by True Form Corset Co., Inc., Philadelphia, Pa. Corsets and brassières. 186,657, July 22, 1924. Republished Sept. 20. Class 39.

True Form Corset Co., Inc.: *See*—
Barg, William.
True Form Corset Co.

Tubbs Cordage Company, San Francisco, Calif. Hard fiber twine. 515,456, Sept. 20; Serial No. 569,231, published May 24, 1949. Class 7.

Twin Disc Clutch Company, Racine, Wis. Clutches, power take-off units, reduction gear units, etc. 515,274, Sept. 20; Serial No. 532,408, published June 14, 1949. Class 23.

Uarco Incorporated, Chicago, Ill. Strip of continuous form stationery. 515,276, Sept. 20; Serial No. 532,773, published June 14, 1949. Class 37.

Ulmann, Bernhard, Co. Inc., Long Island City, N. Y. Nylon and/or cotton hand knitting and crochet yarn. 515,506, Sept. 20; Serial No. 561,267. Class 43.

Union Bag and Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 74,618. Re-renewed July 27, 1949. O. G. Sept. 20. Class 2.

Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.

Unit Crane & Shovel Corp., West Allis, Wis. Power shovels and cranes. 443,376, Sept. 20; Serial No. 499,871, published June 7, 1949. Class 23.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 515,410, Sept. 20; Serial No. 554,536, published May 31, 1949. Class 38.

United Mills Corporation, Mount Gilead, N. C. Ladies' slips, bed jackets and night gowns. 515,381, Sept. 20; Serial No. 549,991, published May 31, 1949. Class 39.

U. S. Conserve Co., St. Louis, Mo. Canned soups, and canned stuffed kishke. 515,493, Sept. 20; Serial No. 549,195. Class 46.

United States Rubber Company: *See*—
New York Belting and Packing Company, Limited.
Peerless Rubber Manufacturing Company.

Universal Laboratories, Inc., East Orange, N. J. Women's negligees, pajamas, nightgowns, etc. 515,433, Sept. 20; Serial No. 558,604, published May 31, 1949. Class 39.

Vacuum Oil Company, Rochester, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating, illuminating, and heating oils, greases, and waxes, etc. 75,976–7, re-renewed Nov. 30, 1949. O. G. Sept. 20. Class 15.

Valsey-Bristol Shoe Company, Incorporated, Rochester, N. Y. Shoes. 515,459, Sept. 20; Serial No. 575,878, published June 14, 1949. Class 39.

Valley Fruit Canning Co.: *See*—
Bodle, R. D., Co.

Valley Packing Company, Salem, Oreg. Smoked bacon. 515,487, Sept. 20; Serial No. 538,201. Class 46.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 515,262, Sept. 20; Serial No. 527,574, published May 31, 1949. Class 37.

Valley Paper Company, Holyoke, Mass. Writing, typewriting, and printing paper. 515,263, Sept. 20; Serial No. 527,659, published June 14, 1949. Class 37.

Valley View Packing Company, San Jose, Calif. Dried fruits. 422,179, July 9, 1946. Republished Sept. 20. Class 46.

Valley View Packing Company, San Jose, Calif. Dried fruits, raisins, and currants. 425,546, Nov. 26, 1946. Republished Sept. 20. Class 46.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Knitted and textile underwear for women and girls. 263,942, renewed Nov. 12, 1949. O. G. Sept. 20. Class 39.

Victory Optical Manufacturing Company, Newark, N. J. Spectacle frames. 515,432, Sept. 20; Serial No. 558,537, published June 7, 1949. Class 26.

Vieter, Bernard, doing business as Manor Craft Co., New York, N. Y. Children's bathing suits, trunks, and playsuits, etc. 515,371, Sept. 20; Serial No. 548,302, published May 24, 1949. Class 39.

Visco Products Company, Houston, Tex. Chemicals. 337,108, July 28, 1936. Republished Sept. 20. Class 6.

Visco Products Company, Houston, Tex. Emulsion breaking composition. 337,109, July 28, 1936. Republished Sept. 20. Class 6.

Vital Products Manufacturing Company, Cleveland, Ohio. Caulking guns. 515,352, Sept. 20; Serial No. 547,076, published June 14, 1949. Class 23.

Vital Products Manufacturing Company, Cleveland, Ohio. Caulking guns. 515,357, Sept. 20; Serial No. 547,300, published June 14, 1949. Class 23.

Vital Products Manufacturing Company, Cleveland, Ohio. Carpet sweeper. 515,358, Sept. 20; Serial No. 547,302, published June 14, 1949. Class 28.

Vivaudou, Victor, Tenafly, N. J., by Consolidated Cosmetics, Chicago, Ill. Perfumes. 399,943, Feb. 9, 1943. Republished Sept. 20. Class 6.

W. & S. Packing Company, Salinas, Calif. Fresh vegetables. 515,336, Sept. 20; Serial No. 544,945, published May 24, 1949. Class 46.
Waldron, John, Corporation, Highland Park, N. J. Machines for coating paper webs with coating compounds. 443,391, Sept. 20; Serial No. 525,991, published June 14, 1949. Class 23.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Sloe gin. 376,903, Apr. 9, 1940. Republished Sept. 20. Class 49.
Walnut Fruit Growers Association, Walnut, Calif. Fresh citrus fruit. 205,947, Nov. 17, 1925. Republished Sept. 20. Class 46.
Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts, and pajamas. 515,312, Sept. 20; Serial No. 540,747, published May 17, 1949. Class 39.
Warren, W., Thread Works, Westfield, Mass. Thread and yarn. 515,458, Sept. 20; Serial No. 570,889, published June 14, 1949. Class 43.
Watts, Alfred Allen, Co., Inc., New York, N. Y. Letter copy sets. 443,382, Sept. 20; Serial No. 514,735, published June 14, 1949. Class 37.
Weinig, J., & Son, New York, N. Y. Fur scarfs, stoles, jackets, etc. 515,395, Sept. 20; Serial No. 552,026, published May 24, 1949. Class 39.
Western Gear Works, Seattle, Wash. Machine providing change-speed gears. 515,238, Sept. 20; Serial No. 501,221, published June 7, 1949. Class 23.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, loose writing paper, etc. 515,303, Sept. 20; Serial No. 538,691, published June 14, 1949. Class 37.
Westfield Watch Company, Inc., New York, N. Y. Wrist watches. 261,850, renewed Sept. 24, 1949. O. G. Sept. 20. Class 27.
Whirlwind Inc.: *See*—
Whirlwind Lawn Mowers Sales Corporation.
Whirlwind Lawn Mowers Sales Corporation, by Whirlwind Inc., Minneapolis, Minn. Lawn mowers. 336,433, July 7, 1936. Republished Sept. 20. Class 23.
Whisper, Inc., New York, N. Y. Pictorial humorous periodical. 515,446, Sept. 20; Serial No. 562,894, published June 7, 1949. Class 38.
White Tar Company of New Jersey, Inc., The, Kearny, N. J., by Koppers Company, Inc., Pittsburgh, Pa. Compositions of matter in block, powder, or other form. 259,567, July 30, 1929. Republished Sept. 20. Class 6.
Williams, J. B., Company, The, Glastonbury, Conn. Shaving soap. 515,486, Sept. 20; Serial No. 537,537. Class 4.
Williams, J. H., & Co., Buffalo, N. Y. Wrenches, wrench sets, wrench sockets, and tool handles. 515,290, Sept. 20; Serial No. 534,212, published June 14, 1949. Class 23.
Willow Shirt Corporation, The: *See*—
Willow Shirt and Underwear Corporation, The.
Willow Shirt and Underwear Corporation, The, New Haven, Conn., now by change of name The Willow Shirt Corporation. Men's outer shirts and pajamas. 515,267, Sept. 20; Serial No. 529,737, published Oct. 19, 1948. Class 39.
Wolverine Shoe & Tanning Corporation, Rockford, Mich. Men's work gloves. 515,403, Sept. 20; Serial No. 553,331, published May 31, 1949. Class 39.
Wood, Gar, Industries, Inc., Wayne, Mich. Garbage and refuse hauling bodies for automotive vehicles. 515,504, Sept. 20; Serial No. 558,882. Class 19.
Woolrich Woolen Mills, Woolrich, Pa. Caps and hats; men's knickers, trousers, etc. 515,340, Sept. 20; Serial No. 545,318, published Mar. 29, 1949. Class 39.
Worthington, George, Company, The, Cleveland, Ohio. Carving knives, butcher knives, pocket knives, etc. 359,933, Sept. 6, 1938. Republished Sept. 20. Class 23.
Worthington, George, Company, The, Cleveland, Ohio. Rubber hose, leather belting, canvas belting, etc. 359,934, Sept. 6, 1938. Republished Sept. 20. Class 35.
Worthington, George, Company, The, Cleveland, Ohio. Metal faucets, metal valves, valves washers, etc. 364,909, Feb. 21, 1939. Republished Sept. 20. Class 13.
Worthington, George, Company, The, Cleveland, Ohio. Water glasses, glass fruit jars, jelly glasses, etc. 364,910, Feb. 21, 1939. Republished Sept. 20. Class 33.
Worthington, George, Company, The Cleveland, Ohio. Paint brushes, varnish brushes, scrub brushes, etc. 365,168, Feb. 28, 1939. Republished Sept. 20. Class 29.
Yakima Fruit Growers Association, Yakima, Wash. Fresh deciduous fruits. 314,272, June 26, 1934. Corrected. O. G. Sept. 20. Class 46.
Yocums Brothers, Inc.: *See*—
Fleck Cigar Co., Ltd.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Hops. John I. Haas, Inc. 515,489, Sept. 20; Serial No. 539,819.

CLASS 2

Bags, Paper. Crown-Columbia Pulp and Paper Company. 83,225, Aug. 29, 1911. Republished Sept. 20.
Bags, Paper. Gilman Paper Company. 264,193–6, Nov. 19, 1929. Corrected. O. G. Sept. 20.
Bags, Paper. Gilman Paper Company. 267,795, Mar. 4, 1930. Corrected. O. G. Sept. 20.
Bags, Paper. The Union Bag and Paper Company. 74,618, re-renewed July 27, 1949. O. G. Sept. 20.
Boxes, Paper. Simplex Paper Box Company. 265,049, renewed Dec. 10, 1949. O. G. Sept. 20.
Buckets, jars, and dippers. The B. F. Goodrich Company. 258,459, renewed July 9, 1949. O. G. Sept. 20.

CLASS 3

Bags, Traveling, leather hatboxes, suitcases, etc. Stern Brothers. 264,455, renewed Nov. 26, 1949. O. G. Sept. 20.
Billfolds. G. B. Shively. 515,511, Sept. 20; Serial No. 572,129.
Hand bags, Ladies'. Self-Style Ladies Hand Bags Co., Inc. 515,498, Sept. 20; Serial No. 551,660.
Handbags, Purses and ladies'. Smart Handbag Co. 515,508, Sept. 20; Serial No. 561,948.

CLASS 4

Cleansing preparation, Liquid. C. S. Pierce Dressing Company. 260,971, renewed Sept. 3, 1949. O. G. Sept. 20.
Emery tapes and emery fillets. Dronsfield Brothers Limited. 425,229, Nov. 12, 1946. Republished Sept. 20.
Emery tapes, emery wheels, emery belts, etc. Dronsfield Brothers Limited. 433,846, Nov. 4, 1947. Republished Sept. 20.
Polish for all white shoes, Shoe. P. Pinto. 515,485, Sept. 20; Serial No. 536,131.
Polish, Liquid leather. C. S. Pierce Dressing Company. 260,970, renewed Sept. 3, 1949. O. G. Sept. 20.
Preparation for cleaning and polishing leathers, Liquid. C. S. Pierce Dressing Company. 260,972, renewed Sept. 3, 1949. O. G. Sept. 20.
Soap composition. Beach Soap Company. 263,836, renewed Nov. 12, 1949. O. G. Sept. 20.
Soap flakes. Beach Soap Company. 262,597, renewed Oct. 15, 1949. O. G. Sept. 20.
Soap flakes. Beach Soap Company. 262,812, renewed Oct. 22, 1949. O. G. Sept. 20.
Soap, Shaving. The J. B. Williams Company. 515,486, Sept. 20; Serial No. 537,537.

CLASS 5

Adhesive, Latex. The Carter's Ink Company. 439,761, July 20, 1948. Republished Sept. 20.
Tape, Adhesive. The Seamless Rubber Company, Inc. 258,893, renewed July 16, 1949. O. G. Sept. 20.

CLASS 6

Bleach and water softener. Purex Corporation, Ltd. 312,403, May 1, 1934. Republished Sept. 20.
Chemical product. D. W. Haering & Co., Inc. 390,866, Oct. 7, 1941. Republished Sept. 20.
Chemical product. D. W. Haering & Co., Inc. 407,219, May 23, 1944. Republished Sept. 20.
Chemical product. D. W. Haering & Co., Inc. 407,465, June 6, 1944. Republished Sept. 20.
Chemical product. D. W. Haering & Co., Inc. 417,512, Oct. 30, 1945. Republished Sept. 20.
Chemicals. Visco Products Company. 337,108, July 28, 1936. Republished Sept. 20.
Compositions of matter in block, powder, or other form. The White Tar Company, of New Jersey, Inc. 259,567, July 30, 1929. Republished Sept. 20.
Emulsion breaking composition. Visco Products Company. 337,109, July 28, 1936. Republished Sept. 20.
Lipstick, rouge, face powder, etc. Savage, Inc. 334,173, Apr. 21, 1936. Republished Sept. 20.
Medicinal preparation. J. Serravallo. 515,505, Sept. 20; Serial No. 560,231.
Ointments. L. P. Philippi. 246,886, Sept. 18, 1928. Republished Sept. 20.
Perfumes. V. Vivaudou. 399,943, Feb. 9, 1943. Republished Sept. 20.
Preparation for application to metal to prevent or arrest corrosion. D. W. Haering & Company, Inc. 373,080, Nov. 21, 1939. Republished Sept. 20.
Preparation for hypertension. Chicago Pharmacal Company. 395,672, June 2, 1942. Republished Sept. 20.
Preparation for softening and improving the skin and for allaying irritation and roughness. Sangers, Limited. 261,040, renewed Sept. 3, 1949. O. G. Sept. 20.

Preparation primarily intended for preventing the formation of and for removing scale, etc. D. W. Haering & Company. 292,257, Mar. 8, 1932. Republished Sept. 20.
Tick killer in powder form and skin balm for use on dogs. Polk Miller Products Corporation. 515,478, Sept. 20; Serial No. 524,345.

CLASS 7

Clothes lines. Cleveland Mill and Power Company. 515,457, Sept. 20; Serial No. 570,248, published June 14, 1949.
Rope, cord and twine. American Manufacturing Company. 515,400, Sept. 20; Serial No. 552,384, published May 10, 1949.
Tape with a wire core, Paper. Germain Seed and Plant Company. 515,259, Sept. 20; Serial No. 526,590, published May 17, 1949.
Tape with wire core, Paper. Germain Seed and Plant Company. 515,260, Sept. 20; Serial No. 526,719, published May 17, 1949.
Twine, Hard fiber. Tubbs Cordage Company. 515,456, Sept. 20; Serial No. 569,231, published May 24, 1949.

CLASS 12

Blocks formed of cementitious substances. G. T. Hendricks. 515,477, Sept. 20; Serial No. 523,083.
Brick. The Medal Brick & Tile Co. 192,945, Dec. 16, 1924. Republished Sept. 20.
Paving materials, Bituminous tar. American Tar Products Company. 260,696, Aug. 27, 1929. Republished Sept. 20.
Sawmill products. Capilano Timber Co. Ltd. 248,144, Oct. 16, 1928. Republished Sept. 20.

CLASS 13

Bolts, screws, nuts, lock nuts, etc. Ford Motor Company. 515,454, Sept. 20; Serial No. 569,134, published May 3, 1949.
Faucets, Metal, metal valves, valve washers, etc. The George Worthington Company. 364,909, Feb. 21, 1939. Republished Sept. 20.
Heel-plates. L. Sacks. 75,324, re-renewed Sept. 21, 1949. O. G. Sept. 20.
Pipe fittings. Stanley G. Flagg & Co., Inc. 515,316, Sept. 20; Serial No. 541,532, published June 7, 1949.
Tank balls. Scully Rubber Mfg. Co. 515,491, Sept. 20; Serial No. 545,394.

CLASS 15

Gasoline and lubricating oils and greases. Fleet Oil Co. 382,152, Oct. 15, 1940. Republished Sept. 20.
Oils, greases, and waxes, Lubricating, illuminating, and heating, etc. Vacuum Oil Company. 75,976–7, re-renewed Nov. 30, 1949. O. G. Sept. 20.

CLASS 17

Cigars. Fleck Cigar Co., Ltd. 95,087–8, Feb. 3, 1914. Republished Sept. 20.

CLASS 19

Ambulances, hearses, funeral coaches, etc., Motor-driven. Henney Motor Company. 303,235, May 16, 1933. Republished Sept. 20.
Bodies for automotive vehicles, Garbage and refuse haning. Gar Wood Industries, Inc. 515,504, Sept. 20; Serial No. 558,882.
Hearses, funeral coaches, and combination funeral cars. Henney Motor Company. 322,870, Mar. 26, 1935. Republished Sept. 20.
Hearses, Motor, motor ambulances, convertible motor hearses-ambulances, etc. Henney Motor Company. 357,255, May 31, 1938. Republished Sept. 20.
Mirrors for use on automotive vehicles, etc., Rear-view. The Simplex Piston Ring Company of America, Inc. 263,541, renewed Nov. 5, 1949. O. G. Sept. 20.
Shock struts. Bendix Aviation Corporation. 296,592, Aug. 16, 1932. Amended. O. G. Sept. 20.
Trailers for mounting, transporting, launching and retrieving boats, Wheeled. Holsclaw Bros., Inc. 515,472, Sept. 20; Serial No. 519,661.

CLASS 21

Batteries, Electric. Beacon Oil Company. 257,516, renewed June 11, 1949. O. G. Sept. 20.
Records, Magnetic sound, and electric sound recording apparatus. M. K. Halvorson. 515,464, Sept. 20; Serial No. 505,647.

CLASS 22

Dolls. Max Eckhardt & Sons, Inc. 441,410, Nov. 23, 1948. Republished Sept. 20.

CLASS 23

Addressing and mailing machines, Mechanically and electrically operated. Cheshire Mailing Machines, Inc. 515,248, Sept. 20; Serial No. 516,955, published May 31, 1949.
Bits, Tool. Spartan Saw Works, Inc. 515,287, Sept. 20; Serial No. 534,062, published June 7, 1949.
Blades, Razor. Ruble Blade Corporation. 257,684, renewed June 18, 1949. O. G. Sept. 20.
Burnishing machines. The American Laundry Machinery Company. 515,387, Sept. 20; Serial No. 550,987, published June 14, 1949.
Carpet sweeper. Vital Products Manufacturing Company. 515,358, Sept. 20; Serial No. 547,302, published June 14, 1949.
Caulking guns. F. K. Schneider. 515,314, Sept. 20; Serial No. 541,198, published June 7, 1949.
Caulking guns. Vital Products Manufacturing Company. 515,352, Sept. 20; Serial No. 547,076, published June 14, 1949.
Caulking guns. Vital Products Manufacturing Company. 515,357, Sept. 20; Serial No. 547,300, published June 14, 1949.
Chucks and collets. McCrosky Tool Corporation. 515,392, Sept. 20; Serial No. 551,718, published June 14, 1949.
Clippers, Hair. John Oster Manufacturing Company. 515,364, Sept. 20; Serial No. 547,869, published June 14, 1949.
Clutches, power take-off units, reduction gear units, etc. Twin Disc Clutch Company. 515,274, Sept. 20; Serial No. 532,408, published June 14, 1949.
Coiling machines, Sheet metal, sheet metal edge trimming machines, etc. The Torrington Manufacturing Company. 515,289, Sept. 20; Serial No. 534,208, published June 7, 1949.
Concrete-mixing machines. The Jaeger Machine Company. 263,109, renewed Oct. 29, 1949. O. G. Sept. 20.
Coulters designed for use on breaking plows. I. Saemann. 515,380, Sept. 20; Serial No. 549,845, published June 14, 1949.
Drives, Machine tool. The Master Electric Company. 381,195, Sept. 17, 1940. Republished Sept. 20.
Expanders, Piston skirt. Simplex Piston Ring Mfg. Company. 515,391, Sept. 20; Serial No. 551,483, published June 7, 1949.
Flasks, Metal. Beacon Devices. 515,253, Sept. 20; Serial No. 522,835, published June 14, 1949.
Grinders, Cylinder, honing, grinding, and abrading machines and parts thereof, etc. Sunnen Products Company. 515,264, Sept. 20; Serial No. 529,111, published June 7, 1949.
Grinding machines, Textile card; textile roller, bowl and cylinder grinding machines; etc. Dronsfield Brothers Limited. 441,742, Jan. 4, 1949. Republished Sept. 20.
Handles of hammers. The Capewell Manufacturing Company. 515,339, Sept. 20; Serial No. 545,388, published June 7, 1949.
Handling equipment, Rock, ore, sand and gravel. Smith Engineering Works. 515,271, Sept. 20; Serial No. 530,863, published June 14, 1949.
Hoists and derricks, Power and hand driven. Clipper Manufacturing Company. 515,379, Sept. 20; Serial No. 549,787, published June 14, 1949.
Hoists, Overhead. Robbins & Myers, Inc. 515,285, Sept. 20; Serial No. 533,777, published June 7, 1949.
Honing machines, and parts thereof. J. P. Hone Corporation. 515,249, Sept. 20; Serial No. 520,278, published June 14, 1949.
Knives, Carving, butcher knives, pocket knives, etc. The George Worthington Company. 359,933, Sept. 6, 1938. Republished Sept. 20.
Lawn mowers. Power Development Co., Inc. 515,390, Sept. 20; Serial No. 551,309, published June 7, 1949.
Lawn mowers. Whirlwind Lawn Mowers Sales Corporation. 336,433, July 7, 1936. Republished Sept. 20.
Lawnmowers, Power-driven. The Moto-Mower Company. 515,280, Sept. 20; Serial No. 533,041, published June 7, 1949.
Machine providing change-speed gears. Western Gear Works. 515,238, Sept. 20; Serial No. 501,221, published June 7, 1949.
Machines. Farrel-Birmingham Company, Incorporated. 264,602, renewed Nov. 26, 1949. O. G. Sept. 20.
Machines for attaching metal and/or plastic binding elements. General Binding Corporation. 515,284, Sept. 20; Serial No. 533,560, published June 7, 1949.
Machines for coating paper webs with coating compounds. John Waldron Corporation. 443,391, Sept. 20; Serial No. 525,991, published June 14, 1949.
Match making machines; cigars and cigarette machines; machines for disintegrating, stemming, moistening, drying and curing tobacco, etc. Arenco Aktiebolag. 443,386, Sept. 20; Serial No. 521,422, published June 14, 1949.
Molding machine, Automatic electrically operated hamburger patty. Holly Molding Devices, Inc. 515,256, Sept. 20; Serial No. 524,468, published June 7, 1949.
Plows; harrows; tillers; and subsoilers. Athens Plow Company. 515,306, Sept. 20; Serial No. 539,624, published June 7, 1949.
Polishers, Non-electric floor, and metal-working and woodworking lathes. Red Devil Tools. 515,348, Sept. 20; Serial No. 546,606, published June 14, 1949.
Presses, Hand operated. McDowell Manufacturing Company. 515,244, Sept. 20; Serial No. 512,186, published June 14, 1949.

Punches, Hand operated paper. Mutual Stationers Supply Corporation. 515,283, Sept. 20; Serial No. 533,189, published June 7, 1949.
Reamers, bushing removers and inserters, pistons, etc. L. O. Beard Tool Company. 515,345, Sept. 20; Serial No. 545,944, published June 14, 1949.
Saw mills. American Saw Mill Machinery Company. 515,384, Sept. 20; Serial No. 550,476, published June 14, 1949.
Saws, Carbide tipped circular. A. R. Segal. 515,272, Sept. 20; Serial No. 530,970, published June 7, 1949.
Screw drivers. Swallow Airplane Company, Inc. 443,375, Sept. 20; Serial No. 493,844, published June 7, 1949.
Sewing machines and attachments. National Sewing Machine Company. 515,398–9, Sept. 20; Serial Nos. 552,357–8, published June 7, 1949.
Sharpening machines, Knife. The Alden Speare's Sons Co. 515,293, Sept. 20; Serial No. 534,860, published June 14, 1949.
Shellers, Corn, feed mixers, and grain conveyors. Scottdel, Inc. 515,382, Sept. 20; Serial No. 550,076, published June 14, 1949.
Shovels and cranes, Power. Unit Crane & Shovel Corp. 443,376, Sept. 20; Serial No. 499,871, published June 7, 1949.
Tableware. Englishtown Cutlery, Ltd. 443,378, Sept. 20; Serial No. 507,307, published June 7, 1949.
Textile machinery. P. Deck. 515,468, Sept. 20; Serial No. 511,574.
Tools, Compression. The National Telephone Supply Company. 515,297, Sept. 20; Serial No. 536,627, published June 14, 1949.
Tools, Compression. The National Telephone Supply Company. 515,298, Sept. 20; Serial No. 536,708, published June 14, 1949.
Tools, Pressure-fluid operated grinding, cutting, buffing, cleaning, and polishing, etc. Madison-Kipp Corporation. 515,277, Sept. 20; Serial No. 532,840, published June 7, 1949.
Tools, Stretching or tensioning sealing tools, strapping machines, etc. Signode Steel Strapping Company. 515,385, Sept. 20; Serial No. 550,561, published June 14, 1949.
Wood working machines, safety shields, power tools, etc. Rockwell Manufacturing Company. 515,291, Sept. 20; Serial No. 534,358, published June 14, 1949.
Wrenches and wrench parts. Efco Manufacturing, Inc. 443,387, Sept. 20; Serial No. 521,442, published June 14, 1949.
Wrenches, wrench sets, wrench sockets, and tool handles. W. H. Williams & Co. 515,290, Sept. 20; Serial No. 534,212, published June 14, 1949.

CLASS 24

Equipment for dry cleaning and commercial laundry. E. L. Chrisman Company, Inc. 515,482, Sept. 20; Serial No. 533,004.

CLASS 26

Computing apparatus and components thereof, Electronic. Eckert-Mauchly Computer Corporation. 515,406, Sept. 20; Serial No. 553,827, published June 7, 1949.
Control mechanism, Electric temperature. Crown Controls Company. 435,848, Jan. 13, 1948. Republished Sept. 20.
Dynamometers. Dynamatic Corporation. 515,261, Sept. 20; Serial No. 527,433, published Mar. 16, 1948.
Frames, Eyeglass and spectacle. The Kono Manufacturing Company. 515,425–6, Sept. 20; Serial Nos. 557,137–8, published June 7, 1949.
Frames, Eyeglass and spectacle. The Kono Manufacturing Company. 515,434, Sept. 20; Serial No. 558,726, published June 7, 1949.
Frames, Eyeglass and spectacle. The Kono Manufacturing Company. 515,435, Sept. 20; Serial No. 558,793, published June 7, 1949.
Frames, Spectacle. Victory Optical Manufacturing Company. 515,432, Sept. 20; Serial No. 558,537, published June 7, 1949.
Gages, Tap, drill, and wire. The L. S. Starrett Company. 515,396, Sept. 20; Serial No. 552,096, published June 7, 1949.
Glass parts, Interchangeable tubular, stoppers and stopcocks for glass chemical apparatus and glass scientific appliances for laboratory uses. Scientific Glass Apparatus Co., Inc. 515,402, Sept. 20; Serial No. 553,136, published June 7, 1949.
Kits, Drafting. Sterling-Freeland Industries, Inc. 515,469, Sept. 20; Serial No. 513,739.
Levels, Spirit. Exact Level & Tool Mfg. Co., Inc. 515,411, Sept. 20; Serial No. 554,556, published June 7, 1949.
Lorgnettes, eyeglasses, and spectacles, etc. Lugene, Inc. 515,428, Sept. 20; Serial No. 557,367, published June 7, 1949.
Meters to collect coins for washing and other machines. Robco Corporation. 515,509, Sept. 20; Serial No. 564,290.
Optical goods. J & M Products Co. 515,440, Sept. 20; Serial No. 560,275, published May 24, 1949.
Pumps and tanks, Self-measuring. S. F. Bowser & Co. 74,485, re-renewed July 13, 1949. O. G. Sept. 20.
Rifle sights, Telescopic. T. L. Ford. 515,510, Sept. 20; Serial No. 565,996.
Scales, Portable load weighing. The Black and Decker Manufacturing Company. 515,393, Sept. 20; Serial No. 551,760, published May 24, 1949.
Speedometers, ammeters, oil gauges, etc. Ford Motor Company. 515,455, Sept. 20; Serial No. 569,145, published Mar. 29, 1949.
Switches for use in street-lighting circuits, Thermostatic electric-relay. W. N. Matthews Corporation. 515,473, Sept. 20; Serial No. 520,516.
Testing instruments. H. R. Shaw. 515,401, Sept. 20; Serial No. 552,557, published June 7, 1949.

CLASS 27

Clocks. National Silver Company. 258,604, renewed July 9, 1949. O. G. Sept. 20.
Watches. Bulova Watch Company, Inc. 515,494, Sept. 20; Serial No. 549,501.
Watches, Wrist. Westfield Watch Company, Inc. 261,850, renewed Sept. 24, 1949. O. G. Sept. 20.

CLASS 29

Brushes, Paint, varnish brushes, scrub brushes, etc. The George Worthington Company. 365,168, Feb. 28, 1939. Republished Sept. 20.

CLASS 31

Refrigerators. Norge Corporation. 255,970, renewed Apr. 30, 1949. O. G. Sept. 20.

CLASS 32

Couches, beds, mattresses, Household, etc. Roll-A-Way Bed Corporation. 257,426, renewed June 4, 1949. O. G. Sept. 20.

CLASS 33

Glasses, Water, glass fruit jars, jelly glasses, etc. The George Worthington Company. 364,910, Feb. 21, 1939. Republished Sept. 20.

CLASS 34

Furnaces, Electric rocking. Kuhlman Electrical Co. 515,483, Sept. 20; Serial No. 534,027.
Ventilators, Wire-cloth and cotton-cloth window. The Everhard Manufacturing Company. 256,057, renewed May 7, 1949. O. G. Sept. 20.

CLASS 35

Belting and hose. New York Belting and Packing Company, Limited. 73,022, Mar. 9, 1909. Republished Sept. 20.
Belting and hose. New York Belting and Packing Company, Limited. 73,140, Mar. 16, 1909. Republished Sept. 20.
Belting and hose. Peerless Rubber Manufacturing Company. 72,668, Feb. 9, 1909. Republished Sept. 20.
Belting, hose, and machinery packing. New York Belting and Packing Company, Limited. 73,021, Mar. 9, 1909. Republished Sept. 20.
Belting, hose, and machinery packing. New York Belting and Packing Company, Limited. 73,164, Mar. 23, 1909. Republished Sept. 20.
Belting, hose, and machinery packing. Peerless Rubber Manufacturing Company. 72,879, Mar. 2, 1909. Republished Sept. 20.
Hose. New York Belting and Packing Company, Limited. 73,024–5, Mar. 9, 1909. Republished Sept. 20.
Hose. New York Belting and Packing Company, Limited. 73,028, Mar. 9, 1909. Republished Sept. 20.
Hose. New York Belting and Packing Company, Limited. 73,031, Mar. 9, 1909. Republished Sept. 20.
Hose and machinery packing. Peerless Rubber Manufacturing Company. 72,568, Feb. 2, 1909. Republished Sept. 20.
Hose, Rubber, leather belting, canvas belting, etc. The George Worthington Company. 359,934, Sept. 6, 1938. Republished Sept. 20.
Packing, Machinery. New York Belting and Packing Company, Limited. 73,019–20, Mar. 9, 1909. Republished Sept. 20.
Rings, Piston packing, packings for piston rods and for slide valve rods. Aktiebolaget Davy Robertsons Maskinfabrik. 259,604, renewed Aug. 6, 1949. O. G. Sept. 20.

CLASS 37

Bibs fabricated of paper, Disposable baby. Bib-ex Corporation. 515,250, Sept. 20; Serial No. 521,315, published June 14, 1949.
Cards and sheets, Blank, etc. Karolton Envelope Company. 515,301, Sept. 20; Serial No. 537,801, published June 14, 1949.
Covers, Bank check, bank passbooks, and book covers. Coast Envelope Company. 515,372, Sept. 20; Serial No. 548,331, published June 14, 1949.
Covers, Loose leaf ring book. Boorum & Pease Company. 515,286, Sept. 20; Serial No. 533,982, published May 10, 1949.
Envelopes, Mailing. H. P. Andrews Paper Company. 515,374, Sept. 20; Serial No. 548,709, published May 31, 1949.

Erasers, Cleaning rubber. L. & C. Hardtmuth, Inc. 515,288, Sept. 20; Serial No. 534,114, published June 7, 1949.
Erasers, pencils, crayons, rubber bands, etc. A. W. Faber-Castell Pencil Co., Inc. 515,255, Sept. 20; Serial No. 524,177, published June 14, 1949.
Erasers, Rubber, and blackboard erasers, lead pencils, wood encased, crayon pencils, etc. A. W. Faber-Castell Pencil Co., Inc. 515,258, Sept. 20; Serial No. 525,810, published May 10, 1949.
Labels, Blank and partially printed. Dennison Manufacturing Company. 515,239, Sept. 20; Serial No. 504,886, published May 10, 1949.
Letter copy sets. Alfred Allen Watts Co., Inc. 443,382, Sept. 20; Serial No. 514,735, published June 14, 1949.
Napkins, Paper. Hoffmaster Paper Company, Inc. 515,474, Sept. 20; Serial No. 521,258.
Paper and envelopes, Writing. George B. Hurd, Inc. 515,317, Sept. 20; Serial No. 541,843, published June 14, 1949.
Paper and envelopes, Writing. George B. Hurd, Inc. 515,318, Sept. 20; Serial No. 541,845, published June 14, 1949.
Paper and stationery, Correspondence. R. E. Marriott. 443,383, Sept. 20; Serial No. 517,790, published June 7, 1949.
Paperboard. Cornell Wood Products Company. 515,365, Sept. 20; Serial No. 547,898, published May 10, 1949.
Paper, Bond and index. Crocker-McElwain Company. 348,825, Aug. 10, 1937. Republished Sept. 20.
Paper, Book, cover papers and post card stock. Butler Paper Corporations. 515,488, Sept. 20; Serial No. 539,489.
Paper, End sheet, and leaf paper, and binder's waste. Schuylkill Paper Company. 515,294, Sept. 20; Serial No. 535,634, published June 14, 1949.
Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 515,242, Sept. 20; Serial No. 508,866, published May 31, 1949.
Paper, Mill stock. Port Huron Sulphite & Paper Co. 515,273, Sept. 20; Serial No. 531,834, published June 14, 1949.
Paper, Tissue. Dennison Manufacturing Company. 515,405, Sept. 20; Serial No. 553,479, published May 17, 1949.
Paper, Wrapping. The Munising Paper Company. 515,278, Sept. 20; Serial No. 532,954, published June 14, 1949.
Paper, Writing. Crocker-McElwain Company. 77,906–8, May 17, 1910. Republished Sept. 20.
Paper, Writing. Crocker-McElwain Company. 80,271, Nov. 29, 1910. Republished Sept. 20.
Paper, Writing and printing. Hurlbut Paper Company. 515,334, Sept. 20; Serial No. 544,659, published June 7, 1949.
Paper, Writing, typewriter and printing. Valley Paper Company. 515,262, Sept. 20; Serial No. 527,574, published May 31, 1949.
Paper, Writing, typewriting and printing. Valley Paper Company. 515,263, Sept. 20; Serial No. 527,659, published June 14, 1949.
Papers, Writing, printing, wrapping, bond, ledger, "mimeograph," manifold, and cardboard. Eastern Corporation. 515,247, Sept. 20; Serial No. 516,062, published May 31, 1949.
Pencils, Mechanical. Gettler-Montanye, Inc. 515,370, Sept. 20; Serial No. 548,251, published May 10, 1949.
Pens, Fountain. Eversharp, Inc. 515,240, Sept. 20; Serial No. 506,516, published May 10, 1949.
Record files, visible card index systems, index cards, etc. Acme Visible Records, Inc. 515,241, Sept. 20; Serial No. 506,568, published May 10, 1949.
Stationery, Strip of continuous form. Uarco Incorporated. 515,276, Sept. 20; Serial No. 532,773, published June 14, 1949.
Tablets, Paper, loose writing paper, etc. Western Tablet & Stationery Corporation. 515,303, Sept. 20; Serial No. 538,691, published June 14, 1949.
Trays, Letter, and card index guides. Rockwell-Barnes Company. 515,250, Sept. 20; Serial No. 521,824, published May 10, 1949.
Writing instruments. Brown & Bigelow. 515,360, Sept. 20; Serial No. 547,612, published June 14, 1949.

CLASS 38

Books. Quinn Publishing Company, Incorporated. 515,422, Sept. 20; Serial No. 556,485, published May 24, 1949.
Books, Series of. Decca Records, Inc. 515,471, Sept. 20; Serial No. 517,777.
Bulletin, Mimeographed monthly service. Heating Publishers, Inc. 515,427, Sept. 20; Serial No. 557,192, published June 7, 1949.
Cards, Printed recipe. General Mills, Inc. 515,266, Sept. 20; Serial No. 529,626, published May 24, 1949.
Cartoon strip, Newspaper. The Hearst Corporation. 410,778, Dec. 19, 1944. Republished Sept. 20.
Cartoons. Macart Advertising Company. 515,442, Sept. 20; Serial No. 561,473, published June 7, 1949.
Catalogues. The Sperry and Hutchinson Company. 515,275, Sept. 20; Serial No. 532,517, published Mar. 1, 1949.
Column in a newspaper. The Brooklyn Eagle, Inc. 515,404, Sept. 20; Serial No. 553,337, published May 31, 1949.
Column, Newspaper. Shopping with Nancy. 515,443, Sept. 20; Serial No. 562,409, published June 7, 1949.
Column, Newspaper and magazine. Hubbard Hoover. 437,122, Mar. 9, 1948. Republished Sept. 20.
Column of a regularly issued magazine. Cowles Magazines, Inc. 428,909, Apr. 8, 1947. Republished Sept. 20.
Drawings, Comic. United Feature Syndicate, Inc. 515,410, Sept. 20; Serial No. 554,536, published May 31, 1949.
Feature, Newspaper and magazine. The Register and Tribune Company. 515,243, Sept. 20; Serial No. 510,277, published May 24, 1949.
Magazine. Curtis Publishing Company. 257,312, renewed June 4, 1949. O. G. Sept. 20.
Magazine. Dental Survey Publications. 515,309, Sept. 20; Serial No. 540,261, published June 7, 1949.
Magazine, House. The Plaudler Co. 264,458, renewed Nov. 26, 1949. O. G. Sept. 20.
Magazine, Monthly. Mirror Press, Inc. 257,368, renewed June 4, 1949. O. G. Sept. 20.
Magazine or periodical. The Billboard Publishing Co. 515,441, Sept. 20; Serial No. 560,600, published May 24, 1949.
Magazines. Progressive Educators, Inc. 443,379, Sept. 20; Serial No. 508,440, published May 31, 1949.
Magazines and publications, Trade. Bill Brothers Publishing Corporation. 515,304, Sept. 20; Serial No. 539,264, published May 24, 1949.
Magazines, Periodical, comic magazines. Bermac Associates, Inc. 515,321, Sept. 20; Serial No. 543,770, published June 7, 1949.
Periodical. Honolulu Star-Bulletin, Ltd. 515,320, Sept. 20; Serial No. 542,830, published May 31, 1949.
Periodical, Mutual Beneficial Association of Pennsylvania Railroad, Employees, Incorporated. 261,059, renewed Sept. 3, 1949. O. G. Sept. 20.
Periodical. Sports Afield Publishing Company. 515,424, Sept. 20; Serial No. 556,829, published May 31, 1949.
Periodical, Pictorial humorous. Whisper, Inc. 515,446, Sept. 20; Serial No. 562,894, published June 7, 1949.
Periodicals. The Chase Bag Company. 515,431, Sept. 20; Serial No. 558,465, published June 7, 1949.
Periodicals. F. W. Dodge Corporation. 515,448, Sept. 20; Serial No. 563,667, published June 7, 1949.
Publication. Fawcett Publications, Inc. 515,429, Sept. 20; Serial No. 557,741, published May 24, 1949.
Publication. Harvey & Howe, Inc. 389,339, Aug. 6, 1941. Republished Sept. 20.
Publication. Moorman Manufacturing Company. 515,237, Sept. 20; Serial No. 498,245, published May 24, 1949.
Publication, Annual. Sports Afield Publishing Company. 515,423, Sept. 20; Serial No. 556,828, published May 31, 1949.
Publication, Monthly. Breskin & Charlton Publishing Corporation. 239,890, Mar. 6, 1928. Republished Sept. 20.
Publication, Monthly. Person's Index Facts on File, Inc. 515,444, Sept. 20; Serial No. 562,491, published June 7, 1949.
Publications, Periodical. American Bituminous Company. 515,394, Sept. 20; Serial No. 551,844, published May 31, 1949.
Publications, Periodical. Plane Facts Publishing Company. 515,480, Sept. 20; Serial No. 529,083.
Publications, Periodical, pamphlets, booklets and catalogs. Burroughs Wellcome & Co. (U. S. A.) Inc. 515,439, Sept. 20; Serial No. 559,576, published June 7, 1949.
Publications, Periodical printed. Pocket Publications Limited. 515,447, Sept. 20; Serial No. 563,430, published June 7, 1949.

CLASS 39

Apparel, Men's, women's and children's. Jantzen Knitting Mills Inc. 515,367, Sept. 20; Serial No. 548,083, published May 24, 1949.
Apparel, Protective. The Olympic Glove Company, Inc. 515,353, Sept. 20; Serial No. 547,143, published June 7, 1949.
Apparel, Protective. The Olympic Glove Company, Inc. 515,389, Sept. 20; Serial No. 551,192, published May 24, 1949.
Aprons, Plastic. E C Products Inc. 515,388, Sept. 20; Serial No. 551,043, published June 7, 1949.
Articles of wearing apparel. The Manhattan Shirt Company. 391,238, Oct. 28, 1941. Republished Sept. 20.
Bathing suits, trunks and playsuits, Children's, etc. B. Vieter. 515,371, Sept. 20; Serial No. 548,302, published May 24, 1949.
Bathing trunks. The Manhattan Shirt Company. 352,919, Dec. 14, 1937. Republished Sept. 20.
Bathing trunks and bathing suits. The Manhattan Shirt Company. 407,361, May 30, 1944. Republished Sept. 20.
Blouses, suits, dresses and jackets. Joseph Maniscola & Company. 443,389, Sept. 20; Serial No. 521,671, published May 31, 1949.
Boots and shoes. French, Shriner & Urner. 262,143, renewed Oct. 1, 1949. O. G. Sept. 20.

Bow ties, neckties, shirts, etc., Men's and boys'. Sol Sherman. 515,254, Sept. 20; Serial No. 522,988, published June 7, 1949.
Bra and slip, Combination uplift. Gradis Company, Inc. 515,378, Sept. 20; Serial No. 549,243, published May 24, 1949.
Brassières. Ninon Brassiere Mfg. Co. 515,430, Sept. 20; Serial No. 558,314, published June 7, 1949.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Co., Inc. 322,314, Mar. 5, 1935. Republished Sept. 20.
Brassières, bandeaux, girdles, etc. The Formfit Company. 290,813, Jan. 19, 1932. Republished Sept. 20.
Caps and hats; men's knickers, trousers, etc. Woolrich Woolen Mills. 515,340, Sept. 20; Serial No. 545,318, published Mar. 29, 1949.
Clothing. Burberrys Limited. 260,843, renewed Aug. 27, 1949. O. G. Sept. 20.
Clothing, Children's. I. Miller & Company, Limited. 515,414, Sept. 20; Serial No. 554,802, published June 7, 1949.
Clothing, Children's. Plaikins, Incorporated. 515,412, Sept. 20; Serial No. 554,596, published May 24, 1949.
Clothing, etc., Men's and boys'. Martin's. 515,323–4, Sept. 20; Serial Nos. 544,361–2, published May 31, 1949.
Clothing, Men's. The Joseph & Feiss Company. 515,296, Sept. 20; Serial No. 535,852, published May 10, 1949.
Clothing, Men's and boys' work and sport. Perdue Manufacturing Company, Inc. 515,326, Sept. 20; Serial No. 544,332, published May 31, 1949.
Coats and suits, Ladies' and misses'. Dave Bellsey Co. Inc. 515,346–7, Sept. 20; Serial Nos. 545,946–7, published June 7, 1949.
Coats and suits, Women's. Rubin-Feld. 443,374, Sept. 20; Serial No. 476,700, published May 24, 1949.
Coats, Boys' and men's woolen, cotton, and leather. Cape Ann Manufacturing Co. 430,665, June 17, 1947. Republished Sept. 20.
Coats, suits, mackinaws, etc. Plymouth Wholesale Dry Goods Corporation. 515,465, Sept. 20; Serial No. 509,461.
Corsets and brassières. True Form Corset Co. 186,657, July 22, 1924. Republished Sept. 20.
Corsets, girdles, and brassières. The Berger Brothers Company. 515,415, Sept. 20; Serial No. 554,945, published June 7, 1949.
Corsets, girdles and foundation garments. Mastercraft Foundations. 515,307, Sept. 20; Serial No. 539,726, published May 31, 1949.
Covers, Leg and body. Rock Run Mills. 257,252, renewed June 4, 1949. O. G. Sept. 20.
Cravats. Sweeney Lithograph Company, Inc. 515,361, Sept. 20; Serial No. 547,679, published May 17, 1949.
Creepers and rompers, Infants' knitted, boys' and infants' knitted suits, polo shirts and cardigans. Ann Franzella. 515,252, Sept. 20; Serial No. 522,408, published June 7, 1949.
Dresses, dress sets, christening sets, etc., Infant. Philippine Embroidery Corp. 515,445, Sept. 20; Serial No. 562,804, published May 24, 1949.
Dresses, Infants' and children's. Little Debs Dress Manufacturing Co. Inc. 515,413, Sept. 20; Serial No. 554,679, published June 7, 1949.
Dresses, Women's and misses'. International Dress Company, Inc. 515,245–6, Sept. 20; Serial Nos. 512,779–80, published May 24, 1949.
Garments for infants, Sleeping. A. A. Elkins. 515,354, Sept. 20; Serial No. 547,249, published May 24, 1949.
Garments, Infants' sleeping. Swormco. 515,373, Sept. 20; Serial No. 548,428, published May 24, 1949.
Garments made of fur. Alexander & Sons, Inc. 443,384, Sept. 20; Serial No. 519,914, published June 7, 1949.
Garments, Men's, women's and children's outer. H. Bernstein & Co. 443,377, Sept. 20; Serial No. 504,426, published May 24, 1949.
Garments, Women's and girls' outer, etc. Swallow Raincoats Limited. 515,269, Sept. 20; Serial No. 530,784, published May 24, 1949.
Girdles, brassières and bandeaux. W. Barg. 358,918, July 26, 1938. Republished Sept. 20.
Gloves and mittens, Fabric. The Boss Manufacturing Company. 515,416, Sept. 20; Serial No. 555,050, published May 31, 1949.
Gloves, Men's work. Wolverine Shoe & Tanning Corporation. 515,403, Sept. 20; Serial No. 553,331, published May 31, 1949.
Gloves, Work. Good Luck Glove Company. 515,265, Sept. 20; Serial No. 529,157, published Oct. 12, 1948.
Hair nets. C. K. Thau. 515,421, Sept. 20; Serial No. 555,708, published May 31, 1949.
Handkerchiefs and scarfs. General Handkerchief Corporation. 515,279, Sept. 20; Serial No. 533,014, published May 24, 1949.
Hat bodies. Henry Pollak, Inc. 515,397, Sept. 20; Serial No. 552,269, published May 24, 1949.
Hats, Ladies'. Harry Camp Millinery Company. 515,408–9, Sept. 20; Serial Nos. 554,471–2, published May 24, 1949.
Hats, Men's and boys', etc. Stylepark Hats, Inc. 515,341, Sept. 20; Serial No. 545,408, published May 24, 1949.
Hose, knitted underwear, and underwear of textile fabric, etc., Ladies'. Martin's. 515,325, Sept. 20; Serial No. 544,363, published May 24, 1949.
Hosiery. M. K. M. Hosiery Mills, Inc. 515,362, Sept. 20; Serial No. 547,740, published May 24, 1949.
Hosiery. Rufus W. Scott Co. 263,261, renewed Nov. 5, 1949. O. G. Sept. 20.
Hosiery. Rufus W. Scott Company. 263,533, renewed Nov. 5, 1949. O. G. Sept. 20.
Hosiery and underwear for women and girls. Joel Baily Davis, Inc. 443,388, Sept. 20; Serial No. 521,504, published May 24, 1949.
Hosiery, Ladies' full fashioned and seamless. Nebel Knitting Company. 515,302, Sept. 20; Serial No. 538,436, published May 24, 1949.
Hosiery, Men's, women's and children's. Adams-Millis Corporation. 515,268, Sept. 20; Serial No. 530,451, published May 24, 1949.
Knitted wear and infants' sport wear. S. Fragale. 515,355, Sept. 20; Serial No. 547,252, published May 24, 1949.
Neckties. N. Chini. 443,385, Sept. 20; Serial No. 519,925, published May 10, 1949.
Neckties. Cluett, Peabody & Co., Inc. 515,369, Sept. 20; Serial No. 548,237, published May 24, 1949.
Neckties. The Manhattan Shirt Company. 401,557, May 25, 1943. Republished Sept. 20.
Neckties. S. Sherman. 515,466, Sept. 20; Serial No. 509,677.
Negligees, pajamas, nightgowns, Women's, etc. Universal Laboratories, Inc. 515,433, Sept. 20; Serial No. 556,604, published May 31, 1949.
Nightgowns, pajamas and underwear, Men's, ladies' and children's. William Rifkin & Sons. 515,322, Sept. 20; Serial No. 543,990, published May 31, 1949.
Overalls. Atlas Overall Company. 515,313, Sept. 20; Serial No. 540,762, published May 31, 1949.
Overalls and denim pants and denim jackets. Mann Overall Company, Inc. 443,381, Sept. 20; Serial No. 513,749, published May 31, 1949.
Overcoats and topcoats. Barry-Walt, Inc. 515,497, Sept. 20; Serial No. 551,433.
Playsuits, overalls, ski suits, etc., Ladies' and misses'. Art-Mor Togs Inc. 515,335, Sept. 20; Serial No. 544,838, published May 31, 1949.
Scarfs, stoles, jackets, Fur, etc. J. Weinig & Son. 515,395, Sept. 20; Serial No. 552,026, published May 24, 1949.
Shirts and pajamas, Men's and boys' outer. Sheldon Owen Corporation. 515,351, Sept. 20; Serial No. 546,866, published May 17, 1949.
Shirts and pajamas, Men's outer. The Willow Shirt and Underwear Corporation. 515,267, Sept. 20; Serial No. 529,737, published Oct. 19, 1948.
Shirts, Boys' outer. Sea Island Manufacturing Company, Inc. 515,338, Sept. 20; Serial No. 545,042, published May 31, 1949.
Shirts, Dress, negligee, and sport, and underwear. Royal Manufacturing Company, Inc. 439,241, June 8, 1948. Republished Sept. 20.
Shirts, Men's and women's sport, dress, and work. Cohn-Goldwater Manufacturing Co. 515,299, Sept. 20; Serial No. 537,293, published May 31, 1949.
Shirts, Men's negligee and dress, pajamas and sport shirts. The Enro Shirt Company. 515,344, Sept. 20; Serial No. 545,832, published May 31, 1949.
Shirts, Men's outer. The Manhattan Shirt Company. 364,000, Jan. 17, 1939. Republished Sept. 20.
Shirts, Men's Outer. The Manhattan Shirt Company. 407,522, June 6, 1944. Republished Sept. 20.
Shirts, Outer. The Manhattan Shirt Company. 383,389, Dec. 3, 1940. Republished Sept. 20.
Shirts, Outer. The Manhattan Shirt Company. 408,117, July 18, 1944. Republished Sept. 20.
Shirts, Polo, knit jackets, and sweaters for men, women and children. Norwich Knitting Company. 515,356, Sept. 20; Serial No. 547,270, published May 17, 1949.
Shirts, shorts and pajamas, Men's negligee. Wamsutta Mills. 515,312, Sept. 20; Serial No. 540,747, published May 17, 1949.
Shoes. Vaisey-Bristol Shoe Company, Incorporated. 515,459, Sept. 20; Serial No. 575,878, published June 14, 1949.
Shoes and slippers. Storm Foot Health Shoes, Inc. 515,377, Sept. 20; Serial No. 548,877, published May 24, 1949.
Shoes, Misses', girls', and children's. The A. S. Kreider Shoe Co. 276,544, Oct. 21, 1930. Republished Sept. 20.
Slips, bed jackets and night gowns, Ladies'. United Mills Corporation. 515,381, Sept. 20; Serial No. 549,991, published May 31, 1949.
Slips, Ladies'. Laros Textiles Company. 438,448, Apr. 20, 1948. Republished Sept. 20.
Slips, lounging robes, and pajamas, Ladies'. W. S. Sosin. 515,418, Sept. 20; Serial No. 555,314, published May 31, 1949.
Soles and heels, Rubber-composition, arctics and tennis shoes, and rubber boots and overshoes. Endicott Johnson Corporation. 257,065, May 28, 1929. Republished Sept. 20.
Sportshirts and dress shirts, Men's. Spectator Sportswear Company. 515,350, Sept. 20; Serial No. 546,800, published May 10, 1949.
Suits and overcoats for men. Goodman & Suss Clothes Corporation. 515,376, Sept. 20; Serial No. 548,733, published May 24, 1949.

Suits and pants, Men's and boys'. Famous-Sternberg, Inc. 515,319, Sept. 20; Serial No. 542,825, published June 7, 1949.
Suits and topcoats for men and young men. Goodman & Suss Clothes Corporation. 515,375, Sept. 20; Serial No. 548,727, published May 24, 1949.
Suits, coats, pants, vests, topcoats and overcoats, Men's. Pincus Brothers, Incorporated. 515,363, Sept. 20; Serial No. 547,762, published June 7, 1949.
Suits, overcoats, topcoats, ties, etc., Men's and boys'. Fashion Park, Inc. 515,257, Sept. 20; Serial No. 524,534, published June 7, 1949.
Suits, vests, trousers, etc., Men's. The Royal Tailors Inc. 515,270, Sept. 20; Serial No. 530,850, published May 24, 1949.
Suits, vests, trousers, Men's, etc. The Royal Tailors Inc. 443,390, Sept. 20; Serial No. 525,954, published May 24, 1949.
Ties, dressing gowns, and scarves. Michelsons Limited. 515,386, Sept. 20; Serial No. 550,816, published May 31, 1949.
Trousers and slacks, Men's and boys'. Rival Trouser Co., Inc. 515,499, Sept. 20; Serial No. 552,009.
Undergarments, Ladies'. Laros Textiles Company. 515,295, Sept. 20; Serial No. 535,720, published May 31, 1949.
Underwear and knit clothing, Infants'. Stern Brothers. 263,722, renewed Nov. 12, 1949. O. G. Sept. 20.
Underwear for women and girls, Knitted and textile. Vanity Fair Silk Mills. 263,942, renewed Nov. 12, 1949. O. G. Sept. 20.
Underwear, Knitted. Norwich Knitting Company. 515,366, Sept. 20; Serial No. 547,935, published May 31, 1949.
Underwear, Men's, women's, and children's. Brown Durrell Co. 262,190, renewed Oct. 1, 1949. O. G. Sept. 20.
Underwear, Men's, women's, and children's. Brown Durrell Co. 262,998, renewed Oct. 29, 1949. O. G. Sept. 20.
Underwear, outer shirts, and sweaters, Knitted and woven. Belrich Corporation. 515,479, Sept. 20; Serial No. 525,533.
Underwear, Women's. Maiden Form Brassiere Co., Inc. 307,816, Nov. 7, 1933. Republished Sept. 20.
Union suits, undershirts, drawers, etc. Norwich Knitting Company. 515,359, Sept. 20; Serial No. 547,359, published May 24, 1949.
Wearing apparel, Children's. Indian River Textile Co., Inc. 515,407, Sept. 20; Serial No. 553,862, published May 31, 1949.
Wearing apparel, Children's. Jolly Kids Togs. 515,343, Sept. 20; Serial No. 545,483, published June 7, 1949.
Wearing apparel, Women's and children's. Alice Frock Company. 515,383, Sept. 20; Serial No. 550,202, published June 7, 1949.
Workshirts, Men's, men's outer flannel shirts, men's dress-shirts, etc. Beaumont Dry Goods & Notions Co. 135,913, Oct. 26, 1920. Republished Sept. 20.

CLASS 40

Bindings, Taffeta seam. Lawrence Schiff Silk Mills. 515,495, Sept. 20; Serial No. 550,953.
Combs and hair barrettes, Decorated, etc. Melrod Products, Inc. 515,502, Sept. 20; Serial No. 556,978.
Openers, Hairpin. N. K. Elward. 515,484, Sept. 20; Serial No. 535,282.

CLASS 42

Goods in the piece, Cotton. Bellman Brook Bleachery Co. 311,648, Apr. 3, 1934. Republished Sept. 20.
Piece goods. Burberrys Limited. 259,571, renewed Aug. 6, 1949. O. G. Sept. 20.
Piece goods. Gribbon Company, Inc. 263,543, renewed Nov. 5, 1949. O. G. Sept. 20.
Plaids, checks, cheviots, Cotton, etc. Riverside Cotton Mills. 73,903, re-renewed June 1, 1949. O. G. Sept. 20.

CLASS 43

Thread and yarn. W. Warren Thread Works. 515,458, Sept. 20; Serial No. 570,889, published June 14, 1949.
Thread, Mercerized. M. I. Goldstein & Sons. 515,508, Sept. 20; Serial No. 558,227.
Thread, Nylon sewing. Belding Heminway Company, Inc. 515,451, Sept. 20; Serial No. 565,109, published May 10, 1949.
Thread, Packages of. The American Thread Company. 443,380, Sept. 20; Serial No. 509,389, published May 10, 1949.
Thread, Rubberized. The Clark Thread Company. 515,281, Sept. 20; Serial No. 538,141, published May 17, 1949.
Thread, Rubberized. The Clark Thread Company. 515,282, Sept. 20; Serial No. 538,143, published May 17, 1949.
Threads and yarns, Synthetic. Imperial Chemical Industries, Limited. 515,460, Sept. 20; Serial No. 576,331, published June 7, 1949.
Threads, Sewing. Max Pollack & Co., Inc. 515,420, Sept. 20; Serial No. 555,613, published May 10, 1949.
Yarn, Knitting. McCrory Stores Corporation. 515,453, Sept. 20; Serial No. 568,966, published May 24, 1949.
Yarn, Nylon and/or cotton hand knitting and crochet. Bernhard Ulmann Co. Inc. 515,506, Sept. 20; Serial No. 561,357.
Yarns. James Lees and Sons Company. 515,436, Sept. 20; Serial No. 558,886, published May 10, 1949.
Yarns. James Lees and Sons Company. 515,437, Sept. 20; Serial No. 558,890, published May 10, 1949.
Yarns. James Lees and Sons Company. 515,438, Sept. 20; Serial No. 558,892, published May 10, 1949.
Yarns, Hand knitting. Botany Mills, Inc. 515,449–50, Sept. 20; Serial Nos. 564,924–5, published May 10, 1949.
Yarns, Hand knitting. Sewing Silks Limited. 515,419, Sept. 20; Serial No. 555,456, published May 24, 1949.
Yarns, Weaving, knitting yarns, and specialty yarns. Limerick Yarn Mills. 515,452, Sept. 20; Serial No. 565,944, published June 7, 1949.

CLASS 44

Band material and seamless bands composed of an alloy of precious metals for orthodontic and dental purposes. Baker & Company, Inc. 259,605, renewed Aug. 6, 1949. O. G. Sept. 20.
Wire composed of an alloy of precious metals for orthodontic and dental purposes. Baker & Company, Inc. 259,606, renewed Aug. 6, 1949. O. G. Sept. 20.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Jackson Brewing Company. 262,858, renewed Oct. 29, 1949. O. G. Sept. 20.

CLASS 46

Apples, Fresh. W. S. Dwinnell. 515,342, Sept. 20; Serial No. 545,464, published May 31, 1949.
Bacon, Smoked. Valley Packing Company. 515,487, Sept. 20; Serial No. 538,201.
Candy bars. Sperry Candy Company. 515,315, Sept. 20; Serial No. 541,213, published May 31, 1949.
Canned food products and condiments, etc. Lee & Cady. 442,146, Mar. 1, 1949. Republished Sept. 20.
Canned foods. Chicago Macaroni Company. 515,387, Sept. 20; Serial No. 544,975, published May 31, 1949.
Canned goods. Evangeline Pepper & Food Products, Inc. 515,311, Sept. 20; Serial No. 540,656, published May 31, 1949.
Canned soups and canned stuffed kishke. U. S. Conserve Co. 515,493, Sept. 20; Serial No. 549,195.
Canned spiced fruits. J. Jacobs. 515,470, Sept. 20; Serial No. 514,607.
Canned vegetables. Phillips Sales Company, Inc. 283,647, June 2, 1931. Republished Sept. 20.
Canned vegetables. Portland Packing Co. 515,368, Sept. 20; Serial No. 548,176, published May 31, 1949.
Canned vegetables, canned fruits, dried fruits, etc. Kansas City Wholesale Grocery Co. 74,505, re-renewed July 20, 1949. O. G. Sept. 20.
Cheese. G. Ehrat. 110,314, May 16, 1916. Republished Sept. 20.
Coffee. Brownell & Field Co. 48,977, Jan. 16, 1906. Republished Sept. 20.
Custard powder and pudding powder; bread, cream crackers, and biscuits, etc. Strand Victor Bekmand. 515,305, Sept. 20; Serial No. 539,577, published May 31, 1949.
Feed, Chick, growing mash, etc. The Great Atlantic and Pacific Tea Company. 515,330, Sept. 20; Serial No. 544,568, published May 31, 1949.
Feed, Dairy. The Great Atlantic and Pacific Tea Company. 515,332, Sept. 20; Serial No. 544,570, published May 31, 1949.
Feed, Hog supplement. The Great Atlantic and Pacific Tea Company. 515,331, Sept. 20; Serial No. 544,569, published May 31, 1949.
Feed, Horse. The Great Atlantic and Pacific Tea Company. 515,327, Sept. 20; Serial No. 544,565, published May 31, 1949.
Feed, Poultry and livestock. McVeigh & Company, Inc. 515,492, Sept. 20; Serial No. 548,009.
Feed, Scratch, and laying mash feeds, etc. The Great Atlantic and Pacific Tea Company. 515,328, Sept. 20; Serial No. 544,566, published May 31, 1949.
Flavorings in liquid and powdered form. S. K. White. 515,349, Sept. 20; Serial No. 546,832, published May 31, 1949.
Flour, Wheat. Houston Milling Company. 348,504–5, July 27, 1937. Republished Sept. 20.
Flour, Wheat. Houston Milling Company. 348,647, Aug. 3, 1937. Republished Sept. 20.
Foods for livestock. The Harold N. Simpson Company. 383,023, Nov. 19, 1940. Republished Sept. 20.
Fruit, Fresh citrus. Walnut Fruit Growers Association. 205,947, Nov. 17, 1925. Republished Sept. 20.
Fruits, Dried. Valley View Packing Company. 422,179, July 9, 1946. Republished Sept. 20.
Fruits, Dried, raisins and currants. Valley View Packing Company. 425,546, Nov. 26, 1946. Republished Sept. 20.
Fruits, Fresh, canned, and frozen. R. D. Bodle Co. 278,730, Dec. 30, 1930. Republished Sept. 20.
Fruits, Fresh citrus. East Whittier Citrus Association. 515,300, Sept. 20; Serial No. 537,793, published May 31, 1949.

Fruits, Fresh citrus. Limoneira Company. 233,799–800, Oct. 11, 1927. Republished Sept. 20.
Fruits, Fresh citrus. Limoneira Company. 242,971, June 5, 1928. Republished Sept. 20.
Fruits, Fresh citrus. Limoneira Company. 255,511, Apr. 23, 1929. Republished Sept. 20.
Fruits, Fresh deciduous. Pacific Fruit Exchange. 243,404, renewed Nov. 5, 1949. O. G. Sept. 20.
Fruits, Fresh deciduous. Yakima Fruit Growers Association. 314,272, June 26, 1934. Corrected. O. G. Sept. 20.
Lard, pork sausage, breakfast-bacon, etc. The Cleveland Provision Company. 75,503, re-renewed Oct. 12, 1949. O. G. Sept. 20.
Lemons. Murphy Oil Company. 115,785, Mar. 6, 1917. Republished Sept. 20.
Marmalade, Orange, apple butter, fruit preserves, jams and jellies. R. Pritchard, Inc. 515,310, Sept. 20; Serial No. 540,315, published May 31, 1949.
Meal, Pig. The Great Atlantic and Pacific Tea Company. 515,333, Sept. 20; Serial No. 544,571, published May 31, 1949.
Molasses; mustard; tomato catsup, etc. B. A. Railton Co. 162,870, Dec. 26, 1922. Republished Sept. 20.
Oranges, lemons, and grapefruit. Murphy Oil Company. 116,344, Apr. 24, 1917. Republished Sept. 20.
Pies, breakfast pastries, doughnuts, etc. Channel Bakers. 508,273, Apr. 5, 1949. Corrected. O. G. Sept. 20.
Potato chips. W. P. Ihrie and Sons. 515,462, Sept. 20; Serial No. 502,439.
Preserves, jellies and jams, Berry. H. Reck Co. 515,496, Sept. 20; Serial No. 551,310.
Rice. Comet Rice Mills, Inc. 515,490, Sept. 20; Serial No. 542,084.
Ryedough conditioner in dehydrated form. Superior Brands, Inc. 515,292, Sept. 20; Serial No. 534,895, published May 31, 1949.
Sauce for roast meats, steaks, etc. Lea & Perrins. 21,208, May 31, 1892. New certificate. O. G. Sept. 20.
Starter, Chick. The Great Atlantic and Pacific Tea Company. 515,329, Sept. 20; Serial No. 544,567, published May 31, 1949.
Syrup, Table, fruit preserves, jellies, etc. Tea Garden Products Co. 264,387, renewed Nov. 26, 1949. O. G. Sept. 20.
Vegetables, Fresh. D'Arrigo Bros. Co. 271,918, June 17, 1930. Republished Sept. 20.
Vegetables, Fresh. Farley Fruit Company. 410,148, Nov. 7, 1944. Republished Sept. 20.
Vegetables, Fresh. Farley Fruit Co. 410,220, Nov. 14, 1944. Republished Sept. 20.
Vegetables, Fresh. Joe. & Ben Gettinger. 515,308, Sept. 20; Serial No. 540,066, published May 31, 1949.
Vegetables, Fresh. M. H. Spiegl. 365,256, Feb. 28, 1939. Republished Sept. 20.
Vegetables, Fresh. W & S Packing Company. 515,336, Sept. 20; Serial No. 544,945, published May 24, 1949.

CLASS 48

Beer. G. Heileman Brewing Co. 74,371, re-renewed July 6, 1949. O. G. Sept. 20.

CLASS 49

Rock and rye. Leroux and Company, Inc. 377,481, May 7, 1940. Amended. O. G. Sept. 20.
Sloe gin. Hiram Walker & Sons, Inc. 376,903, Apr. 9, 1940. Republished Sept. 20.

CLASS 50

Bars for holding military ribbon bars, Pin base. Gemsco, Inc. 515,501, Sept. 20; Serial No. 555,747.
Buoy, Miniature. Panef Manufacturing Co., Inc. 515,481, Sept. 20; Serial No. 530,558.
Covering material, Leatherette. Comfort Lines, Inc. 515,500, Sept. 20; Serial No. 553,682.
Covering materials for loose-leaf binders. Feldco Loose Leaf Corporation. 515,463, Sept. 20; Serial No. 504,538.
Kit for cats and dogs, Clean up. R. Pierce. 515,476, Sept. 20; Serial No. 522,089.
Mats, Door, and floor mats. S. A. Kowalski. 515,475, Sept. 20; Serial No. 521,737.
Scaffolding and parts thereof. The Patnet Scaffolding Co., Inc. 515,507, Sept. 20; Serial No. 561,375.
Signs, Non-electrical, and non-electrical letters for signs. Scott Signs Company. 515,467, Sept. 20; Serial No. 510,733.

CLASS 55

Compilation and distribution of trade information. National Association of Hotel and Restaurant Meat Purveyors. 515,512, Sept. 20; Serial No. 528,364.
Planning and consultation services, Business and management. Business Collaborators Incorporated. 515,461, Sept. 20; Serial No. 527,394, published Nov. 30, 1948.
Services rendered manufacturers of all kinds of fabrics. Bradford Dyeing Association (U. S. A.). 515,513, Sept. 20; Serial No. 544,148.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Krabbe, Ulrik H.
Battershill, Frederick J.: *See*—
Lubbock, Isaac, and Battershill.
Börjeson, Edward W., Stockholm, Sweden. Wheel suspension. Re. 23,147, Sept. 20.
Deal, Carl H., Jr.: *See*—
Shiras, Russell N., Nixon, and Deal.
Krabbe, Ulrik H., Fr. Boge, Denmark, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Regulating a machine voltage. Re. 23,148, Sept. 20.
Lindberg, John E., Jr., assignee: *See*—
Sexton, Robert L.
Lubbock, Isaac, and F. J. Battershill, Great Saint Helens, London, assignors, by mesne assignments, to Power Jets (Research & Development) Limited, London, England. Combustion burner. Re. 23,149, Sept. 20.
Nixon, Alan C.: *See*—
Shiras, Russell N., Nixon, and Deal.
Power Jets (Research & Development) Limited, assignee: *See*—
Lubbock, Isaac, and Battershill.
Sexton, Robert L., Port Washington, N. Y., assignor to J. E. Lindberg, Jr., Redwood City, Calif. Engine ignition and power testing apparatus. Re. 23,150, Sept. 20.
Shell Development Company, assignee: *See*—
Shiras, Russell N., Nixon, and Deal.
Shiras, Russell N., Oakland, A. C. Nixon, Berkeley, and C. H. Deal, Jr., Alameda, assignors to Shell Development Company, San Francisco, Calif. Isomerization of cycloparaffins of nonhydroaromatic structure. Re. 23,151, Sept. 20.

LIST OF PLANT PATENTEES

Godchaux, Frank A., Abbeville, La. Camellia plant. 873, Sept. 20.
Haase Brothers, assignee: *See*—
Haase, William J.
Haase, William J., assignor to Haase Brothers, Peoria, Ill. Geranium plant. 875, Sept. 20.
Jackson & Perkins Company, assignee: *See*—
Verschuren, Hendrikus A. M.
Verschuren, Hendrikus A. M., Hapa, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 874, Sept. 20.

LIST OF PLANT PATENTEES

Arcier, Alex F., Dayton, Ohio, assignor to The Waco Aircraft Company. Airplane. 155,256, Sept. 20.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Expansible chain for a bracelet or similar article. 155,257, Sept. 20.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 155,258, Sept. 20.
Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Brooch or similar article. 155,259, Sept. 20.
Baron, Leonard, Whitestone, N. Y., assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 155,260, Sept. 20.
Bendix Aviation Corporation, assignee: *See*—
Fontaine, Athanas P.
Beuson, Steve V., assignee: *See*—
Pierce, Lyle F.
Billingsley, William F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 155,261, Sept. 20.
Birnbaum, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 155,262, Sept. 20.
Boettcher, Gustav A., Jackson Heights, N. Y. Frame for a multineedle sewing machine. 155,263, Sept. 20.
Boldt, Melvin H.: *See*—
Burroughs, Louis R., and Boldt.
Bolsey, Jacques, New York, N. Y. Photographic camera. 155,264, Sept. 20.
Breen, Frederick M., White Plains, N. Y. Combined lipstick holder and vanity case. 155,265, Sept. 20.
Bretschneider, Curt, Philadelphia, Pa. Automobile. 155,266, Sept. 20.
Brown, Alexander P., Beechhurst, N. Y. Piano or similar article. 155,267, Sept. 20.
Brzeski, John, Chicago, Ill. Pack of game cards. 155,268, Sept. 20.
Burroughs, Clarence M., Glendale, Calif. Ice water pitcher. 155,269, Sept. 20.
Burroughs, Louis R., South Bend, Ind., and M. H. Boldt, Glenview, Ill., assignors to Wilcox-Gay Corporation, Charlotte, Mich. Microphone. 155,270, Sept. 20.
Collard, Walter J., and G. W. De Loof, Detroit, Mich. Paper dispenser. 155,271, Sept. 20.
Day-Brite Lighting, Inc., assignee: *See*—
Meyer, Carl X.
De Loof, George W.: *See*—
Collard, Walter J., and De Loof.
Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 155,272, Sept. 20.
Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Chair. 155,273, Sept. 20.
Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Tilt-back chair. 155,274, Sept. 20.
Eames, Charles, West Los Angeles, Calif., assignor to Evans Products Company, Detroit, Mich. Easy chair. 155,275, Sept. 20.
Eklund, Daryll D., Council Bluffs, Iowa. Granular material container. 155,276, Sept. 20.
Evans Case Co., assignee: *See*—
Kirby, Robert F.
Evans Products Company, assignee: *See*—
Eames, Charles.
Fausel, Charles A., Glen Ridge, N. J. Toy music box. 155,277, Sept. 20.
Fischett, Charles, South Ozone Park, N. Y. Candleholder. 155,278, Sept. 20.
Flesch, Stanley, Chicago, Ill. Tripod head for a camera or similar article. 155,279, Sept. 20.
Flesch, Stanley, Chicago, Ill. Tripod head for a camera or similar article. 155,280, Sept. 20.
Fontaine, Athanas P., assignor to Bendix Aviation Corporation, Detroit, Mich. Amphibian airplane. 155,281, Sept. 20.
Foster, James L.: *See*—
Klingens, Cornelis, and Foster.
Fuller, Paul M., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric organ. 155,282, Sept. 20.
Gangbin, Irol G., Fresno, Calif. Indirect lighting fixture. 155,283, Sept. 20.
Gershun, Merton L., assignor to Rembrandt Lamp Corporation, Chicago, Ill. Lamp base. 155,284, Sept. 20.
Goodrich, B. F., Company, The, assignee: *See*—
Billingsley, William F.
Ofensend, Chase F.
Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Stratford Pen Corporation, New York, N. Y. Writing implement. 155,285, Sept. 20.

Guior, Armand M., assignor to Imperiad Dania Silver Corp., New York, N. Y. Bottle opener. 155,286, Sept. 20.
Hartford Textile Corporation, assignee: *See*—
Mack, Joseph.
Hawes, Albert H. Erdington, Birmingham, assignor to Kwikform Limited, Birmingham, England. Hacking tool. 155,287, Sept. 20.
Hellberg, Carl W., Chicago, Ill. Combined coffee brewer cover and stand. 155,288, Sept. 20.
Hobar Corporation, assignee: *See*—
Baron, Leonard.
Hoople, Warner W., assignor to Mildred A. Skelley, Dallas, Tex., doing business as Weber's Root Beer Company. Drinking mug. 155,289, Sept. 20.
Imperial Dania Silver Corp., assignee: *See*—
Guior, Armand M.
Johnsen, William H., Dallas, Tex. Automobile headlight visor. 155,290, Sept. 20.
Kayware Corporation, assignee: *See*—
McKay, William L.
Kirby, Robert F., North Attleboro, Mass., assignor to Evans Case Co. Combined tobacco pouch and lighter. 155,291, Sept. 20.
Klingens, Cornelis, Barendrecht, Netherlands, and J. L. Foster, assignors to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 155,292, Sept. 20.
Kucsajda, Frederick J., Windsor, Ontario, Canada, assignor to Motif Manufacturing Co., Inc., Detroit, Mich. Finger ring. 155,293, Sept. 20.
Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,294, Sept. 20.
Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,295, Sept. 20.
Kuehl, Walter A., Chicago, Ill. Electric soldering tool. 155,296, Sept. 20.
Kushner, Julian H., New York, N. Y. Miniature jewelry screw driver. 155,297, Sept. 20.
Kwikform Limited, assignee: *See*—
Hawes, Albert H.
La Falce, Palmerino, Buffalo, N. Y. Whipping top. 155,298, Sept. 20.
Laier, Joseph K., Kansas City, Mo. Holder for plate, cup, and implement. 155,299, Sept. 20.
Little, John M., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 155,300, Sept. 20.
Lowrey, Clyde J., assignor of one-half to J. C. Weigel, Dayton, Ohio. Transposition bracket. 155,301, Sept. 20.
Mack, Joseph, Clifton, N. J., assignor to Hartford Textile Corporation, New York, N. Y. Tablecloth. 155,302, Sept. 20.
Mayes, Frank E., Fayetteville, Ark. Automobile. 155,303, Sept. 20.
McKay, William L., Evanston, assignor to Kayware Corporation, Chicago, Ill. Child's cup. 155,304, Sept. 20.
Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 155,305, Sept. 20.
Meyer, Carl X., assignor to Day-Brite Lighting, Inc., St, Louis, Mo. Louvered fluorescent lighting fixture. 155,306, Sept. 20.
Miller, Myron C., Seattle, Wash. Fish lure. 155,307, Sept. 20.
Morrison-Atlas Products, assignee: *See*—
Morrison, Morris.
Morrison, Morris, assignor to Morrison-Atlas Products, Chicago, Ill. Hair wave fluid applicator or similar article. 155,308, Sept. 20.
Morrison, Morris, assignor to Morrison-Atlas Products, Chicago, Ill. Hair wave fluid applicator or similar article. 155,309, Sept. 20.
Motif Manufacturing Co., Inc., assignee: *See*—
Kucsajda, Frederick J.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Hairbrush. 155,310, Sept. 20.
Ofensend, Chase F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 155,311, Sept. 20.
Otto, Carl L., assignor to The Torsion Balance Company, New York, N. Y. Cream test scale. 155,312, Sept. 20.
Otto, Carl L., assignor to The Torsion Balance Company, New York, N. Y. Laboratory scale. 155,313, Sept. 20.
Pessina, Joseph G., St. Louis, Mo. Can top piercer. 155,314, Sept. 20.
Peukert, Rudolph, Toronto, Ontario, Canada. Faceted game control element. 155,315, Sept. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,316, Sept. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,317, Sept. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 155,318, Sept. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,319, Sept. 20.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155, 320, Sept. 20.
Phillips, Harry, assignor to State Welding Works, Inc., New York, N. Y. Grille guard for automobile radiators. 155,321, Sept. 20.
Pierce, Lyle F., assignor of fifty per cent to S. V. Beuson, Watsonville, Calif. Coin dispenser. 155,322, Sept. 20.
Pogue, Lorne E., Long Beach, Calif. Game board. 155,323, Sept. 20.
Pro-phy-lac-tic Brush Company, assignee: *See*—
Muller-Munk, Peter.
Reinad Novelty Co., assignee: *See*—
Wienner, William.
Rembrandt Lamp Corporation, assignee: *See*—
Gershun, Merton L.
Schladermundt, Peter: *See*—
Green, Warren, and Schladermundt.
Skelley, Mildred A., assignee: *See*—
Hoople, Warner W.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
State Welding Works, Inc., assignee: *See*—
Birnbaum, Hasry.
Phillips, Harry.
Stratford Pen Corporation, assignee: *See*—
Green, Warren, and Schladermundt.
Toledo Scale Company, assignee: *See*—
Little, John M.
Torsion Balance Company, The, assignee: *See*—
Otto, Carl L.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
U. S. Slicing Machine Company, assignee: *See*—
Klingens, Cornelis, and Foster.
Von Hirsch, Fritz, Nutley, N. J. Egg opener. 155,324, Sept. 20.
Waco Aircraft Company, The, assignee: *See*—
Arcier, Alex F.
Wade, Charles M., Colorado Springs, Colo. Book end lamp base or similar article. 155,325, Sept. 20.
Weber's Root Beer Company, assignee: *See*—
Hoople, Warner W.
Weigel, John C., assignee: *See*—
Lowrey, Clyde J.
Wienner, William, assignor to Reinad Novelty Co., New York, N. Y. Earring or similar article. 155,326, Sept. 20.
Wilcox-Gay Corporation, assignee: *See*—
Burroughs, Louis R., and Boldt.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Fuller, Paul M.
Zaikaner, Herman S., New York, N. Y. Tray. 155,327, Sept. 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aakjer, Jens J.: *See*—
Knochel, William J., and Aakjer.
Acton, Russel D., Chicago, Ill. Sealing ring for centrifugal devices. 2,482,570, Sept. 20.
Adam, Frank, Huntleigh Village, assignor to Frank Adam Electric Company, St. Louis, Mo. Bus duct. 2,482,310, Sept. 20.
Adam, Frank, Electric Company, assignee: *See*—
Adam, Frank.
Adams, James B., Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Piezoelectric crystal holder. 2,482,451, Sept. 20.
Adel Precision Products Corp., assignee: *See*—
Strid, Carl J., and Blake.
Adelson, David E., and H. Dannenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyallyl naphthenate. 2,482,606, Sept. 20.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Boatner, Charlotte H., Hall, and Merrifield.
Air Controls Inc., assignee: *See*—
Schwars, Gerald L.
Air Reduction Company, Incorporated, assignee: *See*—
Van Nuys, Claude C.
Alco Valve Company, assignee: *See*—
Miller, Edward G., and Engberg.
Algren Watch Findings Co., Inc., assignee: *See*—
Greenberg, Charles B.
All American Airways, Inc., assignee: *See*—
Cotton, Robert B.
Allen, Samuel, New York, N. Y. Slotted spectacle frame. 2,482,144, Sept. 20.
Allied Chemical & Dye Corporation, assignee: *See*—
Tiddy, William.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Volgovskoy, Boris, and Halter.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Persson, Gunnar J.
Sjöberg, Nils.
Törnros, Eugen.
Almquist, Nils T., New Britain, assignor to The Greist Manufacturing Company, New Haven, Conn. Buttonhole attachment for sewing machines. 2,482,607, Sept. 20.
Alpert, Daniel, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Concentric line cavity resonator device. 2,482,452, Sept. 20.
Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Bocking, Shirley A.
American Air Filter Company, Inc., assignee: *See*—
Sylvan, Stig G.
American Car and Foundry Company, assignee: *See*—
Pancake, Herman H.
American Chain & Cable Company, Inc., assignee: *See*—
Peterson, Vincent C. J.
American Cyanamid Company, assignee: *See*—
Day, Harold M.
De Waard, Russell D., and Stock.
Jayne, David W., Jr., and Day.
Smith, James M., Jr.
American Gas Machine Company, assignee: *See*—
Yauger, Harland A., and Goette.
American Machine & Foundry Company, assignee: *See*—
Jensen, Thormod.
American Optical Company, assignee: *See*—
Brown, Morden G., and Lundberg.
Gagnon, Louis L.
Gradisar, Albin A.
Moulton, Harold R.
Tillyer, Edgar D.
Anderson, Rolland L., Memphis, Tenn. Pitot head. 2,482,701, Sept. 20.
Andrews, Ray, Washington, Pa., assignor to B. F. Drakenfeld & Co., Inc., New York, N. Y. Flux. 2,482,533, Sept. 20.
Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Merocyanines and their preparation. 2,482,532, Sept. 20.
Ankenman, Earl B., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking of series motors. 2,482,453, Sept. 20.
Antheaume, Jacques A. O., Saint-Gaudens, assignor to Compagnie Francaise de Raffinage, Paris, France. Isomerization. 2,482,145, Sept. 20.
Antonidis, John E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting apparatus. 2,482,534, Sept. 20.
Armco Steel Corporation, assignee: *See*—
Clarke, William C.

Armstrong Cork Company, assignee: *See*—
Billmeyer, Bruce R.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Schmid, Russell F.
Arnold, George J., Jackson Heights, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera focusing structure having pivoted supplementary lens. 2,482,571, Sept. 20.
Arringdale, Roger L., assignor to Diamond Instrument Company, Wakefield, Mass. Teleseismic detecting, signaling, and recording. 2,482,233, Sept. 20.
Arrow-Hart & Hegeman Electric Co., The, assignee: *See*—
Foster, Uri D.
Arrow Manufacturing Company, assignee: *See*—
Gershon, Melvin.
Asak, Ragnvald, Vestre Aker, near Oslo, assignor to Christiania Spigerverk, Nydalen, near Oslo, Norway. Treatment of vanadium-bearing ores. 2,482,311, Sept. 20.
Ashman, Gregory: *See*—
Harris, Sidney R., and Ashman.
Associated Spring Corporation, assignee: *See*—
Wells, Joseph W.
Atlantic Refining Co., The, assignee: *See*—
Hersberger, Arthur B., and Goslow.
Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Attorney General of the United States, vested in the: *See*—
Mickley, Erich.
Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,089, Sept. 20.
Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,090, Sept. 20.
Audrieth, Ludwig F., and De W. D. Sager, Dover, N. J., assignors to the United States of America as represented by the Secretary of War. Making a high-density explosive. 2,482,091, Sept. 20.
Automatic Electric Laboratories, Inc., assignee: *See*—
Grandstaff, Otho D.
Automatic Electrical Devices Company, assignee: *See*—
Goshorn, Robert R.
Avigdor, Rifat, Toronto, Ontario, Canada. Phonograph record filing system. 2,482,572, Sept. 20.
Bachle, Carl F., assignor, by mesne assignments, to Continental Motors Corporation, Detroit, Mich. Force transmitting member. 2,482,312, Sept. 20.
Bailey, Edward W., Athens, Ohio. Well swabber. 2,482,455, Sept. 20.
Bailey, Walter C., Kendall, Kans. Trap. 2,482,454, Sept. 20.
Baird, Parker K.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
Baker, Ally, Chicago, Ill. Batter dispensing cart for baking apparatus. 2,482,146, Sept. 20.
Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,482,092, Sept. 20.
Baker, Dwight L., assignor to B. L. Sarett, Chicago, Ill. Deoxygenation process. 2,482,724, Sept. 20.
Baker Oil Tools, Inc., assignee: *See*—
Burt, Clarence E.
Kriegel, Bernard.
Balleisen, Charles E.: *See*—
Studler, Rene R., Feltman, and Balleisen.
Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Change-speed transmission. 2,482,573, Sept. 20.
Barber-Coleman Company, assignee: *See*—
Crandall, Charles B.
Purvin, Benjamin R.
Tice, William F.
Barker, Raymond L., Chicago, Ill. Resilient target. 2,482,234, Sept. 20.
Barnaby Manufacturing and Tool Company, assignee: *See*—
Toth, Barnabas P.
Barr, John M., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,482,396, Sept. 20.
Bartolucci & Waldheim, assignee: *See*—
Waldheim, John J.
Bascle, Joseph A., New Orleans, assignor, by mesne assignments, to J. G. and J. J. Sloat, Slidell, La. Hydraulic clutch. 2,482,313, Sept. 20.

Bashore, Homer H., assignor to Precision Scientific Co., Chicago, Ill. Testing apparatus for elastomeric material. 2,482,147, Sept. 20.

Bastian-Blessing Company, The, assignee: *See*—
Boedecker, Woodrow S.

Batsdorff, Alfred: *See*—
Urban, Joseph T., and Batsdorff.

Bausch & Lomb Optical Company, assignee: *See*—
Roos, Paul A.

Bayless, Russell E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Countersinking tool. 2,482,535, Sept. 20.

Becchia, Hugo, New York, N. Y. Centrifugal homogenizer. 2,482,235, Sept. 20.

Beckman, Carl, Montclair, and I. Zambakian, Bloomfield, N. J. Electrodynamic telephone handset. 2,482,148, Sept. 20.

Beckwell, Clarence B., Superior, Wis. Gaff hook. 2,482,314, Sept. 20.

Bedell, Stewart C., Big Pine, Calif., assignor of one-half to A. Rea, Mount Montgomery, Nev. Dumpcart. 2,482,608, Sept. 20.

Bee-Line Company, assignee: *See*—
Smith, Roy D.

Beesley, Frederick W.: *See*—
Killman, Robert T., and Beesley.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Cutler, Cassius C.
Feldman, Carl B. H.
Hagstrum, Homer D.
Pfleger, Kenneth W.
Rogle, James M.
Rudin, Robert.

Beltone Hearing Aid Co., assignee: *See*—
Posen, Sam.

Bendix Aviation Corporation, assignee: *See*—
Litton, Felix B.
Marye, Robert B.
Rylsky, Gregory V.

Bennett, Ernest R., Dumas, Tex. Fish keeper. 2,482,315, Sept. 20.

Bent, Arthur J.: *See*—
Rush, John W., and Bent.

Berch, Samuel H., assignor to The Flexible Vacuum Container Corporation, Los Angeles, Calif. Vacuum sealing machine. 2,482,609, Sept. 20.

Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Adjustment mechanism for fluid meters. 2,482,645, Sept. 20.

Bergen Engineering and Sales Corporation, assignee: *See*—
Jones, Walter.

Bergland, Orion W., Dayton, assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Multiple impregnation of papermakers' felt. 2,482,236, Sept. 20.

Bergland, Orion W., Dayton, assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Impregnating paper making felts with polyvinyl alcohol containing emulsion. 2,482,237, Sept. 20.

Bergmans, Jan: *See*—
van Liempt, Johannes A. M., and Bergmans.

Bethelehem Steel Company, assignee: *See*—
Mulquin, William R.

Bets, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Gas burner with thermocouple. 2,482,238, Sept. 20.

Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Making long draft aprons. 2,482,702, Sept. 20.

Black, Harold E.: *See*—
Funk, Ernest R., Jr., and Black.

Black, John E., Atlanta, Ga., dedicated to the free use of the people in the territory of the United States. Fire line plow. 2,482,456, Sept. 20.

Blackmer and Post Pipe Company, assignee: *See*—
Loelkes, George L.

Blake, Joseph R.: *See*—
Strid, Carl J., and Blake.

Blankmeyer, Wallace H., Buttle, Mont. Time delay electrical relay system. 2,482,397, Sept. 20.

Blanton, Albert, Wallins Creek, O. H. Howard, Harlan, and E. R. Howard, Loyall, Ky. Rifle. 2,482,398, Sept. 20.

Blickenstorfer, Albert, assignor to Grob & Co., Aktiengesellschaft, Horgen, Switzerland. Heald shaft for looms. 2,482,149, Sept. 20.

Boatner, Charlotte H., C. M. Hall, and A. L. Merrifield, New Orleans, La., assignors to United States of America as represented by the Secretary of Agriculture. Heavy gravity liquid separation of cotton seed. 2,482,141, Sept. 20.

Bocciarelli, Carlo V., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. Sawtooth current linearising system. 2,482,150, Sept. 20.

Bocking, Shirley A., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Lamella resistance unit. 2,482,316, Sept. 20.

Boedecker, Woodrow S., assignor to The Bastian-Blessing Company, Chicago, Ill. Combination check valve and flash arrester. 2,482,457, Sept. 20.

Bogrow, Alexander: *See*—
Marek, Leroy F., and Bogrow.

Bogrow, Alexander, Brighton, and A. R. Johnson, Stoneham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Reduction of viscosity of molten sulfur by means of resin acids. 2,482,574, Sept. 20.

Bonkiewies, Joseph, Jr.: *See*—
Tuligren, Lester C., and Bonkiewies.

Borer, Emile, Bienne, assignor to Rolex Watch Co. Ltd., Geneva, Switzerland. Tight winding device for watches. 2,482,317, Sept. 20.

Botwinick, Israel, Brooklyn, N. Y. Mold for forming ornamental plastic buttonhole casings. 2,482,239, Sept. 20.

Bouton, Edgar M., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator. 2,482,458, Sept. 20.

Bowman, John, Elyria, Ohio. Billiard cue lock. 2,482,240, Sept. 20.

Boyle, Homer G., Dobbs Ferry, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Cathode-ray projection tube. 2,482,151, Sept. 20.

Brachman, Philip R., and O. C. Sonntag, Chicago, Ill. Treating clubfoot. 2,482,646, Sept. 20.

Bradwell, Robert H., and J. D. Brock, Dalton, assignors, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga. Tufting machine. 2,482,647, Sept. 20.

Bramwyche, Peter L., London, and M. Mugdan, Richmond, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of vinyl ether and its homologues. 2,482,725, Sept. 20.

Brandt, Lewis L., Kansas City, Kans. Fish lure. 2,482,648, Sept. 20.

Bray, Mark W.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.

Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive axle drive mechanism. 2,482,459, Sept. 20.

Breese Burners, Inc., assignee: *See*—
Breese, James L., and Hayter.

Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Burner with integral water-heating device. 2,482,649, Sept. 20.

Breuer Electric Mfg. Company, assignee: *See*—
Lanter, Clarence W.

Brock, John D.: *See*—
Bradwell, Robert H., and Brock.

Brodie, Ralph N., Company, assignee: *See*—
Berck, William F.

Bromley, John, & Sons, Inc., assignee: *See*—
Grundy, James A.

Brown, Morden G., Williamsville, and H. F. Lundberg, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Optical comparison hemoglobinometer having a reflector supporting transverse partition. 2,482,650, Sept. 20.

Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Two-speed propeller drive system. 2,482,460, Sept. 20.

Browne, Kenneth A., Ridgewood, and W. D. Cannon, Hohokus, N. J., assignors to Wright Aeronautical Corporation. Engine cooling system. 2,482,461, Sept. 20.

Browne, Kenneth A., Lakewood, Ohio, assignor to Wright Aeronautical Corporation. Centrifugal compressor construction. 2,482,462, Sept. 20.

Bruegger, Ernest, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y. Making precoiled helical fins. 2,482,241, Sept. 20.

Brustman, Joseph A., Fairfield, Conn., assignor to Remington Rand Inc., New York, N. Y. Code selector. 2,482,242, Sept. 20.

Buckeye Steel Castings Company, The, assignee: *See*—
Orr, Claude L.

Bucknam, James H.: *See*—
Jones, Homer W., and Bucknam.

Bugatti, Ettore, Paris, France. Lubricating means for bearings and spindles or shafts. 2,482,536, Sept. 20.

Bullock, Wayne G., assignor to Eagle Paper Box Company, Tacoma, Wash. Handle for boxes. 2,482,399, Sept. 20.

Burger, Ralph J.: *See*—
Strang, Minor H., and Burger.

Burkhart, Robert E.: *See*—
Purifoy, George R., and Burkhart.

Burn, Philip H., Forest Hills, N. Y. Automatic traffic directing device for garages. 2,482,610, Sept. 20.

Burnham, Clarence W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Injection molding device with self-binding separator. 2,482,243, Sept. 20.

Burt, Clarence E., Pasadena, assignor to Baker Oil Tools, Inc., Vernon, Calif. Well cementing apparatus. 2,482,651, Sept. 20.

Busch Precision Camera Corporation, assignee: *See*—
Little, Alfred E.

Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure control apparatus. 2,482,244, Sept. 20.

Bustamante, Cesar, New York, N. Y. Machine for making and applying ornamental devices. 2,482,537, Sept. 20.

Caesar, Philip D., and P. G. Waldo, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylating thiophene with sulfuric acid catalyst. 2,482,084, Sept. 20.

Call, Elmer A., Euclid, Ohio. Aviation spark plug adjusting tool. 2,482,703, Sept. 20.

Camphouse, John J.: *See*—
Peterson, Eric W., and Camphouse.

Canadian Westinghouse Company, Limited, assignee: *See*—
Vrooman, Charles E.

Cannon, Wayne, D.: *See*—
Browne, Kenneth A., and Cannon.

Capriotti, Pasquale, Smithfield, Pa. Combination ironing table and stepladder. 2,482,652, Sept. 20.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Quattlebaum, William M., Jr.
Quattlebaum, William M., Jr., and Toussaint.

Carlin, Herbert J., East Orange, N. J., and B. V. Hoard, Portland, Oreg., assignors to Westinghouse Electric Corporation. Induction type time-delay relay. 2,482,463, Sept. 20.

Carlson, Noble G., Cleveland Heights, assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Aluminothermic welding. 2,482,093, Sept. 20.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Miller, Earl C.

Carruth, Baxter S., El Paso, Tex. Power-operated cradle. 2,482,318, Sept. 20.

Carter Carburetor Corporation, assignee: *See*—
Dulong, Roger R.
Thome, Leslie K.

Carter, Harry B., Palestine, Tex. Safety razor. 2,482,152, Sept. 20.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Tipping-off burner. 2,482,400, Sept. 20.

Cassé, Marcel, Essonnes, France. Machine for the wet treatment of textile materials or the like. 2,482,319, Sept. 20.

Cavin, Neal, Tulsa, Okla. Saddle stirrup holder. 2,482,153, Sept. 20.

Celanese Corporation of America, assignee: *See*—
Finlayson, Donald, and Crawshaw.

Champagne, John H., Milwaukee, Wis. Combined shaving brush and shaving cream dispenser. 2,482,653, Sept. 20.

Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,482,401, Sept. 20.

Chapman, James E., Los Angeles, assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Inglewood, Calif. Electrical jack and control means. 2,482,464, Sept. 20.

Chapman Valve Manufacturing Co., The, assignee: *See*—
Malcolm, Vincent T.

Charlton, Ralph W., Verona, N. J., and F. X. Bovito, Brooklyn, N. Y., assignors to Congoleum-Nairn Inc. Embossing of composition surfaced coverings. 2,482,154, Sept. 20.

Chavannes Industrial Synthetics, Inc., assignee: *See*—
Chavannes, Marc A., and Sherry.

Chavannes, Marc A., Lisbon, and A. B. Sherry, Hartford, Conn., assignors to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing films bearing designs. 2,482,094, Sept. 20.

Chidester, Gardner H., P. K. Baird, G. E. Mackin, F. A. Simmonds, C. O. Seborg, M. W. Bray, and J. N. McGovern, Madison, Wis.; dedicated to the free use of the people in the territory of the United States. Structural material of compressed resin impregnated paper sheets. 2,482,142, Sept. 20.

Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Dispensing apparatus. 2,482,245, Sept. 20.

Chiomes, Nich, assignee: *See*—
Spartalis, Michael P.

Christensen, Willard L., Moylan, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus. 2,482,095, Sept. 20.

Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation. Alloy and method. 2,482,096, Sept. 20.

Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation. Alloy and method. 2,482,097, Sept. 20.

Clarke, William C., Dundalk, Md., assignor, by mesne assignments, to Armco Steel Corporation. Hardenable iron alloy. 2,482,098, Sept. 20.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Control for cigar machine short filler tobacco feeds. 2,482,465, Sept. 20.

Clements, William E., Ogden, Utah, assignor to General Mills, Inc. Adapter for scale tickets. 2,482,726, Sept. 20.

Clemmer, Harry J., Holden, Wash. Drag scraper construction. 2,482,320, Sept. 20.

Cleven, Olaf L., Washington, D. C., and L. A. Wilson, McLean, Va. Compressor follower for vertical files. 2,482,099, Sept. 20.

Cochran, John K., Conyngham, and J. Pfister, assignors to The Duplan Corporation, Hazleton, Pa. Double-twist twisting device. 2,482,654, Sept. 20.

Cohn, Max, South River, assignor to South River Metal Products Company, Inc., South River County, N. J. Aerial mounting. 2,482,575, Sept. 20.

Colfleah, John W., III, Burbank, Calif. Coaster and tray. 2,482,704, Sept. 20.

Colon, Leroy L., Elmwood Park, Ill. Cribbage board. 2,482,247, Sept. 20.

Commonwealth Company, assignee: *See*—
Rhodehamel, Charles M.

Compagnie Francaise de Raffinage, assignee: *See*—
Antheaume, Jacques A. O.

Comstock, Herbert G., Minneapolis, Minn. Gripping means for landing fish. 2,482,576, Sept. 20.

Cone, Ralph R., assignor to Riverside Mills, Augusta, Ga. Method and apparatus for making rugs. 2,482,655, Sept. 20.

Congoleum-Nairn Inc., assignee: *See*—
Charlton, Ralph W., and Rovito.
Hubert, Fred, Jr., and Kildare.

Conroy, George E.: *See*—
Conroy, Hilma A. M. and G. E.

Conroy, Hilma A. M. and G. E., Ossining, N. Y. Holding and mounting device for electric light sockets. 2,482,656, Sept. 20.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Bets, Paul L.

Continental Motors Corporation, assignee: *See*—
Bachle, Carl F.

Cook, Earle S., Forest Hills, G. T. McClure, McKeesport, and J. W. Rush, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Load compensating fluid pressure brake apparatus. 2,482,246, Sept. 20.

Coon, Charles W., Berkeley, Calif. Motion-picture camera case. 2,482,248, Sept. 20.

Cooper, Leo, Stamford, Conn. Fish lure. 2,482,466, Sept. 20.

Cooper, Nelson D., Cincinnati, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,101, Sept. 20.

Copeland, Paul B., and H. L. Morris, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Core box vent. 2,482,321, Sept. 20.

Corbett, Ray F., Lewisburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phonograph pickup. 2,482,467, Sept. 20.

Corcodilos, James N., Hightstown, N. J. Educational toy blocks. 2,482,402, Sept. 20.

Cortese, Francesco P., Highland Park, Mich. Jacket for feeding bottles. 2,482,322, Sept. 20.

Cotton, Robert B., Lansdowne, Pa., assignor to All American Airways, Inc. Time delay and brake resetting mechanism. 2,482,705, Sept. 20.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Hydraulic mechanism. 2,482,249, Sept. 20.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Power lift. 2,482,657, Sept. 20.

Crandall, Charles B., assignor to Barber-Coleman Company, Rockford, Ill. Loading clamp for warp tying machines. 2,482,157, Sept. 20.

Cranmer, John M., East Providence, R. I., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Drainage system for tanks. 2,482,468, Sept. 20.

Crawshaw, Harry: *See*—
Finlayson, Donald, and Crawshaw.

Cresale Incorporated, assignee: *See*—
Reichenbach, Howard F.

Crocker, Kenneth G.: *See*—
Rively, Clair M., and Crocker.

Crompton & Knowles Loom Works, assignee: *See*—
Peterson, George N.
Turner, Richard G.

Cromwell, Herbert F., Detroit, and G. R. McCool, assignors to Ford Motor Company, Dearborn, Mich. Convertible top construction for motor vehicles. 2,482,323, Sept. 20.

Crosby, George A., Park Ridge, and A. I. Ericsson, assignors to Signode Steel Strapping Company, Chicago, Ill. Staple driving machine. 2,482,156, Sept. 20.

Crot, André, Topanga, Calif. Closable mouth landing net. 2,482,157, Sept. 20.

Crowley, John C., Willoughby, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air bag stem. 2,482,469, Sept. 20.

Culligan, Emmett J., San Bernardino, Calif., assignor to Culligan Zeolite Company, Northbrook, Ill. Apparatus for providing soft water where no water pressure system exists. 2,482,727, Sept. 20.

Culligan Zeolite Company, assignee: *See*—
Culligan, Emmett J.

Culp, Mary J., Cranston, R. I. Educational apparatus. 2,482,658, Sept. 20.

Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,482,158, Sept. 20.

Dachkévitch, Vsevolod, Neuilly-sur-Seine, France. Malaxator. 2,482,324, Sept. 20.

Dahle, Donald E., U. S. Navy. Antidetonant liquid injection apparatus. 2,482,102, Sept. 20.

Dahlstrom, Richard E., assignor to Donaldson Company, Inc., St. Paul, Minn. Rain trap for ventilating exhaust stacks. 2,482,577, Sept. 20.
Dannenberg, Hans: *See*—
Adelson, David E., and Dannenberg.
Daudt, William H.: *See*—
Hyde, James F., and Daudt.
Davidson, Ralph D.: *See*—
Jackson, Joe D., and Davidson.
Davis, James A., Highland Park, and I. Gil, Chicago, Ill., assignors, by mesne assignments, to said Davis, trustee. Automatic phonograph. 2,482,659, Sept. 20.
Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Drive for rotary tables. 2,482,326, Sept. 20.
Davis, Oscar N., Wichita, Kans. Spherical air compressor. 2,482,325, Sept. 20.
Dawson, Milo J., Jackson, Wyo., and H. L. Epperly, Inglewood, Calif. Container for condiments. 2,482,327, Sept. 20.
Day, Harold M.: *See*—
Jayne, David W., Jr., and Day.
Day, Harold M., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Allyl ester of isopropylidene bis p-phenoxyacetic acid. 2,482,706, Sept. 20.
Deems, Delmar L., Blandinsville, and M. H. Welsh, Sciota, Ill. Trip rope safety release. 2,482,538, Sept. 20.
Deere & Company, assignee: *See*—
Court, Frank T.
Defiance Machine Works, Inc., assignee: *See*—
Hall, Keith W.
Kinker, Clarence C.
De Giacomoni, Paul M. J. S.: *See*—
Rossignol, Charles A. P., and De Giacomoni.
De Laval Separator Company, The, assignee: *See*—
Terpening, Arnold I.
Delivuk, Louis, Spokane, Wash. Grain elevator. 2,482,159, Sept. 20.
De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Dyed hydrated oxide coatings on magnesium and magnesium-base alloys. 2,482,728, Sept. 20.
Deming, Frederick G.: *See*—
Valsey, Harold C., and Deming.
D'Entremont, Franklin R., Lynnfield, Mass., assignor to General Electric Company. Electric induction apparatus. 2,482,403, Sept. 20.
Derry, Floyd H., and L. Hammett, Readsville, Mo. Safety device for hydraulic brake systems. 2,482,328, Sept. 20.
Detrick, M. H., Company, assignee: *See*—
Hosbein, Louis H.
Deutemeier, Herbert W., Cincinnati, assignor to The Globe-Wernicke Co., Norwood, Ohio. Center drawer housing for pedestal type desks. 2,482,611, Sept. 20.
De Waard, Russell D., Riverside, and C. R. Stock, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Method of and device for testing crease resistance. 2,482,470, Sept. 20.
Dewey, Charles H. A., Mobile, Ala. Wrist watch band. 2,482,660, Sept. 20.
Diamond Instrument Company, assignee: *See*—
Arringdale, Roger U.
Diebold, Incorporated, assignee: *See*—
Miller, Karl H., and Magaw.
Di Gregorio, Antonio P., U. S. Army, Washington, D. C. Typing reperforator. 2,482,103, Sept. 20.
Dill Manufacturing Company, The, assignee: *See*—
Crowley, John C.
Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for selective vapor coating. 2,482,329, Sept. 20.
Dimmick, Lawrence L., Haddon Heights, N. J., assignor to Radio Corporation of America. Crystal mounting. 2,482,661, Sept. 20.
Discher, Edward W., Milwaukee, Wis. Bowling ball return runway. 2,482,250, Sept. 20.
Distillers Company, Limited, The, assignee: *See*—
Bramwyche, Peter L., and Mugdan.
Ditto, Incorporated, assignee: *See*—
Erickson, Andrew L.
Peterson, Eric W., and Camphouse.
Doggett, Roger H., Natick, and A. R. Johnson, Stoneham, assignors to Arthur D. Little, Inc., Cambridge, Mass. Treatment of wool. 2,482,578, Sept. 20.
Dolian, Frank E., U. S. Army. Inhibited phosphoric acid solution. 2,482,104, Sept. 20.
Domingo, Julian, Baltimore, Md. Disk projectile game apparatus. 2,482,404, Sept. 20.
Donaldson Company, Inc., assignee: *See*—
Dahlstrom, Richard E.
Donogh, Andrew L., Brandon, Manitoba, Canada. Chaff and straw receiver and cocker. 2,482,160, Sept. 20.
Dow Chemical Company, The, assignee: *See*—
De Long, Herbert K.
Dow Corning Corporation, assignee: *See*—
Hyde, James F., and Daudt.
Dowell, Arthur E., III, Washington, D. C., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable coupling device. 2,482,471, Sept. 20.
Downing, Bexford D., and C. D. Prosser, Rock Island, Ill., assignors to International Harvester Company. Detachable power drive connection. 2,482,251, Sept. 20.
Doyle, Irving W.: *See*—
Rattray, George, and Doyle.
Drakenfeld, B. F., & Co., Inc., assignee: *See*—
Andrews, Ray.
Dresnes, John J.: *See*—
McAllister, Alexander J., and Dresnes.
Drott, Edward A. and E. R., Milwaukee, Wis. Shovel loader. 2,482,612, Sept. 20.
Drott, Edward R.: *See*—
Drott, Edward A. and E. R.
Dudsinski, Clarence A., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Core vent. 2,482,330, Sept. 20.
Duggar, Llewellyn G., U. S. Army, Montgomery, Ala. Navigational system. 2,482,105, Sept. 20.
Dulcinaire Industries, Inc., assignee: *See*—
Lenis, Joe A.
Dulong, Roger R., Grosse Pointe Farms, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Governor. 2,482,161, Sept. 20.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Mann, Estle R., and Stanton.
Duncan, George R., Washington, Mo. Milk cooler. 2,482,579, Sept. 20.
Duncan, Robert C., and A. H. Sellman, Washington, D. C. Device for controlling the buoyancy of subfloating bodies. 2,482,106, Sept. 20.
Dunne, Maurice F., Chicago, Ill. Shaft-pulley coupling of the longitudinally split, tapered sleeve type. 2,482,662, Sept. 20.
Dupas, Robert, Clichy, France, assignor to Standard Oil Development Company, New York, N. Y. Composition for increasing the adhesive power of bitumens and tars. 2,482,331, Sept. 20.
Duplan Corporation, The, assignee: *See*—
Cochran, John K., and Pfister.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Edgar, Donald E.
Mighton, Charles J.
Riches, Welsey W.
Sanders, Paul A.
Walker, Herbert W., and Morrow.
Wernlund, Christian J.
Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sulfathiazoles. 2,482,065, Sept. 20.
Daus, William, West Islip, N. Y. Milling machine. 2,482,729, Sept. 20.
Eagle Paper Box Company, assignee: *See*—
Bullock, Wayne G.
Eckert, Adolph F., Milford, assignor to Ford Motor Company, Dearborn, Mich. Fuel pump and distributor drive. 2,482,332, Sept. 20.
Edgar, Donald E., Westport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous compositions and preparing same. 2,482,252, Sept. 20.
Edlund, Uno I. S., Akers Styckebruk, Sweden. Wooden slab for building purposes. 2,482,405, Sept. 20.
Elder, Lewis W.: *See*—
Gregory, James N., and Elder.
Electric Railway Improvement Company, The, assignee: *See*—
Carlson, Noble G.
Enfield Rolling Mills Limited, assignee: *See*—
Sykes, John.
Engberg, Ralph E.: *See*—
Miller, Edward G., and Engberg.
Epperly, Harold L.: *See*—
Dawson, Milo J., and Epperly.
Equitable Life Assurance Society of the United States, The, assignee: *See*—
Gubner, Richard S.
Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Manufacture of unit strip assemblies. 2,482,613, Sept. 20.
Ericsson, Arvid I.: *See*—
Crosby, George A., and Ericsson.
Etten, Nicholas L., Waterloo, Iowa. Washing machine agitator. 2,482,253, Sept. 20.
Eureka Williams Corporation, assignee: *See*—
Hahn, Paul T.
Everston, Joseph H., Milwaukee, Wis. Removable insert for shoes. 2,482,333, Sept. 20.
Fairbanks, Morse & Co., assignee: *See*—
Grutsner, Frits P.
Fairchild Camera and Instrument Corporation, assignee: *See*—
Arnold, George J.
Fairchild, Sherman M.
Rattray, George, and Doyle.
Rotera, Herbert C.
Fairchild, Sherman M., Huntington, N. Y., assignor to Fairchild Camera and Instrument Corporation. Fuel-air ratio control system. 2,482,254, Sept. 20.
Federal Cartridge Corporation, assignee: *See*—
Hoffman, Harry W., and Helmer.
Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Making fired vitreous product. 2,482,580, Sept. 20.

Feldman, Carl B. H., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive microwave antenna. 2,482,162, Sept. 20.
Fellows Gear Shaper Company, The, assignee: *See*—
Burnham, Clarence W.
Feltman, Samuel: *See*—
Studier, Rene R., Feltman, and Balleisen.
Fernald, Ralph A., Millinocket, Maine. Toy. 2,482,334, Sept. 20.
Fetter, Norman C., Freeport, Ill. Cribbage scorekeeper. 2,482,663, Sept. 20.
Findley, Earl V., Bushton, Kans. Cable actuated hoisting mechanism. 2,482,406, Sept. 20.
Finlayson, Donald, and H. Crawshaw, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Making reinforced plastic products. 2,482,164, Sept. 20.
Finnell, Walter S., Elkhart, Ind. Dual-purpose mop having steel and fibrous pads. 2,482,163, Sept. 20.
Firsching, Joseph A., Utica, N. Y. Pile and knife guide for pile cutting machines. 2,482,407, Sept. 20.
Flatford, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Signal generator. 2,482,165, Sept. 20.
Fleitz, Morris F., assignor to Henry Vogt Machine Company, Louisville, Ky. Heat exchanger. 2,482,335, Sept. 20.
Flexible Vacuum Container Corporation, The, assignee: *See*—
Berch, Samuel H.
Flexnit Company, Inc., assignee: *See*—
Spiess, William R.
Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Handle attachment or the like. 2,482,814, Sept. 20.
Florsheim, Leonard S., Jr., Chicago, Ill., assignor to Kabo, Inc. Brassière. 2,482,255, Sept. 20.
Flynn, Edmund K., assignor to Goodall-Sanford, Inc., Sanford, Maine. Composite pile and nap face fabric and making same. 2,482,581, Sept. 20.
Flynn, Floyd W., Bellerose, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal unit. 2,482,730, Sept. 20.
Ford, Frank R., Birmingham, England. Master sheet change mechanism for duplicating machines. 2,482,408, Sept. 20.
Ford Motor Company, assignee: *See*—
Copeland, Paul B., and Morris.
Cromwell, Herbert F., and McCool.
Duosinski, Clarence A.
Eckert, Adolph F.
Hibbard, Thomas L., and Jovanovich.
Stevens, Claud L., and Moody.
Foster, Newton C., McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resinous compositions and use thereof in forming electrical members and laminated products. 2,482,086, Sept. 20.
Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polymerization of styrene and mono-allyl maleate. 2,482,087, Sept. 20.
Foster, Uri D., assignor to The Arrow-Hart & Hegeman Electric Co., Hartford, Conn. Air-operated press. 2,482,539, Sept. 20.
Fowler, Herman J., Chicago, Ill. Automatic signal and reminder. 2,482,615, Sept. 20.
Fowler, James M., La Porte, assignor to W-K-M Company, Inc., Houston, Tex. Through conduit gate valve. 2,482,409, Sept. 20.
Freed, Theodore F., York, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Dough-mixing machine. 2,482,256, Sept. 20.
Freer, Gorham F.: *See*—
Smith, McDonald D., and Freer.
Frei, John, Jr., Chicago, Ill. Investing method. 2,482,257, Sept. 20.
Fried, Jack, New York, N. Y. Bicycle and frame and parts therefor. 2,482,472, Sept. 20.
Fromm, Kenneth N., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding apparatus. 2,482,473, Sept. 20.
Fucik, Karel: *See*—
Rosicky, Jan, and Fucik.
Funk, Ernest R., Jr., and E. H. Black, Galesburg, Ill. Coin holder. 2,482,258, Sept. 20.
Furnas Electric Company, assignee: *See*—
Furnas, William G., and Schumacher.
Koertge, Nobel H., and Rucks.
Furnas, William C., Batavia, and E. B. Schumacher, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Pedal actuated electric switch. 2,482,540, Sept. 20.
Gaetjens, Allen K., Cleveland Heights, Ohio, assignor to General Electric Company. Illuminated dial having polarising elements. 2,482,410, Sept. 20.
Gage, William I., Lakewood, Ohio. Stationary filter type suction cleaner. 2,482,166, Sept. 20.
Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Spectacle mounting having telescopically secured brace arms. 2,482,664, Sept. 20.
Gaines, Earl F., Milwaukee, and W. C. Lippert, Madison, Wis. Window construction. 2,482,707, Sept. 20.
Garrett Corporation, Airesearch Manufacturing Company division, assignee: *See*—
Chapman, James E.
Kas, Robert L.
Geddes, George S., Vandalia, Ill. Micrometric caliper. 2,482,411, Sept. 20.
Geiselman, Ralph A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,482,474, Sept. 20.
General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.
Kassuba, Frank J.
General Electric Company, assignee: *See*—
Carton, Paul O.
D'Entremont, Franklin R.
Gaetjens, Allen K.
Hall, Robert N., Sharbaugh, and Tonks.
Jordan, John P.
Lemmers, Eugene.
Mickle, Edwin R.
Noel, Edward B.
Powers, James H.
Strickland, Royal F.
Van Llempt, Johannes A. M., and Bergmans.
Wells, Robert S.
General Engineering & Manufacturing Company, assignee: *See*—
Gygax, Ernest.
General Mills, Inc., assignee: *See*—
Clements, William E.
General Motors Corporation, assignee: *See*—
Antonidis, John E.
Bayless, Russell E.
Hutchinson, Philip H.
Schneider, Paul L.
Werner, Calvin J.
Gerber, Edward F., Glendale, Calif. Advertising sign and display device with rotary drum. 2,482,475, Sept. 20.
Geyer, William H., Nutley, assignor to Gyco Instruments, Inc., Bloomfield, N. J. Hemispherical heating device. 2,482,665, Sept. 20.
Gernheuser Industries, Inc., assignee: *See*—
Gernheuser, Robert N.
Gernheuser, Robert N., assignor to Gernheuser Industries, Inc., Toledo, Ohio. Hairpin. 2,482,259, Sept. 20.
Gershon, Melvin, assignor to Arrow Manufacturing Company, Kansas City, Mo. Press pad. 2,482,412, Sept. 20.
Gibson, Paul R., Miller, S. Dak. Combined tractor powered dump wagon and elevator. 2,482,413, Sept. 20.
Gil, Irving: *See*—
Davis, James A., and Gil.
Gill, Dean M., Lakewood Village, assignor to H. E. Gillespie, Long Beach, Calif., doing business as Gillespie Games Company. Return playing-surface game apparatus. 2,482,336, Sept. 20.
Gillespie Games Company, assignee: *See*—
Gill, Dean M.
Gillespie, Homer E., assignee: *See*—
Gill, Dean M.
Gillespie, Kenneth B., Tazewell, Va. Water pump seal. 2,482,414, Sept. 20.
Gilmont, Roger, assignor to The Emil Greiner Company, New York, N. Y. Industrial manostat. 2,482,167, Sept. 20.
Girard, Georges, assignor to Magnetos Lucifer S. A., Geneva, Switzerland. Magneto electric generator. 2,482,476, Sept. 20.
Glass Fibers, Inc., assignee: *See*—
Stevens, Charles R.
Globe Oil Tools Company, assignee: *See*—
Goodwin, John S.
Globe-Wernicke Co., The, assignee: *See*—
Deutemeier, Herbert W.
Goddard, Esther C., executrix: *See*—
Goddard, Robert H.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid feeding device. 2,482,260, Sept. 20.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Flow control mechanism for cooling systems. 2,482,261, Sept. 20.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Steam production in jacketed combustion chambers. 2,482,262, Sept. 20.
Godsey, Frank W., Jr., Mount Lebanon, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Electrical torque measuring device. 2,482,477, Sept. 20.
Goette, George W.: *See*—
Yauger, Harland A., and Goette.
Goets, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Telegraph system. 2,482,264, Sept. 20.
Gomeck, James, St. Joseph, Mo., assignor to Swift & Company, Chicago, Ill. Manufacturing of natural casings. 2,482,731, Sept. 20.

Gonda, Desirć, Sittingbourne, England. Glazed synthetic resin structure. 2,482,265, Sept. 20.

Goodall-Sanford, Inc., assignee: *See*—
Flynn, Edmund K.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.
Jenkins, William L.
Sarbach, Donald V.

Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Roller bit. 2,482,263, Sept. 20.

Gordinier, Ralph E., assignor to Special Engineering Service, Incorporated, Detroit, Mich. Plunger actuated hold-down clamp. 2,482,708, Sept. 20.

Goshorn, Robert R., assignor to Automatic Electrical Devices Company, Cincinnati, Ohio. Back panel for flasher castings or the like. 2,482,266, Sept. 20.

Gozlow, Frank J.: *See*—
Hersberger, Arthur B., and Gozlow.

Gracey, William R., Jr., assignor to The Union Switch & Signal Company, Swissvale, Pa. Detector bar switch lock. 2,482,267, Sept. 20.

Gradisar, Albin A., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Adjustable film strip and picture projecting device. 2,482,666, Sept. 20.

Grafe, William H., assignor to Skilsaw, Inc., Chicago, Ill. Portable tool. 2,482,582, Sept. 20.

Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Tone unit. 2,482,478, Sept. 20.

Gray, Daniel, Sherrill, assignor to Oneida Ltd., Oneida, N. Y. Buffing compositions. 2,482,667, Sept. 20.

Graycarek, Benjamin J., assignor of one-half to G. W. Noll, Manitowoc, Wis. Electric heater. 2,482,268, Sept. 20.

Green, Lee B., Lakewood, Ohio. Tangent bending apparatus with work holding dies. 2,482,617, Sept. 20.

Greenberg, Charles B., assignor to Algren Watch Findings Co., Inc., New York, N. Y. Waterproof watch crown. 2,482,583, Sept. 20.

Gregory, James N., La Habra, and L. W. Elder, Long Beach, assignors to Shell Development Company, San Francisco, Calif. Installation for well control equipment. 2,482,616, Sept. 20.

Greiner, Emil, Company, The, assignee: *See*—
Gilmont, Roger.

Greist Manufacturing Company, The, assignee: *See*—
Almquist, Nils T.

Grimes, George J., Kankakee, Ill., assignor to Frederic B. Stevens, Inc., Detroit, Mich. Tilting workpiece support, especially for use with processing equipment for containers. 2,482,269, Sept. 20.

Griscom-Russell Company, The, assignee: *See*—
Bruegger, Ernest.

Grob & Co., Aktiengesellschaft, assignee: *See*—
Blickenstorfer, Albert.

Grundy, James A., assignor to John Bromley & Sons, Inc., Philadelphia, Pa. Tentering machine. 2,482,270, Sept. 20.

Grutzner, Frits P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Vehicle truck and body interlock. 2,482,168, Sept. 20.

Gubner, Richard S., Brooklyn, assignor to The Equitable Life Assurance Society of the United States, New York, N. Y. Acyl derivatives of diaminodiphenylsulfone and preparation thereof. 2,482,169, Sept. 20.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gunnison, Foster, New Albany, Ind., assignor to Gunnison Homes, Incorporated. Window sill construction. 2,482,170, Sept. 20.

Gunnison Homes, Incorporated, assignee: *See*—
Gunnison, Foster.

Gyco Instruments, Inc., assignee: *See*—
Geyer, William H.

Gygax, Ernest, assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Flow control device for refrigeration apparatus. 2,482,171, Sept. 20.

H-P-M Development Corporation, assignee: *See*—
Hubbert, Leslie S., and Miller.

Hackethorn, Earl J., Kansas City, Mo. Manually operable focusing device for cameras. 2,482,107, Sept. 20.

Haddock, Norman H., and C. Wood, Manchester, England, assignors to Imperial Chemical Industries Limited. Preparing phthalocyanines containing ternary sulfonium salt groups. 2,482,172, Sept. 20.

Hageman, Louis F., Lewiston, assignor to Moore Business Forms, Inc., Niagara Falls, N. Y. Paper feed for writing machines. 2,482,108, Sept. 20.

Hagstrum, Homer D., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test circuit. 2,482,173, Sept. 20.

Hahn, Paul T., Detroit, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner converter arrangement. 2,482,337, Sept. 20.

Hake, Elmer C., Covington, Ky., assignor to Snap-On Drawer Co., Morrow, Ohio. Sectional cabinet structure. 2,482,174, Sept. 20.

Hall, Catherine M.: *See*—
Boatner, Charlotte H., Hall, and Merrifield.

Hall, Keith W., Toledo, assignor to Defiance Machine Works, Inc., Defiance, Ohio. Molding press. 2,482,338, Sept. 20.

Hall, Robert N., A. H. Sharbaugh, and L. Tonks, Schenectady, N. Y., assignors to General Electric Company. High-frequency electrical apparatus. 2,482,541, Sept. 20.

Hall, Stanley R., Burbank, Calif. Domestic doughnut machine. 2,482,668, Sept. 20.

Halter, Allan C.: *See*—
Volgovskoy, Boris, and Halter.

Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Printing arrangement for merchandising control systems. 2,482,271, Sept. 20.

Hamilton, Arthur S., Jr., Greece, N. Y. Detachable pipe coupling. 2,482,175, Sept. 20.

Hamilton, Burton C., Brookline, Mass. Photographic accessory. 2,482,479, Sept. 20.

Hamister, Victor C., Lakewood, Ohio, assignor to National Carbon Company, Inc. Electrode connecting pin. 2,482,176, Sept. 20.

Hammett, Leo: *See*—
Derry, Floyd H., and Hammett.

Hanrahan, Emery M., Kenosha, and W. A. Mertins, Racine, Wis. Tape printing machine. 2,482,542, Sept. 20.

Haracz, Edward F., Clifton, N. J., assignor to Wright Aeronautical Corporation. Optical projection system for projecting tool and cutter profiles. 2,482,480, Sept. 20.

Harbison, Lawrence E., Globe, Ariz. Padlock. 2,482,177, Sept. 20.

Hard, Herbert G., Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Device for preventing cinder eruptions from blast furnaces. 2,482,709, Sept. 20.

Harder, Edwin L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulator system. 2,482,481, Sept. 20.

Harder, Edwin L., and H. M. Rustebakke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,482, Sept. 20.

Harding, Glen F., Ogden, Utah. Instrument having photoelectric cell and recording means for making eye measurements. 2,482,669, Sept. 20.

Harris, Carl C., assignor to The Slencil Co., Orange, Mass. Eraser for pencils. 2,482,273, Sept. 20.

Harris, Robert A., Oak Park, and C. C. Patton, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Composite structure for forming a seal with glass. 2,482,178, Sept. 20.

Harris, Sidney R., and G. Ashman, New York, N. Y. Bracelet. 2,482,584, Sept. 20.

Harris, Walter R., Wilkinsburg, and C. F. Wagner, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,482,483, Sept. 20.

Harrison, Meyer: *See*—
Korman, Samuel, and Harrison.

Harrison, William H., Los Angeles, Calif. Continuous motion photographic apparatus. 2,482,179, Sept. 20.

Harrison, William T., Denver, Colo. Slip handling apparatus. 2,482;109, Sept. 20.

Harstick, William H., Oak Park, and O. E. Hints, Jr., Chicago, Ill., assignors to International Harvester Company. Centrifugal separator with movably supported supply can therefor. 2,482,272, Sept. 20.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Kerkhof, Frederik.

Hasler, John F.: *See*—
Quales, Lloyd L., and Hasler.

Hauptman, Gerhard G., New York, N. Y. Combination bicycle and baby carriage. 2,482,585, Sept. 20.

Hayter, Bruce: *See*—
Breese, James L., and Hayter.

Heard, Reginald, Milwaukee, Wis. Food grating and shredding device. 2,482,180, Sept. 20.

Heiman, Louis P., near Minneapolis, Minn. Pencil sharpener. 2,482,183, Sept. 20.

Heinz, Walter E.: *See*—
Schiermeier, Knapel F., and Heins.

Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.

Henderson, Kenneth L., Rochester, N. Y., assignor to Stromberg-Carlson Company. Tuning mechanism. 2,482,181, Sept. 20.

Henninger, Cecelia L., St. Louis, Mo. Protective garment. 2,482,182, Sept. 20.

Herzberger, Arthur B., Drexel Hill, and F. J. Goslow, assignors to The Atlantic Refining Co., Philadelphia, Pa. Mineral aggregate bonding compositions. 2,482,586, Sept. 20.

Hewitt, Ellis E., Edgewood, and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,482,274, Sept. 20.

Hibbard, Thomas L., Birmingham, and M. Jovanovich, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Plastic panel with mounting means. 2,482,339, Sept. 20.

Hickok Manufacturing Company, Inc., assignee: *See*—
Valsey, Harold C., and Deming.

Highsaw, Benjamin C.: *See*—
Hilton, Ray G., and Highsaw.

Hill, Bernard E., Jacksonville, Fla. Power transmission mechanism. 2,482,110, Sept. 20.

Hilton, Ray G., Austin, and B. C. Highsaw, Beaumont, Tex. Pin-geared knuckle. 2,482,415, Sept. 20.

Hints, Otto E., Jr.: *See*—
Harstick, William H., and Hints, Jr.

Hoard, Bert V.: *See*—
Carlin, Herbert J., and Hoard.

Hobbs, Lindsey M.: *See*—
Weaver, Welcome L., and Hobbs.

Hoe, R., & Co., Inc., assignee: *See*—
Huck, William F.

Hoffman, Harry W., Anoka, and G. H. Helmer, St. Louis Park, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Chronographic apparatus and method. 2,482,184, Sept. 20.

Holland, Elijah A., Brooks Field, Tex. Cigarette and pipe lighter. 2,482,416, Sept. 20.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Electrohydraulic brake. 2,482,732, Sept. 20.

Holmsten, Neil O., New Rochelle, N. Y. Window latch guard. 2,482,340, Sept. 20.

Holmsten, Neil O., New Rochelle, N. Y. Slide bolt lock. 2,482,341, Sept. 20.

Hornbarger, Earl H., Edgewood, and W. Schaelchlin, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable voltage control for ship propulsion. 2,482,484, Sept. 20.

Horsley, Caperton B., Stamford, assignor to Machlett Laboratories, Inc., Springdale, Conn. Electrical discharge device. 2,482,275, Sept. 20.

Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Lining for vessels, etc. 2,482,618, Sept. 20.

Howard, Edgar R.: *See*—
Blanton, Albert, and O. H. and E. R. Howard.

Howard, Oscar H.: *See*—
Blanton, Albert, and O. H. and E. R. Howard.

Howe, Alfred H., New York, N. Y. Piano keyboard and soft pedal action. 2,482,619, Sept. 20.

Hubbert, Leslie S., and H. J. Miller, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Molding apparatus. 2,482,342, Sept. 20.

Hubert, Fred, Jr., Essex County, and V. A. Kildare, Bergen County, N. J., assignors to Congoleum-Nairn Inc. Floor covering and composition material therefor. 2,482,185, Sept. 20.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., Bronx, N. Y. Routing machine. 2,482,620, Sept. 20.

Huff, Glenn L., San Diego, Calif. Rug stretcher. 2,482,186, Sept. 20.

Hughes, Dewey C., Murphy, N. C., assignor of two-thirds to H. Yeager, Stockton, Calif. Egg beater. 2,482,587, Sept. 20.

Hutchinson, Philip H., Montclair, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,482,485, Sept. 20.

Hyde, James F., and W. H. Daudt, Corning, N. Y., assignors to Dow Corning Corporation, Midland, Mich. Preparation of thermoplastic polysiloxanes. 2,482,276, Sept. 20.

Imbrescl, Santo, Chicago, Ill. Coke tree preventing guard for boilers and furnaces. 2,482,417, Sept. 20.

Imbriani, Louis, assignor to F. Speier, doing business as Knitcraft Mills, Corona, N. Y. Air cleaner for flat knitting machines. 2,482,670, Sept. 20.

Imperial Chemical Industries Limited, assignee: *See*—
Haddock, Norman H., and Wood.

Ingersoll-Rand Company, assignee: *See*—
Weaver, Samuel H.

Ingleton, James W., Astoria, Oreg. Slip fishline sinker. 2,482,343, Sept. 20.

Injector Company Aktiebolag, assignee: *See*—
Johansson, Martin L.

Institute of Paper Chemistry, The, assignee: *See*—
Pearl, Irwin A., and Wise.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Schlechten, Albert W., Kroll, and Yerkes.

International Cigar Machinery Company, assignee: *See*—
Clausen, Sigurd.

International Harvester Company, assignee: *See*—
Downing, Rexford D., and Prosser.
Harstick, William H., and Hints, Jr.
Mott, Carl W.

Irish, Russell L., Pittsburgh, Pa. Electrolytic dental cleansing apparatus. 2,482,486, Sept. 20.

Irving Air Chute Company, Inc., assignee: *See*—
Rogers, Harold G., and Kajdan.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., [illegible]. The tamping or ballasting machine, [illegible]. 2,482,190.

[illegible] and B. F. Davidson, Hanover, Pa., assignors to [illegible] Company, Baltimore, [illegible]. 2,482,543, Sept. 20.

Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.

Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse code operated electronic range indicator. 2,482,544, Sept. 20.

Jauss, Carlos L., New York, N. Y. Electric arc discharge circuits for illuminating devices. 2,482,277, Sept. 20.

Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Reacting dicyandiamide and aniline. 2,482,710, Sept. 20.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lemmon, Alexis W., and Strawn.

Jenkins, William L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing hollow articles of rubbery materials. 2,482,418, Sept. 20.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. End-labeling attachment. 2,482,711, Sept. 20.

Jerrells, George W., Seattle, Wash. Scraper sharpener. 2,482,419, Sept. 20.

Jock, Fred H.: *See*—
Peterson, Harold R., and Jock.

Johansson, Martin L., Enskede, assignor to Injector Company Aktieboiag, Stockholm, Sweden. Fuel injection pump. 2,482,733, Sept. 20.

Johnson, Alfred R.: *See*—
Bogrown, Alexander, and Johnson.
Doggett, Roger H., and Johnson.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Producing hydrogen-carbon monoxide gas mixtures. 2,482,187, Sept. 20.

Johnson, Frederick O., Chicago, Ill. Control device. 2,482,487, Sept. 20.

Johnson, Howard W., Seattle, Wash. Carrier shift keyer. 2,482,112, Sept. 20.

Johnson, Matthey & Company Limited, assignee: *See*—
Kerridge, Frank E.

Johnston, James A., Los Angeles, Calif. Fire alarm. 2,482,113, Sept. 20.

Jones, Dwight E., assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Beater roll. 2,482,712, Sept. 20.

Jones, E. D., & Sons Company, assignee: *See*—
Jones, Dwight E.

Jones, Homer W., Westfield, and J. H. Bucknam, Cranford, N. J., assignors to Union Carbide and Carbon Corporation. Method of and apparatus for cutting metal. 2,482,188, Sept. 20.

Jones, James J., Hialeah, Fla. Photofinish camera and recording system. 2,482,621, Sept. 20.

Jones, Walter, Teaneck, assignor, by mesne assignments, to Bergen Engineering and Sales Corporation, Hackensack, N. J. Rotary internal gear pump. 2,482,713, Sept. 20.

Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency heating apparatus. 2,482,545, Sept. 20.

Jovanovich, Milton: *See*—
Hibbard, Thomas L., and Jovanovich.

Joy Manufacturing Company, assignee: *See*—
Lamberton, Ralph E.

Julien, Maurice F. A., Toulouse, France. Springs, joints, and the like. 2,482,488, Sept. 20.

Justrite Manufacturing Company, assignee: *See*—
Packer, Charles S., and Olsen.

Kaas, Robert L., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Sealer tube mechanism with vibrating tool. 2,482,490, Sept. 20.

Kabo, Inc., assignee: *See*—
Florsheim, Leonard S., Jr.

Kahn, Edward, Queens Village, N. Y. Self-retaining uterine cannula. 2,482,622, Sept. 20.

Kaiser, Francis D., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Interwound coil. 2,482,489, Sept. 20.

Kajdan, Chester C.: *See*—
Rogers, Harold G., and Kajdan.

Kaminer, Bernard H., Brooklyn, N. Y. Key case. 2,482,623, Sept. 20.

Kazuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Phenoxyalkylamines as accelerators for photographic developers. 2,482,546, Sept. 20.

Keller, George H.: *See*—
Young, Raymond W., and Keller.

Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.

Kennedy, Richard O., New York, N. Y. French cuff. 2,482,671, Sept. 20.

Kent, Russell R., Superior, Wis. Metal sanding block. 2,482,344, Sept. 20.

Kerkhof, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric piano. 2,482,548, Sept. 20.

Kerridge, Frank E., assignor to Johnson, Matthey & Company Limited, London, England. Production of designs on nonmetallic heat-resisting bases. 2,482,547, Sept. 20.

Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Control mechanism for laundry marking machines. 2,482,420, Sept. 20.

Keystone Driller Company, assignee: *See*—
Labounsky, Nicholas N.

Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Adduct of butadiene sulfone and bromotrichloromethane and partial dehalogenation thereof. 2,482,088, Sept. 20.

Kiel, Julius H., Wilmette, Ill. Recording and projecting apparatus. 2,482,672, Sept. 20.

Kildare, Vernon A.: *See*—
Hubert, Fred, Jr., and Kildare.

Kilgore, Lee A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor. 2,482,491, Sept. 20.

Killman, Robert T., and F. W. Beesley, Nashville, Tenn. Method of and apparatus for receiving radio signals. 2,482,540, Sept. 20.

Kimball, Albert W.: *See*—
Watson, Earl C., and Kimball.

Kincaid, Walter C., Pueblo, Colo. Apparatus for cleaning drains, pipes, conduits, and the like. 2,482,345, Sept. 20.

King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,482,492, Sept. 20.

King, Louis A., Haddonfield, N. J., assignor to Radio Corporation of America. Oscillation generator control circuit. 2,482,493, Sept. 20.

Kinker, Clarence C., assignor to Defiance Machine Works, Inc., Defiance, Ohio. Pressure release mechanism. 2,482,346, Sept. 20.

Kjellman, Walter, Stockholm, Sweden. Drainage system. 2,482,673, Sept. 20.

Knitcraft Mills: *See*—
Imbriani, Louis.

Knochel, William J., and J. J. Aakjer, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making glass-metal seals. 2,482,494, Sept. 20.

Knox, Willard D., assignee: *See*—
Ravers, Jerry J., Jr.

Koerner, William E., St. Louis, Mo. Vase. 2,482,278, Sept. 20.

Koertge, Nobel H., Glen Ellyn, and E. L. Rucks, Aurora, assignors to Furnas Electric Company, Batavia, Ill. Foot actuated rotary switch. 2,482,550, Sept. 20.

Konen, Arne E., and S. K. Warner, Hartford, Conn. Safety match packet. 2,482,189, Sept. 20.

Koolvent Metal Awning Corporation of America, assignee: *See*—
Korman, Samuel, and Harrison.

Korman, Samuel, and M. Harrison, assignor to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa. Metal building. 2,482,624, Sept. 20.

Korsgren, Theodore Y., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Combination igniter and flame detector. 2,482,551, Sept. 20.

Korsgren, Theodore Y., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Gas burning space heater. 2,482,552, Sept. 20.

Kramer, Herman J., Cleveland, Ohio, assignor of one-half to E. J. Reardon. Finger hole insert for bowling balls. 2,482,190, Sept. 20.

Kriegel, Bernard, Los Angeles, assignor to Baker Oil Tools, Inc., Vernon, Calif. Casing cutter apparatus. 2,482,674, Sept. 20.

Kroll, William J.: *See*—
Schlechten, Albert W., Kroll, and Yerkes.

Kunkel, Gustave D., Bridgeport, Conn. Safety clothespin. 2,482,625, Sept. 20.

Labounsky, Nicholas N., now by judicial change of name N. N. Nixon, assignor to Keystone Driller Company, Beaver Falls, Pa. Shock absorber for cable tool drilling machines. 2,482,114, Sept. 20.

Laidig, Alfred H., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetron. 2,482,495, Sept. 20.

Laird, Joseph P., Jr., United States Navy. Optical projector and system. 2,482,115, Sept. 20.

Lamb, Pearl W., Vesper, Wis. Poultry feeder. 2,482,675, Sept. 20.

Lamberton, Ralph R., Worthington, Ohio, assignor to Joy Manufacturing Company. Compressor. 2,482,626, Sept. 20.

Lanahan, Charles R., Hot Springs, Ark. Tongue depressor. 2,482,116, Sept. 20.

Lancaster, Arthur W., assignor to E. Long Limited, Orillia, Ontario, Canada. Dumping car. 2,482,347, Sept. 20.

Land, Herbert R., Van Nuys, Calif. Folding handle for screw drivers or the like. 2,482,348, Sept. 20.

Lang, Harry, St. Paul, Minn. Overalls. 2,482,349, Sept. 20.

Langston, Bryant W., Woodberry, N. J., assignor to S. M. Langstom Co. Machine for making corrugated paper. 2,482,627, Sept. 20.

Langston, Samuel M., Co., assignee: *See*—
Langston, Bryant W.

Lanter, Clarence W., Bartlett, assignor to Breuer Electric Mfg. Company, Chicago, Ill. Handle switch housing. 2,482,676, Sept. 20.

Larson, Arthur G.: *See*—
Hewitt, Ellis E., and Larson.
Stevens, Roy R., and Larson.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can tester valve mechanism. 2,482,677, Sept. 20.

Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can bodymaker side seam flattening apparatus. 2,482,678, Sept. 20.

Leas, Vernon E., Minneapolis, Minn. Slide shifter for projectors. 2,482,117, Sept. 20.

Leedy, Charles B., assignee: *See*—
Moore, Wilson K.

Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Flat tube electrical device. 2,482,421, Sept. 20.

Lemmon, Alexis W., Upper Arlington, and O. R. Strawn, Columbus, Ohio, assignors, by mesne assignments, to The Jeffrey Manufacturing Company. Reversible crusher with pivotally adjustable chute and breaker plates. 2,482,279, Sept. 20.

Lenis, Joe A., assignor to Dulcinaire Industries, Inc., Reno, Nev. Thimble screw driver set. 2,482,350, Sept. 20.

Lerma, Stephen, Flushing, N. Y. Shock cushioning pneumatic press. 2,482,280, Sept. 20.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Voltage regulator. 2,482,588, Sept. 20.

Leventhal Patents, Inc., assignee: *See*—
McGinty, Luther W.

Lewis, Richard W., assignee: *See*—
Spreen, Charles C.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Weaver, Welcome I., and Hobbs.

Linde Air Products Company, The, assignee: *See*—
Potts, Lawrence D.

Line, Henry, Carlisle, Pa. Watch movement beat adjusting device. 2,482,351, Sept. 20.

Lingel, Frederick J., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Exposure meter having adjustable interconnected photocell shutter and pointer biasing means. 2,482,281, Sept. 20.

Lippert, Walter C.: *See*—
Gaines, Earl F., and Lippert.

Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Parallax compensating view finder for cameras. 2,482,628, Sept. 20.

Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Cam operated locking means for camera focusing mechanisms. 2,482,629, Sept. 20.

Little, Arthur D., Inc., assignee: *See*—
Bogrown, Alexander, and Johnson.
Doggett, Roger H., and Johnson.
Marek, Leroy F., and Bogrow.

Litton, Felix B., assignor to Bendix Aviation Corporation, Detroit, Mich. Spiue for centrifugal molds. 2,482,352, Sept. 20.

Lockheed Aircraft Corporation, assignee; *See*—
Webster, David A.

Loelkes, George L., Maplewood, assignor to Blackmer and Post Pipe Company, St. Louis, Mo. Septic tank. 2,482,353, Sept. 20.

Loew, Elliott E., Jamaica, N. Y. Key holder. 2,482,422, Sept. 20.

Long, E., Limited, assignee: *See*—
Lancaster, Arthur W.

Lull, Stanley E.: *See*—
McKenzie, Ronald J., Scholes, and Lull.

Lummus Company, The, assignee: *See*—
Schutte, August H.

Lundberg, Harry F.: *See*—
Brown, Morden G., and Lundberg.

Lux, Christian, Sanish, N. Dak. Fire grate. 2,482,191, Sept. 20.

MacDonald, Ray A., North Plainfield, N. J. Hand saddle. 2,482,192, Sept. 20.

Machlett Laboratories, Inc., assignee: *See*—
Horsley, Caperton B.

Mackin, George E.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray and McGovern.

Magaw, Ronald R.: *See*—
Miller, Karl H., and Magaw.

Magnetos, Lucifer S. A., assignee: *See*—
Girard, Georges.

Maguire, William T., Larchmont, N. Y. Implement holder. 2,482,589, Sept. 20.

Malcolm, Vincent T., assignor to The Chapman Valve Manufacturing Co., Springfield, Mass. Copper base alloy. 2,482,423, Sept. 20.

Malmquist, Oscar V., Minneapolis, Minn. Cam operated pliers. 2,482,193, Sept. 20.

Mann, Estle R., Upper Montclair, and S. W. Stanton, Glen Ridge, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Ballistoscope. 2,482,194, Sept. 20.

Marck, Leroy F., Lexington, and A. Bogrow, Brighton, assignors to A. D. Little, Inc., Cambridge, Mass. Reduction of viscosity of molten sulfur by means of phenolic compounds. 2,482,590, Sept. 20.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus B.

Marshall Field & Company, assignee: *See*—
Medbery, Edward W.

Martin, Bradford, Washington, Pa. Line fastener and tightener. 2,482,282, Sept. 20.

Martin, Theodore, Sunnyside, N. Y. Spectacle frame. 2,482,195, Sept. 20.

Marye, Robert B., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Resistance measuring apparatus. 2,482,196, Sept. 20.

Mastromarino, Vincent, New York, N. Y. Automobile curb guide. 2,482,630, Sept. 20.

Matthews, Robert J., Hasbrouck Heights, N. J. Paper cutter. 2,482,118, Sept. 20.

Max, Abraham M., and C. M. Vance, Indianapolis, Ind., assignors to Radio Corporation of America. Copper plating solution. 2,482,354, Sept. 20.

McAllister, Alexander J., and J. J. Dresnes, assignors to United Specialties Company, Chicago, Ill. Air cleaner. 2,482,679, Sept. 20.

McBride, John W., Burbank, Calif. Collector. 2,482,355, Sept. 20.

McClure, Glenn T.: *See*—
Cook, Earle S., McClure, and Rush.

McConnell, Taylor, Monte Vista, Colo. Navigation instrument. 2,482,424, Sept. 20.

McCool, Guy R.: *See*—
Cromwell, Herbert F., and McCool.

McCray Refrigerator Company, assignee: *See*—
Strang, Minor H., and Burger.

McCready, Charles T., Onley, Va. Vine turner. 2,482,356, Sept. 20.

McDonald, George W.: *See*—
Scott, Everette C., and McDonald.

McGarry, John T.; M. F. McGarry, executrix of said J. T. McGarry, deceased, assignor to Railroad Products Company, Cincinnati, Ohio. Water service apparatus. 2,482,283, Sept. 20.

McGarry, Mary F., executrix: *See*—
McGarry, John T.

McGillivray, Archie, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sequential control for electric motors. 2,482,496, Sept. 20.

McGinty, Luther W., assignor to Leventhal Patents, Inc., Chattanooga, Tenn. Motion-picture apparatus of the optical compensating type. 2,482,197, Sept. 20.

McGovern, John N.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.

McKenzie, Ronald J., and A. B. Scholes, Danvers, and S. E. Lull, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for annealing composite glass articles. 2,482,734, Sept. 20.

McKune, Clifford A., San Francisco, Calif. Device for assembling letter sheets and the like. 2,482,357, Sept. 20.

McNamara, Francis C., Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation. Wool press. 2,482,680, Sept. 20.

McNamara, Francis C., Wentworthville, near Sydney, New South Wales, Australia, assignor to Sunbeam Corporation. Wool press. 2,482,681, Sept. 20.

Medbery, Edward W., Arlington Heights, assignor to Marshall Field & Company, Chicago, Ill. Lubricating means for comb bars and bobbin shuttles for lace looms. 2,482,425, Sept. 20.

Meighan, William A., Portland, Oreg. Arch fitting. 2,482,426, Sept. 20.

Melhorn, Carl E., Springfield, assignor to Package Machinery Company, East Longmeadow, Mass. Group arranging conveyor mechanism. 2,482,427, Sept. 20.

Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve structure. 2,482,198, Sept. 20.

Mell-Hoffmann Mfg. Co., assignee: *See*—
Mell, William E.

Mell, William E., assignor to Mell-Hoffmann Mfg. Co., Chicago, Ill. Paper dispenser. 2,482,714, Sept. 20.

Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Van Campen, Jr.

Merrifield, Arthur L.: *See*—
Boatner, Charlotte H., Hall, and Merrifield.

Mertins, William A.: *See*—
Hanrahan, Emery M., and Mertins.

Meyerhoff, Arthur, Brooklyn, N. Y. Determining thermodynamic properties of fluids. 2,482,591, Sept. 20.

Michael, Vesta F., and J. A. Phinney, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Production of oxygenated compounds and liquid hydrocarbons from hydrocarbon gases. 2,482,284, Sept. 20.

Mickle, Edwin R., Schenectady, N. Y., assignor to General Electric Company. Electronic relay. 2,482,553, Sept. 20.

Mickley, Erich, Berlin-Zehlendorf, Germany; vested in the Attorney General of the United States. Making stems for electric lamps. 2,482,119, Sept. 20.

Mighton, Charles J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diolefin-styrene-alkenylethynylcarbinol tripolymers. 2,482,285, Sept. 20.

Miller, Albert E., Dayton, Ohio. Magnetic brake. 2,482,428, Sept. 20.

Miller, Earl C., McKeesport, Pa., assignor to Carnegie-Illinois Steel Corporation. Tuyère shield. 2,482,715, Sept. 20.

Miller, Edward G., and R. E. Engberg, Clayton, assignors to Alco Valve Company, St. Louis, Mo. Motor operated valve. 2,482,199, Sept. 20.

Miller, Fred T., Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., Wilmington, Del. Cloth feed control. 2,482,497, Sept. 20.

Miller, George, Pawtucket, R. I. Moisturiser for carburetors. 2,482,200, Sept. 20.

Miller, Harold J.: *See*—
Hubbert, Leslie S., and Miller.

Miller, Karl H., North Canton, and R. R. Magaw, assignors to Diebold, Incorporated, Canton, Ohio. Metal door construction. 2,482,592, Sept. 20.

Millspaugh, Cedric E., Westlake, Ohio, assignor to Union-National, Inc., Jamestown, N. Y. Extension table. 2,482,358, Sept. 20.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wilson, John M.

Mishkinis, Frank, Westwood, Calif. Grip on golf clubs. 2,482,120, Sept. 20.

Missouri Automatic Control Corporation, assignee: *See*—
Pratt, Ryder.
Yeida, John O.

Mobbs, Herbert, Church Brampton, near Northampton, and G. H. Smith, Slough, England. Sliding roof for vehicles. 2,482,429, Sept. 20.

Molloy, James F., Oakland, Calif. Sanitary plumbing. 2,482,359, Sept. 20.

Monsanto Chemical Company, assignee: *See*—
Dvornikoff, Michael N.
Rider, Stuart H.

Montclair Research Corporation, assignee: *See*—
Rust, John B.

Moody, Clifford J.: *See*—
Stevens, Claud L., and Moody.

Moore Business Forms, Inc., assignee: *See*—
Hageman, Louis F.

Moore, William N., Tilton, assignor, by mesne assignments, to Russell-Lacey Manufacturing Company, Incorporated, Fairmount, Ga. Pile fabric. 2,482,682, Sept. 20.

Moore, William N., Tilton, assignor to Russell-Lacey Manufacturing Company, Incorporated. Forming pile fabric. 2,482,683, Sept. 20.

Moore, Wilson K., San Diego, assignor of forty-nine per cent to C. B. Leedy, National City, Calif. Straight edge device for determining angles between cylinders and the like. 2,482,360, Sept. 20.

Morley, Frank W.: *See*—
Ritter, Irving S., and Morley.

Morris, Harry L.: *See*—
Copeland, Paul B., and Morris.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Ethers of polyalkylated cyclic sulfones. 2,482,631, Sept. 20.

Morrow, Raymond W.: *See*—
Walker, Herbert W., and Morrow.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dump grate mechanism. 2,482,632, Sept. 20.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted material scoop. 2,482,286, Sept. 20.

Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Solutions of tetraalkylsilicates. 2,482,684, Sept. 20.

Moyer, C. L., Company, assignee: *See*—
Moyer, Charles L.

Moyer, Charles L., assignor to C. L. Moyer Company, Chicago, Ill. Three-knife trimming machine. 2,482,685, Sept. 20.

Mueller Co., assignee: *See*—
Mueller, Frank H., and Smith.
Mueller, Lucien W.
Smith, McDonald D., and Freer.

Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Service T. 2,482,687, Sept. 20.

Mueller, Lucien W., assignor to Mueller Co., Decatur, Ill. Meter stop. 2,482,686, Sept. 20.

Mugdan, Martin: *See*—
Bramwyche, Peter L., and Mugdan.

Mulquin, William R., Dundalk, Md., assignor to Bethlehem Steel Company. Sheet movement responsive counting device. 2,482,201, Sept. 20.

Musal, Robert, Maple Heights, Ohio. Magnetic compass mounting. 2,482,688, Sept. 20.

Nagel, Frits J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phenol-amine-formaldehyde resin. 2,482,498, Sept. 20.

Nagel, Frits J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Laminates embodying mixed phenol-arylamine-formaldehyde resinous products. 2,482,499, Sept. 20.

Nagy, Rudolph: *See*—
Rentschler, Harvey C., and Nagy.
Napier, D., & Son Limited, assignee: *See*—
Sammons, Herbert.
Nathan, Emanuel, Maplewood, N. J. Spectacle case and making same. 2,482,500, Sept. 20.
National Carbon Company, Inc., assignee: *See*—
Hamister, Victor C.
National Marking Machine Company, The, assignee: *See*—
Keuper, William J.
Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Watt, Bob E.
Nelson, Carl I., Everett, Wash. Sled. 2,482,554, Sept. 20.
Nestle, Robert F.: *See*—
Schultz, Oswald R., Nestle, and Romano.
New Products Corporation, assignee: *See*—
Banker, Oscar H.
Nichols, L. O., assignee: *See*—
Nichols, Stephen G.
Nichols, Stephen G., Winchester, assignor to L. O. Nichols, Newton, Mass. Sharpening unit. 2,482,633, Sept. 20.
Niles-Bement-Pond Company, assignee: *See*—
Barr, John M.
Chandler, Milton E.
Nixon, Nicholas N.: *See*—
Labounsky, Nicholas N.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Photographic lighting unit. 2,482,430, Sept. 20.
Noelcke, Edward A., St. Petersburg, Fla. Snag puller and tackle saver. 2,482,716, Sept. 20.
Noll, George W., assignee: *See*—
Graycarek, Benjamin J.
Norquist, Glenn H., Jamestown, N. Y. Notching machine. 2,482,121, Sept. 20.
Norquist, Glenn H., Jamestown, N. Y. Notching machine. 2,482,122, Sept. 20.
Noyes, Harry A., Watertown, Mass. Freezing comestibles with compatible solutions. 2,482,202, Sept. 20.
Nyberg, Harry K., assignee: *See*—
Ravers, Jerry J., Jr.
Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Driving head for wringers. 2,482,717, Sept. 20.
Oathout, Guy R., Fort Atkinson, Wis. Fish landing net. 2,482,718, Sept. 20.
Ohio Thermometer Company, The, assignee: *See*—
Wappner, Ralph C.
Okawa, Robert H., Kahuka, Oahu, Territory of Hawaii. Combination eye dropper and eyewash cup. 2,482,431, Sept. 20.
Olsen, Marvin R.: *See*—
Packer, Charles S., and Olsen.
Olsson, Karl E. F., Klockargarden, Orno, Sweden. Oarlock. 2,482,432, Sept. 20.
Oneida Ltd., assignee: *See*—
Gray, Daniel.
Ontario Research Corporation, assignee: *See*—
Trowbridge, Charles A.
Oravetz, Julius R., New York, N. Y. Internal expansion pipe wrench. 2,482,501, Sept. 20.
Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Brake equaliser support. 2,482,634, Sept. 20.
Orr Felt & Blanket Company, The, assignee: *See*—
Berglund, Orion W.
Orr, Robert St. J., San Francisco, Calif. Pump lock. 2,482,502, Sept. 20.
Otterman, Joyce, Blyth, Northumberland, England. Artificial limb. 2,482,555, Sept. 20.
Package Machinery Company, assignee: *See*—
Melhorn, Carl E.
Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Headlight lantern. 2,482,287, Sept. 20.
Palmer, F. D., Inc., assignee: *See*—
Palmer, Frank D.
Palmer, Frank D., assignor to F. D. Palmer, Inc., Chicago, Ill. Ice-cream package filling mechanism. 2,482,593, Sept. 20.
Pancake, Herman H., Huntington, W. Va., assignor to American Car and Foundry Company, New York, N. Y. Resiliently mounted drop bottom mine car. 2,482,503. Sept. 20.
Papa, William J.: *See*—
Podvinecs, Stephen J., and Papa.
Park, Chauncey M., Evanston, Ill. Dust collector. 2,482,362, Sept. 20.
Parker Appliance Company, The, assignee: *See*—
Mellchar, Joseph F.
Parrigin, Frank S., Evansville, Ind. Syringe. 2,482,361, Sept. 20.
Patton, Charles C.: *See*—
Harris, Robert A., and Patton.
Pearl, Irwin A., and L. E. Wise, Appleton, Wis., assignors, by mesne assignments, to The Institute of Paper Chemistry. Preparing phenolic materials from lignin.
Pelletier, Charles E., Suncook, N. H. Filling catcher. 2,482,363, Sept. 20.
Pennington, Thomas D., Bridgeton, N. J. Inclinometer. 2,482,504, Sept. 20.
People in the territory of the United States, dedicated to the free use of the, assignee: *See*—
Black, John E.
People in the territory of the United States, dedicated to the free use of the: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.
Perkins Machine and Gear Company, assignee: *See*—
Oakley, John.
Persson, Gunnar J., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Securing means for electrical high vacuum vessels. 2,482,433, Sept. 20.
Petering, Harold G., Kalamazoo, and W. H. Petering, Detroit, Mich., assignors to Research Corporation, New York, N. Y. Provitamin A. 2,482,635, Sept. 20.
Petering, Wilbur H.: *See*—
Petering, Harold G. and W. H.
Peterson, Eric W., Muskegon, Mich., and J. J. Camphouse, Oak Park, assignors to Ditto, Incorporated, Chicago, Ill. Coating and moistening mechanism for duplicating apparatus. 2,482,636, Sept. 20.
Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread system for weft replenishing looms. 2,482,689, Sept. 20.
Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control system for weft replenishing looms. 2,482,690, Sept. 20.
Peterson, George N., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover for weft replenishing looms. 2,482,691, Sept. 20.
Peterson, Harold R., and F. H. Jock, Flint, Mich. Electric motor drive and control for wheel chairs. 2,482,203, Sept. 20.
Peterson, Vincent C. J., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope splice. 2,482,204, Sept. 20.
Petras, Frank P., Masury, Ohio. Simulated masonry wall. 2,482,556, Sept. 20.
Pfister, Jacob: *See*—
Cochran, John K., and Pfister.
Pfleger, Kenneth W., Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Device for heat-treating magnetic materials. 2,482,364, Sept. 20.
Philbrick, Frank H., Evanston, Ill. Machine for tamping ballast. 2,482,123, Sept. 20.
Philco Corporation, assignee: *See*—
Bocciarelli, Carlo V.
Traub, Ernest H.
Zearfoss, Elmer W., Jr.
Philips Laboratories, Inc., assignee: *See*—
Boyle, Homer G.
Phillips, N. P., executor: *See*—
Wurtele, Allan R.
Phillips Petroleum Company, assignee: *See*—
Flatford, William R.
Robinson, Sam P.
Phinney, John A.: *See*—
Michael, Vesta F., and Phinney.
Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Weissglass, Louis L.
Pierce, Erold F., Paterson, N. J., assignor to Wright Aeronautical Corporation. Mechanism providing a ram jet engine with a pilot flame and with a drive for its auxiliary equipment. 2,482,505, Sept. 20.
Plum, Leroy H., Haddon Heights, assignor to Warren Webster & Company, Camden, N. J. Radiator construction. 2,482,595, Sept. 20.
Podvinecs, Dorothy P., administratrix: *See*—
Podvinecs, Stephen J., and Papa.
Podvinecs, Stephen J., New York, and W. J. Papa, Bayside, N. Y.; D. P. Podvinecs, administratrix of said S. J. Podvinecs, deceased. Playground slide. 2,482,637, Sept. 20.
Pokorny, Stephen S., Fort Dodge, Iowa. Loader for tractors. 2,482,365, Sept. 20.
Poole, Arthur B., Harwinton, Conn. Rotary motion-translating device. 2,482,434, Sept. 20.
Poole, Arthur B., Harwinton, Conn. Ratchet mechanism for timepieces. 2,482,435, Sept. 20.
Posen, Sam, assignor to Beltone Hearing Aid Co., Chicago, Ill. Wearable electronic hearing aid having the amplifier and the batteries contained in a common casing. 2,482,288, Sept. 20.
Potters, Stephen, Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Self-sealing oil tank. 2,482,366, Sept. 20.
Potts, Lawrence D., Kenmore, N. Y., assignor to The Linde Air Products Company. Bearing. 2,482,205, Sept. 20.
Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,482,124, Sept. 20.
Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,482,125, Sept. 20.
Pratt, Ryder, Kirkwood, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Lever operated control switch. 2,482,206, Sept. 20.

Precision Scientific Co., assignee: *See*—
Bashore, Homer H.
Premier Crystal Laboratories, Incorporated, assignee: *See*—
Flynn, Floyd W.
Prosser, Clinton D.: *See*—
Downing, Rexford D., and Prosser.
Purifoy, George E., and R. E. Burkhart, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Train-line control system. 2,482,506, Sept. 20.
Purvin, Benjamin R., Detroit, Mich., assignor to Barbering Colman Company, Rockford, Ill. Machine tool clamping mechanism. 2,482,126, Sept. 20.
Quales, Lloyd L., Detroit, and J. F. Hasler, Dearborn, assignors, to Vickers Incorporated, Detroit, Mich. Scoop attachment for industrial truck. 2,482,692, Sept. 20.
Quattlebaum, William M., Jr., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making styrene and substituted styrenes. 2,482,207, Sept. 20.
Quattlebaum, William M., Jr., Charleston, and W. J. Toussaint, South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Making styrene and its derivatives. 2,482,208, Sept. 20.
Radio Corporation of American, assignee: *See*—
Dimmick, Glenn L.
Dimmick, Lawrence L.
King, Louis A.
Max, Abraham M., and Vance.
Shaw, Hubert.
Shenk, Eugene R.
Railroad Products Company, assignee: *See*—
McGarry, John T.
Rallis, Constantine M., assignee: *See*—
Spartalis, Michael P.
Ralston, Frank D., Seattle, Wash. Welder's hood. 2,482,209, Sept. 20.
Rattray, George, Mineola, and I. W. Doyle, Massapequa, N. Y., assignors to Fairchild Camera and Instrument Corporation. Camera having detachable magazine. 2,482,596, Sept. 20.
Ravers, Jerry J., Jr., Amiret, assignor of one-third to H. K. Nyberg and one-third to W. D. Knox, Tracy, Minn. Trench jack. 2,482,367, Sept. 20.
Rea, Antonia, assignee: *See*—
Bedell, Stewart C.
Reach, Milton B., Jr.: *See*—
Reach, Milton B., Sr., and Reach, Jr.
Reach, Milton B., Sr., Springfield, and M. B. Reach, Jr., Westfield, Mass. Golf playing field. 2,482,210, Sept. 20.
Ream, Kenneth C., Alexander, Kans. Toy gun cartridge. 2,482,436, Sept. 20.
Reardon, Eugene J., assignee: *See*—
Kramer, Herman J.
Reeves Hoffman Corporation, assignee: *See*—
Adams, James B., Jr.
Reichardt, Hendricus C., Amsterdam, Netherlands. Lifting apparatus. 2,482,211, Sept. 20.
Reichenbach, Howard F., assignor to Cresale Incorporated, Waterbury, Conn. Lipstick holder. 2,482,368, Sept. 20.
Remington Rand Inc., assignee: *See*—
Brustman, Joseph A.
Rentschler, Harvey C., East Orange, and R. Nagy, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Destroying microorganisms. 2,482,507, Sept. 20.
Republic Aviation Corporation, assignee: *See*—
Potters, Stephen.
Research Corporation, assignee: *See*—
Petering, Harold G. and W. H.
Rhodehamel, Charles M., assignor to Commonwealth Company, Alhambra, Calif. Air-heating wall furnace. 2,482,369, Sept. 20.
Richards, Ross, Newman, Ill. Ball projector. 2,482,437, Sept. 20.
Riches, Wesley W., Newport, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reactivating a copper catalyst by treating with sodium chloride solution. 2,482,289, Sept. 20.
Rider, Stuart H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Modified methylol melamine resins. 2,482,508, Sept. 20.
Rieber, William K., Los Angeles, Calif. Combined recording and reproducing device. 2,482,212, Sept. 20.
Rigamont, Victor A., Pittsburgh, Pa. Building block. 2,482,719, Sept. 20.
Ritchie, John R., Minneapolis, Minn. Snowplow structure. 2,482,213, Sept. 20.
Ritter, Irving S., Sharon, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Axial flow fan. 2,482,597, Sept. 20.
Ritter, Irving S., Sharon, and F. W. Morley, Westwood, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air-heating system. 2,482,735, Sept. 20.
Rively, Clair M., Bloomfield, and K. G. Crocker, East Orange, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Incandescent electric lamp for series service. 2,482,509, Sept. 20.
Riverside Mills, assignee: *See*—
Cone, Ralph R.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petrolenm Company. Acetylene manufacture. 2,482,438, Sept. 20.
Robinson Tool Company, assignee: *See*—
Swearingen, Judson S.
Rogers, Harold G., Lexington, Ky., and C. C. Kajdan, assignors to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute equipment. 2,482,693, Sept. 20.
Rogie, James M., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Connecting plug. 2,482,214, Sept. 20.
Rolex Watch Co. Ltd., assignee: *See*—
Borer, Emile.
Romano, Matthew J.: *See*—
Schultz, Oswald R., Nestle, and Romano.
Roos, Paul A., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reflecting surface replica. 2,482,598, Sept. 20.
Rosenberg of Michael, Albert, Baltimore, Md. Cross-tie and cleat therefor. 2,482,599, Sept. 20.
Rosenmund, Alfred L., Woodport, N. J., assignor to Stapling Machines Co. Boxmaking machine. 2,482,370, Sept. 20.
Rosenmund, Alfred L., deceased, by T. C. Rosenmund, administratrix, Woodport, N. J., assignor to Stapling Machines Co. Box-stapling machine. 2,482,371, Sept 20.
Rosenmund, Theresa C., administratrix: *See*—
Rosenmund, Alfred L.
Rosický, Jan, assignor to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Derivatives of the benzotetronic acid and manufacturing same. 2,482,510, Sept. 20.
Rosický, Jan, assignor to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Manufacturing bis-4-hydroxy-coumarin esters. 2,482,511, Sept. 20.
Rosický, Jan, Prague, and K. Fučik, Prague-Modrany, assignors to Spojene Farmaceuticke Zavody, Narodni Podnik, Prague, Czechoslovakia. Manufacturing 3,3'-carboxymethylenebis-(4-hydroxy-coumarin) compounds for the reduction of the prothrombin level. 2,482,512, Sept. 20.
Rossignol, Charles A. P., and P. M. J. S. de Glacomoni, Paris, France, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,482,513, Sept. 20.
Rossow, Robert, Culver, Ind. Golf club carrier. 2,482,372, Sept. 20.
Roters, Herbert C., Kew Gardens, N. Y., assignor to Fairchild Camera and Instrument Corporation. Impulse motor synchronizing system. 2,482,290, Sept. 20.
Rovito, Frank X.: *See*—
Charlton, Ralph W., and Rovito.
Ruben, Samuel, New Rochelle, N. Y. Primary cell with mercury absorbent. 2,482,514, Sept. 20.
Rucks, Edward L.: *See*—
Koertge, Nobel H., and Rucks.
Rudin, Robert, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized system. 2,482,373, Sept. 20.
Ruschmeyer, Herman W., Mankato, Minn. Clamp. 2,483,274, Sept. 20.
Rush, John W.: *See*—
Cook, Earle S., McClure, and Rush.
Rush, John W., and A. J. Bent, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,482,291, Sept. 20.
Russell, Peter K., Shippensburg, Pa. Oil burner. 2,482,215, Sept. 20.
Russell-Lacey Manufacturing Company, Incorporated, assignee: *See*—
Bradwell, Robert H., and Broek.
Russell-Lacey Manufacturing Company, Incorporated, assignee: *See*—
Moore, William N.
Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Drying oil products and making same. 2,482,736, Sept. 20.
Rust, John D., Memphis, Tenn. Cotton-picking machine. 2,482,216, Sept. 20.
Rust, John D., Memphis, Tenn. Capillarity controlled wick. 2,482,557, Sept. 20.
Rustebakke, Homer M.: *See*—
Harder, Edwin L., and Rustebakke.
Rylsky, Gregory V., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Radiant energy receiver. 2,482,440. Sept. 20.
Sabbia, Jerome R., Bridgeport, Conn., assignor to United Aircraft Corporation of East Hartford, Conn. Quick disconnect. 2,482,292. Sept. 20.
Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Blade mounting for propellers. 2,482,217, Sept. 20.
Sager, DeWitt D.: *See*—
Audrieth, Ludwig F., and Sager.
Sammons, Herbert, Gerrards Cross, assignor to D. Napier & Son Limited, London, England. Prevention of ice formation in air intakes on aircraft and other fast-moving vehicles. 2,482,720, Sept. 20.
Sanders, Paul A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanized polymers of chloroprene. 2,482,293, Sept. 20.
Sandor, William C., Parma, Ohio. Golf ball retriever. 2,482,294, Sept. 20.
Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-resistant composition. 2,482,600, Sept. 20.

Sarett, Ben L., assignee: *See*—
Baker, Dwight L.

Sattler, Frank A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polyester amide resin solution containing mixed solvents. 2,482,515, Sept. 20.

Scaringella, Vito V., Woodlynne, N. J. Pipe joint. 2,482,558, Sept. 20.

Schaelchlin, Walter: *See*—
Hornbarger, Earl H., and Schaelchlin.

Schiermeier, Knapel F., Alton, and W. E. Heins, Roxana, Ill., assignors to Shell Development Company, San Francisco, Calif. Corrosion inhibiting composition. 2,482,517, Sept. 20.

Schlafman, Ely, Cleveland Heights, Ohio. Garment. 2,482,295, Sept. 20.

Schlechten, Albert W., Corvallis, W. J., Kroll, and L. A. Yerkes, Albany, Oreg., assignors to the United States of America as represented by the Secretary of the Interior. Apparatus for refining metals. 2,482,127, Sept. 20.

Schmid, Russell F., Neptune, N. J., assignor to the United States of America as represented by the Secretary of the Army. Receiver protection circuit. 2,482,128, Sept. 20.

Schneider, Paul L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine control device. 2,482,550, Sept. 20.

Schneiderman, Joseph, Chicago, Ill. Protecting device for electrical terminals. 2,482,129, Sept. 20.

Scholes, Addison B.: *See*—
McKenzie, Ronald J., Scholes, and Lull.

Schuck, Raymond W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealed sleeve bearing. 2,482,518, Sept. 20.

Schultz, Oswald R., New York, N. Y., R. F. Nestle, Ardmore, and M. J. Romano, assignors, by mesne assignments, to Triangle Publications, Inc., Philadelphia, Pa. Photogravure. 2,482,638, Sept. 20.

Schumacher, Edwin B.: *See*—
Furnas, William G., and Schumacher.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Process and apparatus for converting hydrocarbons. 2,482,137, Sept. 20.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Reactor for thermal conversion of hydrocarbons. 2,482,138, Sept. 20.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon conversion. 2,482,139, Sept. 20.

Schutte, August H., Hastings on Hudson, assignor to The Lummus Company, New York, N. Y. Hydrocarbon conversion. 2,482,140, Sept. 20.

Schwarz, Gerald L., Cleveland Heights, assignor to Air Controls Inc., Cleveland, Ohio. Square sided blower. 2,482,519, Sept. 20.

Schweig, Julius A., Clayton, assignor to Security Fire Door Company, St. Louis, Mo. Elevator shaft door. 2,482,639, Sept. 20.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Governor apparatus. 2,482,560, Sept. 20.

Scott, Everette C., and G. W. McDonald, Ashton, assignors to Swift & Company, Chicago, Ill. Manufacture of rennet paste. 2,482,520, Sept. 20.

Scott, Robert W.: *See*—
Wiegand, Francis J., and Scott.

Seborg, Clarence O.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.

Security Fire Door Company, assignee: *See*—
Schweig, Julius A.

Security-First National Bank of Los Angeles, executor: *See*—
Shoemaker, Louis H.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Paper perforating device. 2,482,218, Sept. 20.

Sellman, Albert H.: *See*—
Duncan, Robert C., and Sellman.

Sensenich Corporation, assignee: *See*—
Sensenich, Martin M.

Sensenich, Martin M., assignor to Sensenich Corporation, Lancaster, Pa. Manufacturing plastic coated wood propellers or impellers. 2,482,375, Sept. 20.

Serkland, Helmer O., St. James, Minn. Wall protector. 2,482,376, Sept. 20.

Shaffer, Harvey H., Berwick, Pa. Railway truck bolster column guide. 2,482,219, Sept. 20.

Sharbaugh, Amandus H.: *See*—
Hall, Robert N., Sharbaugh, and Tonks.

Shaw, Hubert, Drexel Hill, Pa., assignor to Radio Corporation of America. Television receiver horizontal deflection. 2,482,737, Sept. 20.

Shearer, Walter G., Wenatchee, Wash. Device for filing circular saws. 2,482,694, Sept. 20.

Shearer, Walter G., Wenatchee, Wash. File holder or guide. 2,482,695, Sept. 20.

Sheesley, Jay R., Winnetka, Ill. Dump car door lock. 2,482,516, Sept. 20.

Shell Development Company, assignee: *See*—
Adelson, David E., and Dannenberg.
Gregory, James N., and Elder.
Morris, Rupert C., and Van Winkle.
Schiermeier, Knapel F., and Heins.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Beta-cyclohexyl-alpha-alpha-dimethyl-alpha-dimethyl-alpha amino ethane and salts thereof. 2,482,377, Sept. 20.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Voltage two-tone source. 2,482,561, Sept. 20.

Sherry, Arthur B.: *See*—
Chavannes, Marc A., and Sherry.

Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,482,296, Sept. 20.

Shoemaker, Louis H., Santa Monica, Calif.; Security-First National Bank of Los Angeles, executor of said L. H. Shoemaker, deceased. Vertical lift bridge. 2,482,562, Sept. 20.

Sigmundi, Arthur R., Cedar Rapids, Iowa. Bait retainer for fishhooks. 2,482,721, Sept. 20.

Signode Steel Strapping Company, assignee: *See*—
Crosby, George A., and Ericsson.

Silverman, Abe, Chicago, Ill. Surgical breast pad. 2,482,297, Sept. 20.

Simmonds, Forrest A.: *See*—
Chidester, Gardner H., Baird, Mackin, Simmonds, Seborg, Bray, and McGovern.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Securing means for demountable wheels. 2,482,378, Sept. 20.

Sjöberg, Nils, Stockholm, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Tap changing transformer system. 2,482,441, Sept. 20.

Skilsaw, Inc., assignee: *See*—
Grafe, William H.

Skinner, Leslie A., U. S. Army, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Flying target unit. 2,482,130, Sept. 20.

Slencil Co., The, assignee: *See*—
Harris, Carl C.

Sloat, Joe J., assignee: *See*—
Bascle, Joseph A.

Sloat, John G.: *See*—
Bascle, Joseph A.

Smith, Dale, Englewood, Ohio. Liquid cooling device. 2,482,220, Sept. 20.

Smith, George H.: *See*—
Mobbs, Herbert, and Smith.

Smith, Luther A., Birmingham, Ala. Adjustable hole saw. 2,482,439, Sept. 20.

Smith, James M., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Halogenated phenacylpyridines. 2,482,521, Sept. 20.

Smith, John J.: *See*—
Mueller, Frank H., and Smith.

Smith, McDonald D., Washington, D. C., and G. F. Freer, Arlington, Va., assignors to Mueller Co., Decatur, Ill. Pipe-line stopper. 2,482,696, Sept. 20.

Smith, Roy D., Mertzon, Tex., assignor to Bee-Line Company, Scott County, Iowa. Frame straightener tool. 2,482,738, Sept. 20.

Snap-On Drawer Co., assignee: *See*—
Hake, Elmer C.

Societe Francaise Radio Electrique, assignee: *See*—
Toussaint, Maurice.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Caesar, Philip D., and Waldo.
Cranmer, John M.

Soderman, George W., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material cutting apparatus. 2,482,379, Sept. 20.

Sokolik, Edward, New Brighton, Minn. Pneumatic tire and tire rim. 2,482,221, Sept. 20.

Sonntag, Orville C.: *See*—
Brachman, Philip R., and Sonntag.

South River Metal Products Company, Inc., assignee: *See*—
Cohn, Max.

Spartalis, Athena M., assignee: *See*—
Spartalis, Michael P.

Spartalis, Michael P., assignor of two-fifths to A. M. Spartalis, St. Paul, two-fifths to C. M. Rallis, Minneapolis, and one-fifth to N. Chiomes, St. Paul, Minn. Cooking machine. 2,482,601, Sept. 20.

Special Engineering Service, Incorporated, assignee: *See*—
Gordinier, Ralph E.

Speier, Frances, assignee: *See*—
Imbriani, Louis.

Sperlich, Herman A., Detroit, Mich. Mounting means for the fixed ironing element of ironing machines. 2,482,380, Sept. 20.

Spiess, William R., Teaneck, N. J., assignor to Flexnit Company, Inc. Girdle. 2,482,640, Sept. 20.

Spigerverk, Christiania, assignee: *See*—
Asak, Ragnvald.

Spojene Farmaceuticke Zavody, Narodni Podnik, assignee: *See*—
Rosicky, Jan.
Rosicky, Jan, and Fucik.

Spong, Allen L., Denver, Colo. Icing and glazing machine for bakery products. 2,482,563, Sept. 20.

Spreen, Charles C., Detroit, assignor to R. W. Lewis, Walled Lake, Mich. Handle for utensils and mounting therefor. 2,482,697, Sept. 20.

Standard Oil Company, assignee: *See*—
Johnson, Everett A.

Standard Oil Development Company, assignee: *See*—
Dupas, Robert.

Standard Stoker Company, Inc., The, assignee: *See*—
Freed, Theodore F.

Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Look for work supports of fastening-inserting machines. 2,482,131, Sept. 20.

Stanolind Oil and Gas Company, assignee: *See*—
Michael, Vesta F., and Phinney.

Stanton, Samuel W.: *See*—
Mann, Estel R., and Stanton.

Stapling Machines Co., assignee: *See*—
Rosenmund, Alfred L.

Stegkemper, George H., Parma, Ohio. Transmission. 2,482,298, Sept. 20.

Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Melting and drawing crucible. 2,482,299, Sept. 20.

Stevens, Claud L., and C. J. Moody, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Testing bearings. 2,482,381, Sept. 20.

Stevens, Frederic B., Inc., assignee: *See*—
Grimes, George J.

Stevens, Roy R., Forest Hills, assignor to the Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus for reversible internal-combustion engines. 2,482,301, Sept. 20.

Stevens, Roy R., and A. G. Larson, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,482,300, Sept. 20.

Stewart-Warner Corporation, assignee: *See*—
Korsgren, Theodore Y.
Tramontini, Vernon N.

Stites, Loren H., Flint, Mich. Steering wheel spinner. 2,482,641, Sept. 20.

Stock, Charles R.: *See*—
De Waard, Russell D., and Stock.

Strang, Minor H., and R. J. Burger, assignors to McCray Refrigerator Company, Kendallville, Ind. Two-temperature refrigerating means. 2,482,222, Sept. 20

Strawn, Orval R.: *See*—
Lemmon, Alexis W., and Strawn.

Strickland, Royal F., Cleveland Heights, Ohio, assignor to General Electric Company. Control unit for discharge lamps. 2,482,442, Sept. 20.

Strid, Carl J., La Canada, and J. R. Blake, La Crescenta, Calif., assignors to Adel Precision Products Corp. Self-aligning poppet valve. 2,482,223, Sept. 20.

Stromberg-Carlson Company, assignee: *See*—
Henderson, Kenneth L.

Studler, René R., Washington, D. C., S. Feltman, Arlington, Va., and C. E. Balleisen, Philadelphia, Pa. Cartridge. 2,482,132, Sept. 20.

Summers, Otto M., Glasgow, Ky., assignor to The Thompson Grinder Company, Springfield, Ohio. Filtering system. 2,482,302, Sept. 20.

Sunbeam Corporation, assignee: *See*—
McNamara, Francis C.

Swearingen, Judson S., Southton, assignor, by mesne assignments, to Robinson Tool Company, Houston, Tex. Clinometer for well bores. 2,482,224, Sept. 20.

Sweetser, Bert M., Glendale, Calif. Bonding machine. 2,482,133, Sept. 20.

Swift & Company, assignee: *See*—
Gomeck, James.
Scott, Everette C., and McDonald.

Sykes, John, assignor to Enfield Rolling Mills Limited, Enfield, England. Copper base alloys. 2,482,225, Sept. 20.

Sylvan, Stig G., Stockholm, Sweden, assignor to American Air Filter Company, Inc., Louisville, Ky. Separator. 2,482,642, Sept. 20.

Sylvania Electric Products Inc., assignee: *See*—
McKenzie, Ronald J., Scholes, and Lull.

Tarry, George S., Leicester, England. Mechanism for producing intermittent rotary motion. 2,482,722, Sept. 20.

Teletype Corporation, assignee: *See*—
Goetz, Maurus T.
Halvorsen, Ralph H.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Hard, Herbert G.

Terpening, Arnold I., Highland, assignor to The De Laval Separator Company, New York, N. Y. Portable milker. 2,482,602, Sept. 20.

Thomas, Ralph W., assignor to Waukesha Foundry Company, Waukesha, Wis. Corrosion resistant alloy. 2,482,382, Sept. 20.

Thome, Leslie K., Detroit, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Crankcase ventilator. 2,482,226, Sept. 20.

Thompson Grinder Company, The, assignee: *See*—
Summers, Otto M.

Tice, William F., assignor to Barber-Coleman Company, Rockford, Ill. Friction flywheel dampener for servos. 2,482,134, Sept. 20.

Tiddy, William, Manhasset, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Ammonium sulfate saturator. 2,482,643, Sept. 20.

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Optical lens means having a non-spherical refracting surface. 2,482,698, Sept. 20.

Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.

Tonks, Lewi: *See*—
Hall, Robert N., Sharbaugh, and Tonks.

Törnros, Eugen, assignor to Allmanna Svenska Elektriske Aktiebolaget, Vasteras, Sweden. Operating means for electrically driven textile machines. 2,482,443, Sept. 20.

Toth, Barnabas P., assignor to Barnaby Manufacturing and Tool Company, Bridgeport, Conn. Bushing for toolholders. 2,482,603, Sept. 20.

Toussaint, Maurice, Paris, France, assignor to Societe Francaise Radio Electrique. Alternating current synchronizing apparatus. 2,482,444, Sept. 20.

Toussaint, Walter J.: *See*—
Quattlebaum, William M., Jr., and Toussaint.

Towne, Benjamin, New York, N. Y. Educational game. 2,482,227, Sept. 20.

Townsend, Roy C., La Crosse, Wis. Guide wheel suspension for road-rail vehicles. 2,482,564, Sept. 20.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater control system. 2,482,565, Sept. 20.

Traub, Ernest H., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Image-projection optical system with cylindrical screen and stop means. 2,482,566, Sept. 20.

Traverso, Joe M., Madrone, Calif. Prune picker. 2,482,383, Sept. 20.

Triangle Publications, Inc., assignee: *See*—
Schultz, Oswald R., Nestle, and Romano.

Triplett Electrical Instrument Company, The, assignee: *See*—
Lingel, Frederick J.

Trowbridge, Charles A., Roxborough, assignor, by mesne assignments, to Ontario Research Corporation, Philadelphia, Pa. Radio antenna. 2,482,567, Sept. 20.

Tubbs, Lester G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Voltage regulating system. 2,482,522, Sept. 20.

Tullgren, Lester C., Minneapolis, Minn., and J. Bonkiewies, Jr., Lodgepole, Nebr. Rubber oil can. 2,482,384, Sept. 20.

Turner, George, Dudley, England. Electric resistance furnace. 2,482,445, Sept. 20.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin and making same. 2,482,446, Sept. 20.

Udylite Corporation, The, assignee: *See*—
Davis, John V.

Union Carbide and Carbon Corporation, assignee: *See*—
Jones, Homer W., and Bucknam.

Union-National, Inc., assignee: *See*—
Millspaugh, Cedric E.

Union Switch & Signal Company, The, assignee: *See*—
Gracey, William R., Jr.
Shields, Charles B.

Union Aircraft Corporation of East Hartford, Conn., assignee: *See*—
Sabbia, Jerome R.

United Merchants & Manufacturers, Inc., assignee: *See*—
Miller, Fred T.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Standish, John F.

United Specialties Company, assignee: *See*—
McAllister, Alexander J., and Dresnes.

United States Quarry Tile Company, assignee: *See*—
Feichter, Harold R.

United States Rubber Company, assignee: *See*—
Kharasch, Morris S.

Urban, Joseph T., Easton, Pa., and A. Batzdorff, Brooklyn, N. Y., said Urban assignor to said Batzdorff. Blade holder. 2,482,385, Sept. 20.

Urschel, Gerald W., and J. R., Valparaiso, Ind. Slicing machine. 2,482,523, Sept. 20.

Urschel, Joe R.: *See*—
Urschel, Gerald W. and Joe R.

Vaisey, Harold C., and F. G. Deming, assignors to Hickok Manufacturing Company, Inc., Rochester, N. Y. Key ring with a sliding closure member. 2,482,386, Sept. 20.

Van Campen, Marcus G., Jr.: *See*—
Shelton, Robert S., and Van Campen, Jr.

Vance, Carroll M.: *See*—
Max, Abraham M., and Vance.

Van Liempt, Johannes A. M., and J. Bergmans, Eindhoven, Netherlands, assignors to General Electric Company, Schenectady, N. Y. Electric lamp manufacture. 2,482,447, Sept. 20.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of air. 2,482,303, Sept. 20.

Van Nuys, Claude C., Greenwich, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Recovery of the constituents of gaseous mixtures. 2,482,304, Sept. 20.

Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.

Vendorlator Manufacturing Company, assignee: *See*—
Childers, Harry S.

Veneman, Orville D., Portland, Oreg. Gear-operated double-socket wrench. 2,482,387, Sept. 20.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Gunfire control apparatus. 2,482,699, Sept. 20.

Vickers Incorporated, assignee: *See*—
Quales, Lloyd L., and Hasler.
Vickers, Harry F.

Vogt, Henry, Machine Company, assignee: *See*—
Fleits, Morris F.

Volgovskoy, Boris, Wauwatosa, and A. C. Halter, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clamped switch. 2,482,306, Sept. 20.

Vrooman, Charles R., assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada. Reclosing control system for circuit breakers. 2,482,524, Sept. 20.

W-K-M Company, Inc., assignee: *See*—
Fowler, James M.

Wachter, Joseph J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Odorless phenol-formaldehyde resinous products. 2,482,525, Sept. 20.

Wagner, Charles F.: *See*—
Harris, Walter R., and Wagner.

Waldheim, John J., assignor to Bartolucci & Waldheim, Chicago, Ill. Tilting chair. 2,482,306, Sept. 20.

Waldo, Pharez G.: *See*—
Caesar, Philip D., and Waldo.

Walker, Herbert W., Woodstown, N. J., and R. W. Morrow, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic elastomer latices. 2,482,307, Sept. 20.

Wallace, Halbert C., Fargo, N. Dak. Grain blower. 2,482,723, Sept. 20.

Wappner, Ralph C., assignor to The Ohio Thermometer Company, Springfield, Ohio. Thermometer. 2,482,228, Sept. 20.

War, United States of America as represented by the Secretary of, assignee: *See*—
Andrieth, Ludwig F., and Sager.
Jacobsen, Andrew B.
Skinner, Leslie A.

Warraner, Stanley, Chicago, Ill. Clipper sterilizer. 2,482,388, Sept. 20.

Warner, Sherman K.: *See*—
Konen, Arne E., and Warner.

Watson, Earl C., Turtle Creek, and A. W. Kimball, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,482,526, Sept. 20.

Watt, Bob E., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control circuit for antenna scan systems. 2,482,148, Sept. 20.

Waukesha Foundry Company, assignee: *See*—
Thomas, Ralph W.

Weaver, Samuel H., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Fastening device for pump impellers. 2,482,229, Sept. 20.

Weaver, Welcome I., Huntingdon, Ind., and L. M. Hobbs, Pittsburgh, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. N-substituted aromatic sulfonamide polymers. 2,482,389, Sept. 20.

Webber, Karl K., Flora, Ill. Heat indicating journal box closure. 2,482,390, Sept. 20.

Webster, David A., San Diego, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fastener unit. 2,482,391, Sept. 20.

Webster, Warren & Company, assignee: *See*—
Plum, Leroy H.

Weil, Conrad, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulation. 2,482,527, Sept. 20.

Weisglass, Louis L., assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Metering circuit for X-ray machines. 2,482,604, Sept. 20.

Wells, Joseph W., assignor to Associated Spring Corporation, Bristol, Conn. Belleville spring assembly. 2,482,449, Sept. 20.

Wells, Robert S., Rugby, England, assignor to General Electric Company. Barium halophosphate phosphor. 2,482,450, Sept. 20.

Welsh, Matilda D., Ladue, Mo. Chassis for baby buggies. 2,482,230, Sept. 20.

Welsh, Max H.: *See*—
Deems, Delmar L., and Welsh.

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator control. 2,482,568, Sept. 20.

Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst preparation. 2,482,308, Sept. 20.

Western Electric Company, Incorporated, assignee: *See*—
Harris, Robert A., and Patton.
Soderman, George W.

Westinghouse Air Brake Company, The, assignee: *See*—
Bush, Rankin J.
Cook, Earle S., McClure, and Rush.
Hewitt, Ellis E., and Larson.
Rush, John W., and Bent.
Stevens, Roy R.
Stevens, Roy R., and Larson.

Westinghouse Electric Corporation, assignee: *See*—
Alpert, Daniel.
Ankenman, Earl B.
Bouton, Edgar M.
Brecht, Winston A.
Carlin, Herbert J., and Hoard.
Christensen, Willard L.
Cooper, Nelson D.
Corbett, Ray F.
Dowell, Arthur E., III.
Foster, Newton C.
Fromm, Kenneth N.
Geiselman, Ralph A.
Godsey, Frank W., Jr.
Harder, Edwin L.
Harder, Edwin L., and Rustebakke.
Harris, Walter R., and Wagner.
Hornbarger, Earl H., and Schaelchlin.
Kaiser, Francis D.
Kilgore, Lee A.
King, George E.
Knochel, William J., and Aakjer.
Laidig, Alfred H.
McGillivray, Archie.
Mosshart, Donald J.
Nagel, Fritz J.
Purifoy, George R., and Burkhart.
Rentschler, Harvey C., and Nagy.
Ritter, Irving S.
Ritter, Irving S., and Morley.
Rively, Clair M., and Crocker.
Rossignol, Charles A. P., and De Giacomoni.

Westinghouse Electric Corporation, assignee: *See*—
Sattler, Frank A.
Schuck, Raymond W.
Schwendner, Anthony F.
Tubbs, Lester G.
Wachter, Joseph J.
Watson, Earl C., and Kimball.
Weil, Conrad.
Williams, Harold W.

Whitaker, Rolfe E., Los Angeles, Calif. Machine for trimming branches from standing trees. 2,482,392, Sept. 20.

White, Joseph T., Glendora, Miss. Cable lock. 2,482,231, Sept. 20.

Wiegand, Francis J., Ridgewood, and R. W. Scott, Packanack Lake, N. J., assignors to Wright Aeronautical Corporation. Double-boost venturi construction. 2,482,528, Sept. 20.

Wiest, Edward H., Sr., Indianapolis, Ind. Rain alarm. 2,482,448, Sept. 20.

Wilburn, Frank, Los Angeles, Calif. Ultra high frequency tuner. 2,482,393, Sept. 20.

Wilker, Samuel, Norwalk, Conn. Adjustable waistband in pajama trousers. 2,482,644, Sept. 20.

Williams, Harold W., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator system. 2,482,529, Sept. 20.

Wilson, Earl E., Detroit, Mich. Artificial fish lure. 2,482,309, Sept. 20.

Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic stoker motor control responsive to space and combustion temperature conditions. 2,482,739, Sept. 20.

Wilson-Jones Co., assignee: *See*—
Segal, Samuel.

Wilson, Lawrence A.: *See*—
Cleven, Oluf L., and Wilson.

Winkle, Charles B., Salt Lake City, Utah. Fuse. 2,482,135, Sept. 20.

Wise, Louis E.: *See*—
Pearl, Irwin A., and Wise.

Wood, Clifford: *See*—
Haddock, Norman H., and Wood.

Worley, Ernest W., Kansas City, Kans. Pan scouring implement. 2,482,605, Sept. 20.

Wright Aeronautical Corporation, assignor: *See*—
Browne, Kenneth A.
Browne, Kenneth A., and Cannon.
Haracz, Edward F.
Pierce, Erold F.
Wiegand, Francis J., and Scott.
Young, Raymond W., and Keller.

Wright, William N., Seattle, Wash. Engine. 2,482,136, Sept. 20.

Wurtele, Allan R., Mix, La.; N. G. Wurtele and N. P. Phillips, executors of said A. R. Wurtele, deceased, assignor of one-half to N. G. Wurtele and one-half to J. Wurtele, Harvester. 2,482,530, Sept. 20.

Wurtele, Joanna, assignee: *See*—
Wurtele, Allan R.

Wurtele, Noemie G., executrix, assignee: *See*—
Wurtele, Allan R.

Wyman, Edwin T., Brookline, Mass. Gas turbine. 2,482,394, Sept. 20.

Yauger, Harlond A., and G. W. Goette, assignors to American Gas Machine Company, Albert Lea, Minn. Pilot for horizontal pot burners. 2,482,700, Sept. 20.

Yeager, Homer, assignee: *See*—
Hughes, Dewey C.

Yelda, John O., Herculaneum, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Thermostatic device. 2,482,232, Sept. 20.

Yerkes, Leland A.: *See*—
Schlechten, Albert W., Kroll, and Yerkes.

Young, Raymond W., Hohokus, and G. H. Keller, Radburn, N. J., assignors to Wright Aeronautical Corporation. Antidetonation system. 2,482,531, Sept. 20.

Zambakian, Irving: *See*—
Beckman, Carl, and Zambakian.

Zander, Albert A., Detroit, Mich. Grip and control mechanism for bowling. 2,482,395, Sept. 20.

Zearfoss, Elmer W., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Two-temperature refrigerating system. 2,482,569, Sept. 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Burner, Combustion. L. Lubbock and F. J. Battershill. Re. 23,149, Sept. 20.
Ignition and power testing apparatus, Engine. R. L. Sexton. Re. 23,150, Sept. 20.
Isomerisation of cycloparaffins of non-hydroaromatic structure. R. N. Shiraz, A. C. Nixon, and C. H. Deal, Jr. Re. 23,151, Sept. 20.
Machine voltage, Regulating a. U. H. Krabbe. Re. 23,148, Sept. 20.
Wheel suspension. E. W. Börjeson. Re. 23,147, Sept. 20.

LIST OF PLANT INVENTIONS

Camellia plant. F. A. Godchaux. 873, Sept. 20.
Geranium plant. W. J. Haase. 875, Sept. 20.
Rose plant. H. A. M. Verschuren. 874, Sept. 20.

LIST OF DESIGN INVENTIONS

Airplane. A. F. Arcier. 155,256, Sept. 20.
Airplane, Amphibian. A. P. Fontaine. 155,281, Sept. 20.
Applicator or similar article, Hair wave fluid. M. Morrison. 155,308–9, Sept. 20.
Automobile. C. Bretschneider. 155,266, Sept. 20.
Automobile. F. E. Mayes. 155,303, Sept. 20.
Bracket Transposition. C. J. Lowrey. 155,301, Sept. 20.
Brooch or similar article. N. Barbieri. 155,258–9, Sept. 20.
Brooch or similar article. A. Philippe. 155,317–18, Sept. 20.
Camera, Photographic. J. Bolsey. 155,264, Sept. 20.
Candleholder. C. Fischett. 155,278, Sept. 20.
Cap, Container. L. Baron. 155,260, Sept. 20.
Chain for a bracelet or similar article, Expansible. K. C. Augenstain. 155,257, Sept. 20.
Chair. C. Eames. 155,272–3, Sept. 20.
Chair, Easy. C. Eames. 155,275, Sept. 20.
Chair, Tilt-back. C. Eames. 155,274, Sept. 20.
Container, Granular material. D. D. Eklund. 155,276, Sept. 20.
Cover and stand, Combined coffee brewer. C. W. Hellberg. 155,288, Sept. 20.
Cup, Child's. W. L. McKay. 155,304, Sept. 20.
Dispenser, Coin. L. F. Pierce. 155,322, Sept. 20.
Dispenser, Paper. W. J. Collard and G. W. De Loof. 155,271, Sept. 20.
Earring or similar article. A. Philippe. 155,316, Sept. 20.
Earring or similar article. A. Philippe. 155,319, Sept. 20.
Earring or similar article. W. Wienner. 155,326, Sept. 20.
Egg opener. F. von Hirsch. 155,324, Sept. 20.
Fish lure. M. C. Miller. 155,307, Sept. 20.
Fixture, Fluorescent lighting. C. X. Meyer. 155,305, Sept. 20.
Fixture, Indirect lighting. I. G. Gangbin. 155,283, Sept. 20.
Fixture, Louvered fluorescent lighting. C. X. Meyer. 155,306, Sept. 20.
Frame for a multi-needle sewing machine. G. A. Boettcher. 155,263, Sept. 20.
Game board. L. E. Pogue. 155,323, Sept. 20.
Game control element, Faceted. R. Peukert. 155,315, Sept. 20.
Grille guard for automobile radiators. H. Birnbaum. 155,262, Sept. 20.
Grille guard for automobile radiators. H. Phillips. 155,321, Sept. 20.
Hairbrush. P. Muller-Munk. 155,310, Sept. 20.
Holder for plate, cup, and implement. J. K. Laier. 155,299, Sept. 20.
Lamp base. M. L. Gershun. 155,284, Sept. 20.
Lamp base or similar article, Book end. C. M. Wade. 155,325, Sept. 20.
Lipstick holder and vanity case, Combined. F. M. Breen. 155,265, Sept. 20.
Microphone. L. R. Burroughs and M. H. Boldt. 155,270, Sept. 20.
Mug, Drinking. W. W. Hoople. 155,289, Sept. 20.
Necklace or similar article. A. Philippe. 155,320, Sept. 20.
Opener, Bottle. A. M. Guior. 155,286, Sept. 20.
Organ, Electric. P. M. Fuller. 155,282, Sept. 20.
Pack of game cards. J. Brzeski. 155,268, Sept. 20.
Piano or similar article. A. P. Brown. 155,267, Sept. 20.
Piercer, Can top. J. G. Pessina. 155,314, Sept. 20.
Pitcher, Ice water. C. M. Burroughs. 155,269, Sept. 20.
Pouch and lighter, Combined tobacco. R. F. Kirby. 155,291, Sept. 20.
Ring, Finger. F. J. Kuczajda. 155,293, Sept. 20.
Scale, Cream test. C. L. Otto. 155,312, Sept. 20.
Scale, Laboratory. C. L. Otto. 155,313, Sept. 20.
Scale, Weighing. J. M. Little. 155,300, Sept. 20.
Screw driver, Miniature jewelry. J. H. Kushner. 155,297, Sept. 20.
Slicing machine. C. Klingens and J. L. Foster. 155,292, Sept. 20.
Tablecloth. J. Mack. 155,302, Sept. 20.
Tire. W. F. Billingsley. 155,261, Sept. 20.
Tire. C. F. Ofensend. 155,311, Sept. 20.
Tool, Hacking. A. H. Hawes. 155,287, Sept. 20.
Tool, Electric soldering. W. A. Kuehl. 155,294–6, Sept. 20.
Top, Whipping. P. La Falce. 155,298, Sept. 20.
Toy music box. C. A. Fausel. 155,277, Sept. 20.
Tray. H. S. Zalkaner. 155,327, Sept. 20.
Tripod head for a camera or similar article. S. Flesch. 155,279–80, Sept. 20.
Visor, Automobile headlight. W. H. Johnsen. 155,290, Sept. 20.
Writing implement. W. Green and P. Schladermundt. 155,285, Sept. 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene manufacture. S. P. Robinson. 2,482,438, Sept. 20.
Actuator control. C. J. Werner. 2,482,568, Sept. 20.
Acyl derivatives of diaminodiphenylsulfone and preparation thereof. R. S. Gubner. 2,482,169, Sept. 20.
Adapter for scale tickets. W. E. Clements. 2,482,726, Sept. 20.
Adduct of butadiene sulfone and bromotrichloromethane and process of partial dehalogenation thereof. M. S. Kharasch. 2,482,088, Sept. 20.
Adjusting device, Watch movement beat. H. Line. 2,482,351, Sept. 20.
Adjustment mechanism for fluid meters. W. F. Berck. 2,482,645, Sept. 20.
Advertising sign and display device with rotary drum. E. F. Gerber. 2,482,475, Sept. 20.
Aerial mounting. M. Cohn. 2,482,575, Sept. 20.
Agitator, Washing machine. N. L. Etten. 2,482,253, Sept. 20.
Air cleaner. A. J. McAllister and J. J. Dreznes. 2,482,679, Sept. 20.
Air cleaner for flat knitting machines. L. Imbriani. 2,482,670, Sept. 20.
Air compressor, Spherical. O. N. Davis. 2,482,325, Sept. 20.
Air-heating system. I. S. Ritter and F. W. Morley. 2,482,735, Sept. 20.
Air-heating wall furnace. C. M. Rhodehamel. 2,482,369, Sept. 20.
Air-operated press. U. D. Foster. 2,482,539, Sept. 20.
Alarm, Fire. J. A. Johnston. 2,482,113, Sept. 20.
Alarm, Rain. E. H. Wiest, Sr. 2,482,448, Sept. 20.
Alkylating thiophene with sulfuric acid catalyst. P. D. Caesar and P. G. Waldo. 2,482,084, Sept. 20.
Alloy: *See*—
  Copper base alloy.
  Corrosion resistant alloy.
  Hardenable iron alloy.
Alloy and method. W. C. Clarke. 2,482,096–7, Sept. 20.
Alloys, Copper base. J. Sykes. 2,482,225, Sept. 20.
Allyl ester of isopropylidene bis p-phenoxyacetic acid. H. M. Day. 2,482,706, Sept. 20.
Aluminothermic welding. N. G. Carlson. 2,482,093, Sept. 20.
Ammonium sulfate saturator. W. Tiddy. 2,482,643, Sept. 20.
Antenna, Directive microwave. C. B. H. Feldman. 2,482,162, Sept. 20.
Antenna, Radio. C. A. Trowbridge. 2,482,567, Sept. 20.
Antenna system, Directive. C. C. Cutler. 2,482,158, Sept. 20.
Antidetonation system. R. W. Young and G. H. Keller. 2,482,531, Sept. 20.
Apparatus for annealing composite glass articles. R. J. McKenzie, A. B. Scholes, and S. E. Lull. 2,482,734, Sept. 20.
Apparatus for cleaning drains, pipes, conduits, and the like. W. C. Kincaid. 2,482,345, Sept. 20.
Apparatus for providing soft water where no water pressure system exists. E. J. Culligan. 2,482,727, Sept. 20.
Apparatus for refining metals. A. W. Schlechtan, W. J. Kroll, and L. A. Yerkes. 2,482,127, Sept. 20.
Apparatus for selective vapor coating. G. L. Dimmick. 2,482,329, Sept. 20.
Arch fitting. W. A. Meighan. 2,482,426, Sept. 20.
Aviation spark plug adjusting tool. E. A. Call. 2,482,703, Sept. 20.
Bait retainer for fishhooks. A. R. Sigmundi. 2,482,721, Sept. 20.
Ballistoscope. E. R. Mann and S. W. Stanton. 2,482,194, Sept. 20.
Band, Wrist watch. C. H. A. Dewey. 2,482,660, Sept. 20.
Barium halophosphate phosphor. R. S. Wells. 2,482,450, Sept. 20.
Bearing: *See*—
  Sealed sleeve bearing.
Bearing. L. D. Potts. 2,482,205, Sept. 20.
Bearings, Testing. C. L. Stevens and C. J. Moody. 2,482,381, Sept. 20.
Bending apparatus with work holding dies, Tangent. L. B. Green. 2,482,617, Sept. 20.
Beta-cyclohexyl-alpha-alpha - dimethyl - alpha - dimethyl-alpha amino ethane and salts thereof. R. S. Shelton and M. G. Van Campen, Jr. 2,482,377, Sept. 20.
Bicycle and baby carriage, Combination. G. G. Hauptman. 2,482,585, Sept. 20.
Bicycle and frame and parts therefor. J. Fried. 2,482,472, Sept. 20.
Billiard cue lock. J. Bowman. 2,482,240, Sept. 20.
Bis-4-hydroxy-coumarin esters, Manufacturing. J. Rosicky. 2,482,511, Sept. 20.
Bit: *See*—
  Roller bit.
Blade holder. J. T. Urban and A. Batzdorff. 2,482,385, Sept. 20.
Block: *See*—
  Building block.
  Metal sanding block.
Blower, Grain. H. C. Wallace. 2,482,723, Sept. 20.
Blower, Square sided. G. L. Schwarz. 2,482,519, Sept. 20.
Board: *See*—
  Cribbage board.
Bobbin and making same. R. G. Turner. 2,482,446, Sept. 20.
Bonding compositions, Mineral aggregate. A. B. Herzberger and F. J. Gozlow. 2,482,586, Sept. 20.
Bonding machine. B. M. Sweetser. 2,482,133, Sept. 20.
Bowling ball return runway. E. W. Discher. 2,482,250, Sept. 20.
Boxmaking machine. A. L. Rosenmund. 2,482,370, Sept. 20.
Box-stapling machine. A. L. Rosenmund. 2,482,371, Sept. 20.
Bracelet. S. R. Harris and G. Ashman. 2,482,584, Sept. 20.
Brake: *See*—
  Electrohydraulic brake.
  Magnetic brake.
Brake apparatus, Load compensating fluid pressure. E. S. Cook, G. T. McClure, and J. W. Rush. 2,482,246, Sept. 20.
Brake equalizer support. C. L. Orr. 2,482,634, Sept. 20.
Brassière. L. S. Florsheim, Jr. 2,482,255, Sept. 20.
Bridge, Vertical lift. L. H. Shoemaker. 2,482,562, Sept. 20.
Buffing compositions. D. Gray. 2,482,667, Sept. 20.
Building block. V. A. Rigamonti. 2,482,719, Sept. 20.
Building, Metal. S. Korman and M. Harrison. 2,482,624, Sept. 20.
Burner: *See*—
  Oil burner.
  Tipping-off burner.
Burner with integral water-heating device. J. L. Breese and B. Harter. 2,482,649, Sept. 20.
Bus duct. F. Adam. 2,482,310, Sept. 20.
Bushing for toolholders. B. P. Toth. 2,482,603, Sept. 20.
Buttonhole attachment for sewing machines. N. T. Almquist. 2,482,607, Sept. 20.
Cable lock. J. T. White. 2,482,231, Sept. 20.
Caliper, Micrometric. G. S. Geddes. 2,482,411, Sept. 20.
Camera and recording system, Photofinish. J. J. Jones. 2,482,621, Sept. 20.
Camera focusing structure having pivoted supplementary lens. G. J. Arnold. 2,482,571, Sept. 20.
Camera having detachable magazine. G. Rattray and I. W. Doyle. 2,482,596, Sept. 20.
Can: *See*—
  Rubber oil can.
Car: *See*—
  Dumping car.
  Resiliently mounted drop mine car.
Carburetor. J. M. Barr. 2,482,396, Sept. 20.
Carburetor. M. E. Chandler. 2,482,401, Sept. 20.
Carrier: *See*—
  Golf club carrier.
Carrier shift keyer. H. W. Johnson. 2,482,112, Sept. 20.
Cartridge. R. R. Studler, S. Feltman, and C. E. Ballelsen. 2,482,132, Sept. 20.
Cartridge, Toy gun. K. C. Ream. 2,482,436, Sept. 20.
Case: *See*—
  Key case.
  Motion-picture camera case.
Case and making same, Spectacle. E. Nathan. 2,482,500, Sept. 20.
Catalyst preparation. C. J. Wernlund. 2,482,308, Sept. 20.
Cathode-ray projection tube. H. G. Boyle. 2,482,151, Sept. 20.
Cell with mercury absorbent, Primary. S. Ruben. 2,482,514, Sept. 20.
Cementing apparatus, Well. C. E. Burt. 2,482,651, Sept. 20.
Center drawer housing for pedestal type desks. H. W. Deutemeier. 2,482,611, Sept. 20.

Centrifugal homogenizer. H. Becchia. 2,482,235, Sept. 20.
Centrifugal separator with movably supported supply can therefor. W. H. Harstick and O. E. Hints, Jr. 2,482,272, Sept. 20.
Chaff and straw receiver and cocker. A. L. Donogh. 2,482,160, Sept. 20.
Chair: *See*—
Tilting chair.
Change mechanism for duplicating machines, Master sheet. F. R. Ford. 2,482,408, Sept. 20.
Chassis for baby buggies. M. D. Welsh. 2,482,230, Sept. 20.
Check valve and flash arrester, Combination. W. S. Boedecker. 2,482,457, Sept. 20.
Chronographic apparatus and method. H. W. Hoffman and G. E. Helmer. 2,482,184, Sept. 20.
Circuit: *See*—
Oscillation generator control circuit.
Test circuit.
Receiver protection circuit.
Clamp: *See*—
Plunger actuated hold-down clamp.
Clamp. H. W. Ruschmeyer. 2,483,274, Sept. 20.
Clamp for warp tying machines, Loading. C. B. Crandall. 2,482,155, Sept. 20.
Clamped switch. B. Volgovskoy and A. C. Halter. 2,482,305, Sept. 20.
Clamping mechanism, Machine tool. B. R. Purvin. 2,482,126, Sept. 20.
Cleaner: *See*—
Air cleaner.
Stationary filter type suction cleaner.
Clinometer for well bores. J. S. Swearingen. 2,482,224, Sept. 20.
Closure, Heat indicating journal box. K. K. Webber. 2,482,290, Sept. 20.
Clothespin, Safety. G. D. Kunkel. 2,482,625, Sept. 20.
Clutch: *See*—
Hydraulic clutch.
Coaster and tray. J. W. Colflesh, III. 2,482,704, Sept. 20.
Coating and moistening mechanism for duplicating apparatus. E. W. Peterson and J. J. Camphouse. 2,482,636, Sept. 20.
Coatings on magnesium and magnesium-base alloys, Dyed hydrated oxide. H. K. De Long. 2,482,728, Sept. 20.
Code selector. J. A. Brustman. 2,482,242, Sept. 20.
Coil, Interwound. F. D. Kaiser. 2,482,489, Sept. 20.
Coin holder. E. R. Funk, Jr., and E. H. Black. 2,482,258, Sept. 20.
Collector. J. W. McBride. 2,482,355, Sept. 20.
Combined shaving brush and shaving cream dispenser. J. H. Champagne. 2,482,653, Sept. 20.
Combustion apparatus. W. L. Christensen. 2,482,095, Sept. 20.
Composite structure for forming a seal with glass. R. A. Harris and C. C. Patton. 2,482,178, Sept. 20.
Composition for increasing the adhesive power of bitumens and tars. R. Dupas. 2,482,331, Sept. 20.
Compressor. R. E. Lamberton. 2,482,626, Sept. 20.
Compressor construction, Centrifugal. K. A. Browne. 2,482,462, Sept. 20.
Compressor follower for vertical files. O. L. Cleven and L. A. Wilson. 2,482,099, Sept. 20.
Connecting plug. J. M. Rogie. 2,482,214, Sept. 20.
Container for condiments. M. J. Dawson and H. L. Epperly. 2,482,327, Sept. 20.
Control apparatus. E. E. Hewitt and A. G. Larson. 2,482,274, Sept. 20.
Control apparatus. R. R. Stevens and A. G. Larson. 2,482,300, Sept. 20.
Control apparatus, Fluid pressure. R. J. Bush. 2,482,244, Sept. 20.
Control apparatus for reversible internal-combustion engines. R. R. Stevens. 2,482,301, Sept. 20.
Control apparatus, Gunfire. H. F. Vickers. 2,482,699, Sept. 20.
Control circuit for antenna scan systems. B. E. Watt. 2,482,143, Sept. 20.
Control device. F. O. Johnson. 2,482,487, Sept. 20.
Control device, Engine. P. L. Schneider. 2,482,559, Sept. 20.
Control for cigar machine short filler tobacco feeds. S. Clausen. 2,482,465, Sept. 20.
Control for electric motors, Sequential. A. McGillivray. 2,482,496, Sept. 20.
Control mechanism for cooling systems, Flow. R. H. Goddard. 2,482,261, Sept. 20.
Control mechanism for laundry marking machines. W. J. Keuper. 2,482,420, Sept. 20.
Control system. N. D. Cooper. 2,482,101, Sept. 20.
Control system. E. L. Harder and H. M. Rustebakke. 2,482,482, Sept. 20.
Control system. G. E. King. 2,482,492, Sept. 20.
Control system for circuit breakers, Reclosing. C. R. Vrooman. 2,482,524, Sept. 20.
Control system, Fuel-air ratio. S. M. Fairchild. 2,482,254, Sept. 20.
Control system, Heater. V. N. Tramontini. 2,482,565, Sept. 20.
Control system, Motor. C. A. P. Rossignol and P. M. J. S. de Giacomoni. 2,482,513, Sept. 20.
Control system, Train-line. G. R. Purifoy and R. E. Burkhart. 2,482,506, Sept. 20.
Control unit for discharge lamps. R. F. Strickland. 2,482,442, Sept. 20.
Convertible top construction for motor vehicles. H. F. Cromwell and G. R. McCool. 2,482,323, Sept. 20.
Conveyor mechanism, Group arranging. C. E. Melhorn. 2,482,427, Sept. 20.
Cooking machine. M. P. Spartalis. 2,482,601, Sept. 20.
Cooler: *See*—
Milk cooler.
Cooling device, Liquid. D. Smith. 2,482,220, Sept. 20.
Cooling system, Engine. K. A. Browne and W. D. Cannon. 2,482,461, Sept. 20.
Copper base alloy. V. T. Malcolm. 2,482,423, Sept. 20.
Copper plating solution. A. M. Max and C. M. Vance. 2,482,354, Sept. 20.
Corrosion inhibiting composition. K. F. Schiermeier and W. E. Heins. 2,482,517, Sept. 20.
Corrosion resistant alloy. R. W. Thomas. 2,482,382, Sept. 20.
Cotton-picking machine. J. D. Rust. 2,482,216, Sept. 20.
Countersinking tool. R. E. Bayless. 2,482,535, Sept. 20.
Coupling: *See*—
Detachable pipe coupling.
Coupling device, Adjustable. A. E. Dowell, III. 2,482,471, Sept. 20.
Coupling of the longitudinally split, tapered sleeve type, Shaft-pulley. M. F. Dunne. 2,482,662, Sept. 20.
Cradle, Power-operated. B. S. Carruth. 2,482,318, Sept. 20.
Cribbage board. L. L. Colon. 2,482,247, Sept. 20.
Cross-tie and cleat therefor. A. Rosenberg of Michael. 2,482,599, Sept. 20.
Crucible, Melting and drawing. C. R. Stevens. 2,482,299, Sept. 20.
Crusher with pivotally adjustable chute and breaker plates, Reversible. A. W. Lemmon and O. R. Strawn. 2,482,279, Sept. 20.
Crystal mounting. L. L. Dimmick. 2,482,661, Sept. 20.
Cuff, French. R. O. Kennedy. 2,482,671, Sept. 20.
Cutter: *See*—
Paper cutter.
Cutter apparatus, Casing. B. Kriegel. 2,482,674, Sept. 20.
Cutting apparatus, Material. G. W. Soderman. 2,482,379, Sept. 20.
Dampener for servos, Friction flywheel. W. F. Tice. 2,482,134, Sept. 20.
Dental cleansing apparatus, Electrolytic. R. E. Irish. 2,482,486, Sept. 20.
Deoxygenation process. D. L. Baker. 2,482,724, Sept. 20.
Derivatives of the benzotetronic acid and manufacturing same. J. Rosicky. 2,482,510, Sept. 20.
Designs on nonmetallic heat-resisting bases, Production of. F. E. Kerridge. 2,482,547, Sept. 20.
Detachable pipe coupling. A. S. Hamilton, Jr. 2,482,175, Sept. 20.
Detector bar switch lock. W. R. Gracey, Jr. 2,482,267, Sept. 20.
Device for assembling letter sheets and the like. C. A. McKune. 2,482,357, Sept. 20.
Device for controlling the buoyancy of subfloating bodies. R. C. Duncan and A. H. Sellman. 2,482,106, Sept. 20.
Device for filing circular saws. W. G. Shearer. 2,482,694, Sept. 20.
Device for heat-treating magnetic materials. K. W. Pfleger. 2,482,364, Sept. 20.
Device for preventing cinder eruptions from blast furnaces. H. G. Hard. 2,482,709, Sept. 20.
Dial having polarising elements, Illuminated. A. K. Gaetjens. 2,482,410, Sept. 20.
Dicyandiamide and aniline, Reacting. D. W. Jayne, Jr., and H. M. Day. 2,482,710, Sept. 20.
Diolefin-styrene-alkenylethynylcarbinol tripolymers. C. J. Mighton. 2,482,285, Sept. 20.
Discharge circuits for illuminating devices, Electric arc. C. L. Jauss. 2,482,277, Sept. 20.
Discharge device, Electrical. C. B. Horsley. 2,482,275, Sept. 20.
Dispenser: *See*—
Paper dispenser.
Dispensing apparatus. H. S. Childers. 2,482,245, Sept. 20.
Dispensing cart for baking apparatus, Battery. A. Baker. 2,482,146, Sept. 20.
Disposal apparatus, Waste. J. H. Powers. 2,482,124–5, Sept. 20.
Door: *See*—
Elevator shaft door.
Door construction, Metal. K. H. Miller and R. B. Magaw. 2,482,592, Sept. 20.
Dough-mixing machine. T. F. Freed. 2,482,256, Sept. 20.
Doughnut machine, Domestic. S. R. Hall. 2,482,668, Sept. 20.

Drainage system. W. Kjellman. 2,482,673, Sept. 20.
Drainage system for tanks. J. M. Cranmer. 2,482,468, Sept. 20.
Drive and control for wheel chairs, Electric motor. H. R. Peterson and F. H. Jock. 2,482,203, Sept. 20.
Drive for rotary tables. J. V. Davis. 2,482,326, Sept. 20.
Drive mechanism, Locomotive axle. W. A. Brecht. 2,482,459, Sept. 20.
Drive system, Two-speed propeller. K. A. Browne. 2,482,460, Sept. 20.
Driving head for wringers. J. Oakley. 2,482,717, Sept. 20.
Drying oil products and making same. J. B. Rust. 2,482,736, Sept. 20.
Dump car door lock. J. R. Sheesley. 2,482,516, Sept. 20.
Dump grate mechanism. D. J. Mosshart. 2,482,632, Sept. 20.
Dump wagon and elevator, Combined tractor powered. P. R. Gibson. 2,482,413, Sept. 20.
Dumpcart. S. C. Bedell. 2,482,608, Sept. 20.
Dumping car. A. W. Lancaster. 2,482,347, Sept. 20.
Dust collector. C. M. Park. 2,482,362, Sept. 20.
Dynamic braking of series motors. E. B. Ankenman. 2,482,453, Sept. 20.
Dynamoelectric machine. E. C. Watson and A. W. Kimball. 2,482,526, Sept. 20.
Educational apparatus. M. J. Culp. 2,482,658, Sept. 20.
Egg beater. D. C. Hughes. 2,482,787, Sept. 20.
Electric heater. B. J. Graycarek. 2,482,268, Sept. 20.
Electric resistance furnace. G. Turner. 2,482,445, Sept. 20.
Electrical device, Flat tube. E. Lemmers. 2,482,421, Sept. 20.
Electrode connecting pin. V. C. Hamister. 2,482,176, Sept. 20.
Electrohydraulic brake. C. Hollerith. 2,482,732, Sept. 20.
Elevator. E. M. Bouton. 2,482,458, Sept. 20.
Elevator, Grain. L. Dellvuk. 2,482,150, Sept. 20.
Elevator shaft door. J. A. Schweig. 2,482,639, Sept. 20.
Elevator system. H. W. Williams. 2,482,529, Sept. 20.
Embossing of composition surfaced coverings. R. W. Charlton and F. X. Rovito. 2,482,154, Sept. 20.
End-labeling attachment. T. Jensen. 2,482,711, Sept. 20.
Engine. W. N. Wright. 2,482,136, Sept. 20.
Equipment, Parachute. H. G. Rogers and C. C. Kajdan. 2,482,693, Sept. 20.
Eraser for pencils. C. C. Harris. 2,482,273, Sept. 20.
Ethers of polyalkylated cyclic sulfones. R. C. Morris and J. L. Van Winkle. 2,482,631, Sept. 20.
Exchanger, Heat. M. F. Fleitz. 2,482,335, Sept. 20.
Exposure meter having adjustable interconnected photocell shutter and pointer biasing means. F. J. Lingel. 2,482,281, Sept. 20.
Extension table. C. E. Millspaugh. 2,482,358, Sept. 20.
Eye dropper and eyewash cup, Combination. R. H. Okawa. 2,482,431, Sept. 20.
Fabric: *See*—
Pile fabric.
Fabric and making same, Composite pile and nap face. E. K. Flynn. 2,482,581, Sept. 20.
Fan, Axial flow. I. S. Ritter. 2,482,597, Sept. 20.
Fastener unit. D. A. Webster. 2,482,391, Sept. 20.
Fastening device for pump impellers. S. H. Weaver. 2,482,229, Sept. 20.
Feed control, Cloth. F. T. Miller. 2,482,497, Sept. 20.
Feed for writing machines, Paper. L. F. Hageman. 2,482,108, Sept. 20.
Feeder: *See*—
Poultry feeder.
Feeding device, Liquid. R. H. Goddard. 2,482,260, Sept. 20.
Filing system, Phonograph record. R. Avigdor. 2,482,572, Sept. 20.
Filling catcher. C. E. Pelletier. 2,482,363, Sept. 20.
Film strip and picture projecting device, Adjustable. A. A. Gradisar. 2,482,666, Sept. 20.
Films bearing designs, Producing. M. A. Chavannes and A. B. Sherry. 2,482,094, Sept. 20.
Filtering system. O. M. Summers. 2,482,302, Sept. 20.
Fish keeper. E. R. Bennett. 2,482,315, Sept. 20.
Fish lure. L. L. Brandt. 2,482,648, Sept. 20.
Fish lure. L. Cooper. 2,482,466, Sept. 20.
Fish lure, Artificial. E. E. Wilson. 2,482,309, Sept. 20.
Flattening apparatus, Can bodymaker side seam. E. Laxo. 2,482,678, Sept. 20.
Floor covering and composition material therefor. F. Hubert, Jr., and V. A. Kildare. 2,482,185, Sept. 20.
Flow control device for refrigeration apparatus. E. Gygax. 2,482,171, Sept. 20.
Fluid pressure motor. J. W. Rush and A. J. Bent. 2,482,291, Sept. 20.
Flux. R. Andrews. 2,482,533, Sept. 20.
Focusing device for cameras, Manually operable. E. J. Hackethorn. 2,482,107, Sept. 20.
Food grating and shredding device. R. Heard. 2,482,180, Sept. 20.
Foot actuated rotary switch. N. H. Koertge and E. L. Rucks. 2,482,550, Sept. 20.
Force transmitting member. C. F. Bachle. 2,482,312, Sept. 20.
Frame: *See*—
Slotted spectacle frame.
Spectacle frame.
Frame straightener tool. R. D. Smith. 2,482,738, Sept. 20.
Freezing comestibles with compatible solutions. H. A. Noyes. 2,482,202, Sept. 20.
Fuel injection pump. M. L. Johansson. 2,482,733, Sept. 20.
Fuel pump and distributor drive. A. F. Eckert. 2,482,332, Sept. 20.
Furnace: *See*—
Air-heating wall furnace.
Electric resistance furnace.
Fuse. C. B. Winkle. 2,482,135, Sept. 20.
Gaff hook. C. B. Beckwell. 2,482,814, Sept. 20.
Game apparatus, Disk projectile. J. Domingo. 2,482,404, Sept. 20.
Game, Educational. B. Towne. 2,482,227, Sept. 20.
Garment. E. Schlafman. 2,482,295, Sept. 20.
Gas burner with thermocouple. P. L. Bets. 2,482,288, Sept. 20.
Gas burning space heater. T. Y. Korsgren. 2,482,552, Sept. 20.
Gear-operated double-socket wrench. O. D. Veneman. 2,482,387, Sept. 20.
Generator: *See*—
Magneto electric generator.
Signal generator.
Girdle. W. R. Spiess. 2,482,640, Sept. 20.
Glass-metal seals, Making. W. J. Knochel and J. J. Aakjer. 2,482,494, Sept. 20.
Golf club carrier. R. Rossow. 2,482,372, Sept. 20.
Golf playing field. M. B. Reach, Sr., and M. B. Reach, Jr. 2,482,210, Sept. 20.
Governor. R. R. Dulong. 2,482,161, Sept. 20.
Governor apparatus. A. F. Schwendner. 2,482,560, Sept. 20.
Grate, Fire. C. Lux. 2,482,191, Sept. 20.
Grinding machine. P. H. Hutchinson. 2,482,485, Sept. 20.
Grip and control mechanism for bowling. A. A. Zander. 2,482,395, Sept. 20.
Grip on golf clubs. F. Mishkinis. 2,482,120, Sept. 20.
Gripping means for landing fish. H. G. Comstock. 2,482,576, Sept. 20.
Guard for boilers and furnaces, Coke tree preventing. S. Imbrescl. 2,482,417, Sept. 20.
Guard, Window latch. N. O. Holmsten. 2,482,340, Sept. 20.
Guide, Automobile curb. V. Mastromarino. 2,482,630 Sept. 20.
Guide for pile cutting machines, Pile and knife. J. A. Firsching. 2,482,407, Sept. 20.
Guide, Railway truck bolster column. H. H. Shaffer. 2,482,219, Sept. 20.
Hairpin. R. N. Gernheuser. 2,482,259, Sept. 20.
Halogenated phenacylpyridines. J. M. Smith, Jr. 2,482,521, Sept. 20.
Handle attachment or the like. L. H. Flora. 2,482,614, Sept. 20.
Handle for boxes. W. G. Bullock. 2,482,399, Sept. 20.
Handle for screw drivers or the like, Folding. H. R. Land. 2,482,348, Sept. 20.
Handle for utensils and mounting therefor. C. C. Spreen. 2,482,697, Sept. 20.
Hardenable iron alloy. W. C. Clarke. 2,482,098, Sept. 20.
Harvester. A. R. Wurtele. 2,482,530, Sept. 20.
Heald shaft for looms. A. Blickenstorfer. 2,482,149, Sept. 20.
Hearing aid having the amplifier and the batteries contained in a common casing, Wearable electronic. S. Posen. 2,482,288, Sept. 20.
Heater: *See*—
Electric heater.
Gas burning space heater.
Heating device, Hemispherical. W. H. Geyer. 2,482,665, Sept. 20.
Heat-resistant composition. D. V. Sarbach. 2,482,600, Sept. 20.
High-density explosive, Making a. L. F. Audrieth and D. D. Sager. 2,482,089–91, Sept. 20.
High-frequency electrical apparatus. R. N. Hall, A. H. Sharbaugh, and L. Tonks. 2,482,541, Sept. 20.
High-frequency heating apparatus. J. P. Jordan. 2,482,545, Sept. 20.
Hoisting mechanism, Cable actuated. E. V. Findley. 2,482,406, Sept. 20.
Holder: *See*—
Blade holder.
Lipstick holder.
Coin holder.
Piezoelectric crystal holder.
Implement holder.
Key holder.
Saddle stirrup holder.
Holder or guide, File. W. G. Shearer. 2,482,695, Sept. 20.
Holding and mounting device for electric light sockets. H. A. M. and G. E. Conroy. 2,482,656, Sept. 20.
Hole saw, Adjustable. L. A. Smith. 2,482,439, Sept. 20.
Hood, Welder's. F. D. Dalston. 2,482,209, Sept. 20.
Hook: *See*—
Gaff hook.
Housing, Handle switch. C. W. Lanter. 2,482,676, Sept. 20.
Hydraulic clutch. J. A. Bascle. 2,482,313, Sept. 20.

Hydraulic mechanism. F. T. Court. 2,482,249, Sept. 20.
Hydrocarbon conversion. A. H. Schutte. 2,482,139, Sept. 20.
Hydrocarbon conversion. A. H. Schutte. 2,482,140, Sept. 20.
Hydrogen-carbon monoxide gas mixtures, Producing. E. A. Johnson. 2,482,187, Sept. 20.
Icing and glazing machine for bakery products. A. L. Spong. 2,482,563, Sept. 20.
Igniter and flame detector, Combination. T. Y. Korsgren. 2,482,551, Sept. 20.
Implement holder. W. T. Maguire. 2,482,589, Sept. 20.
Implement, Pan scouring. E. W. Worley. 2,482,605, Sept. 20.
Impregnating paper making felts with polyvinyl alcohol containing emulsion. O. W. Berglund. 2,482,237, Sept. 20.
Impregnation of papermakers' felt, Multiple. O. W. Berglund. 2,482,236, Sept. 20.
Inclinometer. T. D. Pennington. 2,482,504, Sept. 20.
Indicator: *See*—
  Pulse code operated electronic range indicator.
Induction apparatus, Electric. F. R. D'Entremont. 2,482,403, Sept. 20.
Insert for bowling balls, Finger hole. H. J. Kramer. 2,482,190, Sept. 20.
Insert for shoes, Removable. J. H. Everston. 2,482,333, Sept. 20.
Installation for well control equipment. J. N. Gregory and L. W. Elder. 2,482,616, Sept. 20.
Instrument having photoelectric cell and recording means for making eye measurements. G. F. Harding. 2,482,669, Sept. 20.
Insulation. C. Well. 2,482,527, Sept. 20.
Internal expansion pipe wrench. J. R. Oravetz. 2,482,501, Sept. 20.
Investing method. J. Frei, Jr. 2,482,257, Sept. 20.
Ironing table and stepladder, Combination. P. Capriotti. 2,482,652, Sept. 20.
Isomerization. J. A. O. Antheaume. 2,482,145, Sept. 20.
Jack: *See*—
  Trench jack.
Jack and control means, Electrical. J. E. Chapman. 2,482,464, Sept. 20.
Jacket for feeding bottles. F. P. Cortese. 2,482,322, Sept. 20.
Joint: *See*—
  Pipe joint.
Key case. B. H. Kaminer. 2,482,623, Sept. 20.
Key holder. E. R. Loew. 2,482,422, Sept. 20.
Key ring with a sliding closure member. H. C. Valsey and F. G. Deming. 2,482,386, Sept. 20.
Keyboard and soft pedal action, Piano. A. H. Howe. 2,482,619, Sept. 20.
Knuckle, Pin-geared. R. G. Hilton and B. C. Highsaw. 2,482,415, Sept. 20.
Laminates embodying mixed phenol-arylamine-formaldehyde resinous products. F. J. Nagel. 2,482,499, Sept. 20.
Lamp for series service, Incandescent electric. C. M. Rively and K. G. Crocker. 2,482,509, Sept. 20.
Lamp manufacture, Electric. J. A. M. van Liempt and J. Bergmans. 2,482,447, Sept. 20.
Landing net, Closable mouth. A. Crot. 2,482,157, Sept. 20.
Lantern, Headlight. C. S. Packer and M. R. Olsen. 2,482,287, Sept. 20.
Lever operated control switch. R. Pratt. 2,482,206, Sept. 20.
Lift, Power. F. T. Court. 2,482,657, Sept. 20.
Lifting apparatus. H. C. Reichardt. 2,482,211, Sept. 20.
Lighter, Cigarette and pipe. E. A. Holland. 2,482,416, Sept. 20.
Lighting unit, Photographic. E. B. Noel. 2,482,430, Sept. 20.
Limb, Artificial. J. Otterman. 2,482,555, Sept. 20.
Line fastener and tightener. B. Martin. 2,482,282, Sept. 20.
Linearizing system, Sawtooth current. C. V. Bocciarelli. 2,482,150, Sept. 20.
Lining for vessels, etc. L. H. Hosbein. 2,482,618, Sept. 20.
Lipstick holder. H. F. Reichenbach. 2,482,368, Sept. 20.
Liquid injection apparatus, Antidetonant. D. E. Dahle. 2,482,102, Sept. 20.
Loader for tractors. S. S. Pokorny. 2,482,365, Sept. 20.
Loader, Shovel. E. A. and E. R. Drott. 2,482,612, Sept. 20.
Lock: *See*—
  Billiard cue lock. Dump car door lock.
  Cable lock. Pump lock.
  Detector bar switch lock. Slide bolt lock.
Lock for work supports of fastening-inserting machines. J. F. Standish. 2,482,131, Sept. 20.
Locking means for camera focusing mechanisms, Cam operated. A. E. Little. 2,482,629, Sept. 20.
Long draft aprons, Making. B. R. Billmeyer. 2,482,702, Sept. 20.
Lubricating means for bearings and spindles or shafts. E. Bugatti. 2,482,536, Sept. 20.
Lubricating means for comb bars and bobbin shuttles for lace looms. E. M. Medbery. 2,482,425, Sept. 20.
Machine for making and applying ornamental devices. C. Bustamante. 2,482,537, Sept. 20.
Machine for making corrugated paper. B. W. Langston. 2,482,627, Sept. 20.
Machine for tamping ballast. F. H. Philbrick. 2,482,123, Sept. 20.
Machine for the wet treatment of textile materials or the like. M. Cassé. 2,482,319, Sept. 20.
Machine for trimming branches from standing trees. R. E. Whitaker. 2,482,392, Sept. 20.
Magnetic brake. A. E. Miller. 2,482,428, Sept. 20.
Magnetic compass mounting. R. Musal. 2,482,688, Sept. 20.
Magneto electric generator. G. Girard. 2,482,476, Sept. 20.
Magnetron. A. H. Laidig. 2,482,495, Sept. 20.
Malaxator. V. Dachkévitch. 2,482,324, Sept. 20.
Manostat, Industrial. R. Gilmont. 2,482,167, Sept. 20.
Measuring apparatus, Resistance. R. B. Marye. 2,482,196, Sept. 20.
Mechanism for producing intermittent rotary motion. G. S. Tarry. 2,482,722, Sept. 20.
Mechanism providing a ram jet engine with a pilot flame and with a drive for its auxiliary equipment. E. F. Pierce. 2,482,505, Sept. 20.
Merocyanines and their preparation. A. W. Anish. 2,482,532, Sept. 20.
Metal sanding block. R. R. Kent. 2,482,344, Sept. 20.
Meter stop. L. W. Mueller. 2,482,686, Sept. 20.
Metering circuit for X-ray machines. L. L. Weisglass. 2,482,604, Sept. 20.
Method and apparatus for making rugs. R. R. Cone. 2,482,655, Sept. 20.
Method and apparatus for producing hollow articles of rubbery materials. W. L. Jenkins. 2,482,418, Sept. 20.
Method of and apparatus for cutting metal. H. W. Jones and J. H. Bucknam. 2,482,188, Sept. 20.
Method of and apparatus for receiving radio signals. R. T. Killman and F. W. Beesley. 2,482,549, Sept. 20.
Methylol melamine resins, Modified. S. H. Rider. 2,482,508, Sept. 20.
Microorganisms, Destroying. H. C. Rentschler and R. Nagy. 2,482,507, Sept. 20.
Milk cooler. G. R. Duncan. 2,482,579, Sept. 20.
Milker, Portable. A. I. Terpening. 2,482,602, Sept. 20.
Milling machine. W. Dzus. 2,482,729, Sept. 20.
Moisturizer for carburetors. G. Miller. 2,482,200, Sept. 20.
Mold for forming ornamental plastic buttonhole casings. I. Botwinick. 2,482,239, Sept. 20.
Molding apparatus. L. S. Hubbert and H. J. Miller. 2,482,342, Sept. 20.
Molding device with self-binding separator, Injection. C. W. Burnham. 2,482,243, Sept. 20.
Molding press. K. W. Hall. 2,482,338, Sept. 20.
Mop having steel and fibrous pads, Dual-purpose. W. S. Finnell. 2,482,163, Sept. 20.
Motion-picture apparatus of the optical compensating type. L. W. McGinty. 2,482,197, Sept. 20.
Motion-picture camera case. C. W. Coon. 2,482,248, Sept. 20.
Motion-translating device, Rotary. A. B. Poole. 2,482,434, Sept. 20.
Motor: *See*—
  Fluid pressure motor.
Motor. L. A. Kilgore. 2,482,491, Sept. 20.
Motor operated valve. E. G. Miller and R. E. Engberg. 2,482,199. Sept. 20.
Mounting: *See*—
  Aerial mounting. Magnetic compass mounting.
  Crystal mounting.
Mounting for propellers, Blade. C. R. Sacchini. 2,482,217, Sept. 20.
Mounting having telescopically secured brace arms, Spectacle. L. L. Gagnon. 2,482,664, Sept. 20.
Mounting means for the fixed ironing element of ironing machines. H. A. Sperlich. 2,482,380, Sept. 20.
N-substituted aromatic sulfonamide polymers. W. I. Weaver and L. M. Hobbs. 2,482,389, Sept. 20.
Natural casings, Manufacturing of. J. Gomeck. 2,482,731, Sept. 20.
Navigation instrument. T. McConnell. 2,482,424, Sept. 20.
Navigational system. L. G. Duggar. 2,482,105, Sept. 20.
Net, Fish landing. G. R. Oathout. 2,482,718, Sept. 20.
Notching machine. G. H. Norquist. 2,482,121–2, Sept. 20.
Oarlock. K. E. F. Olsson. 2,482,432, Sept. 20.
Oil burner. P. K. Russell. 2,482,215, Sept. 20.
Operating means for electrically driven textile machines. E. Törnros. 2,482,443, Sept. 20.
Optical comparison hemoglobinometer having a reflector supporting transverse partition. M. G. Brown and H. F. Lundberg. 2,482,650, Sept. 20.
Optical lens means having a nonspherical refracting surface. E. D. Tillyer. 2,482,698, Sept. 20.
Optical projection system for projecting tool and cutter profiles. E. F. Haracz. 2,482,480, Sept. 20.
Optical system with cylindrical screen and stop means, Image-projection. E. H. Traub. 2,482,566, Sept. 20.
Oscillation generator control circuit. L. A. King. 2,482,493. Sept. 20.
Overalls. H. Lang. 2,482,349, Sept. 20.

Oxygenated compounds and liquid hydrocarbons from hydrocarbon gases, Production of. V. F. Michael and J. A. Phinney. 2,482,284, Sept. 20.
Package filling mechanism, Ice-cream. F. D. Palmer. 2,482,593, Sept. 20.
Packet, Safety match. A. E. Konen and S. K. Warner. 2,482,189, Sept. 20.
Pad: *See*—
  Press pad. Surgical breast pad.
Padlock. L. E. Harbison. 2,482,177, Sept. 20.
Panel for fiasher casings or the like, Back. R. R. Goshorn. 2,482,266, Sept. 20.
Panel with mounting means, Plastic. T. L. Hibbard and M. Jovanovich. 2,482,339, Sept. 20.
Paper cutter. R. J. Matthews. 2,482,118, Sept. 20.
Paper dispenser. W. E. Mell. 2,482,714, Sept. 20.
Pedal actuated electric switch. W. C. Furnas and E. B. Schumacher. 2,482,540, Sept. 20.
Perforating device, Paper. S. Segal. 2,482,218, Sept. 20.
Phenol-amine-formaldehyde resin. F. J. Nagel. 2,482,498. Sept. 20.
Phenol-formaldehyde resinous products, Odorless. J. J. Wachter. 2,482,525, Sept. 20.
Phenolic materials from lignin, Preparing. I. A. Pearl and L. E. Wise. 2,482,594, Sept. 20.
Phenoxyalkylamines as accelerators for photographic developers. F. J. Kaszuba. 2,482,546, Sept. 20.
Phonograph, Automatic. J. A. Davis and I. Gil. 2,482,659, Sept. 20.
Phonograph pickup. R. F. Corbett. 2,482,467, Sept. 20.
Phosphoric acid solution, Inhibited. F. E. Dolian. 2,482,104, Sept. 20.
Photographic accessory. B. C. Hamilton. 2,482,479, Sept. 20.
Photographic apparatus, Continuous motion. W. H. Harrison. 2,482,179, Sept. 20.
Photogravure. O. R. Schultz, R. F. Nestle, and M. J. Romano. 2,482,638, Sept. 20.
Piano, Electric. F. Kerkhof. 2,482,548, Sept. 20.
Picker, Prune. J. M. Traverso. 2,482,383, Sept. 20.
Piezoelectric crystal holder. J. B. Adams, Jr. 2,482,451, Sept. 20.
Piezoelectric crystal unit. F. W. Flynn. 2,482,730, Sept. 20.
Pile fabric. W. N. Moore. 2,482,682, Sept. 20.
Pile fabric, Forming. W. N. Moore. 2,482,683, Sept. 20.
Pilot for horizontal pot burners. H. A. Yauger and G. W. Goette. 2,482,700, Sept. 20.
Pin: *See*—
  Electrode connecting pin.
Pipe joint. V. V. Scaringella. 2,482,558, Sept. 20.
Pitot head. R. L. Anderson. 2,482,701, Sept. 20.
Plastic coated wood propellers or impellers, Manufacturing M. M. Sensenich. 2,482,375, Sept. 20.
Pliers, Cam operated. O. V. Malmquist. 2,482,193, Sept. 20.
Plow, Fire line. J. E. Black. 2,482,456, Sept. 20.
Plug: *See*—
  Connecting plug.
Plunger actuated hold-down clamp. R. E. Gordinier. 2,482,708, Sept. 20.
Polyallyl naphthenate. D. E. Adelson and H. Dannenberg. 2,482,606, Sept. 20.
Polyester amide resin solution containing mixed solvents. F. A. Sattler. 2,482,515, Sept. 20.
Polymerization of styrene and mono-allyl maleate. N. C. Foster. 2,482,087, Sept. 20.
Portable tool. W. H. Grafe. 2,482,582. Sept. 20.
Poultry feeder. P. W. Lamb. 2,482,675. Sept. 20.
Power drive connection, Detachable. R. D. Downing and C. D. Prosser. 2,482,251, Sept. 20.
Power transmission mechanism. B. E. Hill. 2,482,110, Sept. 20.
Precoiled helical fins, Making. E. Bruegger. 2,482,241, Sept. 20.
Preparing phthalocyanines containing ternary sulfonium salt groups. N. H. Haddock and C. Wood. 2,482,172, Sept. 20.
Press: *See*—
  Air-operated press. Wool press.
  Molding press.
  Shock cushioning pneumatic press.
Press pad. M. Gershon. 2,482,412, Sept. 20.
Prevention of ice formation in air intakes on aircraft and other fast-moving vehicles. H. Sammons. 2,482,720, Sept. 20.
Printing arrangement for merchandising control systems. R. H. Halvorsen. 2,482,271, Sept. 20.
Printing machine, Tape. E. M. Hanrahan and W. A. Mertins. 2,482,542, Sept. 20.
Process and apparatus for converting hydrocarbons. A. H. Schutte. 2,482,137, Sept. 20.
Projector and system, Optical. J. P. Laird, Jr. 2,482,115, Sept. 20.
Projector, Ball. R. Richards. 2,482,437, Sept. 20.
Protecting device for electrical terminals. J. Schneider-Mertins. 2,482,542, Sept. 20.
Protective garment. C. L. Henninger. 2,482,182, Sept. 20.
Protector: *See*—
  Wall protector.
Provitamin A. H. G. and W. H. Petering. 2,482,635, Sept. 20.
Pulse code operated electronic range indicator. A. B. Jacobsen. 2,482,544, Sept. 20.
Pump: *See*—
  Fuel injection pump.
  Rotary internal gear pump.
Pump lock. R. St. J. Orr. 2,482,502, Sept. 20.
Quick disconnect. J. R. Sabbia. 2,482,292, Sept. 20.
Radiator construction. L. H. Plum. 2,482,595, Sept. 20.
Ratchet mechanism for timepieces. A. B. Poole. 2,482,435, Sept. 20.
Razor, Safety. H. B. Carter. 2,482,152, Sept. 20.
Reactivating a copper catalyst by treating with sodium chloride solution. W. W. Riches. 2,482,289, Sept. 20.
Reactor for thermal conversion of hydrocarbons. A. H. Schutte. 2,482,138, Sept. 20.
Receiver protection circuit. R. F. Schmid. 2,482,128, Sept. 20.
Receiver, Radiant energy. G. V. Rylsky. 2,482,440, Sept. 20.
Recording and projecting apparatus. J. H. Kiel. 2,482,672, Sept. 20.
Recording and reproducing device, Combined. W. K. Rieber. 2,482,212, Sept. 20.
Recovery of the constituents of gaseous mixtures. C. C. Van Nuys. 2,482,304, Sept. 20.
Reduction of viscosity of molten sulfur by means of phenolic compounds. L. F. Marek and A. Bogrow. 2,482,590, Sept. 20.
Reduction of viscosity of molten sulfur by means of resin acids. A. Bogrow and A. R. Johnson. 2,482,574, Sept. 20.
Reflecting surface replica. P. A. Roos. 2,482,598, Sept. 20.
Reflector, Lantern. J. D. Jackson and R. D. Davidson. 2,482,543, Sept. 20.
Refrigerating means, Two-temperature. M. H. Strang and R. J. Burger. 2,482,222, Sept. 20.
Refrigerating system, Two-temperature. E. W. Zearfoss, Jr. 2,482,569, Sept. 20.
Regulating system. R. A. Geiselman. 2,482,474, Sept. 20.
Regulating system. W. R. Harris and C. F. Wagner. 2,482,483, Sept. 20.
Regulating system, Voltage. L. G. Tubbs. 2,482,522, Sept. 20.
Regulator: *See*—
  Voltage regulator.
Regulator system. E. L. Harder. 2,482,481, Sept. 20.
Reinforced plastic products, Making. D. Finlayson and H. Crawshaw. 2,482,164, Sept. 20.
Relay, Electronic. E. R. Mickle. 2,482,553, Sept. 20.
Relay, Induction type time-delay. H. J. Carlin and B. V. Hoard. 2,482,463, Sept. 20.
Relay system, Time delay electrical. W. H. Blankmeyer. 2,482,397, Sept. 20.
Release mechanism, Pressure. C. C. Kinker. 2,482,346, Sept. 20.
Rennet paste, Manufacture of. E. C. Scott and G. W. McDonald. 2,482,520, Sept. 20.
Resilient target. R. L. Barker. 2,482,234, Sept. 20.
Resiliently mounted drop bottom mine car. H. H. Pancake. 2,482,503, Sept. 20.
Resinous compositions and preparing same. D. E. Edgar. 2,482,252, Sept. 20.
Resinous compositions and use thereof in forming electrical members and laminated products. N. C. Foster. 2,482,086, Sept. 20.
Resistance unit, Lamella. S. A. Bocking. 2,482,316, Sept. 20.
Resonator device, Concentric line cavity. D. Alpert. 2,482,452, Sept. 20.
Retriever, Golf ball. W. C. Sandor. 2,482,294, Sept. 20.
Return playing-surface game apparatus. D. M. Gill. 2,482,336, Sept. 20.
Rifle. A. Blanton, O. H. and E. R. Howard. 2,482,398, Sept. 20.
Ring: *See*—
  Piston ring.
Roll, Beater. D. E. Jones. 2,482,712. Sept. 20.
Roller bit. J. S. Goodwin. 2,482,263, Sept. 20.
Roof for vehicles, Sliding. H. Mobbs and G. H. Smith. 2,482,429, Sept. 20.
Rope splice, Wire. V. C. J. Peterson. 2,482,204. Sept. 20.
Rotary internal gear pump. W. Jones. 2,482,713, Sept. 20.
Rounding machine. C. W. Baker. 2,482,092. Sept. 20.
Routing machine. W. F. Huck. 2,482,620, Sept. 20.
Rubber oil can. L. C. Tullgren and J. Bonkiewiez, Jr. 2,482,384, Sept. 20.
Saddle, Hand. R. A. MacDonald. 2,482,192, Sept. 20.
Saddle stirrup holder. N. Cavin. 2,482,153, Sept. 20.
Safety device for hydraulic brake systems. F. H. Derry and L. Hammett. 2,482,328, Sept. 20.
Safety release, Trip rope. D. L. Deems and M. H. Welsh. 2,482,538, Sept. 20.
Sanitary plumbing. J. F. Molloy. 2,482,359. Sept. 20.
Scoop attachment for industrial trucks. L. L. Quales and J. F. Hasler. 2,482,692. Sept. 20.
Scoop, Tractor-mounted material. C. W. Mott. 2,482,286, Sept. 20.

Scorekeeper, Cribbage. N. C. Fetter. 2,482,663, Sept. 20.
Scraper construction, Drag. H. J. Clemmer. 2,482,320, Sept. 20.
Screw driver set, Thimble. J. A. Lenis. 2,482,350, Sept. 20.
Seal, Water pump. K. B. Gillespie. 2,482,414, Sept. 20.
Sealed sleeve bearing. R. W. Schuck. 2,482,518, Sept. 20.
Sealing machine, Vacuum. S. H. Berch. 2,482,609, Sept. 20.
Sealing ring for centrifugal devices. R. D. Acton. 2,482,570, Sept. 20.
Sectional cabinet structure. E. C. Hake. 2,482,174, Sept. 20.
Securing means for demountable wheels. C. W. Sinclair. 2,482,378, Sept. 20.
Securing means for electrical high-vacuum vessels. G. J. Persson. 2,482,433, Sept. 20.
Self-aligning poppet valve. C. J. Strid and J. R. Blake. 2,482,223, Sept. 20.
Self-sealing oil tank. S. Potters. 2,482,366, Sept. 20.
Separation of cotton seed, Heavy gravity liquid. C. H. Boatner, C. M. Hall, and A. L. Merrifield. 2,482,141, Sept. 20.
Separation of the constituents of air. C. C. Van Nuys. 2,482,303, Sept. 20.
Separator. S. G. Sylvan. 2,482,642, Sept. 20.
Septic tank. G. L. Loelkes. 2,482,353, Sept. 20.
Service apparatus, Water. J. T. McGarry. 2,482,283, Sept. 20.
Service T. F. H. Mueller and J. J. Smith. 2,482,687, Sept. 20.
Sharpener, Pencil. L. P. Heiman. 2,482,183, Sept. 20.
Sharpener, Scraper. G. W. Jerrells. 2,482,419, Sept. 20.
Sharpening unit. S. G. Nichols. 2,482,633, Sept. 20.
Sheet movement responsive counting device. W. R. Mulquin. 2,482,201, Sept. 20.
Shield, Tuyère. E. C. Miller. 2,482,715, Sept. 20.
Shifter for projectors, Slide. V. E. Leas. 2,482,117, Sept. 20.
Shock absorber for cable tool drilling machines. N. N. Labounsky. 2,482,114, Sept. 20.
Shock cushioning pneumatic press. S. Lerma. 2,482,280, Sept. 20.
Signal and reminder, Automatic. H. J. Fowler. 2,482,615, Sept. 20.
Signal generator. W. R. Flatford. 2,482,165, Sept. 20.
Signaling apparatus, Railway. C. B. Shields. 2,482,296, Sept. 20.
Sinker, Slip fishline. J. W. Ingleton. 2,482,343, Sept. 20.
Slab for building purposes, Wooden. U. I. S. Edlund. 2,482,405, Sept. 20.
Sled. C. I. Nelson. 2,482,554, Sept. 20.
Slicing machine. G. W. and J. R. Urschel. 2,482,523, Sept. 20.
Slide bolt lock. N. O. Holmsten. 2,482,341, Sept. 20.
Slide, Playground. S. J. Podvinecz and W. J. Papa. 2,482,637, Sept. 20.
Slip handling apparatus. W. T. Harrison. 2,482,109, Sept. 20.
Slotted spectacle frame. S. Allen. 2,482,144, Sept. 20.
Snag puller and tackle saver. E. A. Noelcke. 2,482,716, Sept. 20.
Snowplow structure. J. R. Ritchie. 2,482,213, Sept. 20.
Spectacle frame. T. Martin. 2,482,195, Sept. 20.
Spinner, Steering wheel. L. H. Stites. 2,482,641, Sept. 20.
Spring assembly, Belleville. J. W. Wells. 2,482,449, Sept. 20.
Springs, joints, and the like. M. F. A. Julien. 2,482,488, Sept. 20.
Sprue for centrifugal molds. F. B. Litton. 2,482,352, Sept. 20.
Stabilized system. R. Rudin. 2,482,373, Sept. 20.
Staple driving machine. G. A. Crosby and A. I. Ericsson. 2,482,156, Sept. 20.
Starting apparatus, Engine. J. E. Antonidis. 2,482,534, Sept. 20.
Stationary filter type suction cleaner. W. I. Gage. 2,482,186, Sept. 20.
Steam production in jacketed combustion chambers. R. H. Goddard. 2,482,262, Sept. 20.
Stem, Air bag. J. C. Crowley. 2,482,469, Sept. 20.
Stems for electric lamps, Making. E. Mickley. 2,482,119, Sept. 20.
Steriliser, Clipper. S. Waraner. 2,482,388, Sept. 20.
Stoker motor control responsive to space and combustion temperature conditions, Automatic. J. M. Wilson. 2,482,739, Sept. 20.
Stopper, Pipe-line. M. D. Smith and G. F. Freer. 2,482,696, Sept. 20.
Straight edge device for determining angles between cylinders and the like. W. K. Moore. 2,482,360, Sept. 20.
Stretcher, Rug. G. L. Huff. 2,482,186, Sept. 20.
Structural material of compressed resin impregnated paper sheets. G. H. Chidester, P. K. Baird, G. E. Mackin, F. A. Simmonds, C. O. Seborg, M. W. Bray, and J. N. McGovern. 2,482,142, Sept. 20.
Styrene and its derivatives, Making. W. M. Quattlebaum, Jr., and W. J. Toussaint. 2,482,208, Sept. 20.
Styrene and substituted styrenes, Making. W. M. Quattlebaum, Jr. 2,482,207, Sept. 20.
Sulfathiasoles. Preparation of. M. N. Dvornikoff. 2,482,085, Sept. 20.
Support: *See*—
Brake equalizer support.
Surgical breast pad. A. Silverman. 2,482,297, Sept. 20.
Suspension for road-rail vehicles, Guide wheel. R. C. Townsend. 2,482,564, Sept. 20.
Swabber, Well. E. W. Bailey. 2,482,455, Sept. 20.
Switch: *See*—
Clamped switch. Pedal actuated electric switch.
Foot actuated rotary switch.
Lever operated control switch.
Synchronizing apparatus, Alternating current. M. Toussaint. 2,482,444, Sept. 20.
Synchronizing system, Impulse motor. H. C. Roters. 2,482,290, Sept. 20.
Synthetic elastomer latices, Processing of. H. W. Walker and R. W. Morrow. 2,482,307, Sept. 20.
Synthetic resin structure, Glazed. D. Gonda. 2,482,265, Sept. 20.
Syringe. F. S. Parrigin. 2,482,361, Sept. 20.
Table: *See*—
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Tank: *See*—
Self-sealing oil tank. Septic tank.
Target unit, Flying. L. A. Skinner. 2,482,130, Sept. 20.
Telegraph system. M. T. Goetz. 2,482,264, Sept. 20.
Telephone handset, Electrodynamic. C. Beckman and I. Zambakian. 2,482,148, Sept. 20.
Teleseismic detecting, signaling, and recording. R. L. Arringdale. 2,482,233, Sept. 20.
Television receiver horizontal deflection. H. Shaw. 2,482,737, Sept. 20.
Tentering machine. J. A. Grundy. 2,482,270, Sept. 20.
Test circuit. H. D. Hagstrum. 2,482,173, Sept. 20.
Testing apparatus for elastomeric material. H. H. Bashore. 2,482,147, Sept. 20.
Testing crease resistance, Method of and device for. R. D. De Waard and C. R. Stock. 2,482,470, Sept. 20.
Tetraalkylsilicates, Solutions of. H. R. Moulton. 2,482,684, Sept. 20.
Thermodynamic properties of fluids, Determining. A. Meyerhoff. 2,482,591, Sept. 20.
Thermometer. R. C. Wappner. 2,482,228, Sept. 20.
Thermoplastic polysiloxanes, Preparation of. J. F. Hyde and W. H. Daudt. 2,482,276, Sept. 20.
Thermostatic device. J. O. Yelda. 2,482,282, Sept. 20.
Thread control system for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,690, Sept. 20.
Thread remover for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,691, Sept. 20.
Thread system for weft replenishing looms, Pneumatic. G. N. Peterson. 2,482,689, Sept. 20.
3,3'-carboxy-methylenebis-(4-hydroxy-coumarin) compounds for the reduction of the prothrombin level, Manufacturing. J. Rosický and K. Fucik. 2,482,512, Sept. 20.
Through conduit gate valve. J. M. Fowler. 2,482,409, Sept. 20.
Tie tamping or ballasting machine. C. Jackson. 2,482,111, Sept. 20.
Tilting chair. J. J. Waldheim. 2,482,306, Sept. 20.
Time delay and brake resetting mechanism. R. B. Cotton. 2,482,705, Sept. 20.
Tipping-off burner. P. O. Cartun. 2,482,400, Sept. 20.
Tire and tire rim, Pneumatic. E. Sokolik. 2,482,221, Sept. 20.
Tone unit. O. D. Grandstaff. 2,482,478, Sept. 20.
Tongue depressor. C. R. Lanahan. 2,482,116, Sept. 20.
Tool: *See*—
Aviation spark plug adjusting tool. Frame straightener tool.
Countersinking tool. Portable tool.
Torque measuring device, Electrical. F. W. Godsey, Jr. 2,482,477, Sept. 20.
Toy. R. A. Fernald. 2,482,334, Sept. 20.
Toy blocks, Educational. J. N. Corcodilos. 2,482,402, Sept. 20.
Traffic directing device for garages, Automatic. P. H. Burn. 2,482,610, Sept. 20.
Transformer system, Tap changing. N. Sjöberg. 2,482,441, Sept. 20.
Transmission. G. H. Stegkemper. 2,482,298, Sept. 20.
Transmission, Change-speed. O. H. Banker. 2,482,573, Sept. 20.
Trap. W. C. Bailey. 2,482,454, Sept. 20.
Trap for ventilating exhaust stacks, Rain. R. E. Dahlstrom. 2,482,577, Sept. 20.
Treating clubfeet. P. R. Brachman and O. C. Sonntag. 2,482,646, Sept. 20.
Trench jack. J. J. Ravers, Jr. 2,482,367, Sept. 20.
Trimming machine, Three-knife. C. L. Moyer. 2,482,685, Sept. 20.
Tube: *See*—
Cathode-ray projection tube.
Tube mechanism with vibrating tool, Sealer. R. L. Kaas. 2,482,490, Sept. 20.
Tufting machine. R. H. Bradwell and J. D. Brock. 2,482,647, Sept. 20.
Tuner, Ultra high frequency. F. Wilburn. 2,482,393, Sept. 20.
Tuning mechanism. K. L. Henderson. 2,482,181, Sept. 20.

Turbine, Gas. E. T. Wyman. 2,482,394, Sept. 20.
Twisting device, Double-twist. J. K. Cochran and J. Pfister. 2,482,654, Sept. 20.
Typing reperforator. A. P. Di Gregorio. 2,482,103, Sept. 20.
Unit strip assemblies, Manufacture of. A. L. Erickson. 2,482,613, Sept. 20.
Uterine cannula, Self-retaining. E. Kahn. 2,482,622, Sept. 20.
Vacuum cleaner converter arrangement. P. T. Hahn. 2,482,337, Sept. 20.
Valve: *See*—
Motor operated valve. Through conduit gate valve.
Self-aligning poppet valve.
Valve mechanism, Can tester. E. Laxo. 2,482,677, Sept. 20.
Valve structure. J. F. Melichar. 2,482,198, Sept. 20.
Vanadium-bearing ores, Treatment of. R. Asak. 2,482,311, Sept. 20.
Vase. W. E. Koerner. 2,482,278, Sept. 20.
Vehicle truck and body interlock. F. P. Grutzner. 2,482,168, Sept. 20.
Vent, Core. C. A. Dudzinski. 2,482,330, Sept. 20.
Vent, Core box. P. B. Copeland and H. L. Morris. 2,482,321, Sept. 20.
Ventilator, Crankcase. L. K. Thome. 2,482,226, Sept. 20.
Venturi construction, Double-boost. F. J. Wiegand and R. W. Scott. 2,482,528, Sept. 20.
View finder for cameras, Parallax compensating. A. E. Little. 2,482,628, Sept. 20.
Vine turner. C. T. McCready. 2,482,356, Sept. 20.
Vinyl ether and its homologues, Production of. P. L. Bramwyche and M. Mugdan. 2,482,725, Sept. 20.
Vitreous product, Making fired. H. R. Feichter. 2,482,580, Sept. 20.
Voltage control for ship propulsion, Variable. E. H. Hornbarger and W. Schaelchlin. 2,482,484, Sept. 20.
Voltage regulator. R. G. Le Tourneau. 2,482,588, Sept. 20.
Voltage two-tone source. E. R. Shenk. 2,482,561, Sept. 20.
Vulcanized polymers of chloroprene. P. A. Sanders. 2,482,298, Sept. 20.
Waistband in pajama trousers, Adjustable. S. Wilker. 2,482,644, Sept. 20.
Wall protector. H. O. Serkland. 2,482,376, Sept. 20.
Wall, Simulated masonry. F. P. Petras. 2,482,556, Sept. 20.
Watch crown, Waterproof. C. B. Greenberg. 2,482,583, Sept. 20.
Welding apparatus, Arc. K. N. Fromm. 2,482,473, Sept. 20.
Wick, Capillarity controlled. J. D. Rust. 2,482,557, Sept. 20.
Winding device for watches, Tight. E. Borer. 2,482,317, Sept. 20.
Window construction. E. F. Gaines and W. C. Lippert. 2,482,707, Sept. 20.
Window sill construction. F. Gunnison. 2,482,170, Sept. 20.
Wool press. F. C. McNamara. 2,482,680–1, Sept. 20.
Wool, Treatment of. R. H. Doggett and A. R. Johnson. 2,482,578, Sept. 20.
Workpiece support, especially for use with processing equipment for containers, Tilting. G. J. Grimes. 2,482,269, Sept. 20.
Wrench: *See*—
Gear-operated double-socket wrench. Internal expansion pipe wrench.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 20, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1949

September 27, 1949 Volume 626 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Condition of Applications Under Examination at Close of Business Sept. 9, 1949

Total number of patent applications awaiting action, 146,510. Date of oldest new application, Nov. 10, 1947; date of oldest amended application, June 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-18-48	11-17-47	2850
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	6-22-48	8-8-47	2636
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-3-49	3-6-49	863
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-26-48	9-9-47	2961
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	10-23-48	1-13-48	1373
6. SURLE, H., Carbon Chemistry (part)	12-8-48	8-7-48	1739
7. HANLIN, GEORGE, Optics; Photographic Apparatus	12-31-48	9-22-48	1335
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-21-48	10-1-47	3018
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-21-48	12-15-47	2203
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	9-11-48	9-2-48	1401
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-20-48	1-13-48	2035
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-7-48	12-4-47	1837
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-9-47	12-6-47	1913
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	11-29-48	8-2-48	1249
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-6-48	6-7-48	1817
16. LOVEWELL, N. N., Television; Telephony	12-11-48	8-12-48	1399
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-13-48	6-2-47	2337
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	7-12-48	2-9-48	2433
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-2-48	5-11-48	1601
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	9-2-48	2-9-48	2057
21. MADER, R. C., Textiles	7-14-48	6-1-48	1354
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	1-24-48	12-8-47	1619
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-18-48	3-10-48	1073
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-1-48	10-1-48	2338
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-6-48	3-11-48	1604
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	12-17-48	8-10-48	1118
27. JAMES S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	5-3-48	9-15-47	3229
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-3-48	3-9-48	1911
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-19-48	1-13-48	3251
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	12-14-48	11-27-48	1690
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-20-48	12-20-48	2137
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-3-48	5-6-48	1723
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements.	3-8-48	1-22-48	3055
34. SAPERSTEIN, A., Railways; Draft Appliances, Switches and Signals, Surface Tracks and Rolling Stock; Track Sanders; Signals and Indicators.	7-24-48	5-15-48	1173
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	6-14-48	6-9-47	3782
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-48	7-26-47	2006
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-10-48	6-15-48	1225
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	11-8-48	8-25-48	1642
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	6-24-48	9-11-47	3082
40. DRUMMOND, E. J., Receptacles (part); Packages	11-12-48	1-16-48	3418
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-12-48	9-8-47	2245
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	1-13-49	1-27-49	909
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	9-17-48	1186
44. HARVEY, L. P., Beds; Chairs, Seats	1-26-48	9-18-47	2262
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	11-8-48	1-7-48	2548
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	4-28-48	12-16-47	1692

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 146,510. Date of oldest new application, Nov. 10, 1947; date of oldest amended application, June 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	12-7-48	5-5-48	2045
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-10-48	5-10-48	1426
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	5-17-48	3-10-48	2256
50. LEVIN, SAMUEL, Synthetic Resins	1-5-49	10-8-48	1741
51. FRIEDMAN, M. J., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	12-14-48	9-17-48	1576
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-3-48	11-6-47	3718
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-18-48	3-10-48	1915
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-8-48	1-20-48	1295
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-30-48	7-19-48	1679
56. COOKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification	12-18-48	9-14-48	2012
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	6-19-48	7-17-47	2155
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-9-48	1-20-48	1788
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	12-9-48	9-13-48	1301
60. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-13-48	7-28-48	894
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-10-47	6-6-47	2721
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	10-1-48	11-7-47	2692
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	11-9-48	7-1-48	2249
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-15-49	2-12-49	1650
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	11-13-48	4-13-48	2268
66. LISANN, L., Geometrical Instruments	9-16-48	7-3-47	1851
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-15-48	6-14-48	1870
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	1-21-49	10-20-48	1393
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-3-48	9-12-47	2213
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-23-48	3-8-48	1700
Dismiss: BREHM, G. L.	1-30-48	1-13-49	6731

Total number of trade-mark applications awaiting action (including renewals and republications), 28,444. Date of oldest new application, June 28, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	7-2-48	11-18-48	4786
2. KASCHUB, H. E., Classes 2, 36, 46	8-13-48	7-29-48	4004
3. SUMMERS, G. S., Classes 21, 23, 26	6-28-48	1-26-49	3604
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	7-1-48	9-10-48	4329
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	7-8-48	10-23-48	3678
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	9-15-48	10-6-48	3923
7. KEYE, O. M., Classes 16, 19, 55	9-23-48	8-27-48	2032
8. GEDMAN, H. W. {Renewals / Republications} All Classes	6-16-49	7-18-49	484
	6-15-49	7-11-49	704

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LUNDAL

No. 5586. Decided June 28, 1949

[— F.2d —; 82 USPQ 184]

1. PATENTABILITY—STRUCTURE—NEW RESULT.

Where the structure of the patent device shows that it has two passages, as does the device of appellant, both extending from the primary separating chamber into the final separating chamber, but those passages do not extend to "an outer zone of said final separation chamber" and "to an intermediate zone of said final separation chamber." *Held* that, in view of the result sought to be obtained by appellant, which is impossible in the device of the patent, the decision of the Board is reversed.

2. SAME—PARTICULAR SUBJECT MATTER—SEPARATOR.

Held that the decision of the Board of Appeals rejecting certain claims for a centrifugal separator as unpatentable over the cited prior art, is reversed.

APPEAL from the Patent Office. Serial No. 494,966.

REVERSED.

Norman E. H. Deletzke for Ingie J. Lundal.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner, finally rejecting all of the claims, 9 to 17, inclusive, 19 to 25, inclusive, and 28, of an application for a patent, Serial No. 494,966, filed July 16, 1943, entitled "Separator and Separation Process," as unpatentable over the cited prior art.

Claim 28 was further held by the Board as failing to define a structure that will produce the result sought by appellant. Three article claims and two process claims were allowed.

The cited references are: Strezynski, 1,893,005, January 3, 1933; Strezynski, 2,022,814, December 3, 1935; Hall, 2,214,831, September 17, 1940.

The device defined in the rejected claims is a centrifugal separator used in separating fractions of sour cream, which are concentrated butter fat, skim-milk and coagulated proteins. In the operation of the device, it is said that the free flow of the cream is not blocked or obstructed by the accumulation of unwanted materials, such as coagulated proteins.

The centrifuge, as shown in appellant's drawing, comprises what is called a primary or interior separation chamber and a final or secondary outer separation chamber, both surrounded by a centrifugal bowl of the rotary type which forms the wall of the final separation chamber. The bowl rests upon, and is driven, by a tapered shaft which extends into a complementary conical hollow spindle. The spindle is integral with the central portion of the lower wall of the outer separator bowl. The bowl is constructed so that the lower section thereof is joined to the upper section a short distance above a plane which is the maximum diameter of the bowl between its upper and lower extremities. Along the maximum diameter are a number of outlets through which the heaviest fraction of separation, such as coagulated proteins may be discharged. Connected with the upper portion of the conical surface of the outer bowl is a conical cap section secured by a coupling which locks the upper and lower parts of the bowl together. At the top of the bowl, the wall tapers into a centrally formed neck portion, partially closed by a ring dam and a screw coupling. An outlet for the discharge of the intermediate fraction of separation, such as skim-milk, and another outlet for the discharge of the lighter fraction, such as concentrated cream or concentrated milk fat, are coaxial with the neck of the device. The centrifuge is fed by means of a tube which extends downwardly and centrally of the said neck. The lower portion of the tube is expanded outwardly, forming the primary or interior separation chamber. The secondary or final separation chamber is bounded by the wall of the infeed tube and the interior surface of the outer bowl. In the outer bowl are a series of stratifying or separating disks running through the middle thereof and held in position by vanes on the surface of the tube and vanes integral with the cap portion of the outer bowl. Through the wall of the primary separation chamber and running inwardly therefrom toward the axis of rotation are escape tubes designed as passageways for the lighter constituents from the primary chamber into what is called the neutral zone of the secondary separation chamber. The mouths of those tubes face directly aligned openings in all the stratifying disks, and that portion of the device consisting of those openings is said to be the neutral or intermediate zone.

Vol. 626 • No. 4 Tuesday, September 27, 1949 Price $17.50 per year

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It is stated that the interior ends of the escape tubes are placed closer to the axis of rotation than to the interior wall of the said tube for the reason that, as so constructed, material which has not been subjected to primary separation in the first or primary chamber is prevented from entering the tubes through which it could pass into the secondary separation chamber.

The centrifuge separator bowl disclosed by appellant is commonly known as a "balanced bowl." That type of bowl is said to comprise the positioning of the apertures in the stratifying disks in the neutral zone for the materials being separated. It is further said that the neutral zone is determined by the prevailing static heads of the liquids of different specific gravity in the axial outlet tubes through which the concentrated cream and the skim milk are discharged. Near the bottom of the interior of the primary separating chamber are tubular ports extending through the wall thereof, directly to the outer zone of the secondary chamber, at a point beyond the neutral zone, for the passage of the heavier fractions of separation. Those fractions, after having passed into the secondary chamber, are extended by means of centrifugal force upwardly along the interior wall of that chamber until discharged at the passages which are placed around the device at its widest diameter. It is said that together with the coagulated proteins, enough skim-milk passes so that the ports remain in a clean condition.

On the interior wall of the infeed tube, integral therewith, and extending lengthwise and inwardly thereof in a radial direction, are a number of vanes. They extend downwardly to the same number of the said discharge tubes.

The Strezynski patent, 1,893,005, relates to a balanced centrifugal separator bowl and the device of the patent, as it appears from the drawing thereof, seems very similar to that defined in the rejected claims. There is disclosed a downwardly and centrally positioned feed tube with an expanded lower end forming the primary separation chamber. There is a secondary chamber formed by the outer wall of the device and the walls of the said tube and interior chamber. Within the secondary chamber there are stratifying disks and a neutral zone extending therethrough. The only material difference, in our opinion, between the device of the patent and that of appellant, is that the escape tubes from the primary to the secondary chamber do not face the neutral zone, and the passages for the heavier materials do not extend from the interior chamber beyond the neutral zone in the secondary chamber. The latter tubes face the neutral zone of the device. It is stated in the specification of the patent that,

> In my improved bowl the portion of the lighter component which separates in the tubular shaft flows through the tubes *r* to the zone of lighter component inside the bowl so that the discs are required to separate from the heavier component only that portion of the lighter component which does not separate under the lesser centrifugal forces in the tubular shaft.

The Strezynski patent, 2,022,814, likewise discloses a balanced centrifugal bowl. It was cited by the Examiner as disclosing a discharge port for the heavier ingredients not shown in the former Strezynski patent. The Examiner held that to provide the device of the former Strezynski patent with the peripheral discharge means disclosed in the latter Strezynski patent would not involve invention.

The Hall reference relates to a centrifuge for clarifying and standardizing milk. In the device of the patent milk is forced upwardly by means of a pump into a centrifuge through a tube and two small ports into a discharge tube which is expanded at its lower end. From that end there is a discharge tube which does not extend beyond the vanes in the separating chamber. Near the top of the discharge tube, which is angular in shape, is a port which permits the removal of a portion of the milk being clarified at a point facing the openings in the lowermost stratifying disks, which alone are provided with openings.

The Examiner rejected claims 9 to 14, inclusive, and 19 to 22, inclusive, as not patentable over the Strezynski patent, 1,893,005, and claims 15 to 17, inclusive, and 23 to 25, inclusive, on that Strezynski patent in view of the Strezynski patent, 2,022,814. Claim 28 was rejected on the patent to Hall taken with the patent to Strezynski, 2,022,814. The Board affirmed all of those rejections and in addition, as hereinbefore mentioned, held that claim 28 failed to define a structure capable of obtaining the results sought by appellant.

The Board of Appeals confined its discussion to what it held to be representative claims for the stated reason that so many claims were presented that it was not expedient to discuss them separately. However, there was no holding of undue multiplicity of claims.

The Board considered claim 9 as representative of a group, 9 to 14, inclusive. claim 15 as representative of another group, 15, 16, 17, 23, 24, and 25; and claim 19 as representative of the group, 19 to 22, inclusive. Claim 28, as already mentioned, was considered by itself. The Board thus applied the prior art to the broadest claim in each group, and in view of our conclusion, we will consider the claims in like fashion.

Claims 9, 15, 19, and 28 read as follows:

> 9. In a bowl for a centrifugal separator, the combination of, a hollow centrally positioned tube, a primary separation chamber at the lower end of said tube formed of an expanded portion of said tube, a final separation chamber surrounding said primary separation chamber and extending radially substantially beyond the outer periphery of said primary separation chamber, *a first passage through the outer peripheral portion of said primary separation chamber to an outer zone of said final separation chamber, and a second passage extending from within said primary separation chamber to an intermediate zone of said final separation chamber.* [Italics ours.]
>
> 15. In a bowl for a centrifugal separator, the combination of, a hollow centrally positioned tube, a primary separation chamber at the lower end of said tube formed of an expanded portion of said tube, a final separation chamber surrounding said primary separation chamber and extending radially substantially beyond the outer periphery of said primary separation chamber, *a first passage through the outer periphery portion of said primary separation chamber to an outer zone of said final separation chamber, a second passage extending from within said primary separation chamber to an intermediate zone of said final separation chamber,* and a discharge port in the outer periphery of said final separation chamber. [Italics ours.]
>
> 19. In a bowl for a centrifugal separator, the combination of, a hollow centrally positioned tube, a primary separation chamber at the lower end of said tube, a final separation chamber surrounding said primary separation chamber and extending radially substantially beyond the outer periphery of said primary separation chamber, *a first passage through the outer peripheral portion of said primary separation chamber to an outer zone of said final separation chamber, and a second passage extending from within said primary separation chamber to an intermediate zone of said final separation chamber.* [Italics ours.]
>
> 28. In a centrifugal separator for the separation and concentration of sour cream into coagulated protein, skim-milk and concentrated butter fat, a final centrifugal separation chamber for the final separation and concentration of sour cream into coagulated protein, skim-milk and concentrated butter fat, a primary centrifugal separation and concentration chamber for the primary separation and concentration of coagulated protein from sour cream, said primary separation and concentration chamber having a cream inlet and being positioned within said final separation chamber and adapted to rotate therewith, stratifying disks within said final separation chamber, *first coagulated protein discharge passage through the wall of said final separation chamber in a portion of the wall having the greatest diameter,* skim-milk outlet and concentrated butter fat outlet in the upper wall of said final separation chamber, *a cream discharge passage extending through the wall of said primary separation chamber and adapted to discharge cream which has been subjected to primary separation into the spaces between said stratifying disks at the neutral zone of said final centrifugal separation chamber from a portion of the interior of said primary separation chamber remote from the outer peripheral wall thereof, and a second coagulated protein discharge passage for discharging primarily separated and concentrated coagulated protein from the outer portions of said primary separation chamber into said final separation chamber at a point beyond the neutral zone of said final centrifugal separation chamber, said first coagulated protein passage being of such capacity as to permit the discharge therethrough of sufficient skim-milk portion of the separated sour cream as to aid in the discharge of coagulated protein from said final separation chamber through said first coagulated protein discharge passage.* [Italics ours.]

The italicized portions of the quoted claims are contended by appellant to be sufficient to distinguish them from the cited prior art, whether that art be considered singly or in combination.

[1] Counsel for appellant points out in his brief, and properly so we think, that the device of the application contains patentably unique structural aspects wherein his centrifuge comprises not only primary and secondary separation chambers, but passage means for *"by-passing the primarily separated, heavy fraction of separation past the neutral zone of the centrifuge and past the stratifying disks* * * *." [Italics ours.]

Attention is first directed to the emphasized portion of claim 9. That claim and the group of which it was held by the Board to be representative were rejected upon the Strezynski patent, 1,893,005. The structure of the patent device, as hereinbefore described, shows that it has two passages, as does the device of appellant, both extending from the primary separating chamber into the final separating chamber. However, those passages do not extend to "an outer zone of said final separation chamber" and "to an intermediate zone of said final separation chamber" respectively.

In view of the result sought to be obtained by appellant—to completely by-pass the heavy unwanted materials around the intermediate zone and to conduct the lighter materials directly into the neutral zone—neither of which is possible in the device of the patent, the decision of the Board, in our opinion, should be reversed with respect to claim 9 and the group of which it is representative.

Claim 15 and the group of which it was said to be representative were rejected on the earlier Strezynski patent in view of his latter patent. The Board held that claim 15 differs from claim 9 in requiring a discharge port in the outer periphery of the final separation chamber. The Examiner held that it would not involve invention to add to the structure of the first Strezynski patent the sludge separating ports of the second Strezynski patent. However, even if those statements are true, nevertheless, claim 15 provides for "a first passage through the outer periphery portion of said primary separation chamber to an outer zone of said final separation chamber, a second passage extending from within said primary separation chamber to an intermediate zone of said final separation chamber, * * *." Those limitations, in our opinion, which are substantially a repetition of those contained in claim 9 warrant a reversal of the decision of the Board with respect to claim 15 and the group of which it is representative.

With respect to claim 19, the Board held that claim to differ from claim 9 in further defining the form of the primary separating chamber, pointing out that such form is shown by Strezynski. Claim 19, however, in the italicized portion thereof contains substantially the same structure as claims 9 and 15 with respect to the passageway from the primary separation chamber to the outer zone of the final separation chamber, and, therefore, in our opinion, that group of claims, 19 to 22, inclusive, is patentable over the prior art, and the decision of the Board should be reversed in that respect.

Claim 28 was finally rejected on a combination of the Hall patent with the Strezynski patent, 2,022,814. The Examiner held claim 28 readable on the device of the Hall patent except for the limitation of providing the periphery discharge port through the outer bowl wall of the secondary separation zone. The Examiner held it would not require invention to provide the device of the Hall patent with such on outlet, as is disclosed in the Strezynski patent, 2,022,814. The Board held that rejection to be proper and further stated that, while the claim defined the passageway from the first separating chamber to the neutral zone of the final separating chamber, it failed to define the limitation of the port extending from the first to the outer zone of the second chamber, and, therefore, as hereinbefore noted, did not define a structure adapted to obtain the results sought by appellant.

Claim 28 specifically states as follows: "and a second coagulated protein discharge passage for discharging primarily separated and concentrated coagulated protein from the outer portions of said primary separation chamber into said final separation chamber at a point *beyond* the neutral zone of said final centrifugal separation chamber * * *." [Italics ours.] It clearly appears to us that the discharge passage extending from the primary chamber into the final separation chamber at a point "beyond the neutral zone of said final separation chamber" means that the discharging end of the passage is located outwardly past the neutral zone of that chamber. That claim, in our opinion, is spe-

cific in defining the limits of the ports and passageways with respect to both of the chambers.

The Streznyski patent, 2,022,814, it seems to us, provides for the passage of all of the material being separated through the stratifying disks of the device. Likewise, the device of the Hall patent contemplates the passing of all the material being separated through the stratifying disks. Neither of those patents, as we see it, discloses or suggests a primary separation chamber, such as that specifically called for by claim 28, wherein the different fractions of primarily separated material are discharged into different zones of separation in the final separation chamber, which zones, as stated in appellant's brief, occupy different positions in the final separation chamber with respect to the neutral zone thereof.

Therefore, the decision of the Board affirming that of the Examiner, rejecting claim 28, is reversed.

[2] For the reasons hereinbefore set out, the decision of the Board of Appeals is in all respects reversed.

REVERSED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

U. S. Court of Customs and Patent Appeals

IN RE MAYS

No. 5616. Decided June 28, 1949

[— F.2d —; 82 USPQ 225]

1. PATENTABILITY—GENUS AND SPECIES—GENUS ALLOWED—SPECIES NOT REJECTABLE ON GENUS.

Where there is no question of distinguishing appellant's process from the prior art, and where no problem arises as to whether or not the species claims are individually patentable over the prior art, each species claim, standing alone, presenting patentable subject matter, *Held* that we do not look with favor on a finding that to be allowed, each species claim must be patentable over each of the other species claims, or over the generic claim.

2. SAME—SAME—RULE 41 CONSTRUED.

Held, that an applicant is not entitled as a matter of right under Rule 41 to the allowance of three or less species claims where an allowed claim is generic to those species, but he is entitled to present such claims for consideration on the merits in a single application with the generic claim.

3. SAME—PARTICULAR SUBJECT MATTER—METHOD OF FORMING ABRASIVE ARTICLES.

Held that the rejection of the appealed claims on the ground that they define nothing patentable over the allowed claim upon which they are dependent was, under the circumstances, reversible error, and the decision of the Board of Appeals is reversed.

APPEAL from the Patent Office. Serial No. 503,636.

REVERSED.

Ashlen F. Harlan, Jr., (*Lloyd P. Shank* of counsel) for James O. Mays.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 5, 6, and 7 in appellant's application for a patent for an invention relating to the manufacture of metal-bonded abrasive articles. Six claims have been allowed by the Primary Examiner. Claims 5, 6, and 7 were rejected by the Primary Examiner as defining nothing patentable over allowed claim 4 upon which they are dependent.

For the purpose of considering claims 5, 6, and 7, it is deemed advisable to set out claim 4, which has been allowed. It reads:

4. The process of forming thin abrasive articles such as cut-off wheels which comprises providing a conductive parting layer on a conducting surface, depositing *abrasive grain* on said parting layer, *electrodepositing a metal stratum* on said conductive parting layer and around said abrasive particles to a thickness approximating that of the diameter of the larger abrasive particles, whereby said abrasive particles are firmly bonded together, thereafter stripping off from the conducting surface said electrodeposited metal stratum, and removing outer portions from such electrodeposited metal stratum to expose portions of the abrasive grain at the surfaces of said stratum. [Italics added.]

Appealed claims 5, 6, and 7 read as follows:

5. The process as set forth in claim 4 in which the abrasive particles include diamond particles and the electrodeposited metal is nickel.

6. The process as set forth in claim 4 in which the abrasive particles include diamond particles and the electrodeposited metal is chromium.

7. The process as set forth in claim 4 in which the abrasive particles include diamond particles and the electrodeposited metal is copper.

The Examiner in his statement said:

It is believed that claims 5, 6, and 7 were properly rejected as defining nothing patentable over claim 4. These claims are method claims depending upon the process recited in claim 4 and differ therefrom in merely reciting the fact that different specific materials are used in the process and this is not believed to involve a patentable difference, because the change in specific material called for by these claims does not constitute a different method than that called for by claim 4. See *Holland Furniture Co.* v. *Perkins Glue Co.*, 372 O. G. 517, 277 U. S. 245; *De Lamar* v. *De Lamar Min. Co.*, Stat. 117 F. 240; *Ferrell* v. *Boston & M. Consol. Copper & Silver Min. Co.*, 121 F. 841; *Baker* v. *F. A. Duncombe Mfg. Co.*, 146 F. 744; *James Brown et al.* v. *Enoch Piper*, 109 U. S. 99; *Lovell Mfg. Co., Ltd.*, v. *Alanson Cary et al.*, 147 U. S. 623, wherein it was indicated that one process is not different from another merely because different materials are used.

Appellant contended before the Board that he is entitled to the allowance of claims 5, 6, and 7 as directed to species coming under the genus recited in the allowed generic claim 4, and he based that contention upon the provision of Rule 41 of the Rules of Practice of the United States Patent Office which reads as follows:

Provided, That more than one species of an invention, not to exceed three, may be claimed in one application if that application also includes an allowable claim generic to all the claimed species.

As to that contention, the Board in its decision stated:

We hold there is nothing in the rule which makes it imperative that species claims shall be allowed if an allowable generic claim be presented. There is nothing in Rule 41 that changes the requirement that only patentably distinct claims should be allowed. Many of the decisions cited by appellant merely hold that because the condition prescribed in the last clause of Rule 41, beginning with "if," is fulfilled when the decision of the Examiner rejecting a generic claim is reversed, a rejection of species claims on the ground that there is no patentable generic claim must of necessity be no longer applicable. The decisions do not hold that the species claims should be allowed. In fact, in *Ex parte Buston*, 67 USPQ 311, cited by the applicant in support of his position, it seems that the Board of Appeals would not allow a specific claim 31 as patentable over an allowed generic claim 30.

The appellant's position before us is that the quoted clause of Rule 41, supra, gives an applicant not merely a right to present claims to three or less species where the application contains an allowable claim generic to those species, but rather, he contends, that provision of the rule gives him a right to the allowance of three or less species claims where a generic claim is found allowable. The Board held that the rule does not change the requirement that only patentably distinct claims should be allowed. The issue thus presented for our decision is whether under Rule 41 an applicant is entitled as a matter of right to the allowance of three or less species claims in an application containing an allowable generic claim regardless of whether or not the species claims are patentably distinct over the generic claim.

In *Ex parte Doane*, 1931 C. D. 5; 410 O. G. 275, Commissioner Robertson said:

If on appeal the generic claims are found to be patentable, then, under the order above referred to, the question of the patentability of all the claims, subject to possible formal corrections, will have been determined.

In Ex parte Holtzman, patent file 1,933,113, Oct. 31, 1933, recorded vol. 158, p. 1094, First Assistant Commissioner Kinnan said:

As between two claims if the one covers or embraces what the other does and also what the latter does not the one is a generic claim and if it is not anticipated by the prior art, the other is not. If the claims in question are truly specific then, under Order No. 3154 of June 9, 1930, 395 O. G. 1142 such specific claims would be allowable except as to any matter of form, if the generic claim is.

The foregoing decisions relied on the following language of Order 3154:

In the latter instance the claims to the various species would necessarily be allowable except as to matters of form in view of the allowance of the generic claim, and such claims to the additional species, not to exceed three in all, may be admitted under Rule 78 if the application has been passed for issue.

Order No. 3154 was superseded by Order No. 3254, Oct. 7, 1933, 438 O. G. 265, the pertinent language of which follows:

If a generic claim is allowed, either by the Examiner or by an appellate tribunal, the applicant may be allowed claims to any or all of the three species elected, if they be patentably distinct.

Patent Office Order No. 3254 was superseded by Order No. 3510, April 24, 1940 (Manual of Patent Office Procedure, Eighth Ed., Washington, 1940, p. 100) reading as follows:

Where an application is filed with claims specific to each of two or more species and a claim or claims generic thereto, the Examiner, in the first action, will group the species claims in accordance with notice of January 31, 1935, give a complete action on the merits of all generic claims, and if no generic claim is found allowable, require election of one species; or if any generic claim is found allowable and the number of species claimed exceeds three, a requirement for election of three species will be made. *If, however, the number of species claimed does not exceed three, a full action on the merits of such species claims will also be given where a generic claim is found allowable.* [Italics ours.]

Order No. 3527, October 24, 1940, 520 O. G. 259, superseded the foregoing Order No. 3510; however the only change in the language above quoted was to eliminate the reference to the notice of January 31, 1935. In all other respects the wording remained the same. A notice, dated April 6, 1948, concerning Order No. 3527 was published in 610 O. G. 16, reading as follows:

(1) Whenever a generic claim is found to be allowable in substance, even though it is objected to or rejected on merely formal grounds, action on the species claims shall thereupon be given as if the generic claim were allowed.

(2) As a second distinct point, the practice outlined in *Ex parte Taylor* in the file of Patent No. 2,028,930 and related decisions, is not to be followed. These decisions set forth that when a generic claim is allowed, claims restricted respectively to the second and third species must contain every limitation of the generic claim.

Once a claim that is determined to be generic is allowed, claims restricted respectively to the species embraced within the generic claim will be examined even though they do not include every limitation of the generic claim as to the features which are common to each species.

Thus, where a claim is allowed which recites the species variants (B_1, B_2) generically but is specific as to characteristics (A) common to the several species, claims restricted to the species may be present with A recited either broadly or specifically. For example, claims analyzed as follows are proper:

1. A specific B generic
2. A broad B_1
3. A specific B_1
4. A broad B_2
5. A specific B_2

In such cases it is to be noted that the patentability of the claims restricted to the species (A broad B_1 and A broad B_2) does not necessarily follow from the allowability of the generic claim (A specific B generic).

From an examination of the foregoing cases and orders construing Rule 41 within the Patent Office, it will be observed that the effect of the Doane and Holtzman decisions, based on Order 3154, which seem to support appellant's position here, has been modified by subsequent orders until the most recent (see the italicized portion of Order 3510, repeated in Order 3527) furnish clear support for the Board's position that Rule 41 does not require allowance of species claims where a generic claim is allowable. It is clear from the italicized portion of Order 3510 that the allowance of a generic claim does not render three or less species claims directed thereto per se allowable. Indeed, the current order and notice leave no doubt that the species claims are to be given full action on the merits.

Walker on Patents, Deller's Edition, discusses this subject in the following terms:

* * * A patent which stands at the head of its genus, must also stand at the head of every species in that genus. Such a patent may properly have a generic claim, and it may also have one specific claim. Logically, it might have a specific claim for each species which it describes; but the Patent Office properly requires a separate application for a separate patent, for each species which the inventor will secure to himself, while allowing him to insert his proper generic claim in whichever of those applications he selects for that purpose. (2 Walker on Patents, Deller's Ed., 1277.)

It is a proper practice to make a generic claim and also a specific claim, in an application for a patent on a generic invention, even where only one species is described in the specification. (Citing cases.)

In such a case, if the inventor's understanding that his invention is primary, turns out to be true, both claims will be valid. But if some invention is afterward discovered in the prior art, which relegates the patent to a secondary place, the specific claim may stand and be valid, though the generic claim is too broad to be maintained.

In the event that a generic claim is allowable, then it is proper to include claims directed to more than one species but not more than three species. In many arts, especially the chemical and metallurgical, this practice is of particular importance. The basis for the practice is found in Rule 41. * * * (quoting the rule). (2 Walker on Patents 780.)

On the basic issue before us for decision, the reported cases tend to support the appellant's position. When an inventor makes an invention and in his specification points out a specific construction, he may claim the specific construction and also have a general broad claim. *Ryder* v. *Townsend* (C. C., N. D. New York) 188 Fed. 792. When a patent con-

tains a general claim for a combination of certain mechanical elements and a specific claim for a combination of a specified form, composition, or construction of one of those elements with the other elements of the general claim, the legal presumption is that the two claims secure different combinations, and the general claim is not limited to the specific form, composition, or construction set out in the specific claim, but protects the element and its mechanical equivalents. *Littlosen Manufacturing Co. v. Boss* (C. C. A., 8th) 219 Fed. 887. Where broad process claims were held allowable as presenting matter patentable over the prior art, there was no harm done in allowing a narrow claim covering a specific process under the broad allowed claims. *In re Henry K. McConnell*, 17 CCPA (Patents) 1139, 40 F.2d 567, 5 USPQ 343, 399 O. G. 419, approving the doctrine of *Parke-Davis & Co. v. Mulford Co.*, 189 Fed. 95, to the effect that it is not objectionable for a patentee to make a bona fide broad claim and follow it with narrower claims differentiated from each other in order to protect himself against possible anticipations of which he may not be aware. Where on appeal a broad process claim was held allowable, appealed process claims directed to species under the generic process claim were also held allowable without separate consideration. *In re Thacker*, 33 CCPA (Patents) 936, 154 F.2d 156, 69 USPQ 126, 589 O. G. 8. A claim defining a patentable species under a genus defined in an allowed claim may be allowed as a reasonable and advantageous protection of appellants' invention. *In re Brogden et al.*, 33 CCPA (Patents) 1181, 156 F.2d 82, 70 USPQ 187, 590 O. G. 524. For the reasonable and advantageous protection of an invention for which the allowance of a generic claim has been granted in an application for a patent, claims drawn to species under that genus may also be allowed. *In re Loiseleur*, 34 CCPA (Patents) 765, 158 F.2d 309, 72 USPQ 110, 597 O. G. 457.

In re Wood et al., 33 CCPA (Patents) 984, 155 F.2d 547, 69 USPQ 337, 589 O. G. 169, was a case where the appealed claims had been rejected by the Board as being unnecessary, the patentable novelty being deemed adequately met by claims 11 and 14. The court there reversed the Board, holding it to be well settled that an applicant for a patent has the right to express in a single application and in more than one claim the same invention, although worded in different language or including elements omitted in other claims which do not affect the patentability of one claim over another, and that he may be entitled to have in a single application species claims and broad and narrow claims, in accordance with the settled practice of the Patent Office and the courts, with rare exceptions, to permit applicants considerable latitude in defining in more than one claim their real inventions. The Wood case was concerned with giving an applicant considerable latitude in defining his invention by stating his claims in various ways, thus overcoming the frailty of words adequately to express in a single claim the subject matter of an invention without fear of anticipation. As in the McConnell case, the court concluded that there could be no harm in permitting the additional claims so long as the purposes of the statute were not frustrated by objectionable multiplicity or unnecessary recital of immaterial limitations. See also *In re Clark*, 25 CCPA (Patents) 1217, 97 F.2d 628, 38 USPQ 139, 497 O. G. 549, and *In re Barnett*, 33 CCPA (Patents) 1119, 155 F.2d 540, 69 USPQ 609, 590 O. G. 509. That danger of frustrating the purposes of the statute would not seem to be involved in the instant case where Rule 41 is relied upon, as it limits the number of species claims to three for any allowable generic claim (without the requirement for election). The many cases cited by the Examiner to support his rejection were infringement actions where the holding was substantially that there is no invention involved in a new use for an old combination or process or where the only change is the substitution of equivalents for elements of an already defined process. It is true, as the Examiner deduced from the cases he cited, that one process is not different from another merely because different materials are used. [1] But we think that principle is inapplicable here where there is no question of distinguishing appellant's process from the prior art. The validity of the generic claim 4 is not challenged by any prior art references, and no problem arises as to whether or not the species claims are individually patentable over the prior art. Standing alone, each species claim would be allowable as presenting patentable subject matter; and we do not look with favor on a finding that to be allowed, each species claim must be patentable over each of the other two species claims, or over the generic claim.

The cases we have hereinbefore cited impel us to the conclusion which the Solicitor concedes in his brief, that the court "has been liberal in allowing claims expressed in different words, with no patentable distinction, or in allowing more limited claims, even where the limitation does not involve a patentable distinction," and we have no justification for reversing that precedent now. No possible harm will inure to the public in granting the claims at bar, and it may happen (as Walker suggests, supra) if at some future test of the patent in an infringement suit the generic claim is too broad to be maintained, the specific claims may stand and be valid. Moreover, the allowance of the appealed claims, which set out the new process with greater particularity than the allowed generic claim, is more in harmony with the requirement of R. S. 4888 than their rejection.

[2] On the issue presented for decision by this appeal we hold that an applicant is not entitled as a matter of right under Rule 41 to the allowance of three or less species claims where an allowed claim is generic to those species, but he is entitled to present such claims for consideration on the merits in a single application with the generic claim. [3] In the instant case, on the authority of the McConnell, Wood, Brogden, and Loiseleur precedents, supra, we hold that the ground for rejection relied on by the Examiner was not a sufficient ground in the circumstances of this case. Although the position taken by the Board with respect to Rule 41 is correct, the affirmation by the Board of the Examiner's rejection of the claims at bar was, under the circumstances, reversible error. Accordingly, the decision of the Board of Appeals is reversed.

REVERSED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,754,293, 1,778,457, 1,778,750, 1,788,035, 1,789,371, 2,096,861, 2,100,279, 2,101,520, 2,102,671, 2,103,135,
1,795,214, 1,811,095, 1,813,923, 1,819,508, 1,828,094, 2,109,618, 2,121,103, 2,124,189, 2,124,478, 2,131,365,
1,829,965, 1,849,651, 1,852,068, 1,866,603, 1,868,443, 2,137,039, 2,138,328, 2,143,811, 2,143,812, 2,148,588,
1,869,823, 1,870,702, 1,881,357, 1,883,238, 1,884,724, 2,149,700, 2,152,184, 2,152,234, 2,152,448, 2,155,514,
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1,899,561, 1,907,555, 1,909,051, 1,920,342, 1,931,677, 2,180,413, 2,180,615, 2,181,572, 2,201,978, 2,207,839,
1,936,162, 1,938,256, 1,941,447, 1,945,040, 1,945,557, 2,209,959, 2,229,640, 2,230,212, 2,240,281, 2,246,659,
1,947,229, 1,955,739, 1,955,800, 1,957,752, 1,964,375, 2,246,696, 2,249,552, 2,250,268, 2,251,677, 2,252,746,
1,975,441, 1,976,558, 1,976,574, 1,977,683, 1,988,180, 2,254,090, 2,273,097, 2,274,686, 2,282,381, 2,289,147,
1,988,469, 2,007,380, 2,021,252, 2,026,357, 2,029,282, 2,296,307, 2,323,148, 2,323,250, 2,328,292, 2,449,969,
2,029,639, 2,034,773, 2,038,401, 2,045,316, 2,046,237, Re. 19,945, Re. 20,114, Re. 20,155, Re. 20,838, Re. 20,442,
2,047,003, 2,047,312, 2,048,814, 2,050,819, 2,052,316, Re. 20,700, Re. 21,014, Re. 21,400, Re. 21,473, Re. 21,598,
2,056,955, 2,057,640, 2,062,858, 2,063,311, 2,063,413, Re. 22,103, filed Aug. 8, 1949, D. C. Del., Doc. 1247, *Zenith*
2,066,284, 2,073,477, 2,074,496, 2,075,501, 2,080,837, *Radio Corp. v. R. C. A. et al.*
2,082,935, 2,086,546, 2,086,595, 2,092,893, 2,095,406,

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,396,112, H. C. Morgan, Radio navigation system and method, decided Aug. 19, 1949, claims 1, 3, 4, 5, 6, and 7.

Pat. 2,408,271, W. W. Rigrod and D. G. Clifford, Coaxial terminal assembly, decided Aug. 22, 1949, claims 1 and 2.

Interference Notices

MITCHELL CHEMICAL CO., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hall & Ruckel, Inc., 67 Vestry Street, New York, N. Y., for registration of a trade-mark and Registration No. 272,338, issued July 8, 1930, to Mitchell Chemical Co., 3026 E. 116th Street, Cleveland, Ohio, and the notice of such declaration sent by registered mail to the said Mitchell Chemical Co., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Mitchell Chemical Co., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Sept. 8, 1949. *Assistant Commissioner of Patents*

Bernard Goldstein, his assigns or legal representatives, take notice;

An interference having been declared by this Office between the application of Falchick Dress Co., Inc., 101 W. 37th St., New York, N. Y., for registration of a trade-mark and Registration No. 343,646, issued August 3, 1937, to Bernard Goldstein, 303 Fifth Avenue, New York, N. Y., and the notice of such declaration sent by registered mail to the said Goldstein at the said address having been returned by the post office undeliverable, notice is hereby given that unless Bernard Goldstein, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 25, 1949. *Assistant Commissioner of Patents.*

Cancellation Notice

Donald E. Kastner, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Julep Company, 353 West Grand Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration of Donald E. Kastner, 1550 Broadway, New York, N. Y., No. 338,791, dated September 15, 1936, and the notice of such proceeding sent by registered mail to the said Donald E. Kastner at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kastner, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
August 24, 1949. *Assistant Commissioner of Patents.*

Disclaimers

2,446,815.—*John M. Davies, James J. Shipman,* and *William L. Davidson,* Akron, Ohio. SELF-SEALING FUEL TANK CONSTRUCTION. Patent dated Aug. 10, 1948. Disclaimer filed Aug. 17, 1949, by the assignee, *The B. F. Goodrich Company.*

Hereby enters this disclaimer to claims 3, 4, 5, and 6 of said patent.

2,451,263.—*Donald R. Webb,* Schenectady, N. Y. POWER BOOST CONTROL SYSTEM. Patent dated Oct. 12, 1948. Disclaimer filed Aug. 23, 1949, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 2, 10, 13, and 17 of said patent.

Drawings

Attention is directed to Rule 84 of the Rules of Practice and particularly to section (c) thereof, which states in part:

All drawings must be made with drafting instruments or by photolithographic process which will give them satisfactory reproduction characteristics.

Photolithographic drawings on other than Bristol board (Rule 84c) or photographic drawings on sensitized paper are not in compliance with this rule.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

American Telephone and Telegraph Company has placed all of its United States patents on the Register as available for licenses. A notice with a statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE of Feb. 15, 1949.

In accordance with said notice, listings of the patents began in the GAZETTE of Aug. 16, 1949, and are appearing in succeeding issues as space and time permit. The present listing includes Reg. Nos. 26,345 through 27,575.

Inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

Pat. 2,322,853. Testing Coils. June 29, 1943.

Pat. 2,322,875. Electric Circuit. June 29, 1943.

Pat. 2,322,884. Amplifying System. June 29, 1943.

Pat. 2,322,914. Manufacture of Mononitriles of Dicarboxylic Acids. June 29, 1943.

Pat. 2,322,938. Stabilization of Superpolymers. June 29, 1943.

Pat. 2,322,943. Telegraph Signal Measuring Apparatus. June 29, 1943.

Pat. 2,323,192. Regulator Circuits. June 29, 1943.

Pat. 2,323,235. Electromagnetic Counting Devices. June 29, 1943.

Pat. 2,323,242. Electric Organ System. June 29, 1943.

Pat. 2,323,438. Telegraph Switching Apparatus. July 6, 1943.

Pat. 2,323,487. Strand Coating Apparatus. July 6, 1943.

Pat. 2,323,497. Cutting Tool. July 6, 1943.

Pat. 2,323,641. Antenna Systems. July 6, 1943.

Pat. 2,323,657. Coin Disposal Units. July 6, 1943.

Pat. 2,323,677. Distributing Apparatus. July 6, 1943.

Pat. 2,323,692. Telephone System. July 6, 1943.

Pat. 2,323,719. Alternating Current Generator. July 6, 1943.

Pat. 2,323,785. Pellet Forming Apparatus. July 6, 1943.

Pat. 2,323,808. Signaling Devices. July 6, 1943.

Pat. 2,323,834. Machine Tools. July 6, 1943.

Pat. 2,323,921. Keyboard Perforator. July 13, 1943.

Pat. 2,323,932. Telegraph Printers. July 13, 1943.

Re. Pat. 22,550. Telegraph Printer. July 26, 1944. Original Pat. 2,323,932.

Pat. 2,323,949. Process of Making Dies. July 13, 1943.

Pat. 2,323,958. Tape Transmitter Distributor. July 13, 1943.

Pat. 2,323,959. Printing Telegraph Apparatus. July 13, 1943.

Pat. 2,323,961. Relay Armatures. July 13, 1943.

Pat. 2,324,034. Air-Cooled Power Amplifier. July 13, 1943.

Pat. 2,324,089. Electron Discharge Apparatus. July 13, 1943.

Pat. 2,324,212. Electric Lamps. July 13, 1943.

Pat. 2,324,215. Measuring Apparatus. July 13, 1943.

Pat. 2,324,317. Telephone System. July 13, 1943.

Pat. 2,324,341. Telephone System. July 13, 1943.

Pat. 2,324,394. Signaling Systems. July 13, 1943.

Pat. 2,324,408. Amplifier. July 13, 1043.

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Pat. 2,324,797. Differentiating Amplifier. July 20, 1943.

Pat. 2,324,802. Soldering Device. July 20, 1943.

Pat. 2,324,809. Soldering Method. July 20, 1943.

Pat. 2,324,815. Stabilized Feedback Systems. July 20, 1943.

Pat. 2,324,960. Copper Powder. July 20, 1943.

Pat. 2,325,094. Furnace Control Apparatus. July 27, 1943.

Pat. 2,325,117. Vibration Translating Device. July 27, 1943.

Pat. 2,325,125. Hand Tool for Testing Springs. July 27, 1943.

Pat. 2,325,176. Refining of Non-Ferrous Metal Fume. July 27, 1943.

Pat. 2,325,932. Signaling Devices. Aug. 3, 1943.

Pat. 2,325,954. Coin Disposal Units. Aug. 3, 1943.

Pat. 2,325,957. Cleaning Metal. Aug. 3, 1943.

Pat. 2,326,053. Coils for Relays and Inductive Apparatus. Aug. 3, 1943.

Pat. 2,326,054. Multiunit Relay. Aug. 3, 1943.

Pat. 2,326,081. Two-Way Telephone Transmission System. Aug. 3, 1943.

Pat. 2,326,148. Sensing Apparatus. Aug. 10, 1943.

Pat. 2,326,204. Automatic Questionnaire. Aug. 10, 1943.

Pat. 2,326,220. Tensioning Apparatus. Aug. 10, 1943.

Pat. 2,326,274. Electric Measuring Apparatus. Aug. 10, 1943.

Pat. 2,326,290. Alarm and Testing Circuits. Aug. 10, 1943.

Pat. 2,326,296. Machine for Sealing Receptacles. Aug. 10, 1943.

Pat. 2,326,313. Alarm Circuits. Aug. 10, 1943.

Pat. 2,326,445. Signaling Systems. Aug. 10, 1943.

Pat. 2,326,458. Selection Systems. Aug. 10, 1943.

Pat. 2,326,478. Selection Systems. Aug. 10, 1943.

Pat. 2,326,551. Selecting Systems. Aug. 10, 1943.

Pat. 2,326,572. Holder for Electrically Heated Tools. Aug. 10, 1943.

Pat. 2,326,580. Resistance Material. Aug. 10, 1943.

Pat. 2,326,647. Switching Mechanisms. Aug. 10, 1943.

Pat. 2,326,663. Alternating Current Generator. Aug. 10, 1943.

Pat. 2,326,679. Party Line Telephone Systems. Aug. 10, 1943.

Pat. 2,326,742. Electric Wave System. Aug. 17, 1943.

Pat. 2,326,770. Transmission System Regulation. Aug. 17, 1943.

Pat. 2,326,826. Transmission System Regulation. Aug. 17, 1943.

Pat. 2,326,871. Gain Control. Aug. 17, 1943.

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Pat. 2,326,969. Winding Machine. Aug. 17, 1943.

Pat. 2,326,982. Assembling Apparatus. Aug. 17, 1943.

Pat. 2,327,091. Metal Forming Apparatus. Aug. 17, 1943.

Pat. 2,327,126. Article Handling Devices. Aug. 17, 1943.

Pat. 2,327,176. Driving Clutches and Control Means Therefor. Aug. 17, 1943.

Pat. 2,327,201. Telephone System. Aug. 17, 1943.

Pat. 2,827,211. Annular Article. Aug. 17, 1943.

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Pat. 2,327,276. Alternating Current Generator. Aug. 17, 1943.

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Pat. 2,327,360. Telegraph Signal Translating System and Apparatus. Aug. 24, 1943.

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Pat. 2,327,458. Testing System. Aug. 24, 1943.

Pat. 2,327,466. Automatic Toll Ticketing Systems. Aug. 24, 1943.

Pat. 2,327,474. Selective Telegraph System. Aug. 24, 1943.

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Pat. 2,327,549. Two-Step Relays. Aug. 24, 1943.

Pat. 2,327,567. Eye Structure for Anchor Rods. Aug. 24, 1943.

Pat. 2,327,711. Communication Systems. Aug. 24, 1943.

Pat. 2,327,715. Punch Device. Aug. 24, 1943.

Pat. 2,327,730. Switching Mechanisms. Aug. 24, 1943.

Pat. 2,327,782. Calling Dial Device. Aug. 24, 1943.

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Pat. 2,327,831. Cable Pulling Attachment. Aug. 24, 1943.

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Pat. 2,328,096. Treating Strands. Aug. 31, 1943.

Pat. 2,328,107. Electrical Connecting and Conditioning Apparatus. Aug. 31, 1943.

Pat. 2,328,322. Tension Controlling Apparatus. Aug. 31, 1943.

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Pat. 2,328,386. Conveyor Systems. Aug. 31, 1943.

Pat. 2,328,422. Coating Bodies With Carbon. Aug. 31, 1943.

Pat. 2,328,434. Speech Transmission System. Aug. 31, 1943.

Pat. 2,328,478. Piezoelectric Transducers. Aug. 31, 1943.

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Pat. 2,328,671. Impulse Repeater. Sept. 7, 1943.

Pat. 2,328,674. Regenerative Repeater for Inverse Neutral. Sept. 7, 1943.

Pat. 2,328,721. Material Working Machines. Sept. 7, 1943.

Pat. 2,328,724. Bracket. Sept. 7, 1943.

Pat. 2,328,750. Test Device. Sept. 7, 1943.

Pat. 2,328,951. Two-Way Signal Transmission System. Sept. 7, 1943.

Pat. 2,328,982. Making Solder Connections. Sept. 7, 1943.

Pat. 2,328,989. Gaseous Electric Discharge Device. Sept. 7, 1943.

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Pat. 2,329,283. Contact Spring Pile-up for Coin Collector Telephones. Sept. 14, 1943.

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Re. Pat. 23,057. Signaling Systems. Dec. 14, 1948. Original Pat. 2,332,043.

Pat. 2,332,073. Electric Circuit Control. Oct. 19, 1943.

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Pat. 2,332,338. Contact Making Device. Oct. 19, 1943.

Pat. 2,332,343. Ceramic Material. Oct. 19, 1943.

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Pat. 2,332,451. Telegraph Trouble Indicator Circuit. Oct. 19, 1943.

Pat. 2,332,494. Signaling Systems. Oct. 26, 1943.

Pat. 2,332,551. Telephone Set Circuit. Oct. 26, 1943.

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Pat. 2,334,575. Selective Signaling System. Nov. 16, 1943.

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Pat. 2,335,771. Calibrating Indicating Instruments. Nov. 30, 1943.

Pat. 2,336,095. Quick-Change Chuck. Dec. 7, 1943.

Pat. 2,336,219. Electrical Conductors. Dec. 7, 1943.

Pat. 2,336,362. Telegraph System. Dec. 7, 1943.

Pat. 2,336,373. Teletypewriter Switching System. Dec. 7, 1943.

Pat. 2,336,384. Surface Hardening of Linear Polyamide Bodies. Dec. 7, 1943.

Pat. 2,336,430. Separating Apparatus. Dec. 7, 1943.

Pat. 2,336,543. Digit Signal Translator. Dec. 14, 1943.

Pat. 2,336,573. Assembling Apparatus. Dec. 14, 1943.

Pat. 2,336,574. Material Distributing Apparatus. Dec. 14, 1943.

Pat. 2,336,861. Selector Switch Circuit. Dec. 14, 1943.

Pat. 2,336,866. Telephone Systems. Dec. 14, 1943.

Pat. 2,336,880. Stereophonic Conference System. Dec. 14, 1943.

Pat. 2,336,888. Two-Way Telephone System. Dec. 14, 1943.

Pat. 2,336,910. Telegraph Transmitter. Dec. 14, 1943.

Pat. 2,337,383. Material Handling Apparatus. Dec. 21, 1943.

Pat. 2,337,397. Terminal Bank. Dec. 21, 1943.

Pat. 2,337,399. Attenuation Equalizer. Dec. 21, 1943.

Pat. 2,337,423. Negative Feedback and Amplifiers. Dec. 21, 1943.

Pat. 2,337,433. Telephone Systems. Dec. 21, 1943.

Pat. 2,337,486. Selectively Operated Circuit Controlling Device. Dec. 21, 1943.

Pat. 2,337,493. Code Signaling Systems. Dec. 21, 1943.

Pat. 2,337,496. Multiway Regenerative Repeater. Dec. 21, 1943.

Pat. 2,337,540. Measurement of Envelope Delay of an Electric Circuit. Dec. 28, 1943.

Pat. 2,337,541. Electric Circuits. Dec. 28, 1943.

Pat. 2,337,578. Television System. Dec. 28, 1943.

Pat. 2,337,642. Automatic Toll Ticketing Systems. Dec. 28, 1943.

Pat. 2,337,665. Supports. Dec. 28, 1943.

Pat. 2,337,678. Electrical Condenser Manufacture. Dec. 28, 1943.

Pat. 2,337,696. Article Working Apparatus. Dec. 28, 1943.

Pat. 2,337,875. Telephone System. Dec. 28, 1943.

Pat. 2,337,878. Carrier Wave Signaling Systems. Dec. 28, 1943.

Pat. 2,337,883. Pneumatic Ticket Receiving Valve. Dec. 28, 1943.

Pat. 2,337,885. Telephone Booths. Dec. 28, 1943.

Pat. 2,337,886. Telegraph System. Dec. 28, 1943.

Pat. 2,337,900. Telephone Apparatus. Dec. 28, 1943.

Pat. 2,337,929. Reducing Bias in Telegraph Signals. Dec. 28, 1943.

Pat. 2,337,953. Telephone Headsets. Dec. 28, 1943.

Pat. 2,337,965. Coupling Networks. Dec. 28, 1943.

Pat. 2,337,973. Constant Inductance Continuously Variable Resistor. Dec. 28, 1943.

Pat. 2,337,976. Mechanical Coupling. Dec. 28, 1943.

Pat. 2,338,036. Cathode Ray Device. Dec. 28, 1943.

Pat. 2,338,122. Printing Telegraph Apparatus. Jan. 4, 1944.

Pat. 2,338,131. Selector Apparatus. Jan. 4, 1944.

Pat. 2,338,155. Facsimile Printing Telegraph System and Apparatus. Jan. 4, 1944.

Pat. 2,338,179. Cable Terminal Housing. Jan. 4, 1944.

Pat. 2,338,181. Switching Mechanisms. Jan. 4, 1944.

Pat. 2,338,216. Signaling Systems. Jan. 4, 1944.

Pat. 2,338,218. Time-Measuring Devices. Jan. 4, 1944.

Pat. 2,338,245. Fault-Locating Device. Jan. 4, 1944.

Pat. 2,338,257. Clutch Mechanism. Jan. 4, 1944.

Pat. 2,338,275. Printing Telegraph Apparatus. Jan. 4, 1944.

Pat. 2,338,299. Armored Conductor Structures. Jan. 4, 1944.

Pat. 2,338,304. Armored Conductor Structures. Jan. 4, 1944.

Pat. 2,338,405. Protective Systems. Jan. 4, 1944.

Pat. 2,338,410. Push-Pull Amplifier. Jan. 4, 1944.

Pat. 2,338,434. Signaling Systems. Jan. 4, 1944.

Pat. 2,338,435. Gain Fixture for Poles. Jan. 4, 1944.

Pat. 2,338,485. Electrical Terminal. Jan. 4, 1944.

Pat. 2,338,501. Magnetic Separation of Materials. Jan. 4, 1944.

Pat. 2,338,508. Treating Sheathed Articles. Jan. 4, 1944.

Pat. 2,338,533. Mechanical Motion. Jan. 4, 1944.

Pat. 2,338,539. Material Unwinding Device. Jan. 4, 1944.

Pat. 2,338,566. Electromagnetic Devices. Jan. 4, 1944.

Pat. 2,338,636. Automatic Billing Systems. Jan. 4, 1944.

Pat. 2,338,642. Testing and Signaling Systems. Jan. 4, 1944.

Pat. 2,338,752. Telephone Systems. Jan. 11, 1944.

Pat. 2,338,757. Telephone Sets. Jan. 11, 1944.

Pat. 2,338,766. Sound Recording Method and System. Jan. 11, 1944.

Pat. 2,338,821. Threading Apparatus. Jan. 11, 1944.

Pat. 2,338,826. Tering and Adjusting Springs. Jan. 11, 1944.

Pat. 2,338,848. Tension Controlling Apparatus. Jan. 11, 1944.

Pat. 2,338,850. Educational Devices. Jan. 11, 1944.

Pat. 2,338,854. Extruding Apparatus. Jan. 11, 1944.

Pat. 2,338,997. Communication System. Jan. 11, 1944.

Pat. 2,339,029. Thermosensitive Relay. Jan. 11, 1944.

Pat. 2,339,054. Coil Units. Jan. 11, 1944.

Pat. 2,339,067. Coil Units. Jan. 11, 1944.

Pat. 2,339,091. Stabilized Halogenated Compounds and Apparatus Containing Them. Jan. 11, 1944.

Pat. 2,339,194. Material Handling Apparatus. Jan. 11, 1944.

Pat. 2,339,195. Key-Operated Telephone Call Transmitter. Jan. 11, 1944.

Pat. 2,339,198. Electric Wave Circuit. Jan. 11, 1944.

Pat. 2,339,210. Screw-Driver Type Tool. Jan. 11, 1944.

Pat. 2,339,292. Telegraphy. Jan. 18, 1944.

Re. Pat. 22,592. Telegraphy. Jan. 16, 1945. Original Pat. 2,339,292.

Pat. 2,339,293. Telegraph Transmitter. Jan. 18, 1944.

Pat. 2,339,313. Printing Telegraph Apparatus. Jan. 18, 1944.

Pat. 2,339,404. Switching Mechanisms. Jan. 18, 1944.

Pat. 2,339,406. Electrical Transmission System. Jan. 18, 1944.

Pat. 2,339,413. Telephone Handset Hanger. Jan. 18, 1944.

Pat. 2,339,425. Toll Switchboards. Jan. 18, 1944.

Pat. 2,339,465. Artificial Production of Vocal or Other Sounds. Jan. 18, 1944.

Pat. 2,339,466. Push-Pull Amplifier. Jan. 18, 1944.

Pat. 2,339,472. Selective Switches. Jan. 18, 1944.

Pat. 2,339,490. Power Supply Systems. Jan. 18, 1944.

Pat. 2,339,613. Selenium Rectifiers. Jan. 18, 1944.

Pat. 2,339,633. Variable Selective System. Jan. 18, 1944.

Pat. 2,339,662. Television Transmitter. Jan. 18, 1944.

Pat. 2,339,669. Communication System. Jan. 18, 1944.

Pat. 2,339,672. Esters of Mononitriles of Dicarboxylic Acids. Jan. 18, 1944.

Pat. 2,339,683. Retractile Cord. Jan. 18, 1944.

Pat. 2,339,785. Printing Telegraph Apparatus. Jan. 25, 1944.

Pat. 2,339,803. Recording and Auditing System. Jan. 25, 1944.

Pat. 2,339,804. Multiplex Telegraph System. Jan. 25, 1944.

Pat. 2,339,863. Cathode Ray Scanning Apparatus. Jan. 25, 1944.

Pat. 2,339,871. Clamping Devices. Jan. 25, 1944.

Pat. 2,339,884. Material Working Apparatus. Jan. 25, 1944.

Pat. 2,340,055. Protective Device. Jan. 25, 1944.

Pat. 2,340,065. Telegraph System. Jan. 25, 1944.

Pat. 2,340,207. Coating Apparatus. Jan. 25, 1944.

Pat. 2,340,224. Telegraph Signal Distortion Measuring Circuit. Jan. 25, 1944.

Pat. 2,340,366. Signaling System. Feb. 1, 1944.

Pat. 2,340,387. Protective Encasing Means. Feb. 1, 1944.

Pat. 2,340,576. Telegraph System. Feb. 1, 1944.

Pat. 2,340,599. Teletypewriter Exchange System. Feb. 1, 1944.

Pat. 2,340,742. Space Discharge Apparatus and Circuits. Feb. 1, 1944.

Pat. 2,340,799. Electronic Discharge Device. Feb. 1, 1944.

Pat. 2,340,811. Switching Mechanisms. Feb. 1, 1944.

Pat. 2,340,813. Electric Wave Transmission System. Feb. 1, 1944.

Pat. 2,341,011. Ticket Cutter. Feb. 8, 1944.

Pat. 2,341,013. Thermosensitive Control Circuits. Feb. 8, 1944.

Pat. 2,341,027. Telephone Systems. Feb. 8, 1944.

Pat. 2,341,029. Switching Mechanisms. Feb. 8, 1944.

Pat. 2,341,067. Variable Frequency Bridge Stabilized Oscillator. Feb. 8, 1944.

Pat. 2,341,362. Casting Mounting Surfaces on Electrical Condensers. Feb. 8, 1944.

Pat. 2,341,386. Conveyor Control Apparatus. Feb. 8, 1944.

Pat. 2,341,412. Electromagnetic Resetting Apparatus. Feb. 8, 1944.

Pat. 2,341,450. Strand Treating Apparatus. Feb. 8, 1944.

Pat. 2,341,462. Article Forming Apparatus. Feb. 8, 1944.

Pat. 2,341,496. Article Holding Fixtures. Feb. 8, 1944.

Pat. 2,341,568. Message Tabulating Apparatus and System. Feb. 15, 1944.

Pat. 2,341,613. Cord Assembling Apparatus. Feb. 15, 1944.

Pat. 2,341,617. Molding. Feb. 15, 1944.

Pat. 2,341,650. Toroidal Coil Winding Machine. Feb. 15, 1944.

Pat. 2,341,711. Telephone Circuit. Feb. 15, 1944.

Pat. 2,341,712. Making Cable. Feb. 15, 1944.

Pat. 2,341,752. Electron Discharge Apparatus. Feb. 15, 1944.

Pat. 2,341,919. Telephone System. Feb. 15, 1944.

Pat. 2,341,933. Impulse Transmitting Device. Feb. 15, 1944.

Pat. 2,341,934. Electric Signaling. Feb. 15, 1944.

Pat. 2,341,996. Telegraph Signal Transmitter for Sending Shaped Impulses. Feb. 15, 1944.

Pat. 2,342,009. Strand Handling Apparatus. Feb. 15, 1944.

Pat. 2,342,059. Clamping Devices. Feb. 15, 1944.

Pat. 2,342,111. Article Handling Devices. Feb. 22, 1944.

Pat. 2,342,163. Article Handling Device. Feb. 22, 1944.

Pat. 2,342,238. Variable Attenuation Circuits. Feb. 22, 1944.

Pat. 2,342,245. Electric Signaling. Feb. 22, 1944.

Pat. 2,342,274. Adjusting the Temperature Coefficient of Resonators. Feb. 22, 1944.

Pat. 2,342,279. Automatic Toll Ticketing Systems. Feb. 22, 1944.

Pat. 2,342,318. Electrical Timing Circuits. Feb. 22, 1944.

Pat. 2,342,395. Control System for Sound Films. Feb. 22, 1944.

Pat. 2,342,397. Constricting Tool. Feb. 22, 1944.

Pat. 2,342,412. Electron Discharge Devices. Feb. 22, 1944.

Pat. 2,342,544. Submarine Cable Transmission. Feb. 22, 1944.

Pat. 2,342,552. Switching Apparatus. Feb. 22, 1944.

Pat. 2,342,560. Printer for Instrument Scales. Feb. 22, 1944.

Pat. 2,342,593. Coin Collector Apparatus. Feb. 22, 1944.

Pat. 2,342,594. Electrowelding Apparatus. Feb. 22, 1944.

Pat. 2,342,595. Electrowelding Apparatus. Feb. 22, 1944.

Pat. 2,342,638. Wave Transmission Networks. Feb. 29, 1944.

Pat. 2,342,781. Combined Mercury Interrupter and Transformer. Feb. 29, 1944.

Pat. 2,342,813. Mechanical Wave Filter. Feb. 29, 1944.

Pat. 2,342,822. Amplifying System. Feb. 29, 1944.

Pat. 2,342,869. Wave Filter. Feb. 29, 1944.

Pat. 2,342,875. Wave Filter. Feb. 29, 1944.

Pat. 2,342,886. Printing Telegraph Apparatus and System. Feb. 29, 1944.

Pat. 2,343,059. Piezoelectric Crystal Apparatus. Feb. 29, 1944.

Pat. 2,343,088. Universal Material Working Fixture. Feb. 29, 1944.

Pat. 2,343,100. Panel Selector Contact-Shoe. Feb. 29, 1944.

Pat. 2,343,182. Sound Recording With Supersonic Modulator. Feb. 29, 1944.

Pat. 2,343,442. Telephone Substation Apparatus. Mar. 7, 1944.

Pat. 2,343,461. Strand Supply Apparatus. Mar. 7, 1944.

Pat. 2,343,466. Article Forming Apparatus. Mar. 7, 1944.

Pat. 2,343,481. Permanent Magnet Steel. Mar. 7, 1944.

Pat. 2,343,516. Signaling Systems. Mar. 7, 1944.

Pat. 2,343,539. Stabilised Oscillators. Mar. 7, 1944.

Pat. 2,343,568. Electro-Optical Signaling. Mar. 7, 1944.

Pat. 2,343,634. Noise Reduction Signaling System. Mar. 7, 1944.

Pat. 2,343,686. Electric Welding Machines. Mar. 7, 1944.

Pat. 2,343,687. Electric Welding Machines. Mar. 7, 1944.

Pat. 2,343,753. Receiving Circuit for Telegraph Signaling Systems. Mar. 7, 1944.

Pat. 2,343,882. Keyboard Printing and Perforating Apparatus. Mar. 14, 1944.

Pat. 2,343,988. Cathode Ray Intensity Control Circuit. Mar. 14, 1944.

Pat. 2,343,990. Slotting Apparatus. Mar. 14, 1944.

Pat. 2,343,994. Core Covering Apparatus. Mar. 14, 1944.

Pat. 2,343,998. Welding Apparatus. Mar. 14, 1944.

Pat. 2,344,012. Amplitude Range Control in a Signal Transmission System. Mar. 14, 1944.

Pat. 2,344,298. Resistor Device. Mar. 14, 1944.

Pat. 2,344,316. Testing Systems. Mar. 14, 1944.

Pat. 2,344,240. Applying Tape Upon Articles. Mar. 14, 1944.

Pat. 2,344,445. Charging Furnaces. Mar. 14, 1944.

Pat. 2,344,448. Fibreboard Receptacles. Mar. 14, 1944.

Pat. 2,344,454. Training Device. Mar. 14, 1944.

Pat. 2,344,586. Strand Covering Apparatus. Mar. 21, 1944.

Pat. 2,344,612. Electric Signaling. Mar. 21, 1944.

Pat. 2,344,633. Impulse Repeater. Mar. 21, 1944.

Pat. 2,344,792. Motor Control Mechanism for Printing Telegraph Apparatus. Mar. 21, 1944.

Pat. 2,345,040. Coin Signaling Devices. Mar. 28, 1944.

Pat. 2,345,048. Communication Systems. Mar. 28, 1944.

Pat. 2,345,066. Gain Control System. Mar. 28, 1944.

Pat. 2,345,115. Wave Transmission System. Mar. 28, 1944.

Pat. 2,345,289. Pressure Booster Apparatus. Mar. 28, 1944.

Pat. 2,345,316. Through and Inward Telegraph Exchange System. Mar. 28, 1944.

Pat. 2,345,317. Satellite Telegraph Switching System. Mar. 28, 1944.

Pat. 2,345,386. Switching Devices. Mar. 28, 1944.

Pat. 2,345,436. Clamping Device. Mar. 28, 1944.

Pat. 2,345,441. Light Modulating Apparatus. Mar. 28, 1944.

Pat. 2,345,471. Speed Governor for Call Transmitter. Mar. 28, 1944.

Pat. 2,345,491. Wave Transmission Network. Mar. 28, 1944.

Pat. 2,345,671. Electrical Connectors. Apr. 4, 1944.

Pat. 2,345,705. Telephone Booth. Apr. 4, 1944.

Pat. 2,345,712. Oscillation Modulator. Apr. 4, 1944.

Pat. 2,345,825. Signaling System. Apr. 4, 1944.

Pat. 2,345,851. Teletypewriter Switching System Pay Stations. Apr. 4, 1944.

Pat. 2,345,881. Correction of Distorted Telegraph Signals. Apr. 4, 1944.

Pat. 2,345,912. Teletypewriter Switching System. Apr. 4, 1944.

Pat. 2,345,925. Pulse Counting Circuits. Apr. 4, 1944.

Pat. 2,345,929. Conductor Laying Machine. Apr. 4, 1944.

Pat. 2,345,932. Measuring Apparatus. Apr. 4, 1944.

Pat. 2,345,933. Phase Control in Electrical Transmission. Apr. 4, 1944.

Pat. 2,345,959. Telephone System. Apr. 4, 1944.

Pat. 2,345,967. Pneumatic Ticket Distributing System. Apr. 4, 1944.

Pat. 2,345,987. Dial Controlled Signaling System. Apr. 4, 1944.

Pat. 2,346,113. Auxiliary Telephone Apparatus. Apr. 4, 1944.

Pat. 2,346,114. Right-of-Way Telephone System. Apr. 4, 1944.

Pat. 2,346,115. Emergency Telephone System. Apr. 4, 1944.

Pat. 2,346,285. Conveyor Systems. Apr. 11, 1944.

Pat. 2,346,293. Material Handling Apparatus. Apr. 11, 1944.

Pat. 2,346,297. Pressure Actuated Tools. Apr. 11, 1944.

Pat. 2,346,305. Preset Call Transmitters. Apr. 11, 1944.

Pat. 2,346,309. Extrusion Apparatus Cylinders. Apr. 11, 1944.

Pat. 2,346,314. Insulation Cutting Apparatus. Apr. 11, 1944.

Pat. 2,346,324. Fibrous Insulating Materials. Apr. 11, 1944.

Pat. 2,346,327. Electrically Heated Soldering Irons. Apr. 11, 1944.

Pat. 2,346,420. Selective Signaling and Lock-out Systems. Apr. 11, 1944.

Pat. 2,346,461. Gas Pressure Alarm System for Cables. Apr. 11, 1944.

Pat. 2,346,496. Film Sound Recording System. Apr. 11, 1944.

Pat. 2,346,545. Electron Discharge Device Circuits. Apr. 11, 1944.

Pat. 2,346,548. Batteryless Telephone System. Apr. 11, 1944.

Pat. 2,346,553. Coating Suspensions. Apr. 11, 1944.

Pat. 2,346,795. Dividing Fluids. Apr. 18, 1944.

Pat. 2,346,913. Electron Discharge Devices. Apr. 18, 1944.

Pat. 2,346,915. Telephone Systems. Apr. 18, 1944.

Pat. 2,346,917. Take-Off and Tensioning Device for Strand Supplies. Apr. 18, 1944.

Pat. 2,347,096. Electrical Wave Modulation. Apr. 18, 1944.

Pat. 2,347,107. Switching System. Apr. 18, 1944.

Pat. 2,347,108. Call Transmitter for Telephone Signaling System. Apr. 18, 1944.

Pat. 2,347,332. Carrier Current Telegraph System. Apr. 25, 1944.

Pat. 2,347,347. Vibration Translating Device. Apr. 25, 1944.

Pat. 2,347,392. Strand Handling Apparatus. Apr. 25, 1944.

Pat. 2,347,397. Soldering Apparatus. Apr. 25, 1944.

Pat. 2,347,421. Molding. Apr. 25, 1944.

Pat. 2,347,497. Damping Means for Current Responsive Apparatus. Apr. 25, 1944.

Pat. 2,347,505. Phantom Magneto Telephone System. Apr. 25, 1944.

Pat. 2,347,507. Alarm Circuits. Apr. 25, 1944.

Pat. 2,347,518. Telegraph Circuits. Apr. 25, 1944.

Pat. 2,347,727. Panel Selector Contact Shoe. May 2, 1944.

Pat. 2,347,733. Switching Devices. May 2, 1944.

Pat. 2,347,735. Switching Mechanism. May 2, 1944.

Pat. 2,347,738. Switching Mechanisms. May 2, 1944.

Pat. 2,347,773. Molding Apparatus. May 2, 1944.

Pat. 2,347,777. Signaling Circuit. May 2, 1944.

Pat. 2,347,781. Drying Apparatus. May 2, 1944.

Pat. 2,347,813. Inverse Neutral Telegraph Repeater Hub Circuit. May 2, 1944.

Pat. 2,347,817. Permanent Magnet Material. May 2, 1944.

Pat. 2,347,831. Communication System. May 2, 1944.

Pat. 2,347,969. Cushion Mountings. May 2, 1944.

Pat. 2,348,045. Electron Discharge Device. May 2, 1944.

Pat. 2,348,131. Electric Signaling. May 2, 1944.

Pat. 2,348,146. Telegraph Signal Translating System. May 2, 1944.

Pat. 2,348,214. Printing Telegraph Apparatus. May 9, 1944.

Pat. 2,348,352. Alternating Current Generator. May 9, 1944.

Pat. 2,348,353. Switching Mechanisms. May 9, 1944.

Pat. 2,348,462. Electrical Resistance Devices. May 9, 1944.

Pat. 2,348,489. Safety Devices. May 9, 1944.

Pat. 2,348,501. Heat Treating Apparatus. May 9, 1944.

Pat. 2,348,558. Wire Connecting Device. May 9, 1944.

Pat. 2,348,572. Variable Attenuation Network. May 9, 1944.

Pat. 2,348,592. Telephone Housing Detail. May 9, 1944.

Pat. 2,348,626. Channel Selecting Circuit. May 9, 1944.

Pat. 2,348,629. Public Address System. May 9, 1944.

Pat. 2,348,680. Switching System. May 9, 1944.

Pat. 2,348,798. Strand Handling Apparatus. May 16, 1944.

Pat. 2,348,856. Strand Handling Apparatus. May 16, 1944.

Pat. 2,348,884. Brazing Apparatus. May 16, 1944.

Pat. 2,348,889. Coil Winding Devices. May 16, 1944.

Pat. 2,348,932. Knitting Machines. May 16, 1944.

Pat. 2,349,129. Dialing System. May 16, 1944.

Pat. 2,349,144. Telephone Booths. May 16, 1944.

Pat. 2,349,214. Coin Operated Devices. May 16, 1944.

Pat. 2,349,279. Selective Switches. May 23, 1944.

Pat. 2,349,304. Selective Signaling System and Apparatus. May 23, 1944.

Pat. 2,349,539. Teletypewriter Switching Systems. May 23, 1944.

Pat. 2,349,586. Inverse Neutral Telegraph Repeater Concentration Group Switching. May 23, 1944.

Pat. 2,349,669. Telephone Systems. May 23, 1944.

Pat. 2,349,674. Printing Telegraph Apparatus. May 23, 1944.,

Pat. 2,349,685. Rectifying Systems. May 23, 1944.

Pat. 2,349,686. Cutting Apparatus. May 23, 1944.

Pat. 2,349,857. Permanent Magnet Material. May 30, 1944.

Pat. 2,349,878. Assembling Apparatus. May 30, 1944

Pat. 2,349,882. Multiple Unit Apparatus. May 30, 1944.

Pat. 2,349,929. Switching Mechanisms. May 30, 1944.

Pat. 2,349,951. Electrical Conductors and Methods of Preparing Them. May 30, 1944.

Pat. 2,349,952. Electrical Conductors. May 30, 1944.

Pat. 2,349,956. Assembling Articles. May 30, 1944.

Pat. 2,350,003. Electron Discharge Devices. May 30, 1944.

Pat. 2,350,146. Telegraphic Auction Systems. May 30, 1944.

Pat. 2,350,177. Telephone Measuring System. May 30, 1944.

Pat. 2,350,180. Telegraph System. May 30, 1944.

Pat. 2,350,186. Teletypewriter System. May 30, 1944.

Pat. 2,350,193. Auxiliary Telephone Apparatus. May 30, 1944.

Pat. 2,350,220. Chuck Unit Particularly Adapted for Stem Making Machines. May 30, 1944.

Pat. 2,350,273. Article Handling Machines. May 30, 1944.

Pat. 2,350,274. Material Straightening Apparatus. May 30, 1944.

Pat. 2,350,458. Switching Mechanisms. June 6, 1944.

Pat. 2,350,464. Switching Mechanism. June 6, 1944.

Pat. 2,350,466. Telephone System Trouble Recorder. June 6, 1944.

Pat. 2,350,873. Automatic Switching Telephone System. June 6, 1944.

Pat. 2,350,887. Method of Manufacturing Parts for Electrical Apparatus. June 6, 1944.

Pat. 2,350,888. Selecting Systems. June 6, 1944.

Pat. 2,350,916. Ultra-Short Wave Antenna System. June 6, 1944.

Pat. 2,350,917. Signaling Systems. June 6, 1944.

Pat. 2,350,951. Electric Wave System. June 6, 1944.

Pat. 2,351,098. Cutter. June 13, 1944.

Pat. 2,351,116. Article Assembly Apparatus. June 13, 1944.

Pat. 2,351,143. Tool Guards. June 13, 1944.

Pat. 2,351,201. Measuring. June 13, 1944.

Pat. 2,351,224. Marking Devices. June 13, 1944.

Pat. 2,351,229. Tape Feed Alarm. June 13, 1944.

Pat. 2,351,230. Welding Electrodes. June 13, 1944.

Pat. 2,351,276. Article Assembling Apparatus. June 13, 1944.

Pat. 2,351,321. Electrolytic Condensers. June 13, 1944.

Pat. 2,351,328. Air Motors. June 13, 1944.

Pat. 2,351,360. Selecting System. June 13, 1944.

Pat. 2,351,435. Plug Cutting Tool. June 13, 1944.

Pat. 2,351,446. Sender Load Control. June 13, 1944.

Pat. 2,351,452. Pantograph. June 13, 1944.

Pat. 2,351,459. Telephone Sets. June 13, 1944.

Pat. 2,351,477. Solder Alloys. June 13, 1944.

Pat. 2,351,501. Electron Lens Structure. June 13, 1944.

Pat. 2,351,548. Frequency Comparison Records. June 13, 1944.

Pat. 2,351,551. Telephone Systems. June 13, 1944.

Pat. 2,351,636. Printing Telegraph Apparatus. June 20, 1944.

Pat. 2,351,714. Tape Directing Device. June 20, 1944.

Pat. 2,351,722. Welding Apparatus. June 20, 1944.

Pat. 2,351,725. Apparatus Mounting Arrangement. June 20, 1944.

Pat. 2,351,730. Relays. June 20, 1944.

Pat. 2,351,757. Electron Discharge Devices. June 20, 1944.

Pat. 2,351,766. Telephone Systems. June 20, 1944.

Pat. 2,351,784. Printing Telegraph Apparatus. June 20, 1944.

Pat. 2,351,785. Printing Telegraph Apparatus. June 20, 1944.

Pat. 2,351,913. Acoustic Delay Device. June 20, 1944.

Pat. 2,351,967. Selector Switch. June 20, 1944.

Pat. 2,352,056. Thermally Controlled Resistor. June 20, 1944.

Pat. 2,352,072. Conoscope. June 20, 1944.

Pat. 2,352,081. Transmission Control in Two-Way Signal Transmission Systems. June 20, 1944.

Pat. 2,352,137. Electron Emitting Elements. June 20, 1944.

Pat. 2,352,142. Signaling System. June 20, 1944.

Pat. 2,352,155. Printing Telegraph Apparatus. June 20, 1944.

Pat. 2,352,158. Deep Sea Apparatus Housings. June 27, 1944.

Pat. 2,352,254. Frequency Modulated Wave Transmission. June 27, 1944.

Pat. 2,352,271. Teletypewriter Pay Station Circuit. June 27, 1944.

Pat. 2,352,272. Inverse Neutral Telegraph Repeater Concentration Group Cord and Attendant's Circuits. June 27, 1944.

Pat. 2,352,339. Blanking Materials. June 27, 1944.

Pat. 2,352,347. Knitting Needles. June 27, 1944.

Pat. 2,352,352. Selector Switches. June 27, 1944.

Pat. 2,352,451. Frequency Converters. June 27, 1944.

Pat. 2,352,635. Electron Discharge Devices. July 4, 1944.

Pat. 2,352,643. Printing Telegraph Apparatus. July 4, 1944.

Pat. 2,352,657. Electromagnetically Controlled Thermionic Relays. July 4, 1944.

Pat. 2,352,709. Annealing Articles. July 4, 1944.

Pat. 2,352,723. Call Transmitters. July 4, 1944.

Pat. 2,352,724. Call Transmitter. July 4, 1944.

Pat. 2,352,742. Pulse Register Circuit. July 4, 1944.

Pat. 2,353,004. Telegraph System. July 4, 1944.

Pat. 2,353,045. Telephone Booths. July 4, 1944.

Pat. 2,353,054. Article Working and Assembling Apparatus. July 4, 1944.

Pat. 2,353,055. Satellite Communication System. July 4, 1944.

Pat. 2,353,056. Weld Strength Testing Apparatus. July 4, 1944.

Pat. 2,353,092. Strand Tension Indicating Devices. July 4, 1944.

Pat. 2,353,173. Tools for Slitting Cable Insulations. July 11, 1944.

Pat. 2,353,401. Article Holding Trays. July 11, 1944.

Pat. 2,353,405. Material Handling Apparatus. July 11, 1944.

Pat. 2,353,408. Takeup Mechanisms. July 11, 1944.

Pat. 2,353,584. Test Signal Transmitter. July 11, 1944.

Pat. 2,353,597. Platen Handwheel. July 11, 1944.

Pat. 2,353,608. Printing Telegraph Apparatus. July 11, 1944.

Pat. 2,353,638. Conveyor Systems. July 18, 1944.

Pat. 2,353,639. Controlling Spooling Motors. July 18, 1944.

Pat. 2,353,673. Code Signaling System. July 18, 1944.

Pat. 2,353,732. Wire Connector. July 18, 1944.

Pat. 2,353,785. Telephone Substations. July 18, 1944.

Pat. 2,353,794. Material Working Apparatus. July 18, 1944.

Pat. 2,353,799. Measuring Devices. July 18, 1944.

Pat. 2,353,857. Metal Forming Apparatus. July 18, 1944.

Pat. 2,354,115. Unit Guiding and Latching Device. July 18, 1944.

Pat. 2,354,408. Glare Eliminating Devices. July 25, 1944.

Pat. 2,354,684. Siren. Aug. 1, 1944.

Pat. 2,354,699. Sound Generator. Aug. 1, 1944.

Pat. 2,354,733. Transmitter. Aug. 1, 1944.

Pat. 2,354,779. Keying Mechanism. Aug. 1, 1944.

Pat. 2,355,008. Camouflage Structures. Aug. 1, 1944.

Pat. 2,355,018. Covered Electrical Conductor. Aug. 1, 1944.

Pat. 2,355,019. Making a Knitted Covering or Coverings on a Strand. Aug. 1, 1944.

Pat. 2,355,207. Telephone Systems. Aug. 8, 1944.

Pat. 2,355,215. Telephone Systems. Aug. 8, 1944.

Pat. 2,355,237. Electromagnetic Devices. Aug. 8, 1944.

Pat. 2,355,251. Telephone Systems. Aug. 8, 1944.

Pat. 2,355,432. Electron Discharge Devices. Aug. 8, 1944.

Pat. 2,355,444. Welding Apparatus. Aug. 8, 1944.

Pat. 2,355,451. Material Working Tools. Aug. 8, 1944.

Pat. 2,355,468. Adjusting Apparatus. Aug. 8, 1944.

Pat. 2,355,515. Smelting Tin-Containing Materials. Aug. 8, 1944.

Pat. 2,355,522. Assembling Apparatus. Aug. 8, 1944.

Pat. 2,355,538. Coil Winding Apparatus. Aug. 8, 1944.

Pat. 2,355,555. Testing Fixtures. Aug. 8, 1944.

Pat. 2,355,657. Printing Telegraph Apparatus. Aug. 15, 1944.

Pat. 2,355,776. Measuring Cross-Talk. Aug. 15, 1944.

Pat. 2,355,795. Electrode Systems. Aug. 15, 1944.

Pat. 2,355,804. Packaging Receptacle. Aug. 15, 1944.

Pat. 2,355,811. Shaping an Article. Aug. 15, 1944.

Pat. 2,355,812. Shaping an Article. Aug. 15, 1944.

Pat. 2,355,820. Article Handling Apparatus. Aug. 15, 1944.

Pat. 2,355,832. Assembling Apparatus. Aug. 15, 1944.

Pat. 2,355,833. Assembling Apparatus. Aug. 15, 1944.

Pat. 2,355,903. Signaling Systems. Aug. 15, 1944.

Pat. 2,355,908. Telephone Systems. Aug. 15, 1944.

Pat. 2,355,909. Polarized Relays. Aug. 15, 1944.

Pat. 2,355,958. Control of Two-Way Signal Transmission System. Aug. 15, 1944.

Pat. 2,355,976. Telephone Call Transmitter. Aug. 15, 1944.

Pat. 2,355,991. Stabilized Non-Linear Feedback Systems. Aug. 15, 1944.

Pat. 2,356,035. Electron Discharge Devices. Aug. 15, 1944.

Pat. 2,356,067. Satellite Office Telegraph Switching System. Aug. 15, 1944.

Pat. 2,356,112. Electron Discharge Devices. Aug. 15, 1944.

Pat. 2,356,229. Alternating Current Generators. Aug. 22, 1944.

Pat. 2,356,262. Acoustic Devices. Aug. 22, 1944.

Pat. 2,356,269. Voltage Regulated Rectifying Systems. Aug. 22, 1944.

Pat. 2,356,296. Protective System. Aug. 22, 1944.

Pat. 2,356,330. Signaling System. Aug. 22, 1944.

Pat. 2,356,331. Amplification With High Efficiency. Aug. 22, 1944.

Pat. 2,356,335. Number Indicating Device. Aug. 22, 1944.

Pat. 2,356,446. Amplifier Circuit. Aug. 22, 1944.

Pat. 2,356,478. Acoustic Measurement. Aug. 22, 1944.

Pat. 2,356,514. Electrical Switching. Aug. 22, 1944.

Pat. 2,356,519. Communication Systems. Aug. 22, 1944.

Pat. 2,356,566. Electronic Discharge Device. Aug. 22, 1944.

Pat. 2,356,583. Soldering Coppers. Aug. 22, 1944.

Pat. 2,356,831. Leak-Proof Terminal Structure. Aug. 29, 1944.

Pat. 2,356,837. Material Treating Apparatus. Aug. 29, 1944.

Pat. 2,356,846. Telephone System. Aug. 29, 1944.

Pat. 2,356,864. Article Manipulating Apparatus. Aug. 29, 1944.

Pat. 2,356,867. Negative Resistance Loading. Aug. 29, 1944.

Pat. 2,356,897. Process for Electrodeposition of Metal. Aug. 29, 1944.

Pat. 2,356,905. Integer Storage Mechanism. Aug. 29, 1944.

Pat. 2,356,943. Transmission Control in Two-Way Signaling Systems. Aug. 29, 1944.

Pat. 2,356,956. Process of Carbonizing. Aug. 29, 1944.

Pat. 2,357,108. Switching Mechanisms. Aug. 29, 1944.

Pat. 2,357,118. Lineman's Cable Car. Aug. 29, 1944.

Pat. 2,357,285. Speed Regulation Systems. Sept. 5, 1944.

Pat. 2,357,297. Printing Telegraph System. Sept. 5, 1944.

Pat. 2,357,307. Work Supporting Fixture. Sept. 5, 1944.

Pat. 2,357,576. Pay Station Telephone Systems. Sept. 5, 1944.

Pat. 2,357,591. Joint for Metal Sheath Cable. Sept. 5, 1944.

Pat. 2,357,615. Machining Apparatus. Sept. 5, 1944.

Pat. 2,357,616. Machining Apparatus. Sept. 5, 1944.

Pat. 2,357,631. Feeding and Stacking Articles. Sept. 5, 1944.

Pat. 2,357,653. Method of Casting. Sept. 5, 1944.

Pat. 2,357,693. Assembling Apparatus. Sept. 5, 1944.

Pat. 2,357,840. Regenerative Telegraph Repeater. Sept. 12, 1944.

Pat. 2,357,867. Pressing Apparatus. Sept. 12, 1944.

Pat. 2,357,875. Conveyor System. Sept. 12, 1944.

Pat. 2,357,891. Electric Balance or Scale. Sept. 12, 1944.

Pat. 2,357,902. Article Forming Apparatus. Sept. 12, 1944.

Pat. 2,358,045. Noise Reduction in Signal Transmission Systems. Sept. 12, 1944.

Pat. 2,358,087. Electromechanical Filters. Sept. 12, 1944.

Pat. 2,358,095. Switching Devices. Sept. 12, 1944.

Pat. 2,358,099. Tone Control for Transmitters. Sept. 12, 1944.

Pat. 2,358,100. Double Regenerative Repeater. Sept. 12, 1944.

Pat. 2,358,123. Multiplex Repeater. Sept. 12, 1944.

Pat. 2,358,211. Resistors. Sept. 12, 1944.

Pat. 2,358,237. Telephone Systems. Sept. 12, 1944.

Pat. 2,358,267. Telephone Systems. Sept. 12, 1944.

Pat. 2,358,375. Communication System. Sept. 19, 1944.

Pat. 2,358,554. Lock Mechanism. Sept. 19, 1944.

Pat. 2,358,577. Device for Lifting Weights. Sept. 19, 1944.

Pat. 2,358,586. Telephone Call Transmitter. Sept. 19, 1944.

Pat. 2,358,593. Teletypewriter Recording System. Sept. 19, 1944.

Pat. 2,358,594. Telephone Broadcast System. Sept. 19, 1944.

Pat. 2,358,610. Telegraph Signaling System. Sept. 19, 1944.

Pat. 2,359,568. Cleaning Strands. Oct. 3, 1944.

Pat. 2,359,575. Assembling Apparatus. Oct. 3, 1944.

Pat. 2,359,590. Electrical Conductors and a Method of Making Them. Oct. 3, 1944.

Pat. 2,359,727. Electric Power Conversion. Oct. 3, 1944.

Pat. 2,359,823. Wrenches. Oct. 10, 1944.

Pat. 2,359,841. Telephone Call Transmitters. Oct. 10, 1944.

Pat. 2,360,037. Coating Apparatus. Oct. 10, 1944.

Pat. 2,360,040. Teletypewriter Cord Circuit. Oct. 10, 1944.

Pat. 2,360,063. Composite Articles. Oct. 10, 1944.

Pat. 2,360,068. Monitor Circuit for Welding Apparatus. Oct. 10, 1944.

Pat. 2,360,233. Thermistors as Amplifiers for Low Frequency Signals. Oct. 10, 1944.

Pat. 2,360,237. Cable Guide. Oct. 10, 1944.

Pat. 2,360,291. Telephone System. Oct. 10, 1944.

Pat. 2,360,317. Crimping Apparatus. Oct. 17, 1944.

Pat. 2,360,356. Cathode Ray Tube Circuit. Oct. 17, 1944.

Pat. 2,360,467. Electrical Devices. Oct. 17, 1944.

Pat. 2,360,479. Condenser Dielectric. Oct. 17, 1944.

Pat. 2,360,523. Electrical Measuring Apparatus. Oct. 17, 1944.

Pat. 2,360,579. Keyboard Telegraphy. Oct. 17, 1944.

Pat. 2,360,580. Telegraph Systems and Printing Apparatus. Oct. 17, 1944.

Pat. 2,360,591. Paper Tear-Off Device for Typing Apparatus. Oct. 17, 1944.

Pat. 2,360,618. Electrical Testing Device. Oct. 17, 1944.

Pat. 2,360,637. Reperforator Tape Feed-Out Arrangements. Oct. 17, 1944.

Pat. 2,360,643. Tow Hook Mounting for Vehicles. Oct. 17, 1944.

Pat. 2,360,702. Teletypewriter System. Oct. 17, 1944.

Pat. 2,360,721. Signaling Device. Oct. 17, 1944.

Pat. 2,360,749. Telephone System. Oct. 17, 1944.

Pat. 2,360,878. Telegraph System. Oct. 24, 1944.

Pat. 2,360,926. Signal Transmission System. Oct. 24, 1944.

Pat. 2,360,932. Negative Resistance Loading. Oct. 24, 1944.

Pat. 2,360,939. Magnetic Materials. Oct. 24, 1944.

Pat. 2,360,940. Negative Resistance Loading. Oct. 24, 1944.

Pat. 2,360,944. Testing Apparatus. Oct. 24, 1944.

Pat. 2,360,960. Winding Apparatus. Oct. 24, 1944.

Pat. 2,360,989. Service Observing System. Oct. 24, 1944.

Pat. 2,361,004. Telegraph Recorder Control. Oct. 24, 1944.

Pat. 2,361,013. Electrolytic Refining of Copper-Bearing Materials. Oct. 24, 1944.

Pat. 2,361,073. Telegraph Recorder Control. Oct. 24, 1944.

Pat. 2,361,160. Line With Negative Resistance Loading. Oct. 24, 1944.

Pat. 2,361,203. Electron Discharge Device. Oct. 24, 1944.

Pat. 2,361,246. Card Translator. Oct. 24, 1944.

Pat. 2,361,258. Reeling Device. Oct. 24, 1944.

Pat. 2,361,523. Cross-Talk Improvement. Oct. 31, 1944.

Pat. 2,361,542. Relays. Oct. 31, 1944.

Pat. 2,361,579. Panel Selector Switch. Oct. 31, 1944.

Pat. 2,361,590. Tetrachloro Fluorotoluene. Oct. 31, 1944.

Pat. 2,361,591. Pentamethyl Fluorobensene. Oct. 31, 1944.

Pat. 2,361,593. Transmission Regulation. Oct. 31, 1944.

Pat. 2,361,680. Reducing Edge Leakage in Metal Oxide-Metal Rectifiers. Oct. 31, 1944.

Pat. 2,361,696. Telegraph Recorder Control. Oct. 31, 1944.

Pat. 2,361,719. Electron Discharge Devices. Oct. 31, 1944.

Pat. 2,361,859. Slide Card Translators. Oct. 31, 1944.

Pat. 2,361,880. Telephone Sets. Oct. 31, 1944.

Pat. 2,361,990. Vibration Analyser. Nov. 7, 1944.

Pat. 2,362,043. Article Handling Apparatus. Nov. 7, 1944.

Pat. 2,362,048. Molding Presses. Nov. 7, 1944.

Pat. 2,362,056. Piezoelectric Crystals. Nov. 7, 1944.

Pat. 2,362,079. Conveyor Apparatus. Nov. 7, 1944.

Pat. 2,362,182. Cellulose Acetate Solutions. Nov. 7, 1944.

Pat. 2,362,195. Electric Wave Amplifier With Feedback. Nov. 7, 1944.

Pat. 2,362,228. Forming Contacts on Metal Oxide-Metal Rectifiers. Nov. 7, 1944.

Pat. 2,362,348. Transmission Monitoring System. Nov. 7, 1944.

Pat. 2,362,359. Attenuation Regulators. Nov. 7, 1944.

Pat. 2,362,369. Signaling System. Nov. 7, 1944.

Pat. 2,362,425. Time Measuring Equipment. Nov. 7, 1944.

Pat. 2,362,428. Dielectric Materials and Electrical Apparatus Containing Them. Nov. 7, 1944.

Pat. 2,362,545. Selenium Rectifiers. Nov. 14, 1944.

Pat. 2,362,549. Wave Transmission Network. Nov. 14, 1944.

Pat. 2,362,551. Switching Mechanism. Nov. 14, 1944.

Pat. 2,362,619. Telephone Systems. Nov. 14, 1944.

Pat. 2,362,632. Selector Switch. Nov. 14, 1944.

Pat. 2,362,665. Unwinding Control Devices. Nov. 14, 1944.

Pat. 2,362,898. Signal Transmission System. Nov. 14, 1944.

Pat. 2,362,928. Annunciator System. Nov. 14, 1944.

Pat. 2,362,937. Electric Discharge Device. Nov. 14, 1944.

Pat. 2,363,062. Signaling Systems. Nov. 21, 1944.

Pat. 2,363,076. Grapple. Nov. 21, 1944.

Pat. 2,363,205. Strand Handling Apparatus. Nov. 21, 1944.

Pat. 2,363,208. Control Devices. Nov. 21, 1944.

Pat. 2,363,253. Helix Clutch. Nov. 21, 1944.

Pat. 2,363,571. Radio Signaling. Nov. 28, 1944.

Pat. 2,363,581. Polyesters. Nov. 28, 1944.

Pat. 2,363,588. Two-Way Radio Communication. Nov. 28, 1944.

Pat. 2,363,659. Electric Circuit. Nov. 28, 1944.

Pat. 2,363,671. Telephone System. Nov. 28, 1944.

Pat. 2,363,683. Switching Mechanism. Nov. 28, 1944.

Pat. 2,363,781. Metallic Coatings by Thermal Evaporation. Nov. 28, 1944.

Pat. 2,363,791. Self-Synchronising Device. Nov. 28, 1944.

Pat. 2,363,816. Backboard Support for Telephone Coin Collectors. Nov. 28, 1944.

Pat. 2,364,068. Remote Control System. Dec. 5, 1944.

Pat. 2,364,136. Temperature Regulated Electronic Apparatus. Dec. 5, 1944.

Pat. 2,364,146. Automatic Telephone System. Dec. 5, 1944.

Pat. 2,364,147. Time-of-Day Announcing System. Dec. 5, 1944.

Pat. 2,364,190. Measuring Systems and Circuits. Dec. 5, 1944.

Pat. 2,364,204. Heat-Oxygen Treated Polyamides. Dec. 5, 1944.

Pat. 2,364,417. Telegraph System. Dec. 5, 1944.

Pat. 2,364,444. Timing Mechanism. Dec. 5, 1944.

Pat. 2,364,445. Telephone System. Dec. 5, 1944.

Pat. 2,364,446. Card Translators. Dec. 5, 1944.

Pat. 2,364,560. Fabric Covered Cores. Dec. 5, 1944.

Pat. 2,364,561. Covered Cores. Dec. 5, 1944.

Pat. 2,364,689. Assembling Apparatus. Dec. 12, 1944.

Pat. 2,364,704. Cleaning Apparatus. Dec. 12, 1944.

Pat. 2,364,752. Treating Strands. Dec. 12, 1944.

Pat. 2,364,771. Telephone Signaling Systems. Dec. 12, 1944.

Pat. 2,364,796. Trouble Indicating System. Dec. 12, 1944.

Pat. 2,364,808. Strand Handling Apparatus. Dec. 12, 1944.

Pat. 2,364,984. Strand Handling Machines. Dec. 12, 1944.

Pat. 2,364,989. Material Forming Apparatus. Dec. 12, 1944.

Pat. 2,365,273. Combined Testing and Working Fixture. Dec. 19, 1944.

Pat. 2,365,277. Material Handling Apparatus. Dec. 19, 1944.

Pat. 2,365,672. Vibrating Relay Modulator Circuit. Dec. 26, 1944.

Pat. 2,365,689. Signaling System. Dec. 26, 1944.

Pat. 2,365,750. Telegraph Switching System. Dec. 26, 1944.

Pat. 2,365,803. Article Assembling Apparatus. Dec. 26, 1944.

Pat. 2,365,816. Supervisory Systems for Telegraph Circuits. Dec. 26, 1944.

Pat. 2,365,840. Bearing Devices. Dec. 26, 1944.

Pat. 2,366,193. Computing Systems. Jan. 2, 1945.

Pat. 2,366,271. Stripping Material. Jan. 2, 1945.

Pat. 2,366,279. Conveyor Systems. Jan. 2, 1945.

Pat. 2,366,476. Elapsed Time Indicator. Jan. 2, 1945.

Pat. 2,366,583. Control System. Jan. 2, 1945.

Pat. 2,366,733. Communication System. Jan. 9, 1945.

Pat. 2,366,822. Ultrasonic Cell. Jan. 9, 1945.

Pat. 2,366,834. Pulse Repeating System. Jan. 9, 1945.

Pat. 2,366,835. Pulse Repeating System. Jan. 9, 1945.

Pat. 2,366,836. Pulse Repeating Systems. Jan. 9, 1945.

Pat. 2,366,837. Pulse Repeating Systems. Jan. 9, 1945.

Pat. 2,366,838. Pulse Repeating System. Jan. 9, 1945.

Pat. 2,366,954. Piezoelectric Crystals. Jan. 9, 1945.

Pat. 2,366,976. Compressing Apparatus. Jan. 9, 1945.

Pat. 2,366,998. Accounting and Statistical System. Jan. 9, 1945.

Pat. 2,367,013. Insulation Test Set. Jan. 9, 1945.

Pat. 2,367,042. Signaling Apparatus. Jan. 9, 1945.

Pat. 2,367,054. Signaling System. Jan. 9, 1945.

Pat. 2,367,062. Telephone System. Jan. 9, 1945.

Pat. 2,367,082. Supporting Apparatus. Jan. 9, 1945.

Pat. 2,367,113. Electrographic Recording Medium. Jan. 9, 1945.

Pat. 2,367,146. Flooring. Jan. 9, 1945.

Pat. 2,367,147. Vacuum Tube Mode Lock Forming Apparatus. Jan. 9, 1945.

Pat. 2,367,295. Electron Discharge Devices. Jan. 16, 1945.

Pat. 2,367,296. Leaded Phenol Resins. Jan. 16, 1945.

Pat. 2,367,297. Working Articles. Jan. 16, 1945.

Pat. 2,367,314. Electrolytic Method of Coating Localised Areas of Articles. Jan. 16, 1945.

Pat. 2,367,427. Telegraph Transmission System. Jan. 16, 1945.

Pat. 2,367,489. Winding Apparatus. Jan. 16, 1945.

Pat. 2,367,505. Article Handling Apparatus. Jan. 16, 1945.

Pat. 2,367,509. High or Low Voltage Detector. Jan. 16, 1945.

Pat. 2,367,513. Testing Apparatus. Jan. 16, 1945.

Pat. 2,367,518. Signaling Systems. Jan. 16, 1945.

Pat. 2,367,522. Signaling System. Jan. 16, 1945.

Pat. 2,367,711. Broad Band Amplifier. Jan. 23, 1945.

Pat. 2,367,728. Balanced Cathode Ray Sweep Circuit. Jan. 23, 1945.

Pat. 2,367,769. Telephone Systems. Jan. 23, 1945.

Pat. 2,367,792. Signaling Systems. Jan. 23, 1945.

Pat. 2,367,863. Centrifugal Chuck. Jan. 23, 1945.

Pat. 2,367,885. Signaling Systems. Jan. 23, 1945.

Pat. 2,367,901. Printing Telegraph Apparatus. Jan. 23, 1945.

Pat. 2,367,910. Start-Stop Regenerative Telegraph Repeaters. Jan. 23, 1945.

Pat. 2,368,031. Electron Discharge Devices. Jan. 23, 1945.

Pat. 2,368,056. Signaling Systems. Jan. 23, 1945.

Pat. 2,368,060. Coating of Electron Discharge Device Parts. Jan. 23, 1945.

Pat. 2,368,197. Relay Operation. Jan. 30, 1945.

Pat. 2,368,264. Battery Charging System. Jan. 30, 1945.

Pat. 2,368,665. Distillation Methods and Apparatus. Feb. 6, 1945.

Pat. 2,368,666. Teletypewriter Exchange System. Feb. 6, 1945.

Pat. 2,368,688. Electrolytic Device. Feb. 6, 1945.

Pat. 2,368,715. Teletypewriter Exchange Systems. Feb. 6, 1945.

Pat. 2,368,746. Liquid Handling Apparatus. Feb. 6, 1945.

Pat. 2,368,751. Charging Extrusion Presses. Feb. 6, 1945.

Pat. 2,368,763. Testing Covers on Cores. Feb. 6, 1945.

Pat. 2,368,786. Material Working Apparatus. Feb. 6, 1945.

Pat. 2,369,028. Treating of Non-Ferrous Materials. Feb. 6, 1945.

Pat. 2,369,029. Smelting of Non-Ferrous Materials. Feb. 6, 1945.

Pat. 2,369,030. Amplifier Circuit. Feb. 6, 1945.

Pat. 2,369,045. Electric Heating Unit. Feb. 6, 1945.

Pat. 2,369,062. Automatic Toll Ticketing Systems. Feb. 6, 1945.

Pat. 2,369,070. Signal for Electric Bridge Measurements. Feb. 6, 1945.

Pat. 2,369,291. Molding. Feb. 13, 1945.

Pat. 2,369,298. Machine Control Mechanism. Feb. 13, 1945.

Pat. 2,369,318. Forming Metallic Articles. Feb. 13, 1945.

Pat. 2,369,329. Wire Straightening Apparatus. Feb. 13, 1945.

Pat. 2,369,561. Coating Apparatus. Feb. 13, 1945.

Pat. 2,369,565. Annealing Articles. Feb. 13, 1945.

Pat. 2,369,569. Electron Camera Tube. Feb. 13, 1945.

Pat. 2,369,578. Telegraph Station Selector System. Feb. 13, 1945.

Pat. 2,369,616. Contacting Devices. Feb. 13, 1945.

Pat. 2,369,619. Relay Testing System. Feb. 13, 1945.

Pat. 2,369,663. Synchronising System. Feb. 20, 1945.

Pat. 2,369,799. Testing Apparatus. Feb. 20, 1945.

Pat. 2,369,808. Short-Wave Radio Transmission. Feb. 20, 1945.

Pat. 2,369,935. Automatic Telegraph Transmitter System. Feb. 20, 1945.

Pat. 2,370,203. Sealed Reed Contact Unit. Feb. 27, 1945.

Pat. 2,370,221. Electric Wave Circuits. Feb. 27, 1945.

Pat. 2,370,239. Special Service Telephone System. Feb. 27, 1945.

Pat. 2,370,264. Telephone Call Transmitters. Feb. 27, 1945.

Pat. 2,370,385. Acoustic Measurement and Apparatus. Feb. 27, 1945.

Pat. 2,370,403. Telephone Systems. Feb. 27, 1945.

Pat. 2,370,420. Electrolytic Apparatus. Feb. 27, 1945.

Pat. 2,370,685. Electrical Timing Circuits. Mar. 6, 1945.

Pat. 2,370,712. Automatic Toll Ticketing System. Mar. 6, 1945.

Pat. 2,370,727. Time Measuring Systems. Mar. 6, 1945.

Pat. 2,370,736. Telephone Systems. Mar. 6, 1945.

Pat. 2,371,034. Distributor Mechanisms. Mar. 6, 1945.

Pat. 2,371,063. Article Handling Apparatus. Mar. 6, 1945.

Pat. 2,371,085. Handling Articles. Mar. 6, 1945.

Pat. 2,371,311. Station Selection System. Mar. 13, 1945.

Pat. 2,371,613. Piezoelectric Crystal Apparatus. Mar. 20, 1945.

Pat. 2,371,671. Metal Rolling Processes. Mar. 20, 1945.

Pat. 2,371,675. Tray Supporting Tables. Mar. 20, 1945.

Pat. 2,371,679. Material Extruding Apparatus. Mar. 20, 1945.

Pat. 2,371,780. Filament Winding Apparatus. Mar. 20, 1945.

Pat. 2,371,781. Winding Apparatus. Mar. 20, 1945.

Pat. 2,371,782. Filament Winding Apparatus. Mar. 20, 1945.

Pat. 2,371,968. Telephone Booth. Mar. 20, 1945.

Pat. 2,371,972. Signaling System. Mar. 20, 1945.

Pat. 2,372,022. Signaling Systems. Mar. 20, 1945.

Pat. 2,372,025. Material Handling Apparatus. Mar. 20, 1945.

Pat. 2,372,193. Producing and Transmitting Electromagnetic Waves. Mar. 27, 1945.

Pat. 2,372,228. High Frequency Tanks and Resonant Cavities. Mar. 27, 1945.

Pat. 2,372,262. Telephone Station Circuits. Mar. 27, 1945.

Pat. 2,372,268. Call Transmitter. Mar. 27, 1945.

Pat. 2,372,323. Armored Conductor Structures. Mar. 27, 1945.

Pat. 2,372,329. Satellite Teletypewriter Switching System. Mar. 27, 1945.

Pat. 2,372,353. Telephone Systems. Mar. 27, 1945.

Pat. 2,372,359. Luminescent Target. Mar. 27, 1945.

Pat. 2,372,400. Winding Material. Mar. 27, 1945.

Pat. 2,372,515. Automatic Transmitter. Mar. 27, 1945.

Pat. 2,372,759. Electrical Transmission Testing Systems. Apr. 3, 1945.

Pat. 2,372,782. Selector Switch. Apr. 3, 1945.

Pat. 2,372,789. Conveyor Systems. Apr. 3, 1945.

Pat. 2,373,041. Fluid Flow Responsive Devices. Apr. 3, 1945.

Pat. 2,373,042. Fluid Actuated Devices. Apr. 3, 1945.

Pat. 2,373,093. Process for Inhibiting Cracking of Polymeric Bodies. Apr. 10, 1945.

Pat. 2,373,134. Signaling System. Apr. 10, 1945.

Pat. 2,373,160. Resistors Having a High Temperature Coefficient of Resistance. Apr. 10, 1945.

Pat. 2,373,167. Extrusion Apparatus. Apr. 10, 1945.

Pat. 2,373,175. Electron Discharge Apparatus. Apr. 10, 1945.

Pat. 2,373,188. Signaling System. Apr. 10, 1945.

Pat. 2,373,200. Testing Coating Materials. Apr. 10, 1945.

Pat. 2,373,208. Voltage Regulation. Apr. 10, 1945.

Pat. 2,373,383. Self-Regulating Rectifier. Apr. 10, 1945.

Pat. 2,373,395. Electron Discharge Device. Apr. 10, 1945.

Pat. 2,373,396. Electron Discharge Device. Apr. 10, 1945.

Pat. 2,373,431. Electric Wave Filters. Apr. 10, 1945.

Pat. 2,373,530. Tube Forming Dies. Apr. 10, 1945.

Pat. 2,373,531. Tube Forming Dies. Apr. 10, 1945.

Pat. 2,373,569. Wave Translating System. Apr. 10, 1945.

Pat. 2,373,624. Negative Resistance Loading. Apr. 10, 1945.

Pat. 2,373,675. Party Line Printing Telegraph System. Apr. 17, 1945.

Pat. 2,373,816. Continuous Vulcanization Processes and Apparatus. Apr. 17, 1945.

Pat. 2,373,823. Coating. Apr. 17, 1945.

Pat. 2,373,840. Sound Film Reproducing System. Apr. 17, 1945.

Pat. 2,373,841. Electrical Connectors. Apr. 17, 1945.

Pat. 2,373,861. Contact Wiper Springs. Apr. 17, 1945.

Pat. 2,374,072. Telephone System. Apr. 17, 1945.

Pat. 2,374,082. Telephone Call Transmitter. Apr. 17, 1945.

Pat. 2,374,090. Intensifying Speech in the Human Vocal Cavities. Apr. 17, 1945.

Pat. 2,374,264. Communication System. Apr. 24, 1945.

Pat. 2,374,301. Trimming Apparatus. Apr. 24, 1945.

Pat. 2,374,358. Assembling Apparatus. Apr. 24, 1945.

Pat. 2,374,376. Material Working Apparatus. Apr. 24, 1945.

Pat. 2,374,546. Manufacture of Electron Discharge Devices. Apr. 24, 1945.

Pat. 2,374,595. Reciprocable Telescopic Members. Apr. 24, 1945.

Pat. 2,374,872. Attenuation Equalizer. May 1, 1945.

Pat. 2,374,884. Signaling Systems. May 1, 1945.

Pat. 2,374,908. Selective Calling System. May 1, 1945.

Pat. 2,374,925. Folding Door. May 1, 1945.

Pat. 2,374,962. Telephone Set. May 1, 1945.

Pat. 2,374,964. Telephone Systems. May 1, 1945.

Pat. 2,374,973. Nitro-Dichloro-Xylene Compositions. May 1, 1945.

Pat. 2,374,992. Selector Switches. May 1, 1945.

Pat. 2,375,017. Electromagnetic Devices. May 1, 1945.

Pat. 2,375,044. Selecting System. May 1, 1945.

Pat. 2,375,048. Selective Signaling System. May 1, 1945.

Pat. 2,375,051. Radio Receiving Systems. May 1, 1945.

Pat. 2,375,053. Signaling Systems. May 1, 1945.

Pat. 2,375,064. Teletypewriter Control System. May 1, 1945.

Pat. 2,375,066. Automatic Coin Return System. May 1, 1945.

Pat. 2,375,073. Plow Point. May 1, 1945.

Pat. 2,375,100. Electromagnetic Relays. May 1, 1945.

Pat. 2,375,109. Telephone Call Transmitters. May 1, 1945.

Pat. 2,375,125. Teletypewriter Synchronizing Arrangements. May 1, 1945.

Pat. 2,375,126. Diversity Radio Receiver. May 1, 1945.

Pat. 2,375,183. Automatic Tuning. May 1, 1945.

Pat. 2,375,136. Telephone System. May 1, 1945.

Pat. 2,375,272. Electric Cables. May 8, 1945.

Pat. 2,375,273. Electric Oscillation Generating Circuit Including a Thermoresponsive Impedance Element. May 8, 1945.

Pat. 2,375,280. Manometer Circuits. May 8, 1945.

Pat. 2,375,383. Selective Signaling System. May 8, 1945.

Pat. 2,375,385. Gaging and Sorting Apparatus. May 8, 1945.

Pat. 2,375,791. Telephone Station Circuit. May 15, 1945.

Pat. 2,375,794. Telegraph Switching System. May 15, 1945.

Pat. 2,375,856. Satellite Teletypewriter Switching Systems. May 15, 1945.

Pat. 2,375,861. Wrapping Articles With Strands. May 15, 1945.

Pat. 2,375,862. Serving Strands Upon Articles. May 15, 1945.

Pat. 2,375,863. Conveyor Systems. May 15, 1945.

Pat. 2,375,946. Control Systems. May 15, 1945.

Pat. 2,376,111. Telegraph System. May 15, 1945.

Pat. 2,376,131. Alternating Current Generator. May 15, 1945.

Pat. 2,376,225. Telegraph Transmission Measuring System. May 15, 1945.

Pat. 2,376,232. Testing Device. May 15, 1945.

Pat. 2,376,248. Telegraph Systems. May 15, 1945.

Pat. 2,376,272. Automatic Telephone Answering System. May 15, 1945.

Pat. 2,376,275. Signaling System. May 15, 1945.

Pat. 2,376,895. Electron Switching Means and Circuit. May 22, 1945.

Pat. 2,376,829. Material Working Apparatus. May 22, 1945.

Pat. 2,376,832. Material Applying Apparatus. May 22, 1945.

Pat. 2,376,858. Removing Coverings From Elongated Articles. May 29, 1945.

Pat. 2,377,003. Extensible Retractile Cords. May 29, 1945.

Pat. 2,377,321. Enamel Coated Articles. June 5, 1945.

Pat. 2,377,349. Vibration Analyser. June 5, 1945.

Pat. 2,377,355. Casing for Electrical Devices. June 5, 1945.

Pat. 2,377,370. Voltage Regulation. June 5, 1945.

Pat. 2,377,394. Cable Splicing Apparatus. June 5, 1945.

Pat. 2,377,409. Article Feeding Apparatus. June 5, 1945.

Pat. 2,377,420. Electrical Coils. June 5, 1945.

Pat. 2,377,438. Testing Apparatus. June 5, 1945.

Pat. 2,377,453. Telephone System. June 5, 1945.

Pat. 2,377,573. Tape Message Containers. June 5, 1945.

Pat. 2,377,858. Carrier Wave Modulation. June 12, 1945.

Pat. 2,377,862. X-Ray Analysis Apparatus. June 12, 1945.

Pat. 2,377,890. Selective Telegraph System. June 12, 1945.

Pat. 2,378,033. Mechanical Motion. June 12, 1945.

Pat. 2,378,541. Traffic Observing Apparatus. June 19, 1945.

Pat. 2,378,547. Television Systems. June 19, 1945.

Pat. 2,378,562. Dies and Methods of Making the Same. June 19, 1945.

Pat. 2,378,568. Material Handling Apparatus. June 19, 1945.

Pat. 2,378,570. Grapple. June 19, 1945.

Pat. 2,378,586. Molding Apparatus. June 19, 1945.

Pat. 2,378,596. Valves. June 19, 1945.

Pat. 2,378,598. Coating. June 19, 1945.

Pat. 2,378,599. Material Coating Apparatus. June 19, 1945.

Pat. 2,378,944. Detector System for Very Short Electric Waves. June 26, 1945.

Pat. 2,378,986. Polarized Relay. June 26, 1945.

Pat. 2,379,013. Fuse Construction. June 26, 1945.

Pat. 2,379,042. Modulator. June 26, 1945.

Pat. 2,379,047. Bridging Conductor. June 26, 1945.

Pat. 2,379,052. Receiver for Single Side Band System. June 26, 1945.

Pat. 2,379,055. Signal Wave Transmission Systems. June 26, 1945.

Pat. 2,379,061. Tie Lines. June 26, 1945.

Pat. 2,379,069. Automatic Line Testing and Switching Circuits. June 26, 1945.

Pat. 2,379,089. Base for Telephone Booths. June 26, 1945.

Pat. 2,379,093. Signaling System. June 26, 1945.

Pat. 2,379,211. Distortion Correction in Wave Transmission. June 26, 1945.

Pat. 2,379,221. Communication Systems. June 26, 1945.

Pat. 2,379,253. Regenerative Repeating System. June 26, 1945.

Pat. 2,379,262. Electric Control Circuits. June 26, 1945.

Pat. 2,379,456. Telephone System. July 3, 1945.

Pat. 2,379,457. Variable Inductive Device. July 3, 1945.

Pat. 2,379,694. Stabilized Oscillator. July 3, 1945.

Pat. 2,379,715. Communication Systems. July 3, 1945.

Pat. 2,379,744. Electric Circuit Arrangement Employing Delay Networks. July 3, 1945.

Pat. 2,379,755. Handling Strands. July 3, 1945.

Pat. 2,379,756. Insulating Sheath on an Electrical Conductor Strand. July 3, 1945.

Pat. 2,379,768. Transmission Control in Two-Way Signaling System. July 3, 1945.

Pat. 2,379,818. Couplings Between Resonators and Electron Streams. July 3, 1945.

Pat. 2,379,819. Frequency Modulator. July 3, 1945.

Pat. 2,379,869. Directional Compass for Aircraft Trainers. July 10, 1945.

Pat. 2,379,880. High Speed Telegraph Systems. July 10, 1945.

Pat. 2,379,891. Sound Translating Device. July 10, 1945.

Pat. 2,379,910. Telegraph System. July 10, 1945.

Pat. 2,379,942. Cable Terminating Means. July 10, 1945.

Pat. 2,379,947. Testing Devices. July 10, 1945.

Pat. 2,379,952. Coaxial Impedance Element. July 10, 1945.

Pat. 2,379,982. Truck. July 10, 1945.

Pat. 2,379,987. Switchboard Systems. July 10, 1945.

Pat. 2,380,007. Telegraph Switching System. July 10, 1945.

Pat. 2,380,212. Article Working. July 10, 1945.

Pat. 2,380,269. Apparatus for Bonding One Article to Another. July 10, 1945.

Pat. 2,380,422. Strand Coating Apparatus. July 31, 1945.

Pat. 2,380,502. Electronic Discharge Device. July 31, 1945.

Pat. 2,380,529. Welding Apparatus. July 31, 1945.

Pat. 2,380,541. Relays. July 31, 1945.

Pat. 2,380,722. Making Articles. July 31, 1945.

Pat. 2,380,746. Forming Identification Badges. July 31, 1945.

Pat. 2,380,750. Routing Apparatus. July 31, 1945.

Pat. 2,380,982. Electronic Communication of Currents. Aug. 7, 1945.

Pat. 2,381,370. Parts for Knitting Machines. Aug. 7, 1945.

Pat. 2,381,463. Magnetic Sound Record. Aug. 7, 1945.

Pat. 2,381,535. Tape Reel. Aug. 7, 1945.

Pat. 2,381,539. Electron Discharge Device. Aug. 7, 1945.

Pat. 2,381,566. Printing Telegraph Apparatus. Aug. 7, 1945.

Pat. 2,381,871. Communication System. Aug. 14, 1945.

Pat. 2,381,872. Artificial Horizon and Bank Indicator for Aircraft Trainers. Aug. 14, 1945.

Pat. 2, 381,920. Telemetric Device. Aug. 14, 1945.

Pat. 2,381,978. Impulse Transmitter. Aug. 14, 1945.

Pat. 2,381,986. Communication Apparatus. Aug. 14, 1945.

Pat. 2,381,993. Cutting Quartz Crystal and Preparing Quartz Crystal for Cutting. Aug. 14, 1945.

Pat. 2,382,024. Resistors. Aug. 14, 1945.

Pat. 2,382,128. Telegraph Switching System. Aug. 14, 1945.

Pat. 2,382,174. Scale Printing Apparatus. Aug. 14, 1945.

Pat. 2,382,200. Molding Apparatus. Aug. 14, 1945.

Pat. 2,382,233. Article Supporting Devices. Aug. 14, 1945.

Pat. 2,382,251. Telegraph Perforator Transmitter. Aug. 14, 1945.

Pat. 2,382,317. Reclamation Process. Aug. 14, 1945.

Pat. 2,382,428. Clamping Device. Aug. 14, 1945.

Pat. 2,382,436. Reactance Tube Circuit. Aug. 14, 1945.

Pat. 2,382,451. Core Winding Apparatus. Aug. 14, 1945.

Pat. 2,382,558. Printing Telegraph Apparatus. Aug. 14, 1945.

Pat. 2,382,596. Mechanical Extensor. Aug. 14, 1945.

Pat. 2,382,649. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,650. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,651. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,652. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,653. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,654. Magnetic Materials. Aug. 14, 1945.

Pat. 2,382,846. Differential Gearing. Aug. 14, 1945.

Pat. 2,382,856. Trucks. Aug. 14, 1945.

Pat. 2,382,863. Article Handling Apparatus. Aug. 14, 1945.

Pat. 2,382,892. Cleaning Apparatus. Aug. 14, 1945.

Pat. 2,382,893. Telephone Systems. Aug. 14, 1945.

Pat. 2,382,897. Material Forming Apparatus. Aug. 14, 1945.

Pat. 2,382,903. Lapping Machine. Aug. 14, 1945.

Pat. 2,382,922. Strand Handling Apparatus. Aug. 14, 1945.

Pat. 2,382,994. Electric Maneuvering Board. Aug. 21, 1945.

Pat. 2,383,759. Revertive Pulse Repeater. Aug. 28, 1945.

Pat. 2,383,764. X-Ray Analysis. Aug. 28, 1945.

Pat. 2,383,770. Electrical Measuring System. Aug. 28, 1945.

Pat. 2,383,777. Sub-Harmonic Generator. Aug. 28, 1945.

Pat. 2,383,788. Telegraph System. Aug. 28, 1945.

Pat. 2,383,794. Telephone System. Aug. 28, 1945.

Pat. 2,383,826. Line Usage Recorder Circuit. Aug. 28, 1945.

Pat. 2,383,908. Radio Telephone Systems. Aug. 28, 1945.

Pat. 2,383,925. Electron Discharge Device. Aug. 28, 1945.

Pat. 2,383,969. Permanent Magnet Steel. Sept. 4, 1945.

Pat. 2,384,194. Tape Distribution System. Sept. 4, 1945.

Pat. 2,384,307. Material Handling Apparatus. Sept. 4, 1945.

Pat. 2,384,336. Signaling System. Sept. 4, 1945.

Pat. 2,384,379. Electrical Impulse Counting Circuits. Sept. 4, 1945.

Pat. 2,384,440. Hanger Devices. Sept. 11, 1945.

Pat. 2,384,456. Radio Receiving System. Sept. 11, 1945.

Pat. 2,384,541. Condenser Material. Sept. 11, 1945.

Pat. 2,384,542. Inorganic Insulation for Electrical Conductors. Sept. 11, 1945.

Pat. 2,384,558. Selecting Impulse Transmitter. Sept. 11, 1945.

Pat. 2,384,560. Article Assembling Apparatus. Sept. 11, 1945.

Pat. 2,384,575. Tape Dispenser. Sept. 11, 1945.

Pat. 2,384,620. Telephone Systems. Sept. 11, 1945.

Pat. 2,384,634. Time-of-Day Announcing System. Sept. 11, 1945.

Pat. 2,385,061. Communication Systems. Sept. 18, 1945.

Pat. 2,385,260. Crystal Controlled Oscillator. Sept. 18, 1945.

Pat. 2,385,265. Substation Circuit. Sept. 18, 1945.

Pat. 2,385,279. Distant Talking Loudspeaker Telephone System. Sept. 18, 1945.

Pat. 2,385,313. Preparing a Coating Suspension. Sept. 18, 1945.

Pat. 2,385,839. Signaling Device. Sept. 25, 1945.

Pat. 2,386,004. Telegraph System. Oct. 2, 1945.

Pat. 2,386,090. Coating Apparatus. Oct. 2, 1945.

Pat. 2,386,127. Testing Apparatus. Oct. 2, 1945.

Pat. 2,386,133. Call Transmitter. Oct. 2, 1945.

Pat. 2,386,148. Treating Strand Materials. Oct. 2, 1945.

Pat. 2,386,290. Tool. Oct. 9, 1945.

Pat. 2,386,327. Insulation Stripping Pliers. Oct. 9, 1945.

Pat. 2,386,328. Insulation Cutting Tools. Oct. 9, 1945.

Pat. 2,386,454. High Molecular Weight Linear Polyester-Amides. Oct. 9, 1945.

Pat. 2,386,486. Call Transmitter. Oct. 9, 1945.

Pat. 2,386,515. Two-Way Carrier Wave Signal Transmission System. Oct. 9, 1945.

Pat. 2,386,545. Article Handling Apparatus. Oct. 9, 1945.

Pat. 2,386,547. Material Handling Apparatus. Oct. 9, 1945.

Pat. 2,386,566. Telegraph Signaling System. Oct. 9, 1945.

Pat. 2,386,609. Telephone Systems. Oct. 9, 1945.

Pat. 2,386,633. Ceramic Material. Oct. 9, 1945.

Pat. 2,386,638. Power Plants. Oct. 9, 1945.

Pat. 2,386,645. Speed Regulating Devices. Oct. 9, 1945.

Pat. 2,386,753. Insulated Electrical Conductor and Cable. Oct. 16, 1945.

Pat. 2,386,760. Pulse Controlling Apparatus. Oct. 16, 1945.

Pat. 2,386,763. Recorded Controlled System. Oct. 16, 1945.

Pat. 2,386,903. Temperature Control Apparatus. Oct. 16, 1945.

Pat. 2,386,906. Tilting Apparatus. Oct. 16, 1945.

Pat. 2,386,916. Piezoelectric Crystals. Oct. 16, 1945.

Pat. 2,387,017. Electric Switches. Oct. 16, 1945.

Pat. 2,387,018. Communication Systems. Oct. 16, 1945.

Pat. 2,387,045. Electron Beam Rotation Synchronising Circuit. Oct. 16, 1945.

Pat. 2,387,067. Welding Apparatus. Oct. 16, 1945.

Pat. 2,387,074. Material Working Apparatus. Oct. 16, 1945.

Pat. 2,387,083. Article Assembling Fixtures. Oct. 16, 1945.

Pat. 2,387,094. Article Coating Apparatus. Oct. 16, 1945.

Pat. 2,387,160. Article Handling Apparatus. Oct. 16, 1945.

Pat. 2,387,191. Insulating Electrical Conductors. Oct. 16, 1945.

Pat. 2,387,269. Telephone System. Oct. 23, 1945.

Pat. 2,387,498. Coated Article. Oct. 23, 1945.

Pat. 2,387,532. Machine Controls. Oct. 23, 1945.

Pat. 2,387,558. Teletypewriter Testing System. Oct. 23, 1945.

Pat. 2,387,570. Distributing Control Device. Oct. 23, 1945.

Pat. 2,387,584. Card and Picture Frames. Oct. 23, 1945.

Pat. 2,387,652. Signal Transmission System. Oct. 23, 1945.

Pat. 2,387,671. Alternating Current Signal Receiver. Oct. 23, 1945.

Pat. 2,387,678. Recording Systems. Oct. 23, 1945.

Pat. 2,387,712. Transmission System. Oct. 30, 1945.

Pat. 2,387,719. Key Equipped Telephone Sets. Oct. 30, 1945.

Pat. 2,387,810. Control Apparatus. Oct. 30, 1945.

Pat. 2,387,825. Conoscope. Oct. 30, 1945.

Pat. 2,387,845. Electroacoustic Transducers. Oct. 30, 1945.

Pat. 2,388,005. Article Handling Apparatus. Oct. 30, 1945.

Pat. 2,388,018. Wrapping Elongated Articles. Oct. 30, 1945.

Pat. 2,388,034. Primary and Secondary Amines. Oct. 30, 1945.

Pat. 2,388,035. Polyamides. Oct. 30, 1945.

Pat. 2,388,071. Selective Ringing Telephone System. Oct. 30, 1945.

Pat. 2,388,115. Die. Oct. 30, 1945.

Pat. 2,388,136. Party-Line Printing Telegraph Systems. Oct. 30, 1945.

Pat. 2,388,152. Material Working Apparatus. Oct. 30, 1945.

Pat. 2,388,289. Electron Discharge Devices. Nov. 6, 1945.

Pat. 2,388,313. Telephone Call Transmitters. Nov. 6, 1945.

Pat. 2,388,318. Polyesters. Nov. 6, 1945.

Pat. 2,388,319. Manufacture of Cross-Linked Polyesters and Electrical Conductors Containing Them. Nov. 6, 1945.

Pat. 2,388,347. Signaling System. Nov. 6, 1945.

Pat. 2,388,358. Impulse Transmitters. Nov. 6, 1945.

Pat. 2,388,488. Telephone Systems. Nov. 6, 1945.

Pat. 2,388,596. Piezoelectric Crystals. Nov. 6, 1945.

Pat. 2,388,598. Making Coils. Nov. 6, 1945.

Pat. 2,388,621. Article Working Apparatus. Nov. 6, 1945.

Pat. 2,388,662. Liquid Measuring Apparatus. Nov. 13, 1945.

Pat. 2,388,664. Magnetic Materials. Nov. 13, 1945.

Pat. 2,388,667. Electrical Devices. Nov. 13, 1945.

Pat. 2,388,754. Machine for Welding. Nov. 13, 1945.

Pat. 2,388,906. Communication System. Nov. 13, 1945.

Pat. 2,388,965. Telegraph Transmitter. Nov. 13, 1945.

Pat. 2,389,076. Testing Arrangement for Trunks to Community Dial Offices. Nov. 13, 1945.

Pat. 2,389,052. Code Calling Signals. Nov. 13, 1945.

Pat. 2,389,178. Vulcanizing Articles. Nov. 20, 1945.

Pat. 2,389,200. Web Feeding Device. Nov. 20, 1945.

Pat. 2,389,207. Vacuum Condensers. Nov. 20, 1945.

Pat. 2,389,247. Telephone Call Transmitter. Nov. 20, 1945.

Pat. 2,389,725. Applying Material to an Advancing Core. Nov. 27, 1945.

Pat. 2,389,738. Article Forming Machine. Nov. 27, 1945.

Pat. 2,389,915. Resister Device. Nov. 27, 1945.

Pat. 2,390,435. Perforating Machines. Dec. 4, 1945.

Pat. 2,390,488. Noise Shield for Acoustic Devices. Dec. 11, 1945.

Pat. 2,390,596. Positioning Parts. Dec. 11, 1945.

Pat. 2,390,600. Punch Press Mechanisms. Dec. 11, 1945.

Pat. 2,390,614. Annular Article. Dec. 11, 1945.

Pat. 2,390,652. Optical Range Finder. Dec. 11, 1945.

Pat. 2,390,656. Satellite Telegraph Exchange System. Dec. 11, 1945.

Re. Pat. 23,027. Satellite Telegraph Exchange System. Aug. 17, 1948. Original Pat. 2,390,656.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JULY AND AUGUST, 1949

Ex parte The Pulitzer Publishing Company, 171 Ms. D. 419, 82 USPQ 229 (Aug. 3, 1949). An entire policy statement or "platform" for a newspaper is not registrable as a trade-mark on the Principal Register under the act of 1946.

DANIELS, *Assistant Commissioner:*

This is an appeal from the final refusal to register a trade-mark for a newspaper on the Principal Register under the act of 1946, in accordance with section 2(*f*) thereof.

By this application applicant seeks registration of the following:

"THE POST-DISPATCH PLATFORM

I know that my retirement will make no difference in its cardinal principles; that it will always fight for progress and reform, never tolerate injustice or corruption, always fight demagogues of all parties, never belong to any party, always oppose privileged classes and public plunderers, never lack sympathy with the poor, always remain devoted to the public welfare, never be satisfied with merely printing news; always be drastically independent; never be afraid to attack wrong, whether by predatory plutocracy, or predatory poverty.

JOSEPH PULITZER.

April 10, 1907."

In actual use, and as shown in the drawing of the application, this "Platform" is enclosed within a double bordered box and appears at the so-called "masthead" of the newspaper, in the upper lefthand corner of the editorial page, directly below the name of the paper, the name and address of the publisher, and similar material. It is printed in type slightly blacker than that used in printing the balance of the editorial page, except the headings. It is stated that the box has been used continuously since 1911; that at the time of the 1931 application black-faced type was used, but shortly afterwards the present slightly larger black-faced type was introduced, "to increase the distinctiveness." Registration of this same feature was heretofore sought under the Trade-Mark Act of 1905 and refused. *Ex parte The Pulitzer Publishing Company*, 156 Ms. D. 910, 14 USPQ 140. In that refusal the Assistant Commissioner, after quoting statements as to the nature and function of a trade-mark appearing in *Canal Company* v. *Clark*, 13 Wall. 311, and *Columbia Mill Co.* v. *Alcorn*, 150 U. S. 460, stated:

"The applicant's alleged trade-mark does not meet the above requirements. Obviously it was not adopted for the purpose of identifying the origin or ownership of the article to which it is applied. The origin of the paper to which it is applied is definitely stated elsewhere in the paper, as evidenced by the following which appears on the editorial page above 'The Post-Dispatch Platform':

'ST. LOUIS POST-DISPATCH
Founded by Joseph Pulitzer
December 12, 1878
Published by
The Pulitzer Publishing Company
Twelfth Boulevard and Olive Street'

The declaration of principles which constitute the platform on which the St. Louis Post Dispatch rests may have been entitled to protection under our copyright law as a literary production, but certainly it does not function as a trade-mark."

The present application has been refused as res judicata, but applicant contends that the prior decision is not controlling because of differences in the requirements of the two acts and because new facts and changed conditions have intervened. That a prior refusal of a trade-mark under the act of 1905 may not be a bar to a new application under section 2(*f*) of the Trade-Mark Act of 1946 in all cases seems obvious. But the Examiner appears to be right in deciding that the holding that it did not constitute a trade-mark is just as applicable under the act of 1946 as under the act of 1905. (See discussion in *Ex parte American Enka Corporation*, 81 USPQ 476, 624 O. G. 972.) In view of the importance attributed to this matter by applicant, however, it does not seem desirable to restrict the consideration of this ex parte question to the narrower question of res judicata, but it should be noted that whether considered as an absolute bar or merely as a precedent, the 1932 decision (*Ex parte The Pulitzer Publishing Company*, supra) and the authority there cited, appear fully applicable to the question of the right to register this feature even though presented under the new act.

The suggestion that res judicata should not apply, because new facts and changed conditions have intervened, is based upon the fact that the mark has been continuously used by applicant since the rejection of its prior application in 1932, and the contention that by reason of such continued and exclusive use it has acquired a secondary meaning, identifying and distinguishing the newspaper. The applicant's continuous use is clearly established and is not questioned by the Examiner, but the nature or character of the material is not affected by the use for the longer period, and whether considered on the basis of res judicata, or as a matter of first impression, the question of whether or not this "Platform" constitutes a trade-mark and functions as such is not changed by such continued use.

It is applicant's contention that the definition of a trade-mark appearing in section 45 of the Trade-Mark Act of 1946 is far broader than that in the 1905 act. The definition in the new act provides that:

"The term 'trade-mark' includes any word, name, symbol, or device or any combination thereof adopted and used by a manufacturer or merchant to identify his goods and distinguish them from those manufactured or sold by others."

While the subject matter here sought to be registered may be recognized by readers of the St. Louis

Post Dispatch as a feature of that newspaper, it cannot, in my opinion, perform the function of identifying the goods of the applicant and distinguishing them from those of others, for the reasons stated in the 1932 decision in *Ex parte The Pulitzer Publishing Company*, supra. That many marks may be registered under the 1946 act which were not considered registrable trade-marks under the 1905 act cannot be questioned, but I cannot agree that the concept or definition of a trade-mark or the function thereof is expanded by the 1946 act. While no precisely similar definition appears in the act of 1905, the definition appearing in the 1946 act appears not only entirely consistent with the definitions and statements of the nature of trade-marks appearing in many decided cases, both under the act of 1905 and at common law, but to have been taken almost literally from such cases and earlier text authority. See discussions of this subject appearing in *Ex parte Booth Bottling Company*, 80 USPQ 78, 620 O. G. 1266, and *Ex parte American Enka Corporation*, supra, which will not be repeated.

Applicant also suggests that the mark sought to be registered would have been registrable under the act of 1905 had it been used for the period required to qualify under the "ten-year proviso," thereof, and that section 2(*f*) of the Trade-Mark Act of 1946 is in effect a "five-year proviso" with similar effect. There are obvious differences between the ten-year proviso of the 1905 act and section 2(*f*) of the Trade-Mark Act of 1946. But unless the material presented was actually a trade-mark, it would not have been registrable under the ten-year proviso which required "use as a trade-mark." See *In re Paris Medicine Co.*, 24 CCPA 854, 87 F.2d 484; *Charles R. Spicer* v. *W. H. Bull Medicine Co.*, 18 CCPA 1402, 49 F.2d 980; and *Ex parte The Gamewell Fire-Alarm Telegraph Company*, 1912 C. D. 394, 185 O. G. 827. Since for the reasons stated by the Assistant Commissioner Moore in 1932 as well as under the decisions referred to, it is my opinion that applicant's mark is not a trade-mark and cannot function as such, no further consideration of a possible analogy to cases under the "ten-year proviso" is considered necessary.

The Examiner's quotation from the Commissioner's decision in 1932 (*Ex parte The Pulitzer Publishing Company*, supra), to the effect that the material might "have been entitled to protection under our copyright law," is also questioned by applicant, it being stated that this overlooks the fact that the use required for a trade-mark destroys any right to copyright thereafter, and that any right to copyright the present work was lost with its first publication. Based upon this applicant states that "what the suggestion really amounts to is in effect that a trade-mark cannot be given protection if it has a literary quality * * *," and that accordingly trade-mark protection would be given only "to inferior products." No such inference can be based upon the quotation referred to. Material subject to copyright and that which may constitute a trade-mark differ in nature and are subject to protection under different statutes, the degree of their merit, literary or otherwise, not being considered if they are otherwise qualified.

Applicant further contends that distinctive display, i. e., the box and the heavy black-faced type, together with the name of "Joseph Pulitzer" entitles it to registration. The inclusion of a decorative or other border has repeatedly been held not sufficient to convert nonregistrable subject matter into a mark eligible for registration. *Ex parte G. Fava Fruit Company, Inc.*, 159 Ms. D. 545, 28 USPQ 112; *Ex parte Ottawa Silica Company*, 574 O. G. 790, 65 USPQ 173; *Ex parte Fruit Dispatch Company*, 589 O. G. 501, 70 USPQ 41. Whether or not the name "Joseph Pulitzer" is, or may be, used as a trade-mark was not open for consideration on this appeal, since, even if registrable per se, it is here presented as part of the entire subject matter, and, as so presented, is merely incidental to the unregistrable material for which applicant seeks registration.

Applicant takes understandable pride in this "Platform," both from a literary and historical standpoint, but this does not change the essential characteristics of the material which does not conform to the definition of a trade-mark under the Trade-Mark Act of 1946, and I agree with the conclusion of the Examiner of Trade-Marks that it is not a trade-mark and cannot function as such.

The decision of the Examiner of Trade-Marks is affirmed.

Precision Electronic Corp. (*Sidney J. Kagan, Trustee, substituted*) v. *Winchester Toy Company*, 171 Ms. D. 428, 82 USPQ 234 (Aug. 4, 1949), Opposition No. 26,371. The mark "NIPPY the PUP" for "combination toys consisting of a magnetic toy dog and a magnetic toy bone" held not registrable over opposer's allegation that applicant was merely a permissive user under a license agreement and that not the applicant but the opposer was entitled to exclusive rights in the mark.

The alleged invalidity of a license agreement on the ground of unlawful price fixing must not be relied upon by an applicant-licensee against the opposer-licensor.

DANIELS, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by the opposer, Precision Electronic Corp., against the application of Winchester Toy Company, for registration of a trade-mark for "combination toys consisting of a magnetic toy dog and a magnetic toy bone," under the Trade-Mark Act of 1905. The mark sought to be registered consists of the words "NIPPY the PUP," the word "PUP" being disclaimed.

The notice of opposition alleges that applicant did not have the right to file the application challenged, and that the applicant at the time of executing and filing the application was not the owner, and was not entitled to the exclusive use of the mark. It is alleged that opposer on February 7, 1946, had licensed the applicant to manufacture the product involved, under a patent application owned by opposer, it being agreed by such license that the trade-mark should be applied to said toy, and that all rights to the trade-mark should "remain the exclusive property and right of opposer * * *." It is further alleged that the said agreement was terminated and applicant is without ownership or any right to use said trade-mark.

The answer to the notice of opposition admitted that the opposer believed himself to be the owner of an invention for which a patent application was filed in the United States Patent Office, and suggested use of the name "NIPPY the PUP" therefor, but denies that opposer itself ever used the mark. It does, however, admit that "a contract was entered into by the party and that opposer gave applicant a license to manufacture said toy dog and toy bone, and admitted that such trade-mark should apply to opposer's toy dog and bone and on the boxes. Applicant admits that an agreement was entered into whereby at the termination of the agreement the rights of the trade-mark should remain to the opposer."

A copy of the license agreement was made of record through applicant's answer to opposer's interrogatories and opposer relies upon the admissions of the answer and the agreement, having introduced no other testimony. Nor has applicant offered any further evidence.

Without reviewing the terms of the license agreement in detail, it grants a license to applicant to manufacture the toys referred to above, under an application for patent owned by opposer and provides that applicant shall utilize certain material to be supplied by opposer in the manufacture thereof, and provides for certain payments by licensee (applicant) to licensor (opposer). It was also agreed that the name "NIPPY-PUP" (apparently later changed to "NIPPY the PUP") should be featured on each box, and on each toy, and that "after the termination of this agreement * * * the exclusive right, title and use of all trade-marks, trade names, and designs shall remain the exclusive property and right of the licensor." Provision against sublicensing, or the transferring of any rights under the agreement, was made, and applicant was required to mark all boxes with a notice that the product was licensed by the opposer. A similar notice was to be used in advertising. Each of the parties in this proceeding agrees that the license agreement was terminated, apparently in February, 1947.

Based upon the foregoing, the Examiner of Interferences found that it seemed clear from the agreement that the applicant was a "mere permissive user of the mark." It was clearly contemplated by the parties that the exclusive right and title to the mark was to "remain" the exclusive property of the opposer. As against this, the applicant contends that there is no showing that opposer itself ever used the mark. The allegation of the notice of opposition that opposer was the original user of the mark is denied by the answer to the notice of opposition, and no affirmative proof of any use thereof by opposer has been made. Nevertheless the applicant recognized opposer's rights thereto by the execution of the agreement referred to, and conceded that all rights thereto should "remain" in the opposer. It would appear that proof of use was therefore unnecessary as between these parties, since applicant is, under the circumstances of this case, estopped to deny opposer's ownership thereof. The fact that opposer may actually have no ownership which it can assert as against the rest of the world, if applicant's contentions are correct, would not appear to bestow any rights upon the applicant.

The applicant contends that having filed the application during the term of the agreement it has acted within its rights. No provision permitting such registration appears in the agreement and the action in applying for registration conflicted with the concession of ownership on the part of opposer.

Applicant contends that opposer may not maintain this proceeding since the license agreement included agreements as to price fixing which it contends rendered the entire agreement illegal as in restraint of trade and therefore void. Whether or not the agreement was valid, the applicant was a party thereto and can base no rights to registration on its action thereunder. The further contention of the applicant that the license granted by opposer perpetrated a fraud upon the applicant cannot be considered in this proceeding. This contention is based upon the allegation that one of applicant's customers was notified of infringement of another patent and that because of this existing patent opposer could never obtain a patent on the application under which the license was granted. Neither the application nor the patent referred to are of record, and the applicant has admitted by the answer to the notice of opposition that opposer "believes himself to be the owner of an invention for which a patent application was filed in the United States Patent Office * * *." Even were it possible to determine what patent rights have or might be secured by opposer, they would have no bearing on the question in this proceeding which relates to applicant's right to secure a registration of the mark.

In view of the foregoing it is unnecessary to consider the question raised by opposer as to the alleged false oath filed by applicant.

To the extent that other matters mentioned by opposer may not have been specifically considered they are considered to have been disposed of by the decision of the Examiner of Interferences.

The decision of the Examiner of Trade-Mark Interferences is affirmed.

In the following cases, the opposition was sustained by DANIELS, *Assistant Commissioner*.

Ever-Dry Corporation v. *Consolidated Cosmetics* (*Assignee of same name substituted*), 171 Ms. D. 408, 82 USPQ 158 (July 26, 1949), Opposition No. 25,933. The notation "EXTRADRI" for perfume, toilet water, lipstick and face powder, held not registrable in view of opposition by previous user and owner of the trade-marks "EVER-DRY" and "EXTRA-DRY" for a deodorant preparation.

It was further held that opposer's mark "EVER-DRY" should be cancelled and that, moreover, the applicant's mark "EXTRADRI" should be refused

registration ex parte on the ground of descriptiveness and without reference to the issues of the opposition.

Burberrys Limited v. *Harry Myers & Company, Inc.*, 171 Ms. D. 451, — USPQ — (Aug. 26, 1949), Opposition No. 26,437. The word "Dunberry" as a trade-mark under the act of 1905 for "men's and boys' suits and overcoats" held unregistrable in view of opposer's trade-marks "Burberry" and "Burberrys" for the identical goods.

Michael J. Walsh v. *Eli Lilly and Company*, 171 Ms. D. 423, 82 USPQ 237 (Aug. 4, 1949), Opposition No. 26,637. The notation "ALPHA-BETA-DELTALIN" ("ALPHA-BETA" being disclaimed), as a trade-mark under the act of 1905 for "a medicinal preparation containing measured units of vitamins A, B_1, B_2 and D," held unregistrable in view of opposer's registered trade-mark "ALPHABET" under the same act for "concentrated medicinal food materials for use as food supplements in supplying deficiencies of vitamins and minerals."

The opposition was dismissed in the following cases by DANIELS, *Assistant Commissioner*.

Breeze Corporations, Inc. v. *Taylor Barnes (The Bar-Brook Mfg. Co., Inc., assignee, substituted)*, 171 Ms. D. 424, 82 USPQ 232 (Aug. 3, 1949), Opposition No. 26,543. The word "BREEZEBUILDER" ("BREEZE" being disclaimed) as a trade-mark under the act of 1905 for "electrical ventilating fans" held registrable over opposer's use of the word "BREEZE" both "as a part of its trading title" and as a trade-mark on its products including a wide range of automotive, electrical and aircraft equipment.

Kensington Steel Company v. *Nichols Engineering & Research Corp.*, 171 Ms. D. 434, 82 USPQ 236 (Aug. 4, 1949), Opposition No. 26,795. The notation "NERCALLOY" as a trade-mark for "metal castings" under the act of 1905 held registrable over opposer's trade-mark "OROLOY" under the same act for metal castings and metal products.

Noxon, Inc. v. *The Pennsylvania Salt Mfg. Co.*, 171 Ms. D. 438, — USPQ — (Aug. 10, 1949), Opposition No. 26,658. The notation "KNOX-OUT" as a trade-mark under the act of 1905 for "herbicides" held registrable over opposer's registered trade-mark "NOXON" for "liquid in which insecticidal and germicidal agents are dissolved, for atomization and spraying, and materials of like character in which perfumed deodorants are dissolved."

Goodall-Sanford, Inc. v. *Rayonier Incorporated*, 171 Ms. D. 456, — USPQ — (Aug. 26, 1949), Opposition No. 25,949. The notation "RAYAMO" as a trade-mark under the act of 1905 for "wood cellulose in sheet form, adapted as a base cellulose product for conversion to cellophane," held registrable over opposer's trade-mark "RAYMO" for "mohair piece goods and piece goods of combination of cotton, wool, mohair alpaca, camel's hair, silk and artificial silk" and similar products under the same act.

Pro-phy-lac-tic Brush Company v. *Hudson Products, Inc.*, 171 Ms. D. 459, — USPQ — (Aug. 30, 1949), Opposition No. 25,795. The trade-mark "POLI·GRIP," the word "GRIP" being disclaimed, for "a cream for holding false teeth tightly" held registrable over opposition by the owner of the registered mark "PERMA-GRIP" for dental plate powder. At the same time, it was held that the applicant's counterclaim for cancellation of the "PERMA-GRIP" trade-mark, on the ground of the latter's alleged descriptiveness, should be denied.

The following marks were held unregistrable on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner*.

Ex parte William Skinner & Sons, 171 Ms. D. 443, — USPQ — (Aug. 10, 1949). The words "Look for the Name in the Selvage" as a trade-mark for "fabrics of silk, wool, cotton, man-made fibers and combinations thereof," held unregistrable on the Principal Register of the act of 1946 on the ground that the notation presented is incapable of distinguishing applicant's goods under section 2(*f*) of said act.

Ex parte Zimmerman Brothers, 171 Ms. D. 437, — USPQ — (Aug. 9, 1949). The notation "PHYLLIS XXXXX" as a trade-mark on the Principal Register of the act of 1946 for evaporated milk held unregistrable in view of prior registration of the trade-mark "XXXX" under the 1905 act for the same goods.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 27, 1949

[VOL. 626. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 524,728. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed June 24, 1947. Under section 5b of the act of 1905, as amended in 1920.

SHERWIN-WILLIAMS

FOR LEADED ZINC, ZINC OXIDE, LITHOPONE, LITHARGE, RED LEAD, WHITE LEAD SILICATES, SYNTHETIC RESINS, VEGETABLE OILS AND DRY COLORS IN THE NATURE OF PIGMENTS, ALL FOR GENERAL USE IN THE INDUSTRIAL ARTS.

Claims use since 1900.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 504,276. INDUSTRIAL OIL CORPORATION, Warren, Pa. Filed June 20, 1946.

CONQUEST

FOR ANTI-FREEZE FLUID.

Claims use since May 1946.

CLASS 15

OILS AND GREASES

Ser. No. 487,618. GRANBERG EQUIPMENT INC., Oakland, Calif. Filed Aug. 27, 1945.

Granco

FOR GRAPHITE LUBRICANT FOR USE IN PACKING GLANDS.

Claims use since Nov. 1, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 514,842. PIONEER PRODUCTS, INCORPORATED, Baltimore, Md. Filed Dec. 26, 1946.

PIOMAR

FOR RADIO RECEIVING SETS, COMBINED RADIO AND RECORD PLAYERS, ELECTRIC RECORD PLAYERS.

Claims use since June 6, 1945.

Ser. No. 524,811. ORION RADIO-, ELECTRICAL- AND GLASS WORKS CO. LTD., Budapest, Hungary. Filed June 25, 1947.

ORION

Applicant owns Hungarian Registrations No. 43,969, dated June 3, 1922, No. 54,475, dated Apr. 11, 1930, and No. 64,193, dated Jan. 19, 1938.

FOR ELECTRIC LAMPS, ELECTRIC LAMP SOCKETS, ELECTRIC CORDS, ELECTRIC WIRES, ELECTRIC CABLES, ELECTRIC CONNECTORS, ELECTRIC OUTLETS, ELECTRIC CIRCUIT BREAKERS, ELECTRIC SWITCHES, ELECTRIC FUSES, ELECTRIC REACTANCES, ELECTRIC CHOKE COILS, ELECTRIC CONDENSORS, ELECTRIC INSULATORS, ELECTRIC INSULATOR SUPPORTS, ELECTRIC COOKING UTENSILS, ELECTRIC STOVES, ELECTRIC HEATERS, ELECTRIC RECORD CHANGERS, ELECTRIC PHONOGRAPHS, MAGNETICALLY RECORDED RECORDS OF THE WIRE TAPE OR DISC TYPE, ELECTRIC SOUND RECORDERS AND REPRODUCERS, ELECTRIC LIGHT AND POWER GENERATING PLANTS, ELECTRIC MOTORS, ELECTRIC GENERATORS, ELECTRIC DYNAMOTORS, ELECTRIC CONVERTORS, ELECTRIC DYNAMOELECTRIC MACHINES, ELECTRIC STORAGE BATTERIES, RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, TELEVISION RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, ELECTRON TUBES, VACUUM TUBES, GASEOUS DISCHARGE LAMPS, ELECTRIC MERCURY VAPOR LAMPS, FLASH LAMPS, PERMANENT MAGNETS, ELECTRIC INDUCTION MACHINES, CAPACITORS, ELECTRIC INCANDESCENT LAMPS, ARC LAMPS, ELECTRIC WAVE GENERATORS, ELECTRIC OSCILLATORS, SEARCH LIGHTS, FLOOD LIGHTS, ELECTRIC AMPLIFIERS, ELECTRIC SIGNAL GENERATORS, AUDIO-FREQUENCY TRANSFORMERS, NON-CONSUMPTIBLE ELECTRODES, ANTENNAE, INDUCTION COILS, ELECTRIC INSULATING PLASTIC COM-

POUNDS, ELECTRIC WELDING MACHINES AND PARTS THEREOF, SPARK PLUGS, ELECTRIC BATTERY CHARGERS, ELECTRIC CONTACTS, ELECTRIC WIRING FIXTURES, ELECTRIC FANS, ELECTRIC LOUDSPEAKERS, CONTROL APPARATUS FOR ELECTRIC ILLUMINATION, ELECTRIC RECTIFIERS, PROTECTING DISCONNECTORS FOR ELECTRIC CIRCUITS, PHOTO-ELECTRIC CELLS, ELECTRIC PANEL BOARDS, ELECTRIC RESISTORS AND RHEOSTATS, ELECTRIC FRICTION TAPE, ELECTRIC COMPENSATORS, ELECTRIC TELEPHONIC INTEROFFICE COMMUNICATION APPARATUS COMPRISED OF SPEAKERS, MICROPHONES, AMPLIFIERS AND INTERCONNECTING CIRCUITS, ELECTRIC TELEPHONE APPARATUS AND PARTS THEREOF, ELECTRIC TELEGRAPHIC APPARATUS AND PARTS THEREOF, ELECTRIC INDICATORS, SEQUENCE TIMING SWITCHES, PHOTO-ELECTRIC RELAYS, PHOTO-ELECTRIC SWITCHES.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,702. WILLIAM T. BLAKE, doing business as the Blake Manufacturing Company, Handley, Fort Worth, Tex. Filed Sept. 9, 1946.

MICRO-DRAULIC

FOR HYDRAULIC CUSHIONING DEVICES OR GOVERNORS COMMERCIALLY KNOWN AS DASH-POTS FOR ADDING, BOOKKEEPING, AND CALCULATING MACHINES.
Claims use since Apr. 1, 1946.

Ser. No. 523,634. WESEL MANUFACTURING COMPANY, Scranton, Pa. Filed June 5, 1947.

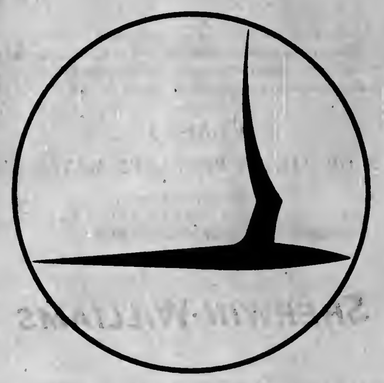


FOR BEVELING, ROUTING, SAWING, AND TRIMMING MACHINES USED FOR BEVELING, ROUTING, SAWING, AND TRIMMING PRINTING PLATES; VACUUM PRINTING MACHINES AND FRAMES, NAILING MACHINES USED FOR MOUNTING PRINTING PLATES ON WOODEN BLOCKES; WHIRLERS FOR SENSITIZING AND DRYING PHOTO-ENGRAVING AND LITHOGRAPHIC PLATES; AND SHOOT BOARDS AND PLANES, FOR BEVELING PRINTING PLATES BY HAND, AND FOR SQUARING MOUNTED PLATES AND BLOCKS.
Claims use since July 1, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 520,148. CORNELL RESEARCH FOUNDATION, INC., Buffalo, N. Y., assignor to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y., a corporation of New York. Filed Apr. 4, 1947.



FOR PRECISION AND SCIENTIFICALLY MADE MODELS FOR COMPARISON AND STUDY FOR TECHNICAL USE.
Claims use since Oct. 25, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 514,062. PERFECTION MANUFACTURING CORPORATION, Minneapolis, Minn. Filed Dec. 11, 1946.

Zero-Master

FOR ELECTRIC REFRIGERATORS FOR HOUSEHOLD USE.
Claims use since April 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 523,929. SMOKADOR MANUFACTURING CO., INC., Bloomfield, N. J. Filed Jan. 10, 1947.

RIJADOR

FOR FLOOR-MODEL ASH RECEIVERS.
Claims use since Mar. 21, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 515,143. THE ULLMAN COMPANY INC., Brooklyn, N. Y. Filed Dec. 31, 1946.

Princess

FOR PLACE MATS MADE OF CARDBOARD AND PAPER.
Claims use since August 1943.

Ser. No. 525,864. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed July 3, 1947.

K+E

FOR DRAWING PAPER, TRACING PAPER, TRACING CLOTH, TRANSPARENT OVERLAY, GRAPH, PROFILE AND CROSS SECTION PAPERS AND CLOTHS AND FIELD BOOKS (PARTIALLY BLANK BOOKS).
Claims use on drawing paper since May 1947; on tracing paper since March 1946; on tracing cloth since May 1946; on transparent overlay since May 1947; on graph, profile, and cross section papers and cloths since June 1947; and on field books (partially blank books) since June 1947.

Ser. No. 526,083. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR PAPER TABLETS, ENVELOPES, AND PAPER PACKETS AND FOLDERS FOR LOOSE PAPER.
Claims use since 1932.

CLASS 39

CLOTHING

Ser. No. 517,303. GOTHAM HOSIERY COMPANY, INC., New York, N. Y. Filed Feb. 11, 1947.



The pictorial representation of a pair of legs is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Jan. 7, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 496,910. RUBE P. HOFFMAN, Los Angeles, Calif. Filed Feb. 19, 1946.

TAXCO

FOR PIECE GOODS OF SILK, RAYON, AND OF MIXTURES THEREOF.
Claims use since Sept. 1, 1944.

Ser. No. 504,080. VELVERAY CORPORATION, New York, N. Y. Filed June 17, 1946.

Velveray

FOR SHEET PLASTIC FILM USED FOR SHOWER CURTAINS, WINDOW CURTAINS, APRONS, RAINCOATS, AND FOR OTHER SIMILAR USES.
Claims use since October 1929.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 497,946. MIDDLETOWN RUBBER CORPORATION, Middletown, Conn. Filed Mar. 9, 1946.

MIRRAKAF

FOR ROLLS AND SHEETS OF MATERIAL MADE FROM A FABRIC IMPREGNATED WITH RUBBER AND THIN SURFACE COATED WITH VINYL PLASTIC OR PYROXYLINE AND SUITABLE FOR USE AS LININGS FOR SHOES AND LEATHER BELTS IN SOMEWHAT THE SAME MANNER THAT ARTIFICIAL LEATHER IS USED.
Claims use since 1934.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 526,513. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed July 5, 1947.

K-C-Lite

FOR PAPER AND CREPED CELLULOSE WADDING, BOTH IMPREGNATED WITH RESIN FOR CONVERSION INTO VARIOUS ARTICLES OF MANUFACTURE REQUIRING A RESIN IMPREGNATED FIBER AS A COMPONENT.
Claims use since June 26, 1945.

Ser. No. 529,040. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

HAMPTON

Applicant claims ownership of Registration No. 269,562.
FOR LEATHER IN THE PIECE.
Claims use since Apr. 3, 1939.

Ser. No. 556,823. SAWYER TANNING COMPANY, Napa, Calif. Filed May 11, 1948. Under section 2f of the act of 1946. Applicant claims ownership of Registration No. 411,920.

SHASTA

FOR LEATHER.
Claims use since Oct. 19, 1933.

Ser. No. 559,603. THE GOOD EARTH SOIL CO., INC., Fort Worth, Tex. Filed June 18, 1948.

THE GOOD EARTH

FOR FUMIGATED AND MINERALIZED POTTING SOIL.
Claims use since Oct. 1, 1947.

CLASS 2

RECEPTACLES

Ser. No. 560,892. INTERSTATE CONCRETE PRODUCTS, INC., Port Chester, N. Y. Filed July 8, 1948.

ATLAS

FOR CONCRETE BURIAL VAULTS.
Claims use since June 19, 1948.

Ser. No. 560,893. INTERSTATE CONCRETE PRODUCTS, INC., Port Chester, N. Y. Filed July 8, 1948.

IMPERIAL

FOR CONCRETE BURIAL VAULTS.
Claims use since June 19, 1948.

Ser. No. 560,894. INTERSTATE CONCRETE PRODUCTS, INC., Port Chester, N. Y. Filed July 8, 1948.

KEYSTONE CRYPT

The word "Crypt" is disclaimed apart from the mark.
FOR CONCRETE BURIAL VAULTS.
Claims use since June 19, 1948.

Ser. No. 561,779. ST. REGIS PAPER COMPANY, New York, N. Y. Filed July 20, 1948.

Citrobag

FOR PAPER SHIPPING SACKS FOR FRUIT.
Claims use since June 28, 1948.

Ser. No. 562,583. ROJAHN & MALANEY COMPANY, Milwaukee, Wis. Filed July 30, 1948.

WARO

Applicant claims ownership of Registration No. 410,370.
FOR FLOWER CONTAINERS, VASES, BASKETS, AND FLOWER POT COVERS, ALL FORMED OF PRESSED PAPER PULP.
Claims use since December 1944.

Ser. No. 562,762. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Aug. 4, 1948.

FOODLAND

FOR PAPER PLATES, PAPER CUPS, AND WOODEN PLATES.
Claims use since January 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 546,887. HOWARD R. TOWNSEND, New Canaan, Conn. Filed Jan. 13, 1948.

PLEX

FOR WALLETS FOR INSURANCE POLICIES.
Claims use since Dec. 10, 1947.

Ser. No. 573,761. FRAN-STEF MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 12, 1949.

make a date

FOR PORTFOLIOS—NAMELY, BILLFOLDS AND WALLETS.
Claims use since Jan. 1, 1940.

Ser. No. 573,956. LIBERTY BAGS, INC., New York, N. Y. Filed Feb. 16, 1949.



FOR LADIES' AND CHILDREN'S HAND BAGS MADE OF LEATHER, OF SYNTHETIC LEATHER, OF FABRICS, AND OF COMBINATIONS THEREOF.
Claims use since Sept. 1, 1946.

Ser. No. 574,562. B. ALTMAN & CO., New York, N. Y. Filed Feb. 26, 1949.

BALTA

FOR LADIES' HANDBAGS.
Claims use since Sept. 16, 1948.

Ser. No. 574,587. NASH INC., Jersey City, N. J. Filed Feb. 26, 1949.

HIGHLAND FLING

FOR BILLFOLDS, POCKET BOOKS, PURSES, AND WALLETS.
Claims use since Feb. 14, 1949.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 527,418. FRONTIER PRODUCTS COMPANY, St. Louis, Mo., by mesne assignment to Joseph M. Hahn, doing business as Frontier Products Company. Filed July 5, 1947.

SynthO-sudS

The word "Suds" is disclaimed.
FOR DETERGENT FOR USE AS A SOAP SUBSTITUTE.
Claims use since April 1946.

Ser. No. 555,529. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.

JEWEL T

FOR BOWL CLEANER, STEEL WOOL PADS, SOAPS, AND SHOE WHITE.
Claims use since 1924 on soaps; since 1936 on steel wool pads; since Apr. 26, 1943 on bowl cleaner; and since May 10, 1943 on shoe white.

Ser. No. 560,433. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y. Filed June 30, 1948.

ADVAWET

FOR DETERGENTS AND SCOURING AGENTS FOR INDUSTRIAL CLEANING PURPOSES SUCH AS THE CLEANING OF COTTON AND WOOL, AND THE DEGREASING OF METALS.
Claims use since July 15, 1943.

Ser. No. 568,098. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Nov. 3, 1948.

STAFF

FOR SOAP.
Claims use since Oct. 18, 1948.

CLASS 5

ADHESIVES

Ser. No. 566,994. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Oct. 14, 1948.

SCOTCH-WELD

FOR HIGH STRENGTH ADHESIVE FILM SOLD IN ROLL FORM.
Claims use since June 1948.

Ser. No. 567,061. WEBB PRODUCTS COMPANY, San Bernardino, Calif. Filed Oct. 15, 1948.

Arrowhead

Applicant claims ownership of Registration No. 287,058.
FOR WATERPROOF, LIQUID, GENERAL PURPOSE ADHESIVE CEMENTS.
Claims use since Sept. 1, 1923.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 476,544. ASSOCIATED PRODUCTS, INC., Chicago, Ill., by change of name from Associated Distributors, Inc., assignor to Chem Yu, Inc., New York, N. Y., a corporation of New York. Original filed, act of 1905, Nov. 17, 1944; amended to application under act of 1946, Principal Register, Dec. 22, 1947.

Oriental Sapphire

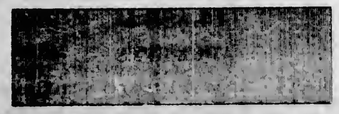
FOR NAIL POLISH AND LIPSTICK.
Claims use since July 17, 1944.

Ser. No. 500,819. PEP STOCK MEDICINE COMPANY, Winder, Ga. Original filed, act of 1905, Apr. 24, 1946; amended to application under act of 1946, Principal Register, Jan. 28, 1948. Under section 2f of the act of 1946.

PEP

Applicant claims ownership of Registration No. 208,135.
FOR GENERAL STOCK TONIC AND AS AN AID TO THE DIGESTIVE SYSTEM OF LIVE STOCK.
Claims use since Feb. 10, 1925.

Ser. No. 537,146. THE CAREY SALT COMPANY, Hutchinson, Kans. Filed Oct. 8, 1947.



The mark consists of a red band which extends transversely at about the middle of the package containing the salt. The drawing is lined to indicate the color red.
Applicant claims ownership of Registration No. 374,366.
FOR WATER SOFTENER SALT, MEAT CURING SALT, ICE CREAM SALT, AND ALL GRADES OF CRUSHED ROCK SALT.
Claims use since July 25, 1923.

Ser. No. 537,290. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y. Filed Oct. 9, 1947.

'CALCIFONATE'

FOR VITAMIN AND MINERAL PREPARATION USED AS A DIETARY SUPPLEMENT ESPECIALLY DURING PREGNANCY AND LACTATION.
Claims use since Sept. 18, 1947.

Ser. No. 539,305. GENERAL CHEMICAL COMPANY, New York, N. Y., now by merger Allied Chemical & Dye Corporation, a corporation of New York. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

BAKER & ADAMSON

Applicant claims ownership of Registrations Nos. 368,646 and 368,647.
FOR REAGENT CHEMICALS.
Claims use since 1884 as to the expression "Baker and Adamson"; and since 1912 as shown.

Ser. No. 543,562. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill. Filed Dec. 6, 1947.

1868 1898

FOR MEDICINAL PREPARATIONS—NAMELY, VITAMIN TABLETS; VITAMIN TONIC PREPARATION IN LIQUID FORM; COPPER-IRON TONIC IN LIQUID FORM; LAXATIVE MODIFIERS OF MILK, COMPRISING A MALT EXTRACT AND POTASSIUM CARBONATE IN BOTH LIQUID AND POWDERED FORM; LIVER-IRON TONIC IN LIQUID AND CAPSULE FORMS; MODIFIER FOR INFANT'S MILK; COD LIVER OIL AND IRON TONIC IN LIQUID FORM; MALT EXTRACT FOR USE AS A TONIC AND AS A CARRIER FOR OTHER MEDICINES; MALT EXTRACT WITH CASCARA SAGRADA FOR USE AS A LAXATIVE; MALT WITH IRON IODIDE IN LIQUID FORM FOR USE AS A TONIC; COUGH SYRUP; MALT EXTRACT WITH COD LIVER OIL IN LIQUID FORM FOR USE AS A TONIC; AND MALT EXTRACT AND PSYLLIUM SEED IN POWDERED FORM FOR USE AS A LAXATIVE.
Claims use since Jan. 1, 1868.

Ser. No. 548,493. FABERGÉ INC., New York, N. Y. Filed Jan. 31, 1948.

Fabergette

Applicant claims ownership of Registration No. 402,130.
FOR PERFUME, TOILET WATER, AND EAU DE COLOGNE.
Claims use since Feb. 5, 1947.

Ser. No. 555,963. DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed Apr. 30, 1948. Under section 2f of the act of 1946 as to "Dr. Salsbury's."

DR. SALSBURY'S LABORATORIES • CHARLES CITY, IOWA U.S.A. • Dr. S

No claim is made to the words "Laboratories, Charles City, Iowa, U. S. A." apart from the mark as shown.
Applicant claims ownership of Registrations Nos. 424,802, registered Oct. 22, 1946; 420,354, registered Apr. 2, 1946; 351,900, registered Nov. 9, 1937; 329,139, registered Oct. 15, 1935; and 501,220, registered July 27, 1948.
FOR ANTHELMINTICS, ANTIGENS, BACTERINS, DISINFECTANTS, FUMIGANTS, HERBICIDES, INHALANTS, INSECTICIDES, OINTMENTS, RODENTICIDES, TONICS, VACCINES, AND PREPARATIONS FOR IRRIGATING AND WASHING EARS AND EXTERNAL MEMBRANES, FOR PREVENTING CANNIBALISM, FOR PREVENTING COCCIDIOSIS, FOR STIMULATING GROWTH, IN THE TREATMENT OF POULTRY AND DOMESTIC ANIMALS AND FARM LIVESTOCK.
Claims use since the year of 1924 as to "Dr. Salsbury's"; and since Apr. 28, 1948, to the mark as a whole.

Ser. No. 557,624. THE PHARMA-CRAFT CORPORATION, New York, N. Y. Filed May 22, 1948.

Ting

Applicant claims ownership of Registration No. 347,300.
FOR FUNGICIDE AND GERMICIDE FOR THE TREATMENT OF ATHLETE'S FOOT, RING WORM, AND DERMATOPHYTOSIS.
Claims use since Jan. 6, 1937.

Ser. No. 558,263. WESTERN PHARMACAL COMPANY, Salt Lake City, Utah. Filed June 1, 1948. Under section 2f of the act of 1946.

[redacted]

No claim is made to the words "Pharmacal" and "Company" apart from the mark as shown.
FOR GRANULAR EFFERVESCENT BLOOD SALTS HAVING ANTACID, DIURETIC AND ALKALINIZING PROPERTIES, GRANULAR EFFERVESCENT SALTS USEFUL AS A NERVE SEDATIVE, GRANULAR EFFERVESCENT SALTS FOR RELIEF OF PAIN FROM SIMPLE HEADACHE, NEURALGIA AND COMMON COLDS, GRANULAR EFFERVESCENT SALTS FOR RELIEF OF MINOR MUSCULAR ACHES AND PAINS, GRANULAR EFFERVESCENT SALTS USED AS A URINARY ANTISEPTIC, AN ANALGESIC AND ANTI-SPASMODIC TABLET FOR SYMPTOMATIC RELIEF OF PRIMARY DYSMENORRHEA, AN ANTISEPTIC AND PROPHYLACTIC JELLY, AN INHALANT USEFUL TO SHRINK CONGESTED MEMBRANES AND PROMOTE DRAINAGE OF THE NOSE AND SINUSES, A LIQUID VITAMIN COMPOUND OF VITAMIN B FACTORS, AN ANTI-SUNBURN LOTION, AN ANTI-SUNBURN CREAM, A LINIMENT FOR THE RELIEF OF NEURALGIA AND MYALGIA.
Claims use since Sept. 14, 1926.

Ser. No. 559,665. ABBOTT LABORATORIES, North Chicago, Ill. Filed June 19, 1948.

PHENURONE

FOR PREPARATION INTENDED FOR USE IN THE TREATMENT OF CERTAIN EPILEPTIC CONDITIONS AND CERTAIN PSYCHIC DISORDERS.
Claims use since Feb. 25, 1948.

Ser. No. 559,890. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 22, 1948.
FOR FACE POWDER AND TALCUM POWDER.

Liquid Gold

Claims use since Feb. 25, 1948.

Ser. No. 560,707. NIKKI KAYE, doing business as Charm Clinic, Chicago, Ill. Filed July 3, 1948.

Nikki Kaye's
LIQUID GOLD

The words "Nikki Kaye's" are disclaimed apart from the mark as shown.
FOR FACE OIL AND FACE MAKE-UP FILM.
Claims use since Feb. 26, 1948.

Ser. No. 564,603. JOE C. BODE, JR., doing business under the name Manson Distributors, Aurora, Ill. Filed Sept. 3, 1948.

"Star-Lustre"

The word "Lustre" is disclaimed apart from the mark as shown in the drawing.
FOR HAIR SHAMPOO.
Claims use since July 1, 1948.

Ser. No. 565,582. THE E. W. ROSE COMPANY, Cleveland, Ohio. Filed Sept. 21, 1948.



FOR REMEDY TO RELIEVE ITCHING OF DOGS.
Claims use since Aug. 9, 1948.

Ser. No. 566,532. THE NATIONAL DRUG COMPANY, Philadelphia, Pa. Filed Oct. 6, 1948.

RESINAT

FOR RESIN-CONTAINING ANTACID COMPOSITION INTENDED FOR ORAL ADMINISTRATION AND SUITABLE FOR USE IN THE TREATMENT OF ULCERS AND OTHER GASTROINTESTINAL DISORDERS.
Claims use since Aug. 7, 1945.

Ser. No. 566,652. JOHN ROBERT POWERS PRODUCTS CO., INC., Wilmington, Del., and New York, N. Y. Filed Oct. 7, 1948.

FLUID GOLD

FOR SKIN CARE PREPARATION, CONSISTING OF A FLUID PREPARATION TO BE APPLIED TO THE SKIN.
Claims use since Feb. 11, 1948.

Ser. No. 568,489. PAUL C. BRAGG, doing business as Live Food Products Co., Burbank, Calif. Filed Nov. 10, 1948.

ROBAR

FOR VITAMIN P TABLET COMPRISED OF LEMON PEEL INFUSION FORTIFIED WITH VITAMIN C.
Claims use since Aug. 13, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 502,719. ROGERS IMPORTS INC., New York, N. Y. Original filed, act of 1905, May 24, 1946; amended to application under act of 1946, Principal Register, Dec. 29, 1947. Under section 2f of the act of 1946.

SLYDE-LOK

FOR TOBACCO POUCHES, CIGAR, CIGARETTE, AND PIPE CASES, AND LEATHER-COVERED HUMIDORS IN THE NATURE OF A HUMIDIFIER FOR TOBACCO PRODUCTS.
Claims use since Feb. 28, 1927.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 567,787. J. M. HUBER CORPORATION, Red Bank, N. J., and New York, N. Y. Filed Oct. 28, 1948.

N-M-P-

FOR NEWSPAPER PRINTING INK.
Claims use since July 15, 1948.

Ser. No. 568,882. WESTERN LABORATORIES, INC., Burbank, Calif. Filed Nov. 16, 1948.

POLENE

FOR VEHICLE OR VARNISH FOR PRINTERS' INKS.
Claims use since Aug. 2, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 512,476. THE AKRON PRODUCTS COMPANY, Akron, Ohio. Original filed, act of 1905, Nov. 13, 1946; amended to application under act of 1946, Principal Register, Mar. 27, 1948.



The word "Floorjack" is disclaimed apart from the mark as shown.
FOR ADJUSTABLE SUPPORTS FOR RAISING OR SUPPORTING SAGGING FLOORS.
Claims use since Dec. 5, 1945.

Ser. No. 541,860. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 20, 1947.

FURNAS CRETE

The word "Furnas" is disclaimed apart from the mark.
FOR CASTABLE REFRACTORY CONCRETE MATERIALS EMPLOYED IN CASTING FURNACE HEARTHS AND THE LIKE.
Claims use since Oct. 11, 1932.

Ser. No. 541,940. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 21, 1947.

JAY BEE MAXIMUL

FOR FIREBRICK.
Claims use since Mar. 14, 1945.

Ser. No. 548,914. BELKNAP HARDWARE & MANUFACTURING COMPANY, Louisville, Ind. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

DOVER

Applicant claims ownership of registration No. 242,027.
FOR ASPHALT ROOFING MATERIAL COMPRISING ASPHALT SATURATED FELT WITH A MINERAL SURFACE.
Claims use since July 15, 1914.

Ser. No. 553,558. KASPAR WINKLER & Co., Zurich, Switzerland. Filed Mar. 31, 1948.

Sika

Applicant claims ownership of Registration No. 215,609 (renewed).
FOR PREPARATION TO BE USED FOR IMPROVING THE PROPERTIES OR CONTROLLING THE SETTING OF CEMENT, MORTAR, CONCRETE, PLASTER HYDRAULIC CEMENT, OR MIXTURES THEREOF.
Claims use since 1910.

Ser. No. 554,811. PARICHY ROOFING AND SHINGLE COMPANY, Forest Park, Ill. Filed Apr. 16, 1948.



The word "Tile" is disclaimed.
FOR WALL TILES.
Claims use since Sept. 15, 1945.

Ser. No. 555,787. KASPAR WINKLER & Co., Zurich, Switzerland. Filed Apr. 28, 1948.

IGAS

Applicant claims ownership of Registration No. 337,951.
FOR PLASTIC MATERIALS OF ASPHALT, TAR, RESIN, LINSEED OIL, OR MIXTURES THEREOF, WITH OR WITHOUT THE ADDITION OF FIBROUS SUBSTANCES, FOR USE AS RESILIENT FILLING FOR GAPS AND CRACKS, FOR COATINGS AND AS ADHESIVES.
Claims use since 1915.

Ser. No. 555,788. KASPAR WINKLER & Co., Zurich, Switzerland. Filed Apr. 28, 1948.

PLASTIMENT

Applicant claims ownership of Registration No. 369,111.
FOR PREPARATION FOR IMPROVING THE BINDING AND SETTING PROPERTIES OF CEMENT, PLASTER, AND OTHER SIMILAR CONSTRUCTION MATERIALS WHEN ADDED THERETO, EXCLUDING GYPSUM PLASTERS.
Claims use since 1933.

Ser. No. 555,789. KASPAR WINKLER & Co., Zurich, Switzerland. Filed Apr. 28, 1948.

PLASTOCRETE

Applicant claims ownership of Registration No. 369,124.
FOR PREPARATION FOR IMPROVING THE BINDING AND SETTING PROPERTIES OF CEMENT, PLASTER, AND OTHER SIMILAR CONSTRUCTION MATERIALS WHEN ADDED THERETO, EXCLUDING GYPSUM PLASTERS.
Claims use since 1934.

Ser. No. 564,984. BIRD & SON, INC., East Walpole, Mass. Filed Sept. 11, 1948.

THE ARCHITECT

FOR ASPHALT SHINGLES.
Claims use since Sept. 1, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 528,941. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn. Filed July 19, 1947. Under section 2f of the act of 1946 as to "Tite Line."

TITE ⚓ LINE

Applicant claims ownership of Registrations Nos. 245,012, 242,829, and 242,830.
FOR ROPE HITCHES FOR HOLDING TAUT CLOTHES LINES AND OTHER LINE CORDAGE.
Claims use since May 13, 1947.

Ser. No. 536,026. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Sept. 27, 1947. Under section 2f of the act of 1946 as to "Youngstown." Applicant claims ownership of Registration No. 332,847.

YOUNGSTOWN

FOR METAL PIPE, CASING, TUBING, AND CONDUIT FOR CONVEYING FLUIDS.
Claims use since Feb. 13, 1935.

Ser. No. 536,027. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

YOUNGSTOWN

Applicant claims ownership of Registrations Nos. 134,868 and 155,915.
FOR METAL PIPE, CASING, TUBING, AND CONDUIT FOR CONVEYING FLUIDS.
Claims use since 1911.

Ser. No. 536,028. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed Sept. 27, 1947. Under section 2f of the act of 1946 as to "Youngstown."

YOUNGSTOWN

Applicant claims ownership of Registrations Nos. 134,868, 155,915, and 332,847.
FOR METAL PIPE, CASING, TUBING, AND CONDUIT FOR CONVEYING FLUIDS.
Claims use since Apr. 7, 1947.

Ser. No. 551,012. WALTER L. JONES, doing business as Giant Ladder Brace Co., Cincinnati, Ohio. Filed Mar. 2, 1948.

G GIANT L.B. CO.

The word "Co." is disclaimed apart from the mark.
FOR METAL LADDER BRACES.
Claims use since July 30, 1929.

CLASS 15

OILS AND GREASES

Ser. No. 534,668. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

PURE AS GOLD

Applicant claims ownership of Registrations Nos. 321,792 and 265,858.
FOR AUTOMOBILE LUBRICATING OILS AND CUP GREASE.
Claims use since Nov. 22, 1928.

Ser. No. 534,669. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

PURE AS GOLD

Applicant claims ownership of Registrations Nos. 265,858 and 321,792.
FOR AUTOMOBILE LUBRICATING OILS AND CUP GREASE.
Claims use since June 1, 1929.

Ser. No. 534,683. D. A. STUART OIL CO., LIMITED, Chicago, Ill. Filed Sept. 16, 1947.

THERMEX

FOR LUBRICATING OILS AND QUENCHING OILS.
Claims use since Sept. 15, 1925.

Ser. No. 537,508. RENUZIT HOME PRODUCTS CO., Philadelphia, Pa. Filed Oct. 10, 1947.

RENUZIT

Applicant claims ownership of Registration No. 298,956.
FOR MOTOR LUBRICATING OIL.
Claims use since Mar. 3, 1947.

Ser. No. 541,607. THOMPSON PRODUCTS, INC., Cleveland, Ohio. Filed Nov. 18, 1947.

Vitane

FOR GASOLINE.
Claims use since Oct. 3, 1947.

Ser. No. 551,549. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y. Filed MAR. 9, 1948. Under section 2f of the act of 1946.

KUTWELL

Applicant claims ownership of Registration No. 235,449.
FOR CUTTING OILS, SOLUBLE CUTTING OILS.
Claims use since Mar. 20, 1916.

Ser. No. 553,542. STA-VIS OIL COMPANY, St. Paul, Minn. Filed Mar. 31, 1948.

STA-VIS FLIGHT TESTED

The words "Flight Tested" are disclaimed. The drawing is lined to represent color, but not any particular color.
Applicant claims ownership of Registration No. 267,732.
FOR LUBRICATING OILS AND GREASES AND EMULSIFIED OIL FOR USE WITH ADDITIONS OF WATER IN COATING CONCRETE FORMS.
Claims use since Apr. 1, 1945.

Ser. No. 555,850. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y. Filed Apr. 29, 1948.

TYCOL ACADAM

Applicant claims ownership of Registration No. 197,753.
FOR LUBRICATING OIL.
Claims use since Jan. 6, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 522,918. VETERANS TOBACCO CORPORATION, Washington, D. C. Original filed, act of 1905, May 23, 1947; amended to application under act of 1946, Principal Register, Oct. 13, 1948.

VETS

FOR CIGARETTES.
Claims use since Apr. 30, 1947.

Ser. No. 522,919. VETERANS TOBACCO CORPORATION, Washington, D. C. Original filed, act of 1905, May 23, 1947; amended to application under act of 1946, Principal Register, Oct. 13, 1948.

VETERAN

FOR CIGARETTES.
Claims use since Apr. 30, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 517,012. H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, May 27, 1949. Under section 2f of the act of 1946.

UNI-CRIMP

FOR SOLDERLESS ELECTRIC TERMINALS.
Claims use since Apr. 18, 1944.

Ser. No. 527,764. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

ELECTRIC JANITOR

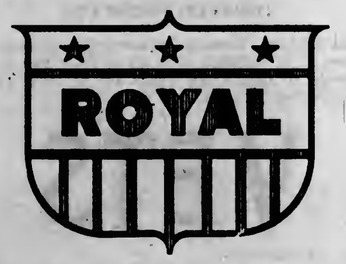
The word "Electric" is disclaimed apart from the mark as shown.
FOR REGULATING APPARATUS COMPRISING AN ELECTRIC MOTOR AND CONTROLS THEREFOR FOR POSITIONING A DAMPER OR A SIMILAR ELEMENT.
Claims use since March 1931.

Ser. No. 527,811. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn. Filed July 5, 1947.

MODUTROL

FOR REGULATING APPARATUS COMPRISING AN ELECTRIC MOTOR AND CONTROLS THEREFOR FOR POSITIONING A DAMPER, A VALVE, OR A SIMILAR ELEMENT.
Claims use since June 1931.

Ser. No. 529,910. MID-WEST REFINERIES, INC., Grand Rapids, Mich. Filed July 29, 1947.



The section lining indicates the color red.
FOR STORAGE BATTERIES.
Claims use since June 17, 1947.

Ser. No. 534,000. EMORY G. COOK, Long Island, N. Y. Filed Sept. 10, 1947.

AUDIOID

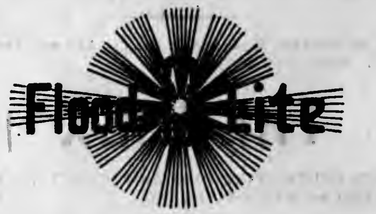
FOR SOLID SYNTHETIC PLASTIC MATERIAL FOR USE IN ELECTRONIC DEVICES AS A DAMPING MEDIUM OF AUDIO-FREQUENCY VIBRATIONS.
Claims use since May 10, 1947.

Ser. No. 535,427. RAYCON MANUFACTURING CO., Erie, Pa. Filed Sept. 23, 1947.

FLURAFLEX

FOR ELECTRICALLY ILLUMINABLE DISPLAY SIGNS.
Claims use since Jan. 4, 1947.

Ser. No. 540,115. STERLING REFLECTOR AND MANUFACTURING CO., Chicago, Ill. Filed Nov. 4, 1947. Under section 2f of the act of 1946.



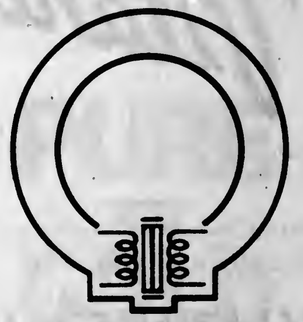
FOR ELECTRIC LAMPS FOR PROJECTING CONCENTRATED BEAMS OF LIGHT—NAMELY, FLOOD LIGHTS AND SPOTLIGHTS.
Claims use since Apr. 18, 1921.

Ser. No. 542,700. UNITED STATES TELEVISION MANUFACTURING CORPORATION, New York, N. Y. Filed Nov. 28, 1947.

★ The Magic Window ★

FOR TELEVISION RECEIVERS.
Claims use since July 1, 1947.

Ser. No. 548,352. ESSEX WIRE CORPORATION, Detroit, Mich., and Chicago, Ill. Filed Jan. 30, 1948.



Applicant disclaims the representation of a transformer apart from the mark. Applicant claims ownership of Registrations Nos. 411,517 and 411,516.
FOR ELECTRIC TRANSFORMERS, ELECTRIC REACTORS, ELECTRIC BALLASTS, AND ELECTRIC FILTERS.
Claims use since Oct. 1, 1940.

Ser. No. 549,225. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 10, 1948.



Applicant claims ownership of Registration No. 85,270.
FOR (A) SPLICERS, CONNECTORS, COUPLINGS, AND CLAMPS, FOR ELECTRICAL CONDUCTORS, EXCEPT FOR SUCH CONDUCTORS AS ARE EXPOSED OR BARED AND ACTUALLY USED AS TROLLEY WIRES: (B) ELECTRICAL DISTRIBUTION APPARATUS COMPRISING SHEET METAL SECTIONAL DUCT RUNS CONTAINING CONDUCTORS AND COVERS: (C) ELECTRICAL DISTRIBUTION APPARATUS COMPRISING SHEET METAL DUCT RUNS CONTAINING NAKED BUS BARS AND PROVIDED WITH APERTURES PROVIDING EXTERNAL ACCESS THEREINTO, AND ALSO PROVIDED WITH MOVABLE COVERS OF LARGE AREA: (D) ELECTRICAL DISTRIBUTION APPARATUS COMPRISING SHEET METAL DUCT RUNS CONTAINING NAKED BUS BARS AND PROVIDED WITH APERTURES PROVIDING EXTERNAL ACCESS THERETO, AND ALSO PROVIDED WITH LARGE AREA MOVABLE COVERS, THE APPARATUS FURTHER INCLUDING FUSED PLUGS HAVING PRONGS ENGAGING SAID BUS BARS AND PLUGGED INTO THE HOLES OF THE CONDUIT, THE CONDUIT HOLES BEING SEALED AT ALL TIMES BY MOVABLE COVERS THEREFOR, OR BY SAID PLUGS: (E) ELECTRICAL DISTRIBUTION APPARATUS COMPRISING DUCT RUNS CONTAINING BUS BARS AND PROVIDED WITH ELONGATED SLOTS THROUGH WHICH MAY BE ENTERED OR MAY RIDE PORTIONS OF TROLLEYS, THESE HAVING CONTACTS ENGAGING THE BUS BARS AND RIDING THEREALONG AS THE TROLLEYS ARE MOVED ALONG AND IN THE DUCT: (F) SWITCHES: (G) PANELBOARDS AND SWITCHBOARDS: (H) FUSE BLOCKS AND PARTS THEREOF: (I) CIRCUIT BREAKERS.
Claims use on goods of paragraphs (a), (f), (g), and (h) since 1910; to the goods of paragraph (b) since April 1926; to the goods of paragraphs (c) and (d) since August 1929; to the goods of paragraph (e) since May 1929; and to the goods of paragraph (i) since Jan. 1, 1939: all of the foregoing dates are the dates of first use in commerce among the several States which may be lawfully regulated by Congress.

Ser. No. 550,170. THE RICHARDSON COMPANY, Lockland, Cincinnati, Ohio. Filed Feb. 19, 1948.

EBROK

Applicant claims ownership of Registration No. 305,501.
FOR ASPHALTIC STORAGE BATTERY CASES.
Claims use since Mar. 23, 1933.

Ser. No. 554,872. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 17, 1948.

Ditto

Applicant claims ownership of Registration No. 343,766.
FOR ELECTRICALLY OPERATED DUPLICATING MACHINES, AND PARTS THEREFOR.
Claims use since Feb. 15, 1932.

Ser. No. 555,641. WESIX ELECTRIC HEATER CO., San Francisco, Calif. Filed Apr. 26, 1948.

WESCONIX

FOR ELECTRIC AIR HEATERS AND ELECTRIC WATER HEATERS.
Claims use since Apr. 9, 1948.

Ser. No. 556,612. WESIX ELECTRIC HEATER CO., San Francisco, Calif. Filed May 8, 1948.

CUNISPHERE

FOR ELECTRIC AIR HEATERS AND ELECTRIC WATER HEATERS.
Claims use since Apr. 9, 1948.

Ser. No. 557,483. WELLS MANUFACTURING CORPORATION, Fond du Lac, Wis. Filed May 20, 1948. Under section 2f of the act of 1946.



The drawing is lined to indicate the colors blue and red. The words "Genuine Ignition" are disclaimed as part of the mark.
FOR AUTOMOTIVE IGNITION SERVICE PARTS—NAMELY, DISTRIBUTOR CONTACT POINTS, DISTRIBUTOR CONDENSERS, DISTRIBUTOR CAPS, DISTRIBUTOR ROTORS, DISTRIBUTORS COMPLETE, STARTER SWITCHES, STOP LIGHT SWITCHES, VOLTAGE REGULATORS, GENERATOR RELAY CUTOUTS, HEADLIGHT RELAYS, HORN RELAYS, GENERATOR AND STARTER BRUSHES, GENERATOR AND STARTER BUSHINGS, STARTER SPRINGS AND SERVICE PARTS AND IGNITION COILS.
Claims use since May 10, 1939.

Ser. No. 557,626. REALTY AND INDUSTRIAL CORPORATION, Convent, N. J. Filed May 22, 1948. Under section 2f of the act of 1946.

Roller-Smith

FOR CIRCUIT BREAKERS, RELAYS, SWITCHES, TRANSFORMERS, SWITCH GEAR, AND PARTS THEREOF.
Claims use since 1909.

Ser. No. 562,498. DONALD P. POLYMEROS, doing business as the "Poly-Mite" Manufacturing Company, Minneapolis, Minn. Filed July 29, 1948.

Poly-Mite

FOR ELECTRIC PANELBOARD PILOT LIGHT APPARATUS FOR INDICATING WHEN AN AUTOMOBILE ENGINE MAY BE WASTING FUEL AND OIL BECAUSE OF IMPROPER OPERATION THEREOF, AND FOR INDICATING ENGINE FAILURE.
Claims use since June 14, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 530,345. SPORTSMAN AID CORP., Riverside, Ill. Filed Aug. 2, 1947.

Sportsman OFFICIAL AID

The word "Official" is disclaimed apart from the mark as shown.
FOR REED TYPE SOUND INSTRUMENTS FOR SIMULATING WILD LIFE CALLS.
Claims use since May 27, 1947.

Ser. No. 542,630. NANCY ANN STORYBOOK DOLLS, INC., San Francisco, Calif. Filed Nov. 28, 1947.

A DILLAR-
A DOLLAR

FOR DRESSED DOLLS.
Claims use since Jan. 2, 1940.

Ser. No. 546,523. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Jan. 8, 1948.

JACKPOT

FOR GOLF CLUBS.
Claims use since Dec. 23, 1947.

Ser. No. 547,349. KERR AND HINS DOLL COMPANY, Santa Clara, Calif. Filed Jan. 17, 1948.

Peg O' My Heart

FOR DOLLS AND DOLL CLOTHES.
Claims use since Nov. 21, 1947.

Ser. No. 549,518. JULIUS DICKER, Astoria, N. Y. Filed Feb. 12, 1948.



The words "Hit & Touch" and "15 Pins" and the representation of the goods are disclaimed apart from the mark.
FOR BOWLING TABLE GAMES.
Claims use since Nov. 1, 1947.

Ser. No. 552,655. HOLGATE BROTHERS COMPANY, Kane, Pa. Filed Mar. 22, 1948.



FOR EDUCATIONAL TOYS.
Claims use since Mar. 15, 1948.

Ser. No. 553,667. BERYL W. BOYNTON, Lafayette, Calif. Filed Apr. 2, 1948.



The representation of the doll is disclaimed apart from the mark.
FOR DOLLS.
Claims use since Mar. 19, 1948.

Ser. No. 554,216. EARL & ARLINGTON, San Francisco, Calif. Filed Apr. 9, 1948.

DISKIES

FOR INFANTS' RATTLES.
Claims use since Aug. 23, 1947.

Ser. No. 557,307. P & K INCORPORATED, Chicago, Ill., Filed May 18, 1948.

Amazin' Maisie

FOR FISH BAITS.
Claims use since Jan. 28, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 530,994. E. R. WAGNER MANUFACTURING COMPANY, Milwaukee, Wis. Filed Aug. 9, 1947.

VISO-TOP

No claim is made to the word "Top" apart from the mark shown.
FOR CARPET SWEEPERS OF THE MECHANICAL TYPE.
Claims use since July 1, 1940.

Ser. No. 536,827. MILWAUKEE FILE CO., Milwaukee, Wis. Filed Oct. 4, 1947.

"Li'l Sharpy"

FOR KNIFE SHARPENERS.
Claims use since June 21, 1947.

Ser. No. 538,144. JABEZ BURNS & SONS, INC., New York, N. Y. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

ALL-PURPOSE

Applicant claims ownership of Registration No. 312,466.
FOR MACHINES AND PARTS THEREOF FOR GRINDING AND MIXING COFFEE AND OTHER COMMINUTED MATERIALS.
Claims use since Feb. 10, 1933.

Ser. No. 543,052. AMERICAN NUMBERING MACHINE CO., Brooklyn, N. Y. Filed Dec. 3, 1947.

NUMBERETTE

FOR HAND NUMBERING MACHINE WHICH PRODUCES NUMBERED INK IMPRESSIONS ON PAPER.
Claims use since Sept. 1, 1947.

Ser. No. 544,049. BUCKEYE IRON & BRASS WORKS, Cincinnati, Ohio. Filed Dec. 11, 1947.

BUCKEYE

FOR INDUSTRIAL VEGETABLE OIL MILL MACHINERY—VIZ., CRUSHING ROLLS HAVING INCORPORATED THEREWITH AS PARTS OR ACCESSORIES, SEED HOPPERS, SCRAPING KNIVES, CANT BOARDS AND CHEEK PLATES; FORMERS FOR FORMING THE COOKED MATERIAL INTO CAKES; HYDRAULIC COTTON SEED, LINSEED, AND CAGE PRESSES; HYDRAULIC PRESS PUMPS AND ACCUMULATORS; OPERATIVE CHANGE VALVES FOR RAISING AND LOWERING PRESS RAMS; AND STEAM JACKETED COMPARTMENT TYPE COOKERS EQUIPPED WITH MECHANICAL STIRRERS AND SO CONSTRUCTED AS TO ALLOW REGULATION OF THE MOISTURE CONTENT.
Claims use since 1882.

Ser. No. 544,427. DIAMOND EXPANSION BOLT CO., INC., Garwood, N. J. Filed Dec. 16, 1947.

DIAMIDE

Applicant claims ownership of Registration No. 124,693.
FOR MASONRY DRILLS.
Claims use since May 28, 1947.

Ser. No. 545,612. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Dec. 29, 1947.

Lightning Lift

No claim is made to the exclusive use of the word "Lift" apart from the mark. Applicant claims ownership of Registration No. 321,295.
FOR HYDRAULIC JACKS FOR ELEVATING AND LOWERING VEHICLES AND PUMPS FOR ACTUATING ROAD VEHICLE SCRAPER BLADES.
Claims use since Sept. 1, 1931.

Ser. No. 550,236. JACKSON & CHURCH COMPANY, Saginaw, Mich. Filed Feb. 20, 1948.

J&C

The drawing is lined to indicate the colors black and red but no claim is made to the particular colors. Applicant claims ownership of Registration No. 413,148.
FOR BRICK PRESSES, PULP PRESSES, AND AUTOMATIC JOINTER FEEDERS FOR WOODWORKING MACHINES.
Claims use since Sept. 24, 1945.

Ser. No. 556,762. BETHLEHEM SUPPLY COMPANY, Tulsa, Okla. Filed May 11, 1948.

BREEZE

FOR OIL FIELD DRILLING EQUIPMENT (DRAWWORKS).
Claims use since February 1948.

Ser. No. 556,845. TELECOIN CORPORATION, New York, N. Y. Filed May 11, 1948.

Tele-Juice

Applicant makes no claim to the word "Juice" apart from the mark as shown.
FOR AUTOMATIC COIN CONTROLLED VENDING MACHINES FOR CANNED GOODS, INCLUDING FRUIT AND VEGETABLE JUICES AND BEVERAGES.
Claims use since Jan. 1, 1946.

Ser. No. 556,879. FOLEY MANUFACTURING COMPANY, Minneapolis, Minn. Filed May 12, 1948. Under section 2f of the act of 1946.

Foley

Applicant claims ownership of Registration No. 289,006.
FOR MASHER-RICER-STRAINER-COLANDERS, FORKS, FLOUR SIFTERS, FOOD CHOPPERS, CAN OPENERS, SAW RETOOTHERS, SAW FILERS FOR HAND, BAND, AND CIRCULAR SAWS, LAWN MOWER SHARPENERS.
Claims use since Nov. 14, 1923.

Ser. No. 559,560. DELMER D. TERRILL, doing business as D. D. Terrill Saw Company, Bangor, Maine. Filed June 17, 1948.

DDT

FOR SAW BLADES AND SAW FRAMES.
Claims use since Feb. 23, 1948.

Ser. No. 563,999. THE HENDEY MACHINE COMPANY, Torrington, Conn. Filed Apr. 9, 1948. Under section 2f of the act of 1946.

HENDEY

Applicant claims ownership of Registrations Nos. 239,987 and 252,843.
FOR LATHES, SHAPERS, MILLING MACHINES AND CENTERING MACHINES.
Claims use since September 1927.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 537,205. LYON METAL PRODUCTS, INCORPORATED, Aurora, Ill. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

LYON

FOR IRONING TABLES.
Claims use since Dec. 1, 1913.

Ser. No. 563,722. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y. Filed Aug. 19, 1948.

Stylist

Applicant claims ownership of Registration No. 366,933.
FOR FOLDABLE IRONING TABLES.
Claims use since July 1936.

CLASS 25

LOCKS AND SAFES

Ser. No. 550,155. LARMLOC CORPORATION, Chicago, Ill. Filed Feb. 19, 1948. Under section 2f of the act of 1946.

LARMLOC

FOR LOCKS AND LOCK SYSTEMS FOR USE IN STORES, OFFICES, AND HOMES.
Claims use since Dec. 5, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 541,768. O-CEDAR CORP'N, Chicago, Ill. Filed July 24, 1947. Under section 2f of the act of 1946.

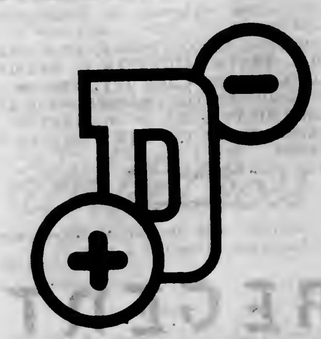
SHAKE-AWAY

Applicant claims ownership of Registration No. 359,297.
FOR DUST MOPS.
Claims use since Mar. 1, 1935.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 531,017. CHEMICAL PROCESS COMPANY, San Francisco, Calif. Filed Aug. 11, 1947.



FOR SYNTHETIC RESINOUS ION EXCHANGE MATERIALS.
Claims use since January 1946.

Ser. No. 541,254. BENDIX AVIATION CORPORATION, South Bend, Ind. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

SKINNER

FOR FLUID FILTERS OF THE SURFACE FILTRATION TYPE AND FLUID DEMULSIFIERS.
Claims use since 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 530,375. THE J. R. CLARK COMPANY, Minneapolis, Minn. Filed Aug. 4, 1947.

SPACE SAVER

Applicant claims ownership of Registrations Nos. 224,399 and 500,065.
FOR STEP LADDER STOOLS.
Claims use since 1939.

Ser. No. 535,106. VISIBLE INDEX CORPORATION, Long Island City, N. Y. Filed Sept. 19, 1947.

VISIrecord

Applicant claims ownership of Registrations Nos. 389,598 and 400,114.

FOR POSTING TRAYS, DESKS, FILE CABINETS, PORTABLE TRAYS, ADJUSTABLE STANDS FOR TRAYS AND CABINETS AND DIVIDERS OF METAL, PLASTIC COMPOSITIONS, PRESSED WOOD AND THE LIKE FOR THE PURPOSE OF SEPARATING CARDS IN CABINETS, TRAYS AND THE LIKE INTO GROUPS OR SECTIONS.

Claims use since September 1938.

Ser. No. 536,773. THE DICKEY MANUFACTURING COMPANY, Toledo, Ohio. Filed Oct. 4, 1947.

REGENT

FOR VENETIAN BLINDS.
Claims use since Sept. 25, 1946.

Ser. No. 536,794. JOANNA-WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

COTTAGE

Applicant claims ownership of Registration No. 423,379.
FOR WINDOW SHADES.
Claims use since Jan. 1, 1930.

Ser. No. 542,230. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

KARPEN

Applicant claims ownership of Registration No. 375,991.
FOR FURNITURE, EITHER ALL-WOOD FURNITURE, ALL-UPHOLSTERY FURNITURE, COMBINATION WOOD AND CANE FURNITURE, COMBINATION WOOD AND UPHOLSTERY FURNITURE, COMBINATION CANE AND UPHOLSTERY FURNITURE, OR COMBINATION WOOD, UPHOLSTERY, AND CANE FURNITURE—NAMELY, DINING-ROOM CHAIRS, BEDROOM-CHAIRS, OFFICE-CHAIRS OF SWIVEL TYPE, AS WELL AS REGULAR LEG-BASES, RESTAURANT-CHAIRS, CHAIRS FOR BILLIARD-ROOMS, BENCHES FOR USE IN BEDROOMS OR LIVING-ROOMS, TYPE-WRITER CHAIRS, BOOKKEEPING-CHAIRS, SHOE-FITTING CHAIRS, STORE-CHAIRS, JURY-CHAIRS, REVOLVING COUNTER-CHAIRS, REVOLVING STOOLS, COSTUMERS TABLET RESTAURANT-CHAIRS, SETTEES, SOFAS, AND DAVENPORTS; ALSO OFFICE-DESKS, OFFICE AND LIBRARY AND BEDROOM TABLES, WRITING-DESKS, END TABLES, DAVENPORT-TABLES, FERNERY, CHAISES LONGUES, LOUNGES, COUCHES OF EITHER CANE AND WOOD OR ALL UPHOLSTERED OR IN COMBINATION OF CANE, WOOD, AND UPHOLSTERY; ALSO FIBER RUSH AND REED FURNITURE CONSISTING OF SETTEES, SOFAS, DAVENPORTS, ARM-CHAIRS, ROCKERS, TABLES, DESKS, TEA-WAGONS, FERNERIES, BUFFETS, CHAIRS, BEDSTEADS, MATTRESSES, MATTRESS SPRINGS, AND UPHOLSTERED BOX SPRINGS.

Claims use since 1884.

Ser. No. 543,998. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Dec. 10, 1947.

RELAXON

Applicant claims ownership of Registration No. 256,905.
FOR SPRING CONSTRUCTIONS FOR THE INTERIORS OF CUSHIONS AND MATTRESSES.

Claims use since Mar. 10, 1924, by applicant's predecessor; and since May 24, 1945, by applicant.

Ser. No. 546,898. JOHN WILLY, INC., Chicago, Ill. Filed Jan. 13, 1948.



The representation of the man is fanciful. Applicant claims ownership of Registration No. 244,544.

FOR RACKS USED IN STORAGE OF GARMENTS, MISCELLANEOUS BOOKKEEPING DEVICES SUCH AS RECORDS, CARDS, AND PAPER; CABINETS USED FOR STORING BOOKKEEPING SUPPLIES, INCLUDING RECORD BOOKS, LETTERS, AND FORMS.

Claims use since 1911.

Ser. No. 549,529. THE ENGLANDER COMPANY, INC., Chicago, Ill. Filed Feb. 12, 1948.

Englander

Applicant claims ownership of Registration No. 385,684.
FOR MATTRESSES, BOX SPRINGS, METAL BED SPRINGS, STUDIO COUCHES, DUO-DIVANS, AND FOLDING COTS.

Claims use since Jan. 1, 1922.

Ser. No. 550,218. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Feb. 20, 1948. Under section 2f of the act of 1946.

CRAWFORD

Applicant claims ownership of Registration No. 319,882.
FOR CUSHIONS, PILLOWS, CHAIR PADS, SLIP COVERS FOR FURNITURE, SLIP COVERS FOR GLIDERS, RAIN COVERS FOR OUTDOOR FURNITURE, CHAIR RECOVERS, AND HASSOCKS.

Claims use since January 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 531,549. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

Silent Automatic

Applicant claims ownership of Registration No. 268,440.
FOR FURNACES, BOILERS, WATER HEATERS, AND BURNERS AND ACCESSORIES THEREFOR AND PARTS THEREOF, AND AIR CONDITIONING APPARATUS—NAMELY, ROOM TYPE UNITS FOR COOLING, HUMIDIFYING, FILTERING, AND CIRCULATING AIR, FOR USE IN HOMES, HOSPITALS, HOTELS AND OFFICES; AND AIR CONDITIONING FLUID FUEL BURNING FURNACES FOR HEATING, HUMIDIFYING, FILTERING, AND CIRCULATING AIR IN BUILDINGS, AND COMPONENT PARTS THEREOF.

Claims use since August 1926.

Ser. No. 546,656. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Gotham

FOR STOVES AND RANGES.
Claims use since Jan. 15, 1936.

CLASS 37

PAPER AND STATIONERY

Ser. No. 531,445. DEERFIELD GLASSINE COMPANY, Monroe Bridge, Mass. Filed Aug. 15, 1947.

CELLOSHEEN

FOR GLASSINE PAPER.
Claims use since January 1934.

Ser. No. 532,136. HOFFMASTER PAPER COMPANY, INC., Oshkosh, Wis. Filed Aug. 22, 1947.

Cellutex

FOR EMBOSSED FOLDED PAPER NAPKINS.
Claims use since July 14, 1947.

Ser. No. 561,836. ROLLA W. KUHLMAN, Waco, Tex. Filed July 21, 1948.

The "Moni-Master"

FOR BUDGET PLAN CONSISTING OF ENVELOPS, PRINTED BLANK FORMS, AND PRINTED INSTRUCTIONS.

Claims use since June 11, 1948.

Ser. No. 562,534. BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed July 30, 1948.

White Cross

FOR TOILET PAPER.
Claims use since 1932.

Ser. No. 563,193. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed Aug. 11, 1948.

Kalafilm

FOR HIGH GLOSS COATED SHELF PAPER.
Claims use since July 1, 1936.

CLASS 39

CLOTHING

Ser. No. 490,887. L. D. KEEHN, doing business under the name Keehn Brothers, Chicago, Ill. Original filed, act of 1905, Nov. 1, 1945; amended to application under act of 1946, Principal Register, Feb. 3, 1948. Under section 2f of the act of 1946.

Blue Tip

Applicant claims ownership of Registration No. 164,240.
FOR SHOES, EXCLUDING BLUE SHOES AND SHOES HAVING BLUE TOE CAPS, BUT NOT EXCLUDING SHOES HAVING A BLUE TIP ON THE UNDER OUTER FACE OF THE SOLE OF THE SHOE.

Claims use since Oct. 17, 1922.

Ser. No. 498,709. ISADORE MEYERS & SONS, Philadelphia, Pa. Original filed, act of 1905, Mar. 21, 1946; amended to application under act of 1946, Principal Register, Mar. 18, 1948.

Melrose Park

FOR TROUSERS.
Claims use since Nov. 1, 1945.

Ser. No. 512,285. PORTLAND GLOVE COMPANY, Portland, Oreg. Original filed, act of 1905, Nov. 8, 1946; amended to application under act of 1946, Principal Register, Aug. 10, 1948. Under section 2f of the act of 1946.

ST. JOHNS

FOR WORK CLOTHING—NAMELY, LEATHER AND FABRIC GLOVES AND MITTENS, LEATHER JACKETS, PROTECTIVE OVERALLS, APRONS, AND WELDERS' SPATS.
Claims use since Jan. 1, 1941.

Ser. No. 524,095. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Original filed, act of 1905, June 12, 1947; amended to application under act of 1946, Principal Register, Apr. 9, 1948.

LORRAINE

FABRICS OF INTEGRITY

Applicant disclaims the words "Fabrics of."
FOR MEN'S, WOMEN'S, AND CHILDREN'S SUITS AND OVERCOATS, SPORT SHIRTS, UNDER SHIRTS AND DRAWERS, BATHING SUITS, AND BATH ROBES, MADE OF WOOL AND WOOLEN FABRICS.
Claims use since June 1882.

Ser. No. 530,791. WRIGHT'S UNDERWEAR CORPORATION, doing business as Glastenbury Knitting Co., New York, N. Y. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

GLASTENBURY KNITTING CO.

The words "Knitting Co." are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 46,663, 49,768, 502,886, and 511,238.
FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR.
Claims use since Mar. 1, 1855.

Ser. No. 530,980. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

Draper-Maynard

FOR MEN'S AND BOYS' SPORT AND ATHLETIC CLOTHING—NAMELY, SHIRTS, PANTS, BELTS, CAPS, HATS, AND HOSE.
Claims use since Oct. 1, 1900.

Ser. No. 545,803. WASHOUGAL WOOLEN MILLS, Washougal, Wash. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

WASHOUGAL

Applicant claims ownership of Registration No. 185,938.
FOR MEN'S TROUSERS AND SLACKS; MEN'S, WOMEN'S, BOYS', AND GIRLS' OUTER SHIRTS; AND MEN'S ONE-PIECE COVERALLS.
Claims use since Apr. 1, 1912.

Ser. No. 547,998. JOLIBAR HOSIERY CO., Boston, Mass. Filed Jan. 26, 1948.

Gremlins

FOR HOSIERY.
Claims use since Feb. 18, 1947.

Ser. No. 548,264. BARBARA JEAN HOSIERY COMPANY, South Langhorne, Pa. Filed Jan. 29, 1948.

Lady Penndel

The mark "Lady Penndel" is fanciful.
FOR HOSIERY.
Claims use since Aug. 15, 1947.

Ser. No. 548,309. AMERICAN PLAYSUIT CO. INC., New York, N. Y. Filed Jan. 30, 1948.

Playville.

FOR CHILDREN'S OVERALLS, SNOW SUITS, AND PLAY SUITS.
Claims use since Oct. 14, 1947.

Ser. No. 551,082. CALIFORNIA SPORTWEAR COMPANY, Los Angeles, Calif. Filed Mar. 8, 1948.

The SUEDE-MASTER

The word "Suede" is disclaimed apart from the mark as shown in the drawing.
FOR MEN'S, WOMEN'S, AND CHILDREN'S JACKETS AND COATS.
Claims use since March 1947.

Ser. No. 551,566. JULIUS KAYSER & CO., New York, N. Y. Filed Mar. 9, 1948.

AMPLON

FOR HOSIERY.
Claims use since Jan. 14, 1948.

Ser. No. 551,567. JULIUS KAYSER & CO., New York, N. Y. Filed Mar. 9, 1948.

Lacelon

FOR HOSIERY.
Claims use since Jan. 14, 1948.

Ser. No. 552,083. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Mar. 16, 1948.

WONDERLAND

FOR HOSIERY.
Claims use since Feb. 15, 1948.

Ser. No. 552,982. KALFIN-FLEISCHMANN, INC., Boston, Mass. Filed Mar. 25, 1948.

a Marfin coat

The words "A" and "Coat" are disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S WATERPROOF AND WATER REPELLENT COATS AND JACKETS.
Claims use since Mar. 5, 1948.

Ser. No. 553,749. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Apr. 2, 1948.

equals (=)

FOR HOSIERY.
Claims use since Mar. 6, 1948.

Ser. No. 553,750. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Apr. 2, 1948.

minus (-)

FOR HOSIERY.
Claims use since Mar. 6, 1948.

Ser. No. 554,164. S. RUDOFKER'S SONS, INC., Philadelphia, Pa. Filed Apr. 8, 1948.



The picture of the man in the drawing is fanciful. Applicant claims ownership of Registration No. 362,116.
FOR BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR.
Claims use since October 1936.

Ser. No. 554,165. S. RUDOOKER'S SONS, INC., Philadelphia, Pa. Filed Apr. 8, 1948.



The picture of the man is fanciful.
FOR BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR.
Claims use since October 1936.

Ser. No. 554,166. S. RUDOOKER'S SONS, INC., Philadelphia, Pa. Filed Apr. 8, 1948.



The picture of the man is fanciful. Applicant claims ownership of Registration No. 362,116.
FOR BOYS', YOUTHS', AND MEN'S COATS, PANTS, VESTS, AND SUITS FOR FORMAL WEAR.
Claims use since July 1, 1947.

Ser. No. 554,271. SUPERIOR COMPANY, INC., New York, N. Y. Filed Apr. 9, 1948.

LIGHT WEIGHT



BOXER

The words "Lightweight" and "Boxer" are disclaimed apart from one another and from the mark as shown.
FOR UNDERWEAR, MORE PARTICULARLY BOYS' SHORTS, OF KNITTED AND TEXTILE FABRICS AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1948.

Ser. No. 554,392. MURPHY, BRILL & SAHNER, INC., New York, N. Y. Filed Apr. 12, 1948.

SERVITEEN

Applicant claims ownership of Registration No. 507,171.
FOR HOSIERY.
Claims use since Apr. 7, 1948.

Ser. No. 554,393. MURPHY, BRILL & SAHNER, INC., New York, N. Y. Filed Apr. 12, 1948.

SERVITOTS

Applicant claims ownership of Registration No. 507,171.
FOR HOSIERY.
Claims use since Apr. 7, 1948.

Ser. No. 554,440. STYLECRAFT HOSIERY CORP., New York, N. Y. Filed Apr. 12, 1948.

STYLECRAFT
JIGGER
SOX

Applicant disclaims the word "Sox" apart from the mark as shown. Applicant claims ownership of Registration No. 430,707.
FOR HOSIERY.
Claims use since July 21, 1944.

Ser. No. 555,138. ABRAMS & MANN, INC., New York, N. Y. Filed Apr. 16, 1948.

Gracemakers

FOR LADIES' BATHING SUITS, PLAY CLOTHES, SUN DRESSES, BLOUSES, SKIRTS, BEACH ENSEMBLES, BATHING CAPES, BEACH COATS, SHORTS, SLACKS, BEACH ROBES, AND HALTERS.
Claims use since Mar. 9, 1948.

Ser. No. 555,667. LOUIS GELOEB, INC., New York, N. Y. Filed Apr. 27, 1948.

PROPORTIONEERS

FOR WOMEN'S SPORTSWEAR—NAMELY, DRESSES, SLACKS, JUMPERS, BLOUSES, SKIRTS, AND JACKETS.
Claims use since Apr. 7, 1948.

Ser. No. 555,839. PEERLESS SHIRT & OVERALL MFG. CO., Wilkes-Barre, Pa. Filed Apr. 29, 1948.

BLUE DEVIL



No exclusive claim is made to the word "Blue" apart from the mark as shown.
FOR MEN'S, WOMEN'S, AND BOYS' WORK CLOTHING—NAMELY, OVERALLS, DUNGAREES, JACKETS, TROUSERS, AND SHIRTS.
Claims use since July 1, 1915.

Ser. No. 555,860. RUSSEKS FIFTH AVENUE, INC., New York, N. Y. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

Russeks

FOR WOMEN'S, MISSES', AND CHILDREN'S HATS; SHOES; SLIPPERS; PUTTIES; AND FABRIC, LEATHER, AND WOOL GLOVES; LEGGINGS; OVERGAITERS AND SPATS; SWEATERS; STOCKINGS; SOCKS; UNDERWEAR; COLLAR AND CUFF SETS; NECKTIES; GARMENT BELTS; SCARFS; CLOAKS; COATS AND SUITS; DRESSES; LINGERIE—NAMELY, DRAWERS, STEP-INS, BLOOMERS, VESTS, CHEMISES, CORSET COVERS, DANCING SETS, COSTUME SLIPS, NEGLIGEES, AND PETTICOATS—APRONS, PYJAMAS; WRAPPERS, OUTER AND UNDER SKIRTS, BLOUSES, CAPS, WAISTS, NIGHTGOWNS, BODICES, CORSETS, BRASSIÈRES, RIDING HABITS, SPORT COATS; BATHING SUITS AND ROBES; FUR COATS AND FUR SCARFS.
Claims use since 1900.

Ser. No. 555,969. STREAMLINE GARMENT CORPORATION, Chicago, Ill. Filed Apr. 30, 1948.

Double AAA
COTTONS

The word "Cottons" is disclaimed apart from the mark. The drawing is lined for shading purposes only.
FOR LADIES' DRESSES.
Claims use since Jan. 2, 1948.

Ser. No. 556,034. TOWN-MOOR, INC., New York, N. Y. Filed May 1, 1948.

Town-Moor

The word "Town" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 405,056.
FOR LADIES' COATS.
Claims use since Feb. 2, 1948.

Ser. No. 556,155. WARSHAUER & FRANCK, INC., Boston, Mass. Filed May 3, 1948. Under section 2f of the act of 1946.

Ellen Lord
ORIGINAL

The trade-mark is fanciful. The word "Original" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Mar. 17, 1941.

Ser. No. 557,117. CORNIBERT, INC., New York, N. Y. Filed May 15, 1948. Under section 2f of the act of 1946.

Colbert

Applicant claims ownership of Registration No. 408,970.
FOR WOMEN'S PLAY SUITS, BATHING SUITS, BLOUSES, SHORTS FOR OUTER WEAR, SLACKS, HALTERS, SCARFS, AND HEAD WEAR—NAMELY, TURBANS, PEASANT SQUARES, AND KERCHIEFS.
Claims use since February 1942.

Ser. No. 557,118. CORNIBERT, INC., New York, N. Y. Filed May 15, 1948. Under section 2f of the act of 1946.

SUN 'n SHOWER
Fascinator

Applicant claims ownership of Registration No. 407,133.
FOR LADIES' AND MISSES' SCARFS, DICKEYS, COLLARS, AND VESTEES, AND A WATERPROOFED DEVICE WHICH MAY BE WORN AS A HAT OR A COLLAR.
Claims use since Feb. 1, 1943.

Ser. No. 558,298. HALLOWELL SHOE COMPANY, Hallowell, Maine. Filed June 2, 1948.

CATHY
CUPIDS

FOR SHOES, MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since May 13, 1948.

Ser. No. 558,400. MERCANTILE STORES COMPANY, INC., Wilmington, Del. Filed June 3, 1948.

Brookford

Applicant claims ownership of Registrations Nos. 231,194 and 272,627.
FOR SHOES.
Claims use since Jan. 25, 1940.

Ser. No. 559,263. WEBER AND HEILBRONER, INC., New York, N. Y. Filed June 15, 1948.

Breezeweight

Applicant claims ownership of Registration No. 378,092.
FOR MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS, UNDERWEAR, SOCKS, AND NECKTIES, AND WOMEN'S SUITS, COATS, BLOUSES, DRESSES, HOSIERY, AND SHOES.
Claims use since June 1927 on men's suits, slacks, outer and under shirts, underwear, socks, and neckties; and since May 15, 1948, on women's suits, coats, blouses, dresses, hosiery, and shoes.

Ser. No. 560,284. THE PERRY KNITTING COMPANY, Perry, N. Y. Filed June 26, 1948.



Applicant claims ownership of Registration No. 366,377.
FOR INNER AND OUTER GARMENTS FOR MEN, BOYS, AND CHILDREN—NAMELY, ATHLETIC SHIRTS, UNDERSHIRTS, UNDERDRAWERS, UNION SUITS AND SHORTS FOR INNER AND OUTERWEAR. PAJAMAS AND NIGHTGOWNS, POLO SHIRTS, SWEAT SHIRTS, SWEATERS, SPORT SHIRTS, FOOTBALL SHIRTS, TENNIS SHIRTS, BASQUE SHIRTS, TRAINING PANTS, WAIST SUITS, AND SKI PANTS.
Claims use since Sept. 7, 1938.

Ser. No. 560,359. SOL SHERMAN, doing business as Sherman Products, New York, N. Y. Filed June 28, 1948.



CHI-WA-WA

FOR BOW TIES, NECKTIES, SPORT, DRESS, AND NEGLIGEE SHIRTS FOR MEN AND BOYS, SLACKS, PAJAMAS, SPORT COATS, SHORTS, SCARFS, UNDERWEAR FOR MEN AND BOYS, HANDKERCHIEFS, HOSIERY, AND SHOES.
Claims use since June 15, 1948.

Ser. No. 560,883. OLLY GRUNER, doing business as Blue-Bird Shoppe, New York, N. Y. Filed July 8, 1948.

LADY LEXINGTON

FOR LADIES' HOSIERY.
Claims use since June 2, 1948.

Ser. No. 561,142. RICH GUILD SHIRT COMPANY, New York, N. Y. Filed July 10, 1948.

ZIPONEER

FOR MEN'S SPORT SHIRTS AND DRESS SHIRTS.
Claims use since June 16, 1948.

Ser. No. 561,247. LAROMAN GRAY COMPANY, Philadelphia, Pa. Filed July 13, 1948.

BLUE MOON

Applicant claims ownership of Registrations Nos. 209,925 and 212,652.
FOR WOMEN'S HOSIERY.
Claims use since May 5, 1925.

Ser. No. 565,666. VANITY CORSET COMPANY, INC., New York, N. Y. Filed Sept. 22, 1948.

Beaumaid

FOR CORSETS, CORSELETS, GIRDLES, BANDEAUX, PANTIES, BRASSIÈRES, AND FOUNDATION GARMENTS.
Claims use since Sept. 1, 1948.

Ser. No. 566,809. CHARLES SCHUSTER, doing business as Eve-N-Form Undergarment Co., Philadelphia, Pa. Filed Oct. 11, 1948.

FORMALLY YOURS

FOR SLIPS AND PETTICOATS.
Claims use since Oct. 6, 1948.

Ser. No. 568,077. MARGARET S. SIMMON, New York, N. Y. Filed Nov. 2, 1948.

beaute-gard

The word "Gard" is disclaimed.
FOR COSMETIC PROTECTOR (HOODS MADE OF CLOTH WITH RECTANGULAR OPENING FOR THE EYES, TO PROTECT CLOTHING FROM COSMETICS WHEN TRYING ON WOMEN'S CLOTHES).
Claims use since Sept. 15, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 571,146. KOH-I-NOOR, SPOJENE KOVOPRUMYSLOVE ZAVODY, NARODNI PODNIK, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia. Filed Dec. 27, 1948.

REGULA

Applicant claims ownership of Czechoslovakian Registration No. 96787/33585, dated Dec. 22, 1927.
FOR CLOSURES AND FASTENERS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS FOR WEARING APPAREL, BAGS, AND POUCHES—NAMELY, BUTTONS, BUCKLES, SNAP FASTENERS, HOOK AND EYE FASTENERS; CROCHET HOOKS; HAND KNITTING AND NETTING NEEDLES; NEEDLES FOR HAND SEWING; HAIR CLASPS; PINS AND CLIPS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS—NAMELY, SAFETY PINS, KNITTING PINS, HAIR PINS, BOBBY PINS, HAT PINS, SCARF PINS, TOILET PINS, HAT AND COSTUME ORNAMENTS, HAIR ORNAMENTS, HAIR GRIPS, NON-ELECTRIC HAIR CURLERS AND WAVERS.

Ser. No. 571,147. KOH-I-NOOR, SPOJENE KOVOPRUMYSLOVE ZAVODY, NARODNI PODNIK, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia. Filed Dec. 27, 1948.

LORD

Applicant claims ownership of Czechoslovakian Registration No. 102,362/7464, dated Feb. 11, 1913.
FOR CLOSURES AND FASTENERS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS FOR WEARING APPAREL, BAGS, AND POUCHES—NAMELY, BUTTONS, BUCKLES, SNAP FASTENERS, HOOK AND EYE FASTENERS; CROCHET HOOKS; HAND KNITTING AND NETTING NEEDLES; NEEDLES FOR HAND SEWING; HAIR CLASPS; PINS AND CLIPS MADE FROM NON-PRECIOUS METALS AND FROM PLASTICS—NAMELY, SAFETY PINS, KNITTING PINS, HAIR PINS, BOBBY PINS, HAT PINS, SCARF PINS, TOILET PINS, HAT AND COSTUME ORNAMENTS, HAIR ORNAMENTS, HAIR GRIPS, NON-ELECTRIC HAIR CURLERS AND WAVERS.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 540,218. SUMNER COMPANY, INC., Columbia, S. C. Filed Nov. 5, 1947.

''THERMO-LAST''

FOR PRESS CLOTH, IN THE PIECE, ESPECIALLY MADE FOR EXTRACTING OILS.
Claims use since July 25, 1947.

Ser. No. 542,366. STRAUSS AND COMPANY INCORPORATED, Baltimore, Md. Filed Nov. 25, 1947.

ECHO

FOR SHEETS, PILLOW CASES, WIDE AND NARROW SHEETINGS OF COTTON, AND TUBINGS OF COTTON.
Claims use since Aug. 18, 1947.

Ser. No. 551,089. CONE EXPORT AND COMMISSION CO., INC., New York, N. Y. Filed Mar. 3, 1948. Under section 2f of the act of 1946.



The word "Denim" is disclaimed apart from the mark. The drawing is lined to indicate shading. Applicant claims ownership of Registration No. 351,020.
FOR TEXTILE FABRICS IN THE PIECE—NAMELY, DENIMS.
Claims use since April 1936.

Ser. No. 555,046. BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Apr. 20, 1948.



Beacon

Applicant claims ownership of Registrations Nos. 62,895, 99,536, 99,537, 99,538, 99,539, 100,249, 100,486, 157,000, 157,864, 159,658, and 316,675.
FOR BED BLANKETS, WRAPPER BLANKETS, BED COMFORTABLES, EIDER-DOWN PIECE GOODS, AND CRIB BLANKETS.
Claims use since April 1905.

Ser. No. 556,247. COLLINS & AIKMAN CORPORATION, New York, N. Y., and Philadelphia, Pa. Filed May 5, 1948.
Applicant claims ownership of Registrations Nos. 90,510, 218,549, 218,550, 275,488, and 343,330.

CA

FOR CUT AND LOOP PILE AND NON-PILE FABRICS, IN THE PIECE OR CUT LENGTHS, OF WOOL, MOHAIR, RAMIE, LINEN, JUTE, METALLIC, AND SYNTHETIC FIBERS.
Claims use since Jan. 4, 1912.

Ser. No. 557,435. C. R. DANIELS, INC., Baltimore, Md. Filed May 20, 1948.

DANDRY

FOR WATERPROOF CANVAS IN BULK OR ROLLS.
Claims use since June 1927.

Ser. No. 558,952. S. STROOCK & CO., INC., New York, N. Y. Filed June 10, 1948.

ANDESIA

FOR WOVEN CLOTH COMPOSED OF ALPACA, MOHAIR, WOOL, OR A MIXTURE THEREOF, BY THE PIECE, AND BLANKETS MADE THEREOF.
Claims use since Dec. 6, 1937.

Ser. No. 558,953. S. STROOCK & CO., INC., New York, N. Y. Filed June 10, 1948.

BACTRIANA

FOR WOVEN CLOTH COMPOSED OF CAMEL'S HAIR, BY THE PIECE.
Claims use since Jan. 7, 1939.

Ser. No. 558,960. S. STROOCK & CO., INC., New York, N. Y. Filed June 10, 1948.

KASHLEIGH

FOR WOVEN CLOTH COMPOSED OF CASHMERE OR WOOL, OR A MIXTURE THEREOF, BY THE PIECE, AND BLANKETS MADE THEREOF.
Claims use since Jan. 14, 1941.

Ser. No. 559,383. STATE SANITARY SUPPLY CO., Chicago, Ill. Filed Feb. 10, 1948.

STATETEX

FOR TABLECLOTHS, NAPKINS, SHEETS, PILLOW CASES, BATH TOWELS, AND WASH CLOTHS.
Claims use since February 1947.

Ser. No. 561,116. HEBERLEIN & CO., A. G., Wattwil, Switzerland. Filed July 10, 1948.

CREPE ONDOR

The word "Crepe" is disclaimed apart from the mark.
Applicant claims ownership of Swiss Registration No. 79,611, dated Feb. 2, 1933.
FOR FABRICS WITH CREPE-LIKE EFFECTS OF COTTON, LINEN, HALF-LINEN, AND COTTON-SPUN RAYON MIXTURES, IN THE PIECE.

Ser. No. 562,992. FRENCH TEXTILE COMPANY, New York, N. Y. Filed Aug. 7, 1948.

Fleur de Lys

FOR MILLINERY VEILING.
Claims use since Jan. 5, 1948.

Ser. No. 563,811. DURALOOM CARPET MILLS, INC., New York, N. Y. Filed Aug. 21, 1948.

Duraloom

FOR WOVEN CARPETS.
Claims use since January 1948.

Ser. No. 564,352. ROCKFORD MITTEN & HOSIERY COMPANY, doing business as Dunderry Woolen Mills, Rockford, Ill. Filed Aug. 28, 1948. Under section 2f of the act of 1946.

Dunderry

Applicant claims ownership of Registration No. 293,206.
FOR TEXTILE FABRICS—NAMELY, WOOL, WOOL MIXED, COTTON, AND RAYON FABRICS.
Claims use since Feb. 24, 1930.

Ser. No. 564,437. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed Aug. 31, 1948.

RAY-MENT

FOR PIECE GOODS OF COTTON AND RAYON MIXTURE.
Claims use since July 30, 1948.

Ser. No. 565,334. JOSEPH GLUCK FABRICS, INC., New York, N. Y. Filed Sept. 17, 1948.

SWANGLO

FOR RAYON PIECE GOODS.
Claims use since June 1948.

Ser. No. 567,470. SERVICE TEXTILE COMPANY, INC., Newark, N. J. Filed Oct. 22, 1948.



The expression "Take to Water Like a Duck" is disclaimed.
FOR DISH TOWELS.
Claims use since Sept. 1, 1948.

Ser. No. 568,464. WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed Nov. 9, 1948.

SIR-SEER

Applicant claims ownership of Registration No. 351,959.
FOR PRINTED PLISSÉ.
Claims use since July 26, 1948.

Ser. No. 571,107. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Dec. 27, 1948.

Dov-Lee

FOR INFANTS' CRIB SHEETS AND PILLOWCASES, CRIB AND RECEIVING BLANKETS, KNIT TOWELS AND WASH CLOTHS, AND QUILTED PADS.
Claims use since Dec. 1, 1948.

Ser. No. 571,454. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Dec. 31, 1948.

RUSTEENA

FOR FABRICS IN THE PIECE OF SYNTHETIC FIBRES.
Claims use since Sept. 20, 1948.

Ser. No. 571,462. RAYFLEX FABRICS, INC., New York, N. Y. Filed Dec. 31, 1948.

WUNDAFLEX

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since Nov. 17, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 568,257. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England. Filed Nov. 5, 1948.

TERYLENE

Applicant claims ownership of British Registration No. 646,993, dated Apr. 17, 1946.
FOR SYNTHETIC YARNS AND THREAD.

Ser. No. 573,322. THE HEMINWAY & BARTLETT MFG. CO., Watertown, Conn. Filed Feb. 4, 1949.

PARAGON

Applicant claims ownership of Registration No. 267,983.
FOR SILK SEWING, MENDING, AND DARNING THREAD.
Claims use since before Dec. 31, 1900.

Ser. No. 573,482. FLEISHER YARNS, INC., Long Island City, N. Y. Filed Feb. 8, 1949.

HIGHLAND

Applicant claims ownership of Registrations Nos. 256,036 and 256,037.
FOR ART NEEDLEWORK YARNS.
Claims use since July 25, 1928.

Ser. No. 573,958. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Feb. 16, 1949.

BABETTE

FOR WOOLEN KNITTING YARN.
Claims use since Aug. 15, 1947.

Ser. No. 574,498. THE DUPLAN CORPORATION, New York, N. Y. Filed Feb. 25, 1949.

CREPESNUG

FOR TEXTILE YARNS OF NATURAL OR SYNTHETIC FIBERS OR MIXTURES THEREOF.
Claims use since Feb. 11, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 510,839. HOEFLER'S CENTENNIAL CHOCOLATES, INC., LTD., San Francisco, Calif. Original filed, act of 1905, Oct. 14, 1946; amended to application under act of 1946, Principal Register, May 19, 1949. Under section 2f of the act of 1946.

Hoefler's

No claim is made to the name "San Francisco."
FOR CHOCOLATE COATED CREAM CENTER CANDIES OF VARIOUS FLAVORS.
Claims use since Feb. 20, 1914.

Ser. No. 512,534. ROTER PICKLE & CANNING COMPANY, doing business under the name of Gulf Pickle Co., Dallas, Tex., assignor to Robert B. Cobb and Alan G. Pullen, doing business as Cobb & Pullen, a partnership of Dallas, Tex. Original filed, act of 1905, Nov. 13, 1946; amended to application under act of 1946, Principal Register, Nov. 4, 1947.

T.H.B.
Texas Home Brand

No exclusive claim is made to the use of the words "Texas" and "Brand" apart from the mark as shown.
FOR PICKLES; SWEET RELISHES FOR SANDWICHES, HAMBURGERS, AND OTHER FOODS; PEPPER SAUCE; CHILI CORTILLOS, COMPOSED OF HOT CHILI PEPPER AND VINEGAR, WHICH IS SERVED WITH MEAT, BEANS, AND OTHER FOODS; AND HOT SAUCE FOR MEATS AND OTHER FOODS.
Claims use since 1938.

Ser. No. 519,206. MATMOR OLIVE COMPANY, Lindsay, Calif. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Principal Register, Mar. 5, 1948.

MATMOR

Applicant claims ownership of Registration No. 379,333.
FOR CANNED OLIVES AND OLIVE OIL.
Claims use since Dec. 1, 1937.

Ser. No. 523,312. JACK GREENBERG, INC., Philadelphia, Pa. Original filed, act of 1905, May 31, 1947; amended to application under act of 1946, Supplemental Register, May 5, 1948; amended to Principal Register, July 21, 1949.

MANFRED

FOR CHEESE.
Claims use since Feb. 10, 1947.

Ser. No. 525,492. MARITIME MILLING CO. INC., Buffalo, N. Y. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Sept. 14, 1948.

MARMICO

Applicant claims ownership of Registration No. 234,023.
FOR DAIRY FEED COMPRISED PRINCIPALLY OF DRIED BREWERS GRAINS; CORN GLUTEN FEED, SOYBEAN OIL MEAL, WHEAT BRAN, PULVERIZED SCREENINGS FROM WHEAT, OATS AND BARLEY, AND MOLASSES.
Claims use since Oct. 25, 1926.

Ser. No. 531,861. SUWANNEE FOOD & BAKING COMPANY, Jacksonville, Fla. Filed Aug. 19, 1947.

DIXIE DARLING

FOR WHITE, WHOLE WHEAT, AND RAISIN BREAD.
Claims use since Feb. 1, 1946.

Ser. No. 532,276. CLOVER CLUB FOODS COMPANY, Kaysville, Utah. Filed Aug. 25, 1947.

CLOVER CLUB

FOR POTATO CHIPS.
Claims use since Apr. 14, 1938.

Ser. No. 537,876. CONSOLIDATED FOODS, INC., Toledo, Ohio, now by change of name Kuehmann Foods, Inc. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

Kuehmann's

Applicant claims ownership of Registration No. 371,605.
FOR POTATO CHIPS.
Claims use since 1899.

Ser. No. 538,270. GENERAL GROCER COMPANY, St. Louis, Mo. Filed Oct. 18, 1947.

TOPMOST

Applicant claims ownership of Registration No. 137,068.
FOR FOOD PRODUCTS SOLD IN CANS, JARS AND BOTTLES—NAMELY, APPLE JUICE, APRICOT NECTAR (CONSISTING OF APRICOT JUICE, PULP, SUGAR AND WATER), ASPARAGUS, BEANS IN CHILI GRAVY, BEANS IN TOMATO SAUCE, WHOLE GREEN STRINGLESS BEANS, BEANS AND CARROTS, BEANS AND PORK, BEETS, BLACKBERRY JUICE, BLACK CHERRIES, BLUEBERRIES, BREAKFAST FIGS, CHERRIES, COCKTAIL JUICE (CONSISTING OF MIXED VEGETABLE JUICES), CORN, CRABAPPLES, DICED CARROTS, FRUIT COCKTAIL, GRAPEFRUIT, GRAPEFRUIT JUICE, GREEN BEANS, HOMINY, LOGANBERRIES, MACARONI SALAD (COMPRISING MACARONI, MAYONNAISE, PEAS, CARROTS, ONIONS, AND SPICES), MIXED VEGETABLES, ORANGE AND GRAPEFRUIT, ORANGE JUICE, PEACHES, PEARS, PEAS, PEAS AND CARROTS, PIMIENTOS, PINEAPPLE FRUITLETS, PINEAPPLE JUICE, POTATOES, PUMPKIN, RED CABBAGE, RED BEANS, RED KIDNEY BEANS, RED RASPBERRY JUICE, SALMON, SAUERKRAUT, SEEDLESS GRAPES, SLICED APPLES, SOY BEANS, SPINACH, STRINGLESS BEANS, SWEET POTATOES, TOMATOES, TOMATO JUICE, TOMATO PUREE, TOMATO SAUCE, TUNA FISH, VEGETABLES FOR SALADS, WAX BEANS, WHOLE ONIONS, YOUNGBERRIES, AND YOUNGBERRY JUICE.
Claims use since Apr. 10, 1920.

Ser. No. 538,400. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Oct. 20, 1947.

TEK-CEL

FOR SPRAY PROCESS POWDERED WHEY.
Claims use since June 25, 1947.

Ser. No. 538,403. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Oct. 20, 1947.

TEKNIMIX

FOR SPRAY PROCESS POWDERED WHOLE MILK.
Claims use since June 25, 1947.

Ser. No. 538,404. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Oct. 20, 1947.

TEKNIKAN

FOR SPRAY PROCESS POWDERED WHOLE MILK.
Claims use since June 25, 1947.

Ser. No. 538,406. GOLDEN STATE COMPANY, LTD., San Francisco, Calif. Filed Oct. 20, 1947.

TEK-SHURE

FOR SPRAY PROCESS POWDERED WHOLE MILK.
Claims use since June 25, 1947.

Ser. No. 543,950. JACK MALONEY, doing business as Panther Distributing Company, Fort Worth, Tex. Filed Dec. 10, 1947.



FOR SALAD DRESSINGS, PICKLES.
Claims use since July 1, 1936.

Ser. No. 544,596. NORRIS INC., Atlanta, Ga. Filed Dec. 17, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 138,842, 392,790, and 386,998.
FOR CANDY.
Claims use since Feb. 27, 1911.

Ser. No. 545,163. PURITAN MILLS, Atlanta, Ga. Filed Dec. 22, 1947.

HAM-BONE

FOR HOG FEED CONSISTING PRINCIPALLY OF DIGESTER TANKAGE AND FEED GRAINS.
Claims use since Aug. 28, 1929.

Ser. No. 545,837. FLORIDA PAPAYA PRODUCTS CO., Ellenton, Fla. Filed Dec. 31, 1947.

Vita-Paya

The word "Vita" is disclaimed apart from the mark.
FOR PAPAYA NECTAR, PAPAYA SYRUP FOR FOOD PURPOSES, ORANGE PRESERVES, AND ORANGE FILLER FOR PIES AND CAKES.
Claims use since September 1946.

Ser. No. 546,795. SIERRA MADRE-LAMANDA CITRUS ASSOCIATION, Pasadena, Calif. Filed Jan. 12, 1948.

Mt WILSON

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 549,432. FIRST NATIONAL STORES INC., Somerville, Mass. Filed Feb. 16, 1948. Under section 2f of the act of 1946.

Joan Carol

The name "Joan Carol" is fanciful and is not the name of a particular living individual. Applicant claims ownership of Registration No. 427,793.
FOR BAKERY PRODUCTS—NAMELY, DOUGHNUTS, BROWN BREAD, BAR LAYER CAKE, ANGEL CAKE, LIGHT FRUIT CAKE, CHOCOLATE MOCHA LAYER CAKE, ORANGE FILLED COFFEE CAKE, SPONGE LAYER CAKE, RAISIN POUND CAKE, BRAZIL BAR CAKE, WELLESLEY FUDGE CAKE, DARK FRUIT CAKE, ICED DESSERT RING, JELLY ROLL, COCOANUT LAYER CAKE, CHERRY CAKE, DESSERT RING, CREOLE SPICE RING, ENGLISH MUFFINS, APPLE FILLED COFFEE CAKE, COFFEE RINGS, FRANKFURT ROLLS, HAMBURG ROLLS, PARKER HOUSE ROLLS, AND CINNAMON BUNS.
Claims use since Jan. 1, 1933.

Ser. No. 551,995. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed Mar. 15, 1948.

Top-Kream

Applicant claims ownership of Registration No. 210,037.
FOR MINERAL FEED FOR DAIRY COWS AND CALVES.
Claims use since Nov. 28, 1924.

Ser. No. 552,308. DICKINSON & COMPANY, Chicago, Ill. Filed Dec. 1, 1947. Under section 2f of the act of 1946.

Woodford

Applicant claims ownership of Registration No. 138,540.
FOR CANNED VEGETABLES.
Claims use since 1900.

Ser. No. 552,812. KARL SEILER & SONS, INC., Philadelphia, Pa. Filed Mar. 23, 1948.

GOOSE NECK

Applicant claims ownership of Registration No. 299,895.
FOR LIVERWURST.
Claims use since Aug. 11, 1932.

Ser. No. 553,065. BELMONT PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 26, 1948.

BELQUIK

FOR RICE.
Claims use since Jan. 8, 1947.

Ser. No. 554,404. PASTENE & CO., INC., doing business under the name and style of "Splendor Products Co." and "Pagliaccio Products Co.," New York, N. Y. Filed Apr. 12, 1948.

Pagliaccio



Applicant claims ownership of Registrations Nos. 370,027 and 118,327.
FOR CANNED OLIVE OIL, CANNED VEGETABLES, AND CANNED TOMATO PASTE.
Claims use since 1914.

Ser. No. 554,826. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla. Filed Apr. 16, 1948.

BLUEBIRD

Applicant claims ownership of Registrations Nos. 81,443 and 294,117.
FOR CANNED CITRUS FRUITS AND CANNED CITRUS JUICES.
Claims use since 1930.

Ser. No. 554,827. SOUTHERN FRUIT DISTRIBUTORS, INC., Orlando, Fla. Filed Apr. 16, 1948.

CARDINAL

Applicant claims ownership of Registrations Nos. 81,444 and 271,350.
FOR CANNED CITRUS FRUITS AND CANNED CITRUS JUICES.
Claims use since 1930.

Ser. No. 555,007. ORANGE COVE CITRUS ASSOCIATION, Orange Cove, Calif. Filed Apr. 19, 1948.

GRANT PARK

FOR FRESH CITRUS FRUITS.
Claims use since 1929.

Ser. No. 556,906. NATIONAL PEANUT CORPORATION, Wilkes-Barre, Pa. Filed May 12, 1948.



The words "Tato Chip" are disclaimed apart from the mark as shown.
FOR POTATO CHIPS.
Claims use since Apr. 21, 1948.

Ser. No. 557,401. MRS. TUCKER'S FOODS, INC., Sherman, Tex. Filed May 19, 1948.

MEADOLAKE

Applicant claims ownership of Registration No. 248,937.
FOR OLEOMARGARINE, SWEET CREAM, AND CONDENSED MILK.
Claims use since Nov. 21, 1927.

Ser. No. 557,935. CHARLES W. KIRCHER, doing business as North Hollywood Egg Farms, North Hollywood, Calif. Filed May 27, 1948.

HennyPenny

FOR FRESH EGGS.
Claims use since Jan. 1, 1933.

Ser. No. 558,321. PURITAN COMPANY OF AMERICA, Chicago, Ill. Filed June 2, 1948.

Regency

No exclusive right is claimed to the word "Brand" apart from the mark as shown.
FOR OLIVES AND MARASCHINO CHERRIES.
Claims use since Mar. 19, 1948.

Ser. No. 559,258. TOBIN PACKING CO., INC., Rochester and Albany, N. Y. Filed June 15, 1948.

Tobinette

FOR BONELESS HAM.
Claims use since Feb. 19, 1948.

Ser. No. 559,525. MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed June 17, 1948.

Pearl Brand

Exclusive right to the use of the word "Brand" apart from the mark shown is not claimed.
FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 559,526. MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed June 17, 1948.

CAESAR

FOR FRESH CITRUS FRUITS.
Claims use since 1927.

Ser. No. 559,528. MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed June 17, 1948.

First AMERICAN

FOR FRESH CITRUS FRUITS.
Claims use since 1942.

Ser. No. 559,529. MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed June 17, 1948.

PALABELLS

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 559,530. MISSION CITRUS ASSOCIATION, Redlands, Calif. Filed June 17, 1948.

SAN LUIS

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 560,401. F. A. GOSSE COMPANY, Seattle, Wash. Filed June 29, 1948.

Seaprize

FOR CANNED SALMON.
Claims use since Feb. 10, 1926.

Ser. No. 560,528. BARKER BRANDS, INC., Sea Bright, N. J. Filed July 1, 1948.

PRO

FOR CHEWING GUM.
Claims use since May 14, 1948.

Ser. No. 560,757. F. A. GOSSE COMPANY, Seattle, Wash. Filed July 6, 1948. Under section 2f of the act of 1946.

Gosse's Best

Applicant claims ownership of Registration No. 314,240.
FOR CANNED FISH.
Claims use since 1930.

Ser. No. 560,967. RICHARD W. CALDWELL, doing business as Dick Caldwell and as Patty Pan Produce Company, Raymondville, Tex. Filed July 9, 1948.

Patty Pan

FOR FRESH VEGETABLES.
Claims use since Apr. 1, 1948.

Ser. No. 561,222. P. G. BEECROFT, Brawley, Calif. Filed July 13, 1948. Under section 2f of the act of 1946.

CROFTER

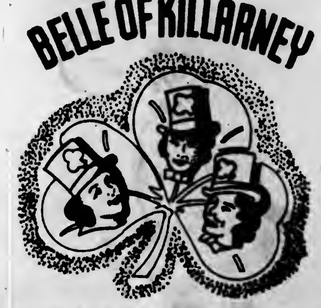
FOR FRESH VEGETABLES.
Claims use since November 1942.

Ser. No. 561,333. PANGBURN COMPANY, INC., Fort Worth, Tex. Filed July 14, 1948.

Palomino

FOR CANDY.
Claims use since Sept. 3, 1947.

Ser. No. 561,618. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed July 17, 1948.



The figures shown are fanciful. Applicant claims ownership of Registration No. 349,669.
FOR TEA.
Claims use since April 1934.

Ser. No. 561,662. ELDERWOOD CITRUS ASSOCIATION, Woodlake, Calif. Filed July 19, 1948.

WONDER WEST

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 5, 1947.

Ser. No. 561,667. GLASER, CRANDELL CO., Chicago, Ill. Filed July 19, 1948.

PIKUMS

FOR CANDIED SWEET PICKLES.
Claims use since Mar. 7, 1948.

Ser. No. 561,718. BUSH BROTHERS & COMPANY, Dandridge, Tenn. Filed July 20, 1948. Under section 2f of the act of 1946.

BUSH'S BEST

Applicant claims ownership of Registration No. 370,158.
FOR CANNED VEGETABLES, PORK AND BEANS, HOMINY, AND CANNED PUMPKIN.
Claims use since May 15, 1933.

Ser. No. 562,114. ANTONE ZANINOVICH & SONS, Delano, Calif. Filed July 23, 1948. Under section 2f of the act of 1946.

Antone's Quality

FOR FRESH GRAPES.
Claims use since August 1935.

Ser. No. 562,115. ANTONE ZANINOVICH & SONS, Delano, Calif. Filed July 23, 1948. Under section 2f of the act of 1946.

Lovell

FOR FRESH GRAPES.
Claims use since August 1935.

Ser. No. 562,667. SAN FERNANDO FRUIT GROWERS ASSOCIATION, San Fernando, Calif. Filed Aug. 2, 1948. Under section 2f of the act of 1946.

BOSTON

Applicant claims ownership of Registration No. 257,643.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 29, 1909.

Ser. No. 568,745. MCCRORY STORES CORPORATION, New York, N. Y. Filed Nov. 13, 1948.



Applicant disclaims the term "Doughnuts" and the representation of doughnuts apart from the mark shown. The rectangular frame, the words and the oval frame surrounding the medallion are all lined for brownish color in the drawing, while the space in the medallion surrounding the fanciful portrait is lined for a yellowish color and the leaves of the cotton plants are lined for shading. Applicant claims ownership of Registration No. 359,191.
FOR DOUGHNUTS.
Claims use since Nov. 15, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 478,537. BOSTON BEER COMPANY, South Boston, Mass. Original filed, act of 1905, Jan. 12, 1945; amended to application under act of 1946, Principal Register, Aug. 29, 1947. Under section 2f of the act of 1946.



BOSTON LIGHT

Applicant claims ownership of Registrations Nos. 415,083 and 421,241.
FOR BEER AND ALE.
Claims use since April 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 507,103. FLEX-O-LITE MANUFACTURING CORPORATION, St. Louis, Mo., assignee of B. & R. Manufacturing Company. Original filed, act of 1905, Aug. 9, 1946; amended to application under act of 1946, Principal Register, Sept. 15, 1948.

FLEX-O-LITE

The word "Lite" is disclaimed apart from the mark.
FOR REFLECTIVE GLASS BEADS FOR USE ON MUNICIPAL, HIGHWAY, AND AIRPORT CENTER LINES, SAFETY ZONES, RUNWAY NUMERALS, AND BOUNDARY LINES.
Claims use since Mar. 23, 1946.

Ser. No. 541,991. AMERICAN FELT COMPANY, Glenville, Conn. Filed Nov. 22, 1947.

AfCo

FOR FELT AND FELTING SOLD IN THE PIECE AND INTENDED FOR VARIOUS USES, AS MAKING SHOES AND SLIPPERS, SURGICAL PADS, AND SEALS FOR BALL BEARINGS.
Claims use since 1927.

Ser. No. 554,586. NOBLE MANUFACTURING COMPANY, INC., Haydenville, Mass. Filed Apr. 14, 1948.



FOR BROODERS, DRINKING FOUNTAINS, AND FEEDERS FOR POULTRY AND STOCK AND BATTERY BROODERS.
Claims use since Mar. 24, 1945.

Ser. No. 559,362. VULCAN CORPORATION, Portsmouth, Ohio. Filed June 16, 1948.

VULCAN

FOR SHOE LASTS.
Claims use since 1930.

CLASS 55

SERVICES

Ser. No. 539,682. EXTERMITAL CHEMICALS, INC., Dayton, Ohio. Filed Oct. 31, 1947. SERVICE MARK.



Applicant makes no claim to the term "Termite Service" or to the representation of a termite, apart from the mark as a whole. Applicant claims ownership of Registration No. 361,237.
FOR RIDDING PROPERTY OF TERMITE INFESTATION AND/OR REINFESTATION, INCLUDING INSPECTIONS AND THE NECESSARY TREATMENTS.
Claims use since March 1937.

Ser. No. 549,722. BENJAMIN FARER, doing business as The Farer Transportation Company, Waterbury, Conn. Filed Feb. 14, 1948. SERVICE MARK.



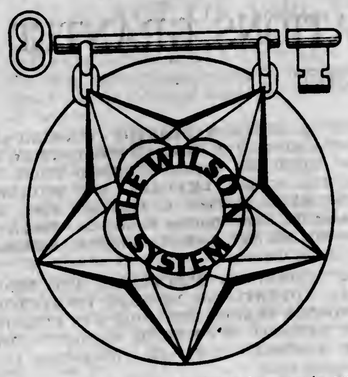
The words "Serving America's Great Publishers" are disclaimed.
FOR TRUCKING NEWSPAPERS AND MAGAZINES.
Claims use since Apr. 1, 1947.

Ser. No. 553,569. SIDNEY U. BERGMAN, doing business under the trade name of Sidney U. Bergman & Co., Chicago, Ill. Filed Apr. 1, 1948. SERVICE MARK.



The lining on the drawing is for red.
FOR INSURANCE BROKERAGE—NAMELY, LIFE, FIRE, HEALTH, ACCIDENT, BURGLARY, LIABILITY, EXPLOSION, AUTOMOBILE, AND PLATE GLASS INSURANCE.
Claims use since May 4, 1931.

Ser. No. 569,116. ALTON WILSON, Houston, Tex. Filed Nov. 19, 1948. SERVICE MARK.



"The Wilson System" is disclaimed separate and apart from the mark as shown.
FOR POINT OF SALE ADVERTISING SERVICE BY WHICH ADVERTISING SIGNS, WINDOW DISPLAYS, ETC., FURNISHED BY ADVERTISERS, ARE PLACED BY APPLICANT FOR DISPLAY IN LOCATIONS WHERE THE ADVERTISED PRODUCTS ARE SOLD.
Claims use since Oct. 23, 1948.

Ser. No. 573,022. AMERICAN AIRLINES, INC., New York, N. Y. Filed Jan. 29, 1949. SERVICE MARK.

Airconomy Plan

The word "Plan" is disclaimed.
FOR AIR TRANSPORT OF PASSENGERS AND FREIGHT.
Claims use since April 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,392. WATERPROOFING COMPOUND FOR WOOD, BRICK, ETC. VITA-VAR CORPORATION, Newark, N. J., assignor, by mesne assignments, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey (a new corporation).
Filed Sept. 23, 1944, Serial No. 474,561. Published June 14, 1949. Class 12.

443,393. METALLIC FENCING. ANCHOR POST FENCE COMPANY, Baltimore, Md., now by change of name Anchor Post Products, Inc., a corporation of New Jersey.
Filed Apr. 4, 1945, Serial No. 481,686. Published Oct. 5, 1948. Class 13.

443,394. ELECTRIC COFFEE ROASTERS. AUGUST S. TORRES, Kinderhook, N. Y.
Filed Apr. 9, 1946, Serial No. 499,926. Published June 21, 1949. Class 21.

443,395. SYNTHETIC SAPPHIRE, SYNTHETIC RUBY, AND SYNTHETIC SPINEL. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed Apr. 15, 1946, Serial No. 500,232. Published June 14, 1949. Class 28.

443,396. CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS TO ENHANCE THE DRILLING CHARACTERISTICS OF WELL DRILLING MUDS, SAID PREPARATIONS BEING ADAPTED FOR MIXING WITH THE SOIL WHEN DRILLING. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed Oct. 9, 1946, Serial No. 510,491. Published June 21, 1949. Class 6.

443,397. HONEY. WOODROW MILLER, doing business as Woodrow Miller and Company and Woodrow Miller Honey Company, Alhambra, Calif.
Filed Nov. 21, 1946, Serial No. 512,977. Published June 7, 1949. Class 46.

443,398. ELECTRICAL APPARATUS—NAMELY, RELAYS, SOLENOID OPERATED CONTACTORS, AND WOUND COILS. MAGNECON, Chicago, Ill., assignor to Magnecon, Inc., Chicago, Ill., a corporation of Illinois.
Filed Nov. 22, 1946, Serial No. 513,064. Published Mar. 16, 1948. Class 21.

443,399. GARMENT FASTENERS AND PINS, ALL MADE OF BASE METALS, SNAP FASTENERS, AND SEAM EDGE BINDINGS. REGAL THREAD AND NOTION CO., INC., Philadelphia, Pa.
Filed Nov. 27, 1946, Serial No. 513,336. Published May 24, 1949. Class 40.

443,400. COMBINED CLEANING AND POLISHING PREPARATIONS FOR USE ON FLOORS, WOODWORK, FURNITURE, LINOLEUM, TILE, ENAMEL, AND AUTOMOBILES. CLARA M. STINSON, doing business as Mac-Son-Ete Company, Cleveland Heights, Ohio.
Filed Dec. 4, 1946, Serial No. 513,693. Published June 21, 1949. Class 16.

443,401. CLEAR PENETRATING OIL; DETERGENT TYPE MOTOR LUBRICATING OIL; DOOR HINGE LUBRICATING GREASE; ETC. SUN OIL COMPANY, Philadelphia, Pa.
Filed Dec. 4, 1946, Serial No. 513,694. Published June 21, 1949. Class 15.

443,402. SEMI-SOLID, PLASTIC, NON-SILICATE OF SODA ADHESIVE CEMENT FOR UNITING PARTS OF ARTICLES MANUFACTURED FROM WOOD, METAL, GLASS, LEATHER, AND POTTERY, OR THE LIKE. GEORGE L. PHILLIPS, doing business under the name Phillips Plastic Co., Newkirk, Okla.
Filed Jan. 13, 1947, Serial No. 515,679. Published July 1, 1947. Class 5.

443,403. COMBINED ELECTRICAL AND MECHANICAL ADVERTISING DISPLAY PROJECTORS TO PROJECT IMAGES INTO SPACE IN FULL COLOR, IN NATURAL MOVEMENT, WITHOUT THE AID OF A SCREEN SURFACE. ANIMATION, INC., Los Angeles, Calif.
Filed Jan. 30, 1947, Serial No. 516,595. Published Feb. 24, 1948. Class 21.

443,404. BAKING SODA (BICARBONATE OF SODA) FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed Mar. 11, 1947, Serial No. 518,825. Published June 7, 1949. Class 46.

443,405. REMEDY FOR CALF SCOURS. LUCKY CALF MFG. CO., Chambers, Nebr.
Filed Mar. 14, 1947, Serial No. 519,021. Published June 14, 1949. Class 6.

443,406. CANDY. JAMES STOREY MARSHALL, Totnes, Devonshire, England.
Filed Apr. 7, 1947, Serial No. 520,289. Published June 7, 1949. Class 46.

443,407. ATHLETIC SUPPORTERS. FRED HURTLEY LIMITED, Keighley, England.
Filed Apr. 11, 1947, Serial No. 520,508. Published June 7, 1949. Class 44.

443,408. FAUCETS AND VALVES FOR REGULATING THE FLOW OF LIQUID. TWENTIETH CENTURY VALVE CORPORATION, New York and Buffalo, N. Y.
Filed May 3, 1947, Serial No. 521,837. Published Apr. 5, 1949. Class 13.

443,409. LUBRICATING OILS AND GREASES, GASOLINE, KEROSENE. THE HANCOCK OIL COMPANY OF CALIFORNIA, Long Beach, Calif.
Filed May 16, 1947, Serial No. 522,480. Published June 21, 1949. Class 15.

443,410. STOVES, RANGES, AND BARBECUE GRILLS FOR SOLID FUELS—NAMELY, COAL, WOOD, CHARCOAL, METACETALDEHYDE, AND PEAT. OHIO STOVE COMPANY, Portsmouth, Ohio.
Filed June 6, 1947, Serial No. 523,694. Published May 31, 1949. Class 34.

443,411. COMPOSITE WALL PANEL COMPRISING GYPSUM BOARD FACINGS, ETC. THE CELOTEX CORPORATION, Chicago, Ill.
Filed June 21, 1947, Serial No. 524,592. Published May 31, 1949. Class 12.

443,412. SAND DERIVATIVES AND COMPOSITIONS COMPOSED PRINCIPALLY OF SAND DERIVATIVES, USED IN MAKING PAINTS, PIGMENTS, GLAZES, AND ENAMELS. OBSERVATION INCORPORATED, Pittsburgh, Pa.
Filed June 27, 1947, Serial No. 525,020. Published June 7, 1949. Class 16.

443,413. LEATHER AND FABRIC ARTICLES—I. E., WRIST WATCH STRAPS. HAMILTON WATCH COMPANY, Lancaster, Pa.
Filed July 2, 1947, Serial No. 525,590. Published June 14, 1949. Class 28.

ACT OF 1946, PRINCIPAL REGISTER

515,514. SILVERPLATED HOLLOW-WARE FOR TABLE USE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn., by change of name from International Silver Company.
Original filed, act of 1905, July 4, 1945; amended to application under act of 1946, Principal Register, Dec. 2, 1947, Serial No. 485,445. Published June 14, 1949. Class 28.

515,515. VALVE LUBRICATING GREASES, LUBRICATING OILS AND SOLID LUBRICATING COMPOUNDS IN STICK OR BULK FORM. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa., assignee of Nordstrom Valve Company, formerly Merco Nordstrom Valve Company.
Original filed, act of 1905, Aug. 14, 1945; amended to application under act of 1946, Principal Register, Dec. 1, 1947, Serial No. 487,139. Published June 14, 1949. Class 15.

515,516. BUCKLES OF NON-PRECIOUS METAL AND INTENDED FOR USE WITH WEARING-APPAREL-BELTS AND WRISTWATCH STRAPS, AND FOR WRISTWATCH-STRAP-AND-BUCKLE COMBINATIONS NOT MADE IN WHOLE OR IN PART OF PRECIOUS METAL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Original filed, act of 1905, Nov. 8, 1945; amended to application under act of 1946, Principal Register, Aug. 26, 1947, Serial No. 491,283. Published May 17, 1949. Class 40.

515,517. Consolidated Certificate. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis.
PORTABLE ELECTRIC HAND OPERATED GRINDERS; ELECTRIC LATHER DISPENSING MACHINES; ELECTRIC MOTORS; ELECTRIC TOASTERS; ETC. Filed Aug. 29, 1947, Serial No. 532,863. Published Jan. 18, 1949. Class 21.
HAND OPERATED HAIR CLIPPERS FOR HUMAN, ANIMAL, AND INDUSTRIAL USES, AND SEPARATE BLADES THEREFOR; PORTABLE ELECTRIC HAIR CLIPPERS, ETC. Filed Aug. 29, 1947, Serial No. 532,862. Published Jan. 11, 1949. Class 23.
ELECTRIC HAIR DRYERS, HAND OPERATED AND STAND TYPE; ELECTRIC MASSAGE MACHINES FOR HUMAN AND ANIMAL USE; AND REPAIR AND REPLACEMENT PARTS FOR THE ABOVE GOODS. Original filed, act of 1905, Dec. 15, 1945; amended to application under act of 1946, Principal Register, Aug. 7, 1947, Serial No. 493,390. Published Apr. 12, 1949. Class 44.

515,518. FASTENERS, CONNECTORS, AND ATTACHING DEVICES OF VARIOUS TYPES USED IN THE HOUSEHOLD, CONSTRUCTION AND INDUSTRIAL ARTS, ETC. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Original filed, act of 1905, Mar. 8, 1946; amended to application under act of 1946, Principal Register, Oct. 6, 1947, Serial No. 497,892. Published June 21, 1949. Class 13.

515,519. VENTILATING FANS. GEORGE C. PLUMLEY, trading and doing business as Quietaire Company, Houston, Tex.
Original filed, act of 1905, Aug. 13, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 507,338. Published June 14, 1949. Class 34.

515,520. RADIO RECEIVING AND TRANSMITTING SETS, RADIO TUBES, AND PARTS USED IN THE MAINTENANCE OF SUCH APPARATUS. REINHARD BROTHERS COMPANY, Minneapolis, Minn.
Original filed, act of 1905, Aug. 31, 1946; amended to application under act of 1946, Principal Register, Mar. 3, 1948, Serial No. 508,890. Published June 7, 1949. Class 21.

515,521. MALE SEX HORMONE FOR USE IN HORMONE THERAPY. HORTON & CONVERSE, Los Angeles, Calif.
Original filed, act of 1905, Nov. 8, 1946; amended to application under act of 1946, Principal Register, Dec. 16, 1947, Serial No. 512,259. Published Mar. 29, 1949. Class 6.

515,522. PORTFOLIOS, POCKETBOOKS, WALLETS, AND LEATHER-COVERED RECEPTACLES SUCH AS PORTFOLIOS, POCKET BOOKS, AND BRIEF CASES. BROWN & BIGELOW, St. Paul, Minn.
Original filed, act of 1905, Nov. 12, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 512,376. Published May 10, 1949. Class 3.

515,523. SANITARY NAPKINS. DIANA MANUFACTURING CO., Green Bay, Wis.
Original filed, act of 1905, Nov. 15, 1946; amended to application under act of 1946, Principal Register, June 22, 1948, Serial No. 512,651. Published June 7, 1949. Class 44.

515,524. APPLIQUE WORKS IN THE NATURE OF DECORATIVE DESIGN FORMS OF FELT OR FABRIC FOR USE ON GARMENTS. SWEENEY AND KEPHART, Billings, Mont.
Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, Nov. 14, 1947, Serial No. 513,592. Published May 24, 1949. Class 40.

515,525. RUBBERIZED FABRIC WEATHER STRIPPING. BRIDGEPORT FABRICS, INC., Bridgeport, Conn.
Original filed, act of 1905, Dec. 13, 1946; amended to application under act of 1946, Principal Register, Mar. 12, 1948, Serial No. 514,175. Published June 14, 1949. Class 12.

515,526. ELECTRICALLY DRIVEN VACUUM CLEANERS AND ACCESSORIES AND ATTACHMENTS THEREFOR, INCLUDING RUG NOZZLES, FLOOR AND WALL BRUSHES, ETC. LEWYT CORPORATION, Brooklyn, N. Y.
Original filed, act of 1905, Feb. 1, 1947; amended to application under act of 1946, Principal Register, Oct. 1, 1947, Serial No. 516,776. Published June 7, 1949. Class 21.

515,527. BASE METAL COOKING, KITCHEN, HOUSEHOLD, AND HOSPITAL WARE, ETC. THE REPUBLIC STAMPING & ENAMELING COMPANY, Canton, Ohio, assignor to G. C. Murphy Company, McKeesport, Pa., a corporation of Pennsylvania.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, Apr. 12, 1948, Serial No. 517,664. Published June 14, 1949. Class 13.

515,528. BASE METAL COOKING, KITCHEN, HOUSEHOLD, AND HOSPITAL WARE—NAMELY, WASH BASINS, ETC. THE REPUBLIC STAMPING & ENAMELING COMPANY, Canton, Ohio.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, Apr. 12, 1948, Serial No. 517,667. Published June 14, 1949. Class 13.

515,529. SILICON STEEL SHEET MATERIALS FOR MAGNETIC USES AND HAVING ELECTRICALLY INSULATIVE COATINGS. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation.
Original filed, act of 1905, Feb. 20, 1947; amended to application under act of 1946, Principal Register, July 28, 1947, Serial No. 517,811. Published June 14, 1949. Class 21.

515,530. CAP SCREWS. THE FERRY CAP & SET SCREW COMPANY, Cleveland, Ohio.
Original filed, act of 1905, Mar. 8, 1947; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 518,719. Published June 21, 1949. Class 13.

515,531. FACIAL MASKING CREAM FOR CONDITIONING THE FACIAL TISSUES. HARVEY J. FISCHER, doing business under the firm and style name of Le Maire, Oak Park, Ill.
Original filed, act of 1905, Mar. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1947, Serial No. 519,153. Published June 14, 1949. Class 6.

515,532. SHOULDER PADS. R. G. BARRY CORPORATION, Columbus, Ohio, assignee of R. G. Barry Co.
Original filed, act of 1905, Mar. 19, 1947; amended to application under act of 1946, Principal Register, Nov. 5, 1947, Serial No. 519,250. Published May 24, 1949. Class 40.

515,533. ELECTRICAL BRAZING, WELDING, AND SOLDERING EQUIPMENT, ETC. IDEAL INDUSTRIES, INC., Sycamore, Ill.
Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Dec. 30, 1947, Serial No. 519,662. Published June 21, 1949. Class 21.

515,534. BELLOWS OF METAL. COOK ELECTRIC COMPANY, Chicago, Ill.
Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Principal Register, Mar. 30, 1948, Serial No. 519,734. Published June 14, 1949. Class 13.

515,535. RESINOUS PLASTIC SOLUTION USED AS PROTECTIVE COATINGS OR LININGS FOR INTERIORS AND EXTERIORS OF TANKS, PIPES, AND MACHINERY TO RESIST CORROSIVE AND EROSIVE ACTION AND OXIDATION. STALPIC COATING CORPORATION, Chicago, Ill.
Original filed, act of 1905, Apr. 14, 1947; amended to application under act of 1946, Principal Register, Jan. 5, 1949, Serial No. 520,652. Published June 21, 1949. Class 16.

515,536. SOLE LEATHER. MIDDLEBURG TANNING CORPORATION, Philadelphia, Pa.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Nov. 8, 1948, Serial No. 521,918. Published May 24, 1949. Class 1.

515,537. SOLUTION FOR ALLEVIATING PAIN RESULTING FROM MINOR BURNS. MILLER'S PREPARATIONS CORP., Fort Worth, Tex.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Dec. 17, 1947, Serial No. 522,224. Published May 31, 1949. Class 6.

515,538. FOOD COMPOSITION IN POWDERED FORM CONTAINING SORBITAN MONOSTEARATE, DEFATTED MILK SOLIDS, DEXTROSE, AND SPRAY DRIED EGG YOLK FOR USE AS AN EMULSIFYING STABILIZER IN THE MANUFACTURE OF ICE CREAM AND RELATED FOODS. R. G. MOSNCH & Co., INC., New York, N. Y.
Original filed, act of 1905, May 27, 1947; amended to application under act of 1946, Principal Register, Dec. 13, 1947, Serial No. 523,138. Published June 7, 1949. Class 46.

515,539. SILICA GEL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, July 8, 1947, Serial No. 523,402. Published June 14, 1949. Class 6.

515,540. MEN'S AND LADIES' WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, June 8, 1948, Serial No. 523,759. Published June 14, 1949. Class 27.

515,541. MEN'S AND LADIES' WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, June 8, 1948, Serial No. 523,763. Published June 14, 1949. Class 27.

515,542. WATCHES AND PARTS THEREOF. MONTRES NOVA, BIEDERMANN FRERES S. A., Neuveville, Switzerland.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Jan. 24, 1948, Serial No. 523,789. Published June 14, 1949. Class 27.

515,543. ELECTRICAL INSULATORS OF GLASS. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948, Serial No. 524,932. Published June 14, 1949. Class 21.

515,544. PREPARATIONS FOR ANAEMIA, ASTHENIA AND TONICS, PREPARATIONS FOR ARTHRITIS AND URIC ACIDS, ETC. CARLO ERBA SOCIETÀ ANONIMA, Milan, Italy.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Jan. 30, 1948, Serial No. 526,208. Published June 14, 1949. Class 6.

515,545. Consolidated Certificate. WALTER KIDDE & COMPANY, INC., Belleville, N. J.
CYLINDERS MADE OF METAL AND EMPLOYED AS CONTAINERS FOR COMPRESSED OR LIQUEFIED GAS FOR USE WITH BREATHING DEVICES, INFLATABLE RAFTS, LIFE BELTS, FIRE EXTINGUISHING DEVICES, AND EMERGENCY PRESSURE OPERATED DEVICES FOR OPENING DOORS AND FOR LOWERING AND RAISING LANDING GEAR OF AIRPLANES. Filed July 5, 1947, Serial No. 526,652. Published Mar. 8, 1949. Class 2.
CARBON DIOXIDE, OXYGEN, AND CHEMICAL PREPARATIONS USED IN THE TREATMENT OF FIBROUS MATERIALS. Filed July 5, 1947, Serial No. 526,658. Published Feb. 1, 1949. Class 6.
FLAME ACTUATED ELECTRIC APPARATUS FOR CLOSING OF FIRE ALARM CIRCUITS, FIRE DETECTING APPARATUS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM, ELECTRICALLY OPERATED FIRE ALARM APPARATUS, AND IMPACT SWITCHES FOR ELECTRIC CIRCUITS. Filed July 5, 1947, Serial No. 526,693. Published Mar. 15, 1949. Class 21.
PORTABLE HAND FIRE EXTINGUISHERS, WHEELED PORTABLE HAND OPERATED FIRE EXTINGUISHING UNITS; FIRE EXTINGUISHING APPARATUS—NAMELY, INSTALLATIONS OF ONE OR MORE CONTAINERS FOR FIRE EXTINGUISHING MEDIUM, ONE OR MORE CONDUITS FOR CONVEYING THE MEDIUM FROM THE CONTAINER OR CONTAINERS TO THE PLACE OR PLACES TO BE PROTECTED, THE TERMINAL OF THE CONDUIT IN EACH OF SAID PLACES HAVING A DISCHARGE OUTLET FOR THE DISCHARGE OF THE MEDIUM INTO THE PROTECTED PLACE UPON OPENING OF A VALVE OR VALVES ASSOCIATED WITH THE CONTAINER OR CONTAINERS; PUMPS FOR RECHARGING CONTAINERS WITH FIRE EXTINGUISHING MEDIUM SUCH AS CARBON DIOXIDE; FIXED FIRE DETECTING AND EXTINGUISHING APPARATUS COMPRISING A SET OF CONDUITS LEADING FROM PROTECTED COMPARTMENTS OR SPACES TO A CENTRALLY LOCATED TERMINAL CABINET, A FAN FOR DRAWING SMOKE FROM FIRE IN ANY OF THE COMPARTMENTS OR SPACES, AN ELECTRIC EYE FOR DETECTING SMOKE IN THE CABINET AND FOR GIVING AN ALARM, ETC. Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1947, Serial No. 523,814. Published June 28, 1949. Class 23.
SUBMERSION ACTUATORS FOR ACTUATING VALVES FOR THE RELEASE OF GAS UNDER PRESSURE FROM CONTAINERS TO INFLATE BAGS WHICH FORM BUOYANT FLOATS FOR SUPPORTING DISABLED AIRCRAFT, SUCH DEVICES INCLUDING A CASING HAVING AN EXPANSIBLE MEDIUM WHICH IS EXPANDED WHEN THE CASING IS BROUGHT INTO CONTACT WITH A LIQUID, WHEREBY TO GENERATE PRESSURE TO ACTUATE THE RELEASE VALVES; ALSO ACTUATORS COMPRISING A PERFORATED CASING ENCLOSING ELECTRODES WHICH UPON CONTACT WITH WATER COMPLETE AN ELECTRIC ACTUATING CIRCUIT TO OPERATE ELECTRICALLY RELEASABLE VALVES; HEAT RESPONSIVE APPARATUS—NAMELY, FIXED TEMPERATURE THERMOSTATS, FUSIBLE LINK DETECTORS, AND RATE-OF-TEMPERATURE-RISE DETECTORS COMPRISING A SMALL METAL AIR CHAMBER, ETC. Filed July 5, 1947, Serial No. 526,692. Published June 7, 1949. Class 26.

515,546. Consolidated Certificate. WALTER KIDDE & COMPANY, INC., Belleville, N. J.
CYLINDERS MADE OF METAL AND EMPLOYED AS CONTAINERS FOR COMPRESSED OR LIQUEFIED GAS FOR USE WITH BREATHING DEVICES, INFLATABLE RAFTS, LIFE BELTS, FIRE EXTINGUISHING DEVICES, AND EMERGENCY PRESSURE OPERATED DEVICES FOR OPENING DOORS AND FOR LOWERING AND RAISING LANDING GEAR OF AIRPLANES. Filed July 5, 1947, Serial No. 526,657. Published Mar. 8, 1949. Class 2.
CARBON DIOXIDE, OXYGEN, AND CHEMICAL PREPARATIONS USED IN THE TREATMENT OF FIBRES OF YARN OR CORD TO BOND THE FIBRES AND INCREASE THEIR SLIP RESISTANCE, THEREBY INCREASING THE EFFECTIVE STRENGTH OF THE YARN OR CORD. Filed July 5, 1947, Serial No. 526,650. Published May 3, 1949. Class 6.
FLAME ACTUATED ELECTRIC APPARATUS FOR CLOSING OF FIRE ALARM CIRCUITS; FIRE DETECTING APPARATUS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM; ELECTRICALLY OPERATD FIRE ALARM APPARATUS; AND IMPACT SWITCHES FOR ELECTRIC CIRCUITS. Filed July 5, 1947, Serial No. 526,695. Published May 3, 1949. Class 21.
PORTABLE HAND FIRE EXTINGUISHERS, WHEELED PORTABLE HAND OPERATED FIRE EXTINGUISHING UNITS; FIRE EXTINGUISHING APPARATUS; ETC. Original application filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1947, Serial No. 523,815. Published Apr. 12, 1949. Class 23.
SUBMERSION ACTUATORS FOR ACTUATING VALVES FOR THE RELEASE OF GAS UNDER PRESSURE FROM CONTAINERS TO INFLATE BAGS WHICH FORM BUOYANT FLOATS FOR SUPPORTING DISABLED AIRCRAFT, SUCH DEVICES INCLUDING A CASING HAVING AN EXPANSIBLE MEDIUM WHICH IS EXPANDED WHEN THE CASING IS BROUGHT INTO CONTACT WITH A LIQUID, WHEREBY TO GENERATE PRESSURE TO ACTUATE THE RELEASE VALVES, ETC. Filed July 5, 1947, Serial No. 526,694. Published June 7, 1949. Class 26.

515,547. MINERAL LUBRICATING OILS FOR LUBRICATING TURBINES. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,831. Published June 21, 1949. Class 15.

515,548. HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, ANAESTHESIA INSTRUMENTS, AND ADAPTERS FOR SYRINGES. ARTHUR E. SMITH, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,217. Published June 7, 1949. Class 44.

515,549. HYDROCARBON BURNING OILS, ILLUMINATING OILS, AND KEROSENE. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,287. Published June 21, 1949. Class 15.

515,550. LUBRICATING OIL AND GREASE, FUEL OIL, BURNING OIL, AND NAPHTHA. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,855. Published June 21, 1949. Class 15.

515,551. PORTABLE ELECTRIC ENGRAVING AND CUTTING IMPLEMENTS. BURGESS BATTERY COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,974. Published June 14, 1949. Class 21.

515,552. FIXTURE STUDS FOR SECURING ELECTROLIERS AND THE LIKE TO ELECTRICAL OUTLET BOXES. KWIKON COMPANY, Chicago, Ill.
Filed July 19, 1947, Serial No. 528,934. Published June 7, 1949. Class 21.

515,553. BAKING AND PAINT ENAMELS, PASTE AND LIQUID PAINTS, VARNISHES, AND PAINT THINNERS. GILMORE & NOLAN, INC., Los Angeles, Calif.
Filed Aug. 1, 1947, Serial No. 530,188. Published June 7, 1949. Class 16.

515,554. CEILING OUTLETS FOR AIR DISTRIBUTION DUCTS OR CHAMBERS. BARBER-COLMAN COMPANY, Rockford, Ill.
Filed Aug. 9, 1947, Serial No. 530,912. Published May 31, 1949. Class 34.

515,555. FURNACES, BOILERS, WATER HEATERS, AND BURNERS AND COMPONENT PARTS THEREOF, AND AIR CONDITIONING APPARATUS, ETC. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich.
Filed Aug. 15, 1947, Serial No. 531,547. Published May 31, 1949. Class 34.

515,556. ELECTRIC STORAGE BATTERIES. AMERICAN BATTERY MFG. COMPANY, Kansas City, Mo.
Filed Aug. 22, 1947, Serial No. 532,088. Published June 7, 1949. Class 21.

515,557. RED-COATED TABLET FOR HYPERTENSION. BRUNSWICK LABORATORIES, INC., Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,681. Published May 31, 1949. Class 6.

515,558. ELECTRICAL APPARATUS—NAMELY, CRANKING MOTORS; GENERATORS; ARMATURES; COMMUTATORS; FIELD COILS; FIELD RINGS; ETC. THE LEECE-NEVILLE COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 532,834. Published June 7, 1949. Class 21.

515,559. POCKETBOOKS AND BILLFOLDS. E. J. WILKINS COMPANY, Gloversville, N. Y.
Filed Sept. 2, 1947, Serial No. 533,092. Published May 17, 1949. Class 3.

515,560. BILLFOLDS. E. J. WILKINS COMPANY, Gloversville, N. Y.
Filed Sept. 2, 1947, Serial No. 533,093. Published May 17, 1949. Class 3.

515,561. ALKALINE COMPOUND USED AS THE ELECTROLYTE IN THE ELECTROLYTIC, REVERSE CURRENT-CLEANING OF FERROUS METALS. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Sept. 2, 1947, Serial No. 533,104. Published May 31, 1949. Class 6.

515,562. SILK SCREEN OUTFIT CONTAINING VARIOUS PAINTS, SILK SCREEN, PRINTING FRAME, PRINTING BASE, ETC. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 533,316. Published May 24, 1949. Class 50.

515,563. INTERIOR FLAT WALL PAINT. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo.
Filed Sept. 4, 1947, Serial No. 533,357. Published May 31, 1949. Class 16.

515,564. BOLT ANCHORS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,629. Published June 21, 1949. Class 13.

515,565. EXPANSION SHIELDS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,630. Published June 21, 1949. Class 13.

515,566. EXPANSION SHIELDS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,631. Published June 21, 1949. Class 13.

515,567. EXPANSION SHIELDS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,632. Published June 21, 1949. Class 13.

515,568. TOGGLE BOLTS AND PARTS THEREOF. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,633. Published June 21, 1949. Class 13.

515,569. TOGGLE BOLTS. STAR EXPANSION BOLT COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,634. Published June 21, 1949. Class 13.

515,570. WATCHES, WATCH CASES, WATCH MOVEMENTS, AND PARTS THEREOF. L. ADELS COMPANY, New York, N. Y., assignor to Winton Watch Company, Inc., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,076. Published June 14, 1949. Class 27.

515,571. WATCHES, WATCH CASES, WATCH MOVEMENTS, AND PARTS THEREOF. L. ADELS COMPANY, New York, N. Y., assignor to Winton Watch Company, Inc., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,077. Published June 14, 1949. Class 27.

515,572. POTATOES. AROOSTOOK VALLEY POTATO CO., INC., Medford, Mass.
Filed Sept. 17, 1947, Serial No. 534,731. Published May 31, 1949. Class 46.

515,573. BUCKLES NOT OF PRECIOUS METAL FOR PERSONAL WEAR. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Sept. 17, 1947, Serial No. 534,779. Published May 10, 1949. Class 40.

515,574. OIL, GAS, AND COAL FIRED AIR CONDITIONING UNITS. THATCHER FURNACE COMPANY, Garwood, N. J.
Filed Sept. 19, 1947, Serial No. 535,099. Published June 14, 1949. Class 34.

515,575. COMPLETE WINDOW SCREENS. THE ROLL-O-MATIC SCREEN COMPANY, Cleveland, Ohio.
Filed Sept. 22, 1947, Serial No. 535,262. Published June 7, 1949. Class 12.

515,576. ELECTRICAL SYNCHRONOUS TIMING MOTOR AND COMPONENT PARTS THEREOF. THE BRISTOL MOTOR COMPANY, Bristol, Conn.
Filed Sept. 23, 1947, Serial No. 535,380. Published June 7, 1949. Class 21.

515,577. ELECTRICAL CONNECTORS AND CONNECTOR FORMING BLANKS SOLD AS SUCH AND WHICH ARE APPLIED TO CONDUCTORS, TERMINALS, AND THE LIKE TO PRODUCE A SOLDERLESS ELECTRICAL CONNECTION. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa.
Filed Sept. 30, 1947, Serial No. 536,211. Published June 21, 1949. Class 21.

515,578. WINDOW GLASS SUBSTITUTE IN THE FORM OF A PIECE OF OPEN MESH FABRIC WITH SHEETS OF TRANSPARENT "PLASTIC" VARIETY MATERIAL ON OPPOSITE SIDES OF THE FABRIC PIECE. JACK STOLTEBEN, doing business as Package Products Company, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,846. Published Apr. 26, 1949. Class 50.

515,579. FLOOR WAX. GERTS & COOK, INC., Los Angeles, Calif.
Filed Oct. 10, 1947, Serial No. 537,448. Published June 21, 1949. Class 16.

515,580. Consolidated Certificate. ERNST SEIDELMANN CORPORATION, New York, N. Y.
WOMEN'S COATS, MEN'S AND WOMEN'S HOSIERY, SUITS, SHOES, AND HATS, AND MEN'S, WOMEN'S, BOYS', AND GIRLS' UNDERWEAR. Filed Oct. 15, 1947, Serial No. 537,945. Published Mar. 29, 1949. Class 39.
DRESS GOODS COMPOSED OF RAYON, NYLON, COTTON, WOOL, AND SILK. Filed Oct. 15, 1947, Serial No. 537,944. Published Oct. 19, 1948. Class 42.

515,581. LIPSTICK AND NAIL LACQUER. ASSOCIATED PRODUCTS, INC., Chicago, Ill., assignor to Chen Yu, Inc., New York, N. Y., a corporation of New York.
Filed Oct. 16, 1947, Serial No. 537,961. Published June 14, 1949. Class 6.

515,582. FOOD PRODUCTS SOLD IN CANS, JARS, AND BOTTLES—NAMELY, APPLE SAUCE, APRICOTS, ASPARAGUS, ETC. GENERAL GROCER COMPANY, St. Louis, Mo.
Filed Oct. 18, 1947, Serial No. 538,274. Published June 7, 1949. Class 46.

515,583. GAS MANUFACTURING EQUIPMENT—NAMELY, COKE OVEN GAUGE PANELS AND COKE OVEN DOORS. WILPUTTE COKE OVEN CORPORATION, New York, N. Y., now by merger Allied Chemical & Dye Corporation, a corporation of New York.
Filed Oct. 20, 1947, Serial No. 538,480. Published May 31, 1949. Class 34.

515,584. WARDROBE TRUNKS, WARDROBE CASES, SUITCASES, GLADSTONE CASES, HAT AND SHOE CASES, LEATHER VANITY AND MAKE-UP CASES SOLD AS SUCH WITHOUT CONTENTS, OVERNIGHT BAGS, DUFFLE BAGS, HANDBAGS, AND BRIEF CASES. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed Oct. 23, 1947, Serial No. 538,758. Published May 17, 1949. Class 3.

515,585. PAINTS (READY-MIXED, PASTE, OR DRY FORM); ETC. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,787. Published June 7, 1949. Class 16.

515,586. BATH UNIT CONTAINING TUB WITH SHOWER, COMMODE, LAVATORY, AND OTHER FIXTURES WHICH NORMALLY COMPRISE A COMPLETE BATHROOM, SAID UNIT BEING ASSEMBLED BEFOREHAND AND MOVED TO A PARTICULAR SITE. OSCAR GEORGE MATTHEUS, doing business as O. G. Mattheus Co., Pensacola, Fla.
Filed Oct. 27, 1947, Serial No. 539,191. Published June 14, 1949. Class 12.

515,587. TOILET ARTICLE KITS OF METAL, PLASTIC OR OTHER SUITABLE MATERIALS THESE BEING CAN SHAPED KITS INTENDED TO HOLD A VARIETY OF ARTICLES SUCH AS CHANGE, KEYS, ETC. BUCHNER IMPORT CO., INC., New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,268. Published June 7, 1949. Class 3.

515,588. RADIATOR SHIELDS, FOR HOT AIR, STEAM, AND HOT WATER RADIATORS. KARL DRLICA, doing business as Kleen-Wall Products Company, Portland, Oreg.
Filed Oct. 28, 1947, Serial No. 539,292. Published June 7, 1949. Class 34.

515,589. ADHESIVES FOR ADHERING SUBSTANCES TO CAPS AND NECKS OF LIQUOR BOTTLES AND THE LIKE. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,340. Published June 21, 1949. Class 5.

515,590. HOT WATER HEATERS. HOLYOKE HEATER CORPORATION, Springfield, Mass.
Filed Oct. 31, 1947, Serial No. 539,700. Published May 10, 1949. Class 34.

515,591. STRIP MATERIAL OF NATURAL AND SYNTHETIC RUBBER AND COMPOSITIONS THEREOF, ADAPTED FOR USE BY SHOE REPAIRMEN IN THE MAKING OF RUBBER HEELS AND THE LIKE. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md.
Filed Nov. 3, 1947, Serial No. 539,936. Published May 3, 1949. Class 50.

515,592. MOTOR LUBRICATING OIL. CORN BELT OIL COMPANY, Peoria, Ill.
Filed Nov. 5, 1947, Serial No. 540,177. Published June 21, 1949. Class 15.

515,593. HAND CREAM. J. STRICKLAND AND CO., Memphis, Tenn.
Filed Nov. 5, 1947, Serial No. 540,217. Published June 7, 1949. Class 6.

515,594. CLEANING AND CONDITIONING APPARATUS FOR THE REMOVAL BY ELECTROSTATIC PRECIPITATION, ETC. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed Nov. 5, 1947, Serial No. 540,222. Published June 7, 1949. Class 21.

515,595. PAINT IN PASTE OR SEMI-PASTE FORM, VARNISH, AND LACQUER. SEIDLITZ PAINT & VARNISH COMPANY, Kansas City, Mo.
Filed Nov. 6, 1947, Serial No. 540,323. Published June 21, 1949. Class 16.

515,596. HEARING AID ACCESSORY IN THE FORM OF A LADIES' COMB HAVING SOUND CONDUCTING TUBES ASSOCIATED THEREWITH. TELEX, INC., Minneapolis, Minn.
Filed Nov. 6, 1947, Serial No. 540,340. Published June 7, 1949. Class 44.

515,597. INTERIOR PAINTS IN PASTE AND LIQUID FORM AND WALL SURFACE SEALERS. BLUE RIBBON PAINT COMPANY, Wheeling, W. Va.
Filed Nov. 7, 1947, Serial No. 540,872. Published May 3, 1949. Class 16.

515,598. RUBBER AND COMPOSITION MATERIAL IN SHEET FORM FROM WHICH TOP LIFTS ARE CUT FOR SHOE HEELS. ESSEX RUBBER COMPANY, Trenton, N. J.
Filed Nov. 7, 1947, Serial No. 540,397. Published May 24, 1949. Class 50.

515,599. RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS. THE MAGNAVOX COMPANY, Fort Wayne, Ind.
Filed Nov. 8, 1947, Serial No. 540,545. Published June 14, 1949. Class 21.

515,600. PLASTIC WALL FINISH IN THE NATURE OF A PAINT. MORRIS PAINT & VARNISH CO., St. Louis, Mo.
Filed Nov. 10, 1947, Serial No. 540,695. Published June 21, 1949. Class 16.

515,601. PAINT AND VARNISH REMOVER SOLD IN PASTE FORM. REPUBLIC PAINT & VARNISH CO., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,877. Published June 7, 1949. Class 16.

515,602. OXY-ACETYLENE WELDING TORCHES, CUTTING TORCHES, LEAD BURNING TORCHES, OXYGEN AND ACETYLENE REGULATORS, AND ACETYLENE GENERATORS. THE SMITHWELD COMPANY, Houston, Tex.
Filed Nov. 14, 1947, Serial No. 541,210. Published May 31, 1949. Class 34.

515,603. FIG BARS. BAKERY PRODUCTS, INC., Chicago, Ill.
Filed Nov. 15, 1947, Serial No. 541,253. Published June 7, 1949. Class 46.

515,604. REVOLVING VENTILATORS AND PARTS THEREOF, VENTILATING HOODS AND PARTS THEREOF, AND CHIMNEY HOODS AND PARTS THEREOF. R. S. BROWN MANUFACTURING COMPANY, INC., Philadelphia, Pa.
Filed Nov. 18, 1947, Serial No. 541,508. Published May 31, 1949. Class 34.

515,605. COLORING MATERIALS FOR ARTISTS, SUCH AS PREPARED WITH OIL OR WATER, GOUACHES, WATER-COLORS, PASTELS, VARNISHES, PAINT DRYING AGENTS FOR ART WORK AND ALL PAINT USES. PRODUITS CHIMIQUES DE LIEGE, Boise-de-Breux, near Liege, Belgium.
Filed Nov. 19, 1947, Serial No. 541,701. Published June 7, 1949. Class 16.

515,606. WOMEN'S HANDBAGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Nov. 20, 1947, Serial No. 541,823. Published May 24, 1949. Class 3.

515,607. FIRE BRICK MORTAR. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 21, 1947, Serial No. 541,948. Published June 14, 1949. Class 12.

515,608. MOPS AND DUSTERS. O-CEDAR CORP'N, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 542,231. Published June 14, 1949. Class 29.

515,609. COAL. RAVEN COALS, INC., Beckley, W. Va.
Filed Nov. 25, 1947, Serial No. 542,352. Published May 24, 1949. Class 1.

515,610. INFANT INCUBATORS. AIR-SHIELDS, INC., Hatboro, Pa.
Filed Nov. 28, 1947, Serial No. 542,499. Published June 7, 1949. Class 44.

515,611. ALL-PURPOSE ADHESIVE CEMENT. CRAG PRODUCTS, INC., Newark, N. J.
Filed Nov. 28, 1947, Serial No. 542,539. Published June 21, 1949. Class 5.

515,612. TELEVISION RECEIVERS. UNITED STATES TELEVISION MANUFACTURING CORPORATION, New York, N. Y.
Filed Nov. 28, 1947, Serial No. 542,702. Published June 7, 1949. Class 21.

515,613. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,930. Published June 14, 1949. Class 28.

515,614. SOAP DISPENSERS; VALVES AND TANKS FOR DISPENSING SOAP. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed Dec. 2, 1947, Serial No. 542,979. Published June 21, 1949. Class 13.

515,615. LAWN SPRINKLERS. MICHAEL J. MORAN, doing business as Moran Standard Parts Company, Detroit, Mich.
Filed Dec. 5, 1947, Serial No. 543,510. Published June 7, 1949. Class 13.

515,616. ALUMINUM AND METAL CORRUGATED ROOFING USED IN THE BUILDING AND CONSTRUCTION INDUSTRIES. CHENEY INDUSTRIES, Trenton, N. J.
Filed Dec. 9, 1947, Serial No. 543,783. Published June 14, 1949. Class 12.

515,617. PHTHALYLSULFACETIMIDE. SCHERING CORPORATION, Bloomfield, N. J.
Filed Dec. 9, 1947, Serial No. 543,839. Published Sept. 28, 1948. Class 6.

515,618. JAMS, FRUIT JELLIES, MARMALADES, AND CRANBERRY SAUCE. MAYFLOWER PRODUCTS INC., South Boston, Mass.
Filed Dec. 11, 1947, Serial No. 544,096. Published June 14, 1949. Class 46.

515,619. NAIL ENAMEL, LIPSTICK, FACE POWDER, CHEEK STICK, AND CAKE ROUGE. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,197. Published June 14, 1949. Class 6.

515,620. MAGNETIC SOUND RECORDS OF THE DISC, TAPE, WIRE, AND FILM TYPE, AND ELECTRIC SOUND RECORDING APPARATUS. DAMON RECORDING STUDIOS, INC., Kansas City, Mo.
Filed Dec. 15, 1947, Serial No. 544,333. Published June 14, 1949. Class 21.

515,621. STEEL INDUSTRIAL BUILDINGS. PACIFIC IRON & STEEL CO., Los Angeles, Calif.
Filed Dec. 15, 1947, Serial No. 544,376. Published June 14, 1949. Class 12.

515,622. LECITHIN AND LECITHIN CONTAINING COMPOUNDS. ENCO CHEMICAL CORPORATION, New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,437. Published June 21, 1949. Class 6.

515,623. ARCHITECTURAL WALL PANELS. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Dec. 18, 1947, Serial No. 544,690. Published May 31, 1949. Class 12.

515,624. FENCING—VIZ., FARM AND POULTRY FENCE, ETC. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,086. Published May 31, 1949. Class 13.

515,625. BARBED WIRE. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,087. Published May 31, 1949. Class 13.

515,626. FENCING—VIZ., FARM AND POULTRY FENCE, ETC. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,088. Published June 7, 1949. Class 13.

515,627. NAILS. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,094. Published May 31, 1949. Class 18.

515,628. BARBED WIRE AND WIRE FENCE. CONTINENTAL STEEL CORPORATION, Kokomo, Ind.
Filed Dec. 22, 1947, Serial No. 545,097. Published May 31, 1949. Class 13.

515,629. RUBBER SUNDRIES—NAMELY, WATER BOTTLES, FOUNTAIN SYRINGES, ETC. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,247. Published June 7, 1949. Class 44.

515,630. PIGMENTED COMPOSITION TILES FOR INTERIOR FLOOR COVERINGS. CONGOLEUM-NAIRN, INC., Kearny, N. J.
Filed Dec. 24, 1947, Serial No. 545,342. Published June 14, 1949. Class 12.

515,631. DRY, PARTIALLY IMPREGNATED, AND FULLY IMPREGNATED WITH ASPHALT, NATURAL OR ARTIFICIAL, FELT FOR USE IN CONNECTION WITH LINOLEUM AND OTHER COMPOSITION COVERINGS. CONGOLEUM-NAIRN, INC., Kearny, N. J.
Filed Dec. 24, 1947, Serial No. 545,344. Published May 10, 1949. Class 50.

515,632. METAL CLIPS AND METAL FASTENERS USED AS HINGES. TINNERMAN PRODUCTS, INC., Cleveland, Ohio.
Filed Dec. 29, 1947, Serial No. 545,660. Published June 7, 1949. Class 13.

515,633. JEWELRY, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS. BARDACH BROS. INC., Indianapolis, Ind.
Filed Dec. 30, 1947, Serial No. 545,686. Published June 14, 1949. Class 28.

515,634. BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS. OX FIBRE BRUSH COMPANY, INC., Frederick, Md.
Filed Dec. 30, 1947, Serial No. 545,763. Published June 7, 1949. Class 29.

515,635. CEMETERY FLOWER VASES CONSTRUCTED OF BRONZE. MEIERJOHAN-WENGLER CO., Cincinnati, Ohio.
Filed Dec. 31, 1947, Serial No. 545,869. Published June 21, 1949. Class 13.

515,636. RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF AND THEREFOR. SENTINEL RADIO CORPORATION, Evanston, Ill.
Filed Jan. 2, 1948, Serial No. 546,062. Published June 14, 1949. Class 21.

515,637. PIPING FOR SHOES. UNITED STAY COMPANY, INC., Cambridge, Mass.
Filed Jan. 6, 1948, Serial No. 546,333. Published June 14, 1949. Class 40.

515,638. LEATHERBOARD FOR USE IN MAKING BUILT-UP HEELS AND MIDSOLES FOR SHOES AND FIBREBOARD IN SHEET FORM WHICH IS A LEATHER SUBSTITUTE FOR USE IN MAKING HEEL BASES AND BUILT-UP HEELS FOR SHOES. GEORGE O. JENKINS COMPANY, Bridgewater, Mass.
Filed Jan. 7, 1948, Serial No. 546,396. Published May 17, 1949. Class 50.

515,639. INSULATED SADDLE STAPLES. THE SUPERIOR MANUFACTURING COMPANY, Fitchburg, Mass.
Filed Jan. 9, 1948, Serial No. 546,625. Published June 14, 1949. Class 21.

515,640. MATRIX, DRY MAT, OR BOARD USED IN STEREOTYPING OR ELECTROTYPING. CERTIFIED DRY MAT CORPORATION, New York, N. Y.
Filed Jan. 14, 1948, Serial No. 546,955. Published May 24, 1949. Class 50.

515,641. ESTHETIC FIBROUS ADDITIVE USED FOR DENTURE BASE MATERIALS TO IMPART A MORE VITAL APPEARANCE TO FINISHED DENTURES. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed Jan. 14, 1948, Serial No. 546,957. Published June 7, 1949. Class 44.

515,642. CHEMICAL SUBSTANCES PREPARED FOR USE IN MEDICINE AND PHARMACY—NAMELY, MEDICATED DRESSINGS FOR BURNS, CUTS, AND WOUNDS; SKIN LOTIONS, TOILET CREAM, TOILET POWDER, SALVE BASE, DEODORIZERS, ETHEREAL OILS, AND PERFUMES. FISSAN LIMITED, Loughborough, England.
Filed Jan. 14, 1948, Serial No. 546,990. Published June 21, 1949. Class 6.

515,643. TELEVISION RECEIVERS. INDUSTRIAL TELEVISION, INC., Clifton, N. J.
Filed Jan. 15, 1948, Serial No. 547,125. Published June 21, 1949. Class 21.

515,644. MEDICINAL PREPARATION CONSISTING OF AMMONIA, SOAP LINIMENT, WITCH HAZEL, AND ALCOHOL. DR. I. E. SCRIPTURE COMPANY, Frankfort, Ind.
Filed Jan. 16, 1948, Serial No. 547,285. Published June 21, 1949. Class 6.

515,645. ALUMINUM PHOTOLITHOGRAPHIC PRINTING PLATES. JOHN E. MORSE, doing business as ChemGrain Plate Preparation Co., Brooklyn, N. Y.
Filed Jan. 20, 1948, Serial No. 547,567. Published May 31, 1949. Class 50.

515,646. PIPE SADDLES. STEEL FORGINGS, INC., Shreveport, La.
Filed Jan. 21, 1948, Serial No. 547,676. Published June 21, 1949. Class 13.

515,647. PURSES, WALLETS, COMBINATION PURSES AND WALLETS, AND BEACH BAGS. M. SLIFKA & SONS, INC., New York, N. Y.
Filed Jan. 22, 1948, Serial No. 547,781. Published May 10, 1949. Class 3.

515,648. BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed Jan. 24, 1948, Serial No. 547,896. Published June 7, 1949. Class 46.

515,649. CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), SUCCOTASH (PACKED WITH SHELLED BEANS), SHELLED BEANS, STRING BEANS, AND PEAS. PORTLAND PACKING CO., Portland, Maine.
Filed Jan. 28, 1948, Serial No. 548,177. Published May 31, 1949. Class 46.

515,650. CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), ETC. PORTLAND PACKING CO., Portland, Maine.
Filed Jan. 28, 1948, Serial No. 548,178. Published May 31, 1949. Class 46.

515,651. CANNED GOLDEN CORN. PORTLAND PACKING CO., Portland, Maine.
Filed Jan. 28, 1948, Serial No. 548,180. Published May 31, 1949. Class 46.

515,652. HOT WATER COILS FOR BOILERS. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,355. Published June 7, 1949. Class 34.

515,653. FRESH CITRUS FRUITS. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif.
Filed Jan. 31, 1948, Serial No. 548,506. Published May 31, 1949. Class 46.

515,654. SUITCASES. ABEL & BACH, INC., Milwaukee, Wis.
Filed Feb. 4, 1948, Serial No. 548,703. Published June 14, 1949. Class 3.

515,655. GAS, OIL, COAL, OR COKE BURNING FURNACES. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,811. Published June 7, 1949. Class 34.

515,656. CANNED SALMON. OCEANIC SALES CO., Seattle, Wash.
Filed Feb. 5, 1948, Serial No. 548,830. Published May 31, 1949. Class 46.

515,657. CANNED SALMON. OCEANIC SALES CO., Seattle, Wash.
Filed Feb. 5, 1948, Serial No. 548,832. Published May 31, 1949. Class 46.

515,658. AIR DISTRIBUTING APPARATUS USED IN DRAFTLESS VENTILATING SYSTEMS, ETC. THE PYLE-NATIONAL COMPANY, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,840. Published May 31, 1949. Class 34.

515,659. ANCHOR PLATES, WALL CLEATS, STAYS AND STAPLES FOR PACKAGE, ETC. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,866. Published June 21, 1949. Class 13.

515,660. PACKAGE, BUNDLE, AND LOAD BINDING STRAPPING, ETC. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,869. Published June 21, 1949. Class 13.

515,661. KIT FOR USE IN HOME PERMANENT WAVE CONTAINING PERMANENT WAVE LOTION, NEUTRALIZER, CURLERS, INSTRUCTION SHEETS, AND OTHER ARTICLES FOR USE IN GIVING THE WAVE. STANDARD LABORATORIES, INC., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine.
Filed Feb. 5, 1948, Serial No. 548,876. Published May 31, 1949. Class 44.

515,662. VARNISH EXTENDER. EDWARD SMITH & CO., INC., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 549,023. Published June 7, 1949. Class 16.

515,663. FRESH CITRUS FRUITS. EXETER ORANGE GROWERS ASSOCIATION, Exeter, Calif.
Filed Feb. 7, 1948, Serial No. 549,065. Published May 31, 1949. Class 46.

515,664. HEAT-REACTIVE ADHESIVE SHEETS, TAPES, AND APPLIQUES. INDUSTRIAL TAPE CORPORATION, New Brunswick and North Brunswick Township, N. J.
Filed Feb. 9, 1948, Serial No. 549,149. Published June 14, 1949. Class 5.

515,665. BISCUIT AND PATTY SHELLS FORMED OF WHOLE WHEAT. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed Feb. 9, 1948, Serial No. 549,170. Published May 31, 1949. Class 46.

515,666. CEREAL BREAKFAST FOODS MADE OF RICE AND WHEAT. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed Feb. 9, 1948, Serial No. 549,171. Published June 7, 1949. Class 46.

515,667. LIQUID STRAINERS, ENCLOSED TYPE WITH INLET AND OUTLET OPENINGS FOR USE ON LIQUID TRANSMISSION LINES. BUFFALO METER COMPANY, Buffalo, N. Y.
Filed Nov. 17, 1947, Serial No. 549,360. Published June 21, 1949. Class 13.

515,668. AIR-RELEASE VALVES FOR INSTALLATION ON LIQUID-TRANSMISSION LINES. BUFFALO METER COMPANY, Buffalo, N. Y.
Filed Nov. 17, 1947, Serial No. 549,361. Published June 21, 1949. Class 13.

515,669. SASHES, DOORS, BLINDS, STAIRWAYS, WOODEN MOLDINGS, WOODEN FRAMES FOR DOORS AND WINDOWS, ETC. CURTIS COMPANIES INCORPORATED, Clinton, Iowa.
Filed Nov. 17, 1947, Serial No. 549,362. Published June 7, 1949. Class 12.

515,670. WINDOW FRAMES, WINDOWS, AND PARTS THEREOF. CURTIS COMPANIES INCORPORATED, Clinton, Iowa.
Filed Nov. 17, 1947, Serial No. 549,366. Published May 31, 1949. Class 12.

515,671. GAS WATER HEATERS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill.
Filed Nov. 29, 1947, Serial No. 549,403. Published June 7, 1949. Class 34.

515,672. BUTTER, POWDERED MILK, AND SWEETENED CONDENSED MILK. RED 73 CREAMERY, INC., Union City, Ohio.
Filed Feb. 11, 1948, Serial No. 549,465. Published May 31, 1949. Class 46.

515,673. BUTTER. H. C. CHRISTIANS CO., Johnson Creek, Wis., and Chicago, Ill.
Filed Feb. 12, 1948, Serial No. 549,511. Published May 31, 1949. Class 46.

515,674. ELECTRIC SWITCH SOCKETS, ELECTRIC SWITCH PORCELAIN BRACKETS, AND OTHER ELECTRIC SWITCH MECHANISMS FOR DOMESTIC AND COMMERCIAL USE, ETC. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind.
Filed Feb. 12, 1948, Serial No. 549,560. Published June 14, 1949. Class 21.

515,675. COFFEE. H P COFFEE COMPANY, St. Louis, Mo.
Filed Feb. 13, 1948, Serial No. 549,634. Published May 31, 1949. Class 46.

515,676. TOASTED CORN KERNELS. ALBERT F. HOLLOWAY, doing business as Olin Manufacturing Company, Oakland, Calif.
Filed Feb. 13, 1948, Serial No. 549,637. Published June 7, 1949. Class 46.

515,677. FOOD FLAVORING OR SEASONING COMPOSITION CONTAINING YEAST-VEGETABLE EXTRACT, IN PASTE FORM AND IN LIQUID OR SAUCE FORM AND BOUILLON IN GRANULATED AND IN CUBE FORM. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed Feb. 13, 1948, Serial No. 549,678. Published May 31, 1949. Class 46.

515,678. ELECTRIC-OZONIZER AIR PURIFYING APPARATUS. AMERICAN ASSOCIATES, INC., Wilmington, Del., and Providence, R. I.
Filed Feb. 14, 1948, Serial No. 549,691. Published June 21, 1949. Class 21.

515,679. CANDY. E. J. BRACH & SONS, Chicago, Ill.
Filed Feb. 14, 1948, Serial No. 549,697. Published May 31, 1949. Class 46.

515,680. FRESH CITRUS FRUITS. KIMBRIEL AND COMPANY, Pharr, Tex.
Filed Feb. 14, 1948, Serial No. 549,732. Published May 31, 1949. Class 46.

515,681. DOG FOOD. THE KENNEL FOOD SUPPLY COMPANY, INCORPORATED, Fairfield, Conn.
Filed Feb. 14, 1948, Serial No. 549,734. Published May 31, 1949. Class 46.

515,682. DOG FOOD. THE KENNEL FOOD SUPPLY COMPANY, INCORPORATED, Fairfield, Conn.
Filed Feb. 14, 1948, Serial No. 549,735. Published May 31, 1949. Class 46.

515,683. FRESH ORANGES. KIMBRIEL AND COMPANY, Pharr, Tex.
Filed Feb. 14, 1948, Serial No. 549,736. Published June 7, 1949. Class 46.

515,684. METAL CURTAIN RODS, DRAPERY HARDWARE, AND WINDOW SHADE HARDWARE. KENNEY MANUFACTURING COMPANY, Cranston, R. I.
Filed Feb. 16, 1948, Serial No. 549,810. Published June 21, 1949. Class 13.

515,685. DOOR AND WALL RACK FOR HOLDING HATS COMPRISING A SINGLE METALLIC FRAMEWORK FOR ATTACHMENT TO A DOOR, WALL, OR SHELF TO SUPPORT A HAT THEREON. HARRY E. MATSON, Los Angeles, Calif.
Filed Feb. 16, 1948, Serial No. 549,816. Published June 14, 1949. Class 13.

515,686. BAKING POWDER. MONARCH CHEMICAL COMPANY, New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,058. Published June 7, 1949. Class 46.

515,687. PREPARATION OF CARBON BLACK RESIN, AND SOLVENT FOR COLORING PAINTS AND PROTECTIVE COATINGS. BINNEY & SMITH COMPANY, New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,113. Published May 31, 1949. Class 16.

515,688. GROUP A—TILE CEMENT COMPOUNDED OF SYNTHETIC RESINOUS MATERIALS FOR AFFIXING TILES TO WALLS, UNDERFELT PASTE HAVING A RESINOUS BASE, COVE BASE CEMENT HAVING A RUBBER BASE, TILEBOARD CEMENT HAVING A RESINOUS BASE; GROUP C—COLD WATER PASTE. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,442. Published June 7, 1949. Class 5.

515,689. GRAHAM WAFER CRACKERS. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,500. Published June 7, 1949. Class 46.

515,690. ELECTRIC BLANKETS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 26, 1948, Serial No. 550,615. Published June 7, 1949. Class 21.

515,691. ELECTRICALLY-ILLUMINATED DISPLAY AND ADVERTISING SIGNS. COPLEY APPLIANCE COMPANY, South Boston, Mass.
Filed Feb. 27, 1948, Serial No. 550,674. Published June 21, 1949. Class 21.

515,692. CANDY. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,692. Published June 7, 1949. Class 46.

515,693. VENETIAN BLIND TAPE AND CORD SOLD AS FINISHED PRODUCTS AND AWNING BRAID AND AWNING TAPE. INTERNATIONAL BRAID COMPANY (1947), Providence, R. I., assignor to International Braid Corp., Fall River, Mass., a corporation of Massachusetts.
Filed Feb. 27, 1948, Serial No. 550,700. Published May 10, 1949. Class 40.

515,694. PHARMACEUTICAL AND VETERINARY PREPARATIONS AND SUBSTANCES, ETC. LABORATORIES OM S. A., Geneva, Switzerland.
Filed Feb. 27, 1948, Serial No. 550,708. Published June 7, 1949. Class 6.

515,695. CLOCKS. NUTONE, INC., Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,824. Published June 14, 1949. Class 27.

515,696. SCREWS, NUTS, AND BOLTS. TRITEST SCREW PRODUCTS CORP., Chicago, Ill.
Filed Mar. 1, 1948, Serial No. 550,968. Published June 21, 1949. Class 13.

515,697. FRESH CITRUS FRUITS. CHASE & COMPANY, Sanford, Fla.
Filed Mar. 3, 1948, Serial No. 551,087. Published June 14, 1949. Class 46.

515,698. TRAVELING BAGS, OVERNIGHT BAGS, VALISES, GLADSTONE BAGS, CLUB BAGS FOR TRAVELING, TRAIN CASES, UTILITY BAGS FOR TRAVELING. NEW BEDFORD LUGGAGE COMPANY, New Bedford, Mass.
Filed Mar. 3, 1948, Serial No. 551,114. Published June 7, 1949. Class 3.

515,699. CLEANSING AND WAXING PREPARATION FOR WALLS, FLOORS, FURNITURE, AND OTHER SURFACES. CARSOLITE CORPORATION, Maywood, Ill.
Filed Mar. 4, 1948, Serial No. 551,162. Published June 7, 1949. Class 16.

515,700. LUBRICATING OILS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,323. Published June 21, 1949. Class 15.

515,701. LUBRICATING OILS AND GREASES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,325. Published June 14, 1949. Class 15.

515,702. ELECTRICAL ATTACHMENT PLUGS. WATERBURY COMPANIES, INCORPORATED, Waterbury, Conn.
Filed Mar. 6, 1948, Serial No. 551,419. Published June 21, 1949. Class 21.

515,703. METAL CURTAIN RODS, DRAPERY HARDWARE, AND WINDOW SHADE HARDWARE. KENNEY MANUFACTURING COMPANY, Cranston, R. I.
Filed Mar. 11, 1948, Serial No. 551,713. Published June 7, 1949. Class 13.

515,704. SCREEN DOOR GUARDS. CHARLES RICHARD NAGEL, doing business as Arnagel Industries, Burbank, Calif.
Filed Mar. 11, 1948, Serial No. 551,721. Published June 7, 1949. Class 13.

515,705. BATHROOM FIXTURES—NAMELY, SEATS, ETC. C. F. CHURCH MFG. CO., Willimansett, Chicopee, Mass.
Filed Mar. 15, 1948, Serial No. 551,943. Published June 21, 1949. Class 13.

515,706. BATHROOM FIXTURES—NAMELY, SEATS, COVERS, AND HINGES FOR THE SEATS AND COVERS OF TOILETS. C. F. CHURCH MFG. CO., Willimansett, Chicopee, Mass.
Filed Mar. 15, 1948, Serial No. 551,947. Published June 21, 1949. Class 13.

515,707. ELECTRICALLY DRIVEN MIXER FOR LIQUID DRINKS. PREMIER INDUSTRIES CORPORATION, New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,163. Published June 7, 1949. Class 21.

515,708. WOMEN'S AND MISSES' HANDBAGS, POCKETBOOKS, AND PURSES. BIENEN-DAVIS, INC., New York, N. Y.
Filed Mar. 20, 1948, Serial No. 552,565. Published May 24, 1949. Class 3.

515,709. PAINT, PARTICULARLY ADAPTED TO BE APPLIED TO EXTERIOR METAL SURFACES. ALSTON-LUCAS PAINT CO., Lyons, Ill.
Filed Mar. 23, 1948, Serial No. 552,730. Published May 31, 1949. Class 16.

515,710. LINK-MESH BAGS MADE OF OR PLATED WITH PRECIOUS METAL AND BAGS WITH FRAMES, HANDLES, AND TRIM MADE OF OR PLATED WITH PRECIOUS METAL, ETC. MORRIS, MANN & REILLY, INC., Chicago, Ill.
Filed Mar. 26, 1948, Serial No. 553,122. Published June 14, 1949. Class 28.

515,711. COSMETICS, TO-WIT: FACE POWDER, DUSTING POWDER, CLEANSING CREAM, SKIN CREAM, THROAT AND FACE CREAM, ETC. MARIE BARKER COMPANY, St. Louis, Mo.
Filed Mar. 29, 1948, Serial No. 553,257. Published June 21, 1949. Class 6.

515,712. ELECTRICALLY OPERATED SIGNAL LIGHTS FOR USE ON AUTOMOBILES. THE E. W. CARPENTER MANUFACTURING COMPANY, Bridgeport, Conn.
Filed Mar. 31, 1948, Serial No. 553,457. Published June 7, 1949. Class 21.

515,713. NEUTRALIZER FLUID COMPOUND AND HIGHLIGHT WHITE COMPOUND USED TO CHEMICALLY TREAT DEFINED AREAS IN PREPARING ART WORK FOR REPRODUCTION. KEMART CORPORATION, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,125. Published June 21, 1949. Class 6.

515,714. NEUTRALIZER FLUID COMPOUND AND HIGHLIGHT WHITE COMPOUND USED TO CHEMICALLY TREAT DEFINED AREAS IN PREPARING ART WORK FOR REPRODUCTION. KEMART CORPORATION, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,130. Published June 21, 1949. Class 6.

515,715. ELECTRIC MOTOR DRIVEN VIBRATORS FOR THERAPEUTIC PURPOSES. MCDOWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Apr. 8, 1948, Serial No. 554,140. Published June 7, 1949. Class 44.

515,716. METAL WASHERS AND LOCK WASHERS, LAWN SPRINKLERS, GLAZIER POINTS, AND WEDGES FOR TOOL HANDLES. RED DEVIL TOOLS, Irvington, N. J.
Filed Apr. 8, 1948, Serial No. 554,156. Published June 14, 1949. Class 13.

515,717. CABINET HARDWARE — NAMELY, DOOR PULLS AND CATCHES, KNOBS, AND HINGES. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill.
Filed Apr. 12, 1948, Serial No. 554,351. Published June 21, 1949. Class 13.

515,718. CABINET HARDWARE — NAMELY, DOOR PULLS AND CATCHES, KNOBS, AND HINGES. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill.
Filed Apr. 12, 1948, Serial No. 554,352. Published June 21, 1949. Class 13.

515,719. QUENCHING AND TEMPERING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed Apr. 23, 1948, Serial No. 555,412. Published June 21, 1949. Class 15.

515,720. ASPHALT COMPOSITION SHINGLES, ROOFING, AND SIDING. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind.
Filed Apr. 26, 1948, Serial No. 555,601. Published May 31, 1949. Class 12.

515,721. COLOGNE, TOILET WATER, HAIR LOTIONS, HAIR OILS, LIQUID PREPARATION FOR USE IN STRAIGHTENING HAIR, AND AFTER-SHAVE LOTION. A/S M. AARSLEFF & CO., Copenhagen, Denmark.
Filed Apr. 27, 1948, Serial No. 555,644. Published June 14, 1949. Class 6.

515,722. CHEMICAL LIQUID OR SOLID FOR USE AS A DETERGENT, WETTING AGENT, OR DYE ASSISTANT IN TREATING TEXTILES. DEXTER CHEMICAL CORPORATION, New York, N. Y.
Filed Apr. 27, 1948, Serial No. 555,656. Published June 14, 1949. Class 6.

515,723. REFRACTORY BLOCKS FOR FURNACES. CORHART REFRACTORIES COMPANY, Louisville, Ky.
Filed Apr. 28, 1948, Serial No. 555,736. Published May 31, 1949. Class 12.

515,724. FIRE-BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed Apr. 30, 1948, Serial No. 555,930. Published June 14, 1949. Class 12.

515,725. PAINT ENAMELS, VARNISHES, AND READY MIXED PAINTS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed May 1, 1948, Serial No. 556,024. Published June 21, 1949. Class 16.

515,726. WATCHES CASED AND UNCASED. PAUL WYLER, New York, N. Y.
Filed May 5, 1948, Serial No. 556,803. Published June 14, 1949. Class 27.

515,727. WATCHES AND PARTS OF WATCHES. FABRIQUE D'HORLOGERIE RAYVILLE S. A. (RAYVILLE WATCH MANUFACTURING CO. LIMITED), Berne, Switzerland.
Filed May 6, 1948, Serial No. 556,328. Published June 14, 1949. Class 27.

515,728. PHARMACEUTICAL PRODUCT SUCH AS POMADE, HAIR DRESSING, AND SHAMPOO FOR EXTERNAL APPLICATION. LOLA DURHAM, Dayton, Ohio.
Filed May 7, 1948, Serial No. 556,426. Published May 31, 1949. Class 6.

515,729. LUBRICATING OIL AND PENETRATING OIL. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed May 7, 1948, Serial No. 556,437. Published June 21, 1949. Class 15.

515,730. BITUMINOUS COMPOSITION SHINGLES. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 7, 1948, Serial No. 556,478. Published May 31, 1949. Class 12.

515,731. FOREHEAD BANDS FOR HEADACHE RELIEF. MARIA HÖRNÉS, New York, N. Y.
Filed May 8, 1948, Serial No. 556,581. Published June 7, 1949. Class 44.

515,732. HOTPLATES AND COOK STOVES. MEYNELL MANUFACTURING COMPANY, Erie, Pa.
Filed May 8, 1948, Serial No. 556,590. Published May 31, 1949. Class 34.

515,733. PRESSURE-SENSITIVE, ADHESIVE COATED, ABRASION RESISTANT, SHEET MATERIAL FOR MAKING STENCILS USED IN SANDBLASTING. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed May 8, 1948, Serial No. 556,591. Published June 14, 1949. Class 5.

515,734. SPHYGMOMANOMETERS AND PARTS THEREOF SUCH AS MERCURIAL MANOMETERS, ETC. W. A. BAUM CO., INC., New York, N. Y.
Filed Jan. 16, 1948, Serial No. 556,713. Published June 7, 1949. Class 44.

515,735. BATHROOM WALL HEATERS, DUCTS FOR HEATING AND VENTILATING APPARATUS AND METAL ATTACHMENTS FOR SETTING UP SAID HEATING AND VENTILATING DUCTS. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 11, 1948, Serial No. 556,771. Published May 31, 1949. Class 34.

515,736. BATH ROOM HEATERS. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed May 11, 1948, Serial No. 556,778. Published May 31, 1949. Class 34.

515,737. LUBRICATING OIL AND PARTICULARLY OIL FOR VACUUM PUMPS AND PULSATORS USED WITH MILKING MACHINES. BABSON BROS. CO., Chicago, Ill.
Filed May 14, 1948, Serial No. 557,004. Published May 31, 1949. Class 15.

515,738. READY-MIXED PAINTS, ENAMELS, VARNISHES, AND SOLVENTS THEREFOR, AND PASTE PAINTS. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y.
Filed May 14, 1948, Serial No. 557,041. Published June 21, 1949. Class 16.

515,739. READY-MIXED PAINTS, ENAMELS, VARNISHES, AND SOLVENTS THEREFOR, AND PASTE PAINTS. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y.
Filed May 14, 1948, Serial No. 557,043. Published June 21, 1949. Class 16.

515,740. PLASTIC WALL TILE. LEATHERTONE, INC., Boston, Mass.
Filed May 15, 1948, Serial No. 557,141. Published June 14, 1949. Class 12.

515,741. ANTISEPTIC MEDICATED SKIN PREPARATION, ETC. CARMINE PAULANTONIO, doing business as The Paul Laboratories, New York, N. Y.
Filed May 17, 1948, Serial No. 557,207. Published June 14, 1949. Class 6.

515,742. SEPARATING MATERIAL FOR APPLICATION TO DENTAL MOLDS TO FACILITATE REMOVAL OF THE DENTURE FROM THE MOLD AND FOR RENDERING THE MOLD MOISTURE RESISTANT. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed May 18, 1948, Serial No. 557,263. Published June 7, 1949. Class 44.

515,743. TONIC FOR RELIEF OF HEART TROUBLE AND DIABETES. TILLIE SCHWARTS, New Haven, Conn.
Filed May 18, 1948, Serial No. 557,313. Published June 14, 1949. Class 6.

515,744. OIL BURNING FLARES. DORAY LAMP CO., INC., Chicago, Ill.
Filed May 20, 1948, Serial No. 557,440. Published May 31, 1949. Class 34.

515,745. DENTAL HAND PIECES AND REPLACEMENT PARTS THEREFOR INCLUDING BEARINGS, SCREWS, GEAR SHAFTS, HEADS, AND THE LIKE. BUR DENT MANUFACTURING COMPANY, Crystal Lake, Ill.
Filed May 26, 1948, Serial No. 557,825. Published June 7, 1949. Class 44.

515,746. TILES AND TILEBOARD OF COMPOSITE FIBROUS MATERIALS AND OF METAL. NATIONAL TILEBOARD CORP., New York, N. Y., assignor to Roxdale Building Products Corporation, New York, N. Y., a corporation of New York.
Filed May 29, 1948, Serial No. 558,154. Published June 14, 1949. Class 12.

515,747. WATCHES AND CLOCKS. OLLENDORFF WATCH CO. INC., New York, N. Y.
Filed May 29, 1948, Serial No. 558,157. Published June 14, 1949. Class 27.

515,748. WATCHES AND CLOCKS. OLLENDORFF WATCH CO. INC., New York, N. Y.
Filed May 29, 1948, Serial No. 558,159. Published June 14, 1949. Class 27.

515,749. WATCHES AND CLOCKS. OLLENDORFF WATCH CO. INC., New York, N. Y.
Filed May 29, 1948, Serial No. 558,160. Published June 14, 1949. Class 27.

515,750. WATER HEATERS, BOILERS, FURNACES, STOKERS, OIL BURNERS, AND GAS BURNERS. HESCO CORPORATION, Cleveland, Ohio.
Filed June 2, 1948, Serial No. 558,301. Published June 14, 1949. Class 34.

515,751. ALUMINIUM WINDOW SASHES. LEWIS & OWENS MANUFACTURING COMPANY, INC., Knoxville, Tenn.
Filed June 3, 1948, Serial No. 558,399. Published June 14, 1949. Class 12.

515,752. ESSENTIAL OILS FOR THE PERFUMERY TRADE, PHENYLETHYL ALCOHOL, AND RHODINOL. GERARD J. DANCO, INC., New York, N. Y.
Filed June 5, 1948, Serial No. 558,556. Published June 14, 1949. Class 6.

515,753. SEDATION TABLETS. THE E. L. PATCH COMPANY, Stoneham, Mass.
Filed June 8, 1948, Serial No. 558,734. Published May 31, 1949. Class 6.

515,754. SODIUM SESQUICARBONATE. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed June 7, 1948, Serial No. 558,978. Published June 21, 1949. Class 6.

515,755. WATCHES, WATCH MOVEMENTS, AND PARTS OF WATCHES. THE BALL COMPANY, Chicago, Ill.
Filed June 11, 1948, Serial No. 558,993. Published June 14, 1949. Class 27.

515,756. PRECIPITATED CALCIUM CARBONATE TECHNICAL GRADE. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 559,400. Published June 7, 1949. Class 6.

515,757. PERFUME. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed June 22, 1948, Serial No. 559,886. Published June 21, 1949. Class 6.

515,758. FACE POWDER AND TALCUM POWDER. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed June 22, 1948, Serial No. 559,895. Published June 21, 1949. Class 6.

515,759. PERFUME. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed June 22, 1948, Serial No. 559,896. Published June 21, 1949. Class 6.

515,760. MEDICINAL PREPARATION FOR INJECTION CONTAINING PEANUT OIL, OTHER OILS, GELATIN, AND DEXTROSE, AND HAVING PROLONGED THERAPEUTIC ACTIVITY. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed June 23, 1948, Serial No. 560,069. Published June 7, 1949. Class 6.

515,761. LUBRICATING WAX, GREASE, AND OIL FOR MACHINE PARTS. BYERSON OIL CO., INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,227. Published June 21, 1949. Class 15.

515,762. LUBRICATING WAX, GREASE, AND OIL FOR MACHINE PARTS. BYERSON OIL CO., INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,228. Published June 21, 1949. Class 15.

515,763. PREPARATION RECOMMENDED FOR THE TREATMENT OF HEADACHES. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed July 2, 1948, Serial No. 560,660. Published June 14, 1949. Class 6.

515,764. PREPARATION FOR APPLICATION TO THE TEETH, ETC. LACLEDE LABORATORIES, INC., St. Louis, Mo.
Filed July 10, 1948, Serial No. 561,126. Published June 14, 1949. Class 6.

515,765. FERTILIZER COMPOSITION. EDWIN G. LEARNARD, Great Neck, N. Y.
Filed July 12, 1948, Serial No. 561,201. Published May 10, 1949. Class 10.

515,766. SYRUP FOR COUGHS DUE TO COLDS OR FOR TEMPORARY HOARSENESS. EDMUND J. COLLETTE, doing business as Favreau & Collette, Spencer, Mass.
Filed Mar. 26, 1948, Serial No. 561,424. Published June 21, 1949. Class 6.

515,767. CHEMO-THERAPEUTIC AGENT FOR TREATMENT OF INTERNAL BACTERIAL INFECTIONS. HOFFMANN-LA ROCHE INC., Nutley, N. J.
Filed July 21, 1948, Serial No. 561,827. Published May 31, 1949. Class 6.

515,768. LUGGAGE—NAMELY, GRIPS, VALISES, HAT AND SHOE CASES, WARDROBE TRUNKS, AND SUITCASES. SPELBRIN LUGGAGE CORP., Brooklyn, N. Y.
Filed July 24, 1948, Serial No. 562,161. Published May 24, 1949. Class 3.

515,769. COMBS IN THE NATURE OF BARRETTES. DAVID L. TRUMAN, doing business as Cinema Specialties Company, Los Angeles, Calif.
Filed July 24, 1948, Serial No. 562,164. Published June 7, 1949. Class 40.

515,770. MEDICAL PREPARATION FOR THE PREVENTION AND CONTROL OF CECAL COCCIDIOSIS OF POULTRY. DR. HESS & CLARK, INC., Ashland, Ohio.
Filed July 27, 1948, Serial No. 562,262. Published June 14, 1949. Class 6.

515,771. ESCHAROTIC PREPARATION FOR USE IN DEHORNING CALVES AND KIDS. DR. HESS & CLARK, INC., Ashland, Ohio.
Filed July 27, 1948, Serial No. 562,263. Published June 14, 1949. Class 6.

515,772. BRUSHES FOR CLOTHES AND OTHER FABRICS. CHESLAN BRUSH COMPANY, INC., Knoxville, Tenn.
Filed July 29, 1948, Serial No. 562,448. Published June 7, 1949. Class 29.

515,773. BLEACH, AMMONIA, AND BLUING. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Aug. 4, 1948, Serial No. 562,764. Published June 7, 1949. Class 6.

515,774. NON-ELECTRICAL HAIR WAVERS AND HAIR CURLERS. MERVIN WAVE CLIP CO., INC., New York, N. Y.
Filed Aug. 11, 1948, Serial No. 563,205. Published May 24, 1949. Class 40.

515,775. PORTFOLIOS, POCKETBOOKS, AND LUGGAGE—NAMELY, LEATHER TRAVELLING CASES, FORTNIGHTERS, SUITCASES, HAT CASES, AND SHOE CASES. HAZEL WASHINGTON, Los Angeles, Calif.
Filed Aug. 19, 1948, Serial No. 563,768. Published June 7, 1949. Class 3.

515,776. PHARMACEUTICAL PRODUCT, COMBINING ESTROGENIC SUBSTANCES AND PROGESTERONE FOR THE TREATMENT OF SECONDARY AND PRIMARY AMENORRHEA. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed Apr. 10, 1948, Serial No. 564,679. Published June 7, 1949. Class 6.

515,777. DRESSER SETS, COMPLETE SETS INCLUDING HAIR BRUSHES AND HAND MIRRORS AND SOLD AS A UNIT. ASTOR-RAMEL MFG. CO., INC., New York, N. Y.
Filed Sept. 4, 1948, Serial No. 564,703. Published May 17, 1949. Class 40.

515,778. BUST FORMS. CHESTERMAN-LEELAND CO., Philadelphia, Pa.
Filed Sept. 11, 1948, Serial No. 564,986. Published May 17, 1949. Class 40.

515,779. DRESSER SETS, COMPLETE SETS INCLUDING HAIR BRUSHES AND HAND MIRRORS AND SOLD AS A UNIT. ASTOR-RAMEL MFG. CO., INC., New York, N. Y.
Filed Sept. 13, 1948, Serial No. 565,034. Published May 17, 1949. Class 40.

515,780. BRILLIANTINE, CREAM COLOGNE, FACE POWDER, AND LIPSTICK. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed Sept. 13, 1948, Serial No. 565,044. Published June 7, 1949. Class 6.

515,781. PROCAINE PENICILLIN G IN SESAME OIL WITH ALUMINUM MONOSTEARATE. CUTTER LABORATORIES, Berkeley, Calif.
Filed Sept. 18, 1948, Serial No. 565,419. Published June 21, 1949. Class 6.

515,782. INSECTICIDES. KLAUSS-WHITE, San Antonio, Tex.
Filed Sept. 21, 1948, Serial No. 565,553. Published June 21, 1949. Class 6.

515,783. COUGH SYRUP. ROY J. TROUTMAN, doing business as Seko Products Co, Shamokin, Pa.
Filed Sept. 22, 1948, Serial No. 565,663. Published June 21, 1949. Class 6.

515,784. SEAMBINDING. SHELTEX MANUFACTURING CO., Brooklyn, N. Y.
Filed Sept. 29, 1948, Serial No. 566,106. Published May 24, 1949. Class 40.

515,785. BUTTONS NOT MADE OF PRECIOUS METAL. HOWARD GOODMAN, New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,133. Published June 7, 1949. Class 40.

515,786. DRIED SYNTHETIC RESIN AND COMPOUNDS, ETC. HARTMAN-LEDDON COMPANY, INCORPORATED, Philadelphia, Pa.
Filed Oct. 1, 1948, Serial No. 566,228. Published June 14, 1949. Class 6.

515,787. PERFUME. BOURJOIS, INC., New York, N. Y.
Filed Oct. 6, 1948, Serial No. 566,493. Published June 21, 1949. Class 6.

515,788. EAU DE COLOGNE. BOURJOIS, INC., New York, N. Y.
Filed Oct. 6, 1948, Serial No. 566,494. Published June 21, 1949. Class 6.

515,789. BIAS BINDING TAPE. CREED & STEWART, LTD., Aurora, Ill.
Filed Oct. 8, 1948, Serial No. 566,693. Published May 24, 1949. Class 40.

515,790. FATTY ACID CONDENSATE FOR WETTING OUT AND SCOURING TEXTILE FABRICS. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed Oct. 13, 1948, Serial No. 566,930. Published June 21, 1949. Class 6.

515,791. MEDICINAL PREPARATION OF THENYLPYRAMINE, ETC. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Oct. 13, 1948, Serial No. 566,945. Published June 14, 1949. Class 6.

515,792. CHEMICAL FLUXES AND COMPRESSED GASES, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Oct. 14, 1948, Serial No. 566,999. Published June 21, 1949. Class 6.

515,793. PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE, ETC. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed Oct. 15, 1948, Serial No. 567,048. Published June 21, 1949. Class 6.

515,794. BATH WATER PERFUME LOTION. PINE-O-PINE COMPANY OF TEXAS, Houston, Tex.
Filed Oct. 18, 1948, Serial No. 567,150. Published June 21, 1949. Class 6.

515,795. CHEMICALS DERIVED FROM CORN—NAMELY, POLYSACCHARIDE, ZEIN, CALCIUM PHYTATE, AND INOSITOL. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Oct. 19, 1948, Serial No. 567,185. Published June 14, 1949. Class 6.

515,796. PHARMACEUTICAL PREPARATION FOR USE AS AN ORAL AND TOPICAL CLEANSER, REFRESHANT, AND DEODORANT. REED & CARNRICK, Jersey City, N. J.
Filed Oct. 19, 1948, Serial No. 567,209. Published June 21, 1949. Class 6.

515,797. WALLETS AND PURSES. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed Oct. 21, 1948, Serial No. 567,380. Published May 24, 1949. Class 3.

515,798. WALLETS AND PURSES. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed Oct. 21, 1948, Serial No. 567,881. Published May 24, 1949. Class 3.

515,799. BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES. MERRIMAC HAT CORPORATION, New York, N. Y.
Filed Nov. 1, 1948, Serial No. 567,986. Published June 7, 1949. Class 40.

515,800. BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES. MERRIMAC HAT CORPORATION, New York, N. Y.
Filed Nov. 1, 1948, Serial No. 567,987. Published June 7, 1949. Class 40.

515,801. BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES. MERRIMAC HAT CORPORATION, New York, N. Y.
Filed Nov. 1, 1948, Serial No. 567,991. Published June 7, 1949. Class 40.

515,802. POCKET COMBS. STANDARD SALES CO., Birmingham, Ala.
Filed Oct. 26, 1948, Serial No. 568,088. Published June 7, 1949. Class 40.

515,803. DRESS SHIELDS. MCCRORY STORES CORPORATION, New York, N. Y.
Filed Nov. 24, 1948, Serial No. 569,388. Published May 24, 1949. Class 40.

515,804. WALLETS, KEY CASES, PURSES, PORTFOLIOS, CATALOGUE CASES, BILL FOLDS, SCHOOL BAGS, ETC. NASH, INC., Jersey City, N. J.
Filed Dec. 27, 1948, Serial No. 571,157. Published June 14, 1949. Class 3.

515,805. LADIES', WOMEN'S, AND MISSES' POCKETBOOKS, HANDBAGS, PURSES, WALLETS, BILLFOLDS. RONAY, INC., New York, N. Y.
Filed Dec. 28, 1948, Serial No. 571,237. Published June 14, 1949. Class 3.

515,806. COMBS, BARRETTES, HAIR ROLLS, AND HAIR CURLERS. TILTON & COOK CO., Leominster, Mass.
Filed Dec. 15, 1948, Serial No. 572,610. Published June 14, 1949. Class 40.

515,807. TOILET WATER RECOMMENDED FOR REFRESHING AND SCENTING THE SKIN; FOR MASSAGING THE BODY; FOR USE AS A PERSONAL DEODORANT AND FOR DEODORIZING PREMISES; ETC. LANMAN & KEMP-BARCLAY & CO., INCORPORATED, New York, N. Y.
Filed Feb. 16, 1949, Serial No. 573,954. Published June 21, 1949. Class 6.

515,808. METALLIC ALLOY IN PASTE FORM FOR MAKING REPAIRS IN AND CHANGING CONTOURS OF METAL AND OTHER SURFACES. R. M. HOLLINGSHEAD CORPORATION, Camden, N. J.
Filed Apr. 23, 1949, Serial No. 577,575. Published July 5, 1949. Class 14.

515,809. AIR CONDITIONING APPARATUS—NAMELY, APPARATUS FOR VARYING THE TEMPERATURE OR THE HUMIDITY OF AIR. AMERICAN BLOWER CORPORATION, Detroit, Mich.
Original filed, act of 1905, June 18, 1945; amended to application under act of 1946, Principal Register, Aug. 6, 1947, Serial No. 484,637. Published May 31, 1949. Class 34.

Service Marks

515,810. LEASING, MAINTENANCE, AND REPAIR OF SIGNS AND ELECTRICAL ADVERTISING DISPLAYS. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill., now by change of name Federal Enterprises, Inc., a corporation of New York.
Filed July 29, 1947, Serial No. 529,887. Published June 21, 1949. Class 55.

515,811. RENTAL AND INSTALLATION AND MAINTENANCE OF FIRE AND BURGLAR ALARM SYSTEMS. AMERICAN ELECTRICAL CORPORATION OF MASSACHUSETTS, Boston, Mass., now by change of name American Electrical Corporation, a corporation of Massachusetts.
Filed Aug. 19, 1947, Serial No. 531,752. Published Mar. 1, 1949. Class 55.

515,812. CONTRACT PAINTING WHICH IS INDUSTRIAL, RESIDENTIAL, AND INSTITUTIONAL. KUEHNLE-WILSON INC., Philadelphia, Pa.
Filed Aug. 28, 1947, Serial No. 533,237. Published Feb. 1, 1949. Class 55.

515,813. PLUMBING AND HEATING SERVICES—NAMELY, THE INSTALLING AND REPAIRING OF PLUMBING AND HEATING EQUIPMENT. W. J. BAUMBACH INC., Arlington, Va.
Filed Sept. 10, 1947, Serial No. 533,977. Published June 7, 1949. Class 55.

515,814. BURGLAR-ALARM SERVICE COMPRISING THE LEASING AND INSTALLATION OF BURGLAR ALARM SIGNAL DEVICES, ETC. THE SIGNAL DEVICES AND ALARM COMPANY, Cleveland, Ohio.
Filed Sept. 22, 1947, Serial No. 535,265. Published June 21, 1949. Class 55.

515,815. ELECTRO-PLATING WITH COPPER, NICKEL, AND CHROME AND OTHER METALS. AUTO CITY PLATING CO., Detroit, Mich.
Filed Oct. 14, 1947, Serial No. 537,783. Published Feb. 8, 1949. Class 55.

515,816. INSURANCE, BROKERAGE, AND AGENCY SERVICES—NAMELY, FIRE, RENTS, HEALTH, BURGLARY, AUTOMOBILE, SURETY BONDS, TOURIST'S FLOATER, ETC. JOHN C. PAIGE & COMPANY, Boston, Mass.
Filed Oct. 16, 1947, Serial No. 538,035. Published June 21, 1949. Class 55.

515,817. RADIO BROADCASTING. NORTHERN VIRGINIA BROADCASTERS, INC., Arlington, Va.
Filed Oct. 27, 1947, Serial No. 539,201. Published June 7, 1949. Class 55.

515,818. RE-CAPPING AND RE-CONDITIONING VEHICLE TIRES. TRUE'S OIL COMPANY, Spokane, Wash.
Filed Nov. 1, 1947, Serial No. 539,917. Published June 7, 1949. Class 55.

515,819. PERIODICAL INSPECTION AND REPAIR OF INDUSTRIAL ELECTRONIC EQUIPMENT, SOUND EQUIPMENT, THEATER SOUND EQUIPMENT, AND TELEVISION RECEIVERS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,523. Published June 7, 1949. Class 55.

515,820. CHROMIUM PLATING. DUCTILE CHROME PROCESS CO., Detroit, Mich.
Filed Feb. 24, 1948, Serial No. 550,396. Published Feb. 22, 1949. Class 55.

515,821. CHECKING ACCOUNT BANKING SERVICES. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif.
Filed May 3, 1948, Serial No. 556,060. Published June 21, 1949. Class 55.

515,822. TRANSPORTATION OF HOUSEHOLD GOODS BY MOTOR VEHICLE. ALLIED VAN LINES, INC., Chicago, Ill.
Filed May 19, 1948, Serial No. 557,331. Published June 21, 1949. Class 55.

515,823. TRANSPORTATION OF HOUSEHOLD GOODS BY MOTOR VEHICLE. ALLIED VAN LINES, INC., Chicago, Ill.
Filed May 19, 1948, Serial No. 557,332. Published June 21, 1949. Class 55.

515,824. LAUNDERING OF DIAPERS. WILLIAM PENN LAUNDRY, INC., Philadelphia, Pa.
Filed June 8, 1948, Serial No. 558,427. Published June 21, 1949. Class 55.

515,825. FUR CLEANING AND STORAGE. NATIONAL SUPERIOR FUR DRESSING & DYEING CO., Chicago, Ill.
Filed July 28, 1948, Serial No. 562,388. Published June 21, 1949. Class 55.

515,826. FUR CLEANING AND STORAGE. NATIONAL SUPERIOR FUR DRESSING & DYEING CO., Chicago, Ill.
Filed July 28, 1948, Serial No. 562,389. Published June 21, 1949. Class 55.

515,827. CLEANING OF FURS, FUR COATS, AND CLOTH GARMENTS. PAUL SIMON, New York, N. Y.
Filed Oct. 7, 1948, Serial No. 566,664. Published June 21, 1949. Class 55.

Certification Marks

515,828. PREFABRICATED BUILDING PANELS MADE UP OF A WALL BOARD BACKING, ETC. STAVINEER CORPORATION, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,453. Published May 31, 1949. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

515,829. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TUWAY FISH LURE CO., Berkeley, Calif. Original filed, act of 1905, Aug. 14, 1946; amended to application under act of 1946, Supplemental Register, May 24, 1948. Serial No. 507,441.

TUWAY

FOR ARTIFICIAL FISH LURES.
Claims use since June 28, 1945.

515,830. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TIFFEN MANUFACTURING CORPORATION, Brooklyn, N. Y. Original filed, act of 1905, Mar. 13, 1947; amended to application under act of 1946, Supplemental Register, Apr. 21, 1948, Serial No. 518,991.

Tiffen

FOR PHOTOGRAPHIC LENS SHADES, FILTER MOUNTS, EXTENSION TUBES, LEATHER POUCHES FOR FILTERS, GLASS (LENSES), LENS FLANGES, TRIPODS, LENS ADAPTERS, LIGHT STANDS.
Claims use since July 20, 1946.

515,831. (CLASS 15. OILS AND GREASES.) ARTHUR G. MEIER, trading as Tested Lubricants, Roanoke, Va. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Supplemental Register, Sept. 15, 1948, Serial No. 519,674.

Seal-test
ALL-WEATHER
MOTOR OIL

FOR LUBRICATING OILS AND GREASES.
Claims use since July 8, 1945.

515,832. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Original filed, act of 1946, Principal Register, July 15, 1947; amended to application, Supplemental Register, July 26, 1949, Serial No. 528,664.

PLENTI-POWER

FOR RADIO RECEIVERS AND PARTS THEREOF, ELECTRIC PHONOGRAPHS AND PARTS THEREOF, AND DRY CELL BATTERIES.
Claims use since Nov. 12, 1946.

515,833. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LAWRENCE SCHIFF SILK MILLS, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 23, 1948; amended to application, Supplemental Register, July 6, 1949, Serial No. 555,454.

"Ever-Bound"

FOR RIBBONS USED FOR SEAM BINDING OF WEARING APPAREL.
Claims use since Jan. 8, 1948.

515,834. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WADE H. FOSTER, Bad Axe, Mich. Filed June 4, 1948, Serial No. 558,483.

HURON

FOR ELECTRICALLY HEATED, THERMOSTATICALLY-CONTROLLED, KETTLE-TYPE STOCK FOOD COOKERS.
Claims use since June 3, 1945.

Service Marks

515,835. (CLASS 55. SERVICES.) PETROLEUM HEAT AND POWER COMPANY, Stamford, Conn. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, Dec. 30, 1948, Serial No. 526,838.

"FILL TO FLAME"

FOR OIL BURNER SERVICE—NAMELY, INSPECTION AND REPAIR.
Claims use since Apr. 5, 1947.

515,836. (CLASS 55. SERVICES.) AMERICAN CONDITIONING HOUSE, INC., Boston, Mass. Original filed, act of 1946, Principal Register, June 26, 1948; amended to application, Supplemental Register, June 17, 1949, Serial No. 560,246.

AMERICAN CONDITIONING HOUSE — CORE TESTING OF WOOL

FOR CORE TESTING OF ANIMAL FIBERS, INCLUDING WOOL AND CASHMERE, TO DETERMINE THE PER CENT OF TOP, NOILS, AND WASTE, THE PER CENT OF VEGETABLE MATTER IN THE SCOURED FIBERS, THE PER CENT OF CLEAN CONTENT OF THE ANIMAL FIBERS AND THE PER CENT OF HARD SCOURED YIELD AND CLEAN COMMERCIAL YIELD.
Claims use since Sept. 22, 1947.

TRADE-MARK REGISTRATIONS RENEWED

33,150. "PARCHES FORTIFICANTES" ETC. WITH REPRESENTATION OF RED GREEK CROSS AND WREATH IN CIRCULAR OUTLINE ON RECTANGULAR LABEL DESIGN. Registered June 27, 1899. Johnson & Johnson, New Brunswick, N. J., and New York, N. Y. Re-renewed June 27, 1949, to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. MEDICINAL STRENGTHENING-PLASTERS. Class 6.

74,056. "WIGWAM" AND DESIGN. Registered June 15, 1909. The Towle Maple Syrup Company, St. Paul, Minn. Re-renewed June 15, 1949, to General Foods Corporation, New York, N. Y., a corporation of Delaware. BLEND OF CANE AND MAPLE SYRUPS. Class 46.

74,929. REPRESENTATION OF THREE PAINTERS. Registered Aug. 17, 1909. Le Ripolin (Société Anonyme Française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis), Paris, France, and Amsterdam, Netherlands. Re-renewed Aug. 17, 1949, to Le Ripolin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins, Procédés Lefranc & Briegleb Réunis), Paris, France, a French company. ENAMEL PAINT. Class 16.

75,676. ANEITA. Registered Nov. 2, 1909. William Alsberg. Re-renewed Nov. 2, 1949, to Myer Alsberg, Philadelphia, Pa. HOSIERY. Class 39.

75,974. SEDATOLE. Registered Nov. 30, 1909. Sharp & Dohme, Baltimore, Md. Re-renewed Nov. 30, 1949, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. A REMEDY FOR COUGHS AND COLDS. Class 6.

254,306. "MAYFAIR KNITWEAR" ETC. AND PICTURESQUE DESIGN. Registered Mar. 19, 1929. Sol Kaufman, doing business as The Mayfair Knitting Mills. Renewed Mar. 19, 1949, to Kiddie Klothes Ko., Baltimore, Md., a firm. INFANTS' AND CHILDREN'S SACQUES, SWEATERS, CAPS, LEGGIN SETS, ETC. Class 39.

257,243. "HAZARD" ETC. WITH REPRESENTATION OF KEYSTONE AND REEL DEVICE. Registered June 4, 1929. Hazard Wire Rope Company, Wilkes-Barre, Pa. Renewed June 4, 1949, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York. WIRE ROPE. Class 7.

263,371. "KNICKERBOCKER" AND DRAWING. Registered Nov. 5, 1929. Knickerbocker Mills Co., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. SPICES, PAPRIKA, TEA, COFFEE, AND EDIBLE SEEDS. Class 46.

263,568. SHOW BOAT. Registered Nov. 5, 1929. The Newton Products Company, Cincinnati, Ohio. Renewed Nov. 5, 1949, to Chase Candy Company, St. Louis, Mo., a corporation of Missouri. CANDIES AND CONFECTIONS—NAMELY, OPERA CREAMS, MINT-LOAF, CARAMELS, NOUGATINES, NOUGAT CHEWS; ETC. Class 46.

263,569. FIFTH AVENUE. Registered Nov. 5, 1929. Simons, Shuttleworth & French Company, Inc., New York, N. Y. Renewed Nov. 5, 1949, to Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif., a corporation of New York. FRESH DECIDUOUS FRUITS. Class 46.

263,863. GREEN CIRCLE. Registered Nov. 12, 1929. Greenspan Bros. Co. Renewed Nov. 12, 1949, to Flagstaff Foods, Perth Amboy, N. J., a corporation of New Jersey. CANNED VEGETABLES, CANNED FRUITS, CANNED SAUERKRAUT, AND COFFEE. Class 46.

264,106. PENGUIN. Registered Nov. 19, 1929. Worumbo Manufacturing Company, Bath, Maine. Renewed Nov. 19, 1949, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. WOOLEN FABRICS. Class 42.

264,161. U-SAVIT. Registered Nov. 19, 1929. Speas Manufacturing Co. Renewed Nov. 19, 1949, to The Speas Company, Kansas City, Mo., a corporation of Missouri. VINEGAR. Class 46.

264,324. "7 AUTO TOP FINISH" BENEATH THE WORD "DU PONT" IN OVAL DESIGN. Registered Nov. 26, 1929. E. I. du Pont de Nemours and Company, [illegible] a corporation of Delaware. Renewed

264,452. "SECO" AND DESIGN. Registered Nov. 26, 1929. Seco Leather Products Company, New York, N. Y. Renewed Nov. 26, 1949, to Ted M. Segal, doing business as Seco Leather Products Company, West New York, N. J. LEATHER NOVELTIES AND LEATHER GOODS AS FOLLOWS: BILL FOLDS, WALLETS, TRAVELING SETS, ETC. Class 3.

264,469. "CLYDEDG" AND BACKGROUND DESIGN. Registered Nov. 26, 1929. The Clyde Cutlery Company, Clyde, Ohio, a corporation of Ohio. Renewed Nov. 26, 1949. CUTLERY — NAMELY, BANANA KNIVES, BEEF SLICERS, BEET-TOPPING KNIVES, BONING KNIVES, ETC. Class 23.

264,659. BEAU-BROOKE. Registered Dec. 3, 1929. Kresge Department Store Corporation. Renewed Dec. 3, 1949, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. MEN'S, BOYS', AND YOUTHS' SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, CAPS, SWEATERS, AND RAINCOATS. Class 39.

264,670. COLORINSE. Registered Dec. 3, 1929. The Nestle-Le Mur Company, Cleveland, Ohio. Renewed Dec. 3, 1949, to The Nestle-Le Mur Company, South Meriden, Conn., a corporation of Ohio. HAIR-TREATING COMPOSITION. Class 6.

264,689. BRIDGE. Registered Dec. 3, 1929. Fischer Baking Company, Newark, N. J., a corporation of New Jersey. Renewed Dec. 3, 1949. CAKES, COOKIES, PIES, CRACKERS, AND CRULLERS. Class 46.

264,723. SUPERIOR. Registered Dec. 3, 1929. The Sears & Nichols Corporation, Chillicothe, Ohio. Renewed Dec. 3, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED FRUITS, BERRIES, VEGETABLES, BAKED BEANS WITH TOMATO SAUCE, SAUERKRAUT, HOMINY, AND PORK AND BEANS. Class 46.

264,817. VIKING. Registered Dec. 10, 1929. Familian-

257,341. "KLENOSEAL" ETC. AND DESIGN. Registered June 4, 1929. Douglas & Green, Inc., New York, N. Y. Renewed June 4, 1949, to R. W. Eldridge Company, Inc., Charlotte, N. C., a corporation of North Carolina. HANDKERCHIEFS. Class 39.

257,463. REPRESENTATION OF BEAR WITHIN OVAL-SHAPED DESIGN. Registered June 11, 1929. Bear Mill Manufacturing Company, Inc., New York, N. Y., a corporation of New York. Renewed June 11, 1949. FINISHED COTTON, SILK, OR MIXED SILK AND COTTON GOODS IN THE PIECE. Class 42.

257,504. "PACKAGED HEAT". Registered June 11, 1929. Everhot Chemical Corporation, Newark, N. J. Renewed June 11, 1949, to Lena Rose Worth, doing business as Everhot Heating Pad Company, New York, N. Y. CHEMICAL REFILL UNIT FOR HEATING BAGS. Class 6.

257,715. FALCO. Registered June 18, 1929. The Fuchs & Lang Manufacturing Co., New York, N. Y. Renewed June 18, 1949, to Sun Chemical Corporation, Long Island City, N. Y., a corporation of Delaware. LITHOGRAPHING AND PRINTING INKS. Class 11.

257,766. ETHACAINE. Registered June 18, 1929. Seydel Chemical Company, Nitro, W. Va., and Jersey City, N. J. Renewed June 18, 1949, to Seydel Chemical Company, Jersey City, N. J., a corporation of New Jersey. MEDICINAL COMPOUND HAVING ANÆSTHETIC AND ANTISEPTIC QUALITIES. Class 6.

258,118. RADIAC. Registered June 25, 1929. Albert P. de Sanno, Jr., doing business as A. P. de Sanno & Son, Philadelphia, Pa. Renewed June 25, 1949, to A. P. de Sanno & Son, Inc., Phoenixville, Pa., a corporation of Pennsylvania. GRINDING AND CUT-OFF WHEELS AND ABRASIVES. Class 4.

258,151. "COBEF" ENCLOSED BY OVAL-SHAPED DESIGN. Registered June 25, 1929. Comptoir Général Belge pour la vente des verres mécaniques Fourcault Société Anonyme, Brussels, Belgium. Renewed June 25, 1949, to Union des Verreries Mecaniques Belges, Societe Anonyme, Charleroi, Belgium, a corporation organized under the laws of the Kingdom of Belgium. MECHANICALLY-DRAWN WINDOW GLASS. Class 33.

258,635. RAVISE. Registered July 9, 1929. The La Valliere Company. Renewed July 9, 1949, to The Specialty Products Company, New Orleans, La., a partnership. PERFUMES, TOILET WATERS, SACHET POWDER, FACE POWDER, TALCUM POWDER, ETC. Class 6.

258,790. BRIKMIX. Registered July 16, 1929. Andrew J. Snyder. Renewed July 16, 1949, to Century Cement Manufacturing Company, Inc., Rosendale, N. Y., a corporation of New York. BUILDER'S CEMENT. Class 12.

259,078. WHITE CROWS. Registered July 23, 1929. Mason, Au & Magenheimer Confectionery Manufacturing Company. Renewed July 23, 1949, to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y., a corporation of New York. CANDIES. Class 46.

260,226. ALPS. Registered Aug. 20, 1929. Mason, Au & Magenheimer Confectionery Manufacturing Company. Renewed Aug. 20, 1949, to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y., a corporation of New York. CANDIES. Class 46.

260,544. HIGH LIFE. Registered Aug. 27, 1929. Sperry Flour Co., San Francisco, Calif. Renewed Aug. 27, 1949, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

260,554. AD-TYPE. Registered Aug. 27, 1929. Eastman Kodak Company. Renewed Aug. 27, 1949, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. LIGHT-SENSITIVE PHOTOGRAPHIC PAPER. Class 26.

261,295. REPRESENTATION OF TWO COLUMNS SUPPORTING HEAVY BAR. Registered Sept. 17, 1929. Sapolin Co. Inc. Renewed Sept. 17, 1949, to Sapolin Paints Inc., New York, N. Y., a corporation of New York. PAINT PRODUCTS—NAMELY, PAINT ENAMELS, LACQUERS, AND READY-MIXED PAINTS; ETC. Class 16.

261,339. FREART. Registered Sept. 17, 1929. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Sept. 17, 1949. CHALK CRAYON. Class 37.

261,837. SEAL O'CEDAR. Registered Sept. 24, 1929. M. R. Smith Lumber & Shingle Company, Kansas City, Mo. Renewed Sept. 24, 1949, to M. R. Smith Lumber & Shingle Company, Seattle, Wash., a corporation of Missouri. WOOD SHINGLES. Class 12.

261,861. DOUCHENE. Registered Sept. 24, 1929. Morris Drug Co., York, Pa., a corporation of Pennsylvania. Renewed Sept. 24, 1949. DISINFECTANTS. Class 6.

261,926. MERCO. Registered Sept. 24, 1929. Merco Nordstrom Valve Company, San Francisco, Calif. Renewed Sept. 24, 1949, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. PLUGCOCKS. Class 13.

261,968. ROSETTA. Registered Sept. 24, 1929. Elizabeth Arden, Inc. Renewed Sept. 24, 1949, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. COSMETICS—NAMELY, TINTS AND COLORING AGENTS FOR THE SKIN. Class 6.

262,268. "GREEN GOLD" AND DESIGN. Registered Oct. 1, 1929. The Warren Refining & Chemical Company, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 1, 1949. OILS AND GREASES FOR AUTOMOBILE LUBRICATION, CONSISTING OF MOTOR OIL AND CHASSIS LUBRICANT. Class 15.

262,393. "FINE FEATHERS" AND FANCIFUL BIRD DESIGN. Registered Oct. 8, 1929. Miller-Smith Hosiery Mills, Chattanooga, Tenn., a corporation of Tennessee. Renewed Oct. 8, 1949. SILK, COTTON, AND SILK AND COTTON HOSIERY. Class 39.

262,634. WESTERN ROMANCES. Registered Oct. 15, 1929. Dell Publishing Company, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 15, 1949. PERIODICAL. Class 38.

262,732. SHADOW FLASH. Registered Oct. 22, 1929. The Olean Tile Company, Inc., Olean, N. Y., a corporation of New York. Renewed Oct. 22, 1949. FLOORING AND WALL TILES. Class 12.

262,889. "7 TOUCH-UP BLACK" BENEATH THE WORD "DU PONT" IN OVAL DESIGN. Registered Oct. 29, 1929. E. I. Du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed Oct. 29, 1949. PREPARED PAINTS AND PAINT ENAMELS. Class 16.

262,977. "'DÉJALENE'" ETC. ENCLOSED BY RECTANGULAR DESIGN. Registered Oct. 29, 1929. David & John Anderson Limited, Bridgeton, Glasgow, Scotland, a limited liability company registered under the laws of Great Britain. Renewed Oct. 29, 1949. DYED AND MERCERIZED SHIRTINGS AND COLORED WOVEN MERCERIZED SHIRTINGS, BEING COTTON PIECE GOODS, MADE IN SCOTLAND. Class 42.

263,078. "HOLDTU" AND HEAVY UNDERSCORE LINE. Registered Oct. 29, 1929. The American Crayon Company, Sandusky, Ohio, a corporation of Ohio. Renewed Oct. 29, 1949. ADHESIVE PASTE. Class 5.

263,232. LUCKY STRIKE. Registered Nov. 5, 1929. William C. Parrott, doing business as The Parrott Chemical Co., New Hartford, N. Y. Renewed Nov. 5, 1949, to William C. Parrott, doing business as The Parrott Chemical Company, Stamford, Conn. INSECTICIDES AND DISINFECTANTS. Class 6.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 172,822. Registered Sept. 11, 1923. LOUP VALLEY HATCHERY, St. Paul and Cushing, Nebr., a copartnership. Republished by registrant.

LOUP VALLEY HATCHERY

FOR LIVE CHICKENS.
Claims use since Mar. 1, 1919.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 257,079. Registered May 28, 1929. MORTON H. GOLDENBERG, doing business as "Goldenberg's," Washington, D. C. Republished by The Goldenberg Company, Washington, D. C., a corporation of Maryland.

LUXEDO

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 119,925. Registered Dec. 18, 1917. THE STEVENS-WILEY MANFG. CO. INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

REXBLU SWO

PASTE, LIQUID, POWDER, AND SOLID FORMS, OTHER THAN GRIT PASTE SOAPS OR ANY PREPARATIONS WHICH INCLUDE GRIT PASTE SOAPS, FOR LEATHER ARTICLES AND IMITATION LEATHER ARTICLES, WINDSHIELDS AND LENSES FOR AUTOMOBILE LAMPS, ARTICLES OF GLASS, STOVES, METAL PARTS, DRY CLEANERS; CLEANING FLUIDS FOR FABRIC, CLOTH, UPHOLSTERY, LEATHER, AND IMITATION LEATHER, CHEMICAL PREPARATIONS FOR SOFTENING AND CLEANING BRAKE AND TRANSMISSION LININGS AND CLUTCH FACINGS, CHEMICAL PREPARATIONS FOR MAINTAINING TRANSPARENCY OF GLASS; SOAPS IN PASTE, LIQUID, POWDER, OR SOLID FORM; ABRASIVES AND GRINDING COMPOUNDS IN POWDER, LIQUID, AND PASTE FORMS.
Claims use since about Apr. 1, 1920.

Nov. 26, 1949. AUTO TOP POLISH OR DRESSING. Class 4.

264,435. REPRESENTATION OF ARROW LINED FOR RED COLOR ON FRONT FACE OF IMPLEMENT. Registered Nov. 26, 1929. The Pittsburgh Shovel Company, Pittsburgh, Pa. Renewed Nov. 26, 1949, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. SHOVELS, SPADES, AND SCOOPS. Class 23.

Silver Co., Los Angeles, Calif. Renewed Dec. 10, 1949, to Viking Appliance Corporation, South Gate, Calif., a corporation of California. GAS WATER HEATERS. Class 34.

264,843. "SINCLAIR" AND DESIGN LINED FOR GREEN AND RED. Registered Dec. 10, 1929. Sinclair Refining Company, New York, N. Y., a corporation of Maine. Renewed Dec. 10, 1949. GENERAL LUBRICATING OIL FOR HOUSEHOLD PURPOSES. Class 15.

TRADE-MARK REGISTRATIONS CANCELED

329,160. JOHNNY LAUDER'S. Registered Oct. 15, 1935. Milton H. Lees, San Francisco, Calif. WHISKEY. Class 49. Canceled Aug. 12, 1949.

342,056. KRANE KAR. Registered Dec. 29, 1936. Silent Hoist Winch and Crane Co., Brooklyn, N. Y. PORTABLE HOISTS OR CRANES. Class 23. Canceled July 22, 1949.

398,951. STARTLING. Registered Dec .8, 1942. Excitement, Incorporated, Chicago, Ill. PERFUMES. Class 6. Canceled Aug. 24, 1949.

400,149. STIRRING. Registered Feb. 16, 1943. Excitement, Incorporated, Chicago Ill. PERFUMES, COLOGNES, FACE POWDERS, AND LIPSTICKS. Class 6. Canceled Aug. 24, 1949.

411,552. ENTICING. Registered Jan. 23, 1945. Excitement, Incorporated, Chicago, Ill. PERFUMES, COLOGNES, PERFUME STICKS, AND COLOGNE SACHETS. Class 6. Canceled Aug. 24, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

508,734. GENEVA. Registered Apr. 19, 1949. The American Thread Company, New York, N. Y. THREAD. Class 43. Corrected as follows: In the statement, line 11, for the word "therein" read *thereon*.

509,538. "LIGHT CRUST" AND DESIGN. Registered May 10, 1949. Tex-O-Kan Flour Mills Co., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. WHOLE WHEAT FLOUR, CAKE FLOUR, PANCAKE FLOUR, ETC. Class 46. Corrected as follows: In the statement, first column, line 24, after the word "used" insert *and first used*.

Reg. No. 289,062. Registered Nov. 17, 1931. A. SCHILLING & CO., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR BAKING POWDER AND CREAM OF TARTAR.
Claims use since 1881.

Reg. No. 292,974. Registered Apr. 5, 1932. A. SCHILLING & CO., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR BICARBONATE OF SODA, AND FOR FLAVORING SALTS, COMPRISING A BASE OF SODIUM CHLORIDE OR COMMON SALT WITH A VEGETABLE FLAVORING—NAMELY, CELERY SALT, GARLIC SALT, AND ONION SALT.
Claims use since Sept. 1, 1926.

Reg. No. 333,076. Registered Mar. 10, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PRINTACEL

FOR DYESTUFFS.
Claims use since Oct. 4, 1935.

Reg. No. 334,939. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CHROMAVEN

FOR DYESTUFFS.
Claims use since July 12, 1932.

Reg. No. 334,940. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMANIL

FOR DYESTUFFS.
Claims use since May 28, 1932.

Reg. No. 334,941. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMRESIN

FOR DYESTUFFS.
Claims use since Nov. 20, 1934.

Reg. No. 334,942. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMAPLY

FOR DYESTUFFS.
Claims use since Jan. 8, 1934.

Reg. No. 334,943. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMERAN

FOR DYESTUFFS.
Claims use since Feb. 18, 1931.

Reg. No. 334,944. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMANTHRENE

FOR DYESTUFFS.
Claims use since Nov. 11, 1931.

Reg. No. 335,034. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMALITE

FOR WETTING OUT AGENTS (SURFACE TENSION DEPRESSANTS).
Claims use since Jan. 6, 1934.

Reg. No. 335,085. Registered May 19, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMACID

FOR DYESTUFFS.
Claims use since Nov. 30, 1931.

Reg. No. 335,589. Registered June 9, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "New York U S A" are disclaimed apart from the mark as shown.
FOR DYESTUFFS FOR TEXTILES, RESINS, OILS, FOODS, AND GENERAL INDUSTRIAL USES.
Claims use since Dec. 31, 1918.

Reg. No. 339,038. Registered Sept. 22, 1936. GEORGE L. ARMOUR, New York, N. Y. Republished by registrant.



FOR CHEMICAL COLOR INDICATORS TO BE USED FOR THE IDENTIFICATION OF HYDROCARBON DISTILLATES.
Claims use since Dec. 11, 1935.

Reg. No. 339,497. Registered Oct. 18, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMAPRO

FOR DYESTUFFS.
Claims use since Oct. 19, 1931.

Reg. No. 339,498. Registered Oct. 13, 1936. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMARINE

FOR WETTING OUT AGENTS (SURFACE TENSION DEPRESSANTS).
Claims use since Feb. 28, 1934.

Reg. No. 343,796. Registered Mar. 9, 1937. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DIAZOCEL

FOR ORGANIC DYESTUFFS FOR USE IN DYEING CELANESE AND ACETATE SILKS.
Claims use since Oct. 4, 1935.

Reg. No. 346,724. Registered June 8, 1937. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMASOL

FOR DYESTUFFS FOR COTTON, REAL SILK, REGENERATED CELLULOSE AND VISCOSE.
Claims use since July 8, 1936.

Reg. No. 369,565. Registered Aug. 1, 1939. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AQUAFOE

FOR WATERPROOFING AND WATER-REPELLING AGENTS FOR TEXTILES AND FABRICS.
Claims use since Oct. 12, 1937.

Reg. No. 383,216. Registered Nov. 26, 1940. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMAFIX

FOR FINISHING CHEMICAL COMPOUNDS FOR TEXTILES.
Claims use since June 25, 1940.

Reg. No. 393,208. Registered Jan. 27, 1942. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SOLUBON

THE CONNECTING LINK

The words "Connecting Link" are disclaimed apart from the mark as shown.
FOR TEXTILE DYEING ASSISTANTS AND ASSISTANTS IN THE DEVELOPING OF ACETATE DEVELOPED BLACKS.
Claims use since July 30, 1941.

LUXEDO

FOR TRUNKS, TRAVELERS' HAND BAGS, AND SUIT CASES.
Claims use since Sept. 20, 1928.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 222,617. Registered Jan. 4, 1927. THE R. M. HOLLINGSHEAD CO., Camden, N. J. Republished by R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey.



The word "Whiz" is in white letters and the lining on the drawing represents the colors yellow, red, and blue.
FOR CLEANING AND POLISHING MATERIALS IN THE NATURE OF SOAP.



FOR BLEACHING, BLUING, AND STARCHING AGENT IN CAKE FORM FOR USE IN WASHING CLOTHES.
Claims use since July 10, 1915.

Reg. No. 262,868. Registered Oct. 29, 1929. DUREX PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LACTIKOL

FOR ANTISEPTICS.
Claims use since March 1928.

Reg. No. 263,058. Registered Oct. 29, 1929. CHESTER E. WALTON, Inglewood, Calif. Republished by Shulton, Inc., New York, N. Y., and Clifton, N. J., a corporation of New Jersey.

Desert Flower

FOR ASTRINGENTS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, HAND LOTIONS, SKIN LOTIONS, FACE POWDERS, TALCUM POWDERS, SACHETS, BATH SALTS, SMELLING SALTS, LIP STICKS, DEODORANTS, PERFUMES, AND TOILET WATERS.
Claims use since Mar. 12, 1929.

Reg. No. 394,528. Registered Apr. 14, 1942. BEAR DRUG COMPANY, Shawnee, Okla., a corporation of Oklahoma. Republished by registrant.



FOR PRESCRIPTIONS AND PHARMACEUTICALS—NAMELY, GLYCERINE, CASTOR OIL, FLUID EXTRACT OF CASCARA SAGRADA, WITCH HAZEL, BAY RUM, TINCTURE OF IODINE, POWDERED SACCHARINE, TANNIC ACID, ZINC OXIDE, CALCIUM CARBONATE, POWDERED CALOMEL, ASPIRIN TABLETS, BILE SALTS TABLETS, METHYLENE BLUE TABLETS, DIURETIC COMPOUND PILLS, LAXATIVE COLD TABLETS, MINERAL OIL, MILK OF MAGNESIA, IRON, QUININE AND STRYCHNINE PHOSPHATES, SYRUP OF HYPOPHOSPHITES.
Claims use since on or about Aug. 30, 1935.

Reg. No. 414,770. Registered June 26, 1945. HAPPY DAY COMPANY, INC., Lafayette, La., a corporation of Louisiana. Republished by registrant.

DIXIE DEW

FOR COUGH SYRUP.
Claims use since July 1943.

Reg. No. 417,228. Registered Oct. 16, 1945. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BONASOL

FOR DEVELOPERS AND TEXTILE DYEING ASSISTANTS.
Claims use since Mar. 27, 1945.

Reg. No. 422,298. Registered July 16, 1946. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RAYONTHRENE

FOR VAT DYES HAVING PARTICULAR VALUE FOR PRINTING RAYONS.
Claims use since Dec. 15, 1944.

Reg. No. 422,932. Registered Aug. 20, 1946. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMINOGEN

FOR DYESTUFFS.
Claims use since Jan. 19, 1945.

Reg. No. 423,085. Registered Aug. 20, 1946. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMALAN

FOR METALIZED AND CHROMIFEROUS DYESTUFFS.
Claims use since Dec. 26, 1945.

Reg. No. 434,411. Registered Nov. 18, 1947. BOYCE CHEMICAL COMPANY, Carlton Hill, N. J., a corporation of New Jersey. Republished by registrant.

ZIPOLITE

FOR WETTING OUT AGENT USED IN TEXTILE PROCESSING.
Claims use since Oct. 24, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 266,770. Registered Feb. 4, 1930. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.



The words "Moves Proportionately to Rate of Flow" are disclaimed apart from the mark as shown.
FOR AIR-RELEASE VALVES, VACUUM VALVES, RATE-OF-FLOW CONTROLLERS, AUTOMATIC SHUT-OFF CONTROLLERS, FILTER-WASH-RATE CONTROLLERS, SPECIAL FLOW CONTROLLERS, CONTROL DEVICES FOR PRESSURE FILTER UNITS.
Claims use since July 26, 1928.

Reg. No. 409,532. Registered Oct. 10, 1944. CHICAGO FORGING & MANUFACTURING CO., Chicago, Ill. Republished by Chicago Forging and Manufacturing Company Chicago, Ill., a corporation of Delaware.

Scalastic

FOR METAL TUBE FITTINGS.
Claims use since Feb. 28, 1944.

CLASS 15

OILS AND GREASES

Reg. No. 339,037. Registered Sept. 22, 1936. GEORGE L. ARMOUR, New York, N. Y. Republished by registrant.

ARMORIZED

FOR GASOLINE CONTAINING A COLOR INDICATOR.
Claims use since Dec. 11, 1935.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 90,346. Registered Feb. 18, 1913. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

EDELVICE

FOR ENAMEL PAINT.
Claims use since Oct. 23, 1912.

Reg. No. 91,774. Registered May 27, 1913. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FLOORSTONA

FOR VARNISH.
Claims use since Dec. 3, 1912.

Reg. No. 109,539. Registered Apr. 11, 1916. KEYSTONE VARNISH COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MULTOPROOF

FOR VARNISH.
Claims use since about Feb. 15, 1915.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 156,704. Registered July 11, 1922. THE MASTER ELECTRIC COMPANY, Dayton, Ohio., a corporation of Ohio. Republished by registrant.



The words "Dayton, Ohio" are disclaimed apart from the mark as shown.
FOR ELECTRIC MOTORS AND PARTS THEREOF, SHORT CIRCUITS, CENTRIFUGALLY OPERATED ELECTRIC CUT-OUTS.
Claims use since about May 1, 1920.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 194,821. Registered Feb. 10, 1925. OLOF A. NORLUND, doing business as O. A. Norlund Co., Williamsport, Pa. Republished by O. A. Norlund Company, Inc., Williamsport, Pa., a corporation of Pennsylvania.

LION

FOR FISH GAFFS.
Claims use since Jan. 1, 1902.

Reg. No. 354,164. Registered Feb. 1, 1938. GENERAL SPORTS, INC., Chicago, Ill. Republished by Wilson Sporting Goods Co., Chicago, Ill., a corporation of Delaware.

K-28

FOR GOLF BALLS.
Claims use since Sept. 30, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 67,688. Registered Feb. 11, 1908. AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

ORIGINAL. TRADE B MARK BATCHELLER & SONS.

FOR AGRICULTURAL FORKS, RAKES, AND HOES.
Claims use since Nov. 11, 1894.

Reg. No. 67,882. Registered Feb. 25, 1908. WITHINGTON & COOLEY MANUFACTURING COMPANY, Jackson, Mich. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

WARREN

FOR HOES.
Claims use since 1883.

Reg. No. 68,157. Registered Mar. 10, 1908. WITHINGTON & COOLEY MANUFACTURING COMPANY, Jackson, Mich. Republished by The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio.

ACME

FOR AGRICULTURAL AND SIMILAR FORKS AND HOES.
Claims use since Dec. 1, 1883.

Reg. No. 262,329. Registered Oct. 8, 1929. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich. Republished by Eureka Williams Company, Bloomington, Ill., a corporation of Michigan.

SANITOR

FOR INSECTICIDE DISTRIBUTORS IN THE NATURE OF ATTACHMENTS FOR USE IN CONNECTION WITH VACUUM CLEANERS.
Claims use since about Apr. 10, 1929.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 359,445. Registered Aug. 23, 1938. ONE MINUTE WASHER COMPANY, Newton, Iowa. Republished by Midwest Metal Stamping Company, Kellogg, Iowa, a corporation of Iowa.

ONE MINUTE

FOR WASHING MACHINES AND PARTS THEREOF.
Claims use since 1905.

CLASS 25

LOCKS AND SAFES

Reg. No. 416,655. Registered Sept. 25, 1945. EMANUEL H. WHITE, Chicago, Ill. Republished by Wonder Lock Co., Chicago, Ill., a corporation of Illinois.

WONDER LOCK

The word "Lock" is disclaimed apart from the mark as shown.
FOR ATTACHABLE AND ADJUSTABLE ALL-PURPOSE TYPE LOCKS.
Claims use since June 28, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 378,895. Registered June 25, 1940. LAWRENCE ENGINEERING SERVICE, Peru, Ind. Republished by Wm. R. Whittaker Co., Ltd., Los Angeles, Calif., a corporation of California.

PIXIE

FOR CAMERAS.
Claims use since Mar. 20, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 361,436. Registered Oct. 18, 1938. ZELL BROTHERS INC., Portland, Oreg. Republished by Zell Bros., Portland, Oreg., a firm.

"TURTLE"

FOR WATCHES.
Claims use since Feb. 14, 1938.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 247,949. Registered Oct. 9, 1928. ONEIDA COMMUNITY LIMITED, Oneida, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

ENCHANTMENT

FOR SILVERPLATED FLATWARE, HOLLOW WARE, AND CUTLERY.
Claims use since Mar. 3, 1928.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 351,320. Registered Oct. 26, 1937. HALL HARDWARE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

SUPER-KLEAN

The word "Klean" is disclaimed apart from the mark as shown.
FOR POLISHING AND DUSTING MOPS.
Claims use since July 1, 1934.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 255,628. Registered Apr. 30, 1929. MORTON H. GOLDENBERG, doing business as "Goldenberg's," Washington, D. C. Republished by The Goldenberg Company, Washington, D. C., a corporation of Maryland.

LUXEDO

FOR PILLOWS AND WINDOW SHADES.
Claims use since Sept. 20, 1928.

Reg. No. 373,760. Registered Dec. 19, 1939. CLENSCO BEDDING CO., San Francisco, Calif. Republished by Specialty Manufacturing Company, San Francisco, Calif., a copartnership.

SUPREME REST

FOR MATTRESSES.
Claims use since Feb. 1, 1930.

Reg. No. 381,022. Registered Sept. 10, 1940. ALL-STEEL EQUIP COMPANY, Aurora, Ill. Republished by All-Steel Equipment Inc., Aurora, Ill., a corporation of Illinois.

DS

FOR METAL FILING CASES, STORAGE BOXES.
Claims use since Mar. 25, 1940.

Reg. No. 391,256. Registered Oct. 28, 1941. SLEEPMASTER PRODUCTS COMPANY, Newark, N. J. Republished by Sleepmaster Products Company, Inc., Newark, N. J., a corporation of New Jersey.

Quiltmaster

FOR MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND PILLOWS.
Claims use since July 18, 1936.

CLASS 37

PAPER AND STATIONERY

Reg. No. 224,596. Registered Mar. 1, 1927. THE COOKE & COBB COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

"KRAFTALL"

FOR FILES FOR CORRESPONDENCE AND PAPERS.
Claims use since Oct. 23, 1926.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 118,132. Registered Aug. 21, 1917. AMERICAN AUTOMOBILE ASSOCIATION PUBLISHING COMPANY, New York, N. Y., and Washington, D. C. Republished by American Automobile Association, Washington, D. C., a corporation of Connecticut.

AMERICAN MOTORIST

FOR MONTHLY MAGAZINE.
Claims use since Apr. 1, 1909.

Reg. No. 150,871. Registered Jan. 3, 1922. FONTAINE FOX, New York, N. Y. Republished by registrant, present address Greenwich, Conn.

The Powerful Katrinka

FOR SERIES OF CARTOONS.
Claims use since Dec. 17, 1915.

Reg. No. 155,189. Registered May 23, 1922. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., and New York, N. Y., a corporation of Connecticut. Republished by registrant, present address, Washington, D. C.



FOR PRINTED MAPS, PAMPHLETS PRINTED FROM TIME TO TIME, AND PRINTED BOOKS PUBLISHED ANNUALLY AND ALSO FROM TIME TO TIME.
Claims use since Jan. 11, 1910.

Reg. No. 259,931. Registered Aug. 13, 1929. HOUSE FURNISHING REVIEW COMPANY, New York, N. Y. Republished by Haire Publishing Company, New York, N. Y., a corporation of New York.

HOUSE FURNISHING REVIEW

FOR MAGAZINE.
Claims use since on or about July 1892.

Reg. No. 329,270. Registered Oct. 22, 1935. SCHOOL MANAGEMENT, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SCHOOL MANAGEMENT

FOR MONTHLY MAGAZINE, LIMITED AT PRESENT TO TEN ISSUES PER ANNUM.
Claims use since March 1932.

Reg. No. 349,350. Registered Aug. 24, 1937. THE PARENTS' INSTITUTE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PARENTS' MAGAZINE

FOR MONTHLY PUBLICATION.
Claims use since the month of December 1935.

Reg. No. 370,271. Registered Aug. 22, 1939. THE PARENTS' INSTITUTE, INC., New York, N. Y. Republished by Baby Care Manual, Inc., New York, N. Y., a corporation of New York.

BABY CARE MANUAL

FOR MONTHLY PUBLICATION.
Claims use since Mar. 1, 1939.

Reg. No. 380,672. Registered Aug. 27, 1940. GOLF AND LAWN SUPPLY CORPORATION, Scarsdale, N. Y., a corporation of New York. Republished by registrant, present address White Plains, N. Y.

BLADES OF GRASS

FOR PERIODICAL PUBLICATION IN THE NATURE OF A HOUSE ORGAN.
Claims use since January 1940.

CLASS 39

CLOTHING

Reg. No. 106,644. Registered Oct. 26, 1915. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR SHIRTS, DRAWERS, AND UNION SUITS MADE OF TEXTILE MATERIAL.
Claims use since June 16, 1915.

Reg. No. 119,226. Registered Nov. 6, 1917. JOHN S. BROWN & SONS LIMITED, Belfast, Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address Belfast, Northern Ireland.



FOR COTTON PLAIN AND FIGURED DAMASK CLOTHS, NAPKINS, TOWELS, SHEETS, PILLOW CASES, BEDSPREADS, AND HANDKERCHIEFS.
Claims use since Jan. 9, 1917.

Reg. No. 189,514. Registered Sept. 23, 1924. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

KNOWN AS THE BEST

THE BEST KNOWN

FOR OUTER SHIRTS, DRESS SHIRTS, COLLARS, PYJAMAS.
Claims use since about 1890.

Reg. No. 221,071. Registered Nov. 23, 1926. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANSCO

FOR TEXTILE UNDERWEAR FOR MEN—NAMELY, SHIRTS, DRAWERS, AND UNION SUITS.
Claims use since June 16, 1915.

Reg. No. 248,679. Registered Oct. 30, 1928. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

WHIZEE

FOR OVERALLS AND ONE-PIECE WORK AND PLAY SUITS.
Claims use since July 1927.

Reg. No. 250,336. Registered Dec. 4, 1928. COHEN & WILKS, LIMITED, Cheetham, England, a limited liability company organised under the laws of Great Britain and Northern Ireland. Republished by registrant.



FOR LADIES' AND GENTS' RAIN-PROOF COATS, TOP COATS, AND TOPCOATS LINED WITH A COATING OF RUBBER; ALSO MEN'S AND YOUTHS' SUITS, AND SPORTS CLOTHING—NAMELY, FLANNEL TROUSERS, FLANNEL SUITS, BLAZERS, AND PLUS-FOUR SUITS; ALSO EVENING DRESS SUITS.
Claims use since Nov. 19, 1927.

Reg. No. 253,957. Registered Mar. 12, 1929. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address St. Louis, Mo.

PARK LANE

FOR HOSIERY.
Claims use since Sept. 20, 1928.

Reg. No. 256,424. Registered May 14, 1929. GOLDENBERG'S, Washington, D. C. Republished by The Goldenberg Company, Washington, D. C., a corporation of Maryland.

LUXEDO

FOR HOSIERY.
Claims use since Jan. 10, 1928.

Reg. No. 261,749. Registered Sept. 24, 1929. THE PIQUA HOSIERY CO., Piqua, Ohio. Republished by The Atlas Underwear Company, Piqua, Ohio, a corporation of Ohio.

P-Q-A'S DASH
THE CHAMPIONS SWIMMING SUIT

The words "Swimming Suit" are disclaimed apart from the mark as shown.
FOR BATHING SUITS.
Claims use since Apr. 15, 1929.

Reg. No. 267,631. Registered Feb. 25, 1930. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

TURF

FOR MEN'S OUTER SHIRTS FOR SPORT WEAR.
Claims use since Aug. 12, 1929.

Reg. No. 278,629. Registered Dec. 23, 1930. THOMAS POSNER & BRO., New York, N. Y. Republished by Security Fashions, Inc., New York, N. Y., a corporation of New York.

JUNIOR-CRAFT
FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
FOR LADIES' AND JUNIORS' FROCKS, GOWNS, AND DRESSES.
Claims use since Jan. 1, 1927.

Reg. No. 298,369. Registered Oct. 25, 1932. RODES-RAPIER CO., INC., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Hadley Hall

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since September 1931.

Reg. No. 327,472. Registered Aug. 27, 1935. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANLYN

FOR HANDKERCHIEFS.
Claims use since March 1935.

Reg. No. 348,418. Registered July 27, 1937. CHESTERFIELD HAT CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



The word "Paris" is disclaimed apart from the mark as shown.
FOR LADIES' HATS.
Claims use since Nov. 4, 1936.

Reg. No. 356,129. Registered Apr. 12, 1938. MODERN MANUFACTURING CO., INC., New York, N. Y. Republished by Modern Manufacturing Co. Inc., New York, N. Y., a corporation of New York.



The term "A-Just-Rite" is disclaimed apart from the mark as shown.
FOR COTTON FROCKS FOR WOMEN, MISSES, AND CHILDREN.
Claims use since Apr. 1, 1937.

Reg. No. 407,233. Registered May 23, 1944. AVON SHOE CO. INC., New York, N. Y., a corporation of New Jersey. Republished by registrant.

Panetté

FOR LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS, AND COMBINATIONS THEREOF.
Claims use since March 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 119,226. Registered Nov. 6, 1917. JOHN S. BROWN & SONS LIMITED, Belfast, Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address Belfast, Northern Ireland.



FOR COTTON PLAIN AND FIGURED DAMASK CLOTHS, NAPKINS, TOWELS, SHEETS, PILLOW CASES, BEDSPREADS, AND HANDKERCHIEFS.
Claims use since Jan. 9, 1917.

Reg. No. 348,481. Registered July 27, 1937. BLISS, FABYAN & CO., INC., New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

SPUNRAY

FOR SPUN SYNTHETIC FIBER PIECE GOODS.
Claims use since Feb. 24, 1937.

Reg. No. 426,297. Registered Dec. 24, 1946. MARTIN WEINER, New York, N. Y. Republished by registrant.

ny-Time

FOR PIECE GOODS—TO WIT, RAYON AND NYLON PIECE GOODS.
Claims use since Aug. 1, 1945.

Reg. No. 442,702. Registered May 17, 1949. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

Plastolyn

FOR PLASTIC COATED TEXTILE FABRICS OF COTTON, NYLON, RAYON, GLASS, SOLD BY THE PIECE, AND IN CUT LENGTHS FOR TABLE COVERINGS.
Claims use since June 1, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 164,168. Registered Feb. 13, 1923. NUGRAPE COMPANY OF AMERICA, Atlanta, Ga. Republished by National NuGrape Company, Atlanta, Ga., a corporation of Georgia.

NuGrape

The words "A Flavor You Can't Forget" are disclaimed apart from the mark as shown.
FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS THEREFOR.
Claims use since Jan. 1, 1921.

Reg. No. 255,642. Registered Apr. 30, 1929. THE MOXIE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.



FOR NONALCOHOLIC, MALTLESS CARBONATED BEVERAGE.
Claims use since 1885.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 65,801. Registered Oct. 22, 1907. CARROLL, BROUGH & ROBINSON, Oklahoma City, Okla. Republished by The Fleming Co., Incorporated, Topeka, Kans., a corporation of Kansas.

FIRST PICK



FOR CANNED AND DRIED FRUITS AND BERRIES, PRUNES, RAISINS, CITRON, ORANGE-PEEL, LEMON-PEEL, CANNED VEGETABLES, KRAUT, CANNED HOMINY, SPICES, MUSTARD, FLAVORING EXTRACTS, MINCEMEAT, PICKLES, CATSUP, AND VINEGAR.
Claims use since Jan. 1, 1903.

Reg. No. 87,635. Registered July 30, 1912. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif., a corporation of California. Republished by registrant.

EXPOSITION

FOR LEMONS.
Claims use since Aug. 7, 1911.

Reg. No. 124,957. Registered Apr. 1, 1919. THE CONTADINA CANNING CO., San Jose, Calif., and Chicago, Ill. Republished by Hershel California Fruit Products Co., San Jose, Calif., a corporation of Illinois.

CONTADINA

FOR CANNED TOMATO SAUCE.
Claims use since Mar. 15, 1918.

Reg. No. 156,946. Registered July 18, 1922. LORENZO ZERILLO, Healdsburg, Calif. Republished by Riverbank Canning Company, Riverbank, Calif., a corporation of California.

DIANA

FOR FRESH DECIDUOUS FRUITS, DRIED FRUITS, AND GRAPE SIRUP FOR FOOD PURPOSES.
Claims use since 1913.

Reg. No. 204,429. Registered Oct. 20, 1925. C. S. CRARY COMPANY, Streator, Ill. Republished by Streator Canning Company, Streator, Ill., a corporation of Illinois.

SWEETHEART

FOR CANNED VEGETABLES, CANNED FRUITS, CONDIMENTS — NAMELY, WORCESTERSHIRE SAUCE AND PICKLES.
Claims use since Apr. 1, 1907.

Reg. No. 230,543. Registered July 26, 1927. REDLANDS ORANGE GROWERS' ASSOCIATION, Redlands, Calif. Republished by Redlands Orange Growers Association (1934), Redlands, Calif., a corporation of California.

ROSE

FOR FRESH ORANGES.
Claims use since December 1890.

Reg. No. 233,754. Registered Oct. 11, 1927. THE CREAMETTE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Creamette

FOR TEA AND COFFEE.
Claims use since Mar. 1, 1924.

Reg. No. 244,189. Registered July 17, 1928. LIMONEIRA COMPANY, Santa Paula, Calif., a corporation of California. Republished by registrant.

PAULA

FOR FRESH CITROUS FRUIT—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 2, 1908.

Reg. No. 251,265. Registered Jan. 1, 1929. WILLIAMSON CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Oh!-Oh!

FOR CANDY.
Claims use since June 20, 1928.

Reg. No. 254,517. Registered Mar. 26, 1929. YUMA MESA FRUIT GROWERS ASSOCIATION, Yuma, Ariz., a corporation of Arizona. Republished by registrant.

YUMA MESA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Sept. 1, 1928.

Reg. No. 256,029. Registered May 7, 1929. FLORASYNTH LABORATORIES, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SYNTHAROME

FOR IMITATION FLAVORS AND SYNTHETIC ISOLATE OR BLEND THEREOF FOR FLAVORING PURPOSES FOR FOOD PURPOSES.
Claims use since 1918.

Reg. No. 261,493. Registered Sept. 17, 1929. SPARTA CANNING CO., Sparta, Wis. Republished by Mammoth Spring Canning Company, Sussex, Wis., a corporation of Wisconsin.

GREEN GOLD

FOR CANNED VEGETABLES.
Claims use since Sept. 22, 1925.

Reg. No. 262,211. Registered Oct. 1, 1929. SAN FERNANDO FRUIT GROWERS ASSOCIATION, San Fernando, Calif., a corporation of California. Republished by registrant.

San Fernando Rey

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1899.

Reg. No. 280,856. Registered Mar. 3, 1931. ROSENBERG & GALLANT, Bronx, N. Y. Republished by R. & G. Distributors, Inc., New York, N. Y., a corporation of New York.

R & G

FOR CANNED FISH.
Claims use since July 1, 1930.

Reg. No. 289,062. Registered Nov. 17, 1931. A. SCHILLING & CO., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR BAKING POWDER AND CREAM OF TARTAR.
Claims use since 1881.

Reg. No. 292,974. Registered Apr. 5, 1932. A. SCHILLING & CO., San Francisco, Calif. Republished by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland, also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated.

Schilling

FOR BICARBONATE OF SODA, AND FOR FLAVORING SALTS, COMPRISING A BASE OF SODIUM CHLORIDE OR COMMON SALT WITH A VEGETABLE FLAVORING—NAMELY, CELERY SALT, GARLIC SALT, AND ONION SALT.
Claims use since Sept. 1, 1926.

Reg. No. 293,281. Registered Apr. 19, 1932. ROSENBERG & GALLANT, Bronx, N. Y. Republished by R. & G. Distributors, Inc., New York, N. Y., a corporation of New York.

MOISHA'S

FOR CANNED FISH.
Claims use since July 1, 1930.

Reg. No. 295,004. Registered June 14, 1932. DIPLOMAT PRODUCTS, INC., New York, N. Y. Republished by Diplomat Products, Inc., North Bergen, N. J., a corporation of New York.

DIPLOMAT

FOR CHICKEN CREAM OF POTATO SOUP, OLD FASHIONED CHICKEN FRICASEE, CHICKEN LIVER PATE WITH MUSHROOMS, SANDWICH CHICKEN, PLUM PUDDING, CHICKEN SALAD, DEVILED CHICKEN, WELSH RAREBIT, BONED CHICKEN, CHICKEN CREAM OF CELERY SOUP, CHICKEN AND EGG NOODLE DINNER, CHICKEN CREAM OF TOMATO SOUP, CHICKEN INVALID BROTH, CHICKEN NOODLE SOUP, CHICKEN CREAM OF ASPARAGUS SOUP, CHICKEN BROTH WITH RICE, CHICKEN CHOP SUEY, PRESSED CHICKEN, CHICKEN A LA KING, CHICKEN TOMATO SOUP WITH RICE, CHICKEN PEPPER POT, CHICKEN VEGETABLE SOUP, CHICKEN CREAM OF PEA SOUP, CHICKEN CREAM OF MUSHROOM SOUP, CLAM CHOWDER, CHICKEN CREAM OF ONION SOUP, CHICKEN CREAM OF SPINACH SOUP, CHICKEN OKRA SOUP, CHICKEN BROTH, CORNED BEEF HASH, CHICKEN LIVERS.
Claims use since Jan. 1, 1921.

Reg. No. 295,068. Registered June 14, 1932. DIPLOMAT PRODUCTS, INC., New York, N. Y. Republished by Diplomat Products, Inc., North Bergen, N. J., a corporation of New York.



The drawing is lined for red and green.
FOR CHICKEN CREAM OF POTATO SOUP, OLD FASHIONED CHICKEN FRICASEE, CHICKEN LIVER PATE WITH MUSHROOMS, SANDWICH CHICKEN, PLUM PUDDING, CHICKEN SALAD, DEVILED CHICKEN, WELSH RAREBIT, BONED CHICKEN, CHICKEN CREAM OF CELERY SOUP, CHICKEN AND EGG NOODLE DINNER, CHICKEN CREAM OF TOMATO SOUP, CHICKEN INVALID BROTH, CHICKEN NOODLE SOUP, CHICKEN CREAM OF ASPARAGUS SOUP, CHICKEN BROTH WITH RICE, CHICKEN CHOP SUEY, PRESSED CHICKEN, CHICKEN A LA KING, CHICKEN TOMATO SOUP WITH RICE, CHICKEN PEPPER POT, CHICKEN VEGETABLE SOUP, CHICKEN CREAM OF PEA SOUP, CHICKEN CREAM OF MUSHROOM SOUP, CLAM CHOWDER, CHICKEN CREAM OF ONION SOUP, CHICKEN CREAM OF SPINACH SOUP, CHICKEN OKRA SOUP, CHICKEN BROTH, CORNED BEEF HASH, CHICKEN LIVERS.
Claims use since Jan. 1, 1921.

Reg. No. 324,896. Registered June 4, 1935. D'ARRIGO BROS. CO., San Jose, Calif. Republished by D'Arrigo Bros. Co. of California, San Jose, Calif., a corporation of California.



The representation of the label is disclaimed apart from the mark as shown. The drawing is lined for pink.
FOR FRESH VEGETABLES—NAMELY, BROCCOLI, FINOCCHIO, MUSTARD GREENS, AND CELERY.
Claims use since July 1, 1928.

Reg. No. 328,386. Registered Sept. 24, 1935. GRESHAM BERRY GROWERS, Gresham, Oreg., a corporation of Oregon. Republished by registrant.

CHIEF MULTNOMAH

FOR CANNED FRUITS.
Claims use since April 1934.

Reg. No. 328,777. Registered Oct. 8, 1935. PACIFIC PRODUCE DISTRIBUTORS INC., San Jose, Calif., a corporation of California. Republished by registrant.

BOTTOMS UP

FOR FRESH VEGETABLES.
Claims use since Aug. 30, 1934.

Reg. No. 329,835. Registered Nov. 12, 1935. BAKON-YEAST, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BAKON YEAST

The word "Yeast" is disclaimed apart from the mark as shown.
FOR PREPARED POWDERED YEAST.
Claims use since October 1933.

Reg. No. 340,001. Registered Oct. 27, 1936. HERSHEL CALIFORNIA FRUIT PRODUCTS CO., Chicago, Ill., and San Jose, Calif., a corporation of Illinois. Republished by registrant, present address San Jose, Calif.

CONTADINA

FOR TOMATO PASTE.
Claims use since Aug. 3, 1920.

Reg. No. 355,785. Registered Mar. 29, 1938. WAPLES-PLATTER COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

WAPLES-PLATTER

FOR CANNED FRUITS, VEGETABLES, SOUPS, AND MEATS AS FOLLOWS: VEAL LOAF, VIENNA SAUSAGE, POTTED MEAT, AND CORNED BEEF, CANNED BABY FOODS, BOTTLED FRUITS, VEGETABLES, AND MEATS AS FOLLOWS: VIENNA SAUSAGE AND SLICED BEEF, SPICES, JELLIES, JAMS, FRUIT PRESERVES, MINCE MEAT, VINEGAR, MAYONNAISE, 1000 ISLAND DRESSING, CATSUP, HOMINY, HONEY, EVAPORATED MILK, OLIVE OIL, OLIVES, PEANUT BUTTER, CANNED SALMON, CANNED SHRIMP, CANNED TUNA FISH, CANNED OYSTERS, SPAGHETTI, TABLE SYRUP, COFFEE, BRAN FLAKES, COCOANUT, GELATINE DESSERTS, MARSHMALLOWS, RAISINS, FOOD FLAVORING EXTRACTS, CORN FLAKES, SALT, TEA, AND ORANGE, MARMALADE.
Claims use since 1872.

Reg. No. 361,616. Registered Oct. 25, 1938. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.



FOR FARINA.
Claims use since Sept. 6, 1934.

Reg. No. 419,471. Registered Feb. 19, 1946. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant.

RICOCO

FOR CHOCOLATE FLAVORING SYRUP FOR FOOD PRODUCTS.
Claims use since 1925.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 304,778. Registered July 18, 1933. WALTER C. BRAUN, San Francisco, Calif. Republished by General Brewing Corporation, San Francisco, Calif., a corporation of California, now by change of name to Lucky Lager Brewing Company, a corporation of California.

Lucky Lager
"Here's Luck!"

The word "Lager" is disclaimed apart from the mark as shown.
FOR MALT BEVERAGE WITH NOT MORE THAN THE LEGAL CONTENT OF ALCOHOL.
Claims use since Jan. 18, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 328,089. Registered Sept. 17, 1935. PENNSYLVANIA DISTILLING COMPANY, INC., doing business as Pennsylvania Distillery, Inc., Logansport, Pa., and Brooklyn, N. Y. Republished by Logansport Distilling Company, Inc., Schenley, Schaefferstown, and Logansport, Pa., and New York, N. Y., a corporation of Pennsylvania, assignor to Joseph S. Finch and Company, a corporation of Pennsylvania.

Mayfair

FOR WHISKEY.
Claims use since 1928.

REISSUES

SEPTEMBER 27, 1949

23,152

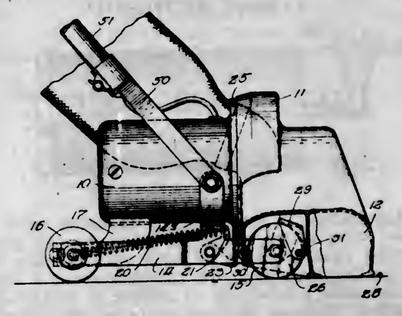
HOUSEHOLD VACUUM CLEANER HAVING AUTOMATIC NOZZLE ADJUSTMENT MEANS

Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois

Original No. 2,055,734, dated September 29, 1936, Serial No. 55,669, December 21, 1935. Application for reissue February 13, 1948, Serial No. 8,137

16 Claims. (Cl. 15—358)

1. A household type suction cleaner for cleaning rugs and carpets and the like comprising a carriage including at least two wheels located at the rear thereof, an electric motor carried on said carriage, a nozzle mounted on the front of the carriage having a transverse open mouth, said nozzle being of a shape and size to position a rotary brush operatively connected to said motor and mounted within said mouth parallel with the floor and transverse to the carriage, said nozzle being vertically movable with respect to said carriage, and means for supporting the nozzle with said brush in position for contact with the material being cleaned through said open mouth of the nozzle, said supporting means including a member having a relatively large supporting surface relative to the weight supported thereby in order to ride substantially but not wholly on the surface of the material being cleaned regardless of the character of said material, said supporting member being located between said carriage wheels and the nozzle and amplifying vertical movement of the nozzle with



respect to vertical movement of said supporting member relative to said wheels, and said carriage wheels being relatively small compared to the weight supported thereby, whereby they sink comparatively far into the carpet as compared to the supporting means.

PLANT PATENTS

GRANTED SEPTEMBER 27, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

876

CARNATION PLANT

Montagu Charles Allwood, Sussex, England, assignor to Charles H. Totty Co., Inc., Madison, N. J.

Application July 21, 1948, Serial No. 39,852

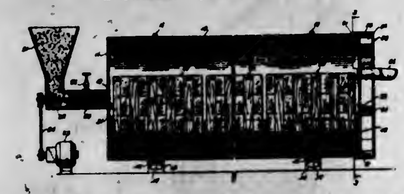
1 Claim. (Cl. 47—60)

The new and distinct variety of carnation plant, substantially as herein shown and described, characterized particularly by its freedom of growth; its quick and prolific production of large flowers, the very large size, symmetrical, full-bodied form, good substance, and excellent keeping qualities of its flowers; the broad non-splitting calyx with exceedingly resilient claws; and the intense clove fragrance—both of the latter qualities being particularly unusual for so large a carnation flower.

PATENTS

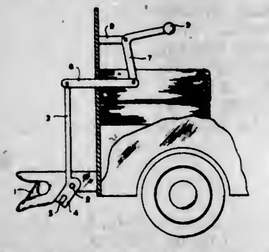
GRANTED SEPTEMBER 27, 1949

2,482,740
ROLLER AND DRUM MILL FOR FLAKING MICA
Potter Maclay Brown, Jr., Richmond, Va., assignor to Richmond Mica Company, Richmond, Va.
Application August 25, 1944, Serial No. 551,248
1 Claim. (Cl. 241—171)



Apparatus for continuously reducing mica to flake form which comprises an elongated drum having closure heads at both ends, means for supporting the drum for rotation about a horizontal axis, a plurality of rollers in end-to-end relation disposed longitudinally of the interior of the drum, said rollers being larger in diameter than the internal radius of the drum and the length of the rollers approximating their diameters, each roller including a plurality of layers of wood placed side-by-side lengthwise of the roller, each layer consisting of a plurality of parallel sections having their opposite ends exposed at the periphery of the roller, the sections of one layer being at right angles to the sections of the next layer whereby the exposed face grain of the outer sections of one layer are aside of the exposed end grain of the central sections of the next adjacent layer, one of said heads having an opening therethrough for the admission of lump mica to the drum interior, and the other head having an opening therethrough for the escape of flaked mica from the drum after having been acted upon by the rollers.

2,482,741
SAFETY COUPLING
Leslie C. Carmichael, Lexington, Ky.
Application May 3, 1946, Serial No. 666,932
1 Claim. (Cl. 280—33.15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

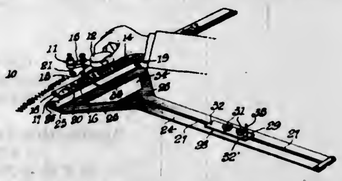


A coupling device comprising a coupling head having spaced upper and lower members, a pivotedly mounted hook normally in a downward uncoupled position, a laterally extending lug on said hook, means for raising and lowering said hook into coupled and uncoupled positions, said means comprising a pivoted lever having a slot engageable with said lug, and a bell crank lever operably connected to said pivoted lever, whereby, upon operable movements of the bell crank lever, the pivoted lever and the hook pivot in the same rotational direction.

2,482,742
METHOD FOR ACTIVATION OF CATALYTIC METAL SCREENS
Edward H. Carter and Louis E. Sartain, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 17, 1947, Serial No. 748,843
5 Claims. (Cl. 252—476)

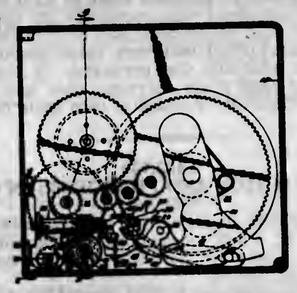
3. A process of making copper and silver screen catalyst which comprises treating copper and silver screens in an oxidizing atmosphere for 5 to 10 hours at a temperature between 500° F. to 1200° F., cooling the catalyst screens so treated, alternately stacking at least a portion of the copper and silver screens so that there are not more than six of either copper or silver screens adjacent one another, and compressing the screens so stacked prior to their use to such an extent that the original height of the stack is reduced by 2–10%.

2,482,743
APPARATUS FOR SCRIBING INSTRUMENTS
Ralph P. Chanfrau, Phoebus, Va.
Application September 13, 1944, Serial No. 553,857
3 Claims. (Cl. 33—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



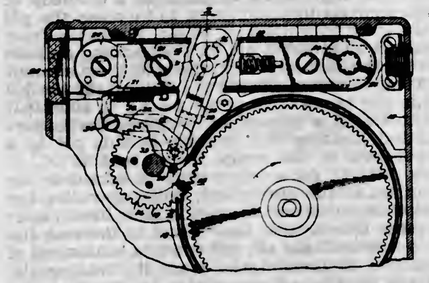
1. A device of the character described adapted to be used with a templet-directed pantographic scribing instrument, said device being made of sheet material cut to form a head portion having a central scribing opening and a radial arm connected to said head portion by diagonal strips, upper and lower straight edges located on said head portion said lower straight edge being formed integral with the head portion of said device, and said upper straight edges being formed as parallel edges on a strip attached to said head with one of said edges being aligned with the edge formed integral with the head, said straight edges being adapted to direct the alignment of said templet when scribing respectively within and outside of said opening, and a center defining slide member supporting a pivot pin, said slide being adjustably connected to said arm and adapted to extend within said scribing opening to define a predetermined radius for the arcuate movement of said straight edges, said head portion and said straight edges being drilled along the center line thereof with a plurality of spaced holes for the reception of said centering pin to define shorter radii for the arcuate location of said straight edge.

2,482,744
SHOCK-ABSORBING AND MOTION-IMPELLING MEANS FOR CINEMATOGRAPHS
Irving Ciszki, Schiller Park, Ill., assignor to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application January 12, 1946, Serial No. 640,955
4 Claims. (Cl. 185—37)



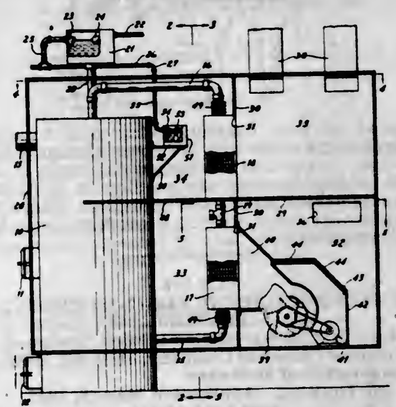
1. The combination of a rotating member, means movable into and out of position to check the rotation of said member, mechanism connecting said rotating member to a motor, said mechanism comprising a pair of parts operatively connected together by a resilient element adapted to stop the motor when rotation of said member is checked, to permit one of said parts to overrun the other said part when said rotation is checked and to maintain said parts at equal speeds during periods of rotation of said member, other means adapted to hold said one part in its overrun position thereby storing up the kinetic energy in said mechanism for subsequent application in overcoming the static inertia of said other part when said rotating member is released by said rotation checking means.

2,482,745
USED-FILM SIGNAL FOR MOTION-PICTURE CAMERAS
Irving Ciszki, Schiller Park, and Abram Shapiro, Chicago, Ill., assignors to Ampro Corporation, Chicago, Ill., a corporation of Illinois
Application January 12, 1946, Serial No. 640,956
4 Claims. (Cl. 88—16)



1. The combination with a motion picture camera having a view finder and a gear train connecting the motor with a film-shutter and -transport mechanism mounted in the camera housing, of a window formed in said housing intermediate the eye- and objective-lenses of said view finder to admit light from the exterior of said housing to said view finder between said lenses, a member reciprocatingly mounted on said housing and movable into and out of position to permit the intermittent admission of light through said window to said view finder, and coacting means on said gear train and said member adapted to reciprocate said member during the normal operation of said motor.

2,482,746
SPACE HEATER
Robert E. Crozier, Detroit, Mich.
Application December 10, 1945, Serial No. 634,041
2 Claims. (Cl. 237—8)

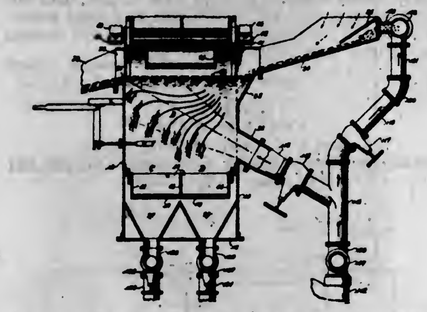


2. Space heating equipment which includes a casing, a boiler within said casing adjacent one end thereof, a baffle plate extending horizontally within said casing and partially around the boiler, a partition wall extending vertically through said casing to form in conjunction with the baffle plate an air inlet chamber and an air discharge chamber adjacent the end of the casing remote from the boiler, the partition wall having openings therethrough above and below the baffle plate, a heat exchange unit in each opening, said heat exchange units being connected in series with the boiler, and a blower within the air inlet chamber to direct a blast of air through the lowermost heat exchange unit toward the boiler around the end of the baffle plate adjacent the boiler and into the air discharge chamber through the uppermost heat exchange unit, a housing enclosing the air inlet of the blower, said housing having air inlet openings therein and air filters closing the openings in said housing.

2,482,747
HYDRAULIC CLASSIFICATION OF SOLIDS
Nelson L. Davis and Hilmer N. Ekbom, Chicago, and Laurance O. Millard, La Grange, Ill., assignors to Link-Belt Company, a corporation of Illinois
Application May 26, 1945, Serial No. 595,934
28 Claims. (Cl. 209—157)

1. A method of hydraulically classifying solids into separated products of different specific gravities, comprising introducing the starting mixture of solids into a body of parting liquid of a specific gravity which will float one of the desired products while permitting the remaining solids to

sink, withdrawing the float product from the body of liquid, creating a subsurface current through the body of liquid in a direction crossing the path of the sinking solids to relatively laterally displace the slower sinking solids from the more rapidly sinking solids to produce two additional products, creating an updraft in the parting liquid in the



path of the more rapidly sinking solids to assist in separating therefrom the slower sinking solids, creating a downdraft in the parting liquid in the path of the slower sinking solids to accelerate the rate of sinking of such solids, and separately withdrawing these additional products from the body of liquid.

2,482,748

4,4'-ISOPROPYLIDENE BIS-(2-ISOPROPYLPHENOL)

Andrew J. Dietzler, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 28, 1948, Serial No. 29,940
1 Claim. (Cl. 260—619)

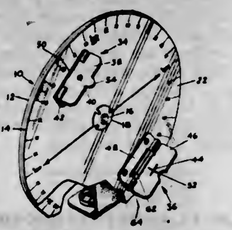
4,4'-isopropylidene bis-(2-isopropylphenol), a white crystalline compound melting at 96.5°-97° C.

2,482,749

SEXTANT OR THE LIKE

Wallace J. Eckert, Washington, D. C.

Application January 6, 1945, Serial No. 571,641
15 Claims. (Cl. 33—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. In combination in a device of the class described, a pair of registering coincident juxtaposed discs of like size and shape mounted on a common axis for rotation with respect to each other, said discs being of a diameter such that their peripheral edges may be readily engaged for adjustment by the fingers of the hands of the operator and being adapted to provide for holding the discs in set position between the fingers of a hand of the operator at any location around the said discs, one of said discs having a scale on its inner surface, the other of said discs having a transparent portion overlying and protecting said scale and having a reference mark thereon, a pair of spaced apart hinged members at the outer surface of said scale carrying disc, one having a bubble level and the other having a mirror, and a pair of spaced apart hinged members at the outer surface of said other disc having component elements for training said reference mark on an object upon rotation of said other disc, said discs being thin and said hinged members being collapsible against the discs, thereby providing a compact, disc-shaped, readily portable, device, said training hinged members being disposed at opposite sides of said common axis and adjacent the periphery of the outer surface of said other disc, and said bubble level and mirror hinged members being disposed respectively adjacent the periphery of the outer surface of said scale carrying disc and at the center of the outer surface of said scale carrying disc.

2,482,750

EXTRACTION AND PURIFICATION OF SUGAR

Arvid M. Erickson, San Jose, and John D. Ryan, Campbell, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California

Application October 1, 1941, Serial No. 413,164
8 Claims. (Cl. 127—44)

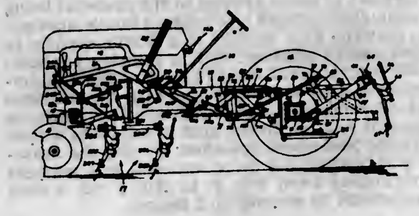
1. The process of preparing a sweetening medium from fruit which comprises adding to a juice extracted from fruit and comprising the sweetening ingredients of the fruit a quantity of dilute aqueous lime sufficient to increase the pH of the juice to a pH well within the range from about pH 10 to about pH 11, then adding a dilute aqueous solution of phosphoric acid in an amount sufficient to reduce the pH to substantially the pH within the range from about pH 4.5 to about pH 5.6, at which a maximum of impurities is precipitated, heating the mixture at this pH to a temperature in the range from about 76° C. to about 100° C. for a short time to complete the formation of the precipitate, then separating the precipitate so formed to leave a clear liquid, adding more lime to this clear liquid to increase the pH to substantially the pH where a maximum of impurities is precipitated from it, heating the mixture at this pH to a boil to complete the formation of the precipitate, and then separating the precipitate so formed to leave a clear liquid, and finally treating the clear liquid with decolorizing carbon.

2,482,751

TRACTOR IMPLEMENT AND CONTROL

Robert E. Hartsock, Rockford, and Richard W. Henss, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin

Application July 8, 1943, Serial No. 493,852
3 Claims. (Cl. 97—50)



1. In a tractor having an elongated body portion and adapted for propelling a soil working implement, the combination of a yoke journaled at the mid-portion of the tractor for fore and aft rocking movement, a fluid motor for rocking said yoke in one direction, a connection from the yoke to the implement for lifting the latter upon actuation of the fluid motor, a retracting spring for the yoke anchored to the tractor and connections from the spring to the yoke including a link and lever mounted so as to be swung in one direction by said spring, said lever being so disposed as to take a substantially dead center position relatively to said link when the fluid motor is retracted and the implement is in working position, whereby to maintain said implement firmly in the ground when said fluid motor is retracted by the pressure of said spring multiplied by said link and lever.

2,482,752

PHARMACEUTICAL PREPARATIONS

Lloyd W. Hazleton, Falls Church, Va., assignor to Bio-Research, Inc., Washington, D. C., a corporation of Delaware

No Drawing. Application February 4, 1946, Serial No. 645,483
7 Claims. (Cl. 167—58)

1. A pharmaceutical composition being a water solution containing an alkali salt of 5-(para-sulfo-phenyl azo)-salicylic acid, a wetting agent, and a content of non-irritating non-toxic non-oxidizing inorganic salts sufficient to produce isotonicity.

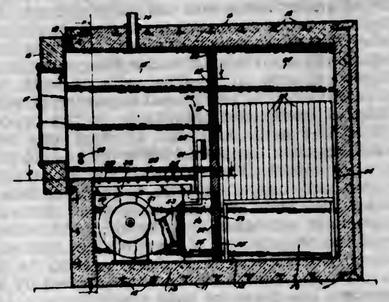
2,482,753

STRATOSPHERE CHAMBER

Arnold H. Heineman, Chicago, Ill., assignor to Vacuum Process Corporation, a corporation of Illinois

Application June 22, 1944, Serial No. 541,516
2 Claims. (Cl. 257—9)

1. A testing device comprising a hermetically sealed insulated housing, a testing chamber within an upper portion of the housing and occupying a substantial proportion of the internal area of the housing, a foraminous floor in the chamber, a fan within the housing having its suction side in communication with the floor, spray means between the floor and the suction side of the fan, alternatively selective passageways leading from the fan to the testing chamber, cooling means in one of the said passageways, said last named passageway having a volume of the same order as the volume of the testing chamber, optionally selective heating means in the other passageway



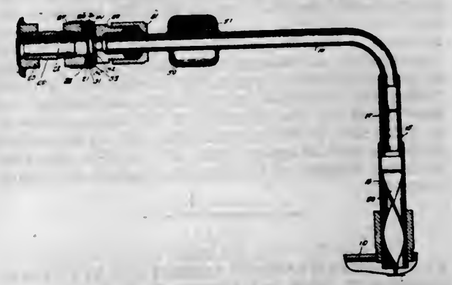
and means for proportioning the volume of air through said alternatively selective passageways.

2,482,754

SURGE BOOSTER DEVICE FOR EXHAUST MANIFOLDS

Charles R. Flint, La Porte, Ind., assignor to The De Luxe Products Corporation, La Porte, Ind., a corporation of Indiana

Application October 21, 1944, Serial No. 559,824
2 Claims. (Cl. 60—39)



1. A surge booster comprising an elongated tube at least ten times as long as its diameter adapted for connection at one end to the exhaust manifold of an internal combustion engine and having an opening to the atmosphere at the other, and a check valve opening whenever pressure on the inner side of the valve is below atmospheric, said valve having a diaphragm of no substantial inertia in said opening and having heat exchange means within the tube adjacent the exhaust manifold end thereof.

2,482,755

FLAMEPROOFING OF FIBROUS MATERIAL

Florence M. Ford and William P. Hall, Wilmington, Del., assignors to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 29, 1945, Serial No. 596,592
12 Claims. (Cl. 8—116.2)

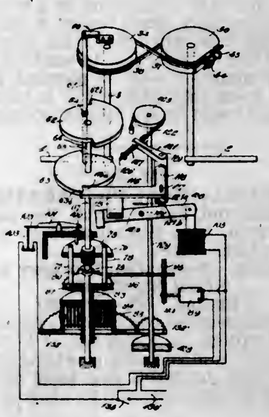
1. In the art of producing a complex of acid and nitrogen with fibrous cellulose or protein materials or mixtures thereof to impart durable flame-resistance to such materials, the method of forming said complex which consists in impregnating the fibrous material with an aqueous

solution of the reaction product of (1) at least one substantially water soluble inorganic acid compound selected from the class consisting of acids of phosphorus and sulfur which are free of metal and of organic groups and of constituents yielding active oxygen and halogen and which are substantially non-volatile under the conditions of the process, and metal-free salts of such acid compounds decomposable, and the anion of which is volatile, under the conditions of the process, to yield the acid, and (2) at least one non-metallic organic compound basic in the acid solution and soluble therein and which contains nitrogen and has an atomic ratio of carbon to nitrogen not substantially more than the ratio of carbon to nitrogen in acetamide, the amount of acid and the amount of non-metallic nitrogen-containing organic constituent applied to the material being equivalent to that applied by impregnating the material with a solution containing from 6.9% to 30% orthophosphoric acid by weight and containing a non-metallic nitrogen-containing organic constituent at least in amount sufficient to introduce the amount of nitrogen into the complex hereinafter set forth, with a 100% solution pick-up by weight of the fibrous material in the dry state; drying the material; heating the dried material to a temperature ranging from 400° F. to 250° F. for a time ranging from 30 seconds to 120 minutes; and then washing and drying the so heated material, the process being further characterized in that the solution composition is such that the pH of the heated fibrous material before said washing has a value of from pH 3 to pH 6, and in that the temperature and time selected in the above ranges and the amount of reaction product applied to the material and the amount of acid and nitrogen present in said reaction product are correlated to form with said material a complex containing an amount of the base element of the acid equivalent to from 1% to 5% phosphorus and to introduce into the said complex from .5% to 6% nitrogen, both by weight of the finally washed and dried material.

2,482,756
FLAMEPROOFING OF FIBROUS MATERIALS
Florence M. Ford and William P. Hall, Wilmington, Del., assignors to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1944, Serial No. 539,798
4 Claims. (Cl. 8—116.3)

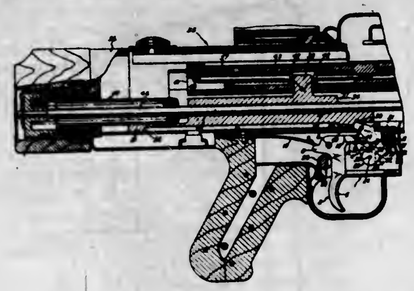
1. In the art of producing a complex of acid and nitrogen with cellulose fibrous materials to impart durable flame and mildew resistance thereto, the method which consists in impregnating the fibrous material with an aqueous solution of (1) at least one substantially water soluble inorganic acid compound selected from the class consisting of acids of phosphorus and sulfur which are free of metal and of organic groups and of constituents yielding active oxygen or halogen and which are substantially non-volatile under the conditions of the process and metal-free salts of such acid compounds decomposable, and the anion of which is volatile, under the conditions of the process, to yield the acid, (2) at least one non-metallic organic compound basic in the acid solution and soluble therein and which contains nitrogen and has an atomic ratio of carbon to nitrogen not substantially more than the ratio of carbon to nitrogen in biuret, (3) a water soluble volatile alkaline compound in an amount sufficient to give to the solution a pH of from 6 to 8, and (4) an aldehyde compound chosen from the class consisting of formaldehyde, hexamethylene tetramine, acetaldehyde, and glyoxal, the amount of said nitrogen containing organic compound in the solution having a ratio to the acid in the solution of from 1 mol to 10 mols to 1 mol of acid on the basis of orthophosphoric acid and the amount of aldehyde in the solution having a ratio to the acid in the solution of from .2 to 1.5 mols to 1 mol of acid on the basis of orthophosphoric acid; the amount of solids applied to the material being the equivalent of that applied by a single application, followed by a squeeze in a textile mangle to remove excess solution, with a solution containing the equivalent of from 10.8% to 42% of orthophosphoric acid by weight and with the nitrogen containing organic compound and the aldehyde present in relation to the acid in amounts within the ratios just above specified; drying the material, and heating the dried material to a temperature ranging from 400° F. to 250° F. for a time ranging from 30 seconds to 2 hours.

2,482,757
MOTOR OPERATED SWITCH
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Original application April 27, 1944, Serial No. 533,010. Divided and this application June 6, 1945, Serial No. 597,763
3 Claims. (Cl. 200—92)



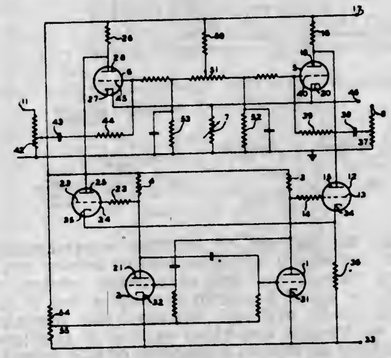
1. Control mechanism for electric switches having paths of travel approximately 90 degrees, means for driving the electric switches in successively opposite directions for successive repeat operations in opposite directions, means for driving the aforesaid means comprising a spring motor, a shaft extending from said spring motor to said first mentioned means, opposed disc members carried by said shaft and having notches therein, an angularly shiftable pawl selectively movable into the path of either of the notches on said disc members and electrically actuated means for alternately shifting said pawl into the path of the notches on said respective disc members for forming a limiting abutment for the travel of said switches in either of the opposite directions and means for restoring tension in said spring motor.

2,482,758
FIRE CONTROL MECHANISM
Alonso F. Galdos, Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War
Application September 3, 1946, Serial No. 694,443
6 Claims. (Cl. 89—140)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination in an automatic firearm having a reciprocating breech member movable between a battery position and a recoil position of, an actuator engaging the breech member, a sear pivotally mounted on the firearm having means for selectively moving said sear transversely with respect to the firearm to either of two spaced positions, first means on said actuator engageable by said sear when in one of said two positions whereby semi-automatic fire is obtained when the breech member is in battery position, and second means on said actuator engageable by said sear when in the other of said spaced positions whereby full automatic fire is obtained from the recoil position of the breech member.

2,482,759
ELECTRONIC SWITCH WITH COMMON CATHODE OUTPUT
Ralph D. Goodrich, Jr., Laramie, Wyo., and Thomas F. C. Muehmore, Geneva, N. Y.
Application April 16, 1945, Serial No. 588,504
2 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A circuit adapted to alternately switch two input voltages comprising a first cathode follower switch tube and a second cathode follower switch tube, each having at least a cathode, an anode and a grid, a common cathode circuit for said switch tubes including a load impedance, bias means for said switch tubes, means for applying one of said voltages to the grid of said first switch tube, and means for applying the second of said voltages to the grid of said second switch tube, means for simultaneously producing two substantially rectangular waveform switching voltages of opposite polarity, a first buffer vacuum tube, a second buffer vacuum tube, each having at least a cathode, an anode and a grid, the anode of said first buffer vacuum tube being connected to the anode of said first switch tube, the anode of said second buffer vacuum tube being connected to the anode of said second switch tube, means for applying one of said switching voltages to the grid of said first buffer vacuum tube, means for applying the other switching voltage to said grid of said second buffer vacuum tube, the output of said circuit being developed across said load impedance, said output being alternately proportional to each of said voltage inputs.

2,482,760
PURIFICATION OF OLEIC ACID
Charles G. Goebel, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application June 20, 1946, Serial No. 678,160
7 Claims. (Cl. 260—419)

1. A method of purifying oleic acid which contains polyunsaturated fatty acids, said method comprising heating the oleic acid to a polymerizing temperature which is below the decomposition temperature thereof, in the presence of a small proportion of dissolved water, maintaining dissolved water in dissolved state in the acid during heating by means of pressure, and continuing the heating for a period of time which is sufficient to polymerize polyunsaturated fatty acids, and subsequently treating the heated product at a reduced pressure to distill a purified oleic acid from polymerized polyunsaturated acids.

2,482,761
POLYMERIZATION OF UNSATURATED FATTY ACIDS
Charles G. Goebel, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 6, 1946, Serial No. 681,765
15 Claims. (Cl. 260—407)

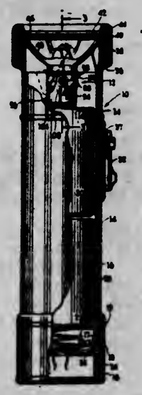
1. A method of preparing an acid having a plurality of carboxyl groups in the molecule which comprises heating a polyunsaturated fatty acid at an elevated pressure and a polymerizing temperature of at least about 260° C. in the presence of a small amount of water which is sufficient to prevent decarboxylation during the said heating.

2,482,762
LUBRICATING COMPOSITIONS
Mayer B. Goren, Brighton, Mass., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 4, 1947, Serial No. 726,445
22 Claims. (Cl. 252—32.7)

1. A composition comprising a major amount of a liquid hydrocarbon and a minor amount, sufficient to stabilize said liquid hydrocarbon against deterioration and improve its anti-wear properties, of a stable, non-corrosive phosphorus and sulfur-containing reaction product obtained by re-

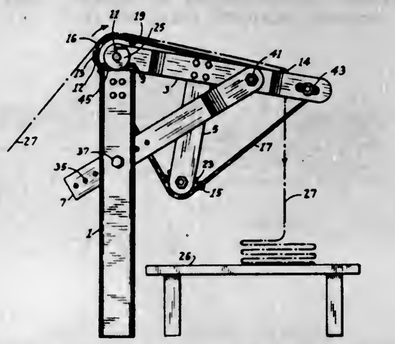
acting, at a temperature ranging from 130° C. to about 200° C., phosphorus sulfide and a cyclic ketone fraction having at least 12 carbon atoms the ratio of the phosphorus sulfide to the ketone compound being 1:4 to about 1:8 respectively.

2,482,763
EXPLOSION-PROOF REFLECTOR ASSEMBLY FOR PORTABLE ELECTRIC FLASHLIGHTS
Leopold C. Grimsley, New York, N. Y., assignor to Henry Hyman, New York, N. Y.
Application December 3, 1947, Serial No. 789,515
3 Claims. (Cl. 240—11.3)



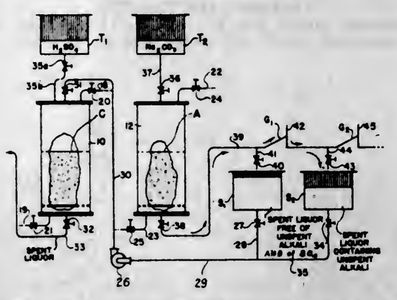
3. The combination with a flashlight reflector assembly comprising a reflector having a large central opening through which the base of an electric lamp is adapted to pass, said lamp being of the push insertion type and having a central contact and a side contact in its base, means associated with the reflector for making electrical connection with the lamp contacts when the lamp is seated in the central opening, and means to bias the lamp in a direction out of said opening, said means when effective opening the electrical connections with the lamp contacts: of means to press against the envelope of the lamp so as to seat the same in the reflector against movement by said biasing means as long as the envelope is unbroken, said pressing means comprising a bushing, a yoke including a base and a pair of spaced legs extending from the base in the same direction, a hinge member, means to pivotally secure said hinge member to said bushing for rotation about an axis perpendicular to the axis of symmetry of the reflector and on the same side of the envelope as the lamp base, and means to pivotally attach the legs of the yoke to the hinge member for rotation about an axis parallel to said first-named axis, said hinge member being swingable about the first-named axis from a position in which it rests against said bushing to a position in which it is spaced therefrom, said yoke member in the first-named position of the hinge member having its base pressing the envelope of the lamp against the biasing means so as to seat the lamp in the reflector and having its legs disposed on one side of the first-named axis, and said yoke member in the second-named position of the hinge member having its legs disposed on the other side of said first-named axis, said reflector having openings therein through which the legs of the yoke pass.

2,482,764
FABRIC FOLDING MACHINE
George Haeberlin, Richmond, Va., assignor to Richmond Pierce Dye Works, Inc., a corporation of Virginia
Application December 10, 1946, Serial No. 715,295
5 Claims. (Cl. 270—79)



1. A textile web folding machine for continuously folding a web of textile material in zigzag folds comprising at least two horizontally disposed fabric web carrier rods, means defining an endless path of travel for said rods and having a fabric web release end defining an unobstructed path of travel for said rods and any therefrom depending fabric web in a to and fro direction substantially parallel to said rods, drive means operatively connected to said rods to move the same along said path, and means for continuously passing a web of textile material onto said path for rod engagement with the under-side of said web.

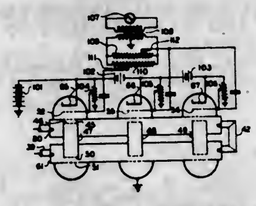
2,482,765
SUGAR SOLUTION ION EXCHANGE
Edward A. Haagensen, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application July 10, 1946, Serial No. 682,462
3 Claims. (Cl. 127—46)



1. In the process of treating sugar-bearing liquids containing inorganic ionized solutes comprising Ca-ions as well as organic solutes, in which the liquid is passed through a bed of H-ion exchange material whereby the material takes up Ca-ions and other cations of said ionized solutes as well as a quantity of said organic solutes, in which the thus acidified liquid is passed through a bed of acid-adsorbing anion exchange material, in which the cation exchange material is regenerated with H_2SO_4 solution and the anion exchange material is regenerated with an alkali solution, the method of regenerating

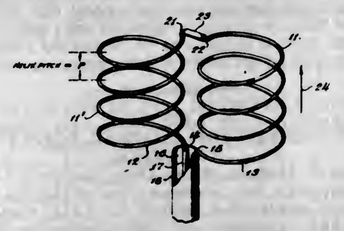
the bed of cation exchange material which comprises collecting from the bed of anion exchange material being regenerated a first fraction of regenerant effluent solution substantially free of unspent alkali, collecting a second following fraction of regenerant effluent containing unspent alkali, and sequentially passing a quantity of said first fraction and a quantity of said second fraction through said bed of cation exchange material whereby said first fraction substitutes alkali regenerant cations for Ca-ions in the bed and the unspent alkali in said second fraction removes organic matter from said bed leaving the bed saturated with cations preparatory to regeneration with H_2SO_4.

2,482,766
HIGH-FREQUENCY MODULATING SYSTEM
William W. Hansen, Garden City, and Russell H. Varian, Wantagh, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application December 30, 1942, Serial No. 470,678
In Great Britain July 1, 1942
34 Claims. (Cl. 332—17)



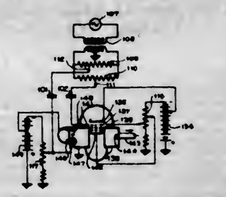
3. A method of producing desired relative amounts of amplitude and frequency modulation simultaneously in an electron beam velocity modulating device ranging from substantially pure amplitude modulation to substantially pure frequency modulation, comprising the steps of producing an electromagnetic field by an electron beam, producing an auxiliary electron beam coupled to said field, and controlling said electron beams in accordance with signal waves having amplitude and phase relationships correlated to the desired relative amounts of amplitude and frequency modulation of said field.

2,482,767
BROAD BAND ANTENNA
William W. Hansen, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application September 6, 1943, Serial No. 501,370
12 Claims. (Cl. 250—33.51)



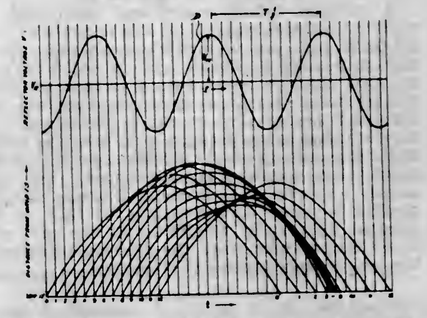
5. An antenna system for use with ultra short waves, comprising a length of conductor in the form of a helix having a diameter of the same order of magnitude as the length of said waves, and means supplying radio frequency energy to said helix, said helix having a pitch in relation to the diameter of said helix as to cause the same variation in phase due to the pitch of said helix as is due to the length of the conductor, whereby a unidirectional radiation pattern having a maximum directivity in the axis of the helix is formed.

2,482,768
HIGH-FREQUENCY MODULATING SYSTEM
William W. Hansen and Russell H. Varian, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application December 30, 1942, Serial No. 470,678. Divided and this application March 31, 1945, Serial No. 586,007
18 Claims. (Cl. 332—17)



1. A method of simultaneously producing desired relative amounts of amplitude and frequency modulation ranging from substantially pure amplitude modulation to substantially pure frequency modulation, comprising the steps of projecting a plurality of electron beams through an electromagnetic field, reflecting one of said beams to re-pass through said field to sustain oscillations thereof, collecting the other of said beams after the first passage thereof through said field, and varying the intensities of said beams in accordance with the same signal waves with an amplitude and phase relationship dependent upon the desired relative amounts of amplitude and frequency modulation of said field.

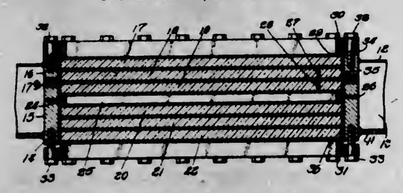
2,482,769
HIGH-FREQUENCY APPARATUS
Arthur E. Harrison, Rockville Centre, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application December 28, 1944, Serial No. 570,134
13 Claims. (Cl. 315—5)



1. High frequency apparatus comprising means for producing an electron stream, a pair of electron-permeable electrodes along the path of said stream, a first cavity resonator including said electrodes as portions of the walls thereof, a reflector electrode in the path of said stream beyond said electrodes, a second cavity resonator coupled between said reflector electrode and one of said electron-permeable electrodes, said first

cavity resonator being tuned to a frequency substantially harmonically related to the resonant frequency of said second cavity resonator, and means coupled to said second resonator for supplying energy to said second cavity resonator of a frequency substantially equal to said resonant frequency, whereby energy of a frequency harmonically related to said supplied energy frequency may be extracted from said first cavity resonator.

2,482,770
WINDOW FOR PRESSURE CHAMBERS
Arnold H. Heineman, Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del., a corporation of Delaware
Application July 11, 1945, Serial No. 604,433
6 Claims. (Cl. 98—29)



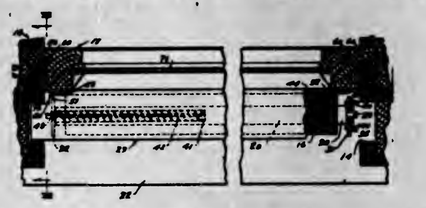
1. In a pressure vessel, an outer pressure sustaining wall, a gas tight inner diaphragm spaced therefrom and surrounding a vacuum chamber, means for evacuating the vacuum chamber and the space between the wall and the diaphragm, a window frame sealed to the wall and the diaphragm, said window frame including an insulating compression ring dividing the frame into exterior and interior portions, and a series of spaced window panes within the frame, at least one of said panes sealing the outer atmosphere from the vacuum chamber.

2,482,771
METHOD OF COPOLYMERIZING VINYLIDENE CHLORIDE AND VINYL CHLORIDE
Jacob Heerema, Grand Rapids, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 15, 1944, Serial No. 545,185
1 Claim. (Cl. 260—87.5)

A method which comprises subjecting an agitated aqueous suspension of a mixture of from 50 to 90 per cent of vinylidene chloride monomer, and correspondingly from 50 to 10 per cent of vinyl chloride monomer, by weight, to interpolymerizing conditions in a closed system at a constant temperature at which the system has a substantial vapor pressure, and bleeding monomer vapor rich in vinyl chloride from the system during the polymerization reaction, just sufficiently to prevent the pressure therein from exceeding a value corresponding to that of the selected mixture of monomers at the said constant temperature, until the internal pressure in the system spontaneously decreases.

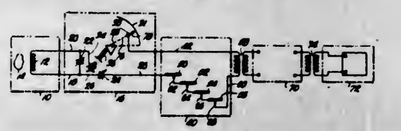
2,482,772
WINDOW
Luitjen H. Heeren, Westmount, Quebec, Canada
Application March 7, 1947, Serial No. 733,038
3 Claims. (Cl. 160—30)

1. A window combination, comprising a window frame, a window sash movable therein to provide a window opening, said sash being formed in each of its vertical edges with a longitudinal groove, an insect screen carried by said sash and said frame and extendable across the opening, stationary runner means carried by said frame at each side of said sash for cooperation with the vertical edges of said screen to close the spaces



along said edges when said screen is in any of its positions of use, and a weather strip formed integrally with said runner and located opposite each vertical edge of said sash and in engagement with the longitudinal groove formed therein.

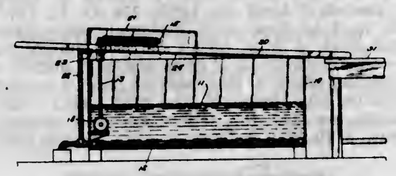
2,482,773
DETECTION OF EMANATIONS FROM MATERIALS AND MEASUREMENT OF THE VOLUMES THEREOF
Thomas G. Hieronymus, Kansas City, Mo.
Application October 23, 1946, Serial No. 705,028
13 Claims. (Cl. 250—83)



4. The method of detecting the presence of chemical elements in a specimen under test by capturing and analyzing the electrical and optical radiations characteristic of such elements emanating from said specimen which comprises, impressing said radiations on an electrical conductor; conducting the radiations through a tunable circuit including said electrical conductor to an electrode in said circuit from which electrode said radiations emanate; directing the radiations emanating from said electrode through a refracting body; adjusting a second electrode until it intercepts said refracted radiations; conducting said radiations from said second named electrode to a detector comprising a conductive solid having a smooth planar surface to vary the surface frictional characteristics of said solid; tuning said tunable circuit until a maximum of the radiations from said specimen are emitted from said first named electrode; and readjusting said second named electrode until the variation of the surface characteristice of said detector indicates that a maximum of refracted radiations are impressed on said second named electrode.

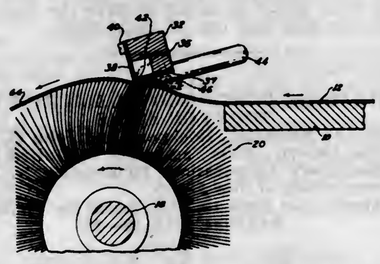
2,482,774
APPARATUS FOR COATING EGGS FOR BREAKING
George F. Hodson, Altus, Okla., assignor to Wilson & Co. Inc., a corporation of Delaware
Original application March 30, 1945, Serial No. 585,706. Divided and this application March 18, 1946, Serial No. 655,323
4 Claims. (Cl. 91—44)

1. Egg treating apparatus comprising inclined tracks along which the eggs roll, said tracks having openings therebetween and being adapted to support the eggs, wax spraying means immediately above the tracks and extending substantially parallel thereto, said spraying means being adapted to spray wax over a substantial distance along the track whereby an egg rolling along said track will be subjected to wax spray on all sides



thereof, a wax container beneath the track, means for heating wax therein, means independent of the heated wax in the container for heating at least a portion of the track, and means for withdrawing heated wax from the container and delivering it to the spraying means.

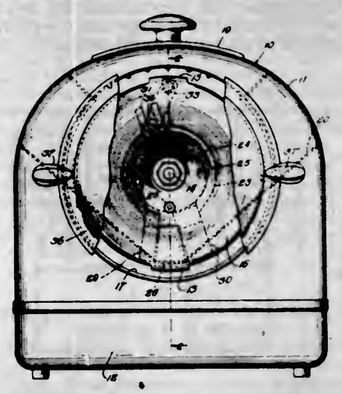
2,482,775
METHOD OF REMOVING DUST FROM LEATHER
John G. Hollick, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 16, 1946, Serial No. 691,090
1 Claim. (Cl. 69—21)



A method of removing dust from leather which comprises the spreading out of a work piece such as a hide or skin upon a support and passing said work piece progressively through a zone of treatment, and forcibly projecting a jet of air under a pressure of substantially three to twelve pounds per square inch directly against and also across the full width of the work piece to treat the entire length of said work piece as it passes through said zone, the impingement angle of the jet being above 40 degrees and the thickness dimension of said jet before impact being within the range of .002" to .020".

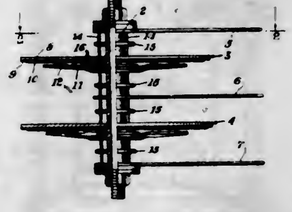
2,482,776
GATE STRUCTURE FOR DISINTEGRATORS
Frank S. Howard, Chicago, Ill., assignor to Birtman Electric Company
Application January 6, 1945, Serial No. 571,595
13 Claims. (Cl. 241—186)

1. In a disintegrator or the like for grinding material such as grain and including blades adapted to be revolved at high speed and a chute having an outlet at a point above substantially the lowermost point in the path of travel of the blades, a gate structure for regulating flow of grain to the blades, said gate structure comprising a movable plate arranged in front of said outlet and comprising a flat portion for closing the outlet and at least one raised portion having an open bottom for permitting the grain to fall substantially vertically in a continuously flowing free



stream onto the revolving blades from said hopper when said raised portion is in fixed position in front of said outlet.

2,482,777
RECTIFIER
Albert E. Howe, Richmond Hill, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 21, 1946, Serial No. 711,423
9 Claims. (Cl. 175—366)

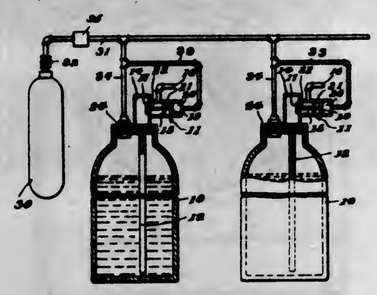


1. A rectifier comprising a metal plate, a semiconductor layer on said plate, a contactor having a plurality of rounded metal points bearing against said semi-conducting layer, terminal leads, means to provide electrical point contact with respect to said leads, said contactor, and said plate, respectively, and a protective film covering said assemblage enclosing and sealing each point contact region.

2,482,778
FLUID PRESSURE MEDIUM DISPENSING SYSTEM
Ernest A. Joerren, Brooklyn, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application March 4, 1944, Serial No. 525,122
7 Claims. (Cl. 62—1)

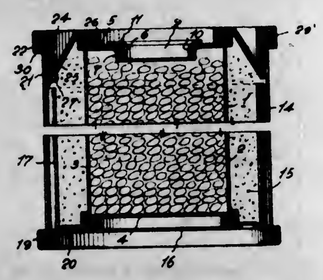
1. In a fluid pressure medium dispensing system wherein liquid carbon dioxide is stored, the combination of a container for storing the liquid carbon dioxide having an inlet and outlet means in fluid flow communication with the lower in-

terior part of said container, a pressure medium operable valve for controlling the discharge of carbon dioxide through said outlet means, a source of high pressure fluid medium in gaseous form, and means for conducting the medium to said valve to operate the same and for conducting the medium to said inlet to introduce the medium



into said container, whereby the valve is conditioned to permit discharge of carbon dioxide through said outlet means and the carbon dioxide in said container is subjected to a higher pressure than its own to expel the same therefrom at a more rapid rate.

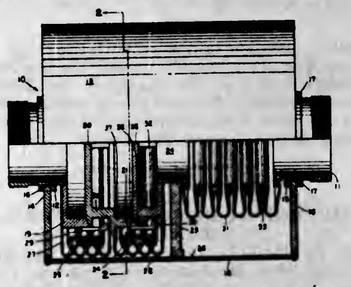
2,482,779
COMBINED CAN AND HEATER
Lee Katz, Los Angeles, Calif.
Application June 12, 1947, Serial No. 754,108
4 Claims. (Cl. 126—263)



1. A self-heating container particularly for food comprising, a food receptacle, a cylindrical jacket surrounding said food receptacle in spaced relation thereto and forming a chemical compartment in the space between the food receptacle and said jacket, a ring extending from the upper edge of said jacket inwardly to the upper outer edge of the food receptacle, said ring being formed with a recess intermediate its inner and outer edges, and an outer ring secured over said first ring and substantially conforming in shape thereto, said outer ring being provided with an opening adjacent the bottom portion of the recess of said first ring to provide access to the first ring to allow puncturing thereof for supplying a liquid to the chemical compartment, said outer ring being rotatable so as to move its opening out of register with a puncture in said first ring, so as to seal off the puncture and prevent egress of chemical and eliminate danger of contamination of the food by the chemical.

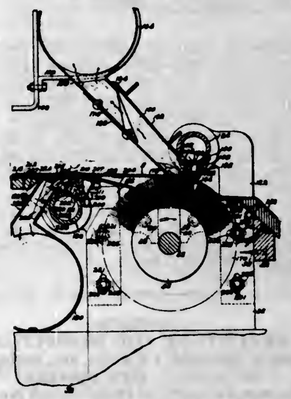
2,482,780
STEMLESS VALVE
Davis C. Kirby, Jr., United States Navy
Application June 18, 1946, Serial No. 677,468
5 Claims. (Cl. 277—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fluid flow control device comprising a fluid inlet, a fluid outlet, a flow control valve disposed between said inlet and said outlet, said valve including a seat portion and a relatively movable plug member, the plug being non-rotatably secured for separation and approachment, a flexible bellows sealing means enclos-



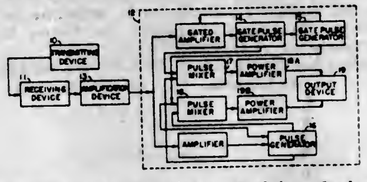
ing the relatively movable parts in hermetically sealed relationship, and a casing surrounding said valve and valve sealing members, said casing being bodily rotatable to move the separable portions into and out of engagement.

2,482,781
PNEUMATIC DUST REMOVAL MACHINE FOR HIDES OR SKINS
Cutler D. Knowlton, Rockport, and John G. Hollick, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 10, 1947, Serial No. 740,666
8 Claims. (Cl. 69—1)



1. A machine for removing dust from consecutively presented tanned hides comprising nozzle means for discharging fluid, said nozzle means extending the full width of a work piece and having an effective cross-sectional orifice area not exceeding ⅜ of a square inch per linear foot, a power-driven work feeding device with a yielding surface adjacent to said nozzle means and arranged to engage and to urge consecutive work pieces through the machine and in a path contiguous to said orifice area, and an exposed surface upon which an operator may spread out each work piece as its leading edge is inserted between the nozzle means and the said feeding device.

2,482,782
PULSE DISCRIMINATION SYSTEM
George W. Lenny, Jr., and Paul E. Ward, United States Naval Reserve
Application February 13, 1947, Serial No. 728,212
3 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



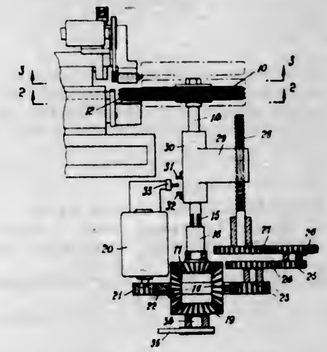
1. In combination with a receiving device for the reception of repetitive multiple pulse signal, a pulse discrimination system comprising; a pulse generator for deriving a pulse signal in response to input signals, a first gate pulse generator operable to produce a first gating signal upon reception of a first pulse signal, a second gate pulse generator responsive to the conclusion of the first gating signal to produce a second gating signal, a first coincidence circuit for producing a first output signal responsive to the attainment of selected time relationships between the operation of the pulse generator and the first gating pulse signal, a second coincidence circuit for producing a second output signal responsive to the attainment of selected time relationships between the operation of the pulse generator and the second gate pulse generator, and means combining the first and second output signal in amplitude opposition.

2,482,783
STEM LOCK FOR DIAL GAUGES
John Longworth, Haddon Heights, and Thomas A. Deuber, Westville, N. J.
Application June 7, 1946, Serial No. 675,125
3 Claims. (Cl. 33—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In combination, a dial indicator gage comprising a case having an indicating dial on its front face and having backed thereagainst a rear face, a stem extending through said case between the said front and rear faces for longitudinal movement with respect thereto and having a gaging end which protrudes from one side of said case plus a follower end that axially aligns with an opening in the opposite case side, resilient means urging said stem in a direction to protrude its said gaging end from the case to a maximum and withdraw its said follower end into the case, an adapter having a first end threadedly secured to the gage stem's said follower end and a second end protruding axially therefrom through said opening to the case exterior, an extension of said adapter's second end protruding laterally therefrom beyond an edge of said case's rear face, an axle-like stud threadedly attached to the rear face of said case below the protruding adapter extension, a cylindrical shaft encircling said axle-like stud's non-threaded portion, and a substantially circular cam having an off-center hole through which said shaft extends in tight fitting relationship therewith so that upon selective turning of the shaft about said axle-like stud the cam pivots eccentrically thereabout and the portion of its edge which is farthest away from the cam's pivot point contacts and supportingly raises said adapter extension and stem attached thereto from an "unlock" position where the aforesaid stem movement is in no way interfered with to a "lock" position wherein the stem is held against said resilient means with the gaging end thereof withdrawn toward the case and the follower end thereof correspondingly protruded from the case.

2,482,784
MEANS FOR DRESSING THREADED ABRASIVE WHEELS
Floryan A. Lohutko, Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application December 4, 1946, Serial No. 714,026
4 Claims. (Cl. 125—11)

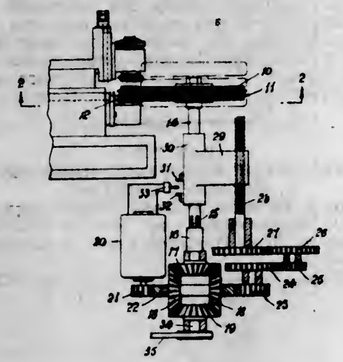


4. In a machine for forming a helical thread on the periphery of an abrasive wheel, in combination, a crusher roll, means effecting relative axial movement between said crusher roll and said abrasive wheel during rotation of said abrasive wheel whereby said roll will crush a thread formation into the periphery of said wheel, a high-speed rotary dressing tool of substantially coned form rotating on an axis perpendicular to the axis of said abrasive wheel and positioned so that its cutting end may enter and traverse the thread space of said wheel upon further relative axial motion of said wheel, and means effecting said further axial motion upon the completion of the initial crushing operation to provide the thread finishing operation by said rotary dressing tool.

2,482,785
THREADED ABRASIVE WHEEL DRESSER
Floryan A. Lohutko, Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application December 4, 1946, Serial No. 714,027
4 Claims. (Cl. 125—11)

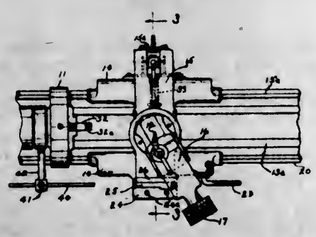
4. In a machine for forming a helical thread on the periphery of an abrasive wheel, in combina-

tion, a crusher roll, means for adjusting the axis of said roll to the angle of thread lead to be formed, means effecting relative axial movement between said crusher roll and said abrasive wheel during rotation of said abrasive wheel whereby said roll will crush a thread formation into the periphery of said wheel, a high-speed disk having a marginal portion of free-cutting material positioned to enter and traverse the thread space of said wheel upon further relative axial motion of said wheel, means effecting said further axial



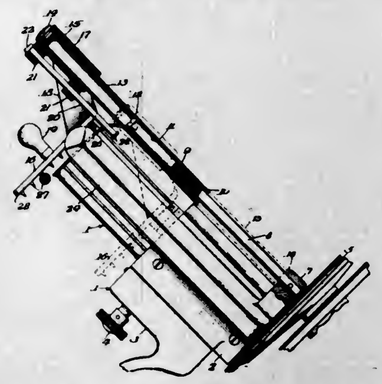
motion upon the completion of the initial crushing operation to provide the thread finishing operation by said disk, and means for adjusting the plane of said disk to the lead angle of the wheel thread.

2,482,786
THREAD-CUTTING MACHINE
Stanley C. Mack, Cleveland, Ohio, assignor to Merit Machine Company, Northfield, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 603,819
2 Claims. (Cl. 82—5)



1. Support means for a lathe tool comprising a carriage movable along the lathe bed, a two-part slide mounted on said carriage for movement transversely of the lathe bed, said slide having a movable part and a relatively fixed part, a tool carried by said movable slide part, a spring between said slide parts urging said movable part in one direction to move said tool away from a work piece, two coacting abutments limiting movement of said movable slide part in said one direction, one of said abutments being mounted on said fixed slide part, the second of said abutments being mounted adjacent the first named abutment and on said movable slide part for movement generally longitudinally of the lathe bed, said abutments having a single pair of coacting sharp shoulders extending transversely of the lathe bed, said abutments having one relative position where said shoulders overlap to hold said tool nearer the work piece, said abutments having another relative position where said shoulders nest to permit said tool to move farther from the work piece under the influence of said spring, and means fixed relative to said lathe bed adapted to engage said second abutment as said carriage moves along said bed in such a manner as to cause relative movement of said abutments from overlapping position to nesting position.

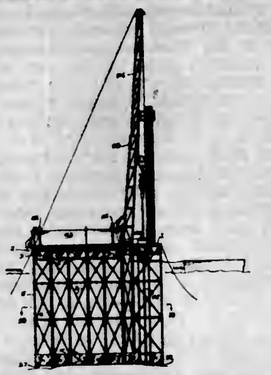
2,482,787
FOOD PUSHER FOR SLICING MACHINES
Paul H. Meyer, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application November 6, 1944, Serial No. 562,101
10 Claims. (Cl. 146—102)



1. A food pusher for co-operation with a meat table of a slicing machine and comprising a telescoping rod secured to the meat table, a pusher plate slidably and rotatably mounted on the rod for movement along the meat table intermediate its marginal ends when the rod is telescoped, means permitting slidable movement of the plate along the rod when the rod is telescoped, means including a plunger carried by the pusher plate and slidable with respect thereto, means with which the plunger co-operates for preventing pivotal movement of the plate about the rod between said marginal edges when the rod is telescoped, and also when said rod is extended, said rod being adapted to be extended to permit the plate to be moved beyond the outer marginal edges of the meat table, and means permitting pivotal arcuate movement of the plate about the rod in a predetermined direction when the rod is extended whereby the plate may be positioned beneath the meat table.

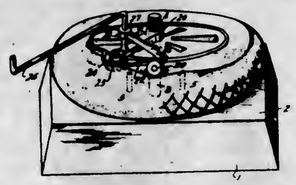
2,482,788
PORTABLE MARINE DRILLING STRUCTURE
James Moon, Altadena, Calif., assignor to Signal Oil and Gas Company, Los Angeles, Calif., a corporation of Delaware
Application September 29, 1947, Serial No. 776,632
14 Claims. (Cl. 61—46)

1. A drilling platform erected on a marine bottom, a pair of wing piers connected to said drilling platform forming a slip between said wing piers and said drilling platform, track ways mounted on said wing piers extending the length of said wing piers, travelling beams movably mounted on said track ways, a drilling barge movable into said slip, said drilling barge carrying a collapsible and extendible drilling mast, means on said barge to erect said mast onto said drilling platform and



to collapse and disconnect said mast from said drilling platform and position said mast on said barge, means to elevate said barge from said slip onto said travelling beams and to place said barge in drilling relation to said drilling platform.

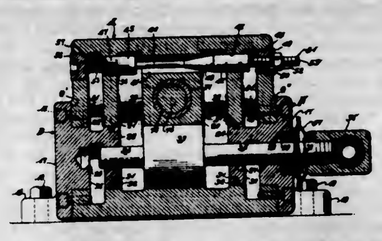
2,482,789
CIRCUMFERENTIALLY TRAVELING TYPE TIRE MOUNTING DEVICE
Roosevelt Moore, Orange, N. J.
Application January 17, 1946, Serial No. 641,858
4 Claims. (Cl. 157—1.24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



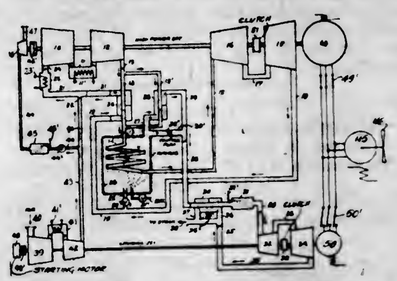
1. A tire mounting device comprising, an arm having a bearing means for rotatable engagement with a relatively fixed pivot, a roller mounted near the outer end of said arm on an axis substantially parallel to said fixed pivot, a handle means fixed to said arm and adapted for use in rotating said arm about said fixed pivot, a portion of said handle means adjacent to said arm being parallel to said fixed pivot, a second arm adjustably clamped on said handle portion, and a roller mounted on the free end of said second arm.

2,482,790
HYDRAULIC VIBRATOR
Albert Musschoot, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application January 21, 1948, Serial No. 3,462
19 Claims. (Cl. 60—54.5)

1. In a hydraulic vibrator for converting rotary motion into reciprocatory motion, a housing comprising a main section having formed therein a cylinder and a separate fluid passageway extending from each end of the cylinder to and opening through an exterior face of said section, a secondary section engaging said face of the main section and having a fluid chamber extending therethrough and positioned to communicate with the open ends of said fluid passageways, a cover section engaging the secondary section for closing the outer side of the fluid chamber, and means for fastening together said housing sections; a piston reciprocating in the cylinder of the main housing section, a rod attached to said piston and projecting from the housing for connection with the machine to be reciprocated by the hydraulic vibrator, a rotatable shaft journaled in the housing and having one end portion projecting therefrom to be driven by a prime mover and having its other end portion projecting into said fluid chamber, a fluid displacement cam partially filling said fluid chamber and mounted on the last mentioned end portion of said shaft for rotating therewith, and means cooperating with the periphery of said cam for dividing the unfilled portion of the fluid chamber into two separate sections which communicate respectively with the aforesaid separate fluid passageways, whereby rotation of the cam will cause fluid to flow alternately in opposite directions between each fluid chamber section and the cylinder end portion connected thereto to bring about reciprocation of the piston in the cylinder in timed relation to the rotation of the cam.



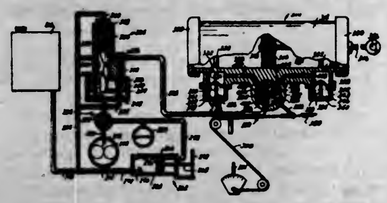
2,482,791
NAVAL POWER PLANT
Frederick Nettel, Manhasset, and John Kreitner, New York, N. Y.
Application April 20, 1945, Serial No. 589,360
6 Claims. (Cl. 115—34)



1. In a combustion power plant of the continuous heating type for the propulsion of ships requiring widely different power ranges for maximum and cruising powers, comprising main air compressor means for compressing a stream of air, main air expansion means for developing power first power transmission means connecting said expansion means and said compressor means, a ship propeller, first disconnectable power transmission means disposed to connect said expansion means to said propeller, first conduit means from said compressor to said expansion means comprising heat exchange surfaces for heating said compressed air stream by heat exchange with the

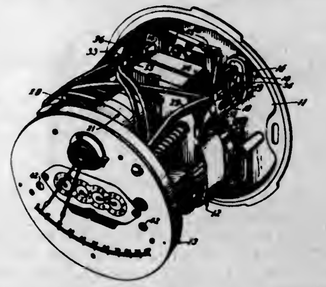
air issuing from said expansion means and with hot gases from the combustion of fuel, a furnace for the production of said gases arranged for combustion at superatmospheric pressures, second conduit means for returning a substantial portion of said air stream from the outlet of said expansion means to the inlet of said compressor in a substantially closed main circuit arranged to operate within ranges of superatmospheric pressures, said second conduit means comprising heat exchange surfaces for effecting said heat exchange with the compressed air issuing from said main compressor means, and cooling means for the return air disposed in front of the inlet to said main compressor means, third conduit means branching off said second conduit means for leading the remaining portion of said stream issuing from said main air expansion means to said furnace to serve therein as combustion air for the fuel burned during maximum power operation, cruising compressor means, a cruising combustion chamber with valved fuel admission pipe, cruising gas expansion means for developing power, and fourth conduit means connecting said furnace in succession to said cruising combustion chamber, to said cruising gas expansion means, and thence to the atmosphere; second disconnectable power transmission means disposed to connect said cruising expansion means to said same ship propeller, and second power transmission means connecting said cruising expansion means to said cruising compressor means, the latter being disposed to take in a continuous air stream from the ambient atmosphere and to discharge it into said second conduit means between said heat exchange surfaces and the inlet of said main compressor means; operating means for connecting the power transmission means between the ship propeller and said main air expansion means, for disconnecting said power transmission means between said same ship propeller and the cruising expansion means, and for opening said fuel feed valve means to the furnace during operation of the plant for maximum power; said operating means also disposed for disconnecting the power transmission means from the main expansion means, connecting the power transmission means from the cruising expansion means to said propeller, closing said fuel feed valve means to the furnace, and opening said fuel feed valve means to the cruising combustion chamber to effect combustion therein during operation of the plant for cruising.

2,482,792
SINGLE-LINE HYDRAULIC SYSTEM
Nasser D. Owen, Albuquerque, N. Mex.
Application May 27, 1944, Serial No. 537,665
4 Claims. (Cl. 60—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



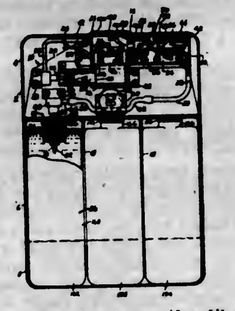
1. A hydraulic system comprising, in combination, a servomotor having two fluid compartments, fluid actuated means movable by increase of the fluid volume in one compartment and decrease of the fluid volume in the other compartment, power take-off means associated with said fluid actuated means, a chamber in direct communication with each compartment, said chambers each including a displaceable means for varying their volumetric capacity when the amount of fluid is altered therein without a corresponding movement of the fluid actuated means, a single long fluid transfer pipe having one end proximate said compartments and the other end remote therefrom, a fluid transfer means for moving fluid into one of said compartments and withdrawing fluid from the other of said compartments, said fluid transfer means including first, a pump connected to the remote end of said long transfer pipe, second, resilient means for restoring said displaceable means after said displaceable means have been displaced for varying the volumetric capacity of said chambers, and third, a valve mechanism for alternately connecting said proximate end to one compartment when the flow is in one direction and to the other compartment when the flow is in the other direction, and selector means shiftable to reverse the connections of said valve mechanism, whereby, before the shift, said proximate end may be connected to a given compartment for one direction of flow and, after the shift, be connected to the same compartment but for the other direction of flow.

2,482,793
CONNECTING MECHANISM FOR DEMAND METERS
Louis Arthur Paine and Kenneth Melvin Smith, West Lafayette, Ind., assignors to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application October 26, 1946, Serial No. 705,946
6 Claims. (Cl. 171—34)



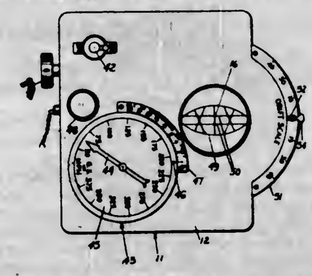
6. A connecting mechanism including a connector for connection to a wire of the circuit being measured, a lead conductor, a pair of circuit terminals disposed in parallel relationship and lying between the connector and the lead conductor, insulating means separating the circuit terminals, screw means extending through the connector, the terminals and the lead conductor for clamping together the conductor, the terminals and the connector as a pile and for clamping together in contact with one another the conductor and the connector when the terminals and the insulating means therebetween are removed, said terminals and said insulating means as an assembly being provided with a slot extending thereinto from one edge of a dimension to encompass said screw means, and said terminals and insulating means being removable from the screw means and from between the connector and conductor while the screw means is maintained passing through the connector and conductor.

2,482,794
PORTABLE LIGHTER AND THE LIKE
Robert E. Peterson, Los Angeles, Calif., assignor to Repeter Products, Inc., Long Island City, N. Y., a corporation of New York
Application September 12, 1944, Serial No. 553,701
21 Claims. (Cl. 67—7)



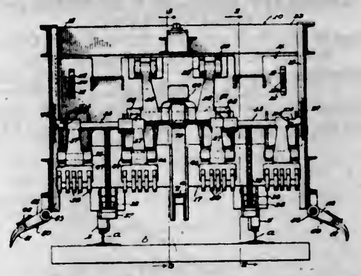
5. In a portable torch or the like, the combination of, a receptacle for a low boiling liquefied fuel which is maintained in its liquid form by reason of its own vapor pressure, said receptacle including an outlet fitting, a resilient sealing element in said fitting, fuel igniting and burning mechanism detachably associated with said receptacle, a conduit connecting said receptacle and said fuel burning mechanism, said conduit having at one end a hollow needle-like member adapted to be forced through said sealing element without materially damaging or displacing it from said fitting when said receptacle and said fuel igniting and burning mechanism are attached, a valve structure operatively associated with said conduit and being normally closed to preclude the flow of gaseous fuel therethrough but openable to permit flow therethrough, said fuel burning mechanism including a burner chamber, a carbureting assembly at the other end of said conduit for ejecting an air-fuel mixture into said burner chamber, and a manually operable transmission system for opening said valve and effecting operation of said fuel igniting mechanism to ignite the air-fuel mixture flowing into said burner chamber.

2,482,795
GROUND SPEED AND DRIFT INDICATOR
Robert Wayne Philabaum, deceased, late of Elkhart County, Ind., by Thelma Philabaum, administratrix, Elkhart, Ind.
Application May 27, 1946, Serial No. 672,499
6 Claims. (Cl. 33—46.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



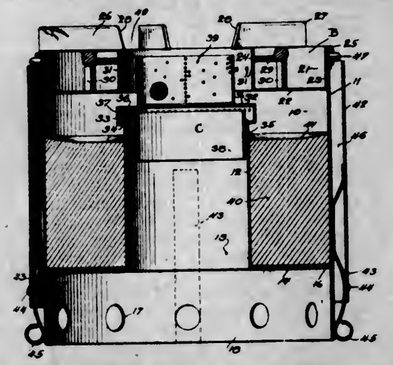
1. A ground-speed indicator comprising a pair of oppositely rotatable discs, said discs having over-lapping transparent portions, indices on said discs to form a moving pattern adapted to pass the line of vision of an observer looking toward the ground, means for synchronously rotating said discs, means for controlling the rotational speed of said discs to synchronise movement of the pattern with apparent movement of the ground past the observer's line of vision, and means responsive to rotational speed of said discs for indicating ground speed.

2,482,796
BALLAST TAMPING MACHINE FOR RAILWAYS
Frank H. Philbrick, Evanston, Ill.
Application August 15, 1947, Serial No. 768,890
18 Claims. (Cl. 104—12)



1. In a ballast tamping machine for railways, the combination with a portable frame, tamping elements, mechanism carried by the frame for operating the elements to tamp the ballast in the cribs between the ties; of shovels mounted on the frame to operate transversely of the railway track for displacing ballast from the road bed along the outer side of the track into position to be tamped in a crib by said elements, and means controlled by said mechanism for intermittently operating the shovels.

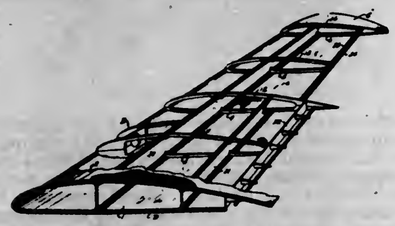
2,482,797
PRESSURELESS GASOLINE STOVE
Earle D. Quinnell, United States Army, Carlisle Barracks, and Chester L. Eppley, Mount Holly Springs, Pa.
Application May 9, 1944, Serial No. 534,736
7 Claims. (Cl. 126—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pressureless gasoline stove comprising an annular fuel reservoir having spaced outer and

inner walls and adapted to receive fuel absorbent material, said reservoir having its outer wall higher than its inner wall, a removable grate and flame restricting member mounted on said outer wall and extending inwardly toward said inner wall to cover the reservoir and form a restricted passage with said inner wall, and a removable burner cap supported on said inner wall in spaced relation to said grate and receiving air from below to the space within the inner wall, said cap having perforations for the admission of fuel vapor and perforations for the escape of mixed vapor and air, said last-named perforations being located in a plane above said first-named perforations.

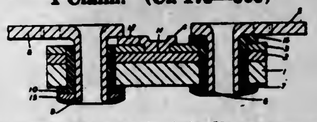
2,482,798
AIRCRAFT WING AND METHOD OF MANUFACTURE
George B. Rheinfrank, Jr., Perrysburg, Ohio, and Wayne A. Norman, Dubuque, Iowa
Application February 27, 1946, Serial No. 650,592
18 Claims. (Cl. 244—123)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an airplane wing construction of airfoil cross section having complementary upper and lower surfaces, and having spar members running spanwise of the wing with rib members extending transversely thereof; the improvement in which said upper and lower surfaces form a unitary double walled monocoque shell having the inner and outer walls thereof formed of a plurality of layers of fabric impregnated with a thermosetting resin and bonded to each other and to a low density core material, said spar members having the flanges thereof bonded to the outer walls of the shell and the inner walls of the shell having integral upstanding web portions bonded to the webs of the spars.

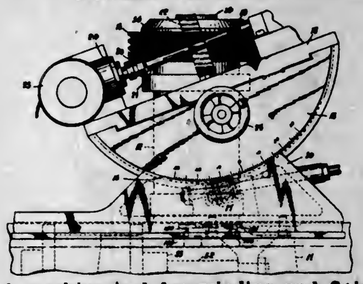
13. A method of making a monocoque stressed skin shell section for aircraft comprising the steps of providing a mold corresponding to the desired external contour of the shell, laying up a plurality of layers of synthetic resin coated fabric on the mold surface to form an outer face, wrapping strips of low density core material with resin coated fabric to form stiffening elements with certain of said stiffening elements being arranged in parallel spaced relation to form flange members, covering insert forms with resin coated fabric and positioning the same in the space between said flange members, applying a low density core material to the uncovered portions of the material of the outer face, applying an inner skin of a plurality of layers of synthetic resin coated high strength fabric over the core material, stiffening elements and insert forms, applying curing heat and pressure to the assembly and trimming the molded material from the tops of the inserts to permit the removal of the same.

2,482,799
DRY CONTACT TYPE ELECTRICALLY ASYMMETRIC DEVICE
Edward Arthur Richards and Leslie James Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application December 13, 1946, Serial No. 716,158
In Great Britain December 21, 1945
1 Claim. (Cl. 175—366)



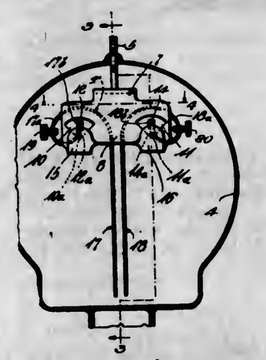
A dry contact type electrically asymmetric element that comprises: an elongate flat metallic base element having a pair of openings formed therein, one being located near each end thereof; a layer of semi-conductive material overlying the top surface of said base element; an electrically insulative coating covering the exposed top surface of the semi-conductive layer with the exception of a relatively small localized area spaced from and located intermediate the openings formed in the base element; a counter-electrode on said insulative coating, positioned around marginal portions a first but not the second of said pair of openings in the base element and making contact with the semi-conductive layer throughout the exposed localized area not covered by the insulative coating; a pair of electrically insulative sleeves, each having a flange integrally formed on one end thereof, positioned within and extending through said openings in a manner such that the flange of the sleeve in the said first opening overlies a portion of the bottom surface of the base element at the margin of the opening, and the flange of the sleeve in the said second opening overlies a portion of the insulative coating on the semi-conductive layer at the margin of the opening; a pair of rivet elements having radially extending lugs formed integrally with the heads thereof, within said insulative sleeves, the ends of said rivets remote from the heads being provided with metallic washers and being bent over said washers whereby the rivet in the first opening is electrically connected with the counter-electrode and the rivet in the second opening is connected with the base element.

2,482,800
GEAR GRINDING AND LAPPING MACHINE
Walter F. Ross, Northville, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application April 8, 1946, Serial No. 660,349
9 Claims. (Cl. 51—45)



1. A machine tool for grinding and finishing gear blanks, comprising a threaded grinding wheel for conjugate coaction with a gear blank to be ground, means to axially move said wheel, means for relatively moving the gear blank and grinding wheel with respect to one another during the grinding operation, and means for varying the speed of angular displacement of the grinding wheel while both grinding wheel and gear blank are continuously rotating to compensate for said axial movement of said wheel.

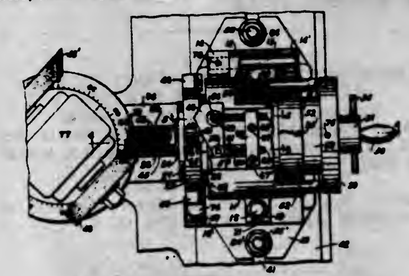
2,482,801
ELECTROSTATIC MEASUREMENT OF HIGH-FREQUENCY VOLTAGE
Auguste Louis Marie Antoine Rouy, New York, N. Y., assignor to L. L. H. Company, Erie, Pa., a partnership
Application July 25, 1945, Serial No. 607,052
12 Claims. (Cl. 171—95)



1. In a system for measuring high frequency voltages a device adapted to be capacitatively related to a high frequency circuit in which the voltage is to be measured, said device comprising an evacuated envelope, a supporting means disposed in said envelope, means extending externally from said envelope and connected with said supporting means and adapted to establish capacitative relation to the high frequency circuit whose voltage is to be determined, a pair of angularly displaceable capacitatively related members mounted in spaced positions on said supporting means, said members being pivotally suspended and adapted to gravitationally hang in substantially parallel spaced planes, a light reflecting surface carried by one of said angularly displaceable capacitatively related members and means for restricting said members for movement in predetermined limits and restricted against endwise displacement.

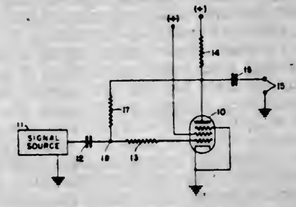
2,482,802
HEADSTOCK FIXTURE FOR GRINDING CUTTING TOOLS
Joseph J. Sanders, Philadelphia, Pa.
Application April 18, 1946, Serial No. 662,993
2 Claims. (Cl. 51—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a tool grinding fixture, the combination of a base having post members extending perpendicularly therefrom, a cylindrical body horizontally supported by said post members for limited forward and backward movement in a direction perpendicular to said body's longitudinal axis, a concentric spindle rotatably carried within said body and movable longitudinally therein, tool holding means carried by said spindle in axial alignment therewith, a first cam member adjustably mounted on said body together with means for fastening said member in various positions as required, a second cam member pivotally mounted on said base together with means for fastening that member in various required positions, and adjustable cam follower members borne



by said spindle upon whose rotation they at one time or another engage first one and then the other of said first and second cams, at least two of said followers simultaneously engaging both said first and second cams and thereby functioning simultaneously to move said tool holding means axially and vertically without interfering with its rotation.

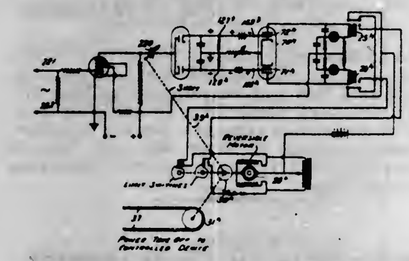
2,482,803
ELECTRONIC SIGNAL SHAPING CIRCUIT
Carl Harrison Smith, Jr., Arlington, Va., and Milton L. Kuder, Washington, D. C.
Application September 13, 1946, Serial No. 696,980
3 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A generator device for producing symmetrical square wave electrical signals, comprising; a signal generator device for producing sinusoidal signals of variable amplitude having frequency correspondence with the frequency of the desired square wave signals, a clipper circuit comprising an electron tube having anode, cathode, and control grid electrodes suitable for overdriven amplifier operation, an anode voltage supply for said tube, coupling means transferring the sinusoidal signal to the control grid electrode of said electron tube in sufficient amplitude to consecutively drive said electron tube to anode current saturation and anode current cutoff, said coupling means comprising a series-connected combination of a capacitive element and a resistive element whose free end is connected to the grid electrode of said electron tube, an output circuit operatively connected to the anode electrode of said electron tube and to the anode voltage supply therefor, and a resistive element operatively connected between said output circuit and the input circuit for feed-back to said input circuit of a voltage proportional to the average voltage existing in said output circuit whereby an average

voltage of substantially zero volts is maintained in the input circuit at a point between the series connected capacitive element and the resistive element and whereby the square-wave voltage signals developed in the output circuit is maintained substantially symmetrical despite frequency and amplitude fluctuations of said applied sinusoidal signals.

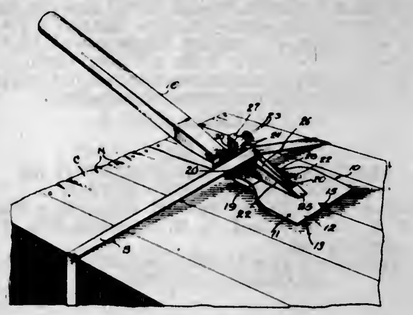
2,482,804
FREQUENCY MEASURING DEVICE AND REMOTE-CONTROL SYSTEM
Edward M. Sorensen, Dayton, Ohio
Original application May 16, 1940, Serial No. 335,517. Divided and this application March 24, 1941, Serial No. 385,028
11 Claims. (Cl. 318—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. In a positioning system controlled by frequency, the combination comprising means for limiting the peak of the input control voltage, a pair of reversely connected rectifier tubes having input and output circuits, a series capacitor in the input circuit and a pair of resistors in the output circuit bridged across the output anode and cathode, and including variable taps for said resistors, a pair of capacitors connected in series and bridged across the resistor input terminals and having the mid-point grounded, a pair of amplifier tubes each having an anode, cathode and grid including means for biasing the grids for normal equilibrium potential and connected to said variable taps, means for restoring said equilibrium potential when unbalanced by a change in input frequency, said restoring means including relay means in the plate circuit of each amplifier adapted to control a reversible motor, a mechanical connection from said motor adapted to move said variable taps in a direction to restore equilibrium potential to the grids of said amplifiers, means for transmitting changes in motor position to the frequency controlled device, and indicator means calibrated in frequency positioned by said motor.

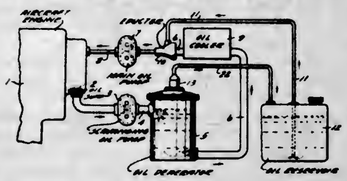
2,482,805
CONTAINER BAND SEVERING TOOL
Charles E. Stafford, United States Army, Mira Loma, Calif.
Application April 18, 1944, Serial No. 531,594
3 Claims. (Cl. 7—14.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A container-opening tool comprising a flat base formed into a relatively wide blade at the forward edge thereof to provide a relatively wide entrance and fulcrum portion, a rearwardly extending handle on said base, a triangular cutting blade normal to said base, a blade housing projecting vertically from said base, and support means in said housing projecting upwardly from said base to a height sufficient to maintain the lowermost point of the rear portion of said tri-



angular cutting blade out of contact with said base, with a cutting edge of said triangular cutting blade projecting out of said housing in severing position.

2,482,806
LUBRICATION SYSTEM
James A. Stahn, Racine, Wis.
Application January 5, 1948, Serial No. 477
2 Claims. (Cl. 184—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

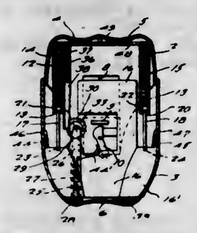


1. In combination with a closed lubrication circulation system for aircraft internal combustion engines having a sump, a reservoir, a de-aerating chamber, pump and conduit means connected between the sump and the de-aerating chamber for pumping fluid from said sump to said de-aerating chamber, recirculation conduit means between the de-aerating chamber and the engine for returning at least a portion of the fluid received by said de-aerating chamber to said engine, a return conduit connected between the de-aerating chamber and the reservoir for returning fluid from said de-aerator to the reservoir; of a fluid metering valve means in said last-mentioned conduit having a valve seat and metering valve means normally engaging said seat, and low temperature responsive valve actuating means for unseating the said metering valve means at predetermined low temperature to by-pass the fluid in the return conduit around the metering valve means when the temperature of the fluid is below said predetermined low temperature.

2,482,807
CIGARETTE LIGHTER
Loy M. Strother, Albemarle, N. C.
Application November 2, 1945, Serial No. 626,254
3 Claims. (Cl. 67—7.1)

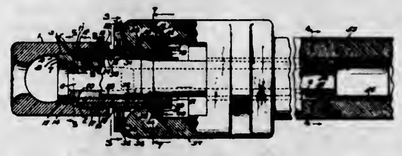
1. An ignition device, comprising a fuel tank, a snuffer, an igniter, inner and outer shells slidably connected together through a plurality of mediums, one of which is the fuel tank, said inner and outer shells having flame openings in the sides

thereof, said fuel tank having a wick support projecting laterally therefrom, said tank having projecting side walls thereon defining supports for the snuffer and the igniter, said snuffer and igniter being operatively located in front of the wick support, said inner shell having a reciprocable rack in engagement with said igniter, a housing in said inner shell slidably receiving a portion of said rack and guiding the same



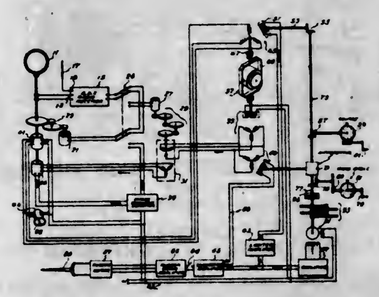
throughout its reciprocating movements, and a helical spring located in said housing between said rack and the remote end of said housing, said spring being connected at one of its ends to the rack and at its other end to the housing, the bias of said spring being such that it functions as a retracting spring for the rack to restore the rack to its initial position and also functions after retarded motion of the rack to accelerate the motion of both the rack and the igniter.

2,482,808
ADAPTER FOR GUNS
William Summerbell, Washington, D. C.; Edith May Summerbell executrix of said William Summerbell, deceased
Application August 15, 1946, Serial No. 690,649
10 Claims. (Cl. 89—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an adapter for mounting the barrel of a first gun of smaller caliber within the breech ring and barrel of a second gun of larger caliber, the breech ring of the second gun having an apron defining front and rear faces, a locking sleeve secured to and extending about the breech portion of the barrel of said first gun, means rigidly securing said locking sleeve to said second gun, said means including an external flange secured to said sleeve and axially adjustable there-along, said sleeve having a peripheral external groove at its forward end, said groove being positioned within the breech ring of said second gun when said first gun is inserted thereinto with said flange abutting the rear face of the apron of said second gun, and a locking yoke insertable in said groove to engage the front face of said apron and thereby hold said flange in abutting relation with the rear face of said apron to secure said guns in assembled relation.

2,482,809
RADIO CRAFT GUIDANCE SYSTEM
Herbert H. Thompson, Huntington, N. Y., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application April 8, 1948, Serial No. 19,711
12 Claims. (Cl. 343—117)



1. Apparatus for guiding a craft along a selected course line of bearing of a radio transmitting station, comprising a radio direction finder, a directional reference device, means coupled to said direction finder and said directional reference device and adjustable to the selected course line of direction for producing a first signal varying according to deviation of the bearing of the radio station from the direction of the selected course, means for producing a second signal varying according to deviation of the heading of the craft from a preset heading corresponding to the direction of said course, automatic craft steering means responsive to said first and second signals for varying the heading of the craft to maintain balance between said first and second signals, and means responsive to said first signal for gradually introducing a change of the craft heading maintained in the absence of bearing deviation.

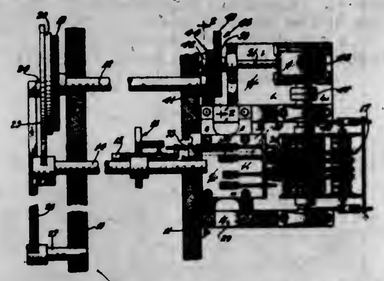
2,482,810
METHOD OF PRODUCING ARYL PHOSPHORUS OXYDICHLORIDE
Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application November 14, 1945, Serial No. 628,669
12 Claims. (Cl. 260—543)

1. The process which comprises reacting an aryl phosphorus dichloride with phosphoric anhydride and gaseous chlorine to produce the corresponding aryl phosphorus oxydichloride and phosphorus oxychloride.

2,482,811
MOTION FOR WARP KNITTING MACHINES
William O. Traumuller, Teaneck Township, Bergen County, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application September 30, 1947, Serial No. 777,065
7 Claims. (Cl. 66—86)

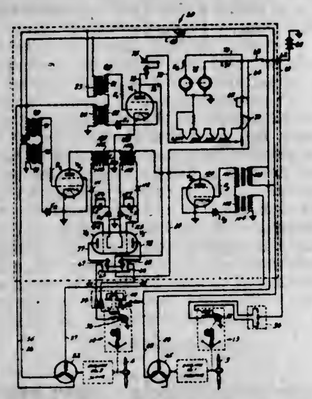
1. Mechanism for imparting endwise movement to a longitudinally movable guide bar in a warp knitting machine, said mechanism comprising a pattern cam for imparting longitudinal movement to the guide bar, and a drive for continuously rotating said cam including means having cooper-

ating surfaces of varying contour for continuously and alternately effecting fast and slow rota-



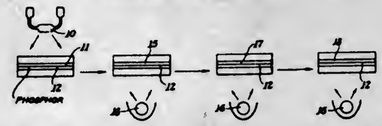
tive movement of said cam while said cam is rotating.

2,482,812
ELECTRONIC SYNCHRONIZER
Robert C. Treseder, Dayton, Ohio
Application November 17, 1944, Serial No. 563,975
6 Claims. (Cl. 175—355)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



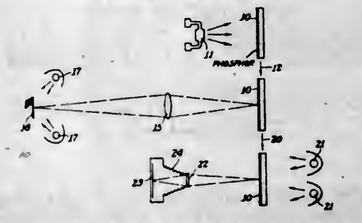
1. In a frequency discriminator for determining the speed deviation of a three-phase alternator from a preset speed, means for generating a single-phase current having a frequency proportional to said pre-set speed, a plurality of frequency comparison devices each having inputs connected to a respective phase of said three-phase alternator and to said means for generating a single-phase current and having an output delivering a current having a frequency equal to the difference in frequency between the currents being compared, said comparison devices having the output voltages thereof rising to peak values sequentially in one order upon an increase in alternator speed from the pre-set speed and in a different order upon a decrease in alternator speed from the pre-set speed, a plurality of biased grid gas discharge tubes each having its grid connected to the output of a respective one of said comparison devices, a source of plate current for one of said tubes, a condenser adapted to be charged from said plate current source each time said last-named tube becomes conducting, and electrical connections between the condenser and the plates of the remaining gas discharge tubes whereby the condenser upon discharging supplies plate current to said last-named tubes, one of the latter tubes being rendered conducting upon a speed increase and the other upon a speed decrease of the alternator with respect to the pre-set speed, and the charging and selective discharging of said condenser being in cycles at a frequency proportional to the existing speed deviation.

2,482,813
PHOTORECORDING
Franz Urbach, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1946, Serial No. 657,135
1 Claim. (Cl. 250—65)



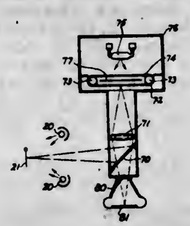
The method of making a plurality of photographic records of an image which comprises impinging said image in short wavelength radiation on a layer of a phosphor material of the type which is excited by, and stores the energy of, said short wavelength and which will release part of the energy when stimulated by longer wavelength radiation to emit actinic radiation of intermediate wavelength, placing photosensitive layers sensitive to said actinic light, successively in contact with the phosphor layer, stimulating the latent luminous image for each successive layer to form thereon an image of said intermediate wavelength light, increasing the intensity of the stimulating for successive layers to counteract the falling off of stimulability with successive stimulations and processing the layers to photographic images.

2,482,814
PHOTORECORDING
Franz Urbach, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1946, Serial No. 657,136
6 Claims. (Cl. 250—65)



6. The method of delayed action formation of a visible image from a long wave length image which comprises substantially uniformly exciting with short wave length radiation, a layer of a phosphor of the type which stores the excitation energy and releases at least part of it, in trigger fashion, when stimulated by longer wave length light, the released energy being visible light of wave length intermediate between the exciting and stimulating radiation wave length, forming an image in said longer wave length light on the phosphor layer to exhaust the excitation thereof in proportion to the image intensity and then later illuminating the phosphor layer with said longer wave length light to produce by stimulation an optical image in said visible intermediate wave length light negative to said longer wave length image.

2,482,815
INFRARED PHOTOGRAPHY
Franz Urbach, Rochester, N. Y., assignor to University of Rochester, Rochester, N. Y., a corporation of New York
Application March 26, 1946, Serial No. 657,137
1 Claim. (Cl. 250—65)



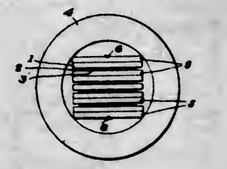
The method of photography with photosensitive material and using light of wavelength longer and hence of lower quantum energy than that required to expose the material, which comprises, (*a*) exciting uniformly with short wavelength radiation a layer of a phosphor of the type which stores the excitation energy and releases it, in trigger fashion, when stimulated by longer wavelength radiation, the released energy being light of wavelength intermediate between the exciting and stimulating radiation wavelengths, (*b*) placing the excited phosphor layer in contact with a layer of photosensitive material sensitive to the intermediate wavelength light and sufficiently transparent to said longer wavelength not to destroy the longer wavelength image, (*c*) focusing an image in said longer wavelength light through the sensitive layer onto the phosphor layer to expose the photosensitive layer by the light released and (*d*) processing the photosensitive layer to a photographing record.

2,482,816
METHOD OF WATERPROOFING TEXTILES WITH ZIRCONYL COMPOUNDS
Henry L. Van Mater, Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 8, 1943, Serial No. 490,079
8 Claims. (Cl. 117—167)

8. The method of rendering textile goods water repellent which comprises wetting the goods with a mole for mole solution of the acetic acid co-ordination compound of basic zirconyl acetate and sulfanilic acid and thereafter drying the goods in the neighborhood of 100° C.

2,482,817
RECTIFIER
David Vitrogan, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 17, 1945, Serial No. 594,247
1 Claim. (Cl. 175—366)

A dry selenium rectifier unit that comprises a plurality of rectangular base elements, each of said elements having thereon a semi-conductive layer of selenium with an overlying layer of metallic counter-electrode, said elements being arranged in superimposed stacked relationship, and an electrically insulative cylindrical tubular member around said stacked elements, having its axis parallel to the edge of each of said elements and having its interior surface in forced engagement with marginal portions only of the rectifier elements located at the ends of the stack along



the edges thereof whereby the rectifier elements are pressed against each other to establish electrical connection therebetween.

2,482,818
STRIP CHART HOLDER
Frank J. Walters, United States Navy
Application January 16, 1946, Serial No. 641,553
5 Claims. (Cl. 40—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

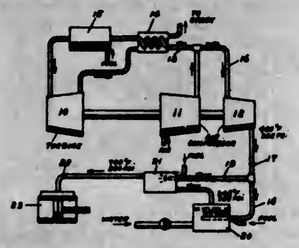


5. A holder for strip charts comprising a resilient U-shaped clamp member, a transparent shield member suitably fixed to said clamp member, said transparent shield member comprising a flat face surface and downwardly dependent end portions, bearing loops dependent from said face surface, roller members rotatably mounted in said bearing loops and adapted to support and manipulate a strip chart, said downwardly dependent end portions being adapted to serve as a supporting means and cooperating with said clamp member to provide multiple point support for said transparent shield member upon the limb of an operator.

2,482,819
RECIPROCATING ENGINE PLANT WITH GAS TURBINE CYCLE AND SUBMERGED COMBUSTION BOILER
Arthur Williams, Munster, Ind., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application December 23, 1947, Serial No. 793,386
3 Claims. (Cl. 60—49)

1. In a power system including an air compressor, a combustion chamber, a gas turbine, means coupling said turbine to said compressor, means for branching off a portion of the air and heating it in said combustion chamber, means for admitting said heated air to the gas turbine; an expansion engine; a submerged combustion boiler; a separately fired superheater; fuel burning means for said boiler and superheater; means for supplying the remaining portion of the compressed air to said boiler and superheater as pri-

mary air; and means for conveying the steam and gaseous products of combustion from said



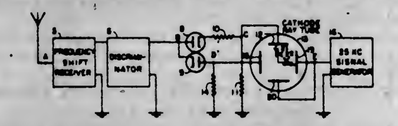
boiler to said superheater and thence to the expansion engine.

2,482,820
PERIODIC ELECTROMAGNETIC RELAY
Henry Wolfson and Stanley Carden Shepard, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1943, Serial No. 483,521
In Great Britain May 28, 1942
3 Claims. (Cl. 175—373)



1. A circuit arrangement for periodically operating an electromagnetic relay from a source of electromotive force comprising, an indirectly heated thermistor, a winding for the electromagnetic relay, said winding and the resistance element of said thermistor being connected in series to the source of electromotive force, a first adjustable constant resistance and a second adjustable constant resistance, a heating coil for said thermistor, the said heating coil being connected to the said source in series with the said second adjustable resistance, and a pair of contacts for said electromagnetic relay, said contacts being in series with said heating coil and said second adjustable resistance.

2,482,821
VISUAL TUNING INDICATOR FOR FREQUENCY MODULATION SIGNALS
Charles E. Young, Washington, D. C.
Application November 21, 1947, Serial No. 787,265
6 Claims. (Cl. 250—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



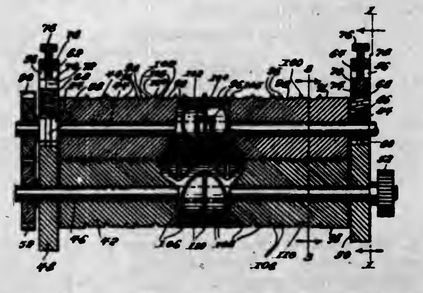
1. A device for indicating the relative amplitude of the positive and negative excursions of a rectangular shaped voltage wave comprising, a cathode ray tube having four deflection plates in quadrature relation, means including a pair of unilateral impedances for applying the positive excursions to one deflection plate and the negative excursions to an adjacent deflection plate of said cathode ray tube so as to produce an angular sweep, a signal generating means, and means coupling said signal generating means to the remaining plates of said cathode ray tube so as to obliquely modulate said angular sweep.

2,482,822
STEREOSCOPIC SIGHT
Serge J. Zaroodny, Aberdeen, Md.
Application February 12, 1947, Serial No. 727,985
2 Claims. (Cl. 33—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



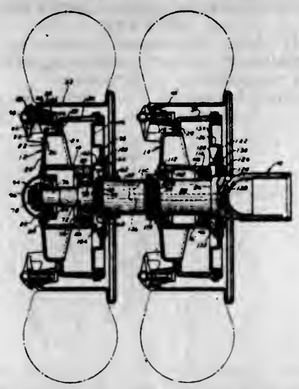
1. A reticle for a gun sight comprising a transparent disc having a series of spaced consecutive crosses whose points of intersection collectively define a regular curve extending upwardly from the lower terminus of the vertical central axis of said disc, and divergently from said axis, each said cross being formed of a pair of vertical and horizontal intersecting lines, each point of intersection corresponding to a predetermined range of a target, each said horizontal line having its termini positioned to afford the correct lead for a target moving at a predetermined speed transversely of the line of sight when a corresponding said terminus is aligned with said target.

2,482,823
FLOWER MAKING MACHINE
Harriet E. Adams, San Antonio, Tex.
Application March 13, 1946, Serial No. 654,026
1 Claim. (Cl. 41—2)



In a plant forming machine for simultaneously cutting, embossing and coloring a suitable material and at the same time inserting a wire stem therein, the combination, which comprises, a pair of parallel coacting rolls having cutting male and female dies in the surfaces thereof, configurations or veins within said cutting dies for embossing said material with lifelike markings therein, a supporting frame in which the rolls are mounted, resilient means urging one roll toward the other, means adjusting the resilient means, the cutting elements of said dies defining leaves, the said female die having a stem receiving groove therein, and said male die having a projection corresponding with the groove of the female die whereby superposed layers of material having a wire positioned therebetween is fed to the dies, the wire is stamped in the groove forming a stem, and a plurality of separated walled areas positioned within the dies in which coloring materials may be positioned to color the surfaces of the leaves formed by the dies.

2,482,824
DUAL WHEEL ASSEMBLY
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application November 29, 1945, Serial No. 631,596
12 Claims. (Cl. 301—36)



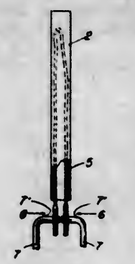
1. In a dual wheel assembly, an axle having at its outer end axially spaced wheel locating means, outer and inner dual wheels journalled on said axle for independent rotation, independently adjustable devices directly mounted on the axle at the outer sides of said wheels and cooperating with the respective wheels to urge said wheels inwardly on the axle against the respective locating means to maintain said wheels in accurately spaced parallel planes of rotation relative to the axle, a brake mechanism supporting adaptor member mounted on said axle at the inner side of the outer wheel independently of the adjusting device for the inner wheel, and additional means axially adjustable on the axle coacting with said member to removably secure the same in fixed relation to the axle.

2,482,825
PUTTY COMPRISING A LIQUID MONOMER AND A FINELY DIVIDED SOLID INSOLUBLE POLYMER
James L. Amos and Earl D. Morris, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application July 5, 1946, Serial No. 681,590
1 Claim. (Cl. 260—45.5)

A putty comprising a polymerizable liquid vinyl aromatic hydrocarbon having the vinyl radical attached to a carbon atom of the aromatic nucleus, a minor amount of a polymerization catalyst and a finely divided solid benzene-insoluble copolymer of styrene, ar-ethyl-vinyl-benzene and divinylbenzene in amount sufficient to form a plastic paste.

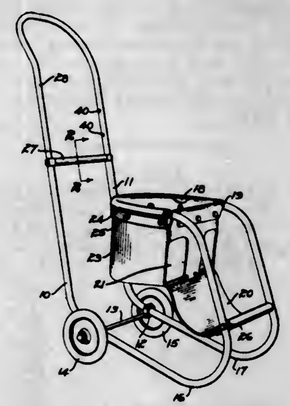
2,482,826
FILAMENT STRUCTURE FOR THERMIONIC TUBES
Harry Bender, Bloomfield, and William B. Voorhis, Scotch Plains, N. J., assignors to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware
Application August 4, 1945, Serial No. 608,960
18 Claims. (Cl. 250—27.5)

1. A cathode heating filament assembly for thermionic tubes comprising an elongated filamentary coiled heated element and a hollow cathode into which the coiled filament extends, said filament having mounting terminals formed of cores disposed in the end sections of the coil filament with the core having a cross sectional



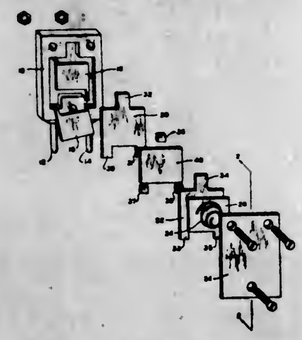
area approximating the cross sectional area of the interior of the filament coils and with the outer ends of the cores flattened on two sides and the filamentary turns embedded in the flattened surfaces.

2,482,827
BABY VEHICLE
Leonard John Black, Hawthorne, Calif.
Application July 28, 1947, Serial No. 764,127
4 Claims. (Cl. 155—11)



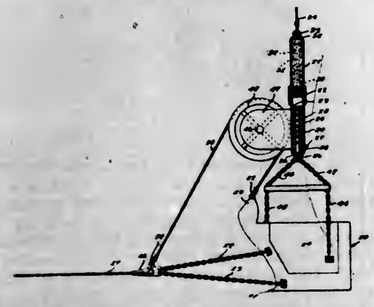
3. In a child's vehicle of the class described, the combination of a seat frame, a child's seat suspended from the frame, resilient supporting means for the frame including a pair of side members, a rear axle below said frame, wheels on said axle, means connecting the side members to said axle, the side members extending forwardly and downwardly from the axle location to provide front skids and then extending rearwardly and upwardly to support said frame, the skids and wheels being adapted to support the vehicle upon the seat cushion of an automobile seat, with the wheels contacting both the seat cushion and back cushion thereof, and anchor means for maintaining the vehicle in position on the automobile seat, said anchor means including an element removably secured to the axle and extending between the seat and back cushions.

2,482,828
MOUNTING FOR PIEZOELECTRIC ELEMENTS
Virgil E. Bottom, Leonardo, N. J., assignor to the United States of America as represented by the Secretary of War
Application April 3, 1945, Serial No. 586,424
5 Claims. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



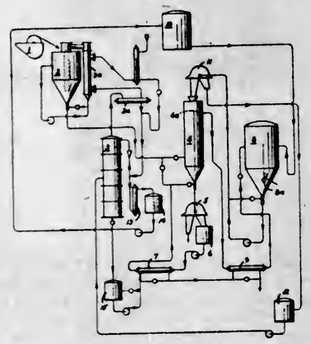
1. A piezo-electric unit including a piezo-electric plate, an electrode plate mounted on each side of said element, each of said electrode plates having three extensions protruding beyond the side area of said piezo-electric plate, the extensions of one electrode being in substantial register with the corresponding extensions of the other electrode plate, and a dielectric spacer inserted between each corresponding pair of said extensions, the thickness of said spacers being greater than the thickness of said piezo-electric plate, whereby said electrode plates form a free mounting for said piezo-electric plate, and said spacers form a three-point suspension for said electrode plates.

2,482,829
DUMPING DEVICE FOR BUCKETS
Mozel A. Adams, Rayne, La., assignor of one-half to Carroll V. Radke, Jennings, La.
Application March 30, 1948, Serial No. 17,896
4 Claims. (Cl. 37—135)



1. A dumping device for an excavating bucket, a barrel, a compression spring housed in the barrel, a piston in the barrel, a rod depending from the piston and projecting through the lower end of the barrel, a bucket, means connecting the bucket with the projecting end of the rod, said spring being disposed between the piston and the lower end of the barrel, a pulley mounted externally on the barrel, a drag line connected to the bucket, a dumping cable trained over the pulley and connected to the drag line and the bucket, and a hoisting cable connected to the upper end of the barrel.

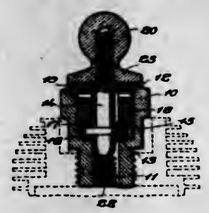
2,482,830
PRODUCTION OF ANHYDROUS SODIUM SULFATE
Lyman H. Allen, Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 23, 1945, Serial No. 612,277
9 Claims. (Cl. 23—121)



4. A process for converting Glauber's salt to anhydrous sodium sulfate which comprises melting Glauber's salt in a saturated sodium sulfate solution maintained at a temperature above the transition temperature of the decahyrate, withdrawing the anhydrous sodium sulfate thus precipitated in a slurry with a portion of the saturated solution, separating the anhydrous salt from the solution, mixing the saturated solution separated from the anhydrous salt with acetone at a temperature above the transition temperature of the decahydrate to precipitate anhydrous sodium sulfate, and thereafter washing the anhydrous salt precipitated by the acetone by passing it counter-currentwise to that portion of the saturated sodium sulfate solution resulting from melting of the Glauber's salt which is withdrawn in said slurry.

2,482,831
IGNITION PLUG
Thomas Raymond Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application January 16, 1948, Serial No. 2,751
1 Claim. (Cl. 123—145)

An ignition plug comprising a plug body having its inner end portion exteriorly threaded for threaded engagement in an opening in an internal combustion engine, said plug body having therein inner and outer bores connected with each other and opening through its inner and outer ends, respectively, said inner bore being of lesser diameter than said outer bore whereby a shoulder is formed at the inner end of the latter, an electrical conductor extending through said larger bore into said smaller bore, a flange on said conductor, a washer of electrical insulating material seated against said shoulder inwardly of said flange and having said flange seated thereon, a second washer of electrical insulating material disposed outwardly of said flange and seated thereon, a nut threaded in said outer bore against said second washer and acting through said washers and said flange and said shoulder to clamp said conductor firmly to said plug body, said washers closely fitting said outer bore and snugly embracing said conductor whereby they act to hold said conductor coaxially with respect to said bores and spaced from the walls defining the sides of the latter, a heat retaining element disposed in said smaller bore and connected at spaced points to said conductor and

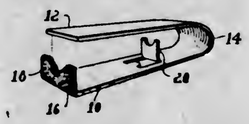


said plug body, whereby it is adapted to be heated electrically and also by the heat of combustion of fuel charges which it ignites to ignite subsequent fuel charges, said nut being disposed entirely within said outer bore, a washer of electrical insulating material seated against the outer end of said plug body and closing the outer end of said outer bore, and an electrical terminal element threaded on the outer end portion of said conductor against said last mentioned washer and serving to clamp the latter tightly against the outer end of said plug body.

2,482,832
PREPARATION OF TYROTHRICIN
Abraham Louis Baron, New York, N. Y., assignor to S. B. Penick & Company, New York, N. Y., a corporation of New York
No Drawing. Application November 21, 1945, Serial No. 630,130
4 Claims. (Cl. 195—96)

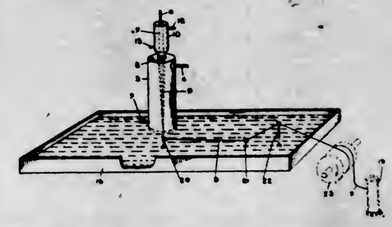
1. In the production of tyrothricin by deep tank fermentation, the process of fermenting with *Bacillus brevis* a liquor containing mineral salts, glucose, a single amino acid, and a thiourea compound.

2,482,833
AMPOULE OPENER
Michael B. Biro, Long Island City, N. Y.
Application November 8, 1946, Serial No. 708,583
4 Claims. (Cl. 51—205)



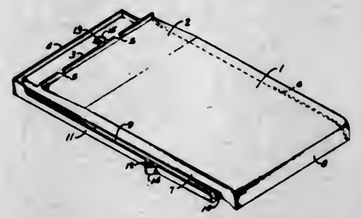
1. An ampule opener formed of strip metal having a cross-bar, a leg extending from each end of the cross-bar, one of the legs having a scoring member extending towards the other leg provided with a recess, said other leg having a plane ampule engaging face for pressing the ampule into the recess to score the ampule when rotated thereon.

2,482,834
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL FILAMENTS
Joseph E. Bludworth, Corpus Christi, Tex., and Canfield Hutson, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Original application March 4, 1944, Serial No. 525,036. Divided and this application April 2, 1946, Serial No. 659,030
2 Claims. (Cl. 18—8)



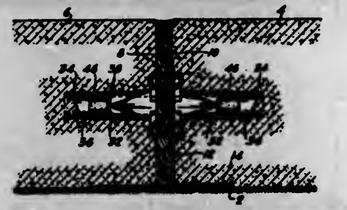
1. Apparatus for the production of artificial filaments from filament-forming materials by wet-spinning processes, comprising a spinning chamber and a spinning nozzle in said chamber for the extrusion of artificial filament-forming material, means for spraying a mist of liquid droplets into said chamber and means contiguous to the exit end of said spinning chamber for supplying non-solvent liquid to said filaments, the construction and arrangement being such that the exit end of the spinning chamber is at least partially submerged in said non-solvent liquid whereby the filaments come into immediate contact with the non-solvent liquid.

2,482,835
ROOFING TILE
William S. Bremer, New Washington, Ohio
Application December 11, 1945, Serial No. 634,214
2 Claims. (Cl. 108—10)



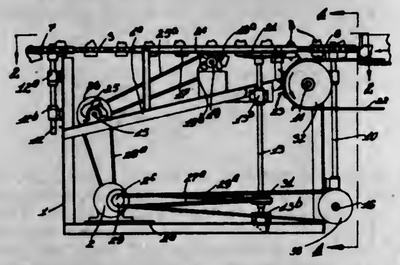
1. A tile for use as a roofing material, the tile having a generally flat upper surface, a depending uninterrupted lip extending around three sides of the flat surface, the lip along one side being extended horizontally and then vertically to form a trough along the side, said trough serving to receive the depending lip of a laterally adjacent tile, a narrow water barrier extending across the upper surface of the tile in the region that is lapped by a next higher course of tile, said water barrier extending toward but failing to reach any portion of a superjacent tile, and a raised lip starting at the end of the trough and extending along the lapped end of the tile and along the opposite end of the area between the water barrier and the end of the tile to partially bound an area between the raised lip and the barrier that constitutes a water separating pocket adapted to drain at least in part into the trough along the side of the tile.

2,482,836
TRANSLOAD DEVICE
Alan E. Brickman, New Haven, Conn., and Myron E. Capouch, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 28, 1945, Serial No. 619,158
10 Claims. (Cl. 94—18)



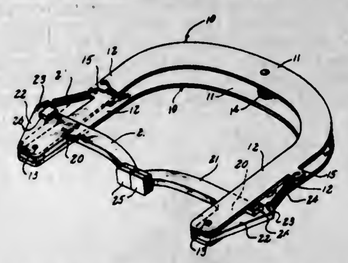
1. A transload device for expansion joints between slabs comprising a single vertical plate member, a filler extending along said vertical plate member, said filler and plate member having coaxial holes therethrough, a plurality of spaced apart cam lips extending outwardly from each side of the plate member, said filler having openings therein for passage of the cam lips on that side of the plate member adjacent the filler, a cam surface facing said plate member on each cam lip, a dowel socket on each side of the filler and plate member assembly, each of said sockets having an axial opening therein, cam faced flanges on the inner end of each socket engaging the adjacent cam surfaces on the cam lips to lock the socket in place between said plate member and cam surfaces, and a dowel pin in the openings in said sockets extending through the axial holes in said filler and plate member.

2,482,837
PIMENTO CORING MACHINE
William N. Buckner, San Diego, Calif., assignor to Old Mission Packing Corporation, Ltd., San Diego, Calif., a corporation of Nevada
Application March 7, 1945, Serial No. 581,443
8 Claims. (Cl. 146—52)



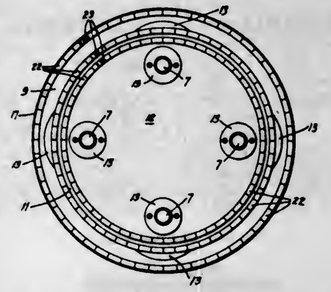
1. In a pimento coring machine, a pair of substantially parallel belts having opposed extending pins protruding into the space intermediate said belt, a revolving circular cutoff knife positioned near the lower side of said belts and communicating directly below the space between said conveyor belts arranged to cut off ends of pimentos extending below the edges of said belts, a revolving knockout mandrel having radially extending fingers positioned in spaced relation to said circular cutoff knife and positioned to engage the lower portion of pimentos between said belts with said radially extending fingers and means for revolving said knife and said mandrel.

2,482,838
MASSAGING DEVICE
Elmer R. Carlson, Galva, Ill.
Application November 4, 1947, Serial No. 783,881
6 Claims. (Cl. 128—62)



5. A massaging device, comprising a frame including spaced and opposed frame members, a pair of opposed massaging members, means mounting said members on said opposed frame members for movement in opposite directions from extended positions wherein said massaging members are in substantial abutment to retracted positions wherein said massaging members are in substantially widely spaced and opposed relation, and spring means loading said massaging members into said extended positions.

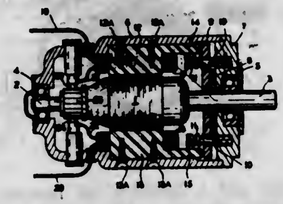
2,482,839
RESILIENT CONTACT STRUCTURE FOR ELECTRON TUBES
Richard Chamberlin, San Bruno, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application May 4, 1948, Serial No. 24,939
3 Claims. (Cl. 250—27.5)



1. An electron tube structure comprising a terminal member engageable with an underlying circuit member, and interengaging resilient contacts on the underside of the terminal member adapted to bear against said circuit member under the weight of the tube structure.

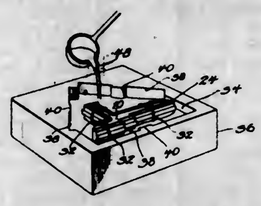
2,482,840
ELECTRIC MOTOR BRAKE
John Edward Collins, Belleville, N. J., and Alfred Joseph Mastropole, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 25, 1945, Serial No. 607,022
3 Claims. (Cl. 318—372)

3. An electric motor comprising, in combination, a housing formed of a non-magnetic material, an armature rotatably mounted in said housing and having a power output shaft, a pair of pole shoes formed of a ferro-magnetic material, said pole shoes affixed to said housing and projecting radially inward at opposite sides of said armature, each of said pole shoes having a pole piece projecting laterally from the outer ends thereof and adjacent the inner surface of said housing, a field coil wound about the inner portion of each of said pole shoes, guide pins projecting inwardly from one end of said housing, a plate carried by said guide pins and axially movable on the output shaft of said armature, a



disc connected to said shaft and axially movable thereon, spring members carried by said guide pins and arranged to bias said plate so as to clamp said disc between said plate and the inner surface of the one end of said housing and thereby prevent rotation of the shaft, said plate cooperating with said pole pieces so that upon energization of the field coil, said plate may be actuated in a direction for releasing said disc and closing the magnetic path between said pair of pole shoes.

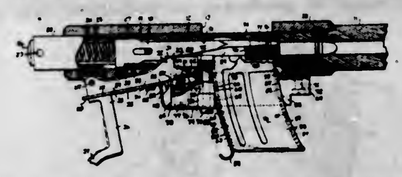
2,482,841
METHOD OF MAKING STRETCHING MACHINE JAWS
Ellis W. Cooper, Los Angeles, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application March 11, 1944, Serial No. 526,115
6 Claims. (Cl. 29—148)



6. A method of fabricating a set of jaws for engaging a member of irregular cross-sectional shape including the following steps: preparing a short section of said member; forming a plurality of independent jaw facings to fit the respective faces of said section; arranging said facings in engagement with said section in a mold cavity; pouring molten metal in said cavity to form a casting integral with said facings; and separating the casting into a plurality of jaw members.

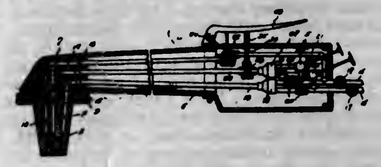
2,482,842
SEAR-CONTROL MEANS FOR FIREARMS
Harry L. Crockett, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application September 2, 1948, Serial No. 47,361
10 Claims. (Cl. 42—18)

1. In a firearm, including in combination: a frame; a spring-pressed firing-member; a sear-and-trigger unit arranged to releasably hold said spring-pressed firing-member in its cocked position and comprising a sear, and a finger-piece for operating said sear; a box-magazine engageable in said frame; and sear-control means comprising a resilient member having a sear-abutment and a latch-means, said resilient member being arranged normally to support said sear-abutment in



the path of said sear to stop the displacement of said sear after disengagement thereof from said cocked spring-pressed firing-member, and to hold said latch-means in engagement with said box-magazine thereby to releasably secure the latter in said frame.

2,482,843
BLOWTORCH
Logan R. Crouch, Jackson, Miss.
Substituted for abandoned application Serial No. 506,102, October 13, 1943. This application July 19, 1946, Serial No. 685,006
4 Claims. (Cl. 158—27.4)

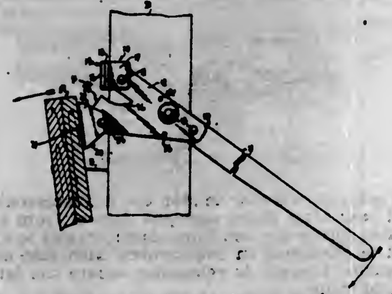


1. In a torch for cutting metal which includes separate means for delivering preheating and oxidizing jets to a work piece from a nozzle, the improvement comprising separate primary and secondary conduits for delivering primary and secondary mixtures of oxidizing and combustible gases to said nozzle, a third conduit for delivering an oxidizing gas to said nozzle, a normally closed valve in said last-named conduit, an adjustable valve in said secondary conduit, said adjustable valve being normally at least partially open, and a single valve control means for opening said first-named valve and simultaneously at least partially closing said adjustable valve.

2,482,844
CELLULOSE ETHER MANUFACTURE
Alexander S. Finlayson, Rahway, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1945, Serial No. 620,845
7 Claims. (Cl. 260—231)

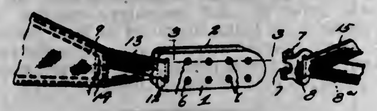
1. In a process for the preparation of organic-solvent-soluble cellulose ethers, the steps which comprise mixing a preformed cellulose ether with etherification reaction ingredients comprising cellulose, alkali and an etherifying agent, and etherifying said cellulose in the presence of said preformed cellulose ether under conditions of temperature, pressure and agitation to produce an organic-solvent-soluble cellulose ether, said preformed cellulose ether being present in an amount from about 3 to about 15%, based on the weight of said cellulose, and said preformed cellulose ether containing the same substituent ether groups as those introduced into said cellulose by said etherification reaction.

2,482,845
GRAIN CAR DOOR IMPLEMENT
Cornell Flagstad, Minneapolis, Minn.
Application August 14, 1944, Serial No. 549,467
3 Claims. (Cl. 254—131)



1. An implement for prying a grain car door inwardly at either end away from the door post, comprising in combination, a handle, a pair of bracket plates secured to one end of the handle and extending therebeyond, upper and lower members pivotally attached in spaced relation to the said bracket plates, the upper member having oppositely projecting fingers for selective engagement with the inner sides of the door posts, the lower member having a surface disposed centrally and below said fingers for engagement with the outer surface of the door, stop means on the bracket plates engaging said members and restraining them against oscillating movements in one direction about their pivots so that the respective door post and door engaging surfaces of the members normally stand in alignment, and separate spring means connected between the respective members and the bracket plates and yieldably holding said members against said stop means.

2,482,846
GARMENT FASTENER
Alan J. Fox, Miami Beach, Fla.
Application October 14, 1947, Serial No. 779,696
3 Claims. (Cl. 24—206)



1. The combination with brassière ends, of a fastener therefor, said fastener comprising a body member formed from a single piece of semi-rigid form retaining material and connected to one of the brassière ends, a connecting member carried by the other brassière end and adapted to interengage with the body member entirely within the lines of the body member, a lining carried by said body member on its inner side, a plurality of fastener receiving L-shaped apertures in the body member, said connecting member comprising a plurality of L-shaped members adapted to be received in the apertures and terminating spaced from the inner and outer sides of the body member.

2,482,847
BLOWER WHEEL
Earl B. Godman, Phoenix, Ariz.
Application May 7, 1946, Serial No. 667,839
3 Claims. (Cl. 230—128)

1. A blower of the class described comprising a stationary horizontal support, a housing supported thereover, said housing having an inlet and an outlet, a stator mounted intermediately on the stationary support and fixed thereto against rotation to extend radially therefrom, bearings on opposite sides of the stator, a rotor



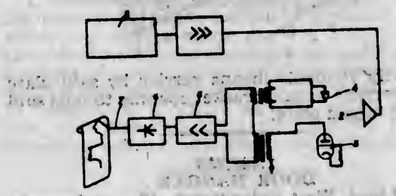
mounted on said bearings and projecting radially to enclose the stator upon opposite sides and at the periphery, means for inducing rotation of the rotor around the stator, and radially extending peripheral blades on the rotor within the housing.

2,482,848
WHEELED CARRIER
William M. Grant, St. Louis, Mo.
Application November 5, 1948, Serial No. 58,391
4 Claims. (Cl. 280—51)



1. A wheeled carrier comprising a paper bag, a rectangular sheet of substantially rigid material inserted into said bag and including a back disposed along one side bag and a bottom extending perpendicularly from one end of said back to overlie the bottom of said bag, said sheet having a folded-over, intermediately-recessed portion at the end of said back opposite said bottom to provide handle-receiving lugs and a pair of longitudinally-extending, spaced-apart slots at the juncture of said back and said bottom to provide an axle-receiving loop, a rod inserted through said lugs to constitute a handle, a rod inserted through said loop and the opposite sides of said bag to constitute an axle, wheels journaled one on each end of said axle, and a rectangular piece of sheet material secured exteriorly to the side of said bag opposite said back to provide a supporting foot for said carrier.

2,482,849
METHOD AND MEANS FOR MEASURING THE MICROPHONIC ACTION OF MULTIELECTRODE TUBES
Gaston Julien Louis Guyot and Paul Gillet, Paris, France
Application December 5, 1947, Serial No. 789,853
In France October 16, 1946
Section 1, Public Law 690, August 8, 1946
12 Claims. (Cl. 315—367)



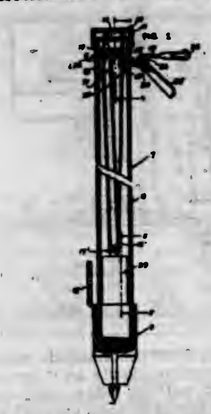
1. A method for measuring the microphonic action of a vacuum tube consisting in energizing acoustically at different frequencies the vacuum tube and measuring the consequent variations of a current fed by said tube.

2,482,850
METHOD OF DETERMINING COLUMBIUM IN IRON AND STEEL
James W. Hilliard, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application May 14, 1945, Serial No. 593,772
6 Claims. (Cl. 23—230)

3. The method of determining columbium qualitatively and quantitatively in ferrous alloys which comprises first dissolving a sample of the alloy in a mixture of concentrated hydrochloric and nitric acids, next adding a sufficient amount of hydrofluoric acid to volatilize the silicon as a fluoride of silicon, then adding perchloric acid to the resulting silicon-free solution, heating the solution in a vessel to evaporate it to dense fumes of perchloric acid, continuing the heating until perchloric acid condenses down the sides of the vessel, adding water to the solution and boiling it to expel free chlorine, whereupon the presence of columbium in amounts of .02% and over is revealed by the presence of a turbid cloud of columbium oxide in the solution, then adding a substantial quantity of boiling water and a mixture of sulphurous and hydrochloric acids to the solution, then boiling and filtering the solution and finally igniting the resulting columbium oxide precipitate.

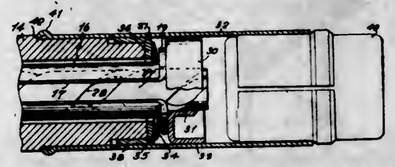
2,482,851
COMBINATION CLOTHESLINE POST
Charles V. Jennewein, Cincinnati, Ohio
Application November 16, 1945, Serial No. 629,135
1 Claim. (Cl. 211—119.10)

In a clothesline post and clothesline assembly including an elongated, tubular post having a slot adjacent one end, a clothesline movable through said slot and receivable in said post, and means including a weight slidable in said post engaging said clothesline to pull the latter into the post, said clothesline being manually movable out of said post by exerting a pull thereon sufficient to raise said weight, manually operated locking means carried by said post and engaging said clothesline to hold said clothesline against movement through said post slot or to free said clothesline for free movement through said slot into and out of said post, said locking means comprising a lever pivotally connected intermediate its length to said post adjacent said slot and extending outwardly of said post through said slot, pins carried by said lever at respectively opposite sides of the pivotal connection between said lever and said post engaging said clothesline in a manner to bend the



latter, and a handle pivotally connected at one end to said post exteriorly of the latter and engaging the end of said lever projecting outwardly of said post to move said lever in a direction to increase the bend in said clothesline to an extent to produce sufficient friction between said clothesline and said pins to restrain said clothesline against movement through said post slot.

2,482,852
SCREW FEED MECHANICAL PENCIL WITH FRICTION BRAKE
Helmer R. Jochim, Downers Grove, Ill., assignor to Rite-Rite Manufacturing Company, Downers Grove, Ill.
Application May 31, 1945, Serial No. 596,823
11 Claims. (Cl. 120—18)

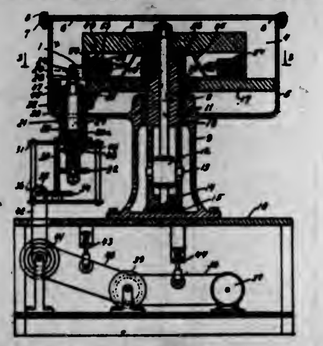


10. In a mechanical pencil, a barrel, a stationary channel tube positioned in the barrel and projecting from one end thereof, a spiral member rotatably mounted in the tube, a driving ferrule fixed to the spiral member and bearing against one end of the channel tube, spring means arranged between the first mentioned end of the barrel and the last mentioned end portion of the channel tube, and a second ferrule frictionally connected to and surrounding the driving ferrule.

2,482,853
MICROTOME WITH ROTATING CUTTER AND SPECIMEN FEED MECHANISM SUPPORTED THEREWITH
William A. Ladd, Brooklyn, N. Y., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application February 7, 1948, Serial No. 846,120
3 Claims. (Cl. 83—40)

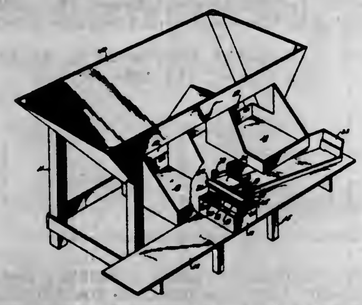
1. A microtome comprising a shaft rotatably mounted in a bearing, with at least one end there-

of projecting beyond one end of the bearing, a cutting edge supported by and rigidly connected with a projecting end of said shaft, means for rotating said shaft within the bearing, a micrometer feed mechanism rigidly supported by said bearing and adapted to hold a specimen to be cut and feed said specimen into the path of the



cutting edge, said feed mechanism comprising a shaft adapted to rotate slowly as it moves toward the path of said cutting edge, and means for rigidly mounting the specimen on that end of the last said shaft toward the path of the cutting edge, so that the specimen is slowly rotated as it is moved into the path of the cutting edge.

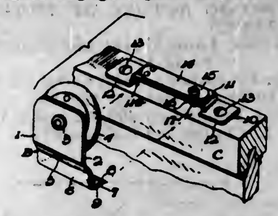
2,482,854
REMOVAL OF WASTE YARN FROM BOBBINS AND THE LIKE
Robert Wade Lindsay, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application May 22, 1947, Serial No. 749,802
13 Claims. (Cl. 28—19)



6. Apparatus for stripping waste yarn from a bobbin which comprises a guideway for guiding a bobbin for axial movement, a cutting knife mounted on said guideway to sever the waste on the bobbin as it is moved axially therealong and a stop for arresting the movement of the bobbin after passage of the waste thereon through the knife, whereby the waste after cutting may be moved axially in said one direction over the end of the stationary bobbin.

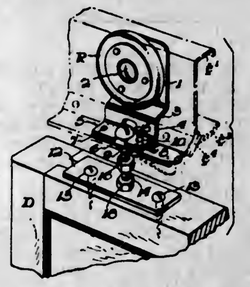
2,482,855
DOOR HANGER
Claire Lloyd, West Palm Beach, Fla., assignor to Harkiso Corporation, Palm Beach, Fla., a corporation of Florida
Application April 16, 1946, Serial No. 662,594
14 Claims. (Cl. 16—89)

1. A door hanger comprising a roller carrying bracket having an opening, an attaching plate with means to secure same to a door and including means to engage a part of said bracket, and



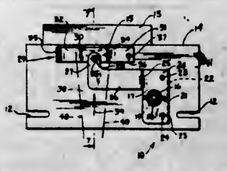
resiliently yieldable means carried by said plate and insertible in said bracket opening to hold said bracket to said plate.

2,482,856
DOOR HANGER
Claire Lloyd, West Palm Beach, Fla., assignor to Harkiso Corporation, Palm Beach, Fla., a corporation of Florida
Application April 25, 1946, Serial No. 664,914
3 Claims. (Cl. 16—89)



1. A hanger for sliding doors comprising a bracket having a notched supporting part, a suspension member including a shank for entering said notch and also including means engaged by said supporting part when said shank is in said notch, and means connected to said bracket part on one side of said notch and movable to a position bridging said notch and connectible to said bracket part on the other side of said notch when in bridging position.

2,482,857
CENTERING GUIDE FOR NECKTIE LININGS
Morris S. Malek, New York, N. Y.
Application November 9, 1946, Serial No. 709,042
10 Claims. (Cl. 112—152)



1. In a device for guiding a necktie lining or like tapered strip, a combination comprising a substantially flat plate over which said strip is drawn, a bowed spring supported above said plate, said spring having a concave side facing the plate and ends free from the plate to yieldingly engage opposite edge portions of said strip when the latter is drawn therebetween, and pivoting means bearing on the convex side of the spring for resiliently urging the latter toward the plate to center said strip with respect to the plate.

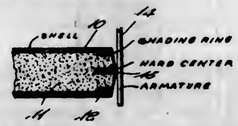
2,482,858
CELLULOSE PURIFICATION
Mervin E. Martin, Cumberland, Md., and Morris Umansky, Summit, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 13, 1947, Serial No. 768,487
10 Claims. (Cl. 8—105)

1. Process for the treatment of unbleached sulfite wood pulp, which comprises digesting sulfite wood pulp with a dilute aqueous alkaline solution, chlorinating the digested pulp, washing with a dilute aqueous alkaline solution, digesting the washed chlorinated pulp under super-atmospheric pressure in a dilute aqueous alkaline solution, and then subjecting said digested pulp to bleaching with an aqueous hypochlorite solution.

2,482,859
FROTH FLOTATION OF OXIDIZED ZINC ORES
William J. McKenna and Virgil Lessels, Tooele, Utah, and Ernest C. Peterson, Darwin, Calif., assignors to International Smelting and Refining Company, a corporation of Montana
No Drawing. Application August 31, 1946, Serial No. 694,428
11 Claims. (Cl. 209—166)

1. The method of recovering a zinc concentrate from an oxidized zinc ore which comprises subjecting a pulp of the ore to froth flotation in the presence of a soluble compound of an aliphatic amine containing 8 to 18 carbon atoms and about 6 to 12 pounds of a soluble sulphide per ton of ore.

2,482,860
CORE FOR ELECTROMAGNETS
Charles Frank Miller, Frederick, Md., assignor to Price Electric Corporation, Frederick, Md.
Application December 14, 1945, Serial No. 634,965
10 Claims. (Cl. 175—21)



1. In an electromagnet having an armature, a core for the electromagnet comprising a compact cylindrical mass of finely divided insulated pressed powdered iron particles, one end of the cylindrical mass being shaped to provide a conical pole face to cause the armature of the magnet to strike the pole face at a region of very small area, and a hard center embedded within said core and extending beyond the conical pole face to provide a small region of contact and to withstand the impact of the armature.

2,482,861
MEANS FOR TESTING REDUCED SCALE PATTERNS OF ENGINEERING WORKS
Elisée Montagné, Saint-Girons, France, assignor to Societe L'Entreprise Industrielle, Paris, France, a corporation of the French Republic
Application November 20, 1945, Serial No. 629,827
In France July 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 9, 1961
4 Claims. (Cl. 73—432)

3. An arrangement for testing dams and the like engineering works comprising a reduced scale pattern, a reservoir one of the walls of which is formed by the rear surface of said pattern, horizontal partitions subdividing said reservoir into a plurality of superposed compartments, adjustable means for allowing communication between each compartment and its superposed compartment with a predetermined loss of head from one compartment to the next, square-shaped



packings each having a horizontal and vertical leg applied against the rear wall of the pattern and each of the partitions, means for securing the horizontal leg of the packing to the corresponding partition, the vertical leg thereof being urged against the rear wall of the pattern by the liquid pressure and means for admitting water under pressure to the lower-most compartment.

2,482,862
TREATMENT OF CELLULOSE ETHERS
William H. Myers, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1945, Serial No. 610,672
4 Claims. (Cl. 260—232)

1. In a process for improving the heat stability of an organic-solvent-soluble cellulose ether in which undesirable contaminating metallic cations which cause instability are removed from the cellulose ether and are replaced by stabilizing metallic cations, the improvement which comprises initially treating a solution of said cellulose ether in a neutral organic solvent with a solid organic cation exchange reagent having acidic groups to remove substantially all metallic cations from said cellulose ether, and then separating said cellulose ether solution from said exchange reagent, said exchange reagent being insoluble in said cellulose ether solution and having no degrading effect on said cellulose ether during said treatment.

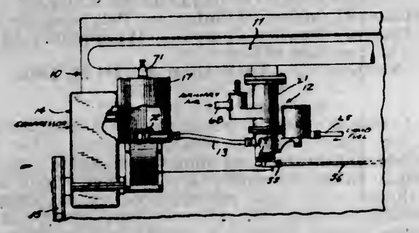
2,482,863
SNUBBER FOR FISHING REELS
Noble A. Nelson, Chicago, Ill., assignor of one-fifth to Harold Freevol, one-fifth to Sam Smedberg, one-fifth to Howard Brandon, and one-fifth to Carl C. Anderson
Application April 12, 1946, Serial No. 661,508
2 Claims. (Cl. 242—84.5)



2. In a fishing reel, the combination of a frame, a spool journalled by the frame so as to rotate freely, a trunnion provided by the frame, adjacent one end of the spool and in concentric relation

with the axis of rotation of the spool, a drum member threadedly mounted on the trunnion whereby rotation of the drum member will move the same axially toward and from said end of the spool, centrifugally actuated friction devices carried by said end of the spool and having location within the drum member, said drum member providing outwardly diverging conical surfaces directed toward said end of the spool, and manually actuated means for effecting rotation of the drum member to adjust the position of the same axially of the trunnion, said means including a pinion mounted for rotation by the frame and having meshing relation with a gear provided by the drum member.

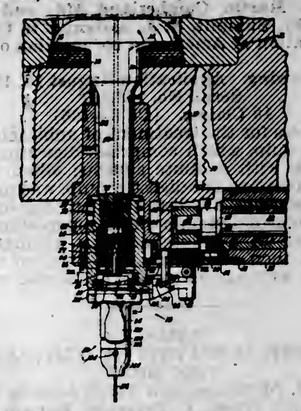
2,482,864
LIQUID FUEL CARBURETOR
Gustav Nemnich, Huntington Station, N. Y., assignor of one-fourth to Margaret Nemnich, one-fourth to Jonas Himmelfarbe, and one-fourth to Elizabeth Putt Himmelfarbe, all of Huntington Station, N. Y.
Application December 1, 1944, Serial No. 566,116
11 Claims. (Cl. 123—131)



1. In a liquid fuel carburetor, a needle valve, having a bore connected with a source of liquid fuel, said bore having communicating openings for the exit of the fuel at the end of the valve, a hollow member surrounding said end of the valve, means to feed a compressed oxidizing medium under pressure, like air, through said hollow member, whereby said medium will carry and vaporize the fuel passing through said exit opening, and will be thoroughly mixed with it, said device feeding the ready fuel mixture into the intake manifold of an internal combustion engine, means to normally close the communication between the source of said compressed oxidizing fluid medium and said device, and means actuated by an element of said engine to intermittently permit the passing of said compressed fluid medium through said device, in accordance with the operation of the engine.

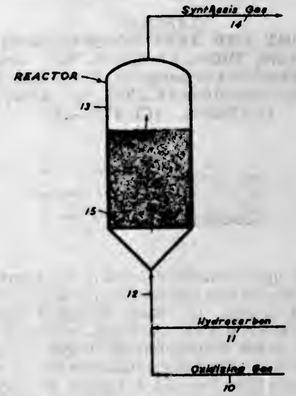
2,482,865
GUN PRIMER MECHANISM
John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 20, 1945, Serial No. 606,049
8 Claims. (Cl. 89—27)

1. A primer mechanism for ordnance including a demountable cylindrical member with means for attaching the same directly to and in axial alinement with an obturator spindle, primer holding means enclosed within said member, a handle pivotally supported on said cylindrical member and a major portion of the handle extending from and in parallel relation with the cylindrical member, primer firing means enclosed within the handle, and a wedge portion carried by the



handle for pressing a primer into said holding means upon swinging the handle.

2,482,866
PRODUCTION OF CARBON MONOXIDE AND HYDROGEN
John A. Phinney, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application November 1, 1944, Serial No. 561,352
1 Claim. (Cl. 252—373)



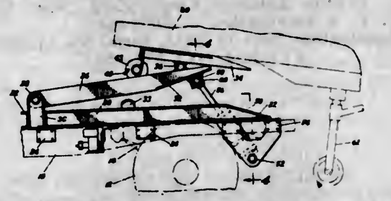
A process for converting hydrocarbon gases predominantly into hydrogen and carbon monoxide which comprises the steps of supplying a gaseous hydrocarbon including methane and an oxygen-containing gas to a gas generation zone at about room temperature, maintaining a quantity of finely divided catalytic solids comprising a group VIII metal within said zone in a dense turbulent suspended phase, reacting said methane and oxygen while in contact with said solids at a superatmospheric pressure of approximately 30 p. s. i. gauge, supplying about 0.6 mole of oxygen per mole of methane to attain an equilibrium reaction temperature of about 1530° F. favoring the conversion of the methane into about 92% hydrogen and carbon monoxide in the molal ratio of about 2:1, and maintaining said catalytic solids comprising a group VIII metal at the equilibrium reaction temperature by supplying said gaseous hydrocarbons and oxygen at a temperature sufficiently below the equilibrium reaction temperature whereby excess exothermic heat of reaction is extracted and by withdrawing gases including reaction products and unreacted feed from said generation zone at said equilibrium temperature.

2,482,867
DISPENSING NOZZLE
Frederick C. Picut, Westfield, N. J., assignor to Economy Faucet Company, Newark, N. J.
Application March 18, 1946, Serial No. 655,216
4 Claims. (Cl. 222—487)



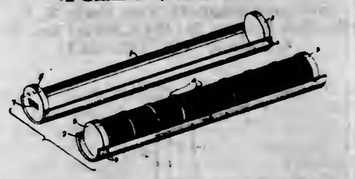
4. The combination with a dispensing device for liquid from a bottle, said device having an axially disposed discharge valve, a vent pipe to one side of the discharge valve, said discharge valve having an upwardly extending shaft, spring means for normally seating the discharge valve, of a slidable closure valve for the upper end of the vent pipe, said closure valve having an apertured lug through which a reduced portion of the upwardly extending shaft passes and spring means for normally forcing downwardly on said apertured lug whereby said vent valve will close and open with the seating and unseating of the discharge valve.

2,482,868
FIFTH WHEEL ASSEMBLY
Charles E. Pollard, Detroit, Mich.
Application November 7, 1947, Serial No. 784,732
7 Claims. (Cl. 280—33.05)



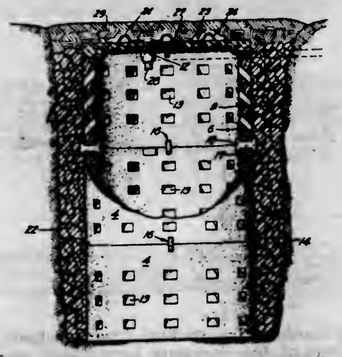
1. Fifth wheel mechanism for a tractor having a frame provided with a rear axle having road wheels and provided with platform pivots spaced forwardly of said axle, a platform superimposing that portion of the frame to the rear of said pivots and hinged at its forward end to said pivots to have its rear end swung above the rear end of the frame or to be lowered to rest thereupon, a fifth wheel coupling device pivotally mounted upon the rear end of the platform to engage and to support the front end of a trailer coupled therewith, said fifth wheel coupling device pivotally coupled with the platform slightly forwardly of the rear axle, hydraulic piston and cylinder mechanism pivotally supported upon the frame to the rear of the rear axle and extending forwardly from its mounting upon the frame overhanging the rear axle and pivotally coupled with said platform substantially directly underneath the mounting of the fifth wheel device upon the platform, said hydraulic piston and cylinder mechanism operable to elevate and to support the rear end of the platform above the frame.

2,482,869
SHIPPING PACKAGE FOR HEAVY SPOOLS
Thomas R. Polgiase, Spring Lake, and Henry J. Hoebeke, Muskegon, Mich., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
Application June 16, 1948, Serial No. 33,276
1 Claim. (Cl. 206—59)



A shipping package for heavy spools comprising a pair of rigid mating semicylinders each having an inside diameter substantially equal to the diameter of the spools and which when assembled together form a cylinder which fits snugly about the spools, a pair of full circular rigid end closures of a diameter equal to that of the semicylinders secured to one of said semi-cylinders at each end thereof, and a second pair of similar full circular rigid end closures secured to the other of said semicylinders adjacent each end thereof, the end closures of said second pair being each shaped from the adjacent end of the semicylinder to which it is secured by a distance substantially equal to the thickness of the end closures of the first pair, whereby when the two semicylinders are assembled together the end closures of one semicylinder overlie and reinforce the end closures of the other semicylinder.

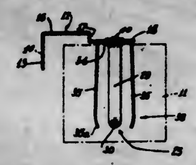
2,482,870
PREFABRICATED CESSPOOL STRUCTURE
Louis P. Price, Honolulu, Territory of Hawaii
Application November 12, 1947, Serial No. 785,463
2 Claims. (Cl. 182—2)



1. In a cesspool structure, a casing comprising a plurality of preformed tubular cast concrete sections disposed in axially aligned relation to form inner and outer walls of a cesspool cham-

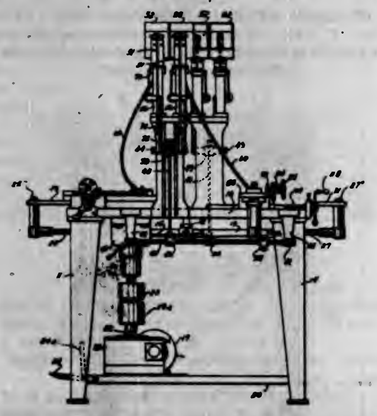
ber, each section having axially extending notches in an end surface thereof and at least one of said sections having downwardly inclined passages extending from the chamber radially outwardly of the wall thereof, H-shaped keys insertible in said notches having portions extending radially beyond said inner and outer walls, said portions having extensions embracing the inner and outer wall portions of adjacent sections in said notches and in the end surface confronting said notches, respectively, for holding the respective sections in relative axial alignment, and a removable cover engaged with an end surface of a section for closing an end of said chamber.

2,482,871
PAPER ROLL HOLDER
Solomon Rapport, New York, N. Y.
Application August 21, 1945, Serial No. 611,731
4 Claims. (Cl. 242—55.2)



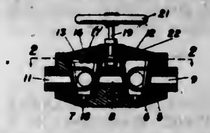
1. A bracket for supporting a toilet paper roll, comprising a member formed with openings to receive fastening means for attachment to a support, a pair of U-shaped members, each comprising an intermediate portion, and a pair of spring arms, said U-shaped members being rotatably attached to the first member with the intermediate portions contacting said first member crossing one another, the spring arms of each U-shaped member diverging away from the intermediate portion and having inwardly curved fingers at the outer ends thereof.

2,482,872
NAILING MACHINE
Solomon Rapport, New York, N. Y.
Application February 4, 1946, Serial No. 645,268
7 Claims. (Cl. 1—1)



1. A machine for nailing frames which comprises means for clamping four frame members in horizontal position and means for simultaneously driving four nails into such frame members in four different directions 90° apart from each other, and in nch-opposing relation.

2,482,873
MULTIPLE VALVE AND PACKING THEREFOR
John Roberts, San Francisco, Calif.
Application March 11, 1946, Serial No. 653,470
2 Claims. (Cl. 251—163)



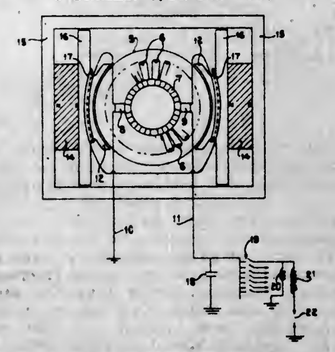
1. In a valve, a rotary valve member having a fluid passage therethrough, said valve member having a groove provided with portions extending semicircularly about the ends of said passage and portions connecting said semicircular portions and extending circumferentially about said member, and an inwardly facing U-shaped packing strip extending entirely throughout said groove.

2,482,874
LIPSTICK APPLICATOR
Helen Roland, Ringoes, N. J.
Application January 28, 1948, Serial No. 4,795
6 Claims. (Cl. 206—56)



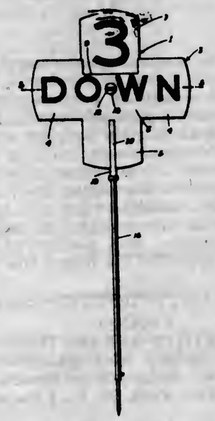
1. A cosmetic applicator including a casing, a cosmetic stick slidably secured in said casing, means for adjustably moving said stick, a reinforcement extending axially into said stick, and further means for selectively and adjustably advancing and retracting said reinforcement independently of movement of said first means, said first means comprising a sleeve screw-threaded into one end of said casing, a thimble carrying said stick, said thimble being slidable in said casing, a neck on said thimble seated in said sleeve, said further means including a spiral track, a finger on said reinforcement slidable in said track and means for preventing rotation of said finger.

2,482,875
MAGNETOGENERATOR
Marc C. Sawyer, Otsego County, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 30, 1944, Serial No. 542,908
5 Claims. (Cl. 322—50)



1. In apparatus of the class described, a magnetic flux conducting rotor having windings thereon, a commutator operatively connected with said windings, a plurality of stationary pole shoes adjacent said rotor, permanent magnet means associated with said pole shoes whereby magnetic flux from said magnet means is caused to flow through said pole shoes and rotor, means shunting some of said magnetic flux away from said rotor, and means for decreasing the magnetomotive force across the armature magnetic circuit, said last-named means including a coil wound on each of said pole shoes and means including said commutator for electrically connecting said coils to said armature windings so that the magnetic fields set up by the flow of current through said coils tends to counteract the flow of magnetic flux to said rotor from said magnet means.

2,482,876
DOWN INDICATOR FOR FOOTBALL GAMES WITH CROSS-SHAPED ROTOR AND T-SHAPED CASE
Myron R. Schall, Sacramento, Calif.
Application January 19, 1946, Serial No. 642,200
5 Claims. (Cl. 40—70)

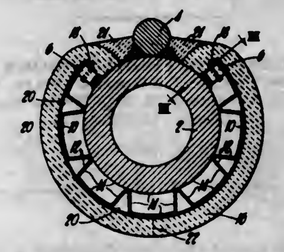


1. A "down" indicator for football games comprising a flat, cross-shaped rotor having legs of equal length, like "down" indicia on each leg on opposite faces thereof, a flat, relatively thin T-shaped case including adjacent but spaced T-shaped side plates connected together at the ends of the legs thereof, the rotor being pivoted in the case for rotation about a central axis, the case being symmetrical to the rotor and enclosing the remainder thereof when one leg of said rotor projects upwardly above said case, and a standard on which the case is secured in supported relation.

2,482,877
POLYMERIZATION OF ETHYLENE
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1946, Serial No. 673,611
10 Claims. (Cl. 260—683.15)

1. A process for producing normally liquid polymers which comprises subjecting ethylene to the action of an organic peroxide polymerization catalyst at polymerizing conditions, including a temperature of from about 25° C. higher to about 150° C. higher than the initial decomposition temperature of said catalyst, in the presence of an inert gas and a diluent consisting essentially of at least one saturated hydrocarbon containing at least three carbon atoms.

2,482,878
REINFORCED REFRACTORY PIPE INSULATION
William E. Schmidt, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application November 6, 1946, Serial No. 708,001
4 Claims. (Cl. 263—6)



1. Reinforced refractory insulation for a substantially horizontal pipe comprising a pair of lugs on the upper half of said pipe, a two part refractory barrier suspended from said lugs, each part of said barrier comprising a reinforcing member surrounding approximately one-half of said pipe and spaced from the other wall thereof, a refractory covering bonded to said reinforcing member, and a spacer strip having crimps all of substantially the same height between the outer wall of the pipe and the reinforcing member whereby a dead air space is provided therebetween.

2,482,879
PROTEIN DISPERSIONS AND THEIR USE IN PRINTING INKS
Alfred F. Schmutzler, Teaneck, N. J., and Donald F. Othmer, Coudersport, Pa.
No Drawing. Application October 27, 1944, Serial No. 560,716
8 Claims. (Cl. 106—24)

1. A dispersion consisting of a soybean protein containing from 95% upwards of pure protein, a polyhydric alcohol selected from the group consisting of ethylene glycol and diethylene glycol, and a protein peptizing agent, said peptizing agent being guanidine carbonate.

4. A printing ink essentially consisting of a dispersion of soybean protein containing from 95% upwards of pure protein in diethylene glycol, the said protein being peptized by the action of guanidine carbonate; a resin and a pigment.

2,482,880
GAS-OPERATED SELF-LOADING FIREARM
Harry H. Sefried, II, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application January 17, 1947, Serial No. 722,676
10 Claims. (Cl. 89—193)



1. A gas-operated self-loading firearm, including in combination: a receiver; a barrel secured to the forward end of said receiver; a breechblock mounted in said receiver and movable therein to and from breech-closing position; and gas-operated means for actuating said breechblock,

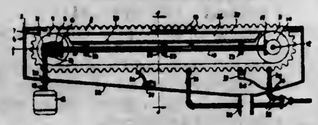
comprising a gas-chamber in communication with said barrel, a first gas-operable member in said gas-chamber, said first gas-operable member having a connection with said breechblock, and a second gas-operable member in said gas-chamber arranged to admit a predetermined quantity of gas from said barrel into said gas-chamber to operate said first gas-operable member.

2,482,881
GUARD FOR FISHING HOOKS
Edwin W. Sonner, Jr., Queens Village, N. Y.
Application November 18, 1948, Serial No. 60,799
2 Claims. (Cl. 43—31)



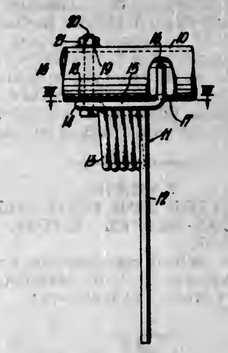
1. In a device of the class described, a member of a slightly elastic material, said member being formed with a vertical opening in the center thereof adapted to loosely receive the shank of a triple fishing hook, the sides of said member being formed with a vertical slot and two vertical slits therein arranged at a substantially equal distance from each other and adapted to receive the hooks proper of the fishing hook, said member being formed with a vertical V-shaped entrance to said slot communicating with the central opening, and the lower surface of the member having V-shaped entrances connecting with said slot and slits, substantially as and for the purpose set forth.

2,482,882
SELF-CLEANING DOOR MAT
Carl O. Swanson, Minneapolis, Minn.
Application June 11, 1945, Serial No. 598,730
8 Claims. (Cl. 15—93)



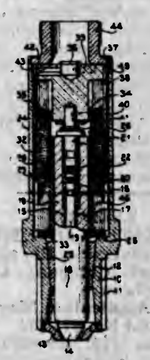
5. In a self cleaning floor mat, a series of horizontally extending supporting bars disposed in spaced vertical planes, a series of power actuated, flexible, endless belts mounted on end rollers below the floor surface and with their upper runs extending longitudinally between respective pairs of said bars, shoe scraping projections extending outwardly from the belt so as to normally project above the upper edges of the bars, horizontally extending supporting means cooperating with the lower edges of the bars to form substantially U-shaped channels therewith substantially coextensive with the spacing between the rollers to provide supporting channels for the upper runs of the belts, the said belts being of such thickness as to extend down between the bars substantially to the plane of said supporting means, said horizontal supporting means for each belt being vertically compressible at any point throughout the length of the channel whereby the belt may flex in response to foot pressure to permit said projections, coincident to the area of foot pressure, to move down to a level with the top edges of the supporting bars, said horizontally extending means for each pair of bars comprising a rigid support and a superposed layer of sponge rubber extending the length of the channel.

2,482,883
WIRE TOOTH
John H. Thomas, North Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 29, 1947, Serial No. 782,912
8 Claims. (Cl. 56—400)



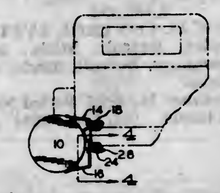
1. A wire tooth including an elongated portion having a free end, a coil integral with the opposite end of said elongated portion with its axis perpendicular thereto and adapted to flex as the free end strikes an obstruction, an integral reverse bend at the opposite end of said coil forming an eye adapted to receive an attaching bolt, an integral segment extending back from said eye, substantially parallel to the coil axis and in close proximity to the outside of said coil for dampening vibrations, and additional means at the end of said segment for fixing the tooth to a support.

2,482,884
IGNITION APPARATUS
Tullio Tognola, Sidney, and Maurice S. Thorn, Oneonta, N. Y., assignors to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application July 1, 1944, Serial No. 543,136
13 Claims. (Cl. 315—57)



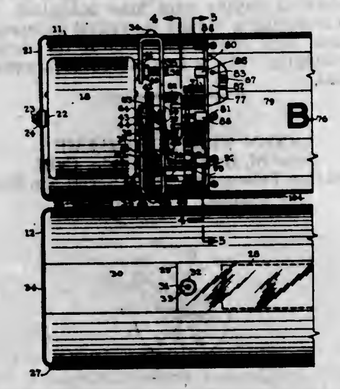
1. In apparatus of the class described, a tubular metallic shell, an insulated center electrode assembly mounted in said shell, a metallic shielding barrel extending from said shell around and beyond the projecting end of said assembly, an ignition coil in said barrel and surrounding the outer end of said assembly, and means operatively electrically connecting said coil and the electrode of said assembly.

2,482,885
AUXILIARY GAS TANK ASSEMBLY
James H. Turner, Detroit, Mich.
Application December 7, 1945, Serial No. 633,568
1 Claim. (Cl. 280—5)



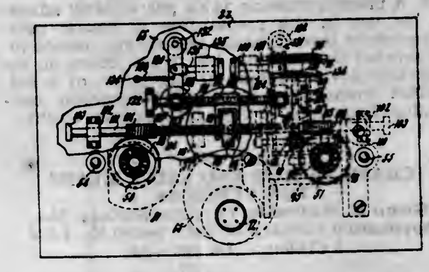
A tank adapted to be secured to a vehicle channel frame member, said tank provided at each end with a bracket structure, each bracket structure having an upper portion and a lower portion each adapted to engage the vehicle channel frame member, one portion having a slot extending parallel to the frame member engaged thereby, the other portion having a slot extending perpendicularly to the frame member engaged thereby, a clamp supported for slidable movement linearly through each slot, the upper clamp having a part adapted to engage over the edge of the upper side wall of the frame member, the lower clamp having a part adapted to engage over the edge of the lower side wall of the frame member, each clamp having a part adjustable to draw the clamp toward the tank against the side frame member.

2,482,886
ROTATABLE ILLUMINATED ADVERTISING SIGN
David W. Van Gieson, New York, N. Y.
Application August 9, 1946, Serial No. 689,593
12 Claims. (Cl. 40—33)



1. An illuminated sign, comprising a centrally positioned light tube, a rotatable color tube surrounding and turning on said central light tube, a sign-carrying drum surrounding and bearing frictionally on said rotatable color tube so as to be turned thereby, and means for continuously rotating the color tube and intermittently advancing the sign-carrying drum, for successively displaying the signs carried thereby.

2,482,887
DRIVE SYSTEM FOR MAGNETIC RECORDERS
Willard H. Wade, Syracuse, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application October 25, 1945, Serial No. 624,545
11 Claims. (Cl. 242—54)



1. Mechanism for interchanging a linear element between a pair of spaced rotatable reels comprising, in combination, a longitudinally shiftable rotatable shaft; a pair of coupling means each normally coupling said shaft to one of the reels; a driven member effective to rotate said shaft in reverse directions; said driven member normally being inoperative to rotate said shaft and such rotation of said shaft effecting longitudinal movement thereof to disengage one coupling means while maintaining engagement of the other coupling means to effect selective driving of one of the reels; a driving member effective to rotate said driven member in reverse directions; said driven member being shiftable relatively to said driving member from a neutral position to either one of a pair of driving positions; means selectively operable by said driving member to shift said driven member between such positions; mechanism effective to engage such shifting means with said driving member; and means operable automatically when the driven member reaches the selected position to disengage the shifting means from said driving member.

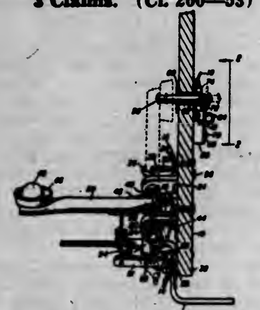
2,482,888
ORGANIC SILICON COMPOUNDS FOR DEWEBBING ELASTOMER LATICES
Robert H. Walsh, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1946, Serial No. 678,351
5 Claims. (Cl. 260—28.5)

1. In the process for producing articles by a dipping process from a latex bath of an elastomer of the class consisting of polymers of 1,3-butadiene, chloroprene and co-polymers of the same with not more than equal amounts of co-polymerizable vinylidene compounds, which bath contains a soap-like emulsifying agent, the step which comprises reducing the tendency of the elastomer to web by incorporating in the latex bath a non-acidic aqueous emulsion of a light mineral oil solution of an alkylated organo-silicon compound of the class consisting of grease-like polymeric dimethyl silicones and alkyl silicon trichlorides in which the alkyl group contains from 1 to 6 carbon atoms, the amount of the silicon compound contained in the emulsion of the mineral oil solution which is added being from 0.001 to 0.2 part per 100 parts of elastomer in the latex bath.

2,482,889
PREPARATION OF ELASTIC POLYCHLOROPRENE THREADS, BANDS, ETC.
Robert Henry Walsh, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 4, 1947, Serial No. 720,314
2 Claims. (Cl. 260—29.7)

1. A polychloroprene latex particularly adapted for use in the preparation of elastic polychloroprene thread, bands and sheets, having incorporated therein from 1% to 4%, based on the polychloroprene present in the latex, of a sulfurized monocyclic terpene hydrocarbon containing from 24% to 36% of combined sulfur.

2,482,890
CRASH SWITCH AND VALVE MEANS FOR VEHICLES
Glenn H. Whiteside, Excelsior Springs, Mo.
Application January 26, 1948, Serial No. 4,236
3 Claims. (Cl. 200—53)

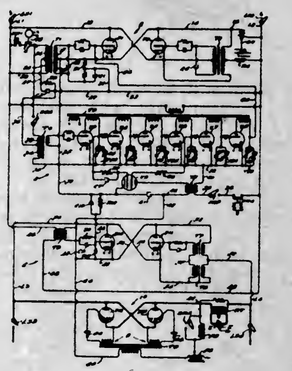


3. A crash switch and valve means for vehicles comprising an arm pivoted on a vehicle, a mass loosely held on the free end of said arm retaining the arm in one position, a spring to bias the arm into a second position when said mass is disengaged from said free end by jarring of the vehicle, a valve having a stem and a lever thereon, a link between said arm and said lever to close said valve when the arm is moved into said second position, and an electric switch actuated by said arm when said arm reaches said second position and after said valve has been actuated into closed position, said link being resilient and arranged so that the action of said spring is consecutively and fully applied to the closing of said valve and thereafter to the actuation of said switch, said switch having a spring biased plunger engageable by said arm, said spring being adapted to overcome the spring in the spring biased switch and to hold the spring biased switch in open position, and another pair of electrical switches actuated consecutively at the beginning of the movement of said arm from said one position and before the actuation of said valve, said switches having contacts carried by said arm and by said lever, the contacts on the lever being actuated after the contacts on said arm due to the resiliency of said link.

2,482,891
SOLID, STABLE CHLORINE DIOXIDE GENERATING COMPOSITIONS
Rayden N. Asten, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application March 16, 1945, Serial No. 583,165
5 Claims. (Cl. 252—187)

1. A stable, solid, substantially anhydrous composition consisting essentially of an organic acid anhydride, free of readily oxidizable substituents and a chlorite of the group consisting of the alkali and alkaline earth metal chlorites, the anhydride and chlorite being present in molar proportions within the range of 0.1:1 to 1:1.

2,482,892
ELECTRICAL CONTROL SYSTEM
Keith E. Barwick, Detroit, Mich., assignor to Weltronic Company, Detroit, Mich., a corporation of Michigan
Application October 18, 1946, Serial No. 703,982
12 Claims. (Cl. 315—268)



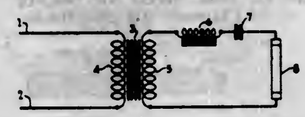
1. In an electrical controlling network, electronic valve means having a cathode and a controlling grid, potential supplying means electrically connected between said cathode and said grid for applying a bias potential to control the conduction of said valve means, means for controlling the magnitude of said potential applied between said cathode and said grid and operable upon energization to render said supplying means ineffective to supply said bias potential, and a second controlling means energized independently of said first controlling means for rendering said supplying means ineffective to supply said potential.

2,482,893
COIN TRAPPING GAME
Jesse M. Bawden, Vallejo, Calif.
Application February 6, 1947, Serial No. 726,868
10 Claims. (Cl. 273—138)



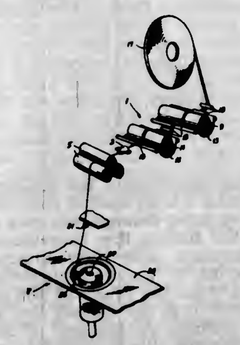
1. A game device of the class described comprising a container adapted to be filled with water, a coin trapping cup, a supporting arm for said cup, and means operable from the exterior of the container and adapted to swing the cup, in a horizontal plane, through predetermined arcuate paths in said container, and additional means for projecting and retracting the arm and cup radially toward and from the axial center of said container.

2,482,894
OPERATING SYSTEM FOR VAPOR ARC LAMPS
Lester F. Bird, Newark, N. J., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application October 7, 1947, Serial No. 778,503
2 Claims. (Cl. 315—235)



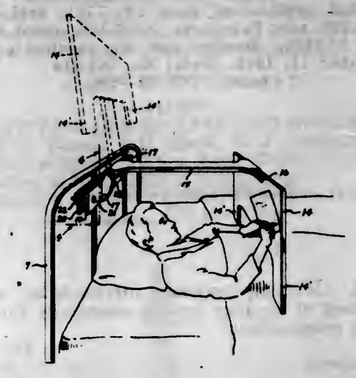
1. A discharge device operating system for maintaining a substantially constant wattage, comprising in combination a transformer having a magnetic core structure and mounted thereon a primary input coil and a secondary inductive coil in spaced relation to each other with a high reluctance magnetic shunt between said coils, a stabilizing wattage circuit comprising a capacitor connected between one of the terminals of said secondary coil and said discharge device, said stabilizing wattage circuit being operative under a series stabilizing reactance provided by the reactance of a secondary coil wound about a core material operating at the knee of the saturation curve for the core material in combination with the reactance provided by a capacitor having a kva. rating of about 1½ to 6 times the kva. rating of said discharge device.

2,482,895
METHOD OF MAKING PAPER YARN
Edward J. Brockman, St. Louis, and Thomas M. Scruggs, Richmond Heights, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application March 29, 1946, Serial No. 658,358
6 Claims. (Cl. 57—165)



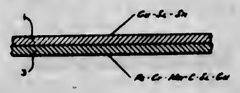
1. The method of making twisted wet strength paper yarn, comprising moistening a flat paper strip so as to soften and swell the fibers thereof, dispersing throughout the moistened strip a partially condensed resin adapted in its condensed form to waterproof the fibers of the strip, spinning the strip with the partially condensed resin and moisture therein to twist it into yarn before the evaporation of the moisture therein, removing moisture from the strip, and condensing the resin to its waterproof form so as to leave a coating of waterproofing resin on the fibers.

2,482,896
TABLE FOR HOSPITAL BEDS
Paul A. Caristedt, Edmonds, Wash.
Application May 22, 1946, Serial No. 671,533
4 Claims. (Cl. 311—27)



1. A table structure for attachment to a bed, comprising an arm attachable at one end to an end member of the bed near the top of such member to extend therefrom over and generally longitudinally of the bed, and a generally upright table to extend transversely of the bed and having depending spaced legs arranged to rest directly on the bed's mattress astraddle the bed's occupant and carry substantially the full weight of the table, the other end of said arm and said table, at a location near its top, being interconnected to brace said table in upright position resting on the bed, against tilting longitudinally of the bed.

2,482,897
CORROSION-RESISTING COMPOSITE METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application June 23, 1941, Serial No. 399,398, now Patent No. 2,366,178, dated January 2, 1945. Divided and this application November 11, 1944, Serial No. 563,013
4 Claims. (Cl. 29—195.5)



1. A corrosion-resisting thermostatic metal composed of an alloy having essentially the following composition:

	Per cent
Manganese	0.2–0.6
Carbon	0.01–0.2
Chromium	12–20
Silicon	.2–1.5
Copper	.5–1.5
Iron	Remainder

and an alloy having essentially the following composition:

	Per cent
Copper	96–98
Silicon	0.5–1.5
Tin	0.75–2.5

the surfaces of said alloys being fused together at the junction

2,482,898
CORROSION-RESISTING COMPOSITE METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application June 23, 1941, Serial No. 399,398, now Patent No. 2,366,178, dated January 2, 1945. Divided and this application November 11, 1944, Serial No. 563,014
7 Claims. (Cl. 29—195.5)



1. A corrosion-resisting thermostatic metal composed of an alloy having essentially the following composition:

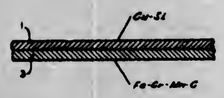
	Per cent
Manganese	0.2–0.6
Carbon	0.01–0.2
Chromium	12–20
Silicon	.2–1.5
Copper	.5–1.5
Iron	Remainder

and an alloy having essentially the following composition:

	Per cent
Copper	96–98
Silicon	2–4

the surfaces of said alloys being fused together at the junction.

2,482,899
CORROSION-RESISTING COMPOSITE METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application June 23, 1941, Serial No. 399,398, now Patent No. 2,366,178, dated January 2, 1945. Divided and this application November 11, 1944, Serial No. 563,015
5 Claims. (Cl. 29—195.5)



1. A corrosion-resisting thermostatic metal of an alloy having essentially the following composition:

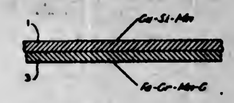
	Per cent
Manganese	0.4
Carbon	0.05
Chromium	16–20
Iron	Balance

and an alloy having essentially the following composition:

	Per cent
Copper	97
Silicon	3

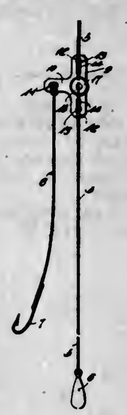
the surfaces of said alloys being fused together at the junction.

2,482,900
CORROSION-RESISTING COMPOSITE METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application June 23, 1941, Serial No. 399,398, now Patent No. 2,366,178, dated January 2, 1945. Divided and this application November 11, 1944, Serial No. 563,016
13 Claims. (Cl. 29—195.5)



1. A corrosion-resisting thermostatic metal composed of an iron alloy containing: manganese approximately 0.2–0.6%, carbon approximately 0.01–0.2%, chromium approximately 12–20%, and the balance iron; and a copper alloy containing: silicon approximately 0.5–4%, manganese approximately 0.15–1%, and the balance copper; the surfaces of said alloys being fused together at the junction.

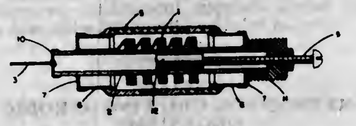
2,482,901
FISHING LINE BRACKET
Ralph F. Cianfrone, Guttenberg, N. J.
Application August 7, 1946, Serial No. 689,004
3 Claims. (Cl. 43—28)



1. A fishing line bracket for supporting a fish hook comprising a body having longitudinal bores in each end opening through the face of the body for passing the fishing line therethrough, a bolt extending through said body intermediate its ends and having an aperture therethrough in a plane spaced from the plane of the face of said body through which the fishing line passes, and a clamping member on the end of said bolt for securing the fishing line in clamping engagement with the body.

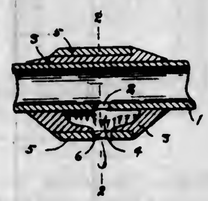
2,482,902
CHOKE COIL
Franklin Clark, Chatham, N. J., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application January 24, 1946, Serial No. 643,164
3 Claims. (Cl. 171—242)

3. A sealed-in choke coil comprising in combination a protective glass housing, a closure mounting at each end of said glass housing comprising a tubular metal ring having approximately the same coefficient of expansion as the glass housing and being sealed directly to said glass housing at the inside thereof, the seal between said glass housing and said ring being at one end of the ring only and the remainder of the ring extending substantially beyond the end of said



housing, a terminal cap hermetically secured to said metal ring, a choke coil within said housing mounted on a tubular support of electrically non-conductive material, said protective housing being hermetically sealed to said tubular support at both ends of said choke coil by means of said metal ring and said terminal cap, and an iron core within said tubular support.

2,482,903
DRAINAGE VALVE FOR MUSICAL INSTRUMENTS
Peter J. De Rubeis, Hurley, Wis.
Application April 3, 1947, Serial No. 739,177
5 Claims. (Cl. 84—397)



1. A valve unit for an apertured tubular member of a musical instrument comprising a sleeve-like body portion having an off-center bore therethrough to receive said member, said body portion having a chamber therein to receive fluid which flows from the aperture in said tubular member with an aperture leading to externally of said body portion from said chamber, and a sleeve-like rotatable member externally of said body portion and having an aperture therethrough for closing and opening the aperture in said body portion from said chamber.

2,482,904
METHOD OF CLEANING HEAT EXCHANGERS
Patrick F. Dougherty, Chester, Paul D. Barton, Phoenixville, and Edward M. Hughes, Chester, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application June 17, 1943, Serial No. 491,240
2 Claims. (Cl. 134—22)

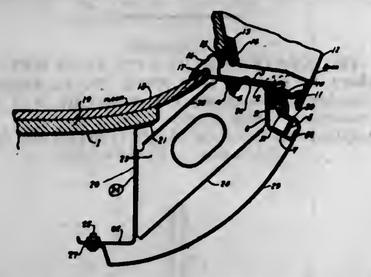
1. The method of cleaning the interior surfaces of heat transfer equipment in a substantially closed container, which interior has become fouled by deposition of material containing a substantial proportion of non-carbonized oil insoluble organic constituents while operating at a temperature below that required to form coke-like or carbonized deposits, which comprises contacting said non-carbonized oil insoluble fouling material at a temperature of at least 200° F. and above that at which the equipment operates under normal conditions, and below carbonizing temperature, with a soluble oil, said soluble oil consisting of a water in oil type of dispersion, continuing the contact of said non-carbonized oil insoluble fouling material with said soluble oil until a substantial amount of the material is loosened, and removing said soluble oil admixed with said fouling material from said equipment.

2,482,905
FOUNTAIN LIQUID-APPLYING BRUSH
Robert S. Elsner, Red Bank, N. J., assignor to Hanlon & Goodman Co., Belleville, N. J., a corporation of New York
Application October 14, 1948, Serial No. 54,453
9 Claims. (Cl. 15—128)



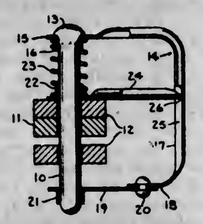
1. In a fountain, liquid-applying brush, the combination of a brush head, a body of bristles mounted at one end on the brush head and having the bristles thereof extending from the brush head in a generally parallel group, an inner feed block within said body of bristles adjacent the brush head, said feed block having a passage extending lengthwise thereof, said passage having an outlet within the body of bristles, an elongated outer feed block within the body of bristles, said outer feed block extending transversely of the body of bristles inwardly from the free end thereof and outwardly from the inner feed block, the outer feed block having a plurality of outlets in the wall thereof toward the outer ends of said body of bristles, a relatively wide, thin body of bristles mounted at one end on the outer feed block about the outlets therefrom, the bristles of said thin body of bristles extending parallel to and substantially to the free ends of the bristles mounted on the brush head, the two bodies of bristles together constituting the liquid applying means of the brush, and flexible conduit means connecting the outlet from the inner feed block with the outer feed block, whereby liquid passed through the passage in the inner feed block will be conducted by said flexible conduit means to the outer feed block and pass outwardly therefrom into the body of bristles mounted on the outer feed block and toward the free ends of both bodies of bristles, the outer ends of said flexible conduit means being detachably connected to the outer feed block, whereby said outer feed block may be detached for cleaning.

2,482,906
ROCKER PANEL ASSEMBLY FOR AUTOMOBILE BODIES
Harold L. Goodwin, Detroit, and Kenneth E. Coppock, Pleasant Ridge, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1946, Serial No. 687,822
7 Claims. (Cl. 296—28)



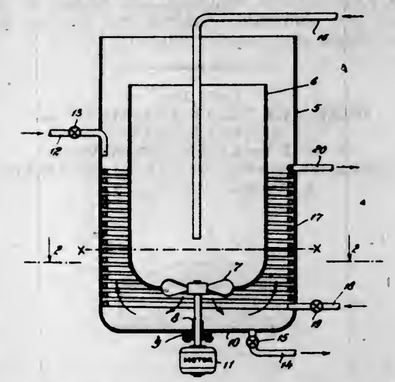
1. A sill and rocker panel assembly for metal bodies, having in combination with a metal floor pan, an inner rocker panel secured to the under side of the floor pan, an outer rocker panel arranged to have an easily engageable hook engagement with the outer edge portion of the floor pan and removably bolted along its under edge to the inner rocker panel, and inclined braces having one end welded to the outside of the inner rocker panel and the other upper end welded to the underside of the floor pan, said braces being independent of the outer rocker panel.

2,482,907
COUPLING PIN
Glen Hagen, Clintonville, Wis., assignor to Jack J. Schumacher, Shawano, Wis.
Application September 16, 1947, Serial No. 774,261
2 Claims. (Cl. 280—33.15)



2. A lock equipped coupling pin comprising a solid straight-sided pin with a head at one end and an unheaded end, a collar spaced from said head and fixedly secured to said pin, that portion of said pin between said collar and said unheaded end being insertible in the alined openings of bars to be coupled, a locking frame having an upper arm extending laterally of said pin, said arm having a bearing slidably mounted on said pin between said head and said collar, said frame having a bridge extending from said upper arm in substantial axial alinement with said pin, a locking arm pivotally mounted to said bridge to swing in a plane normal to the axis of said pin and having an opening adapted to receive the unheaded end of said pin when swung into axial alinement therewith whereby said portion may be retained in coupling position, and a coil compression spring surrounding said pin and reacting between said collar and said upper arm to resiliently urge said locking frame toward said head to maintain said locking arm opening in engagement with said pin, said collar having an integral laterally extending trigger forming a handle which may be manually grasped in connection with said upper arm to assist in compressing said spring and move said locking frame toward the unheaded end of said pin to disengage said locking arm, said trigger and said bridge being slidably interfitting to maintain said trigger in relative alinement with said upper arm.

2,482,908
METHOD FOR GROWING AEROBIC ORGANISMS
Raymond S. Hatch and Richard N. Hammond, Longview, Wash., assignors to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
Application May 16, 1945, Serial No. 594,082
6 Claims. (Cl. 195—107)



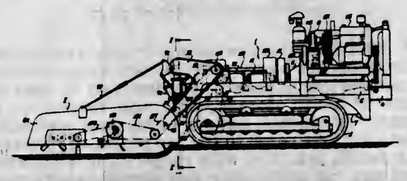
1. The method of improving the propagation of aerobic organisms which require large amounts of oxygen for their development when grown in liquid substrates which comprises simultaneously agitating and beating air into a central portion of a liquid substrate containing the inoculum of the organism and nutrient therefor at the interface between the substrate and the overlying atmosphere to effect intimate contact of the oxygen of the air with the substrate, the amount of air beaten into the substrate being sufficient to produce copius foam, passing the foam and liquid entrained therewith upwardly through the space overlying the peripheral portion of the substrate, and returning the residue of the foam with fresh air to be beaten into the central portion of the substrate.

2,482,909
MAGNETIC HAMMER
Lonie M. Herts, Farmington, Mo.
Application February 27, 1946, Serial No. 650,520
1 Claim. (Cl. 145—30)



A magnetic hammer, including a magnetized metallic head having oppositely disposed flat faces thereon, and a handle secured to said head intermediate of said faces, one of said faces having a cross-shaped recess formed therein centrally thereof and a circular bore at the bottom of and communicating with the recess, and said recess and said bore are adapted to retain a staple or nail therein in driving position, a set screw in said head at right angles to said bore and adapted to protrude into said bore, a striking end having a semi-spherical shaped head provided with a cross-shaped stud on the rear of said head and a tit formed at the center of said cross-shaped stud and said stud is adapted to enter said recess and said tit is adapted to enter said bore and be engaged by said set screw to retain said stud and said tit in said recess and said bore.

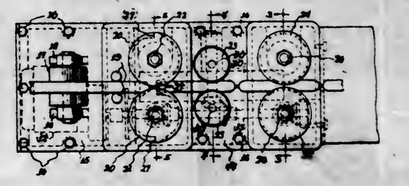
2,482,910
MOUNTING FOR SOIL TREATING UNITS
Henry C. Hettelsater, Whitefish Bay, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Original application December 13, 1943, Serial No. 514,177. Divided and this application December 8, 1944, Serial No. 567,228
6 Claims. (Cl. 94—40)



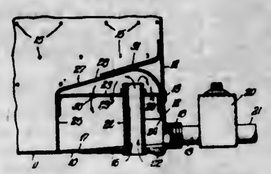
1. In a soil treating apparatus, the combination comprising a transporting unit movable over a surface to be treated and including a frame, an overhanging soil treating unit disposed to the rear of said transporting unit, an elevating member having a pair of arms pivoted at the rear of said frame on a single horizontal axis for vertical swinging movement and pivotally connected at their ends to the front of said soil treating unit, power operated means connected to said arms to swing said elevating member and to hold the same in adjusted positions to which it is swung whereby the front end of said treating unit may be raised and lowered, and a supplementary power operated lifting means mounted on and carried by said elevating member to move therewith cooperatively engaging said treating unit at a point spaced from the pivotal attachment of said elevating member the same being adapted to support the rearward end of said treating unit and to adjustably lift and lower the same independently of the movement of said elevating member whereby said treating unit may be leveled and inclined thereby in each adjusted position of said elevating member, and means on said transporting unit for controlling said power operated means and said supplementary power operated lifting means.

2,482,911
APPARATUS FOR LINKING SAUSAGE
John H. Holstein, Chicago, Ill.
Application December 21, 1946, Serial No. 717,684
8 Claims. (Cl. 17—34)

1. In an apparatus for linking sausage, a main frame, two spaced segregating rollers mounted on said main frame adjacent the advance end of the apparatus, power means for driving said rollers, said rollers having spaced registering segregating lugs engageable with opposite sides of the casing of the bulk sausage at regular intervals to segregate the bulk sausage into even links, two spaced rollers mounted on said main frame at the discharge end of the apparatus, power means for driving said rollers, said rollers being adapted to engage opposite sides of the linked sausage and hold the linked sausage from twisting movement and pull it through the apparatus, and two spaced rectilinearly movable twisting rollers disposed between said segregating and said holding rollers for engagement with opposite sides of the sausage, reciprocating drive mechanism operatively connected to said rollers to oppositely move said rollers in the directions of their axes, and twist the segregated links of the sausage, while the sausage on opposite sides of said twisting rollers is held from twisting movement, said twisting rollers being freely rotatable in the directions of travel of the sausage through the apparatus, to permit uninterrupted travel of the sausage through the apparatus during the twisting operation thereof.



2,482,912
OIL PILOT DEVICE FOR TRAY TYPE OIL BURNERS
Kenneth S. Jenson, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application February 11, 1946, Serial No. 646,821
5 Claims. (Cl. 158—91)



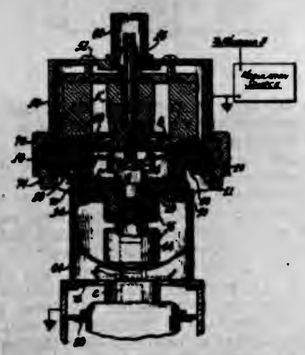
1. In a burner, in combination, means providing a combustion chamber having a bottom of dished conformation, means providing a mixture chamber located at one side of said bottom, said last mentioned means having apertures at the top thereof for the admission of air to said mixture chamber, a wall mounted above said last mentioned means and spaced from said last mentioned means to provide a passageway for air to said apertures, a vertically disposed tube extending through said mixture chamber and providing communication for combustion air from a level below said bottom to said passageway, and an oil inlet to said burner at said one side thereof, said bottom being provided with a depressed portion adjacent to said inlet, said depressed portion being defined by a weir for distributing fuel circumferentially and radially into said bottom of dished formation, said depressed portion being further depressed to provide a sump for holding a small supply of fuel, said tube being in thermal communication with said depressed portion.

2,482,913
PIPE PERFORATOR
John R. Jobe, Houston, Tex.
Application March 12, 1945, Serial No. 582,369
4 Claims. (Cl. 166—1)



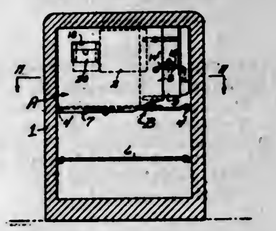
1. A pipe perforator comprising, a body shaped to be lowered into a pipe in a well and having a radial bore opening outwardly thereof, a tubular barrel slidable in the bore of the body, a plug mounted in the barrel and having an inlet channel therethrough, a slidable plunger in the barrel behind the plug, means retaining the plunger and plug initially in inner position, means for forcing the barrel and plug assembly radially outwardly, as a unit to contact the barrel with the well pipe, and means for forcing the plug further radially outwardly, independent of the barrel, to cause the plug to penetrate the wall of the pipe.

2,482,914
SIGNALING
Harwick Johnson and Vernon D. Landon, Princeton, N. J., and Alpha M. Wiggins, South Bend, Ind., assignors to Radio Corporation of America, a corporation of Delaware
Application June 27, 1945, Serial No. 601,798
5 Claims. (Cl. 332—30)



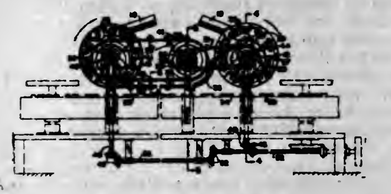
1. In a signalling system, a magnet having pole pieces between which there is a gap, an alternating current path of low impedance in shunt to said gap, a diaphragm mounted adjacent the said pole pieces, a winding carried by said diaphragm and extending into said gap, a first condenser plate mounted for movement by said diaphragm, a second condenser plate mounted in coupled relation with said first condenser plate, high frequency electrical connections to said plates, a vernier plate mounted for adjustment relative to said second plate, and modulating means for controlling the current through said winding.

2,482,915
REMOVABLE MEAT STORAGE INCREASER
Benjamin F. Kabeckey and Otto R. Quade, Milwaukee, Wis.
Application January 14, 1946, Serial No. 641,137
4 Claims. (Cl. 62—89)



4. The combination with a refrigerator having storage shelves and supporting brackets therefore, of compartment panels, one designed to take the place of a top storage shelf and to rest on its supporting bracket, and the other panel extending from said first panel to the top of the refrigerator, said panels provided with cooperating ventilating openings, an adjustable and slidable end extension, on each panel, means for holding said panels in adjusted position, and means for supporting and limiting the movement of said extensions.

2,482,916
AUTOMATIC FEEDER AND POSITIONER
Thomas M. Kane, Baltimore, Md.
Application May 26, 1947, Serial No. 750,470
2 Claims. (Cl. 198—163)

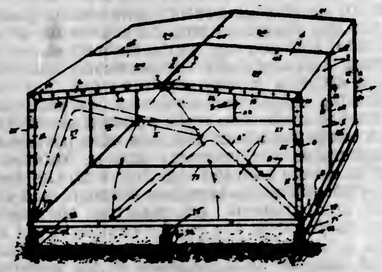


1. In a mechanism of the class described, a pick-up wheel, a plurality of cups peripherally mounted on said wheel, said cups having longitudinal slits in the wall thereof, L-shaped fingers pivoted outwardly of said cups, spring means carried by said cups and normally pressing on said fingers to force a portion thereof to extend within the slits in the cups, chutes adjacent said wheel for supplying said cups with an article of food, means for rotating said wheel, a cam cooperating with said fingers and spring means to periodically oscillate said fingers to alternately grip the article of food in the cups and to permit its release therefrom, a conveyor for carrying the article of food upon release from said cups, said means for rotating said wheel including notched wheels, a belt connecting said wheels, and stabilizing elements carried by said belt for centering each article of food upon said conveyor.

2,482,917
SCROOPING COMPOSITION
Saul Kaplan, Teaneck, N. J., assignor to Onyx Oil & Chemical Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application May 16, 1947, Serial No. 748,663
3 Claims. (Cl. 106—135)

1. A scrooping composition in the form of an oil-in-water emulsion comprising a continuous phase of an aqueous solution of a film-forming organic colloid and a dispersed phase including butoxyethyl stearate, the butoxyethyl stearate being present in an amount effective to impart scroop to rayon and silk when treated with the composition.

2,482,918
PREFABRICATED BUILDING STRUCTURE
Ernest J. Kump, Jr., Atherton, Calif.
Application December 27, 1943, Serial No. 515,761
10 Claims. (Cl. 20—2)



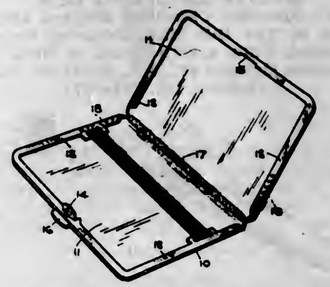
9. In a prefabricated building, a panel comprising a flat horizontally extending roof section and a flat vertically extending side wall section rigidly secured together for handling as a unit in erecting the building, a floor, means secured to said floor along one of its edges in pivotal engagement with the lowermost edge of said side wall section for swinging of said side wall section thereabout from an inclined position of said side wall section to its vertically extending position, said side wall section being free from securement to said means for removal from the latter when said side wall section is in said inclined position, and means respectively connected with said side wall section and said floor automatically movable into interlocking relationship for locking said side wall section to said floor section against vertical movement of said side wall section from said floor upon movement of said side wall panel to said vertical position.

2,482,919
NEEDLE FOR MAKING KNITTED FABRICS AND REKNITTING THEM
Edmond Lalanne and Pierre Grandjean, Marseille, France
Application August 28, 1947, Serial No. 769,566
In France June 4, 1947
5 Claims. (Cl. 66—117)



1. Knitting needle for the making and repairing of fabric comprising a hollow needle body apertured at one side adjacent its extremity, a hook formed at the end of the needle body adjacent said aperturing, a cam disposed within the extremity of the hollow body adjacent the aperturing, a journal in the needle body for said cam to turn upon, stop means for said cam to limit its movement of rotation, a concave surface on said cam to receive a thread, a slide surface of constant radius on said cam adjacent the concave surface and adapted to extend outwardly from the needle body beyond the point of the hook, and retaining means to retain a thread on the needle body adjacent the aperturing, the cam being rotatable between two extreme positions in one of which the concave surface thereon is closed by the end of the hook and the aperturing of the needle body is closed by the slide surface of the cam, and in the other of which the concave surface of the cam is open in the aperturing.

2,482,920
CIGARETTE AND CIGAR CASE
Samuel J. Levi, Birmingham, England
Application February 9, 1946, Serial No. 646,550
In Great Britain June 27, 1945
3 Claims. (Cl. 220—35)



1. A cigarette and cigar case comprising a pair of trays, hinge lugs on an edge of each tray, a hinge pin extending through said lugs connecting said trays hingedly together, said hinge pin being formed of torsionally resilient material, end portions of said pin being bent in opposite directions and engaging one with each of the bases of the trays at opposite sides of the case, said case at said opposite sides having integral inturned lips under which the said end portions are disposed, and said end portions being adapted to engage with said lips when the case is fully open so as resiliently to limit the opening movement of the case.

2,482,921
HOLDER FOR THE CARBON BRUSHES OF ROTARY ELECTRICAL MACHINES
Johannes Andries Christiaan Malehus, Amsterdam, Netherlands
Application January 25, 1947, Serial No. 724,358
In the Netherlands April 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 6, 1965
4 Claims. (Cl. 171—324)

1. A holder for a carbon brush of a rotary electrical machine comprising an integral body of electrically insulating material having a bore with a threaded portion of increased sectional area and a press member adapted to be screwed therein, to cooperate with a shoulder provided in the body between the threaded portion and the remainder of the bore, said body being adapted to accommodate not only a brush assembly consisting of a brush, one end of which being connected by a spring to a disc-shaped terminal member for supplying current to said brush and

adapted to be clamped between said shoulder and said press member, but also a connecting element adapted to be introduced between the press member and the terminal member and adapted to be



connected to at least one electric circuit, the threaded portion of the insulating body having at least one slot through which the connection of the connecting element to an electrical circuit is adapted to be made.

2,482,922
AIRLINE INFLATING GUN
James H. Marcum, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 14, 1947, Serial No. 779,791
2 Claims. (Cl. 284—17)

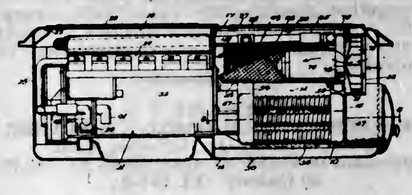


1. In combination with an air chuck of an air line and having a normally seated valve, an inflating gun comprising a body having a passage therethrough and a tubular extension adapted to place said passage in communication with the air line chuck, an attaching member for the gun formed of spring material and having an angularly disposed rearwardly extending portion and a portion extending rearwardly from said first portion substantially parallel to and embracing the air line rearwardly of the chuck, the spring material of the attaching member and angularly disposed portion thereof acting to normally maintain the gun in position with respect to the air line chuck such that the chuck valve remains seated except when the gun and chuck are pressed toward each other, and an inflating chuck mounted on said gun and in communication with said passage and having therein a chuck pin provided with a bore communicating with the interior of the inflating chuck and with an outlet opening communicating with said bore and of predetermined small size and capacity, wherefore when said inflating chuck is applied to the valve stem of an inflatable container only a small volume of air can pass from the chuck into the container in a given time period.

2,482,923
SOLDERING FLUX
James P. A. McCoy, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
No Drawing. Application April 28, 1945, Serial No. 590,949
17 Claims. (Cl. 148—23)

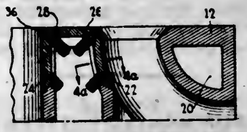
11. A soldering flux paste consisting of dialkyl thalic acid ester having an alkyl radical of not more than five carbon atoms and a natural gum resin selected from the group consisting of rosin and cherry tree gum.

2,482,924
ENGINE-GENERATOR UNIT
Lee W. Melcher, Oconomowoc, Wis., assignor to Waukesha Motor Company, Waukesha, Wis.
Application February 28, 1947, Serial No. 731,567
11 Claims. (Cl. 290—1)



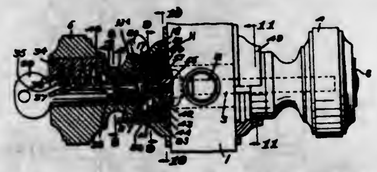
10. An engine-generator unit comprising a horizontally elongated housing consisting of bottom, side, end and top walls, embodying an upstanding substantially imperforate partition therein dividing it into adjoining but non-communicating engine and generator compartments, and having in its side walls opposed openings in direct communication with the side portions of the generator compartment and in another of its walls a hole adapted together with the openings to permit air to circulate through said generator compartment, an internal combustion engine mounted in the engine compartment and having a liquid type cooling system including a pair of radiator units disposed in the generator compartment and extending across said openings, and an electric generator mounted in the generator compartment and connected for drive by the engine, and fan means for circulating air through said generator compartment and past the radiator units.

2,482,925
METHOD FOR REPAIRING CRACKED HOLLOW METALLIC BODIES
Dudley Anson Mercer, Bloomington, Ind., assignor to Moguloid Company of America, Chicago, Ill., a copartnership
Application June 16, 1945, Serial No. 599,906
5 Claims. (Cl. 29—148)



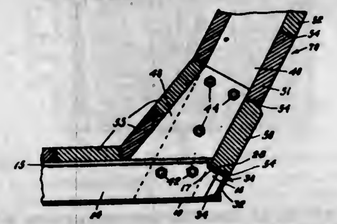
1. A method of repairing a hollow cast body having a crack therein extending from the hollow interior to the exterior thereof: said method comprising locating the crack, forming holes in the body from the exterior to the interior thereof through the ends of the crack, forming holes in the body from the exterior to the interior thereof at spaced points along the crack, tightly fitting pins in said holes whereby to isolate the crack from the sound portion of the cracked body and prevent relative movement of the walls of the crack along the crack, channeling the exterior of said body along the course of the crack, and then depositing sufficient metal in the resulting groove and on the pins by electric bonding to restore the original surface of the body.

2,482,926
DOOR LOCK
Joseph H. Milligan, Framingham, Mass.
Application November 2, 1946, Serial No. 707,437
6 Claims. (Cl. 70—217)



1. A door lock comprising a latch-releasing spindle extending through the door, an inner knob fast on said spindle, a knob-supporting member fixedly secured to the outer side of the door, an outer knob rotatably mounted on the knob supporting member, a knob-locking member movable axially relative to the outer knob but connected thereto to rotate therewith, said knob-locking member and knob-supporting member having cooperating means locking the knob-locking member and thus the outer knob from turning movement when said knob-locking member is in one position, said spindle and inner knob being movable axially from an outer to an inner position, and means rendered operative by the movement of said inner knob and spindle into their inner positions to shift the knob-locking member axially from its locked position to an unlocked position and to clutch said knob-locking member to the spindle.

2,482,927
MARINE CONSTRUCTION
Gordon Munro, Dorchester, Mass.
Application October 5, 1945, Serial No. 620,579
2 Claims. (Cl. 114—65)



1. In ship hull construction having transverse bottom metal angle frames spaced longitudinally of the hull, metal bottom plating and wooden side frames, in combination, a chine-forming base for side construction comprising angle irons extending longitudinally along marginal beam edge portions of said bottom plating, each of said angle irons being disposed with its angle facing inboard and with its lower deb welded to the bottom plating at an obtuse angle thereto and its upper web welded to end edges of said angle iron frames, and wooden side planking affixed to said wooden frames and based upon and extending upwardly from the upper webs of said angle irons.

2,482,928
NEEDLE HAIRBRUSH
Augusta Neff and George W. Neff, Philadelphia, Pa.
Application March 26, 1948, Serial No. 17,193
6 Claims. (Cl. 128—62)

1. In a brush of the character described, a main body member having a recess formed therein, a perforated inflexible face plate rigidly secured to said body member to enclose said recess, a plurality of rigid bristle elements respectively projecting loosely through the perforations of said face plate, said bristle elements being axially movable independently of each other through the



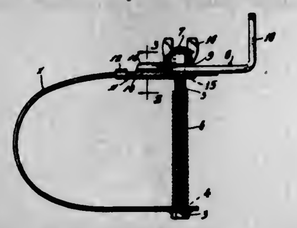
perforations of said face plate, and resilient means disposed within said recess and operative to impose an outward bias upon said bristle elements to maintain the same normally fully extended outwardly of said face plate.

2,482,929
MANUFACTURE OF FURS
Louis Nierenberg, Brooklyn, N. Y.
Application January 31, 1949, Serial No. 73,678
5 Claims. (Cl. 69—22)



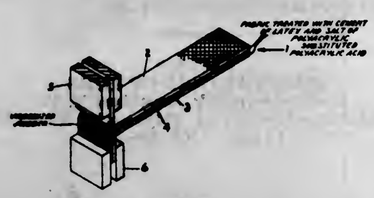
1. Method of cutting and lengthening a dressed fur skin of the class wherein the fur in the region of the rump and lower part of the grutzen is of coarser and heavier texture than the fur on the rest of the skin which comprises: excising said portion of heavier and coarser fur, trimming the skin along the lateral edges from one hind paw to, and around the head and back to the second hind paw, and joining the inner edges of said paws by stitching the same from the point on the grutzen of the excised portion to a point whereby the outer edges of the skins are brought into substantially parallel alignment with each other.

2,482,930
GOLF INSTRUCTING DEVICE
Joseph W. Norwood, Los Angeles, Calif.
Application May 19, 1947, Serial No. 748,931
5 Claims. (Cl. 36—1)



1. In a golf instructing device, a band adapted to fit the perimeter of the heel of a shoe, an arm pivoted at one side of said band adapted to swing in a position at right angles to said band, to contact the ground and provide a bearing surface to lift one side of said heel a substantial distance from the ground.

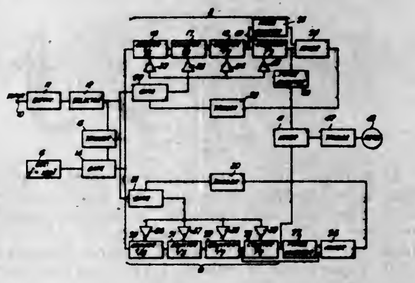
2,482,931
BONDING OF RUBBER TO FIBROUS MATERIALS
Fred S. Perkerson, La Grange, Ga., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia
Application December 6, 1944, Serial No. 568,581
13 Claims. (Cl. 154—139)



1. The method of improving the adhesion of rubber to a fibrous material which comprises applying an adhesive cement and a vulcanizable rubber compound to the said material and vulcanizing the rubber compound, said cement comprising rubber latex and a small percentage of a latex-soluble compound taken from the group consisting of salts of polyacrylic acid and salts of substituted polyacrylic acid.

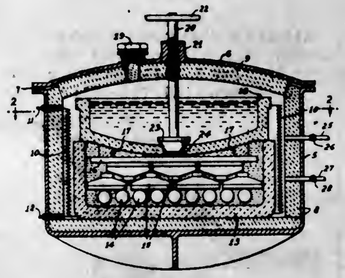
2,482,932
ELECTRICAL TESTING AND INDICATING SYSTEM
Edward Charles Pyatt and Kenneth Cedric Arthur King, London, England, assignors to Telephone Manufacturing Company Limited, London, England, a British company
Application July 29, 1947, Serial No. 764,528
In Great Britain July 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 24, 1966
8 Claims. (Cl. 178—69)

1. A device for indicating or measuring the distortion of a telegraph or like signal consisting of elements each of which are, or should be, an integral multiple of a telegraph unit, comprising comparison means selectively responsive to said signal during a period immediately following a whole number of units after a reference point of said signal, a second comparison means selectively responsive to said signal during a period immediately preceding a whole number of units after a reference point of said signal, said comparison



means each operating to produce a current or voltage which is a measure of the departure of said signal from the correct form, and indicating means responsive to said currents or voltages.

2,482,933
GLASS IMPREGNATED CARBON ARTICLES
Augustin L. J. Queneau, Morristown, N. J.
Application July 16, 1947, Serial No. 761,290
8 Claims. (Cl. 117—121)

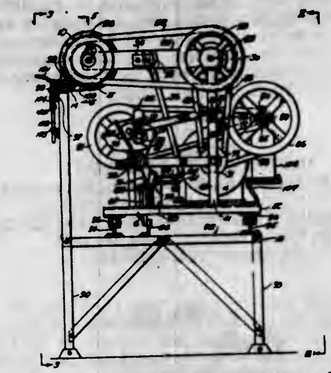


5. An article of manufacture comprising a body machined to its final form and consisting of porous carbon having a continuous carbon structure, substantially all of the pores of said body being of a size exceeding ten microns, and the pores substantially throughout the body being filled with glass of relatively low melting point extending into them from the surface thereof, said glass having been deposited and hardened in situ.

2,482,934
AUTOMATIC GRINDING MACHINE FOR MOWER SICKLES
Paul Rainbolt and Cleo E. Barber, Albany, Mo.
Application March 4, 1948, Serial No. 12,936
5 Claims. (Cl. 51—36)

1. A sickle bar blade grinding machine comprising a frame, means mounting a sickle bar with blades thereon on the frame, a carriage mounted to travel on the frame in a direction parallel to the sickle bar, a V-shape grinding wheel carried by the carriage, means reciprocating the grinding wheel toward and away from the sickle bar to grind the cutting edges of a pair

of blades, means elevating the grinding wheel at the end of each grinding stroke, and means moving the carriage to shift the grinding wheel from one pair of blades to another pair of blades.



2,482,935
VALUE PRINTING AND REGISTERING MECHANISM
Frederick Q. Rast, Rochester, N. Y., assignor to Commercial Controls Corporation, a corporation of Delaware
Application April 15, 1944, Serial No. 531,232
11 Claims. (Cl. 235—101)

9. In a value printing and registering mechanism, in combination, a cyclically operated head shaft, printing means for printing digits from zero to nine mounted on said head shaft, gear means rotatably mounted on said head shaft, manually operable differential gear means for actuating said first-mentioned gear means to set said printing means, means operatively connecting said first-mentioned gear means and said printing means, said printing means being set when said last-mentioned gear means is rotated with respect to said head shaft, and mechanism operatively connecting said head shaft and said differential means, said head shaft driving said first-mentioned gear means at the same rate of rotation as said head shaft during each cyclical operation.

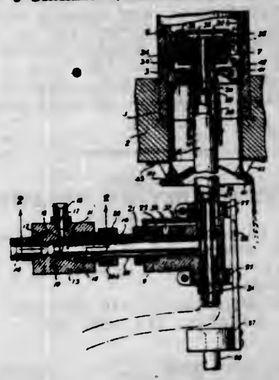
2,482,936
ROTATING WING FOR AIRCRAFT
Pierre Edouard Renoux, Aix-en-Provence, France
Application February 7, 1946, Serial No. 646,124
In France February 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 2, 1962
4 Claims. (Cl. 170—159)

1. In a rotating wing and blade for aircraft, a central longitudinal spar, upper and lower aerodynamically curved surfaces thereon, longitudinal dovetail grooves at the front and rear of said spar, a forward part for the wing, a longitudinal tenon on said forward part to engage in the groove at the front of the spar, whereby the forward part may be rigidly attached to said spar, a hollow



rear portion for the wing, transverse ribs in the rear portion, tenons carried by said ribs to engage in the groove at the rear of the spar whereby the rear portion may be rigidly attached to the spar, and spacing members disposed in the groove at the rear of the spar to abut against the tenons and thereby retain the ribs in parallel position.

2,482,937
FLAME HARDENING OF INTERNAL CYLINDRICAL SURFACES
Robert M. Rooks, Long Branch, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 21, 1946, Serial No. 692,057
6 Claims. (Cl. 148—21.56)

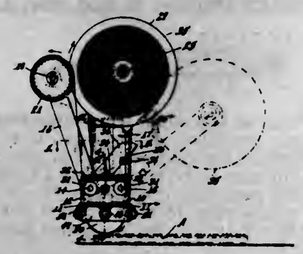


1. The method of hardening internal cylindrical surfaces of metal bodies which comprises directing a plurality of radially disposed heating flames against a substantially horizontal circumferential portion of the surface, moving the flames vertically and upwardly along the surface, quenching the heated surface immediately after the heating flames have been removed therefrom and maintaining a pool of quenching liquid in contact with the internal cylindrical surface and below the heating flames.

2,482,938
SOLVENT EXTRACTION OF PENICILLIN
Derrick Rowley, London, Herbert Steiner, Eccles, and Emanuel Zimkin, Sale, England, assignors to Petrocarbon Limited, London, England
No Drawing. Application May 16, 1946, Serial No. 670,216. In Great Britain September 26, 1945
3 Claims. (Cl. 260—302)

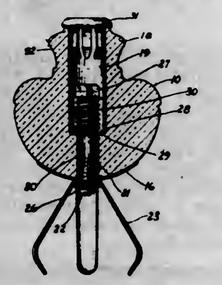
1. In the process of recovering penicillin from aqueous liquors containing the same, the steps which comprise bringing such an aqueous liquor to a pH of about 2 to 6, admixing therewith at least one methyl cyclohexanone, separating the resulting organic solvent layer from the aqueous layer and recovering penicillin from the former.

2,482,939
HAND PRINTING DEVICE
Clarence C. Ruebel, Fort Dodge, Iowa
Application June 7, 1945, Serial No. 597,997
17 Claims. (Cl. 101—260)



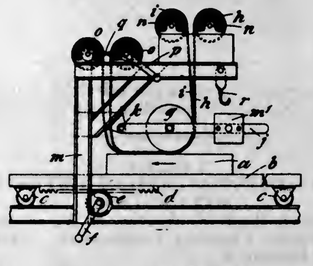
1. A printing device of the character described, comprising a main frame; a storage reel of paper tape; a rewind spool; an impression roller carried on and extending below the lowermost portion of the frame, the frame being adapted for movement along a galley of type whereby said roller bears on the type and supports the frame thereby, said tape from the reel being trained around the underside of the roller and connected to said rewind spool; and friction drive means comprising cooperating elements on said reel and spool for causing rotation of the spool to wind said tape thereon in response to rotation of said reel, incident to unwinding of the tape from the reel, by movement of the roller and tape over a galley of type.

2,482,940
FILTER FOR BEVERAGE BREWING APPARATUS
Edward J. Ruhnke and Henry S. Periman, Chicago, Ill., assignors, by mesne assignments, to Hill, Shaw Company, Chicago, Ill., a corporation of Delaware
Application December 7, 1946, Serial No. 714,746
5 Claims. (Cl. 210—162)



3. A filter for use over the upper end of a funnel of an upper bowl of vacuum type beverage brewing apparatus comprising a filter body provided with means on the lower portion of the exterior surface to provide a filtering space therebetween, said body having an axial passage provided with a shoulder, a stem slidably positioned within said passage and extending to the lower end of the passage, anchoring means secured to the lower end of said stem adapted to be pressed by contact with the body into the upper portion of the funnel of the upper bowl when the filter is placed in filtering position in the bowl for retaining the filter normally in axial alignment with the funnel, and resilient means under compression within said passage and engaging said stem and shoulder for pressing the filter downwardly relative to the stem into filtering position and being yieldable to permit the body to rise relative to the stem by pressure above a predetermined value exerted upwardly on the body to thereby increase the flow capacity of the space between the body and adjacent portions of the bowl.

2,482,941
MULTICOLOR PRINTING
Astra Ivanowna Sark, Ollerton, Knutsford, England
Application April 28, 1948, Serial No. 23,724
In Great Britain April 24, 1947
3 Claims. (Cl. 101—187)

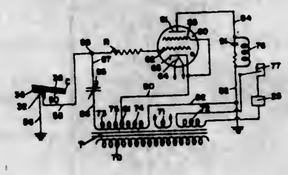


1. A multi-colour printing machine in which printing is effected by a printing surface which consists of or contains the dyes which effect printing, comprising a flat reciprocable printing surface, an adjustably weighted impression roller which rides on the back of the material which is being printed during the printing operation, and adjusts itself automatically to the height of the printing surface, rollers for paying out and taking up the material to be printed which passes in a loop between the rollers and beneath the impression roller, means whereby the impression roller may be raised and supporting means for holding the impression roller raised clear of the printing surface, the material when printed temporarily adhering to the printing surface and being peeled off the printing surface by being wound on to the take up roller when the traverse of the printing surface is completed and after the impression roller has been raised clear thereof.

2,482,942
TEXTILE ASSISTANTS MADE FROM SYNTHETIC TANNING AGENTS AND AMMONIUM COMPOUNDS
Eduard Schwager and Jakob Bindler, Basel, Switzerland, assignors to J. R. Geigy A-G., Basel, Switzerland, a firm of Switzerland
No Drawing. Application June 22, 1945, Serial No. 601,056. In Switzerland July 4, 1944
9 Claims. (Cl. 260—45.1)

1. Process for the manufacture of a water-soluble textile assistant, which comprises reacting in aqueous medium a synthetic tanning agent containing sulfonic acid groups with a cation-active quaternary ammonium compound containing a hydrocarbon radical selected from the group consisting of aliphatic and araliphatic hydrocarbon radicals containing 12 to 24 carbon atoms, a minimum of two sulfonic acid groups being present for each mol of quaternary ammonium compound, and finally rendering alkaline the obtained product, whereby it is converted into water-soluble form.

2,482,943
ELECTRIC FILLING STOP MOTION FOR LOOMS
Victor F. Sepavich, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 15, 1948, Serial No. 33,148
10 Claims. (Cl. 139—376)



1. In electric weft stop means for a loom wherein the presence or absence of weft is determined during a detecting period, weft thread detecting means comprising a condenser having one degree of capacitance when weft is present and having a different degree of capacitance when weft is absent during the detecting period, and loom controlling electric circuit means controlled by said condenser and effecting loom stoppage when said condenser has said different value.

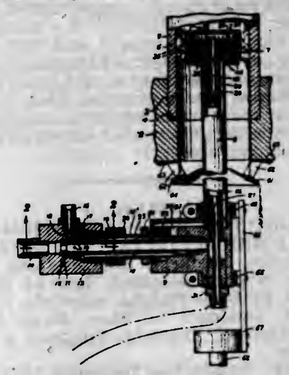
2,482,944
PIPE JOINT
Richard B. Shore, Waterloo, Iowa, assignor to Deere Manufacturing Co., a corporation of Iowa
Application March 10, 1944, Serial No. 525,836
12 Claims. (Cl. 285—49)



1. In combination, a wall of thin sheet material having a circular opening therein, said material being offset to provide a recess or indentation polygonal in shape around said opening and a circular flange around the opening extending away from said sheet, a fitting of circular cross section and having a bead around one end and a polygonal head at the other end, said bead being adapted to be pressed through said opening and engage the end of said flange and said head being adapted to seat in said recess, the polygonal head interfitting with said polygonal recess to prevent rotation of said fitting in said opening.

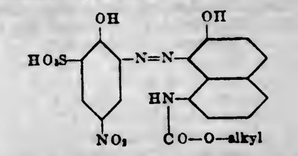
2,482,945
METHOD OF FLAME HARDENING
Stephen Smith, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1946, Serial No. 699,285
1 Claim. (Cl. 148—21.56)

The method of hardening cylindrical surfaces of a hardenable ferrous alloy which comprises positioning the cylindrical surface in a substantially vertical position, progressively moving jets of relatively cold gaseous medium axially and upwardly of the cylindrical surface and directing them onto the surface to be hardened to precool it to a substantially uniform temperature, progressively directing an annular row of heating flames against the precooled surface closely adjacent the portion of the surface against which the precooling gaseous medium is being directed, the intensity of the flames and the duration of their contact with the precooled surface being sufficient to bring the surface progressively to its critical temperature, and progressively directing jets of a quenching liquid onto the heated surface immediately beneath the zone of application of the heating flames.



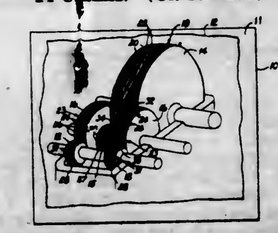
2,482,946
MONOAZO DYESTUFFS AND A PROCESS OF MAKING SAME
Willy Steinemann, Basel, Switzerland, assignor to Sandoz Limited, Fribourg, Switzerland, a Swiss firm
No Drawing. Application August 7, 1945, Serial No. 609,499. In Switzerland September 1, 1944
4 Claims. (Cl. 260—151)

3. A monoazo dyestuff of the formula



which dyestuff, on treatment with chromium, produces on wood olive-green shades possessing very good fastness properties to washing, to milling and to light.

2,482,947
DISPLAY DEVICE
John Swarbrick, Nokomis, Ill.
Application July 12, 1948, Serial No. 38,340
14 Claims. (Cl. 40—137)



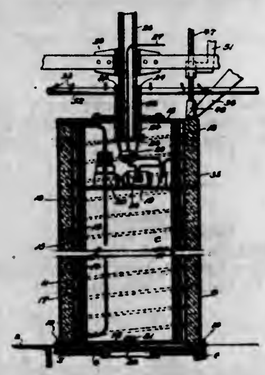
6. In a display device of the character indicated, the combination of a pair of sheet members of opaque material, one of said members having on a face thereof a picture illustrating in perspective, enmeshed gear elements, said member being formed to provide in an area thereof containing a peripheral portion of one gear a set of

equally spaced parallel bars and intervening openings through the member, and in another area thereof containing a peripheral portion of the other gear, a set of equally spaced parallel bars and intervening openings through the member, the first said bars and the second said bars differing in number per unit length of the areas containing the bars, and the other of said sheet members having equally spaced parallel lines on a face thereof, the sheet members being arranged such that said lines are discernible through the openings in said one member.

2,482,948
METHOD FOR THE PRODUCTION OF COLUMBIUM CONTAINING STEEL
Charles Sykes, Sheffield, England, and Charles William Wright, deceased, late of Sheffield, England, by Doris Wright, executrix, Sheffield, England, assignors to Thos. Firth & John Brown Limited, Sheffield, England, a British company
No Drawing. Application December 19, 1947, Serial No. 792,858. In Great Britain November 11, 1946
Section 1, Public Law 690, August 8, 1946
7 Claims. (Cl. 75—129)

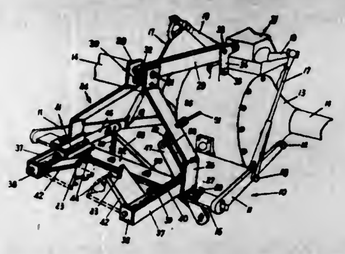
1. A process for the direct production of a columbian containing steel which is characterized by the steps of adding columbium bearing ore and a reducing agent in the solid state to a steel base before melting of the base is completed and then heating the mixture to melt the base and to reduce the ore.

2,482,949
CONCRETE PIPE FORMING MACHINE
Nicholas Tankovich, Columbus, Ohio
Application March 29, 1946, Serial No. 658,280
5 Claims. (Cl. 25—37)



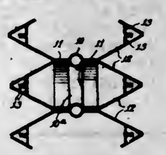
4. In a concrete pipe-forming machine, a cylindrical outer form, an inner vertically movable core having a cylindrical outer mix-engaging surface disposed in concentric spaced relation to said outer form and providing therewith an annular chamber for the reception of a pipe-forming mix, means for simultaneously rotating said outer form and said core, electrically operated refrigerating means integrally carried within said core for refrigerating the outer mix-engaging surface thereof, and sprinkler means for applying a film of water to the outer surface of said core upon vertical movement thereof, said refrigerating means being operable to freeze a film of water upon the outer surface of said core.

2,482,950
POST PULLER
Abner S. Toftey, Kanawha, Iowa
Application January 11, 1947, Serial No. 721,617
2 Claims. (Cl. 254—30)



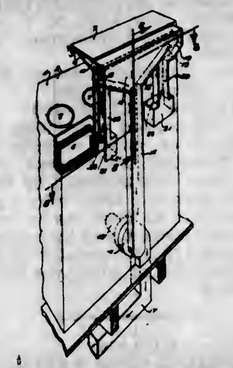
2. A post puller attachment for a tractor having a pivoted lift frame pivotally supported at one end on said tractor and having its other end extended outwardly from an end of the tractor, said attachment comprising a transverse body member mounted on said other end of the lift frame, a pair of longitudinally extended rock shafts rockably supported in a spaced relation on said body member, a pair of oppositely arranged post-engaging arms on said shafts, reversely inclined rock arms on said shafts, a link pivotally connected between the free ends of said rock arms, spring means connected between one of said rock arms and said body member for yieldably moving and holding said rock shafts in positions at which said post-engaging arms are in a substantially common plane, and manually operated means for moving said rock shafts against the action of said spring means to provide for the movement of said post-engaging arms to positions inclined upwardly and inwardly toward each other.

2,482,951
CONDENSER
Cornelius G. Vonk, Grand Rapids, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1945, Serial No. 605,866
3 Claims. (Cl. 257—255)



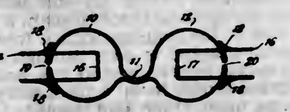
1. A unitary condenser assembly having a plurality of straight runs and reverse bends joining said runs to each other, comprising two elongate members having approximately identical cross sections and arranged in a sinuous assembly, said members comprising metal strips having continuous central regions of semicircular cross section extending longitudinally of the strips for defining a cylindrical central tube; longitudinal wings at diametrically opposite sides of said semi-cylindrical regions and arranged with the wings of one strip superposed upon and attached to the corresponding wings on the other strip; said semi-circular central regions and said wings extending continuous throughout said sinuous assembly; a plurality of longitudinal fins on said strips extending obliquely outward from said wings, said fins on each strip diverging from each other and attached to the fins of an adjacent strip, said fins terminating at the ends of each run of said sinuous assembly; and means defining clips on said fins, and being arranged with the clips on one strip attached to the clips of the adjacent strip thereby to reinforce the attachment of said strips to each other for effecting the unitary assembly of said condenser.

2,482,952
COOKING RANGE WITH VENTILATING HOOD
Harry L. Warren, South Pasadena, Calif., assignor to Southern California Gas Company, Los Angeles, Calif., a corporation of California
Application April 10, 1945, Serial No. 587,527
11 Claims. (Cl. 126—299)



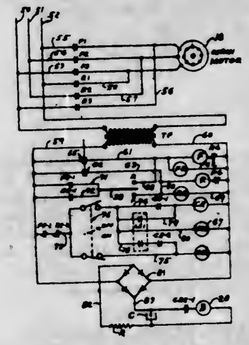
1. A hood structure for ranges having an exposed cooking surface and an enclosed cooking compartment below, said hood structure comprising: a hollow shelf extending over said cooking surface from the back side thereof and having an opening thereto along its extreme forward margin; a manifold communicating with the interior of said shelf along its back edge and depending therefrom; a duct extending upwardly from the enclosed cooking compartment to said manifold; and an exhauster having its intake side connected with said manifold to withdraw gases simultaneously from said exposed cooking surface through said hollow shelf and manifold and to withdraw gases from said cooking compartment through said duct and said manifold.

2,482,953
GARMENT FRAME
Harry Waters, New York, N. Y.
Application June 13, 1946, Serial No. 676,525
5 Claims. (Cl. 2—42)



1. An integral, snap-on, spring frame for strapless brassières, comprising a continuous length of self-supporting and deformable rod-like material shaped to form a pair of interconnected and spaced ring members open at the outside, then bent back on the upper and lower segments of the ring and continued laterally as parallel, spaced framing members joined by integral end portions, the framing members being shaped to form arcuate, torso-engaging side bands, the ring members serving as breast-receiving members and the side sections being conformed to and gripping the torso, with the ends of the bands engaging the torso beneath the shoulder blades.

2,482,954
ELECTRIC MOTOR BRAKING CONTROL
Irving F. Weiss, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application September 20, 1947, Serial No. 775,270
5 Claims. (Cl. 318—275)

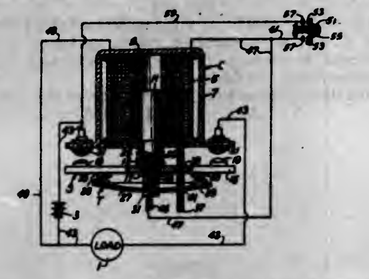


1. In a machine tool having a movable member, a reversible electric motor for driving said member, a control circuit for said motor including forward and reverse motor control switches and a plugging switch for decelerating said motor to a predetermined low speed when said control switches are open; and electrically controlled brake means for braking the movement of said member and motor; the improvement which consists in providing mechanism for stopping said member in a predetermined position and comprising a cam moving in timed relation with said member, a braking switch in said circuit for controlling said brake means, a movable support for said braking switch and normally positioned so that said braking switch is out of operative relationship with said cam, an electromotive device in said circuit for moving said support to position said braking switch in operative relationship with said cam, and means in said circuit for causing actuation of said electromotive device automatically when said motor has been decelerated by said plugging switch to operatively associate said braking switch and said cam to effect application of said brake means under the control of said cam to stop said member in a predetermined position.

2,482,955
CIRCUIT BREAKER
Harold M. Wilson, Lexington, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Original application April 22, 1943, Serial No. 483,984. Divided and this application December 8, 1947, Serial No. 790,403
8 Claims. (Cl. 175—294)

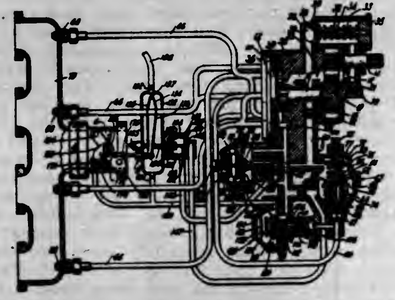
1. A thermostatic switch comprising fixed contacts, a fixed solenoid coil, an assembly comprising a movable contact bus engageable and disengageable with said fixed contacts and organized with a movable armature responding to energization of the coil, means biasing said assembly toward disengagement of said bus from said fixed contacts, a thermostatic member mounted on and bodily carried with said bus,

movable contacts controlled by said thermostatic member and adapted when said member is cold electrically to engage the bus to form a shunt path through said thermostatic member, said thermostatic member when hot moving to a po-



sition to break the shunt circuit therethrough, a load circuit including said fixed contacts, a holding circuit including said thermostatic member when it is in cold position and also said bus, and manually-operable means for initially moving the assembly of said armature and bus to engage the bus with said fixed contacts.

2,482,956
FUEL SUPPLY SYSTEM
Emil O. Wirth and Frederik Barfod, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 10, 1946, Serial No. 689,711
26 Claims. (Cl. 122—119)



1. In a fuel supply system for an engine, a fuel supply conduit, a means for varying the pressure of the fuel in said conduit in accordance with engine speed, a passageway communicating with said conduit on either side of said pressure varying means and having two calibrated orifices therein, a means for varying the effective size of one of said orifices, a metering jet disposed in said conduit downstream from said passageway, a valve in said conduit posterior to said metering jet regulated by the pressure in said passageway between said orifices, a plurality of fuel discharge means communicating with said valve for delivering metered fuel to the air entering the engine, and a temperature responsive means for controlling the richness of the fuel-to-air mixture.

2,482,957
SADIRON REST FOR IRONING BOARDS
Louis A. Willens, Los Angeles, Calif.
Application June 29, 1948, Serial No. 35,951
4 Claims. (Cl. 248—117.4)

1. A sadiron rest, including: a base; means secured to said base for attaching the latter to an ironing board so that it lies on the top side thereof; a sadiron-receiving platform; and means mounting said platform on said base for rota-

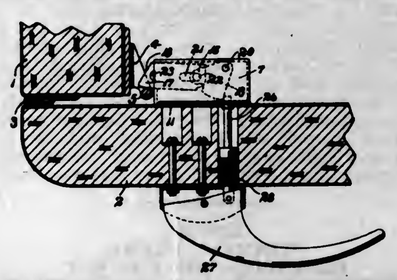


tive adjustment in a fixed plane parallel thereto, and frictionally retaining it in any position of adjustment.

2,482,958
CHEMICAL MANUFACTURE
Eric R. Woodward, New York, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application August 23, 1946, Serial No. 692,708
3 Claims. (Cl. 99—150)

1. An improved method of reducing the microorganism content of spices without materially bleaching or altering the natural strength or flavor of the spice, characterized by the steps in sequence of treating the spice with a mixture of chlorine dioxide and an inert gas by bringing the two into intimate contact and thereafter heating the spice so treated to a temperature not less than 100° F., but below that at which the spice is deleteriously affected.

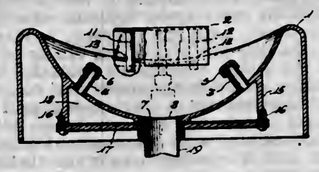
2,482,959
REFRIGERATOR LATCH
Lloyd L. Anderson and Robert E. Johnson, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application June 10, 1946, Serial No. 675,720
5 Claims. (Cl. 292—63)



1. In a latch structure, a housing having spaced sides and having an end between said sides with an opening therethrough, a latch bolt located within the housing with a free end portion thereof adapted to pass through said opening, a member located within the housing of a generally triangular form, a pivot pin carried by the housing upon which said member is mounted for pivotal movement at one of its corners located inwardly a distance from the inner end of the bolt and near the edges of said sides, a pin extending through said member at another corner thereof located outwardly a distance from said first pin, said latch bolt having longitudinal slots for the passage of said pin therethrough, spring means housed in the bolt bearing at one end against second mentioned pin and at the other end, bearing against the bolt to normally hold the bolt in an outer position with respect

to said member, said bolt being movable inwardly on compression of said spring with said member held against movement, and a movable stop means located adjacent the remaining corner of said member and back thereof to normally hold the member against movement, said movable member being adapted to be moved away from its normal position to release said member for pivotal movement.

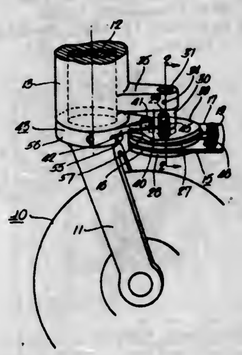
2,482,960
FOUNTAIN EYE BATH
Roy G. Benson, Berwyn, Ill., assignor to Benson & Associates, Inc., Cook County, Ill., a corporation of Illinois
Application November 8, 1946, Serial No. 708,643
3 Claims. (Cl. 4—166)



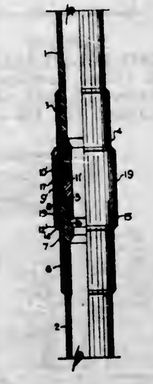
1. An emergency eye bath for continuously washing both human eyes simultaneously comprising an elliptical bowl adapted to embrace the upper part only of the human face, the internal length of said bowl corresponding approximately to the width of the human face, the internal width of the bowl corresponding approximately to the distance between the center of the forehead and the center of the nose, the front rim being depressed in relation to the side and rear rims of the bowl, a pair of opposed nozzles one at each end of the bowl, said nozzles being directed upwardly and inwardly at an angle to discharge solid streams of liquid in upward arcs from the nozzles during operation of the device, said arcs intersecting midway the length of the bowl and intermediate its width, said nozzles being located above the drain, a drain in the bowl, a spring loaded valve having an inlet adapted to be attached to a source of continuously flowing liquid, said valve being mounted on said bowl, the valve stem of said valve extending upwardly through the rear rim of said bowl, a valve-actuating plate and head rest attached to the valve stem, said valve and actuating plate being disposed midway the ends of the bowl, said plate being adapted to operate the valve when the forehead rests thereon, and said plate being disposed above the rear rim at a point such that when the valve is so actuated the upper portion of the face only is embraced by said bowl, and liquid distributing means connecting the outlet of said valve with said nozzles.

2,482,961
FRICTION DEVICE FOR DAMPING SHIMMY IN CASTER WHEELS
Arthur E. Bishop, Chatswood, near Sydney, New South Wales, Australia
Application January 16, 1948, Serial No. 2,763
11 Claims. (Cl. 16—35)

11. Apparatus for damping oscillations of a swivel wheel comprising a pair of relatively spaced plates rotatable as a unit in response to oscillations of the swivel wheel, a member intermediate said plates rotatable relative thereto about a center offset from the center of rotation of said plates, elements of high friction coefficient carried by said member and in frictional contact with said plates tending to cause said member to rotate with the plates, and means opposing rotational movement of said member tending normally to center the same and restraining rotation of the plates.



2,482,962
TOOL JOINT WEAR COLLAR
Elvin G. Boice, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application February 8, 1946, Serial No. 646,459
9 Claims. (Cl. 285—146)



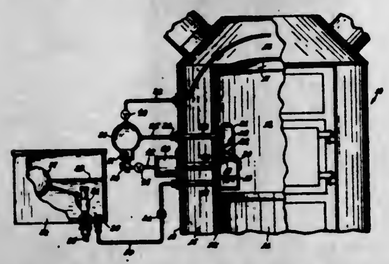
1. A tool joint comprising cooperating coupling members adapted to be directly connected to each other, a wear sleeve partially encasing at least one of said coupling members and having an external circumference greater than that of said coupling members, one of said coupling members having a circumferential shoulder on its external surface, one end of the sleeve being axially slotted and means integral with the slotted end of the sleeve adapted to engage said shoulder to releaseably secure said sleeve to the coupling member having the shoulder, said wear sleeve being completely unattached to the second coupling member.

2,482,963
COMBINED WALLPAPER DISPLAY CARD AND COLOR POSITIONING TAB
Foster L. Clute and Howard Claud Schroder, San Francisco, Calif., assignors to The W. P. Fuller Company, San Francisco, Calif.
Application February 14, 1949, Serial No. 76,306
1 Claim. (Cl. 25—50)



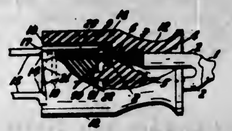
A wall paper display card having an opening formed therethrough, whereby a sample of wall paper may be attached to said card and viewed through said opening, a plurality of color areas formed in said card, and a plurality of tabs secured to said card and extending into said opening, each of said tabs having a color corresponding to one of the color areas and so positioned that the color area on said tab is normally invisible when said tab is extending into said opening and is viewable when said tab is folded out of said opening.

2,482,964
HUMIDIFYING AIR-HEATING FURNACE
Charles C. Cohee, Indianapolis, Ind.
Application October 10, 1946, Serial No. 702,517
7 Claims. (Cl. 126—113)



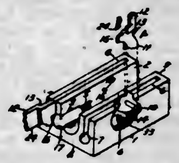
1. In a humidifying heating furnace having a combustion chamber and an air heating chamber surrounding said combustion chamber and including a dome positioned above said combustion chamber, a boiler within said combustion chamber and having a substantially flat top wall, means for supplying water to said boiler and for maintaining the water level in said boiler always well below said top wall, means defining a superheater chamber within said combustion chamber, said boiler top wall being provided with a restricted part providing communication between said boiler and said superheater chamber, and conduit means leading from said superheater chamber into said dome.

2,482,965
ELECTRIC CONNECTOR
William H. Cook, Toledo, Ohio
Application December 18, 1945, Serial No. 635,800
6 Claims. (Cl. 173—361)



5. An electric connector comprising an insulation two-part housing having a terminal communication face at one side and a conductor-receiving opening at a different side, said latter opening extending to a wedge guide, the terminal communication face having a recess with terminal-locating seats along opposite sides thereof to communicate with the opening, terminals in the seats having perforated end offsets in proximity to the guide, a relatively rotatable insulation member seated in the recess and coacting to position the terminals in the housing, said member having conductor end receiving openings adapted to register with the terminal offset perforations, and a conductor pair insertable into the conductor-receiving opening and directed by the guide to have end portions pass thru the terminal perforations and enter the insulation member openings, whereby rotation of the member relatively to the housing effects pinch holding of the conductors with the terminals at the offsets.

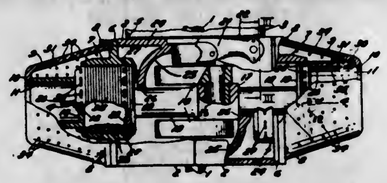
2,482,966
TERMINAL MOUNTING ELECTRIC FITTING
William H. Cook, Toledo, Ohio
Application August 21, 1946, Serial No. 692,091
5 Claims. (Cl. 173—361)



4. A device of the class described comprising outer and inner body members, one of said members having a hole therein directed toward a seat therealong, a prong-providing contact blade adapted to be positioned in the seat, and an electric conductor wire thru the hole and extending along the blade at the seat, said seat providing a bearing for relative angular movement between the blade and said seat-providing one member, said blade including a tongue coacting in said movement to pinch-anchor the hole-held wire in said one member, the other member being movable relatively to the blade and one member to lock the blade to hold the wire pinched and the prong to protrude from the device.

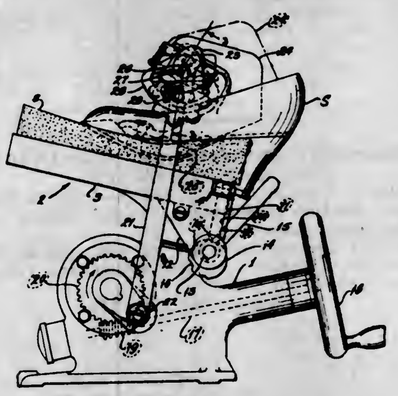
2,482,967
RECIPROCATING CYLINDER ENGINE
William H. Cook, Toledo, Ohio
Application December 31, 1946, Serial No. 719,518
6 Claims. (Cl. 123—50)

3. A two cycle gas engine housing comprising a precompression chamber section, directly therefrom an exhaust chamber section mounting a fixed partition between the otherwise adjoining chambers of the sections and providing a bearing, a head fixed with the exhaust chamber section, and a combustion chamber reciprocable in the bearing toward and from the head



and coacting at a position away from the head for annular port communication between the chambers to opposite sides of the partition.

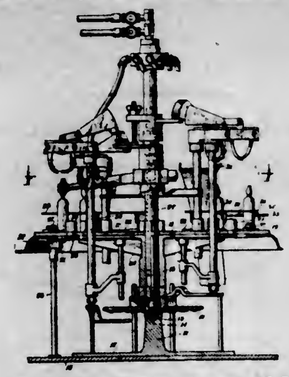
2,482,968
SHOE PRESS
Ernest Dunford, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo.
Application November 12, 1947, Serial No. 785,200
9 Claims. (Cl. 12—33)



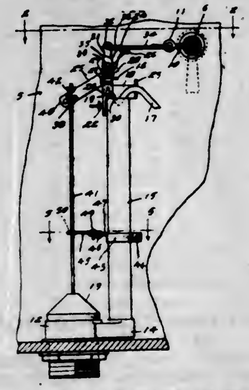
1. In a shoe press, cooperable pressure members, and means for moving one of said members with respect to the other member and comprising driving mechanism and an element pivoted to said mechanism and to said movable member, there being means to adjustably lock said movable member to said element at desired angles to said other member.

2,482,969
AMPOULE SEALING AND DISCHARGING DEVICE
Harold Rayford Fry, Jr., Troy, N. Y., assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
Application November 23, 1943, Serial No. 511,389
15 Claims. (Cl. 49—7)

1. An ampule sealing and discharging device which comprises, in combination, means for sealing a succession of ampules one by one, means in receiving relation to the first means for collecting and cooling a substantial number of sealed ampules and for subsequently discharging the same and a transfer mechanism mounted on said first means for propelling each ampule, subsequent to the sealing thereof, from said first means to said second means.



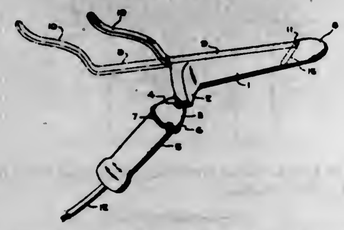
2,482,970
FLUSH VALVE MECHANISM
Charles S. Garratt, Jr., Suffolk, Va.
Application July 31, 1946, Serial No. 687,294
1 Claim. (Cl. 4—67)



In a flush tank mechanism, an overflow tube, a bracket detachably mounted across the upper end of the overflow tube and having side walls connected by an end wall, standards rising from the side walls adjacent the end wall, a rocker arm pivotally mounted between said standards and projecting outwardly from the bracket and having its outer end portion adapted for connection with the rod of a flush valve, the inner end portion of the rocker arm being disposed at an upward incline and formed with a cam surface along its upper edge, a lever pivoted outwardly of one side wall of said bracket and extending upwardly against the standard carried by the said side wall and formed with an eye at its upper end, a hook having its inner end mounted through the eye of said lever and having a bill at its outer end for connection with a trip shaft, a pin extending laterally from said lever and across upper ends of said standards in position for engaging the cam surface of the ends of said standards in position for engaging the cam surface of the upwardly inclined inner end portion of the rocker arm and swinging the same downwardly and tilting the rocker arm in a direction to raise the flush valve

when the lever is swung out of its normally upright position, lugs rising from upper ends of the standards in position for engagement by the pin when the lever is swung upwardly to its upright position to limit such upward movement, and a spring urging the rocker arm towards its normal position.

2,482,971
SELF-ILLUMINATED TRANSPARENT PROCTOSCOPE
Kelly Kendall Geisen, Los Angeles, Calif.
Application July 11, 1947, Serial No. 760,466
16 Claims. (Cl. 128—6)



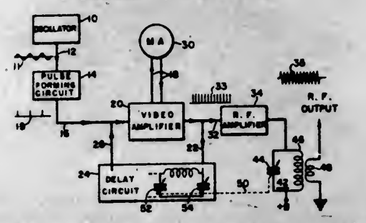
1. A self-illuminated, transparent proctoscope, including a handle and selectively energizable, electric lamp means mounted in said handle and adapted for use in visually examining and treating rectal abnormalities, comprising: a hollow, virtually conical barrel of transparent, thermoplastic methyl methachylate resin; a slide of the same material slidably mounted in one side of said barrel and removable from the rear end thereof; a rounded head of the same material removably attached to the forward end of said barrel and having a sloping, rearward side closing the forward end of the hollow interior of the barrel; a base attached to the rearward end of said barrel and at an angle thereto and arranged to be selectively connected to said handle containing said lamp means to position the lamp means in proximity to the wall of the barrel and allow light from said lamp means to enter and be transmitted through the walls thereof for illuminating the rectal area in contact therewith.

2,482,972
ELECTRON TUBE TYPE PHONOGRAPH REPRODUCER
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 10, 1945, Serial No. 615,353
6 Claims. (Cl. 179—100.41)



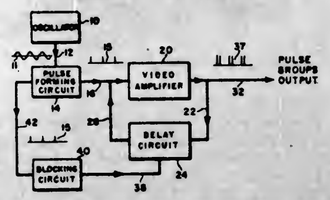
1. An envelope defining a substantially vacuous region and having a flexible wall portion, an electron emitter element situated within said envelope, a first electrode situated within said envelope and spaced from said emitter, a second electron permeable electrode situated between said emitter and said first electrode and supported from said flexible wall portion, and means drivingly engaging said flexible wall adapted to engage a grooved surface, said flexible wall having two linear corrugations parallel to said second electron permeable electrode.

2,482,973
FREQUENCY MULTIPLIER
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 30, 1946, Serial No. 665,957
9 Claims. (Cl. 250—36)



1. A frequency multiplying system comprising means generating a uniform train of energy pulses; means amplifying the output of said generating means; means feeding back energy from the output of said amplifying means to the input thereof, said feed-back means comprising means delaying said energy by an integral sub-multiple of the pulse interval of said train, an amplifying circuit connected to amplify the output of said amplifying means, said amplifying circuit having a tuned output circuit resonant at the pulse repetition rate of said amplifying means; and ganged means for simultaneously tuning said resonant output circuit and varying the delay of said delay means, whereby said resonant output circuit is maintained tuned to the pulse repetition rate of said amplifying means.

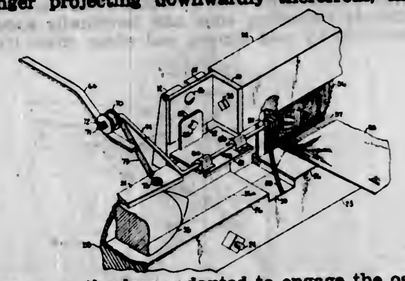
2,482,974
FREQUENCY MULTIPLIER HAVING AN OUTPUT OF PULSE GROUPS
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Original application April 30, 1946, Serial No. 665,957. Divided and this application July 3, 1947, Serial No. 758,960
4 Claims. (Cl. 250—27)



4. A frequency multiplying system comprising a source of energy pulses; means providing a translating path for the output of said source; means feeding back energy from a point in said translating path to a preceding point thereof, said feed-back means comprising means delaying said energy by an integral sub-multiple of the pulse repetition rate of the output of said source, and means rendering said feed-back means inoperative during a portion of each pulse interval of the output of said source.

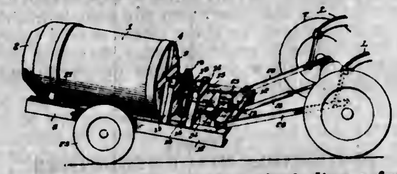
2,482,975
WEFT TENSION TAKE-UP FOR LOOMS
Hardy Bruce Gosnell, Slater, S. C.
Application December 15, 1947, Serial No. 791,788
6 Claims. (Cl. 139—194)

1. In a loom having a lay with a shuttle box disposed at each end of the lay and the lay having a reed cap and a reed associated therewith, and also having a race plate, the race plate and the top of the lay on its upper face having transverse grooves disposed adjacent the ends of the reed cap, an oscillatable member disposed adjacent each end of the reed cap and having a finger projecting downwardly therefrom, fixed



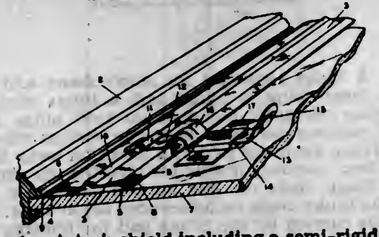
means on the loom adapted to engage the oscillatable member and swing its finger laterally to engage a filling cast across from one shuttle box to the other end to move the filling laterally to exert tension thereon after the filling has been extended from one shuttle box to the other and during the beat up operation.

2,482,976
PORTABLE CONCRETE MIXER
Fredie H. Harwood, Newport, Ark.
Application December 3, 1946, Serial No. 713,755
3 Claims. (Cl. 259—177)



1. A portable cement mixer including a frame, a single axle therefore at an approximate medial point, wheels for said axle, a rotatable mixing cylinder open at its rear end, a shaft projecting from the closed end of said cylinder, elevated bearings adjacent the front end of said frame for said shaft, rollers on said frame for engaging the rear portion of the rotatable mixing cylinder, a second shaft mounted in bearings beneath the frame, means for drivingly connecting said shafts, a slidable universal coupling adapted to connect the lower shaft with the power take-off of a tractor, and a pivotal draw bar connection at the front of the frame adapted to be connected to the power lift means of the tractor.

2,482,977
PAINTER'S MASKING SHIELD
Joseph V. Hendrick, Klamath Falls, Oreg.
Application July 24, 1947, Serial No. 763,250
2 Claims. (Cl. 91—65)

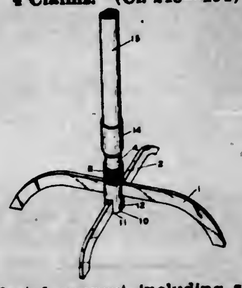


1. A painter's shield including a semi-rigid section having parallel side edges adapted to bear against the surface to be masked and formed with an upstanding holding bead intermediate said side edges and parallel therewith, a clip formed with a locking channel adapted to engage over and have sliding contact with said holding bead, and said clip extending laterally of the shield for engagement with and attachment to an adjacent portion of the surface being masked.

2,482,978
METHOD OF MAKING COATED STEEL WIRE
Antonio F. Ilacqua and John F. Occasione, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application August 20, 1945, Serial No. 611,701
2 Claims. (Cl. 148—12)

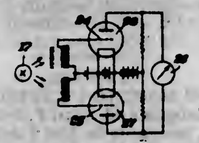
1. A method of making coated steel wire which has a tensile strength of at least 290,000 pounds per square inch, a ductility sufficient to permit the wire to be bent flat upon itself without cracking the wire nor its coating, and a corrosion resistance sufficient to withstand over 300 hours salt spray test, and is capable of being stitched through two layers of structural steel each of a thickness substantially equal to that of the wire, comprising rolling smooth surface billets of deoxidized basic steel that consists of 0.60 to 1.00% carbon, 0.20 to 1.20% maganese, the higher percentages of manganese corresponding with the lower percentages of carbon and vice versa, 0.15 to 0.30% silicon, a maximum of 0.035% sulphur, a maximum of 0.030% phosphorus and the balance iron and incidental impurities to form rod of 0.200 inch minimum diameter, heat treating the resulting rod by patenting by a metallic hardening process, cold drawing the heat treated rod through three drafts to effect a reduction of about 51%, heat treating the drawn rods by patenting by a double lead process, cold drawing the re-heat treated rod through several drafts to effect a further total reduction of about 86.5%, coating the resulting wire, and cold drawing the coated wire through one additional draft, the final wire product having a diameter between 0.045 and 0.065.

2,482,979
SUPPORT FOR PEDESTALS
Stig Isakson, Portland, Oreg., assignor of one-half to George W. Schumacher, Portland, Oreg.
Application June 11, 1946, Serial No. 675,913
4 Claims. (Cl. 248—194)



1. A pedestal support including superimposed legs, each radiating from a single hub, a holding sleeve overlying the hub of the uppermost leg, means for securing the holding sleeve and hubs together in vertical alignment, and a locking sleeve slidable on the holding sleeve and slotted at the lower end to snugly fit over the edges of the respective legs for securing the legs in operative positions.

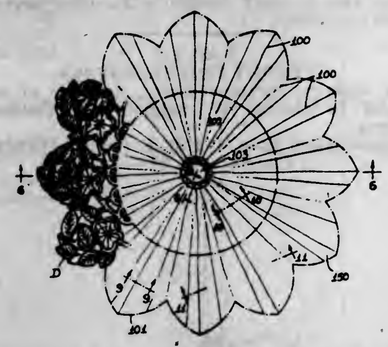
2,482,980
CONSTANT VOLTAGE SOURCE
Heinz E. Kallmann, New York, N. Y.
Application April 6, 1946, Serial No. 660,267
13 Claims. (Cl. 250—41.5)



1. An electrical arrangement comprising in combination a source of activating energy; two electrical elements, each being activated by said source of activating energy and having a logarithmic voltage characteristic so as to yield during activation by said source of activating energy an individual output voltage the voltage variations of which in case of intensity variations of said activating energy are in logarithmic proportion with said intensity variations; said electrical elements being connected in series with opposite polarity so that their combined output voltage at their output terminals is equal to the difference between said individual output voltages of said electrical elements; and an electrical load circuit having an impedance which is substantially higher than the impedance of said electrical elements during activation by said source of activating energy, said electrical load circuit being connected to said output terminals of said electrical elements.

2,482,981
DEEP-DRAWN RECESSED DECORATED PLEATED DOILY
Ellis Kamrass, New York, N. Y.
Application January 28, 1948, Serial No. 4,883
8 Claims. (Cl. 41—13)

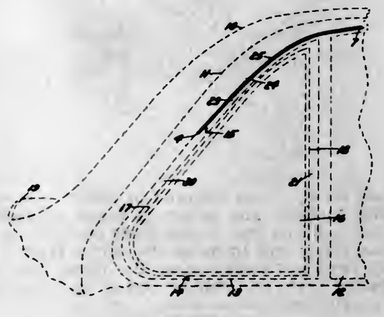
5. A recessed laminated deep drawn doily comprising a plurality of sheets of cellophane sealed



together by a thermoplastic adhesive coating on said sheets of cellophane, said doily being reinforced by folds extending radially over the entire area thereof.

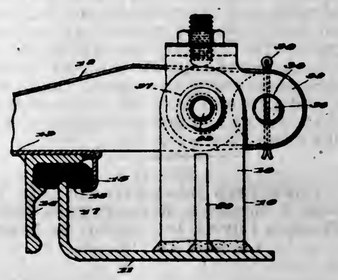
2,482,982
SAFETY STRIP
William H. Keler, Toledo, Ohio
Application September 18, 1947, Serial No. 774,790
1 Claim. (Cl. 296—44)

For a motor vehicle ventilator window having a vertical axis bearing, a frame mounting the bearing and forming an opening for the window, said opening having an inwardly concave top forward portion providing a seat, and packing for the window along the seat, the combination of a clear vision transparent plastic sheet safety strip, normally flat and flexible with a longitudinally extending edge, convex end edges, a strip-width-determining edge diverging from the longitudinally extending edge and terminally spaced therefrom by said convex end edges offset from



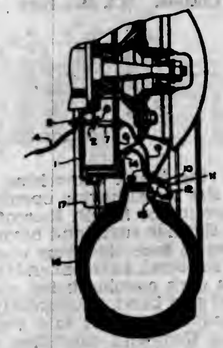
the longitudinally extending edge, said flat strip being transversely stiffened by flexing and thrusting the longitudinally extending edge between the packing and the opening concave top portion clear of obstructing out-view from the vehicle interior, the convex edges, in their offset extent beyond the longitudinally extending edge, directing storm moisture downflow and upflow outwardly away from entering the opening.

2,482,983
ADJUSTABLE HINGE STRUCTURE
Francis M. Lambert, Narberth, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 7, 1945, Serial No. 614,841
12 Claims. (Cl. 114—117)



1. A hinge structure for ship's doors and the like, comprising, a hinge pad, a hinge blade, a member pivotally mounted on said hinge pad, said member having at least one portion extending from the hinge pad in a direction away from the door opening, means for pivoting one end of the hinge blade on said portion, the other end of the hinge blade being secured to the door, and means carried by the hinge pad for limiting the amount of movement of the hinge blade with respect to said member.

2,482,984
TIRE PRESSURE ALARM SWITCH
Edward C. Lana and Garnet L. Lana, Los Angeles, Calif.
Application March 17, 1947, Serial No. 735,190
6 Claims. (Cl. 200—58)



1. A pressure-responsive circuit closer for a vehicle tire pressure signal means, attached to a valve stem of a tire on a wheel, comprising: a body portion of dielectric material, including a relatively shallow, cylindrical recess in one end, an internally threaded bore at the other end, and a restricted passageway connecting the bore and the recess; an expansible, hollow member provided with a flanged neck, said member being positioned in the recess with its neck extending through the passageway; a C-shaped, resilient, metallic element between the walls of the recess and the hollow member; means for holding one end of the element in fixed position, said means including an electric terminal; and an adjustably positionable terminal member arranged to contact the free end of the element when the pressure in the expansible member reaches a predetermined minimum.

2,482,985
APPARATUS FOR SCRAPING THE WALLS OF WELL BORES
John Francis Lockwood, Shreveport, La.
Application February 27, 1948, Serial No. 11,396
5 Claims. (Cl. 166—18)

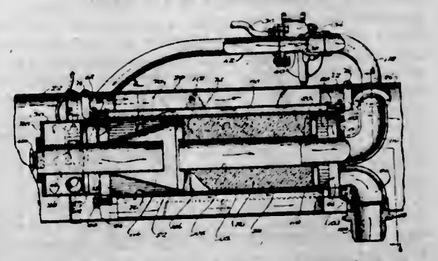


1. A scraping device for well bores comprising casing for the well bore, a scratcher means including foldable scratcher elements on said casing, a protective sleeve means on said casing, and a casing centering unit on said casing, one of said means being secured to the casing and the other of said means being secured to one end of said casing centering unit, said casing centering unit being adapted to engage the walls of the well bore, a second sleeve means on said casing connected to the other end of said casing centering unit, a Z-slot in said second sleeve means, and a pin secured to said casing and positioned in said slot, said protective sleeve having an inner diameter sufficiently larger than the outer diameter of said casing to receive said scratcher means therein with said scratcher elements in folded position, whereby said scratcher means may be positioned in said protective sleeve means and rendered inoperative until a desired position in the well bore is reached, and then rendered operative by manipulating the casing to move the said pin through said Z-slot to free said scratcher means from said protective sleeve means.

2,482,986
MODELING CLAY
Mayme R. McClatchey and Ethel M. Goodale, Helena, Mont.
No Drawing. Application September 4, 1947, Serial No. 772,210
2 Claims. (Cl. 106—214)

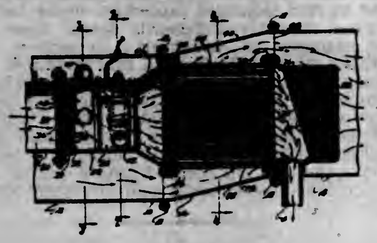
1. Modeling clay consisting essentially of approximately two parts of cornstarch, three parts of flour salt and three parts of water, all by volume.

2,482,987
INTERNAL-COMBUSTION HEATER WITH AIR-COOLED MUFFLER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 5, 1943, Serial No. 489,766
26 Claims. (Cl. 126—116)



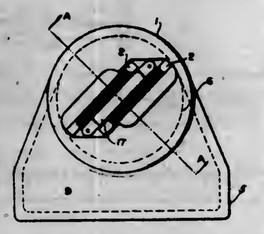
1. A heater comprising a casing adapted to be connected with a source of air supply, means forming a combustion chamber in said casing, a tubular heat exchanger in said casing connected to said combustion chamber and receiving products of combustion therefrom, a muffler located in said heat exchanger, said muffler including a muffling chamber and means acoustically coupling said chamber to said heat exchanger and combustion chamber for damping out incipient sound and pressure waves, and means for circulating part of the air supplied to said casing through said muffler to prevent any part of said muffler from becoming overheated.

2,482,988
INTERNAL-COMBUSTION HEATER FOR HEATING AIR
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 27, 1943, Serial No. 503,924
5 Claims. (Cl. 126—116)



1. A heater of the class described, comprising a burner having a tubular wall, a heat exchanger connected to one end of said wall, means for supplying ventilating air to said heat exchanger, means for supplying a combustible mixture to said burner, said burner serving to furnish hot products of combustion to said heat exchanger, means forming an exhaust chamber communicating with said heat exchanger, said exhaust chamber having an inclined wall spaced from said heat exchanger, and a muffler communicating with said exhaust chamber through perforations in said inclined wall, said perforations forming an acoustic coupling between said muffler and said exhaust chamber.

2,482,989
DEVICE FOR MOISTENING TAPE AND OTHER ARTICLES
Norman Duncan Mussett, Croydon, England
Application August 16, 1946, Serial No. 691,000
In Great Britain August 17, 1945
4 Claims. (Cl. 91—54.4)



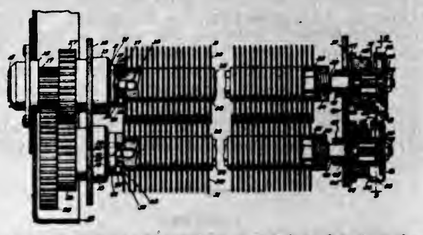
1. A device for moistening tape, strip and other articles and objects, comprising a reservoir containing moistening liquid, said reservoir having a top cover with a slot therein, and an applicator arranged in said reservoir, said applicator comprising a plurality of units each composed of a set of plates secured together face to face in closely spaced relation to form capillary channels between them, and a frame for supporting said units side by side in an upright position, said frame being received in said slot in said top cover of said reservoir with the lower ends of said units immersed in the moistening liquid, so that liquid rises by capillary attraction in said channels to provide a continuous supply for moistening objects drawn across the top of said units.

2,482,990
PISTON RING BLANK
Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application February 9, 1946, Serial No. 7,093
4 Claims. (Cl. 29—190)



1. A piston ring blank comprising, an elongated band of flat metal having openings spaced from each other in the length thereof and centrally between the side edges and having arcuate slots spaced one at each side from each opening transversely of the band, adjacent ends of the slots associated with each opening being spaced from each other, and said band, substantially midway between the ends of each of said slots, having slots connecting therewith extending outwardly to the side edges of said band.

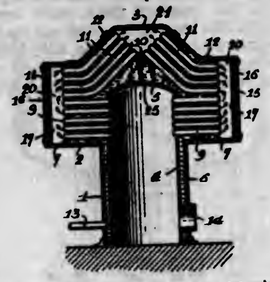
2,482,991
MEAT TENDERING MACHINE
Hendrik Stukart, La Porte, Ind., assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application November 25, 1943, Serial No. 511,657
4 Claims. (Cl. 17—26)



1. In a meat tendering machine having two knife blade assemblies and embodying means for removably securing said knife blade assemblies for independent removal and installation including an adjustable and demountable support for one of said knife blade assemblies, a demountable support for the other knife blade assembly locking lug means carried by each of said demountable supports, locking lip means carried by the machine and adapted to co-operate with the locking lug means carried by one of said supports, whereby to maintain one of said demountable supports in different adjusted positions, and locking lip means carried by the machine and adapted to co-operate with the locking lug means carried by the other one of said supports.

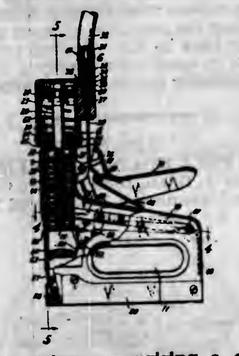
2,482,992
HOT-WATER BOILER
Delphis Vandal, Halifax, Nova Scotia, Canada
Application March 5, 1947, Serial No. 732,569
2 Claims. (Cl. 122—187)

2. A boiler comprising a vertical shell section and a horizontal shell section mounted thereon and in communication therewith, said horizontal section being formed with a dome having an upwardly converging lateral wall, an inner wall section mounted within said vertical section and extending into said horizontal section and spaced from said vertical section to form a water space, supporting plates at the ends of said horizontal section, tubes extending horizontally from said inner section to said plates, a V-shaped supporting member in said dome, another series of tubes



extending horizontally from said plates to the sides of said supporting member, the latter tubes being bent upwardly in parallel relation to the lateral wall of said dome and extending into said supporting member, and a flue connected to said dome at said supporting member.

2,482,993
STAPLER
Gilbert D. Walker, Detroit, Mich.
Application May 26, 1947, Serial No. 750,526
5 Claims. (Cl. 1—49)



1. A staple driver comprising a casing, said casing having a compartment for receiving a plurality of staples, a staple driver, a spring for actuating said driver, pneumatically actuated means to compress the spring, trigger means to support the spring while it is being compressed, link and lever mechanism operatively associated with said spring and located in the path of said trigger to trip the trigger when the spring has been compressed to cause said spring to thrust the driver against the staple to be driven, in combination with valve means to control said pneumatically actuated means, and means pivoted to said casing to control the valve.

2,482,994
COMBINED BRASSIÈRE AND SLIP CONSTRUCTION
Viola Wiley, Los Angeles, Calif.
Application August 30, 1947, Serial No. 771,530
1 Claim. (Cl. 2—73)

In undergarment construction: a pair of unconnected shoulder straps, each of a length adapted to traverse the shoulders of the wearer and extend below the front and rear top edge margins of a brassière and slip, each of said straps being provided with a plurality of longitudinally spaced eyelets near each end of a strap; a strapless brassière provided with a pair of horizontally spaced hook means adjacent the top edge in the



front and rear portions of the brassière; and a strapless slip provided with a pair of hook means adjacent the top edge margin in both front and rear portions thereof, said hook means being engageable with desired eyelets on said straps to position said brassière and slip on the body of the wearer and with respect to each other.

2,482,995
TENSIONING TOOLHOLDER
Frank C. Willis, Redwood City, Calif.
Application May 29, 1944, Serial No. 537,770
1 Claim. (Cl. 64—29)

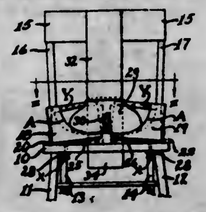


In a tool holder of the class described, the combination comprising a body casing, tool securing means at the tip of said body casing, an inner casing rotatably and slidably disposed within said body casing, driving means detachably engaging said inner casing and extending without said inner casing, a first releasable clutch head rigidly mounted on said inner casing, a clutch element rotatably and slidably mounted on said inner casing, a second releasable clutch head rigidly mounted on said clutch element, spring means under compression engaging said body casing and normally urging said second clutch head into engagement with said first clutch head, a key formed as a part of said clutch element engaged in a keyway in said body casing to secure said clutch element in slidable and non-rotatable relationship with said body casing.

2,482,996
FORM AND POSTURE CORRECTIVE CHAIR
Robert E. Wisby, Abilene, Kans.
Application May 27, 1946, Serial No. 672,505
3 Claims. (Cl. 155—1)

2. In a form and posture corrective chair; said chair having a frame structure and seat, said seat having upwardly turned sides and rear portions, said seat being divided at the central portion and from front to back, to provide two opposing seat sections, said seat sections being rockably mount-

ed on opposite sides of the frame structure of the chair, and means for yieldably elevating the adjacent central edge portions of the two seat sections, said frame structure having a base seat element included therein, the rockable seat mountings being hinges, one leaf of each hinge being rigidly attached to its respective seat section, the other leaf of each of said hinges resting on the



base seat element of the chair and being rigidly attached thereto, said sections being adjustable toward and away from each other, the adjustment of said seat sections comprising a bolt that is passed through the second leaf of each hinge and a transversely positioned slot in the base seat element for and through which passes each bolt, and threaded means on each bolt for rigidly clamping and holding the second said leaf of each hinge in transverse adjusted positions on the said base seat element.

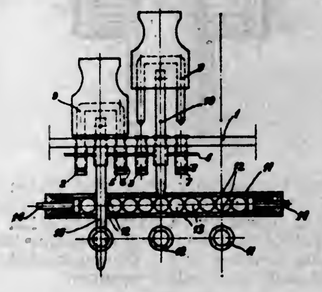
2,482,997
CONTACT DEVICE FOR ROTARY SWITCHES
Sven Gustav Andersson, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application February 13, 1947, Serial No. 728,306
In Sweden January 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 12, 1965
1 Claim. (Cl. 200—166)



Rotary switch comprising a plurality of stationary laminated contacts each including a plurality of facially abutting plates having slots extending inwardly from one end of the contact and defining a pair of contact legs, said contacts being arranged in at least two parallel rows, a bodily movable contact roller provided with a number of contact flanges corresponding to the number of parallel rows, each flange successively entering between the legs of said contacts of one row during movement of the contact roller bodily along the rows, each one of said stationary contacts having its slot disposed in the direction of the length of the row in order to allow the corresponding disk to engage with the contact, and means for supporting said contact roller for movement along the rows.

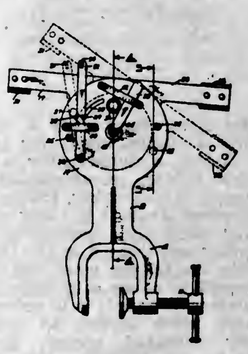
2,482,998
SWITCHING DEVICE FOR DISTRIBUTION OF PROGRAMS
Sven Gustav Andersson, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application March 25, 1947, Serial No. 737,171
In Sweden April 1, 1946
2 Claims. (Cl. 172—328)

1. A switching device comprising a contact field including a first set of parallel conductors and a second set of parallel conductors crossing the first set of conductors, a short circuiting plug, a two-point pin carried by said plug for selectively connecting the conductors of the first set with the conductors of the second set, and means to prevent the use of more than one connecting pin at a time in the contact field, said means including locking devices and a rod carried by said plug engageable with said devices, said locking devices consisting of a first set of tubes of conducting material parallel to and insulated from each



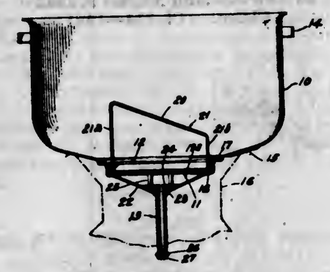
other, and a second set of tubes of conducting material parallel to and insulated from each other and arranged at right angles to the first set of locking tubes and insulated therefrom, all of said locking tubes being provided with aligning apertures for the insertion of a rod and axially displaceable members substantially filling said tubes for preventing the insertion of more than one rod at the same time in the aligning apertures of a certain tube in each set whereby a circuit available for indicating purposes is afforded over said devices.

2,482,999
FISH POLE HOLDER AND LIFTER
Louis A. Bean, Indian Hills, Colo.
Application November 5, 1947, Serial No. 784,213
4 Claims. (Cl. 43—15)



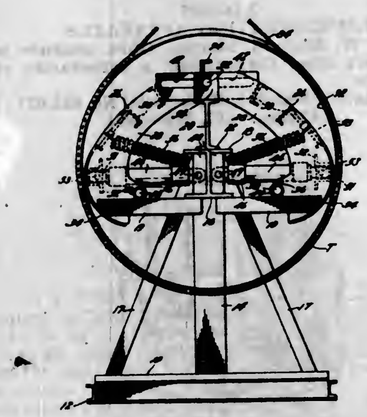
1. A fishing rod holder comprising: a fixed support; a rotary plate supported from said fixed support and having an integral concentric cylindrical drum formed on one of its faces and separating said plate from said support; spring means fixed at one extremity to said support, and at the other extremity to said plate and extending about said drum to urge the latter to rotate; a trigger mechanism for preventing rotation; means for supporting a fishing rod from said rotary plate; and means for actuating said trigger mechanism.

2,483,000
MILK STRAINER
David O. Brant, Beverly Hills, Calif.
Application July 16, 1946, Serial No. 683,917
4 Claims. (Cl. 210—159)



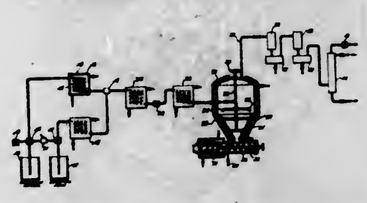
1. In a strainer, a rigid bowl having a bottom part tapering to a reduced opening, a resilient tube detachable connected with the bowl, said tube extending through and depending from the opening in the bottom of the bowl, an annular flange on the upper end of said tube seated on the tapered bottom of the bowl, a filter element mounted in a plane transversely of the tube in the bottom part of the bowl and spaced above the tube flange, and a plurality of fingers rising from said tube flange so as to support the central portion of said filter element.

2,483,001
METHOD OF MAKING ARCH-TYPE CONDUITS
Firman L. Carswell and Otto W. Schmidt, Kansas City, Mo.
Application March 4, 1946, Serial No. 651,805
8 Claims. (Cl. 153—10)



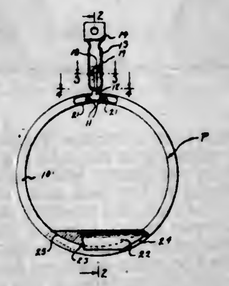
7. The method of making an arch type tube from a cylindrical tube comprising applying an outward force against the opposite inner walls of said tube along generating lines of said tube lying in a single plane parallel to and spaced apart from the axis of said tube, to deform said tube to present a relatively flat section along one side thereof.

2,483,002
PROCESS OF MAKING SOAP
Benjamin Clayton, San Marino, Calif., assignor to Benjamin Clayton, doing business as Refining, Unincorporated
Application December 11, 1946, Serial No. 715,564
4 Claims. (Cl. 260—417)



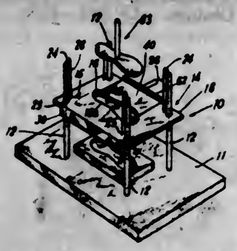
1. A high temperature process of making soap and recovering glycerine, which comprises, reacting a fatty material consisting essentially of glycerides of fatty acids with a mixture of caustic and non-caustic alkali in an amount at least sufficient to completely react with said fatty material, said mixture being essentially caustic alkali with a minor amount of non-caustic alkali, the amount of caustic alkali being substantially less than that necessary to completely react with said fatty material and the amount of non-caustic alkali being between approximately 3% and 10% of the total alkali and sufficient to minimize destruction of glycerine at the temperature of reaction, completing said reaction at a temperature at least as high as 450° F., and separating glycerine in vapor form under vacuum conditions from the reaction mass.

2,483,003
BIRD CAGE SWING
James J. Fischer, Milwaukee, Wis.
Application December 8, 1945, Serial No. 633,611
2 Claims. (Cl. 119—25)



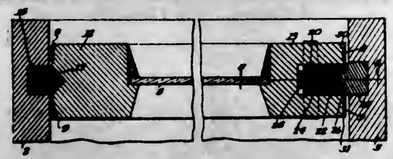
1. A perch for bird cages comprising a body of a substantially ring shape, a bracket carried by the upper end of the ring for connecting the same to a support, and a saddle block constituting a bird grip secured to the lower end of the ring and filling in the lower portion of the ring and lying substantially in a horizontal plane, said saddle block being of a greater thickness than the thickness of the material from which the ring is made, and having its lower face provided with an arcuate groove for snugly receiving the inner face of the ring, the wall of the groove extending to the top face of the block at the terminals thereof, whereby said top face will closely engage the inner face of the ring.

2,483,004
PREMOLDING AND LOADING APPARATUS
Jon Gregg, New Hope, Pa.
Application August 30, 1945, Serial No. 613,540
4 Claims. (Cl. 18—34)



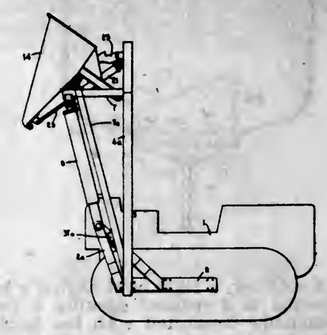
4. Apparatus of the character described comprising a base, a final mold on the base, a premolder, means to support the premolder above the final mold for sliding movement toward and away from said final mold, said premolder being provided with means to receive an article to be premolded, means on the premolder to apply side pressure to the article to be premolded, a bottom plate slidably mounted on said premolder to support the article within the premolder, and said bottom plate being adapted to be moved to a position for uncovering the article within the premolder to permit said article to be transferred to the final mold and means for transferring the premolded article from the premolder to the final mold.

2,483,005
RECIPROCATING WINDOW
Horace W. Hacker, La Grange, Ill.
Application October 24, 1944, Serial No. 560,134
5 Claims. (Cl. 20—54)



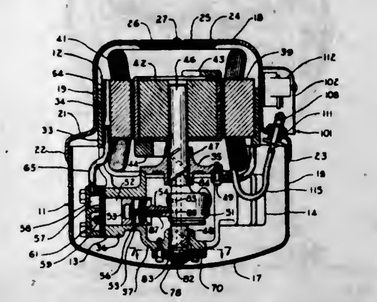
1. In combination, a window frame, a window sash slidably mounted in the frame, a slide member mounted in the frame and a pressure shoe member mounted in the sash and extending the full length of the sash, the pressure shoe member having a V-shaped groove and the slide member having a V-shaped projection entering the groove and of exactly the same angle as the groove so as to provide two flat surfaces of contact angular to each other between each side of the sash and the frame, said projection and groove extending lengthwise of the frame, and spring means between the sash and the pressure shoe member carried thereby for constantly urging it in pressure engagement with the slide member carried by the frame, said cooperating engaging flat surfaces of contact betwen the V-shaped projection and the corresponding groove constituting means for holding the sash against movement transversely of the frame, the width of the sash being greater than the minimum width of the frame opening regardless of the position of the pressure shoe member to prevent removal of the sash transversely of the frame regardless of the position of the pressure shoe member in the sash.

2,483,006
MACHINE FOR EARTH-WORKING, LOG-LIFTING, STOCK-PILING, OR THE LIKE
Charles William Fielden Hamilton, Fairlie, New Zealand
Application June 30, 1944, Serial No. 543,014
In New Zealand August 9, 1943
1 Claim. (Cl. 214—140)



In combination, a tractor, a yoke pivotally secured to one end of the tractor and passing around the other end thereof and movable to a vertical discharge position, a bucket, arms carried by said bucket and pivotally secured to said yoke in such manner that in the loading position of the bucket the arms and yoke are in substantially parallel relation whereas when said yoke is raised to vertical discharge position the arms swing out from the yoke by gravity and displace the bucket to a position to discharge its contents in a direction to clear the tractor, means to raise and lower said yoke, means to lock the bucket in operative position with respect to the yoke and said raising and lowering means including a hydraulic ram having a part engageable with said lock means to release the latter.

2,483,007
REFRIGERATING APPARATUS
William W. Higham, Marion, Ohio, assignor to Newport Steel Corporation, a corporation of Indiana
Application March 5, 1946, Serial No. 652,027
3 Claims. (Cl. 230—206)

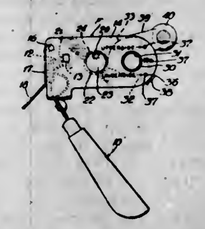


1. In a sealed compressor for refrigerating mechanism; an exterior sealed casing, the upper part of the casing having a cross dimension less than the lower part of the casing and the two parts being joined substantially at a flared shoulder; a main casting in the casing having a supporting portion fitted in the upper part of the casing; a compressor cylinder formed integrally with the lower end of the main casting; a vertical shaft journalled in the casting; a motor for driving the shaft having a body fixedly located within the supporting portion of the casting; an outlet for compressed refrigerant extending through and sealed into the shoulder of said casing; an inlet for refrigerant opening into the lower part of the casing; an inlet passage for the cylinder defined by a clearance between the motor body and the supporting part of the casting; and an inlet tube extending from the clearance to the cylinder, the cylinder having an inlet port opening upwardly adjacent the top surface thereof and the inlet tube having a relatively loose fit in said port for the seepage of lubricant from the inside of the casing into the cylinder.

2,483,008
PROOFING PROTEINACEOUS FIBERS AGAINST BIOLOGICAL ATTACK
Eric Berkeley Higgins, Welwyn, England, assignor to Tewin Industries, Inc., New York, N. Y.
No Drawing. Application December 21, 1944, Serial No. 569,279. In Great Britain January 29, 1944
9 Claims. (Cl. 8—128)

1. Process for the treatment of a proteinaceous textile fiber to render same proofed against biological attack by the combination of pentachlorphenol with a protein at the surface of the fiber, which comprises treating the said textile fiber with an aqueous liquid containing dispersed pentachlorphenol, a protective colloid and an acid substance and whilst maintaining the pH of the mass below 7 evaporating to dryness the resulting reaction product to render the same irreversibly stable.

2,483,009
RAZOR BLADE SHARPENER
Hyland L. Hodgson, Scarsdale, N. Y.
Application July 2, 1946, Serial No. 681,075
16 Claims. (Cl. 51—59)



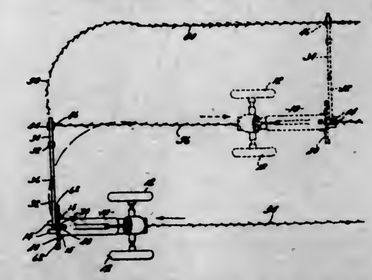
1. In a device of the class described, a frame adapted for attachment to a razor containing a blade to be sharpened, a sharpener, mounting means on which said sharpener is movable relatively to said frame, means mounting said mounting means for adjustment movement in a fixed path relatively to said frame whereby said mounting means are maintained first in one position on said frame and at one point in the said fixed path and then in a second position on said frame displaced from said first position and at another point in the said fixed path, and a portion of said sharpener adapted to sharpen one side of the edge of the blade when the mounting means are in said one position and to sharpen the other side of the edge of said blade when the mounting means are in the second position.

2,483,010
TIRE CASING AND METHOD OF REPAIRING SAME
James M. Hooper, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 29, 1946, Serial No. 693,746
5 Claims. (Cl. 152—367)



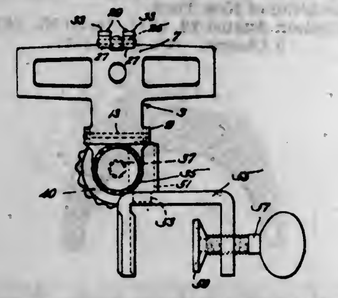
1. A tire article having a portion of its tread material removed to provide a cavity having walls flared outwardly toward its tread surface, and a body of tread material vulcanized in said cavity, said body having a concave surface at the tread face of the article and feathered margins overlying the flared walls of the cavity and extending substantially to the tread surface of the article the concavity of said body providing relief from road pressure tending to spread said body, and said feathered margins providing gradually decreased resistance to stretch of said body and consequent increased resistance to separation of said body from walls of the tire article at the margins of said body.

2,483,011
ROW MARKING DEVICE FOR TRACTORS
Murdock R. Hudson, Kansas City, Kans.
Application September 24, 1945, Serial No. 618,313
2 Claims. (Cl. 97—230)



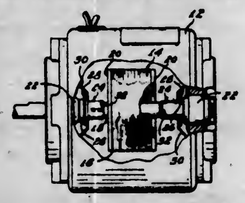
1. The combination with a farm tractor, having a frame and a front steerable wheel disposed at the front of the tractor and on the medial line thereof, of a marker arm pivoted at one end on said frame substantially on said medial line adjacent and above said wheel for limited horizontal movement, a depending ground engaging marker member carried by the other end of said marker arm, and stops carried by said frame on opposite sides of said medial line to limit the rearward movement of said arm to dispose the marker arm in either of two operative positions on opposite sides of said tractor, whereby when said tractor in reversing its direction of travel is turned toward the side on which said marker arm is then disposed the marker arm will be automatically moved from an operative position on one side of the tractor to the operative position on the other side of said tractor.

2,483,012
FISHING ROD HOLDER
Frederick Harrison Keen, Charlestown, N. H.
Application November 22, 1945, Serial No. 630,268
2 Claims. (Cl. 248—42)



1. A fishing rod holder having in combination opposed rod-clamping jaws pivotally connected below the rod, a cam linked to one jaw and swinging over the rod to engage the other jaw and draw both jaws together to clamp the rod between them, one of such jaws having a serrated extension, a bracket for attachment to a portion of a boat or other support, a post fixed on such bracket, a clamp surrounding such post, a serration upon one surface of such clamp, and screw means pressing the serrated extension on the jaw against such surface of the clamp and closing the clamp upon the post.

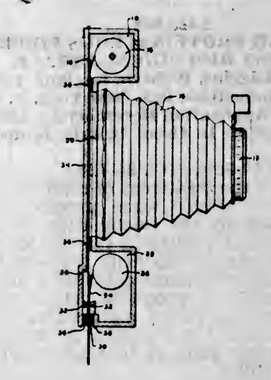
2,483,013
COMBINATION SLINGER SPACER
Robert W. Kopprasch, St. Albans, N. Y., assignor to Eastern Air Devices, Inc., Brooklyn, N. Y., a corporation of New York
Application November 4, 1947, Serial No. 783,951
12 Claims. (Cl. 171—206)



1. A rotor comprising a shaft of uniform diameter, a pair of spaced small grooves in said shaft, bearings for said shaft located a substantial distance from said grooves, and generally tubular spacers disposed around the shaft between the grooves and the bearings to fill the space therebetween, said grooves being accurately spaced from one another along the shaft, and one end of each spacer being received and held against axial movement by one of said grooves.

12. A rotor for use in an electric motor, said rotor comprising a shaft, a stack of laminations on said shaft, grooves in said shaft outside said laminations, bearings for said shaft outside said grooves, and spacers disposed between the grooves and the bearings to fill the space therebetween, said grooves being accurately spaced from one another along the shaft independently of the axial thickness of the stack of laminations, said spacers being made of relatively resilient sheet metal and including a generally cylindrical hub portion extending axially of the shaft, said hub portion being longitudinally slit with a plurality of slits to make the same resiliently expansible, the inner end of said hub portion being spun inwardly to provide a part which is accurately received by the groove, and the outer ends of said spacers being outwardly flanged to trap oil moving inwardly along the shaft from the bearing and to throw the same outwardly, thereby acting as oil slingers.

2,483,014
SELF-DEVELOPING CAMERA APPARATUS
Edwin H. Land, Cambridge, Murry N. Fairbank, Belmont, and David S. Grey, Weston, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 8, 1947, Serial No. 790,964
8 Claims. (Cl. 95—13)



1. A photographic apparatus comprising means for positioning an image area of a photosensitive layer in position to be exposed to actinic light modified by a subject image and for releasably holding a second layer of material, said means so positioning said layers with respect to each other that said layers can be drawn therefrom in face-to-face relation, two substantially parallel rigid members spaced from each other a predetermined distance, said parallel members being so positioned with respect to said means that said two layers can be drawn therebetween in face-to-face relation, the space between said parallel members comprising a pressure-generating throat whereby a hydraulic pressure can be generated in a liquid located between said layers to spread said liquid between the interface surfaces of said layers as they are drawn between said members, and means for maintaining said members spaced, in their operative position, by a distance greater than the combined thickness of the two layers between which said liquid is spread, said last-named means applying a sufficient holding force to said parallel members to keep the same from moving apart under the influence of the hydraulic pressure generated during the spreading.

2,483,015
DETACHABLE LINING FOR COATS
Earle E. Levy, Pittsford, N. Y., assignor to Levy Bros. & Adler Rochester, Inc., Rochester, N. Y., a corporation of New York
Application February 6, 1946, Serial No. 645,733
2 Claims. (Cl. 2—97)

2. A detachable lining for a coat, provided with means for detachably associating the same with said coat and comprising a body portion having front portions and a back portion connected by seams extending to the armholes of said coat lining, sleeves having front and back sections connected by seams extending to the armholes, said body portions and sleeves each having an outer fabric ply and at least one inner lining ply of insulating material affording a lining of thick and warmly insulated construction, said body portions and sleeves and lining plies being secured together by armhole seams and having the under-arm portions thereof and the included portions of said seams cut away over a substantially diamond-shaped area extending at its points for substantial distances in line with the



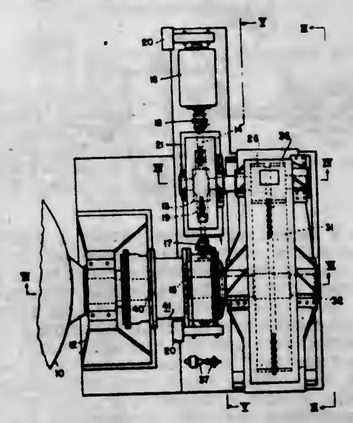
seams between said body portions and the sleeve seams and said armhole seams, and an insert composed of separate inner and outer plies of thin, flexible, imperforate material, the inner of said insert plies having its edges stitched to the edges of the lining plies of said body portions and sleeve sections and the outer of said insert plies having its edges stitched to the edges of the fabric plies of said body portions and sleeve sections at said cut away portions, respectively, to replace said cut away portions and the included portions of said seams and reduce the thickness and bulk of material at said under-arm portions.

2,483,016
SHOE WITH BELLOWS POCKET UPPER
Joseph A. Lussier, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 25, 1946, Serial No. 679,176
3 Claims. (Cl. 36—9)



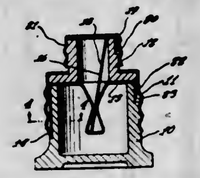
1. A low shoe comprising a flat sole portion joined to an instep-height upper portion of substantially inelastic textile fabric comprising a vamp, tongue and quarters, said shoe having at each side thereof in the normal region of the juncture of the vamp, tongue and quarters a laterally expandable bellows pocket extending generally normal to the sole portion vertically throughout the extent of the upper portion in a plane generally parallel to the longitudinal axis of the shoe, each said pocket lying in a double fold resembling a flattened Z, the inner wall of each pocket being a backwardly directed extension of the vamp and tongue and the outer wall being a forwardly directed extension of the quarters, said pockets being positioned at the sides of the tongue so that forwardly exerted pressure on the tongue and vamp is transmitted to the pocket in the plane of the pocket.

2,483,017
CONVERTER TILTING MECHANISM
Harry L. McFeaters, New Castle, Pa., assignor to Pennsylvania Engineering Corporation, a corporation of Pennsylvania
Application March 18, 1946, Serial No. 655,320
4 Claims. (Cl. 266—36)



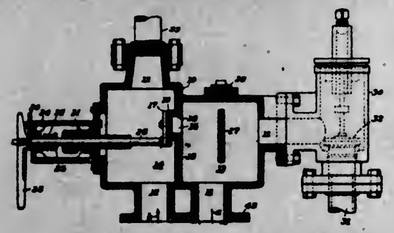
1. The combination with a Bessemer converter having trunnions and being mounted for tilting movement about the common axis thereof, of a converter tilting mechanism comprising a herringbone gear so arranged that the axis of its shaft is in alignment with such common axis, a shaft having as a unitary part thereof a herringbone pinion which meshes with such gear, a worm wheel mounted on an extension of the shaft of such pinion, a worm meshing with such worm wheel, two axially aligned electric motors arranged to rotate such worm in either direction, and a self aligning coupling connecting the shaft of such herringbone gear to one of the converter trunnions.

2,483,018
RENEWAL ELECTRIC FUSE PLUG
Evelyn Meltzer, Brooklyn, N. Y.
Application January 8, 1948, Serial No. 1,169
2 Claims. (Cl. 200—130)



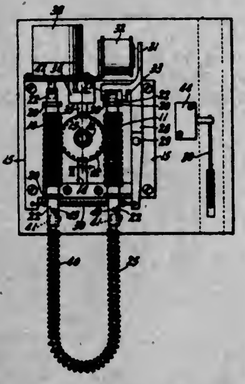
2. A fuse plug of the class described, requiring no use of tools for the removal or for the replacement of the fuse element, comprising a body made up of two sections and having an opening in each section, said sections arranged to retain securely in position a wire terminal extended across the openings, a wire terminal having a portion thereof bent hairpin like and adapted to receive and hold securely one end of a fuse element, a removable terminal engaging with the opposite end of the fuse element and adapted to have engagement with a fuse receptacle contact, said removable terminal comprising a threaded cap which may be removed by hand.

2,483,019
PRIMER FOR PUMPS AND THE LIKE
Daniel Murphy, New Castle, Pa.
Application May 18, 1945, Serial No. 594,546
9 Claims. (Cl. 103—113)



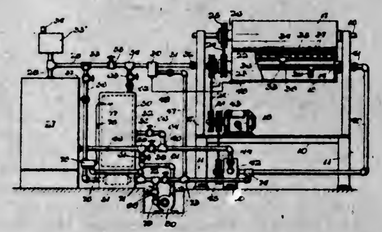
1. In a centrifugal pump having a pumping chamber with a rotary pumping member therein, an inlet passageway including a check valve at a point above said chamber, an outlet passageway leading from said chamber, a partition between said passageways, said partition including a non-clog priming port opening into said outlet passageway from said inlet passageway at a point between said check valve and said pumping chamber, a shutter organized with said port, and means extending inwardly through the wall of said outlet passageway for securing said shutter in various flow-controlling positions with respect to said port, whereby the output of the pump operating at normal speed may be regulated.

2,483,020
IMPULSE-CONTROLLED TIMER FOR ENERGIZING DEVICES FOR PRESELECTED PERIODS
Melvin E. Nelson, Burbank, Calif., assignor to Mel M. Burns
Application December 20, 1946, Serial No. 717,454
5 Claims. (Cl. 185—40)



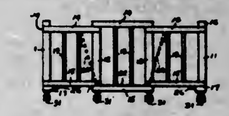
1. A device of the type described comprising: a differential mechanism including a driven member having a normal position of rest and two separate driving members therefor, each driving member being capable of driving said driven member independently of the other member; normally wound spring means in driving relation with one of said driving members for driving the latter in direction to move said driven member away from said normal position; control means for permitting controlled movement of said one driving member by said spring means; motor means for driving said other driving member in direction to move said driven member back to its normal position; means actuated by movement of said driven member out of normal position for causing said motor means to drive said other driving member and actuated by movement of said driven member into normal position for causing said motor means to cease driving said other driving member and means coupling said spring means to said other driving member for rewinding the spring means during return movement of said driven member by said motor means.

2,483,021
ROLL HEATING AND COOLING
Orion Ottis Oaks, Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y., a corporation of Delaware
Application December 9, 1947, Serial No. 790,488
2 Claims. (Cl. 257—3)



1. A system for internally heating a hollow roll using an organic silicate as the heating medium and including means for heating the organic silicate and a hollow roll, a hollow roll shaft upon which the roll is rotatably mounted, piping connecting the heating means and one end of said hollow shaft, a thermostatically controlled valve in said piping, piping connecting the other end of said hollow shaft and said heating means, circulating means for said organic silicate in said second named piping, means within the hollow roll receiving heated organic silicate from said hollow shaft and flowing the heated organic silicate against the inner surface of the roll, a by-pass between said valve and said second piping, said piping constituting a closed system, expansion means for the organic silicate connected into the closed system above and adjacent to said heating means and normally closed pressure and vacuum relief means for said expansion means.

2,483,022
BABY PLAY PEN
Clara L. O'Neill, Blakeley Island, Ala.
Application October 17, 1947, Serial No. 780,469
1 Claim. (Cl. 5—89)



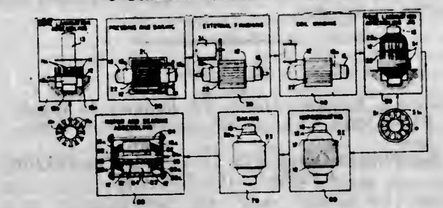
A baby play pen having intermediate end panels and sections pivotally attached to the sides of said intermediate end panels, side panels pivotally connected to the free ends of said sections to form an inclosure, a folding floor board comprising a center member and side members hinged to said center member, said center member of the floor board having dowels adapted to fit into holes in said intermediate end panels, means projecting inwardly from said side panels to support the free edges of said folding floor board, whereby the width of the play pen may be lessened to allow it to be transported through a narrow opening without necessitating the removal of the baby from the play pen.

2,483,023
FLASHLIGHT AND SHUTTER SYNCHRONIZER HAVING ADJUSTABLE SWITCH ACTUATING MEMBER
Friedrich A. Gustav Pirwitz, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application May 16, 1946, Serial No. 670,266
5 Claims. (Cl. 95—11.5)



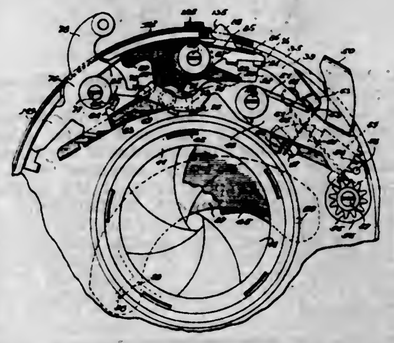
1. In a photographic shutter, the combination with a spring-operated flashlight synchronizer and a flashlight circuit switch permanently positioned in relation to the synchronizer and including a pair of relatively movable contacts, of a switch actuating lever movable independently of the switch contacts toward one of the contacts to close the circuit, said lever having a cam surface located in the path of the synchronizer and being adjustable endwise to vary the position of said cam surface along said path.

2,483,024
METHOD OF MANUFACTURING DYNAMOELECTRIC MACHINES
Herbert C. Roters, Roslyn, N. Y., assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y., a corporation of New York
Application March 3, 1945, Serial No. 580,904
5 Claims. (Cl. 29—155.53)



1. In the manufacture of an alternating-current dynamoelectric machine, the method of manufacturing a unitary stator structure by the use of an accurately finished cylindrical rotor-tunnel mandrel which comprises, punching a series of angular core laminations each having external winding slots and a circular internal opening closely fitting said mandrel, assembling a stack of said laminations and bearing-sleeve plates on said mandrel while stretching any such laminations as may be undersized, disposing a winding in said external slots, forming a magnetic yoke about said core structure, and at one or more predetermined points in the preceding sequence of operations disposing a layer of adhesive insulating material between adjacent laminations and between said laminations and said plates and setting said adhesive, thereby to form a unitary core structure with an accurately predetermined smooth continuous cylindrical bore having final dimensions determined substantially solely by said mandrel and suitable as assembled for the reception of a rotor structure.

2,483,025
CAMERA SHUTTER MECHANISM WITH FOCUSING STOP
Alfred Schwarz, Rochester, N. Y., assignor to Ilex Optical Company, Rochester, N. Y., a corporation of New York
Original application April 28, 1945, Serial No. 590,770. Divided and this application April 15, 1946, Serial No. 662,343
8 Claims. (Cl. 95—63)

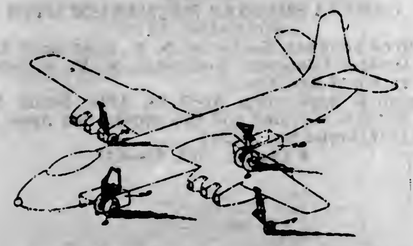


1. In a camera shutter of the setting type, the combination of a casing having an exposure opening, blades in said casing controlling said opening, a spring actuated master member provided with means for moving said blades, a spring actuated locking member for releasably holding said master member in set position, a trigger for actuating said locking member to release said master member, and focusing stop mechanism comprising a spring actuated latch lever in said casing having a manually operable part projecting externally thereof for actuating the same against the spring tension thereof, said latch lever having means movable to engage and actuate said locking member to release said master member when said latch lever is moved in one direction and movable out of the path of said locking lever when said latch lever is moved in the opposite direction, and means on said latch lever operable upon actuation thereof for engaging and latching said master member after release by said locking member in partially actuated position with said blades open, said latching means on said latch lever being disengageable to release said latch lever upon resetting of said master member.

2,483,026
VULCANIZATION OF RUBBER
Samuel van der Meer, Delft, Netherlands, assignor to Rubber-Stichting, Delft, Netherlands
No Drawing. Application October 8, 1946, Serial No. 702,017. In the Netherlands July 4, 1941
1 Claim. (Cl. 260—768)

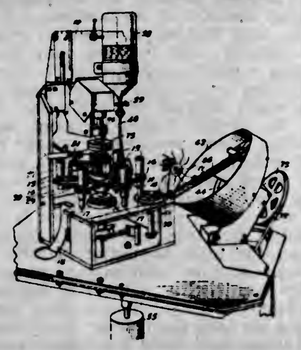
The process of vulcanizing rubber which comprises heating rubber in admixture with a small but effective amount of bis(bromethyl)-2,6-methyl-4-phenol.

2,483,027
HIGH-SPEED, JET-PROPELLED BOMBER AIRPLANE
William D. van Zelm, Ruxton, Thomas Gardner Hill, Severna Park, and George R. Welden, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application May 7, 1945, Serial No. 25,586
10 Claims. (Cl. 244—102)



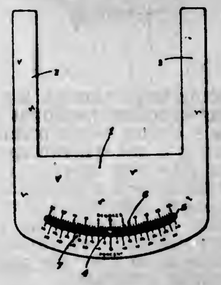
1. An airplane having a fuselage, high-speed laminar flow wings extending from said fuselage, a plurality of jet propulsion units mounted in nacelles depending from said wings, a bomb bay extending along the underside of the fuselage substantially symmetrically arranged with respect to the center of gravity of the airplane, main landing gear stowage compartments arranged in the underside of the fuselage fore and aft of the bomb bay, main landing gear arranged in tandem, one in each of said compartments substantially equi-distant fore and aft of the center of gravity to support the fuselage when on the ground.

2,483,028
MACHINE FOR CAPPING TUBES
Maurice J. Waldinger, New York, N. Y.
Application May 17, 1946, Serial No. 670,463
17 Claims. (Cl. 154—1)



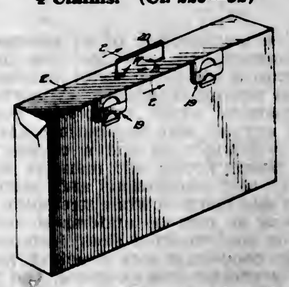
17. A machine for adhesively securing a plastic cap to the end of a plastic tube, comprising, a substantially circular turntable horizontally mounted and adapted to be intermittently rotated by suitable mechanism, a plurality of tubular holders perpendicularly mounted upon said turntable and equally spaced thereon for conveying said plastic tubes to various operating stations on said machine, a gravity feed hopper containing said plastic tubes, a conical feeder having longitudinal recesses therein along the frustum of said cone, a cover plate surrounding said cone having an opening therein so said plastic tube can pass from said hopper into said recesses in said cone, said cone being situated in a position to convey said tube from a horizontal position from said hopper to a vertical position to said tubular holders, an arcuate plate adjacent the bottom of said holders actuated by a trigger mechanism and stationary cam for releasing and holding said tube within said holder, a second hopper containing plastic caps having means therein for feeding said caps to a gravity slide, an intermittently rotatable disc having equally spaced recesses around the periphery thereof for the reception of said caps coming from said gravity slide, suitable mechanism for intermittently rotating said disc synchronously with said turntable, and a cam actuating mechanism for simultaneously dipping the bottom end of a plastic tube into an adhesive and securing a cap to the preceding tube that has already been dipped into the adhesive.

2,483,029
GRADEOMETER
Victor R. Will, Sacramento, Calif.
Application July 5, 1947, Serial No. 759,045
1 Claim. (Cl. 33—206)



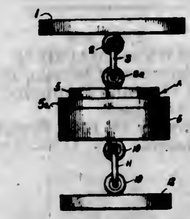
A gradeometer comprising a piece of relatively thin bendable sheet metal blanked out to form a face plate and a pair of upstanding spaced apart relatively narrow attachment fingers, the face plate being provided with an arcuate slot, there being a grade scale scribed on the plate adjacent the slot, a separate arcuate channel member affixed to the back of the plate and opening into the slot, and a free rolling ball in the channel, the diameter of the ball being greater than the width of the slot.

2,483,030
BOX
Edwin L. Arneson, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application October 26, 1945, Serial No. 624,670
4 Claims. (Cl. 229—52)



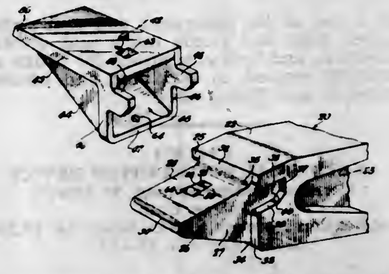
1. A box of the character described, which comprises side walls and telescoping end and top walls, one of said top walls having an underlying flap folded and secured thereto centrally thereof, which flap is of reduced length compared to its top wall, extending laterally a substantial distance past the longitudinal axis of said top wall, beyond which said flap is unsecured, said telescoping top walls providing a top wall structure, a portion of which structure is apertured along its longitudinal axis overlying said flap and adjacent the ends of the latter, a rigid removable handle member having a hand gripping section and an interlocking box gripping section provided by end portions angularly bent inwardly toward each other to subsequently underlie said flap, said box gripping section being insertable downwardly along said longitudinal axis through said apertured portion in said bent condition, said unsecured portion of said flap being freely swingable inwardly of the box interior at the zone thereof immediately underlying said apertured portions to enable said box gripping section to pass around said unsecured portion of said flap, and said box gripping section interlockingly engaging the under side of said flap below said apertured portion.

2,483,031
MAGNETIC CUFF LINK
Harvey Avedon, New York, N. Y.
Application June 4, 1948, Serial No. 31,087
1 Claim. (Cl. 24—104)



A cuff-link which comprises a first part and a second part which are adapted to be assembled in longitudinal relation, each part having an end-plate, an armature connected to the end-plate of the first part, said armature being made of material which is permeable to magnetic flux and which has little residual magnetism, the end-plate of said second part being connected to a pole cup of said material, said pole cup having a lateral base and a longitudinal wall, a permanent magnet located in said pole cup and abutting the inner face of said lateral base, said permanent magnet having a longitudinal wall which is separated by a lateral space from the inner face of the longitudinal wall of said cup, a pole plate which abuts the outer face of said permanent magnet, said pole plate having an outer face which is aligned with the end-wall of the longitudinal wall of said cup, said pole plate being made of said material and being separated from the inner face of the longitudinal wall of said cup by an air gap which is of much less width than said lateral space so that substantially all the magnetic flux passes through said air-gap when said parts of the cuff-link are separated, said armature having an end-wall which abuts the end-wall of said longitudinal wall and which abuts the outer face of said pole plate to bridge said air-gap when said parts of the cuff-link are assembled, said assembled armature and pole plate being located between said end plates when said parts of the cuff-link are assembled, said assembled armature and pole plate having a lateral air space whose outer edge is close to said air-gap, so that when said parts of the cuff-link are assembled, the flux enters said armature and leaves said armature close to said air gap and there is then substantially zero flux through said air gap.

2,483,032
EXCAVATING TOOTH
Josef Baer, Washington County, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application June 6, 1945, Serial No. 597,857
9 Claims. (Cl. 37—142)

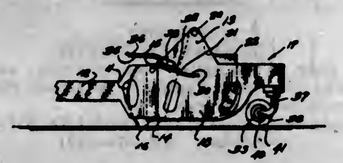


1. An excavating tooth comprising, in combination, an adapter having a rear shank portion and an integral forwardly projecting wedge-shaped nose having wedge and side faces, said nose being smaller in section than said shank portion to provide a shoulder adjoining the nose at the forward end of the shank portion, said shank portion having recesses on opposite sides thereof and opening through opposite ones of said shoulders adjacent said side faces of the nose, said nose having a key receiving opening extending through the mid-portion thereof in substantially perpendicular relationship to one of said wedge faces, said nose also having a recess therein adjacent said one of the wedge faces and opening into the side of said key receiving opening remote from and facing the shank portion, a block of compressible resilient material mounted in said recess and having a metal face thereon and normally projecting into the key receiving opening, a separate tooth point having a rearwardly opening socket presenting opposed surfaces adapted to grip the wedge surfaces of the nose, said tooth point having on opposite sides integral projecting tongues adapted to fit snugly into said recesses on opposite sides of the shank portion, said tooth point also having a key receiving opening in position for alignment with the key receiving opening in the nose, and a key insertable into said key receiving openings for holding the tooth point in place on the adapter, said key having a notch in one side adapted to engage the metal face on said resilient block for releasably holding the key in said openings.

2,483,033
EARTH MOVING APPARATUS
Del Baker, Shawnee, Okla.
Application December 7, 1945, Serial No. 633,390
1 Claim. (Cl. 37—124)

An earth moving apparatus including a tractor having a blade attached thereto, a receptacle having its open end adjacent to and facing said blade, the base of said receptacle having at its open end a scraping edge, said blade having a frame pivotably secured thereto at its foremost edge, rolling means supporting the forward end

of said frame, said receptacle being pivotably secured within said frame at the uppermost extremity thereof; a headed pin connected to each side wall of the receptacle and extending through an arcuate slot in each side wall of said frame, whereby said receptacle is pivotably secured to



said frame at its uppermost end and slidably engaged with said frame below said pivotable connection, and hydraulic means for tilting said receptacle secured to said pins and pivotably secured to said frame sides.

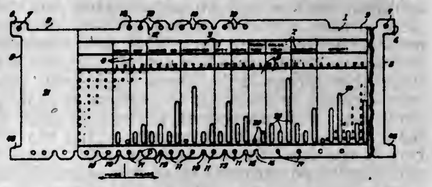
2,482,034
ANATOMICAL INSTRUCTION DEVICE
Herman Emanuel Braeg, St. Mary's College, Calif.
Application January 4, 1949, Serial No. 69,203
2 Claims. (Cl. 35—17)



1. An instruction device for representing the anatomy of a body comprising a skeleton made of individually rigid relatively thick members simulating the shapes of bones, means connecting certain of said members for relative movement, a plurality of relatively thick elements each simulating the shape of a muscle and made of resilient, flexible, elastic material, and two-part separable connecting means fixed respectively to the members and the elements for detachably securing certain of the elements to adjacent relatively movable members at points corresponding to the locations of the connections of the muscles to the bones in the body which the device represents, so that relative movement of said adjacent members will cause flexing of the elements connected thereto.

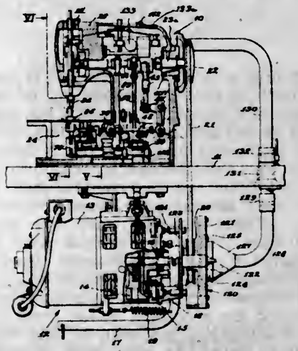
2,482,035
CARD RECORD SYSTEM
Cloyd E. Burns, Stamford, Conn.
Application December 9, 1944, Serial No. 567,477
16 Claims. (Cl. 129—16.1)

1. An improved standard, uniform record blank card into which pertinent information can be introduced and by which that card may be separated from others by sorting, which comprises a standard, uniform sheet having an apertured, projecting tongue at one corner, a plurality of correspondingly disposed, printed parallel index columns in the interior of the sheet, in each column of which may be formed openings of selectively variable lengths along the columns all starting from one corresponding end thereof to record-selected information, two groups of apertures, the apertures of one group being a plurality and arranged in a row along the upper edge of the sheet, and all apertures of said groups being uniformly spaced apart in the row and



from the adjacent edge, the apertures of the other group being also a plurality and arranged in a row along the lower edge of the sheet, the said apertures of the row along said one edge being staggered vertically midway with respect to those along the other edge, and a plurality of edge sorting notches interposed one midway between each adjacent pair of said apertures in each row, all of said notches extending vertically into the sheet until their inner ends are horizontally aligned with the adjacent apertures.

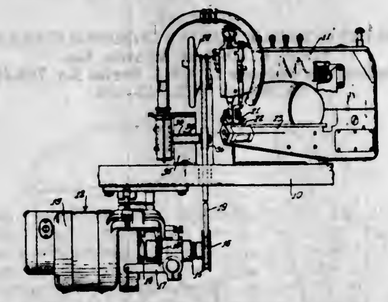
2,483,036
SEWING MACHINE
Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1945, Serial No. 572,595
9 Claims. (Cl. 112—256)



6. In a sewing machine having a hollow frame including a base, a vertical standard and an overhanging arm in open communication, a needle head at the end of said arm having an enclosed chamber in communication with the hollow of said frame, a rotary shaft extending longitudinally of said arm, a reciprocable needle bar in said head, complementary stitch forming devices and work feeding means in said base, and connections from said rotary shaft for operating said needle bar, said devices and said means, said base having a lubricant reservoir formed therein, the combination therewith of means associated with said connections for distributing lubricant as a mist throughout said hollow frame and said needle head, power means for driving said shaft, and a suction blower driven by said power means and connected with

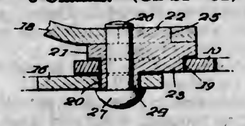
said hollow frame at a relatively high point for withdrawing air therefrom whenever said machine is in operation without withdrawing any substantial amount of the lubricant.

2,483,037
SEWING MACHINE
Norman V. Christensen and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 18, 1946, Serial No. 663,122
6 Claims. (Cl. 112—218)



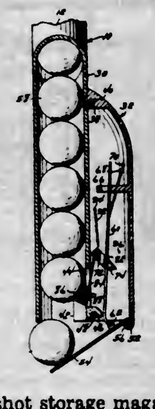
1. In combination a supporting member, a sewing machine carried by said member, said machine having stitch-forming devices including a needle, means including a belt for delivering power to said sewing machine for driving the same, a bracket adjustably mounted on said supporting member at a point adjacent said belt, a small low-pressure blower carried by said bracket, means for driving said blower including a shaft supported by said bracket and having a pulley secured thereto in a position for frictional engagement with said belt, said pulley being shiftable toward and away from said belt in the plane of the pulley upon adjustment of said bracket and a conduit adjustably mounted on said bracket, and wholly supported thereby said conduit being connected with the outlet of said blower and being arranged to deliver a stream of cooling air therefrom to the zone of operation of said needle.

2,483,038
CLAMP FOR HOLDING SPACED ICE-CREAM CANS
Edgar S. Curtis, Hanford, Calif.
Application June 10, 1947, Serial No. 753,603
6 Claims. (Cl. 24—81)



1. A clamp for holding spaced ice cream cans comprising a bridge to extend horizontally between the upper ends of two upwardly open cans, said bridge having longitudinal edges provided with integral, downwardly-bent and horizontally spaced flanges to abut the outer sides of the can walls, two horizontal clamping plates contacting slidably and swingably with the lower side of said bridge and disposed at the ends of said bridge respectively, said clamping plates having integral, downwardly-bent and horizontally spaced fingers to lie against the inner sides of the can walls at points adjacent said spaced flanges, two vertically extending circular hubs rotatable in the central portions of the ends of the bridge, eccentric studs on the lower ends of said hubs and on which the central portions of said plates are pivotally supported, and handle means on the upper ends of said hubs for rotating the latter.

2,483,039
SLINGSHOT MAGAZINE
Dorsey T. Davis, Roanoke, Va.
Application December 12, 1945, Serial No. 634,437
1 Claim. (Cl. 124—50)

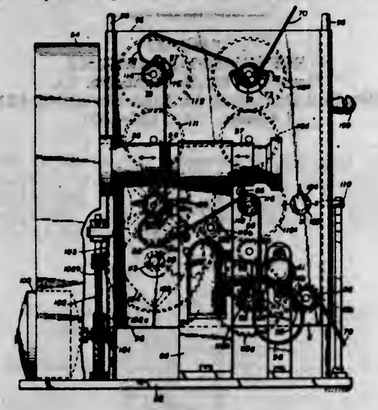


In a Y-shape shot storage magazine, the combination which comprises a tubular housing having a stem with separated upwardly extended arcuate hollow tubular arms, said stem having a lower end with openings therethrough, an auxiliary trigger housing removably mounted on one side of the said stem, a closure hinged to the end of the said trigger housing and extended across said lower end of the stem for retaining shot in the magazine, a trigger bar pivotally attached to said closure and extended upwardly into said trigger housing, a spring resiliently urging the said trigger bar upwardly in the housing whereby the closure is held in a position closing the magazine, a finger pivotally mounted in the trigger housing and extended through an opening in said stem of the magazine, a pivotally mounted tripper connected to the finger and having operative engagement with the trigger bar, said tripper being actuated by the trigger bar to position the finger for temporarily retaining shot in the magazine when the said closure is manually swung away from said lower end, and a spring for actuating the said finger and tripper whereby when the closure is in closed position the finger is pivoted to a position allowing the passage of shot through the magazine.

2,483,040
MOTION-PICTURE FILM WITH A PLURALITY OF PICTURE SERIES AND PROJECTOR FOR THE SAME
Farid Naoum El-Mazzaoui, Cairo, Egypt
Application February 18, 1947, Serial No. 729,324
10 Claims. (Cl. 88—16.2)

6. A projector for motion picture films with a plurality of picture series arranged in a single longitudinal strip, each series consisting of spaced pictures alternating with pictures of other series and with a plurality of transversely spaced longitudinally arranged sound tracks, comprising stationary beam projecting means, a stationary film gate in the path of the beam, a sprocket wheel on

each side of said film gate for holding a film section passing through said beam at right angles thereto and for moving said film section longitudinally through the gate to bring pictures of the same size successively into position for projecting the same, driving means for said sprocket wheels,



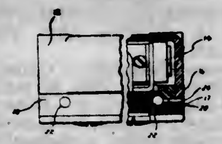
a shiftable carrying unit for the sprocket wheels on both sides of the film gate and means for producing a relative longitudinal displacement of the film section passing through the film gate for a distance corresponding to the distance between the pictures of different series on the picture strip.

2,483,041
VARIABLE TONE CONTROL DEVICE
Albert Claus Fitschen, Beverly Hills, Calif.
Application May 23, 1947, Serial No. 750,008
4 Claims. (Cl. 84—309)



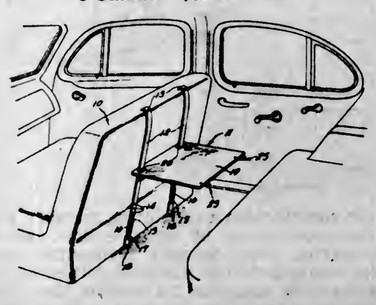
1. In a variable tone control device for a stringed instrument, the combination with a bridge, of an attaching hook frictionally engaging the bridge, a supporting flange integral with the hook, and an adjustable screw forming a weight threaded through the flange in substantial parallelism with the bridge.

2,483,042
SECURING MEANS
Paul G. Frerer, Baltimore, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application May 7, 1946, Serial No. 667,858
7 Claims. (Cl. 292—137)



1. In a housing; a cover provided with a depending projection; a base adapted to receive said cover and provided with a recess complementary to said projection, with a first aperture extending into said base from said recess and having an inner extremity, and a second aperture disposed transversely of and intersecting said first aperture at the said inner extremity, said first aperture terminating at the wall of said second aperture nearest the said recess; said second aperture having a dimension measured parallel to said first aperture exceeding the depth of said recess; said depending projection having an aperture normally in register with said first aperture; and a pin having a length greater than the depth of said recess and less than the sum of the depth of said recess and the length of said first aperture situated within said projection aperture and within said first base aperture.

2,483,043
FOLDING TABLE FOR AUTOMOBILE SEATS
James F. Golden, Atlanta, Ga.
Application October 15, 1946, Serial No. 703,400
3 Claims. (Cl. 311—22)

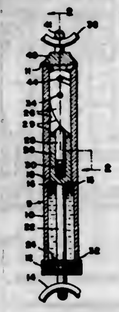


1. A folding table attachment for a vehicle which includes a pair of spaced supporting straps, a hook at the upper end of each strap for engaging the upper edge of a vehicle seat back, a retractile spring attached to the lower end of each strap, a hook attached to the lower end of each spring for engaging the lower edge of the seat back, a tray having a pair of spaced strap receiving openings adjacent one edge, an S-shaped bracket secured to the underside of the tray adjacent each opening, said brackets having edges abutting the straps to hold the tray horizontal and catches rotatably connected to the tray adjacent the edge remote from that adjacent the openings for engagement with the under side of the straps when the tray is folded to hold the tray in a plane substantially parallel with the seat back.

2,483,044
DELAYED-RELEASE MECHANISM
Calvin A. Gongwer, Norwich, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application November 20, 1944, Serial No. 564,380
4 Claims. (Cl. 294—83)

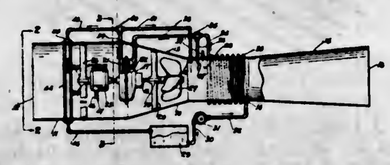
4. In an automatic releasing coupling, a barrel assembly, a plunger assembly and a plug assembly, said barrel assembly including a smaller cylinder and a larger cylinder separated by a perforated washer, said larger cylinder closed at an outer end by a cap, and substantially filled with fluid, said plunger assembly including a perforated piston housed in said larger cylinder and free to move relative thereto within the limiting confines of said perforated washer and said cap, a piston rod secured at one end to said piston and at the other end to a tong assembly, said tong assembly including inclined hook portions and cam portions, said cam portions engaging a spring actuated push rod whereby the arms of

said tong members are urged apart, said hooks engaging pin means on said plug assembly to prevent the separation thereof, and frangible sealing means securing said plug assembly to the open end of said smaller cylinder, said tong members being restrained from opening by the walls of said smaller cylinder when in housed position



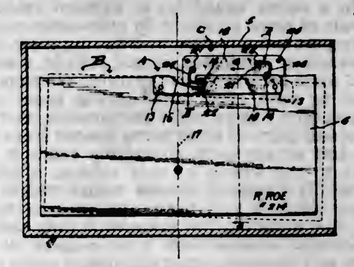
and restrained from opening by the pin of said plug means when the plunger means are partially withdrawn from the housing means by tension on the plug means, and whereby said tong members are automatically opened by said push rod when said tension is relaxed, thereby opening the hook means and releasing the plug means.

2,483,045
JET ENGINE, INCLUDING A COMBUSTION CHAMBER TO WHICH GASEOUS FUEL IS DELIVERED UNDER PRESSURE
Harold D. Harby, Los Angeles, Calif.
Application September 24, 1945, Serial No. 618,143
5 Claims. (Cl. 60—35.6)



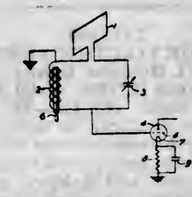
1. A jet propulsion power unit comprising a tubular housing having a cylindrical induction end of relatively large diameter and an eduction end of relatively small diameter forming a continuous passageway from end to end thereof with a restricted throat section intermediate its ends, a fluid pressure turbine disposed within said passageway relatively near the induction end and having its axis concentric with the longitudinal axis of the tubular housing, a blower fan driven by said turbine and longitudinally aligned therewith, said fan being disposed between the turbine and the eduction end of the tubular housing and designed to move air through the housing toward the eduction end thereof, said blower being disposed in the advance portion of said restricted throat, a combustion chamber formed at a point in said restricted throat between the blower and the eduction end of the tubular housing, a heating coil circumscribing said combustion chamber whereby heat incident to the combustion of fuel in said combustion chamber will be imparted to said heating coil, a liquid fuel storage tank, a conduit connecting said storage tank with said heating coil, a pump positively circulating liquid fuel from said storage tank to said heating coil, a pipe connecting the heating coil with the induction side of the turbine, and a pipe leading from the eduction side of the turbine to the combustion chamber whereby the fuel vapors generated within the heating coil may be delivered to the turbine to motivate the same and to thereafter be exhausted from the turbine into the combustion chamber.

2,483,046
FILING DEVICE
Raymond L. Heckert, Hagerstown, Md.
Application April 26, 1945, Serial No. 590,465
2 Claims. (Cl. 129—16)



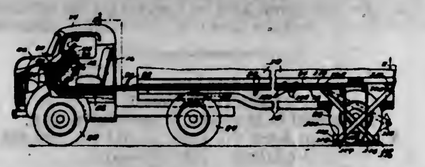
1. In a filing device including a receptacle hanger having a notch in its upper edge and a downwardly and horizontally extending slot opening through its upper edge in spaced relation to said notch, an overhead support for said hanger comprising spaced parallel front and rear supporting elements of elongated form, brackets fixed to the ends of said supporting elements to mount the latter so that they extend transversely of the hanger for removably and slidably suspending the latter, each supporting element comprising a pair of spaced parallel rods and a reinforcing strip of angular form in cross section having its longitudinal edges respectively rolled about said rods substantially from end to end of the latter.

2,483,047
LOOP ANTENNA CIRCUIT
Malcolm P. Herrick, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application December 24, 1946, Serial No. 718,162
5 Claims. (Cl. 250—40)



1. In a radio receiver having an electron discharge device comprising input terminals, an antenna circuit comprising a capacitor, a loop antenna and an inductance coil, a ferromagnetic element reciprocably arranged within said inductance coil for tuning said circuit over a desired frequency range, said antenna and said capacitor in series being connected across said input terminals and said coil being connected in parallel with said series-connected antenna and capacitor.

2,483,048
SAFETY BRAKE OR ROUGH LOCK
Wensel J. Hergner, McKeesport, Pa.
Application September 11, 1945, Serial No. 615,577
2 Claims. (Cl. 188—4)



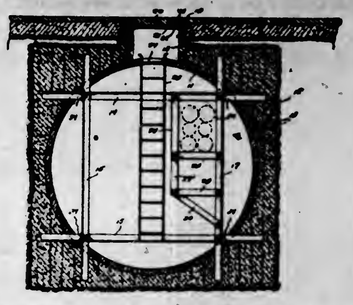
1. In a safety brake for a wheeled vehicle, a first pair of arms arranged in criss-cross relation with respect to each other and having their upper ends pivotally connected to said vehicle, a second pair of arms arranged in criss-cross relation with respect to each other and having their upper ends pivotally connected to said vehicle, said first and second pairs of arms being spaced from each other and arranged in embracing relation with respect to the wheels of said vehicle, a pair of horizontally-disposed spaced wedge blocks extending between said arms and secured to the latter and mounted for movement into and out of frictional engagement with respect to the wheels, and manually-operable means operatively connected to said arms for causing pivotal movement of the latter to thereby move said wedge blocks into and out of engagement with said wheels.

2,483,049
HALOGENATION PROCESS
John C. Hillyer, Bartlesville, Okla., and Clark H. Ice, Richland, Wash., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application July 8, 1947, Serial No. 759,696
7 Claims. (Cl. 260—654)

7. A process for the preparation of 1,2-dibromo-3-butene as a major reaction product, which comprises dissolving 1,3-butadiene in 2 to 4 times its volume of methylcyclopentane, maintaining the resulting solution at a temperature of about —20° C. while introducing bromine thereto in a manner adapted to secure homogeneous composition of the resulting mixture, controlling the rate of introduction of said bromine so that the mol ratio of the unreacted butadiene to the bromine in said mixture is in excess of 1:1, and separating 1,2-dibromo-3-butene from said mixture.

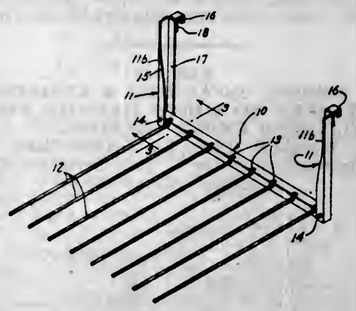
2,483,050
CONDUIT FOR ELECTRIC POWER LINES
Thomas J. Hinchen, Quincy, Mass.
Application June 18, 1946, Serial No. 677,453
1 Claim. (Cl. 138—48)

In a protective structure for underground electric power lines, the combination with a plurality of pipes arranged in end-to-end relation to define a continuous shell, and a block of monolithic concrete surrounding said shell, of a plurality of rectangular frames spaced from each other and arranged longitudinally along said shell, each of said frames comprising a pair of spaced parallel bars disposed horizontally and a pair of spaced parallel bars disposed vertically secured to said horizontally-disposed bars, the ends of said bars extending into the surrounding blocks and embedded therein, a rack structure adapted to support said power lines secured to each of said frames, said rack structure comprising a pair of arms dependingly carried by the upper horizontally-disposed bar of said frame and a horizontally-disposed bar member spaced below said upper horizontally-disposed bar and having an



end secured to each of said arms, and longitudinally-disposed members secured to each of said frames for supporting the latter.

2,483,051
FOLDABLE DRYING RACK
Edward M. Holt, Texarkana, Ark.
Application October 7, 1947, Serial No. 778,426
2 Claims. (Cl. 211—104)



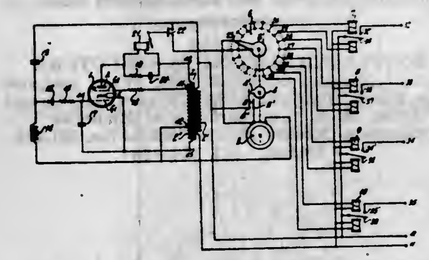
1. A foldable drying rack comprising an elongated bar of rectangular cross-section having a plurality of rod-receiving openings therein disposed at substantially equal intervals lengthwise of said bar and each including a tapered well of circular cross-section opening to one face of said bar and having a depth less than the corresponding thickness of the bar, and a recess extending from one side of said well to a second face of said bar substantially perpendicular to said one face and inwardly from said one face a distance less than the depth of said well, the inner end of said well being larger than the outer end thereof opening through said one face, a plurality of cylindrical rods each having an end portion inserted in a respective recess in said bar, said rods extending in the same direction from said bar substantially perpendicular thereto, a pair of hangers of channel-shaped cross-section each pivotally connected at one end to a respective end of said bar and movable between a position in which they overlie respective end portions of said bar and a position in which they are substantially perpendicular to said bar and said rods, and a flat hook secured to the end of each hanger opposite the end thereof connected to said bar, said hooks projecting from the sides of said hangers opposite the sides at which said rods project.

2,483,052
SHOULDER REST FOR MUSICAL INSTRUMENTS
George N. Humphrey, Arlington, Mass.
Application June 28, 1947, Serial No. 757,844
5 Claims. (Cl. 84—280)



1. A shoulder rest for a musical instrument of the violin type, comprising an elongated base with a non-slip bottom surface to rest on the shoulder, an arm extending upward and outward from each end of said base to engage the bottom of an instrument along portions of its bottom edge, and means for adjustably securing each of said arms to said base.

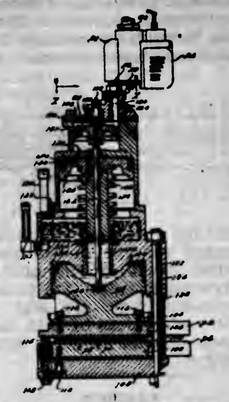
2,483,053
REMOTELY CONTROLLED RECEIVER
Günter H. Isay, Basel, Switzerland
Application March 20, 1948, Serial No. 16,052
In Switzerland January 21, 1948
6 Claims. (Cl. 315—326)



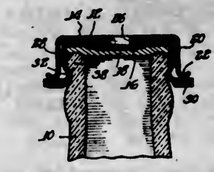
1. A remotely controlled electric receiver for the reception of audio frequency control impulses from a control station over the main lines of an electric power distributing network, said receiver comprising a multi-electrode glow discharge relay having an anode and a cold cathode, a grid between said anode and said cathode, and a control grid disposed at the side of said cathode which is distal with respect to said anode, a capacitively loaded rectifier of small time constant wired to said control grid, and a series resonance circuit wired to said rectifier and to said main lines and tuned to the frequency of the control impulse voltage impressed on said main lines.

2,483,054
ELECTRIC CONTROLLER
Fred H. Johnson, Pleasant Ridge, and Chester F. Leathers, Detroit, Mich.; said Leathers assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Original application March 22, 1943, Serial No. 479,998, now Patent No. 2,452,573, dated November 2, 1948. Divided and this application May 28, 1947, Serial No. 751,102
19 Claims. (Cl. 201—51)

1. In a switch mechanism, a base member, a first carbon plate carried by said base member and having a contact surface, a piston and cylinder combination carried by said base member, a second carbon plate having a contact surface engageable with said first plate surface, force multiplying means arranged to transmit the force exerted by said combination to said second carbon plate whereby said surfaces are brought into engagement under a desired pressure, and spring means carried by said base member for urging said carbon plates in a separating direction.



2,483,055
BOTTLE CAP
Rudolf Krasberg, Chicago, Ill.
Application August 21, 1944, Serial No. 550,409
4 Claims. (Cl. 215—45)

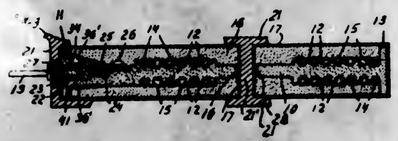


1. A re-usable bottle cap for beaded neck bottles comprising a cupped closure member having a plurality of depending resilient members adapted to engage the neck of the bottle below the bead thereof, said depending resilient members having at opposite sides of said cupped member laterally extending finger grip portions to facilitate manual application and removal of said cap, and manually operable downwardly facing cam means rotatably secured to said cupped closure member against axial movement with respect to said closure member and adapted to be moved into engagement with said laterally extending finger grip portions of said depending resilient members upon rotation of said cam means relative to said cupped structure to increase the pressure applied thereby.

2,483,056
METHOD OF CASTING ELECTRIC HEATING UNITS
Herbert Victor Leckie, Rome, N. Y.
Application February 7, 1947, Serial No. 727,037
8 Claims. (Cl. 22—202)

1. The method of casting metal around an electric heating unit, which comprises making up the unit of an outer cemental covering and a conductive heating element mounted on an inner insulating base having at least two apertured connectors for the element and forming between the base and covering an air pocket in

communication with the aperture of one of said connectors, securing the unit to a chill block of a mold with the connector apertures registering with passages extending through the chill block, the unit being secured to the block by a bolt extending through one passage and threaded into the registering aperture and the aperture



in communication with said air pocket registering with another passage in the block, and introducing molten metal into the mold and around the unit and venting from said pocket through said communicating aperture and passage air occluded in the interstices of said base whereby the metal upon cooling forms a sound casting around the unit.

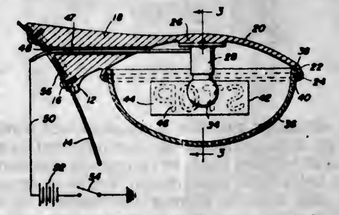
2,483,057
SLIDING FASTENER
William C. Levering, East Orange, N. J.
Application October 8, 1945, Serial No. 621,007
7 Claims. (Cl. 24—205)



1. A sliding fastener, comprising an intermediate group of spaced double interlocking links, each double link having spaced ends, a flexible strip carrying the links, outer groups of spaced interlocking links for engagement with the spaced ends of the double interlocking links, flexible strips carrying the outer groups of interlocking links, and a slide common to all groups of links for engagement with all of such groups and having a tubular web forming a passage for receiving the intermediate group of double interlocking links and converging side passages, the slide having a common link-closing passage provided with a tapered portion in communication with the side passages, the outer groups of interlocking links being received by the side passages and conducted thereby into the link-closing passage.

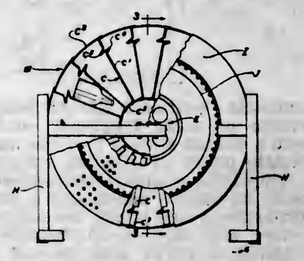
2,483,058
VEHICLE SIGNAL ATTACHMENT
Mathew P. Mack, Watertown, S. Dak.
Application June 8, 1948, Serial No. 31,712
1 Claim. (Cl. 177—329)

In a vehicle having a fixed roof structure, a signal attachment to approaching vehicle operators for indicating that the vehicle is parked adjacent a roadway for repair, said attachment comprising an anchor plate removably secured to the roof structure and above the driver's door of the vehicle, a concavo-convexed cover plate integrally formed with the anchor plate and projecting laterally therefrom, said cover plate being disposed in a substantially horizontal plane and having a depending annular flanged portion, an annular groove provided in the inner surface of said flanged portion, a concavo-convexed translucent casing having an outwardly flared edge embraced by said flanged portion, a split ring received in said groove and bearing against the outwardly flared edge of said casing to sup-



port the casing relative to the cover plate, a central protuberance integrally with the concaved surface of said cover plate, a lamp supporting socket fixed to said protuberance, said casing having a pair of diametrically disposed openings therein, and strips fixed within said cover plate and having translucent indicia thereon, said roof having an opening and a further opening provided in said anchor plate and said closure in registry with the opening in said roof for receiving conductive wires for said lamp holding base.

2,483,059
BOTTLE HOLDING DRUM STRUCTURE
Augie L. Nelson, Grand Rapids, Mich., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich., a corporation of Michigan
Application October 10, 1945, Serial No. 621,409
7 Claims. (Cl. 312—48)

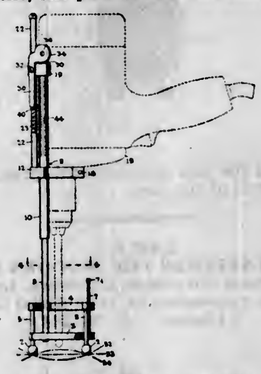


2. A bottle holding revoluble drum formed of a series of like sections secured to each other, each section being developed from a flat sheet to include a radially extending flat partition portion having return bends therein projecting from opposite sides thereof to form axially extending ribs and segmental arcuate flanges respectively at the inner and outer ends of said partition projecting on opposite sides thereof to be concentric with each other and the axis of the drum with their outer ends overlapping and secured to the corresponding flanges of adjacent sections.

2,483,060
DRILL POSITIONING MECHANISM
Samuel Niedelman, New York, N. Y., and Manfred Rauscher, Arlington, Mass., assignors to Avitecnica, Inc., New York, N. Y., a corporation of New York
Application December 19, 1945, Serial No. 635,913
10 Claims. (Cl. 77—55)

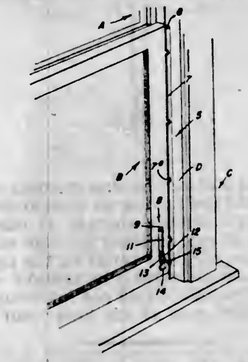
1. Drill positioning mechanism, comprising a pair of independently movable supporting stand-

ards, a pair of spaced, work-engaging contact points carried by each standard, means cooperating with said standards and contact points for limiting the movement of said contact points to parallel paths, one pair of said contact points be-



ing positioned at diagonally opposite corners of a rectangle, while the other pair is positioned at the other two diagonally opposite corners of said rectangle, and bracket means, carried by and serving to brace said standards, for holding a drill operating mechanism or the like.

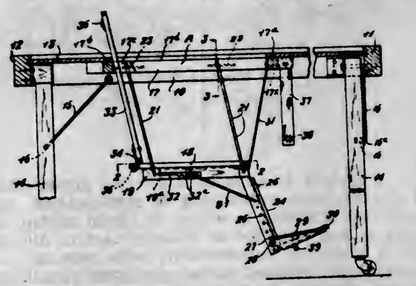
2,483,061
WINDOW FASTENER
Leland E. Omans, Detroit Lakes, Minn.
Application October 6, 1947, Serial No. 778,099
3 Claims. (Cl. 292—80)



1. A sash fastener of the class described comprising two parts rigidly connected together and at right angles to each other, one part being partly flat and adapted for rigid attachment to a window sash, each part embodying an elongated longitudinally bowed resilient limb, said limbs being at right angles to each other, one limb constituting a spring latch.

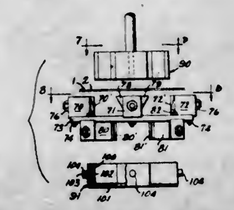
2,483,062
COMBINED TABLE AND CHAIR
Alfred E. Puls, Cleveland, Ohio, and Edward B. Swenson, Metropolis, Ill., assignors, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill., a corporation of Delaware
Application June 22, 1945, Serial No. 600,982
7 Claims. (Cl. 155—123)

1. A table having a frame, a top provided with an opening therein and supporting members secured to the frame on the underside of the top adjacent to the rear and sides of said opening, a foldable chair comprising a seat having a flanged member secured to and extending downwardly from and along each side thereof, a front and a rear pair of rigid members pivotally connected at their upper ends to the respective supporting members and pivotally connected at their lower ends to the respective flanged members, adjacent to the front and rear portions of the latter, hang-



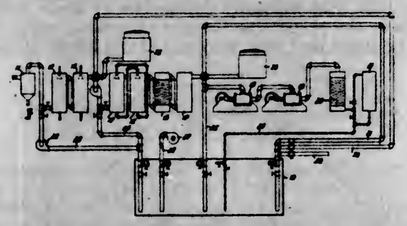
ers pivotally supported at their upper ends from the said flanged members, a foot rest foldably connected with said hangers, bracing members removably connecting the said hangers with the said flanged members and adjustably associated with both said hangers and said flanged members, and a backrest detachably connected to the rear of the seat and extending through the opening.

2,483,063
CARTON FORMING DEVICE
Don Ray, Beverly Hills, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware
Original application March 27, 1939, Serial No. 264,376. Divided and this application December 21, 1942, Serial No. 469,770
6 Claims. (Cl. 93—51)



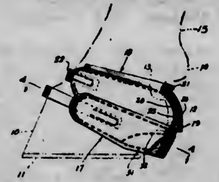
1. A machine for folding and depositing an imperforate container blank within a forming mold of polygonal shape, comprising a forming table having an opening therein, a plurality of forming heads arranged around said opening in spaced relation to each other in a common plane to agree with alternate side wall sections of the container, a plurality of additional forming heads to agree with intermediate side wall sections of said container arranged around said opening in spaced relation to each other at a lower level than said first named forming heads, plunger means adapted to move downwardly through said opening to engage and carry said container blanks of sheet material through said opening and successively between forming heads at the two levels, whereby said blanks may be folded with a bottom and side wall sections and with gussets folded between and lying against the contiguous side wall sections to assume the configuration of the mold and to be deposited therein.

2,483,064
METHOD OF AND APPARATUS FOR COMMODITY PRESERVATION WITH CARBON DIOXIDE
Gustave T. Reich, Philadelphia, Pa.
Application July 18, 1944, Serial No. 545,522
12 Claims. (Cl. 62—176)



1. A system of apparatus for the preservation of commodities comprising in combination with a storage chamber a source of liquid carbon dioxide, a source of dilute gaseous carbon dioxide, and a source of substantially pure gaseous carbon dioxide, conduit means for conveying liquid carbon dioxide from the first of said sources, dilute gaseous carbon dioxide from the second of said sources, and substantially pure gaseous carbon dioxide from the third of said sources into the interior of the storage chamber, and further conduit means providing communication between the interior of the storage chamber at a point spaced from the opening of said first conduit means and the exterior of the storage chamber.

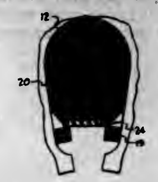
2,483,065
BELL BOOT FOR HORSES
Edward S. Schwartz and Lerton V. Dawson, Excelsior Springs, Mo.
Application March 5, 1948, Serial No. 13,164
4 Claims. (Cl. 54—82)



1. A bell boot for horses, comprising a bell, a quarter, means hingedly connecting said quarter and bell together, said means comprising a flexible strap having upper and lower ends, means connecting said lower end of said strap to said quarter, and an inverted V-shaped line of stitching connecting said upper end of said strap to said bell.

2,483,066
PROTECTING MEANS FOR ELECTRICAL WINDINGS
Frank J. Sigmund and William S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation, a corporation of Ohio
Application April 30, 1945, Serial No. 591,082
12 Claims. (Cl. 171—252)

1. In a dynamo-electric machine employing a magnetizable core having coil slots therein, windings with coil sides in said slots and coil heads at the ends of said core, the provision of split impermeable non-magnetic sleeves surrounding said coil sides in the coil slots and extending to the coil heads, said split impermeable non-magnetic sleeves being provided with spacing means extending from the outer surface thereof to contact



the walls of the said coil slots and space the sleeve from the wall of the slot.

2,483,067
RAIL FASTENER FOR WOODEN BEDS
Herman Silverman, Ottumwa, Iowa
Application September 19, 1947, Serial No. 775,099
2 Claims. (Cl. 5—288)

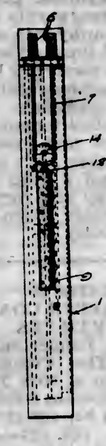


1. A bed end post reinforcing member comprising an elongated rod having an elongated opening extending longitudinally thereof at one end, a transverse pin on said member through said opening, end post penetrating tangs on the upper end of said rod, and substantially radially disposed lugs on the lower end of said rod for securing said rod in a bed end post at the lower end thereof.

2,483,068
SASH BALANCE
Sidney E. Smith, Ukiah, Calif.
Application July 12, 1944, Serial No. 544,603
1 Claim. (Cl. 20—52)

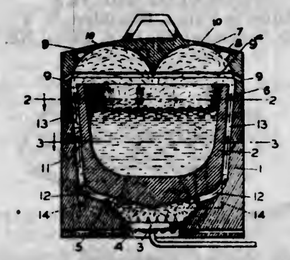
A double hung window comprising a frame having vertical wells in the side portions thereof and including side jambs and a header mounted on the upper ends of said jambs, the ends of the header projecting beyond the jambs and having openings outwardly and inwardly of said jambs, a single pair of pulleys rotatably mounted on each end of the header and having mounts integrally connected at their bases, the bases of said mounts being secured on top of said header at the inner and outer sides of said openings, upper and lower sashes slidable in the frame, a sash cord trained over each pair of pulleys and having its ends passed through the openings inwardly of the jambs and anchored to the sashes,

further pulleys engaged with the intermediate portions of the sash cords, said sash cords passing through the openings outwardly of the jambs



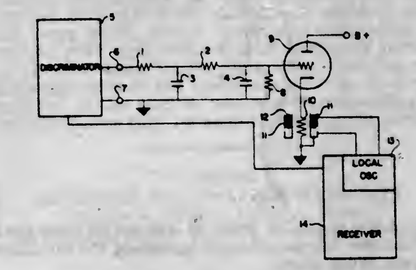
from the pairs of pulleys to said further pulleys, and weights suspended from said further pulleys and operable in the wells.

2,483,069
HEATING JACKET FOR COOKING UTENSILS
Benjamin H. Snook, Denver, Colo.
Application November 27, 1945, Serial No. 631,024
2 Claims. (Cl. 126—376)



1. A cooking utensil comprising a jacket having an upwardly opening chamber and a bottom wall formed with a central opening within which a heating element is adapted to be engaged, a container disposed in said jacket, the inner walls of said jacket being engageable with said container in said chamber and formed with vertically, inwardly opening, grooves, said bottom wall supportingly engaging the bottom of said container and formed with radial, upwardly opening, grooves, communicating with said central opening and said vertical grooves, said vertical and radial grooves forming with the wall and bottom of said container respectively a plurality of flues for conveying the heat emitted from the heating element to the top of said jacket and a cover engageable with the upper edge of said jacket and being formed with an annular concave heat deflecting member communicating with said flues and said container for deflecting heat from said heating element into said container.

2,483,070
AUTOMATIC FREQUENCY CONTROL CIRCUIT
Joseph C. Spindler, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application May 2, 1946, Serial No. 666,554
9 Claims. (Cl. 250—36)



1. In an electrical circuit, an element comprising a resistor and a capacitor in thermal contact with each other, said capacitor having at least two opposing plates and dielectric spacing means, said spacing means being composed at least in part of material having a dielectric constant the value of which is affected by temperature changes, means for supplying electrical energy to said resistor including means for varying the amount of said electrical energy whenever the capacity of said capacitor ceases to be substantially that of a predetermined value, and an external circuit connected to plates of said capacitor.

2,483,071
FISHING ROD
Lester G. Stine, Harrisburg, Pa.
Application December 3, 1947, Serial No. 789,398
5 Claims. (Cl. 43—18)

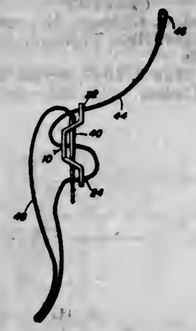


1. In a fishing rod, the combination of a handle portion, a pivot thereon, a pole portion mounted on said pivot for oscillatory movement relative to said handle portion, and resilient means on opposite sides of and in direct contact with said pole portion for counteracting the movement of the latter in both directions.

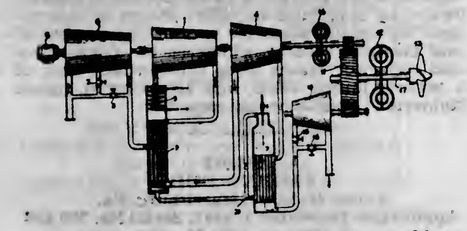
2,483,072
FISH STRINGER
William H. Stonich, Boulder Junction, Wis.
Application June 30, 1948, Serial No. 36,103
3 Claims. (Cl. 224—7)

3. A fish stringer comprising a flexible cable, a bracket slidably mounted upon and frictionally secured to said cable comprising aligned extremities and a parallel central portion terminally connected therebetween by angulated legs, apertures in said extremities, central portion and legs, said cable being threaded through the apertures of the extremities and central portion to provide a frictional fastening engagement and divide the cable to form a supporting portion and a fish stringer line, and a reversely tapered terminal on

the end of said fish stringer portion engageable in the apertures of the angulated legs, the aperture of the upper leg being of larger size than that of the lower leg to compel insertion of the terminal therein from above.

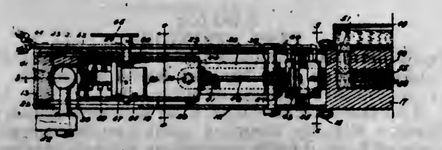


2,483,073
GAS TURBINE SYSTEM
René Strub, La Chaux-de-Fonds, Switzerland
Application April 24, 1944, Serial No. 532,504
7 Claims. (Cl. 60—102)



7. A gas turbine plant comprising, in combination, a main power shaft, a main gas turbine, an auxiliary gas turbine, power transmission means interconnecting said two turbines, regulatable power transmission means interconnecting said first power transmission means and said main power shaft, and an air compressor directly connected to and driven by said auxiliary turbine and furnishing compressed air for the operation of said plant.

2,483,074
TRAILER HITCH AND BRAKE-ACTUATING MEANS
Gurdon Swain, Houston, Tex.
Application November 7, 1945, Serial No. 627,112
11 Claims. (Cl. 188—112)

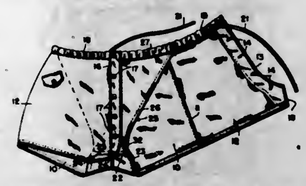


1. A trailer hitch and brake actuator comprising a hollow trailer tongue having a longitudinal slot in its front portion, a forwardly and rearwardly movable member extending longitudinally within said hollow tongue and having supporting and guiding rollers contacting with the inner side of said tongue, said forwardly and rearwardly movable member having hitch means exposed at said longitudinal slot for connection with a ball on a towing vehicle, a hydraulic brake master cylinder mounted within said hollow tongue behind said forwardly and rearwardly movable member, a master cylinder plunger secured to said forwardly and rearwardly movable member and extending rearwardly into said master cylinder, said plunger and the fluid within said master cylinder constituting means for limiting the rearward movement of said forwardly and rearwardly movable member, hydraulic shock-absorbing means within said hollow tongue for checking the forward movement of said forwardly and rearwardly movable member as it nears its extreme forward position, and a stop carried by said tongue to be struck by said forwardly and rearwardly movable member when it reaches said extreme forward position.

2,483,075
METHOD OF COPPER COATING IRON PARTICLES
Edward C. Truesdale, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 15, 1944, Serial No. 568,397
3 Claims. (Cl. 117—100)

1. In the method of coating with copper particles of iron powder suitable for use in powder metallurgy by subjecting an intimate mixture of iron powder and a finely divided oxide of copper in the form of a coating of the copper oxide on the particles of iron powder to a reducing treatment with hydrogen, the improvement which comprises including about 1% by weight of copper chloride in the mixture of iron powder and copper oxide.

2,483,076
SWIMMING TRUNKS
Umberto Vacca, Brooklyn, N. Y.
Application November 26, 1946, Serial No. 712,380
4 Claims. (Cl. 2—67)



1. Bathing trunks comprising a back panel, two front panels connected to opposite sides of the back panel, the front panels having free vertical edges adapted to be brought together in garment closed relation at the front of a wearer, means for detachably joining the front panels at the lower ends of said free vertical edges with the bottom edge of the back panel, a breech cloth unit having one end permanently joined to the top of the inside of the back panel, and means for detachably joining an opposite end of said unit to the inside of the top of each front panel.

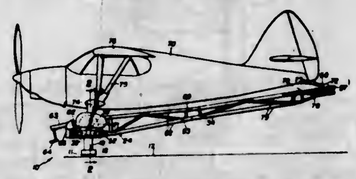
2,483,077
BATHTUB CUSHION
John C. Walsh, Arlington, Va.
Application December 29, 1945, Serial No. 637,999
1 Claim. (Cl. 4—185)

A bathtub cushion comprising a continuous elongated rectangular strip of flexible waterproof material, a pocket at each end of said strip, each pocket including spaced parallel side and end walls of flexible water-proof material attached to the strip, the end walls adjacent the ends of the strip each having a longitudinal incision therein, a slide fastener fixed to each end wall for closing the incision in its respective



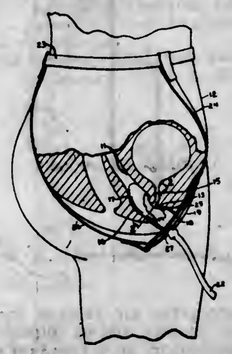
end wall, a cushion member in each pocket, a strap fixed to one of the pockets adjacent the end wall thereof remote from that in which the incision is formed and means detachably to couple the strap to the adjacent pocket to hold the cushion extended.

2,483,078
AIRPLANE MOORING DEVICE
Oliver E. Williams, Pocatello, Idaho
Application November 26, 1946, Serial No. 712,296
7 Claims. (Cl. 244—115)



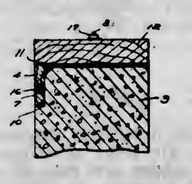
1. A mooring device for an airplane having landing wheels and an auxiliary wheel, comprising in combination, an upright casing partially embedded in the ground and forming a base, a sleeve slidably and rotatably positioned in said casing, means for sliding said sleeve, a carrier comprising a platform secured to the upper end of said sleeve and adapted to receive said landing wheels, and an extension hinged to said platform and forming a cradle for said auxiliary wheel, means for securing said airplane to said carrier, and further means for raising and lowering said extension with respect to said platform.

2,483,079
DEVICE FOR CONTROL OF URINATION
Alfred J. Williams, Cleveland, Ohio
Application May 15, 1948, Serial No. 27,221
7 Claims. (Cl. 128—295)



1. A urinary device for females having poor control of bladder discharge, which device comprises a substantially cylindrical hollow body having a longitudinally tapered inner end of reduced height formed by a tapered lower surface thereof, a substantially planar end piece secured to the outer end of said body and extending substantially perpendicularly thereto, said end piece being slightly wider than said body and protruding appreciably above and below said body, a discharge tube secured to said end piece and connecting into said body, the lateral edges of said end piece being curved in toward each other to smooth over such end sections, said body having an opening on its upper surface for receiving the discharge end of the urethra when the device is inserted in the vagina, and means connecting to said discharge tube for receiving urine therefrom.

2,483,080
CONCRETE FOUNDATION WITH SILL
Charles L. Wilson, Billings, Mont.
Application August 12, 1946, Serial No. 690,038
2 Claims. (Cl. 72—77)

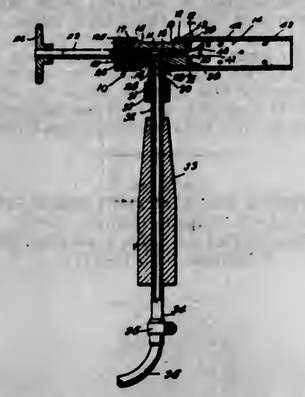


2. A mud sill for foundations including a cement foundation notched out at its upper outside edge, spaced L-shaped anchor bolts embedded in said cement foundation and having legs extending outwardly and upwardly therefrom, a seal bead in said notched out portion of said foundation, a mud sill on said foundation, said seal bead and mud sill being secured to the foundation by the legs of said L-shaped bolts, the inner lower corner of said seal bead being cut-off on an angle, corking gum plaster cement disposed between said seal bead and foundation to seal said opening formed by cutting off of the inner lower corner of said seal bead, the upper edge of said foundation being cut off at an angle between the upper surfaces thereof and the adjacent wall of said notched out portion, and a sealing filling of plastic cement disposing in said opening thus formed and spread over the upper surface of the foundation prior to placing the mud sill in position thereon.

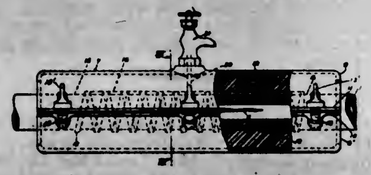
2,483,081
NATURAL GAS BLOWTORCH
James A. Wrigley, Leavenworth, Kans.
Application March 22, 1946, Serial No. 656,264
1 Claim. (Cl. 158—27.4)

A blow torch including a T-shaped head having its opposite ends and the end of its stem portion externally threaded, said head being formed with a longitudinal internally threaded bore extending through one of the ends and an axially aligned elongated reduced gas bore extending through the opposite end thereof and in communication with said threaded bore, a needle valve threadably supported in said internally threaded bore for controlling the gas flow through said gas bore, a packing gland about said needle valve threadably supported upon the head opposite the gas bore, an operating hand wheel on the outer end of said needle valve, said stem portion of the head being axially bored and connected with the longitudinal bore in said head, the lower end of said stem portion being formed with an enlarged bore in its end forming

a circumferential seat at its inner end about the axial bore therethrough, a gas supply pipe disposed in said enlarged bore seated on said seat, a packing gland threaded on said stem about said gas supply pipe, a supporting handle disposed on said gas supply pipe, a perforated blow tube threadably and adjustably supported upon the threaded end of said head, said blow tube being formed with oppositely disposed elongated circumferential air inlet slots each extending nearly halfway about said tube at its inner end at the outlet or discharge end of said gas bore, and the effective air supply entering through said circumferential slots being controllable by the rotation and longitudinal movement of the blow tube upon said head.



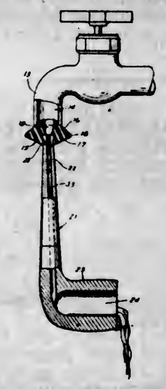
2,483,082
REPAIRING WATER PIPES AND EQUIPMENT FOR USE THEREIN
Thomas Nicholas Young, Epsom, and Eric Guy Brian Gledhill, Sutton, England, assignors to Frees-Seal Equipment Company Limited, New Malden, England, a British company
Application November 26, 1945, Serial No. 630,908
In Great Britain December 18, 1944
10 Claims. (Cl. 138—97)



1. A method of stopping the flow of liquid through a pipe to permit removal and replacement of a damaged portion of said pipe, which consists in initially reducing the flow of liquid through the pipe to a controlled trickle which escapes as a drip at a point intermediate the ends of the pipe, and then freezing the water within a section of the pipe upstream with respect to the point of escape of the drip to thus form an ice plug within said section which completely stops the flow of liquid through the pipe.

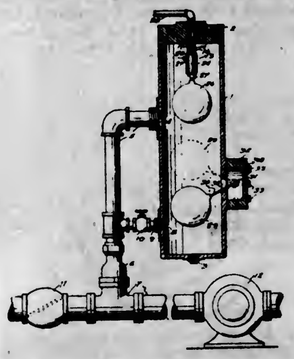
8. Apparatus for use in a process for stopping the flow of liquid through a pipe to permit removal and replacement of a damaged portion of said pipe which portion has a hole therein, comprising a member surrounding the portion of said pipe having the hole therein, said member having end portions adapted for sealing contact with the outer surface of said pipe and having an intermediate portion adapted with the outer surface of said pipe to form a passage for the flow of liquid from said hole, and an adjustable drip cock mounted on said member and having a valve controlled discharge passage communicating with said intermediate portion of said member for controlling the escape of liquid from said hole.

2,483,083
TOBACCO PIPE CLEANING DEVICE
John W. Bentley, Chicago, Ill.
Application July 27, 1946, Serial No. 686,792
12 Claims. (Cl. 285—2)



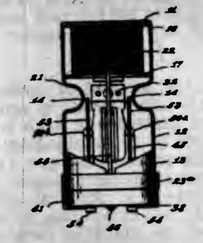
1. A pipe cleaning device comprising, a plug made of resilient material and provided with a peripherally cylindrical central portion having reduced upper and lower portions contiguous to opposed surfaces of the said cylindrical central portion, and an axial bore therethrough terminating in an elongated recess adapted to receive and to retain frictionally removably and interchangeably the tips of pipe mouth-pieces.

2,483,084
PUMP CONTROL DEVICE
Nolan H. Callahan, Alice, Tex.
Application November 5, 1945, Serial No. 626,705
4 Claims. (Cl. 103—26)



2. In an automatic air release for oil pipe lines having a motor driven pump installed therein, in combination, an air and oil receptacle having inlet and outlet communications with the said pipe line, a float actuated air outlet valve in the top of the said receptacle adapted to be closed by oil entering the receptacle through both of the said communications, and a float actuated switch associated with the said receptacle adapted to be operated to stop the said pump as oil is discharged from the said receptacle through the said outlet communication.

2,483,085
VIBRATOR
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application April 27, 1944, Serial No. 532,962
13 Claims. (Cl. 200—90)



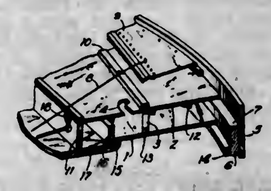
7. A vibratory electric motor of all-welded construction which comprises a generally U-shaped ferromagnetic frame, a driving coil with a pole-piece mounted within said frame, a pair of clamping pieces welded between the ends of the legs of said frame holding a vibratory member welded thereto and having its free end extending into cooperative position with said pole-piece, a pair of spring arms respectively secured to the opposite faces of said vibratory member and extending away therefrom, an auxiliary spring arm secured in a slot in said vibratory member, vibratory contacts mounted on all of said spring arms, a back plate secured to said clamping pieces, and relatively fixed contacts percussion-welded to resilient supporting wires projecting from said back plate adapted to cooperate with said vibratory contacts to open and to close a plurality of electrical circuits including that of the driving coil whereby said vibratory member will be maintained in continuous vibration.

2,483,086
DRIVER CONTACT VIBRATOR
Charles F. Coake, Indianapolis, Ind., assignor to Senn Corporation, New Augusta, Ind., a corporation of Indiana
Application December 20, 1944, Serial No. 569,033
6 Claims. (Cl. 172—126)



1. A vibratory interrupter comprising in combination a principal reed having an elongated longitudinal slot therein, a pair of auxiliary reeds of inverted T-shape having their transverse portions respectively mounted on said principal reed and having their longitudinal portions extending into and displaceable through said slot, one of said auxiliary reeds bearing a driver contact and the other ending short of said contact, and electromagnetic means under the control of said driver contact for maintaining said principal reed in vibratory motion, the shorter one of said auxiliary reeds constituting a stop finger substantially preventing vibration of the other auxiliary reed when the principal reed moves in driver circuit-opening direction but being substantially ineffective to prevent vibration of the longer auxiliary reed when the principal reed is moving in the opposite direction whereby the driver contact will lag behind the principal reed during the return swing thereof and will reduce the period during which the driver circuit is closed below one-half cycle.

2,483,087
RESONATING CHAMBER CONSTRUCTION FOR PIANOS
Herbert O. Crippen, Sr., Chicago, Ill.
Application June 4, 1947, Serial No. 752,489
4 Claims. (Cl. 84—189)



1. A piano having a sound board, tensioned strings on the front side of said sound board, a case or frame extending around said sound board and supporting the same, said frame extending laterally from the sound board beyond the back side thereof so as to cooperate with the sound board to form a recessed area, a closure panel for said recessed area secured directly to said case in spaced relation to said sound board, said closure panel cooperating with said case and sound board to form a resonating chamber, said resonating chamber being provided with a sound opening communicating with the interior of said chamber.

2,483,088
TENSIONING DEVICE FOR PRODUCING A LINEAR PULL
Hugh De Haven, New York, N. Y.
Application June 20, 1946, Serial No. 678,127
7 Claims. (Cl. 254—93)



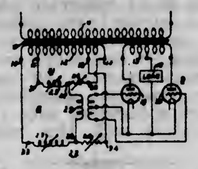
1. A tensioning device for producing a linear pull comprising an outer tube of strands woven on the diagonal to form a plurality of helices, an expansible substantially gas-proof inner tube confined within said outer tube, a source of gaseous pressure within said inner tube comprising a charge of ignitible gas producing material, means for igniting said material, and attaching means on the ends of the outer tube.

2,483,089
HEAD SPACE MICROMETER GAUGE
Hiram P. Ferguson, Portland, Oreg.
Application July 22, 1948, Serial No. 40,102
5 Claims. (Cl. 33—163)



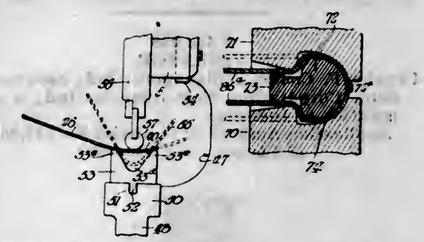
4. A micrometer gauge for measuring the headspace of the cartridge chamber of firearms, comprising a circumferentially calibrated barrel having a threaded axial bore, a micrometer screw having external threads formed thereon proportioned and arranged to engage the threaded bore of said micrometer barrel for longitudinal movement relative thereto, longitudinal calibrations on said micrometer screw registering with the calibrations on said barrel, the threaded end of said micrometer screw being slotted longitudinally having an axial bore therein, a portion of said bore being tapered outwardly toward the end of said micrometer screw, the remaining portion of said bore being threaded, and a tapered adjustment screw threaded in the axial bore of said micrometer screw for adjustably securing the micrometer barrel and screw together in selected positions, said gauge having the shape of the cartridge designed for said firearm.

2,483,090
PHASE SHIFT CONTROL SYSTEM
John L. Fuller, Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company, a corporation of Ohio
Application March 26, 1945, Serial No. 584,985
6 Claims. (Cl. 323—123)



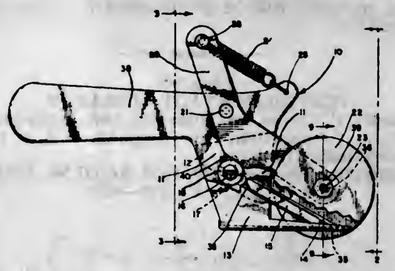
1. An electrical system for operating an electrical device having first and second elements requiring a voltage phase shift therebetween, said system comprising a transformer having a winding with at least one end terminal, an intermediate terminal and a third terminal, said transformer energizing said first element of said electrical device, a first circuit having a reactive element and a resistive element connected in series, a second circuit having a reactive element and a resistive element connected in series, at least one of said reactive and resistive elements being variable, said first and said second circuit each having an output connection at the juncture of said reactive and resistive elements for supplying a voltage shiftable in phase relative to said transformer winding to said second element of said electrical device, means for connecting said first circuit across said end terminal and said third terminal of said transformer winding, and means for connecting said second circuit across said intermediate terminal and a transformer winding terminal having a potential relative to said end terminal at least as large as said third terminal.

2,483,091
METHOD OF MAKING THERMIC SIPHONS
Raymond E. Glos, Freeport, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application April 5, 1945, Serial No. 586,896
1 Claim. (Cl. 152—3)



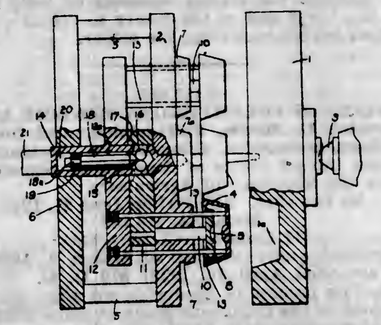
The steps in the method of making a firebox thermic siphon which consists in providing a flat patterned metal plate blank with a three sided wing on each side of its longitudinal medial line, each wing having an end edge and two side edges disposed at other than right angles to said line, bending over marginal portions of each wing along each of its two side edges in one direction from one side of the blank to form flanges projecting from the corresponding side of the blank, bending the blank along said medial line to cause the flanged sides of both wings to swing toward each other into relatively inclined planes and then moving parts of said wings spaced outwardly from said line into parallel relation while operating upon portions of said blank along said line to form the same into a bulge for the bottom of said body and prior to so bending the blank along said line bending over a margin of each wing along the end edge thereof to later form outwardly extending top end flanges for the finished siphon.

2,483,092
CANVAS CUTTER AND BUTT JOINER
Reynold E. Hanke, Chicago, Ill.
Application September 8, 1948, Serial No. 48,289
6 Claims. (Cl. 30—294)



1. Canvas cutter and butt jointing means comprising, handle means terminating in a downwardly depending slotted guide shoe holding portion, guide shoe means having one end thereof secured in the said slotted guide shoe holding portion and terminating in a channelled toe portion, knife blade means secured in angular relationship in the said slotted guide shoe holding portion and the said channelled toe portion, bifurcated roller support means pivotably secured to the said handle means, guide rollers rotatably secured to the lower terminus of said bifurcated roller support means astraddle the said knife blade means, spring means interconnecting the said handle means and the free end of the said bifurcated roller support means adapted to hold said guide rollers in a firm and close contact with the work, screw and wing nut means securing the said guide shoe means and one end of the said knife blade means, and washer means secured adjacent the head of said screw and wing nut means, the said bifurcated roller support means being provided with a stop portion to limit the downward movement thereof.

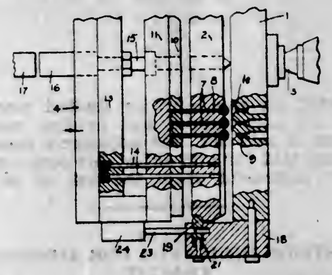
2,483,093
STRIPPING AND KNOCKOUT MECHANISM FOR MOLDING DIES
Wilfred G. Harvey, Leominster, Mass.
Application May 6, 1946, Serial No. 667,508
6 Claims. (Cl. 18—42)



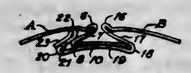
5. A mechanism of the class described comprising, in combination, cooperating dies for the production of molded articles, a first one of said dies being movable relative to a second die, a stripper plate and a knockout plate both carried at one side of said first die, pins carried rigidly upon each of said plates and being slidably mounted within said first die, locking means carried by said knockout plate for spacing said plates apart from each other, said plates being initially spaced from said first die and being movable with said first die a predetermined distance as said dies initially open, a stop stationary with respect to the movable die, arresting means engageable with said stop for holding said plates stationary as said first die upon a further predetermined movement moves towards engagement with said stripper plate thereby to dislodge the casting from said first die, and means carried by said first die and rendered effective by a final predetermined movement of said first die for releasing said stripper plate from said locking means so that said stripper plate may move in synchronism with said first die towards said knockout plate thereby to separate the casting from said pins.

2,483,094
STRIPPING AND KNOCKOUT MECHANISM FOR MOLDING DIES
Wilfred G. Harvey, Leominster, Mass.
Application November 23, 1946, Serial No. 712,004
4 Claims. (Cl. 18—42)

4. A die set for the production of molded articles comprising, in combination, a normally stationary die, an operating member for moving toward and away from said stationary die, a movable die carried by said operating member so as to be shiftable to a limited degree relative to and in the direction of movement of said operating member, a core carrier rigidly mounted upon said operating member between said latter element and said movable die with the core pins thereof slidably passing through said movable die, a knockout pin carrier mounted upon said operating member between said latter element and said core carrier so as to be shiftable to a limited degree relative to and in the direction of movement of said operating member and with the knockout pins thereof slidably passing through said core carrier and said movable die, means carried by said stationary die for releasably engaging said movable die whenever the latter die is in the close vicinity of said stationary die thereby to cause relative movement between said movable die and said operating member as the latter moves toward and from said stationary die, and means carried by said knockout pin carrier for engaging a positive stationary stop when said operating member reaches the end portion of its movement away from said stationary die thereby to cause relative movement between sad operating member and said knockout pin carrier.



2,483,095
LOCK SEAM
James J. Ingels, Chicago, Ill.
Application April 9, 1947, Serial No. 740,457
3 Claims. (Cl. 138—74)



1. A sheet metal structure comprising two interlocking edge portions one of which is formed into a dovetail channel having side sections converging outwardly from a relatively flat base and the other of which is formed into an angle head adapted for tensioned interfitting with the channel and, dimensioned to exert pressure against the converging side walls of the channel and spreading the same and arching upwardly the base thereof into compressing engagement with the angle head and tensioning the same, whereby the channel and the head are held against relative movement.

2,483,096
BORING TOOL
Joseph F. Jaworowski, Cleveland, and Norbert Jaworowski, Lakewood, Ohio
Application September 16, 1946, Serial No. 697,284
6 Claims. (Cl. 279—5)

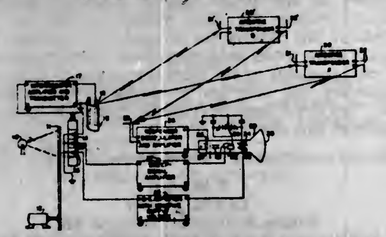
2. A tool holder comprising a sleeve having a cylindrical bore extending therethrough, a yoke member having spaced legs disposed within said bore and a shank portion extending in the op-

posite direction from said legs, means for securing said legs of said yoke against axial movement in said bore of said sleeve, a pin extending between the legs of said yoke, a tool holder bar



supported on said pin for limited movement about the axis thereof, tool holding means at one end of said bar, and adjustable means for engaging said bar and adjustably securing same against movement about the axis of said pin.

2,483,097
POSITION INDICATOR FOR AIRBORNE TRAFFIC
Knox McIlwain, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 12, 1946, Serial No. 696,593
6 Claims. (Cl. 343—11)



1. A position indicator for airborne traffic comprising: receiving means located at a predetermined point for receiving during spaced time intervals from aircraft which are in flight and located exclusively in a given direction from said point information indicating their respective ranges and information transmitted from said aircraft indicating their respective heights; a display surface; means for scanning said surface during each of said time intervals effectively to provide on said surface a series of relatively widely spaced parallel lines such that each line thereof distinctively represents a predetermined height or flight level for said aircraft; and control means responsive to said received information for so controlling said scanning means during said each time interval that there are formed on said surface visual indications of said respective ranges by displacements of said indications along said lines and visual indications of said respective heights by the lines on which each of said indications appears.

2,483,098
SUPPLYING AGENTS TO THE DIGESTIVE TRACT
Everett L. Millard, Highland Park, Ill.
Application January 9, 1946, Serial No. 640,029
1 Claim. (Cl. 128—1)

In apparatus for furnishing reactive and action-producing agents in the form of perforated pellets to the digestive tract, a tether to extend from the mouth down the gullet, a clasp attached to the upper end of the tether of a size

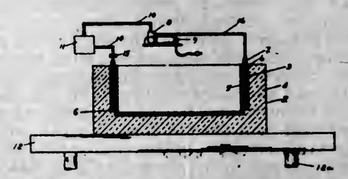


to snugly engage at least one tooth, and a bead of material not readily attacked by body fluids at the lower end of the tether to retain on the tether pellets encircling the tether.

2,483,099
ESTERS OF POLYHYDROXY-BENZOIC ACIDS
Steward G. Morris, Philadelphia, and Roy W. Riemenschneider, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 21, 1946, Serial No. 678,188
11 Claims. (Cl. 260—473)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of producing an alkyl ester of an acid of the group consisting of gallic acid and protocatechuic acid which comprises reacting a compound of the group consisting of galloyl chloride tribenzyl ether and protocatechuic acid chloride-dibenzyl ether with a primary monohydric alcohol and de-benzylating by subjecting the resulting ester to catalytic dehydrogenation.

2,483,100
METHOD AND APPARATUS FOR CHILLING CONTAINERS
Willard L. Morrison, Lake Forest, Ill.
Application April 26, 1946, Serial No. 665,183
3 Claims. (Cl. 62—170)



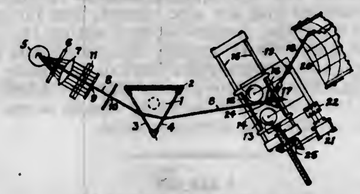
1. The method of preparing food and the like for shipment and storage, which consists in providing an insulating receptacle, placing therein a removable food container, of such size as to leave a substantial clearance between the inner walls of the receptacle and the outer walls of the container, inserting liquid tight heat-extracting means in and substantially filling said clearance, continuing the extraction of heat until the temperature of the interior of the receptacle and the container contents has been reduced to an adequately low temperature, then removing the heat-extracting means and closing the receptacle and container for shipment and storage and preventing free circulation of ambient air about the food container.

2,483,101
HAT WITH REPLACEABLE SWEATBAND
George C. Nelms, Pittsburgh, Pa., assignor, by mesne assignments, to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 14, 1947, Serial No. 785,851
5 Claims. (Cl. 2—181)



2. In a hat having a head-encircling side wall, the combination of a liner band extending around the inner surface of said wall and having a wide portion attached at its upper edge to the wall and also having a narrow portion extending from the lower edge of said wide portion part way up its outer surface, a head-engaging strip extending around the inside of the liner band, and a locking member attached to the lower edge of said strip and extending up between said wall and liner band and then down between said wide and narrow portions of the band to removably connect said strip to said band.

2,483,102
REFRACTOMETER EMPLOYING PHOTOSENSITIVE DEVICES AND USE OF THE SAME
Robert M. Pierson, Hudson, Ohio
Application May 2, 1945, Serial No. 591,468
18 Claims. (Cl. 346—32)



1. The process of utilizing changes in the refractive index of a fluid for control purposes which comprises collimating beam of monochromatic light, passing the collimated beam through the fluid and causing the emergent beam to fall in the space between two surfaces adapted for utilization of the light energy impinging thereon, which space in the direction of lateral travel of the beam is not substantially wider than the width of the beam, and as a change in the refractive index of the fluid causes the beam to move from the space to one of the surfaces, causing both surfaces to move in the direction the beam has moved so that the beam again falls in the space between them.

7. Apparatus for the utilization of changes in the refractive index of a fluid which comprises a hollow prism adapted to contain the fluid, the prism having faces transparent to radiant energy, two surfaces adapted for utilization of the light energy impinging thereon, each connected to amplifying means and other means adapted to move both surfaces in the direction of either surface as light falls thereon, and a source of a beam of monochromatic light and means for collimating the light, the pieces of equipment being arranged so that a beam from said source falling on the prism is refracted so as to fall approximately in the space between the surfaces.

2,483,103
MAGAZINE PENCIL
Rinaldo Raimondi, Zurich, Switzerland
Application July 28, 1945, Serial No. 607,562
In Switzerland June 16, 1944
1 Claim. (Cl. 120—14.3)



In a mechanical pencil, a casing provided with a plurality of longitudinal lead storing chambers, a barrel extending slidably and rotatably through the entire length of said casing and having a manually operable button fixedly attached to one end thereof while the other end of the barrel is formed to constitute a lead gripping pincer with a rearwardly tapered exterior engaging a complementary tapered bore in the adjacent end of the casing, said button extending into the other end of the casing and being axially movable and rotatable therein, coupling means within said casing and comprising an annular bearing member with coupling teeth fixed to said casing and another annular coupling member having coupling teeth axially slidably mounted on said barrel but rotatable therewith, a compression spring between said button and said last named coupling member to urge the latter in engagement with the first coupling member and to maintain the button normally in an extended position in which the lead gripping pincer is urged into the tapering bore of the casing to grip a lead held by said pincer, said barrel being provided with an axially extending slot adapted to be positioned upon rotation of the button into registration with any one of said lead storing chambers of the casing, a tube provided with an axially extending slot and a helical slot rotatably mounted on said barrel and extending from a bearing shoulder in the tip end of the pencil to the annular bearing member which is fixedly attached in said casing, and a projection on said barrel extending into said helical slot to effect a rotative movement of said tube when said button is depressed, whereby the axially extending slot in said tube is brought into registration with the axially extending slot in said barrel.

2,483,104
FILTER FOR COFFEE MAKERS
Ludwig Reichold, Winsted, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application March 28, 1945, Serial No. 585,276
3 Claims. (Cl. 210—162)

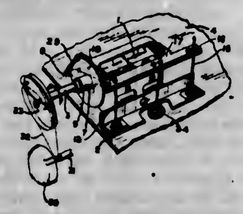
1. For a coffee maker of the character described having a stem depending therefrom, a filtering device comprising a disc-shaped member

having an aperture extending therethrough, a bar extending through said aperture and slidably secured to said disc-shaped member, said bar having an abutment for securing the same to said disc-shaped member, teeth in the edge of said bar, a wire spring for resiliently anchoring said



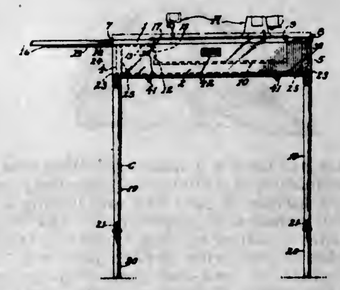
member in filtering position, a hook depending from the said spring for anchoring the same to the bottom of said stem, and a plurality of turns on said spring adapted to be engaged with said teeth for adjustably securing the spring to the bar to accommodate stems of different lengths.

2,483,105
COMBINED INDUCTANCE AND CAPACITY TUNER
John L. Rennick, Elmwood Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 2, 1945, Serial No. 620,088
1 Claim. (Cl. 171—119)



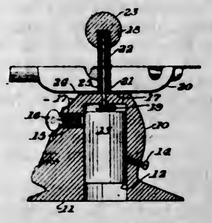
A tuning device including a frame member, a shaft member rotatably mounted on said frame member, a cam member fixedly mounted on said shaft member, a carriage member pivotally mounted on said frame along an axis of said carriage and having portions extending on either side of said axis, a further member formed on one of said portions and adapted to coact with the edge of said cam, an inductance coil having a longitudinally movable core member mounted therein, a longitudinally inextensible and laterally flexible connecting element coupling said core to the other of said portions, spring means for biasing said carriage about said axis in a direction to urge said further member against the edge of said cam and to cause said last mentioned portion to describe an arc moving said core longitudinally in said inductance to a certain position by means of said connecting element, whereby rotation of said shaft causes said last mentioned portion to describe further said arc and said core to move in substantially a straight line within said inductance.

2,483,106
PACK-AWAY TABLE FOR PORTABLE SEWING MACHINES
Joseph F. Santley and Frances T. Santley, San Francisco, Calif.
Application August 6, 1946, Serial No. 688,648
3 Claims. (Cl. 311—14)



2. A pack-away table for portable sewing machine comprising a rectangular top having an opening therein for receiving the base of a portable sewing machine, two side and two end aprons secured to the sides and ends, respectively, of the top, a pair of partitions paralleling the side aprons and being spaced therefrom and from each other, a bottom closure extending between the partitions and the end aprons to form a central compartment with access thereto through the top opening, hinged side members for closing the side compartments formed by the partitions and the side aprons, legs for supporting the table, means disposed within the side compartments for removably supporting the legs in operative position when the side members are opened and expose the means, the legs when removed from the leg supporting means being receivable in the side compartments.

2,483,107
ILLUMINABLE NOVELTY
Andrew G. Sharp, Pittsburgh, Pa.
Application April 20, 1948, Serial No. 22,321
8 Claims. (Cl. 240—6.4)



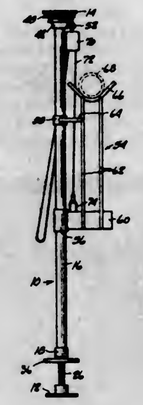
1. In a novelty of the character described, the combination of a body formed of dielectrical material, said body being provided with a base portion for supporting the body and said body being also provided with an internal cavity in which a dry battery may be mounted and at least one socket extending from without said body and communicating at its inner end with the battery cavity, said socket being arranged to receive an electric bulb with the central contact of the bulb

maintained in electrical contact with the shell contact of the battery, a post protruding upward from the battery cavity through the top of the body, the lower end of the post being maintained in electrical contact with the central contact of the battery, electrical conductive means lining the interior wall of the socket, to maintain electrical contact with the shell contact of the bulb when the latter is in position in the socket, and extending from the outer end of the socket up along the front end of the body and on the top of the latter but out of electric contact with the post, and a tubular sleeve surrounding the post but normally out of electric contact therewith but maintained in electrical contact with said electrical conductive means, said sleeve being arranged to be tilted into electrical contact with said post and thus complete the electric circuit between the battery and bulb and light the latter.

2,483,108
DETERMINATION OF CHROMIUM COMPOUNDS IN GASEOUS ATMOSPHERES
Leslie Silverman, Dover, Mass., and John F. Ege, Jr., Baltimore, Md.
No Drawing. Application June 19, 1947, Serial No. 755,720
4 Claims. (Cl. 23—254)

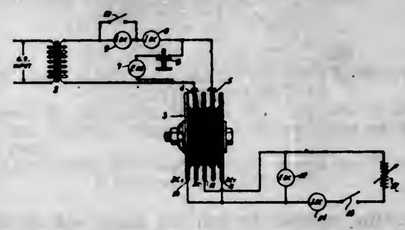
1. Means for colorimetric determination of hexavalent chromium comprising absorbent paper impregnated with s-diphenylcarbazide and a solid stabilizer which is non-volatile and solid at ordinary temperatures and pressures of the group consisting of aromatic acids, their anhydrides, and alkali metal salts having an acid reaction when dissolved in water.

2,483,109
LIFTING DEVICE OR ELEVATOR
Chester J. Smith, Mishawaka, Ind.
Application August 30, 1946, Serial No. 693,979
8 Claims. (Cl. 214—95)



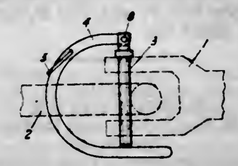
1. In combination, a rigid portable upright standard, a work holder shiftable longitudinally on said standard, means carried by said standard for raising and lowering said work holder, said work holder including a pair of horizontal jaws each pivoted about a vertical axis, a two-part annular bearing plate supported on said jaws, and means for anchoring each part to the pivot jaws.

2,483,110
RECTIFIER TREATMENT
George W. Smith, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 2, 1945, Serial No. 626,402
3 Claims. (Cl. 175—366)



1. The method of lowering the resistance of dry disc magnesium-copper sulphide rectifiers into which there is lacquer and paint seepage which comprises subjecting said rectifier to a high current treatment to remove such lacquer and paint.

2,483,111
SELF-LOCKING HITCH PIN
Ames La Clair Spillman, Charlotte, Iowa
Application April 22, 1946, Serial No. 664,212
2 Claims. (Cl. 280—33.15)

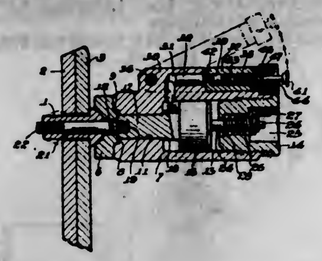


2. A hitch pin for connecting a tractor and a drawn vehicle comprising a pin, said pin having a groove formed therein near the upper end thereof whereby to result in a body, a head, and a cylindrical neck connecting them, a generally U-shaped latching member, and a connecting unit having pivotal connection to each of them, the connection between the pin and the connecting unit being such that the connecting unit may turn in a horizontal direction, and the pivot connecting the latching member and the connecting unit being arranged at substantially a right angle to the pivot between the pin and the connecting unit.

2,483,112
EXPLOSIVELY ACTUATED BLIND RIVETING APPARATUS
Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware
Application January 21, 1948, Serial No. 3,600
19 Claims. (Cl. 218—19)

1. An explosively actuated tool for upsetting the inner end of a blind hollow rivet, comprising a frame having a front end adapted to engage the head of the rivet, the frame being provided with a barrel and with a bore connecting the front end of the barrel with the front end of the frame, a piston in said barrel, an upsetting member connected to the piston and adapted to extend through the rivet and be connected to its inner end, said frame being provided with a cartridge-receiving chamber communicating with the front end of the barrel, and firing means mounted on said frame for detonating a car-

tridge in said chamber, whereby the piston will be driven backward in the barrel to cause said

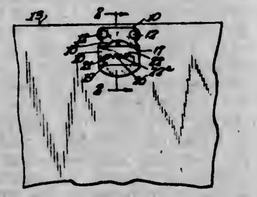


upsetting member to pull the inner end of the rivet toward its head and thereby upset said inner end.

2,483,113
COATING MATERIAL
Frederick G. Terwilliger, Cleveland Heights, Ohio
No Drawing. Application June 13, 1946, Serial No. 676,585
8 Claims. (Cl. 106—245)

2. As a new article of manufacture, a composition bowling ball coated with a thin film of a mixture of from 90% to 99% of a micro-crystalline wax of petroleum origin having a melting point between 150° F. and 175° F. and from 10% to 1% of a liquid fat.

2,483,114
HANGER DEVICE
Edgar H. Van Schoor and Delbert Joost, Chicago, Ill.
Application September 25, 1946, Serial No. 699,280
2 Claims. (Cl. 248—29)



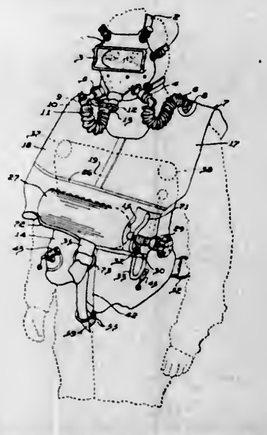
1. A device for the hanging support of a panel-like member from a coacting hook on an upright wall and embodying therein a bracket-like clip having an upper end portion adapted for attachment to the back of said panel-like member, a second portion connected by an inside corner to and extending outwardly at an angle from the bottom of the first portion and a third portion which is connected by an outside corner to said second portion and extends in a generally downward direction therefrom and is formed at its bottom end for engagement with said upright wall to space said panel-like member therefrom, said second portion having an opening therein for the passage of a part of said hook therethrough and said third portion being formed to provide a downwardly facing edge below said outer corner and which edge has therein at least one notch for engagement by a second part of said hook when the first mentioned part of said hook extends through said opening in said second portion of the clip.

2,483,115
IGNITION DISTRIBUTOR
Alexander C. Wall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 21, 1945, Serial No. 630,069
8 Claims. (Cl. 200—26)



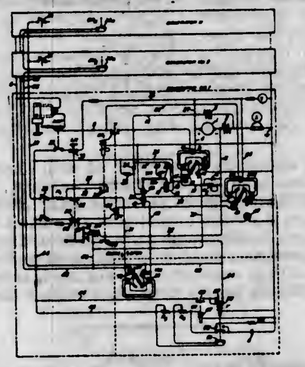
1. In a switching device for successively closing a plurality of contacts, a circular track having an inner insulative wear-resistant surface, a rotatable contact assembly comprising a roller centralized with respect to said track adapted to travel on said wear-resistant surface, a spring member for urging said roller into engagement with said surface, and a plurality of contact sets spaced at equal intervals around the track on opposite sides thereof, each set comprising a pair of resilient contact members disposed at opposite sides of the track, each contact member having an arcuate portion adjacent and at substantially the same level as the track for engagement with said roller as it rotates around the track.

2,483,116
UNDERWATER BREATHING APPARATUS
Oscar D. Yarbrough, Washington, D. C.
Application October 31, 1946, Serial No. 707,016
8 Claims. (Cl. 128—142)



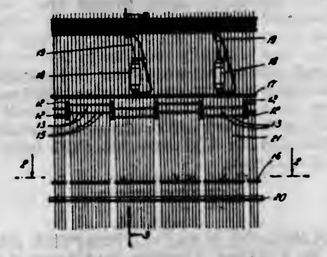
1. In a self-contained breathing apparatus of the character described, a breathing bag divided by a central seam extending lengthwise thereof into inhalation and exhalation portions, the bag being provided at one end of the seam with a passage connecting said portions, and an air purifying canister mounted in said passage so that all exhaled air passes through said canister before inhalation.

2,483,117
PROTECTIVE ARRANGEMENT FOR ELECTRIC POWER SYSTEMS
George W. Almassy, Burbank, Calif., assignor to General Electric Company, a corporation of New York
Application April 21, 1948, Serial No. 22,357
8 Claims. (Cl. 171—312)



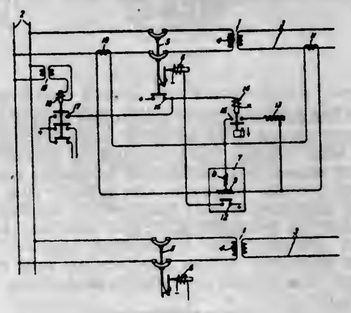
1. In a power system having a plurality of electric generators adapted for parallel operation and interconnected by an equalizing bus, a protective arrangement comprising voltage responsive means operable upon the occurrence of an excessive system voltage for sensing such voltage, current responsive means operable in response to current flowing in said equalizing bus in a predetermined direction for selecting the one or more of said generators generating excessive voltage, and means operable in response to operation of both said voltage and said current responsive means for disconnecting from the system the one or more of said generators generating excessive voltage.

2,483,118
METHOD FOR DISTRIBUTING WARP THREADS IN CIRCULAR LOOMS
Victor Marie Joseph Ancet, Lyon, France, assignor to Regina S. A., Tangiers, Morocco
Application June 3, 1948, Serial No. 30,895
In France June 6, 1947
2 Claims. (Cl. 139—16)



1. In a loom having beams supplying warp threads, the combination of reciprocating radial slides disposed in pairs one above the other, inner and outer harness rods connecting adjacent slides in the same level, heddles mounted on the harness rods between adjacent slides and having eyes for guiding the warp threads, and a plurality of separate thread distributing elements arranged in a circular sequence around the loom axis and acting on the warp threads passing to the heddle eyes, each element being aligned with a space between adjacent pairs of slides and having guide openings for the individual threads passing to the heddles in said space, the length of each distributing element being less than the length of said space.

2,483,119
MEANS FOR DESENSITIZING DIFFERENTIAL PROTECTIVE SYSTEMS
Ames W. Bateman, Manoa, Pa., assignor to General Electric Company, a corporation of New York
Application February 9, 1949, Serial No. 75,438
6 Claims. (Cl. 175—294)



1. In a differential protective arrangement for a transformer having a winding connected to a supply circuit by a circuit interrupter, means for desensitizing the protective arrangement for a predetermined time when the winding is excited in response to either the closing of the circuit interrupter or the reenergization of the supply circuit while the circuit interrupter is closed comprising a desensitizing circuit for the differential protective arrangement, a time delayed dropout relay having contacts in said desensitizing circuit which render said desensitizing circuit operative while said relay is in its energized position, a relay responsive to the voltage of said supply circuit and having contacts which are closed when said supply circuit voltage is below a predetermined value, contacts controlled by said circuit interrupter so that they are opened when said circuit interrupter is closed, and an energizing circuit for said dropout relay including said voltage relay contacts and said circuit interrupter controlled contacts so connected therein that said energizing circuit is completed when any of said contacts connected therein are closed.

2,483,120
ELECTRIC LAMP SOCKET
George B. Benander, Oaklawn, R. I., assignor to Monowatt Incorporated, a corporation of Connecticut
Application December 24, 1946, Serial No. 718,166
1 Claim. (Cl. 200—51.17)

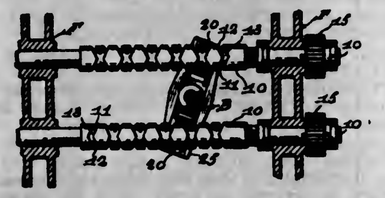
A lamp socket comprising a combination, a casing split longitudinally to provide complementary casing parts, walls in the casing parts defining within the casing a lamp contact chamber, a wiring chamber and a switch chamber, a first contact element comprising an integral spring contact strip having one of its ends positioned in the center of the lamp contact chamber and adapted to contact the center contact of a lamp and its other end positioned in the switch

chamber and forming a switch contact, a second contact element comprising an integral member having a screw shell portion positioned along the side of the lamp contact chamber and adapted to contact the screw contact of a lamp, said second contact element having another portion extending into said wiring chamber and forming a wiring end, a third contact element comprising an integral contact strip having one end positioned in the wiring chamber and forming a wiring end and having its other end forming a second



switch contact and being positioned in said switch chamber spaced from said first named switch contact, said casing walls having a plurality of notches spaced and positioned to receive portions of said contact elements, the latter being positioned edgewise in said notches for holding said elements in position, a switch member in the switch chamber for connecting together said switch contacts, means for moving said switch member, and means for holding said casing parts together.

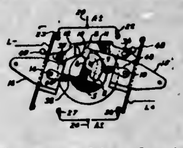
2,483,121
PRESS BED DRIVE
Joseph Cyrille Emile Bourassa, Montreal, Quebec, Canada
Application May 3, 1946, Serial No. 667,040
In Canada May 26, 1945
2 Claims. (Cl. 74—58)



1. As driving means for the bed of a printing press, a pair of spaced parallel cross-thread screws, means for synchronously rotating said screws, shoes engaged in the threads of the screws, a swing-bar centrally pivoted to the bed of a press, and means for slidably supporting the shoes in the ends of the swing bar.

2,483,122
CIRCUIT CONTROLLING DEVICE
George W. Bower, Harbor Creek, Pa., assignor to General Electric Company, a corporation of New York
Application February 19, 1946, Serial No. 648,761
2 Claims. (Cl. 200—52)

1. A reversing switch arranged for mounting on a railway generator said switch comprising a shaft extension for said generator, a rotatable member mounted on said shaft extension and arranged for rotation therewith, a one-piece gravity functioning weight pivoted on said rotatable member eccentrically with respect to the center of said shaft extension, said weight comprising an integrally formed pair of operating fingers arranged in offset operating planes and a mass adapted at high speeds of rotation of said shaft extension to move outward with respect to said shaft extension center thereby holding said fingers inward with respect to said center, an additional weight secured to said shaft extension and arranged to counterbalance said first-mentioned weight, a reciprocating carriage ar-



ranged above the assembly of said shaft extension, rotatable member and weights, said reciprocating carriage having a pair of shoulders each arranged for selective cooperation with one of said operating fingers, a pair of circuit controlling members arranged for positioning by said reciprocating carriage, and spring biasing means for positively positioning said circuit controlling means.

2,483,123
HUMBUCKING ARRANGEMENT FOR MAGNETIC TRANSDUCERS
Charles W. Clapp, Albany, N. Y., assignor to General Electric Company, a corporation of New York
Application November 2, 1944, Serial No. 561,559
5 Claims. (Cl. 179—100.2)



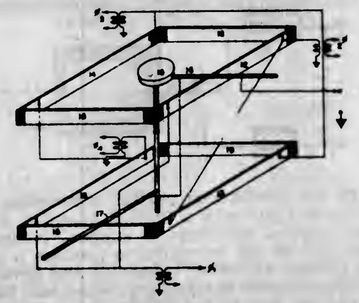
1. In a magnetic recording and reproducing head, a multi-section magnetic core comprising a plurality of sections in spaced relation defining a main air gap and a plurality of auxiliary air gaps symmetrically positioned about the axis of said main air gap, said sections adjacent said main air gap being formed to accommodate a traveling magnetic recording medium traversing said main gap, a divided winding including a pair of similar coils mounted upon said core on opposite sides of said main air gap with the axes of said coils in substantially parallel spaced relation, said coils being so proportioned and positioned that substantially equal and opposite voltages are induced therein by components of stray flux in a direction substantially parallel to the axes of said coils, and means for adjusting the reluctance of said auxiliary gaps so that substantially equal and opposite voltages are induced in each half of each said coil by components of stray flux substantially perpendicular to the axes of said coils in the plane of said core.

2,483,124
METHOD OF MAKING TERPENE RESIN
Frank W. Corkery, Crafton, and Samuel G. Burroughs, Pittsburgh, Pa., assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application July 6, 1948, Serial No. 37,305
6 Claims. (Cl. 260—93.2)

1. The method of making hard terpene resin polymers from alpha-pinene by treating the said alpha-pinene with fuller's earth having a pH

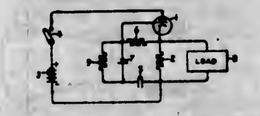
value of 5.5 to 6.6 inclusive which has been heat treated for from 5 to 30 minutes at a temperature of from 225° C. to 300° C. to bring the said alpha-pinene by molecular rearrangement to an A. S. T. M. D 611-46 T aniline point between 35° C. and 38.5° C. inclusive while controlling the reaction to a rate of aniline point drop no greater than 1.2° C. per hour, and effecting polymerization of said rearranged alpha-pinene by bringing the said terpene liquid in the presence of an inert solvent diluent for the polymers thereof into reactive contact with an acid acting metal halide catalyst selected from the group consisting of aluminum chloride and aluminum bromide, to form hard terpene resin polymers in solution, and recovering the terpene resin polymers so formed.

2,483,125
PHASE SHIFTING POTENTIOMETER
Robert L. Cummerow, New London, Conn., and Lincoln K. Davis, Brockton, Mass., assignors to the United States of America as represented by the Secretary of the Navy
Application June 13, 1946, Serial No. 676,402
1 Claim. (Cl. 323—121)



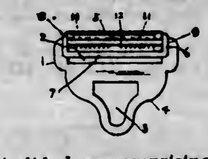
A four-phase potentiometer, comprising two squares of alternate resistance strips and insulating strips with said squares positioned in superimposing and matching relation, a shaft mounted centrally of said squares, a sliding arm for each square with said sliding arms mounted on said shaft at right angles to each other whereby only one of said sliding arms is on a corner of a square at any setting of said shaft, and connecting means between said resistance strips and between said sliding arms.

2,483,126
DELAY TIMER
Hugh H. Davids, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 10, 1946, Serial No. 661,019
4 Claims. (Cl. 175—320)



1. A time delay circuit comprising an electron discharge device having an anode, a cathode, and a control electrode, means for selectively applying a positive potential to said anode relative to a fixed reference point, a first impedance connecting said cathode to said reference point, a timing circuit connected across said first impedance, said timing circuit serially comprising a second impedance, said rectifier being poled to conduct in the direction towards said reference point, a discharge impedance connected across said rectifier, said control electrode being connected to a point on said timing circuit which is rendered negative with respect to said cathode in response to flow of charging current in said capacitor, the time constant of said timing circuit being such that application of said potential to said anode causes an increasing current to flow in said device until said capacitor charged to a predetermined maximum potential, a load device energized in response to rise in current in said first impedance above a predetermined minimum value, and means including said discharge impedance and the grid-to-cathode path of said device for discharging said capacitor at a predetermined rate upon interruption of said potential.

2,483,127
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application October 26, 1944, Serial No. 560,443
1 Claim. (Cl. 24—193)

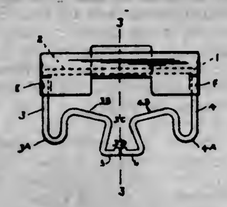


A two part slide loop comprising a sheet body part having a rectangular opening therethrough for the insertion of a strap, said opening being bounded by integral portions of said sheet body providing an upper bar and side bars; a series of teeth provided by said upper bar and depending therefrom downwardly within said strap opening; a tubular formation parallel with said series of teeth and provided by said upper bar; and a rectangular wire loop part of said slide loop, said wire loop having an upper bar and a lower bar each parallel one to the other and relatively connected at their ends by the wire side bars, said wire upper bar being rotatingly confined within said tubular portion of said sheet body part and said lower wire bar providing in one position an intermediate bar at the front of said opening and thus presenting itself along its length closely to said series of teeth so as to positively impinge therebetween a strap inserted from the rear within said opening above said intermediate bar, folded therearound and returned to the rear through said opening below said intermediate bar, the side bars of both slide loop parts being relatively engageable to prevent said intermediate bar passing rearwardly through said opening.

2,483,128
SLIDE LOOP BUCKLE
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application March 26, 1945, Serial No. 584,804
1 Claim. (Cl. 24—79)

A two part, slide loop buckle with a wire member having, in one plane, a cross bar and side bars depending therefrom at each end with the lower ends of the side bars brought together in a button receiving loop, a sheet stock member having a plane portion in juxtaposition to said wire member, lugs extending from opposite edges of

the lower part of the sheet member with each lug folded around an adjacent side bar for vertical sliding thereon and a portion of the lower edge of the sheet stock member being folded inwardly and upwardly to extend well above the cross bar



and form, the center of the plane portion, a U-shaped cradle of materially lesser width than the space between the side bars and curved to bear against a strap member to be folded below and around the cross bar.

2,483,129
SLIDE LOOP
George Henry Elwell, New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application June 14, 1945, Serial No. 599,476
2 Claims. (Cl. 24—163)



2. A slide loop, the physical combination of a slide and a button loop, comprising a wire frame having an intermediate cross-bar providing said frame with a fixed pair of strap loops in a common plane; a movable member having a cross-bar with depending side bars, the latter having terminal loops formed around an upper cross-bar of said frame; and a projection provided by one of said looped terminals for a blocking engagement with a side portion of said frame to limit the movement of said movable member out of said plane in order to provide for said movable member a strap passage for the vertical insertion of two plies of strap first having been looped around said intermediate cross-bar, a position of said frame and movable member in a common plane enabling the slide loop to be passed more safely through a washer wringer.

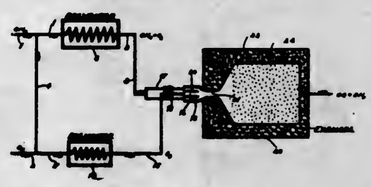
2,483,130
SiF_4-IMPREGNATED ALUMINA CATALYST AND PROCESS OF PREPARING IT
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application May 13, 1944, Serial No. 535,551, now Patent No. 2,425,463, dated August 12, 1947. Divided and this application January 23, 1947, Serial No. 723,899
6 Claims. (Cl. 252—441)

1. The method of activating an alumina catalyst which consists in subjecting the catalyst to contact with anhydrous SiF_4 at a temperature in the range of 70 to about 950° F. until the aluminum oxide absorbs from about 5 to 15% by weight of SiF_4.

2,483,131
SiF_4-IMPREGNATED SILICA-ALUMINA CATALYST
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application January 23, 1947, Serial No. 723,899. Divided and this application December 31, 1948, Serial No. 68,740
2 Claims. (Cl. 252—441)

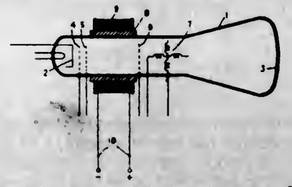
1. A catalyst effective for converting hydrocarbons at elevated temperatures which consists essentially of a silica-alumina complex containing at least 5% by weight anhydrous SiF_4, absorbed at a temperature within a range of about 70° F. to 950° F.

2,483,132
CONVERSION OF HYDROCARBON GAS INTO CARBON MONOXIDE AND HYDROGEN
Leon P. Gaucher, Mount Vernon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 21, 1946, Serial No. 649,291
15 Claims. (Cl. 48—196)



1. In the continuous partial combustion of a hydrocarbon gas with a limited quantity of molecular oxygen sufficient to support incomplete combustion of the reactants to produce a maximum amount of carbon monoxide and hydrogen, the method which comprises dividing said limited quantity of molecular oxygen into major and minor streams, combining said major stream with a hydrocarbon gas, thereby forming a mixture of hydrocarbon gas and oxygen, raising said mixture to an elevated temperature, raising said minor stream of oxygen to an elevated temperature, separately passing said heated streams to a combustion zone, mixing said streams as they enter said combustion zone and effecting partial combustion of hydrocarbon gas and oxygen into products comprising mainly carbon monoxide and hydrogen.

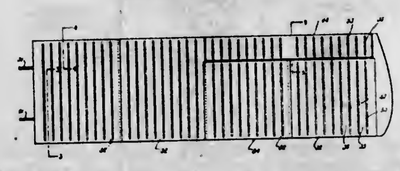
2,483,133
FOCUSING ARRANGEMENT FOR CATHODE-RAY TUBES
Richard B. Gethmann, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 13, 1948, Serial No. 8,053
3 Claims. (Cl. 250—161)



2. In a cathode-ray tube having a neck portion, a cathode, an accelerating electrode, and a cathode-ray beam focussing arrangement, said accelerating electrode being connected to a source of

unidirectional potential, said focussing arrangement comprising, in combination, a hollow cylindrical permanent magnet of uniform cross section having an inner diameter substantially equal to the outer diameter of said neck portion and adapted to be supported directly on said neck portion, an electromagnet comprising a coil wound around the outer surface of said permanent magnet, said magnets together providing the total focussing magnetomotive force for said beam, said electromagnet being connected to said previously mentioned source, the internal resistance of said electromagnet having a predetermined value and the individual magnetomotive forces of said magnets being so correlated that said beam is in focus for a certain potential value of said source and remains substantially in focus for variations in said potential value.

2,483,134
AIRFOIL
John Gits, Roslyn Estates, and Alfred Z. Boyajian, Farmingdale, N. Y., assignors to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application May 1, 1945, Serial No. 591,332
9 Claims. (Cl. 244—123)

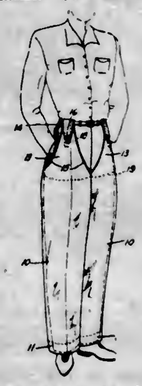


1. An airfoil structure comprising unitary end-sections shaped to define its profile and close its ends, spars rigidly connected at their ends to said end-sections to form an internal frame, and a skin comprising a single metal sheet bent upon itself to rest flush against the outer edges of said end-sections and spars and having alternate flat and beaded portions, said skin being secured to both the end sections and spars and said beaded portions being interrupted at the leading edge of the airfoil and the breadth of said flat portions being substantially larger than the breadth of said beaded portions.

2,483,135
IMPREGNATING AGENT FOR METAL WOOL PADS
Henry A. Goldsmith and Alfred Leroy Humbert, Boston, Mass., assignors, by mesne assignments, to Phipps Products Co., Boston, Mass., a partnership
No Drawing. Application December 20, 1947, Serial No. 793,054
2 Claims. (Cl. 252—109)

1. As a new composition of matter, an impregnating agent for metal wool carriers which consists of about 15 to 25% by weight of alkali alkyl benzene sulfonate, of about 5 to 15% by weight of alkali abietate, of about 5 to 15% by weight of solid fatty acid having a melting point of about 50° to 80° C., of about 1 to 3% by weight of alkali hydroxide, of about 0.5 to 5% by weight of alkali polyphosphate, of about 0.5 to 5% by weight of alkali silicate, of about 5 to 15% by weight of amorphous petroleum wax, and of about 0.1 to 1% by weight of sodium nitrite, dye and water being the balance.

2,483,136
RAIN CHAP
Fred I. Hamman, Davis, and Lalah Lint, Oakland, Calif.
Application March 2, 1948, Serial No. 12,528
1 Claim. (Cl. 36—2)



A rain chap adapted to be fastened over the belt of the trousers of the wearer, comprising, a leg-encasing, water-proof, tubular portion, a front tab, a rear tab, each of said tabs joining said tubular portion at the side below the opening of the side pocket of said trousers each of said tabs being of relatively narrow width and extending upwardly from the crotch portion, each of said tabs diminishing in width from opposed sides of said tubular portion and including narrow tongues, each of said tongues being adapted to be fastened to hang from the belt of the wearer, and selective fastening means on said tongues whereby said chap may be raised or lowered relative to the waist of the wearer.

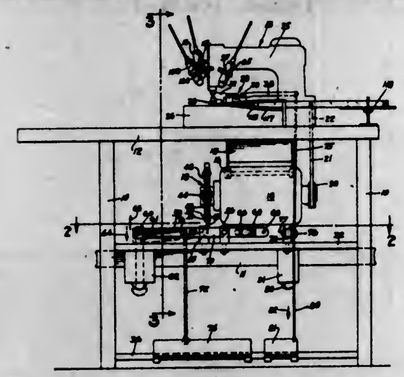
2,483,137
SYNTHESIS OF VITAMIN B_6
Stanton A. Harris, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 10, 1946, Serial No. 640,391
6 Claims. (Cl. 260—297.5)

1. In the synthesis of vitamin B_6, the steps which comprise diazotizing and hydrolyzing 2-methyl-3-amino-4-alkoxymethyl- 5 -aminomethylpyridine dihydrohalide, recovering the 2-methyl-3-hydroxy-4-alkoxymethyl-5-hydroxymethylpyridine thus formed, reacting the latter compound with a hydrogen halide in the presence of an organic solvent, recovering the 2-methyl-3-hydroxy-4-alkoxymethyl- 5 -hydroxymethylpyridine hydrohalide thus formed and hydrolyzing the latter compound with a dilute acid solution at a temperature and pressure sufficient to form 2-methyl-3-hydroxy-4,5-di(hydroxymethyl) pyridine hydrohalide.

2,483,138
AUTOMATIC ACCESSORY FOR SEWING MACHINES
Grover H. Helmer, deceased, late of St. Louis Park, Minn., by Esther Helen Helmer, special administratrix, St. Louis Park, Minn., assignor to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware
Application April 23, 1947, Serial No. 743,300
12 Claims. (Cl. 112—219)

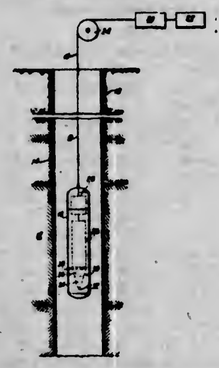
1. In a sewing machine having means for feeding the material therethrough and simultaneously

sewing it, the combination comprising a cutting device mounted on the machine for cutting the material after it has been sewn, and spaced light source means and cooperating photocell means having a light path between them that is in the



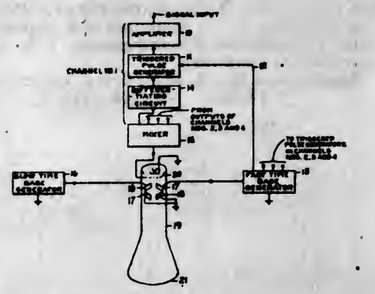
path of movement of the material when it is moved through the sewing machine, and means responsive when the material fed through the machine changes the amount of light transmitted from the light source to the photocell for operating said cutting device.

2,483,139
METHOD AND APPARATUS FOR LOGGING BOREHOLES
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 21, 1943, Serial No. 516,398
2 Claims. (Cl. 250—83.6)



1. The method of logging a bore hole to determine the character and location of formations traversed by the hole which comprises passing through the hole a source of radiation from which neutrons and gamma rays are emitted, some of the neutrons being scattered and slowed down in the formations and returned to the hole along with natural gamma rays from the formations, gamma rays induced in the formations by neutron bombardment and gamma rays originating in the source and scattered in the formations, the number of the returned, slowed neutrons depending upon the character of the formations, impressing an electrical potential of the order of 1,000 volts on an ionizable medium of relatively low density and exposing said ionizable medium to secondary radiation produced by the neutrons intercepting said drill hole as well as to said gamma rays intercepting the drill hole whereby electrical discharges are created in said ionizable medium, the size of the discharges depending upon the nature of the radiation intercepted and the number of the discharges being determined by the intensity of the intercepted radiation, and measuring only those discharges whose magnitude is sufficiently great to be indicative of the fact that they are created by slow neutrons.

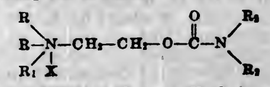
2,483,140
CATHODE-RAY OSCILLOGRAPHIC APPARATUS
Edward H. Higham, Hale, England, assignor to General Electric Company, a corporation of New York
Application November 2, 1948, Serial No. 57,853
In Great Britain November 6, 1947
4 Claims. (Cl. 315—22)



1. Oscillographic apparatus for analyzing the waveform of an unknown electrical quantity, comprising a cathode ray tube having a ray intensity control electrode, means for cyclically deflecting the ray in a first direction at a relatively low frequency, means for cyclically deflecting the ray in a second direction at a relatively high frequency, a multivibrator adapted to be triggered to produce a train of pulses recurring at said high frequency, means controlled by said second means for normally triggering said multivibrator to initiate a pulse at a predetermined point of time in each cycle of said high frequency sweep, means for sharply altering the voltage on said control electrode in response to initiation of each said pulse, and means for varying the instant of triggering said multivibrator with respect to said point of time as a function of the magnitude of said unknown quantity.

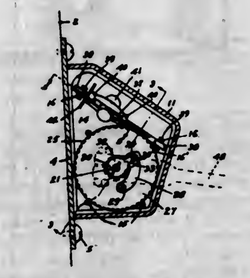
2,483,141
PROCESS FOR PRODUCING DIALKYL-CARBAMIC-ACID ESTERS OF DIALKYL-AMINOETHANOLS
John F. Mahoney, Linden, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 19, 1947, Serial No. 762,195
12 Claims. (Cl. 260—482)

4. The process for the preparation of compounds having the formula:



wherein R and R_2 are lower alkyl groups and R_1 is selected from the group consisting of the radical R and lower alkyl groups differing from R and X is an anion selected from the group consisting of halogen and sulfate radicals, which comprises heating a lower dialkyl amino ethanol with a lower dialkyl carbamyl chloride in the presence of pyridine and subjecting the resulting β-lower dialkyl amino ethyl N,N lower dialkyl carbomate to the action of a reagent selected from the group consisting of lower alkyl halides and lower alkyl sulfates.

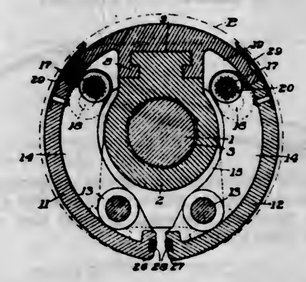
2,483,142
DOOR CHECK AND CLOSER
Frederick Albert Masson, Winnipeg, Manitoba, Canada
Application September 12, 1946, Serial No. 696,389
1 Claim. (Cl. 16—49)



In a door check: a casing adapted to be secured to a door and including a removable cover; an open framework supported by said casing; a shaft passing through said above assembly and carried by said framework; a spring connected to and adapted to drive said shaft when said door is released after being manually opened and be tightened when said door is opened; a ratchet supported by said framework and driven by said shaft; a governor rotatably mounted in said framework; driving means for driving said governor, said driving means including a pawl normally engaging said ratchet whereby said governor will be driven from said ratchet; a primary lever connected to said shaft; a secondary lever pivotally connected to said primary lever and adapted to be secured to a frame for said door; means frictionally operable by the movement of said ratchet for moving said pawl out of engagement with said ratchet, in the spring tightening movement of said shaft, and for re-connecting said pawl with said ratchet in the reverse movement of said shaft.

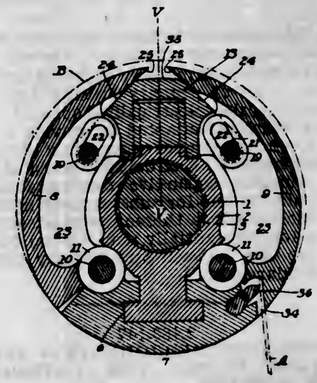
2,483,143
STRIP COILER
William M. McConnell, McKeesport, and Finn B. Abramsen, Baldwin Township, Allegheny County, Pa., assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa., a corporation of Delaware
Application October 11, 1945, Serial No. 621,804
7 Claims. (Cl. 242—72)

5. In a coiler the combination of a rotatable driving shaft, a longitudinally-movable nut having a wedging surface threaded on said shaft, a segment having interlocked wedging engagement with said wedge nut for radial outward and inward movement with respect to said shaft, means for holding said segment against rotation with said shaft to cause radial movement thereof by longitudinal movement of said wedge nut when said shaft is rotated, and a plurality of additional segments arranged to be brought by rotation of



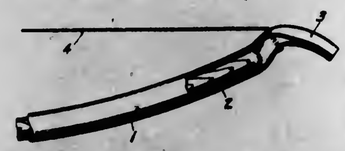
said shaft into relation with the said first segment in its radially outward position to form with said first segment a substantially circular coil-supporting surface.

2,483,144
STRIP COILER
William M. McConnell, McKeesport, and Finn B. Abramsen, Baldwin Township, Allegheny County, Pa., assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa., a corporation of Delaware
Application October 11, 1945, Serial No. 621,805
5 Claims. (Cl. 242—72)



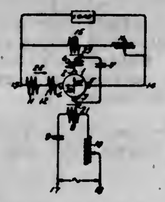
5. In a coiler the combination of a rotatable driving shaft, a longitudinally-movable nut having a wedging surface threaded on said shaft, a segment having interlocked wedging engagement with said wedge nut for radial outward and inward movement with respect to said shaft, means for holding said segment against rotation with said shaft to cause radial movement thereof by longitudinal movement of said wedge nut when said shaft is rotated, a fixed segment, and additional segments arranged to be brought by rotation of said shaft into relation with the said first segment in its radially outward position to form with said first segment and said fixed segment a matching structure presenting outwardly an uninterrupted substantially circular coil-supporting surface.

2,483,145
ARCHERY BOW
Ray J. Menne, East Troy, Wis., assignor to Menne Developments, East Troy, Wis., a partnership
Application October 11, 1945, Serial No. 621,780
3 Claims. (Cl. 124—23)



1. A bow comprising a curved body constituted of a tubular plastic material encasing a central resilient member disposed therein and removed from the ends thereof.

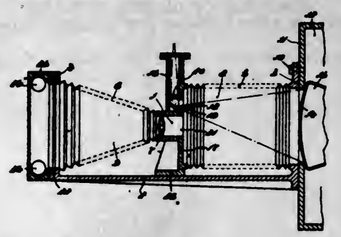
2,483,146
DYNAMOELECTRIC MACHINE
Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 14, 1947, Serial No. 785,848
15 Claims. (Cl. 322—92)



1. A dynamoelectric machine of the armature reaction excited type having a stationary member and a rotatable member provided with a commutator, a set of primary brushes and a set of secondary brushes electrically displaced from said primary brush set adapted to provide a primary and a secondary circuit respectively through said rotatable member, a circuit including a field exciting winding, capacitive reactance means in one of said circuits for substantially neutralizing the inductive effect thereof, and a second field winding for substantially neutralizing the transformer voltage between said primary circuit and said secondary circuit.

2,483,147
PHOTOGRAPHIC REPRODUCTION AND PROJECTION DEVICE FOR CATHODE-RAY TUBE SCREENS
Gerard Christiaan Jan Mol, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,172
In the Netherlands September 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 29, 1963
1 Claim. (Cl. 346—110)

A projection and photographic device comprising a first casing having an aperture therein, a cathode ray tube having a screen mounted in said first casing with said screen directed towards said aperture, a support mounted at an end thereof on said casing and extending therefrom, a second casing mounted on said support at a point remote from said end, said first casing having the aperture therein together with said support and said second casing thereon so constructed and arranged that said second casing faces the aperture in said first casing, a lens holder movably mounted on said support between said screen and said second casing for movement towards and away from said screen, an objective lens mounted on said movable lens holder and having the two surfaces thereof directed towards said screen and said second casing respectively, a viewing device mounted on said movable lens holder, said viewing device having at least one aperture directed towards said screen and at least another aperture adapted to be viewed by an operator of the device, holder means in said sec-



ond casing for alternative use as a holder for a photographic plate or as a holder for a scale division plate through which light may pass to said screen, means in said second casing for mounting a light source behind said holder means whereby the image of a scale division plate placed in said holder means may be projected through said objective lens onto said screen, a first light impervious collapsible envelope means surrounding the space between said aperture in said first casing and said objective lens, and a second light impervious collapsible envelope means surrounding the space between said holder means in said second casing and said objective lens.

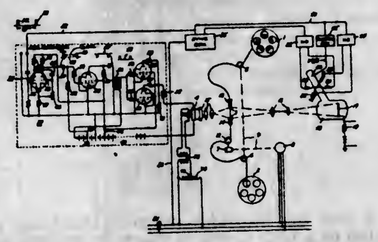
2,483,148
APPARATUS FOR THE DISTRIBUTION OF PULVERULENT PRODUCTS
Charles Nicolle, Gentilly, France
Application August 27, 1945, Serial No. 612,871
In France December 21, 1944
10 Claims (Cl. 222—192)



1. An apparatus for the distribution of pulverulent products constituted by a receiver comprising slightly elastic walls, a perforated cover at one end of said receiver, a projection tube dipping inside said receiver up to a predetermined distance from the bottom of said receiver and passing through the perforated cover and a closure rigidly secured to the projection tube and forming therewith a unit adapted to move axially with reference to the walls and perforated cover.

2,483,149
TELEVISION FILM PROJECTION WITH SYNCHRONIZED DISCHARGE LAMP
Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 13, 1946, Serial No. 654,133
4 Claims. (Cl. 178—7.2)

2. The combination, in a motion picture television projection system, of a cathode ray camera tube, having a photo-sensitive area, means to deflect the ray of said tube across said area in two directions at different frequencies, means to blank said ray during the retrace interval at the lower of said frequencies, an intermittent motion picture film drive driven by a synchronous motor, an alternating voltage supply for said motor, a discharge lamp arranged to project light through the film driven by said film drive on said sensitive area, means comprising a synchronizable pulse



generator to generate short periodic control pulses at said lower frequency, means to synchronize both said pulse generator and said blanking means with said film drive, energy supply means controlled by said pulse generator to supply an intense pulse of energy to said lamp in synchronism with each of said control pulses, and means to adjust the duration of said control pulses with respect to the duration of said retrace interval.

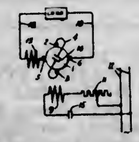
2,483,150
INDICATOR DEVICE
Frederick A. Olson, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application March 3, 1948, Serial No. 12,869
2 Claims. (Cl. 116—124.2)



1. An indicator assembly, comprising a hub member, a plurality of indicating members mounted thereon and free to rotate thereabout, a plurality of further members rigidly mounted on said hub member, one of said further members being placed intermediate respective ones of said indicating members for preventing the transmission of motion therebetween, means for securing said assembly so that said indicating members are frictionally engaged therein, and means whereby said indicating members may be individually rotated to desired angular positions.

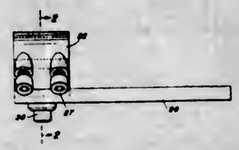
2,483,151
DYNAMOELECTRIC MACHINE
William A. Pringle, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 14, 1947, Serial No. 785,846
4 Claims. (Cl. 322—92)

1. A dynamoelectric machine of the armature reaction excited type having a stationary member and a rotatable member provided with a commutator, a set of primary brushes and a set of secondary brushes electrically displaced from said primary brush set adapted to provide a primary and a secondary circuit respectively through said rotatable member, a field exciting circuit including a field exciting winding for controlling the secondary characteristics of said machine a second field exciting winding for substantially neutralizing the armature reaction produced by



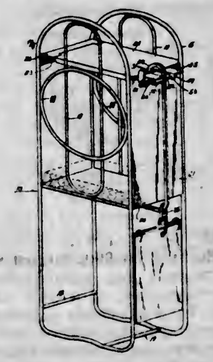
current in said secondary circuit, capacitor means in series with each of said primary and said field exciting circuits for substantially neutralizing the inductive reactance thereof.

2,483,152
BORING TOOL HOLDER
George Reisinger, Irondequoit, N. Y.
Application November 18, 1947, Serial No. 786,570
10 Claims. (Cl. 29—98)



1. A tool holder comprising a support, a tool block, a pin on which said block is pivotable for angular adjustment on the support, one of the two first-named parts having a recess therein to receive the other part, said pin extending longitudinally of the recess, and a headed securing bolt extending at an angle to the pin and passing through a hole in the support and threading into the pin, said bolt, when threaded up, being adapted to hold the block in any adjusted position on the support.

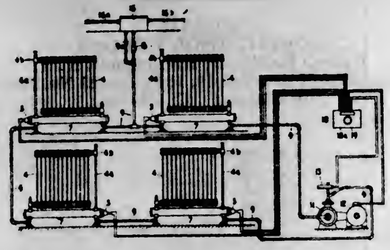
2,483,153
TOWEL-HOLDING AND STORING MEANS
Jacques Rousso, Los Angeles, Calif.
Application January 19, 1946, Serial No. 642,365
2 Claims. (Cl. 312—37)



1. Apparatus of the character described, comprising: means for storing a plurality of bundles of towels; independent means for supporting said bundles, one at a time, for use, said independent means being shiftable to permit transfer of a bundle from said plurality of bundles to placement

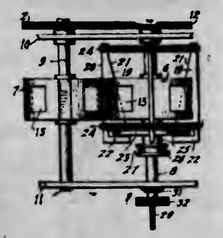
upon said independent means; means for securing individual towels of each bundle for use individually; an elongated trackway; and flexible link means interposed between each of the securing means of each of said bundles, and the said trackway.

2,483,154
ELECTRIC HEATING SYSTEM FOR BUILDINGS
Norman Rycroft, Blackdown, Leamington Spa, England, assignor of one-half to Cornercroft Limited, Coventry, England, a company of Great Britain
Application June 11, 1946, Serial No. 675,876
In Great Britain July 5, 1945
6 Claims. (Cl. 219—39)



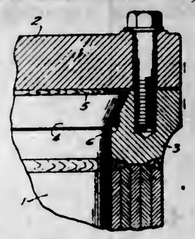
2. An electric heating system for buildings utilising liquid as the heating medium comprising, in combination, a single loop of pipeline, a plurality of electric heating means interposed in the system at a plurality of points and pump means for ensuring a forced circulation of liquid around the system.

2,483,155
ALIGNMENT CONTROLLING PACKAGING MACHINE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application January 16, 1946, Serial No. 641,569
7 Claims. (Cl. 93—3)



1. A packaging machine including the combination with means for periodically feeding portions of a commodity, of a pair of rotatable rollers to receive between them opposed layers of packaging material at least one of which has indicia-bearing zones and between which each of said commodity portions is deposited normally in register with one of said indicia-bearing zones, and means on said rollers for adjusting said layers of packaging material to vary the relationship of said indicia-bearing zones to the respective commodity portions, and means for rotating said rollers simultaneously in opposite directions.

2,483,156
JOINT SEAL FOR PRESSURE VESSELS OR THE LIKE
Henry A. Schmitz, Jr., Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 11, 1946, Serial No. 669,173
3 Claims. (Cl. 220—46)



3. A seal for the joint between the head and end ring of a high pressure vessel or the like having the inner surface of said end ring outwardly tapered, which comprises a substantially thin conically shaped seal ring having the outer end of largest diameter welded to the inner surface of said head and the inner portion freely floating within said end ring and disposed complementary to and adjacent the tapered surface thereof to be forced thereagainst by the high internal fluid pressure of the vessel contents, and an annular gasket supported in a circumferential groove in the end ring in the joint between the freely floating portion of the seal ring and end ring, said gasket being compressed by said seal ring to seal the joint between the head and end ring against the passage of the contents of the vessel therebetween.

2,483,157
MOUTH-PROTECTIVE BIT
John L. Singer, St. Petersburg, Fla.; Rose B. Singer administratrix of said John L. Singer, deceased
Application June 17, 1946, Serial No. 677,182
2 Claims. (Cl. 128—136)

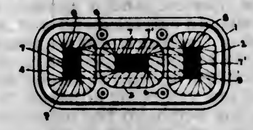


1. A mouth-protective bit having a web of elastic rubber or the like shaped to fit between the user's teeth, integral lips extending oppositely from the opposite faces, respectively, of said web along the outer margin of the latter, and opposite ridges on said faces, respectively, of the web along the inner margin of the latter, said web having a saliva passage extending from one of said faces to said outer margin of said web.

2,483,158
LIQUID ORGANO-SUBSTITUTED POLYSILOXANES
Murray M. Sprung, Scotia, N. Y., and Donald F. Wilcock, Saugus, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application October 11, 1946, Serial No. 702,590
3 Claims. (Cl. 260—448.2)

1. A liquid linear polysiloxane comprising from 80 to 99 mol per cent polymeric dimethylsiloxane containing up to 5 mol per cent monomethylsiloxane copolymerized therewith and from 1 to 20 mol per cent diphenylsiloxane copolymerized therewith, the said linear polysiloxane chain being terminated by two silicon atoms to each of which are attached three hydrocarbon radicals selected from the class consisting of alkyl and aryl radicals.

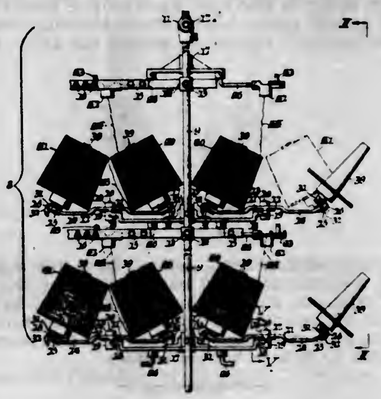
2,483,159
MAGNETIC CORE
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 26, 1946, Serial No. 718,354
1 Claim. (Cl. 175—356)



A three phase induction apparatus comprising in combination, a metallic enclosing casing, two similar generally rectangular closed magnetic core members within said casing in the form of loops arranged back to back in the same plane so that the adjacent sides thereof form the center leg of a three legged three phase core, the cross-sections of said loops being square so that the cross-section of said center leg is rectangular with its long dimension parallel to the plane of said loops and twice that of its short dimension which is perpendicular to the plane of said loops, and a third larger generally rectangular closed magnetic core member in the form of at least one larger loop arranged side by side with the back to back related core members so that adjacent sides of the larger core member and the other two core members form the other two legs of said three legged core, the magnetic cross-section of the larger core member being rectangular and equal in magnetic area to that of each of the back to back related core members so that the cross-sections of said two other legs of the three legged three phase core are the same in area and configuration as the center leg but are so oriented that their long dimension is perpendicular to the plane of the back to back related loops, all of said core loops consisting of radially nested flatwise curved lamination layers, rectangular phase windings for each of said core legs, said windings each having similar windows of the same area and configuration as the cross-sections of said legs, insulated electrical lead-in terminals for said induction apparatus, said terminals being positioned between said windings for said outer legs and adjacent to said winding for said center leg, the winding for said center leg being oriented at right angles to the other two windings to provide increased arcing clearances for said terminals without increasing the overall width of said induction apparatus.

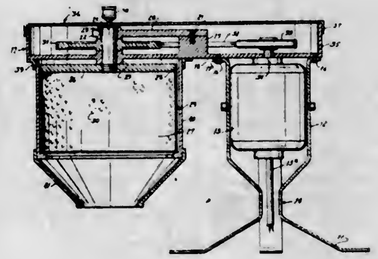
2,483,160
MAGAZINE CREEL
Thomas F. Suggs, Gastonia, N. C., assignor to Cocker Machine and Foundry Company, Gastonia, N. C., a corporation of North Carolina
Application October 18, 1946, Serial No. 704,216
3 Claims. (Cl. 242—131)

1. In a creel including horizontally swivelable members having forked ends for the support of thread and yarn packages or cakes, the combination of a tiltable carrier device including a claw and spaced projections coactive with the forked ends of the swivelable member, and said claw and projections respectively limiting tilting



movement of the carrier in opposed directions with respect to the vertical.

2,483,161
FOOD GRATER
Giulio L. Terzini, Camden, N. J.
Application November 29, 1947, Serial No. 788,925
1 Claim. (Cl. 146—177)

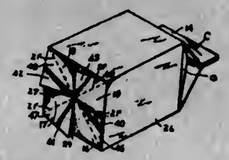


In a food grater of the kind described, in combination, a stand, a motor arranged on said stand and having a shaft extending therefrom in a vertical plane and in alignment with the longitudinal axis of the stand, an elongated casing, a lid for said casing, a shaft turnably supported in the casing, means operably connecting the shaft to the motor, an arm supporting the last-mentioned shaft and fastened to the casing, a food grating member fastened to one end of the said last-mentioned shaft, a cylindrical housing for the food grating element, a chute communicating with the grater and supported on the cylindrical housing, and a pusher block slidably mounted in the chute.

2,483,162
CONTAINER
George Stewart Vivian, Surbiton, England, assignor to Satona Limited, Edinburgh, Scotland, a British company
Application October 9, 1945, Serial No. 621,251
2 Claims. (Cl. 229—57)

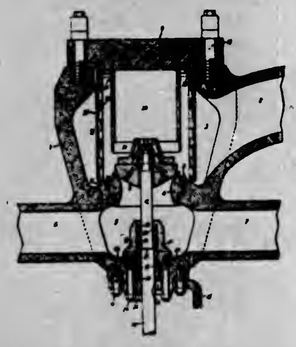
1. A container blank comprising a sheet of foldable material comprising four rectangular substantially equal-sized panels adapted to form the

sidewalls, all of said panels being provided at the same end with integral bottom-forming extensions, said extensions having a length substantially equal to one-half the width of said sidewall panels, each of said bottom-forming extensions having a triangular section cut away, said



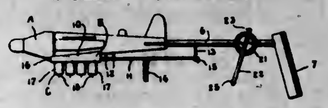
cut-away section being defined by a line drawn from a point positioned half-way up the side of said extension and terminating at a point in the middle of the outer edge of said extension whereby the said extensions are folded in overlapping relation to form a bottom closure.

2,483,163
SHUTOFF VALVE
Glenn B. Warren and Edwin E. Parker, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 7, 1945, Serial No. 592,322
1 Claim. (Cl. 251—156)



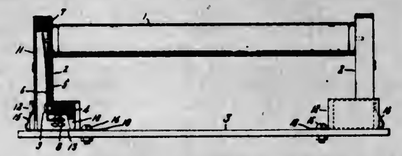
A shut-off valve for high pressure fluids comprising a housing defining a head opening and having an inlet chamber and an outlet chamber and a removable head member to close the head opening, a valve seat formed in the housing and defining a valve opening between the inlet and outlet chambers, a valve disk in the inlet chamber arranged to sealingly engage the seat and supported only by a valve stem slidably arranged in a bushing removably associated with an opening through a wall of the discharge chamber, gasket means arranged between said bushing and housing, and means securing the bushing to the housing against the gasket and in sealing engagement therewith, said means including a member secured to the bushing and extending through an opening in the housing in freely slidable relation therewith whereby fluid pressure in the outlet chamber is effective to force the bushing into tighter sealing engagement with the gasket as the fluid pressure increases, the removable head, valve disk, valve seat, and valve support bushing being proportioned so that with the head member removed the valve disk, stem, and bushing may be removed as a unit through the head opening.

2,483,164
TOY BOMBER
Henry F. Wheeler, Richmond Heights, Mo., assignor of one-half to A. Edward Gross, Richmond Heights, Mo.
Application November 20, 1944, Serial No. 564,227
2 Claims. (Cl. 46—1)



1. A toy bomber comprising a magazine open at the bottom, a plurality of toy bombs to be dropped from said magazine, each of said bombs having a transverse opening, and a slidable suspension member having an extended end portion movable into and out of the transverse openings to receive and release the toy bombs, said magazine having a top wall parallel with said extended end portion, said parallel top wall being adjacent to the upper ends of the toy bombs in the magazine, so as to form a seat for said ends when the toy is inverted, thereby locating said transverse openings in the plane of said extended end portion of the slidable suspension member.

2,483,165
ADAPTER FOR FLUORESCENT LAMP SOCKETS
William R. Young, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1945, Serial No. 625,901
2 Claims. (Cl. 173—328)

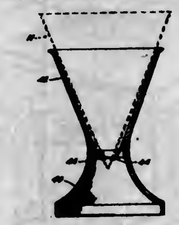


2. In combination with a lamp socket for supporting one end of an elongated tubular lamp, said socket having a base portion with a pair of opposed parallel sides, an adapter for said socket comprising a channel member adapted to receive and support the socket so as to be movable in the channel substantially only along a single axis, said channel being formed of a base plate having two opposed side edges parallel to said axis, parallel side walls extending from said edges and spaced from each other by substantially the spacing of the sides of said socket base, and flanges extending inwardly toward each other from said side walls and adapted to fit over a part of said socket base portion, and a spring clip extending from an end of said plate between the side walls and adapted to engage the rear face of the socket to move it along the channel and thereby to bias it into engagement with the end of the lamp.

2,483,166
HOLDER FOR PAPER CUPS
Walter E. Amberg, Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application November 11, 1944, Serial No. 562,949
3 Claims. (Cl. 65—61)

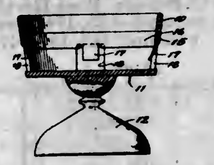
1. A substantially hollow pickup holder for preformed conical paper cups comprising a base, a

substantially conical cup receptacle joining the base, the juncture forming a throat between the base and cup receptacle, said cup receptacle receiving and supporting a preformed conical paper cup with the apexial end of the paper cup extending into said throat, and resiliently movable pickup and retaining means located within said throat



and comprising a plurality of opposed projections extending inwardly toward the center of said throat to provide opposed resiliently relatively movable substantially horizontal edges for engaging and indenting the conical paper cup therebetween adjacent the apexial end thereof for automatically and resiliently gripping the conical paper cup.

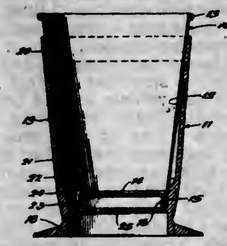
2,483,167
PAPER CUP HOLDER
Walter E. Amberg, Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1945, Serial No. 581,025
5 Claims. (Cl. 65—61)



5. A paper cup holder comprising a cup shaped body having a side wall and bottom adapted to receive and support a paper cup, an annular thin strip of metal or the like secured within the side wall of the body, and inwardly and downwardly projecting fingers on the strip within the body to engage the side wall of the cup adjacent the bottom thereof and hold it in the body.

2,483,168
HOLDER FOR PAPER CONTAINERS
Walter E. Amberg, Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application October 11, 1945, Serial No. 621,793
6 Claims. (Cl. 65—61)

4. In combination, a paper container having tapered side walls, a bottom and a bottom joint between the side walls and the bottom, and a holder for the paper container having a base and side walls, the side walls of the holder having a first taper at the upper portion corresponding to the taper of the side walls of the container to receive the tapered side walls of the container, a second taper at the intermediate portion less than the taper of the side walls of the container to provide a space between the holder and the tapered side walls of the container, a third taper near the lower portion greater than the taper of the side walls of the container and terminating in an annular edge to receive and grip the tapered side walls of the container adjacent the bottom joint thereof, said annular edge formed by said third



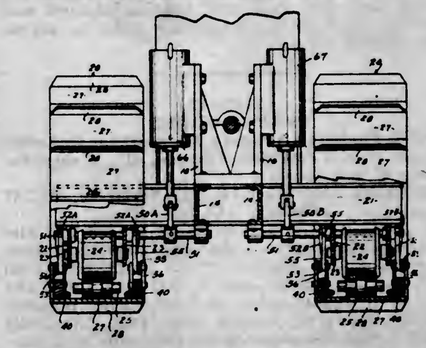
taper and a wall surface extending therebelow, and a transverse support to be engaged by the bottom of the container.

2,483,169
RECEPTACLES WITH SELF-CLOSING MOUTH
Emil Anderson, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application October 4, 1945, Serial No. 620,334
2 Claims. (Cl. 229—62)



1. A receptacle comprising a bag having flexible walls defining a mouth portion, a single one-piece strip of self-sustaining resilient material formed with a slit therethrough, the length of said slit being at least equal to the width of the collapsed mouth portion, means for securing the free end of one of said flexible walls to said strip adjacent to one side of said slit, and means for securing the free end of another of said flexible walls to said strip adjacent to the opposite side of said slit, the resiliency of said material tending to maintain said slit and mouth portion closed.

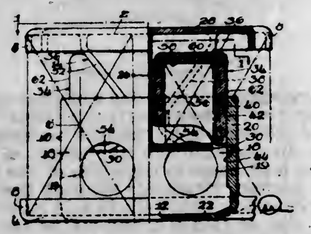
2,483,170
BRAKE FOR CRAWLER EQUIPPED VEHICLES
Albert R. Askue, Mentor, Ohio, assignor to The Cleveland Trencher Company, Cleveland, Ohio, a corporation of Ohio
Application October 8, 1947, Serial No. 778,176
3 Claims. (Cl. 180—6.7)



1. A crawler supported vehicle having a frame, a pair of longitudinally extending looped sup-

porting and driving crawler belts therefor, each belt comprising a plurality of interconnected links and ground engaging pads carried thereby, said pads being wider than said links and extending beyond either side thereof, each belt having a ground engaging stretch, sets of rollers carried by said frame and engaging the links of the ground engaging stretches thereof to transmit the weight of the vehicle to said belts, a pair of elongated longitudinally extending brake shoes carried by said frame at each side thereof for movement to and from the pads of the respective ground engaging stretches of said belts, said shoes being positioned to frictionally engage the upper surface of said pads adjacent said links, resilient means tending to move said shoes away from said pads, hydraulically operated means to move said shoes toward said pads and raise said rollers out of contact with said links, and an independent manually operable control for said hydraulic means for independently operating each pair of said shoes.

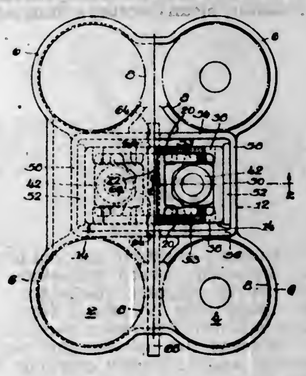
2,483,171
SPRING GROUP
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 14, 1945, Serial No. 616,266
8 Claims. (Cl. 267—9)



1. A spring group comprising spaced top and bottom spring plates, a plurality of springs confined therebetween, friction walls carried by one of the plates, side walls vertically movable with the other plate and extending between said friction walls, a friction shoe confined between said side walls at each end thereof in guiding engagement therewith, said shoe being in wedge engagement with the extremities of said walls adjacent the associated friction wall and being in frictional engagement with said associated friction wall, and spring means extending between said side walls and bearing against said shoe at a point between said side walls for actuation of said shoe.

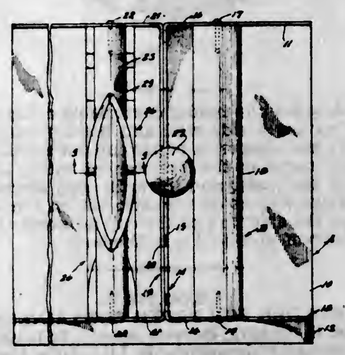
2,483,172
SPRING GROUP
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 14, 1945, Serial No. 616,267
5 Claims. (Cl. 267—9)

1. A spring group comprising spaced top and bottom spring plates, a plurality of springs therebetween, and a friction device in parallel with said springs comprising a follower integrally formed with one plate and presenting opposed friction surfaces, spaced side walls integrally formed with the other plate, each side wall having a portion tapering from the top thereof and another portion tapering from the bottom thereof to connect with the first-mentioned portion, the portion of each side wall remote from said other plate having wedge faces sloping toward respective surfaces, a friction shoe at each end of the device disposed between said side walls



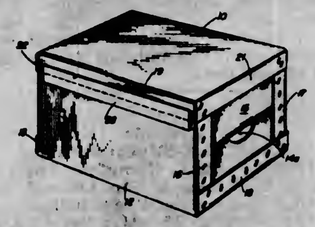
in guiding engagement therewith, said shoe being in wedge engagement with the associated faces and in frictional engagement with the associated surfaces, and spring means bearing against said other plate and against a portion of the shoe for actuation of the latter.

2,483,173
ROTARY COOKY-MAKER
Herbert C. Behnke, West Hartford, Conn.
Application September 25, 1946, Serial No. 699,216
1 Claim. (Cl. 107—47)



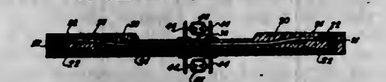
A dough rolling and cutting implement of the class described comprising a pair of substantially V-shaped frame sections disposed in a plane with each other and having their bight portions secured rigidly together in back-to-back relationship, an upstanding hand-grip secured to said interconnected bight portions, and rollers rotatably mounted between the respective arm portions of said frame sections, said rollers being freely turnable, one roller having a smooth peripheral surface to serve as a dough flattening and rolling pin, the other roller having a plurality of cutting ribs arranged on its dough working surface in different shapes and relationships to provide designs and to cut out dough patterns of varying but predetermined configurations.

2,483,174
SEALABLE CARTON WITH MULTIPLY BOTTOM
Jack R. Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., a corporation of Georgia
Application May 6, 1947, Serial No. 746,188
7 Claims. (Cl. 229—23)



1. A carton of sheet material comprising double bottom layers, one of the bottom layers having front and back walls connected thereto, the other bottom wall having end walls connected thereto, each end wall being of an integral piece having a triple thickness of the material formed by two successive outward folds essentially parallel to the plane of the bottom and presenting said folds as smooth upper and lower edges and with the cut edge located within the triple thickness, the lower fold being spaced from the bottom to provide a hand grip, the front and rear walls having flaps fitting against and secured to the end walls, the end walls projecting above the said front and rear walls and the flaps thereof, and a cover having marginal flanges which in closed condition engage the upper edges of the front and rear walls and the flanges thereof and with the end flanges of the cover overlapping the upper portions of the end walls.

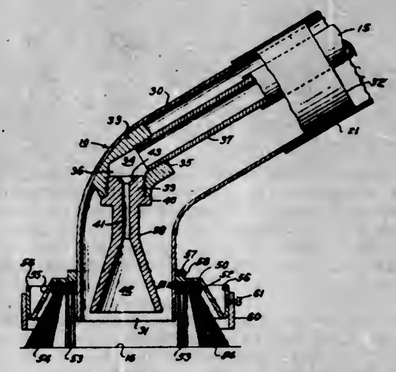
2,483,175
METHOD OF MOLDING PRESTRESSED STRUCTURES
Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete, Inc., a corporation of Pennsylvania
Application October 10, 1947, Serial No. 779,079
15 Claims. (Cl. 25—154)



1. A method of producing a reinforced structure comprising peripherally covering a portion of a reinforcing element to prevent bonding, forming plastic bodies in bonded relationship with portions of said element at opposite sides of its covered portion, applying a force intermediate the ends of at least one of said bodies and thereby relatively shifting said bodies to place said element in tension, interposing spacing means between substantially the entire opposed areas of said bodies to maintain said element in tension, and removing said force to place said bodies and spacing means in compression.

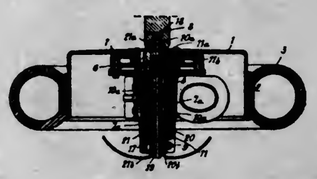
2,483,176
SURFACE TREATING APPARATUS
Lewis H. Bishop and John Stanley Finn, Burlingame, Calif., assignors, by mesne assignments, to William H. Mead, Oakland, Calif.
Application May 24, 1948, Serial No. 28,858
8 Claims. (Cl. 51—8)

1. An operating head for a blast-impelling, suction-removing, surface-treating apparatus, said head comprising a hollow housing open at each end, the lower end being arranged to face the work surface and the upper end being adapted for connection with a suction line; a conduit extending within said housing and mounted therewith to provide between said conduit and said housing a suction passageway connecting said lower and upper housing ends, the upper end of said conduit be-



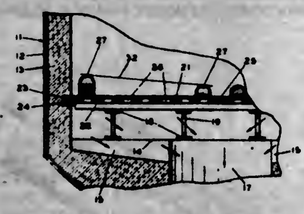
ing adapted for connection with a blast line and the lower end of said conduit terminating adjacent the surrounding lower end of said housing; and a maze-like impeding means depending from the periphery of said lower housing end, said impeding means comprising an inner ring of relatively stiff brush elements and an outer ring of brush elements which are relatively longer and more flexible than are those of said inner ring.

2,483,177
MOTOR-CONTAINING WHEEL
Emile Bobard, Beaune, France
Application March 15, 1945, Serial No. 582,881
In France June 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1962
6 Claims. (Cl. 180—10)



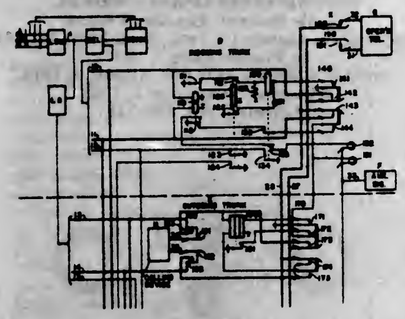
1. A vehicle wheel comprising a rim, a wheel disc asymmetrically arranged with reference to the rolling plane of the rim, a rotary shaft for the wheel, a gear wheel rigidly secured thereto and rigid with the wheel disc, a protective casing surrounding said gear wheel with a tubular extension for said casing surrounding said rotary shaft and forming a hub, means for securing said tubular extension to the vehicle frame, a motor, a shaft driven by said motor and lying parallel with said rotary shaft, and a pinion on said motor-driven shaft drivingly engaging said gear wheel on the rotary shaft.

2,483,176
CATALYST VESSEL
Otto R. Boedinger, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 29, 1946, Serial No. 686,961
6 Claims. (Cl. 23—288)



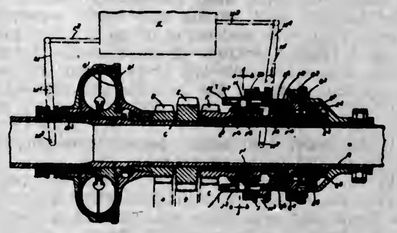
1. A contacting vessel comprising in combination a substantially vertically disposed closed outer shell, said shell having a fluid inlet in its upper end portion and a fluid outlet in its lower end; an insulation lining covering the inner surface of said shell; a plurality of horizontally disposed support beams in the lower portion of the chamber within said lined shell; a grating plate assembly supported on ribs projecting downwardly therefrom to said support beams, said assembly having perforations disposed over its area; and perforate caps covering said perforations in said grating plate assembly, the perforate area of said caps nearer the periphery of said chamber being greater than the perforate area of caps nearer the axis of said chamber.

2,483,179
INTEROFFICE CONNECTION
Karl L. Burgener, Villa Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 15, 1945, Serial No. 616,617
24 Claims. (Cl. 179—27)



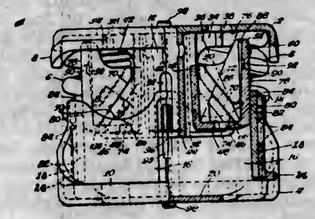
1. In a telephone system, an automatic exchange, said exchange including a plurality of connecting links and a plurality of incoming trunks and a plurality of outgoing trunks, an automatic switch individual to each outgoing trunk, a second exchange, a plurality of two way trunks connecting said exchanges, means including any one of said links for establishing connections from said automatic exchange to said second exchange over any one of said two way trunks through any one of said incoming trunks, means including any one of said links for establishing connections from said second exchange to lines in said automatic exchange over any one of said two way trunks through any one of said outgoing trunks including the automatic switch individual thereto, and switching means individual to said two way trunks for enabling connections to be established from said automatic exchange to said second exchange over an individual one of said incoming trunks and an individual one of said two way trunks independent of said links, and for enabling connections to be established from said second exchange to said automatic exchange through the automatic switch of an individual one of said outgoing trunks and said individual two way trunk independent of said links.

2,483,180
VARIABLE-SPEED GEAR
Adrian Leslie Catford, Hampton, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application December 15, 1947, Serial No. 791,807
In Great Britain December 16, 1946
4 Claims. (Cl. 74—732)



1. A variable speed transmission comprising in combination a driving shaft, a driven shaft, a plurality of gear wheels fast on the driving shaft and in constant mesh with gear wheels loose on the driven shaft one pair of said meshing gear wheels producing overdrive ratio, a fluid flywheel constituting means for coupling to the driven shaft one of the said gear wheels loose on that shaft whereby the shaft will be driven at said over speed, a clutch member fast on the said driven shaft and having two separate and oppositely directed sets of dog teeth, a sleeve rotatable on said driven shaft and carrying one of said loose gear wheels which is operative to drive said shaft at a low gear ratio, a clutch member on the said sleeve of this lower ratio gear wheel with a quickpitch thread connecting the clutch member to the sleeve so that relative rotation between the clutch member and the sleeve will cause the clutch member to move in the axial direction on the sleeve and thereby engage with or be disengaged from one of the sets of teeth on the said shaft clutch member, a second sleeve rotatable on the first sleeve and carrying one of the said loose gear wheels which is operative to drive the said shaft at a higher gear ratio, a clutch member on the said second sleeve with a quick pitch thread connecting the clutch member to the sleeve so that relative rotation between the clutch member and the sleeve will cause the clutch member to move in the axial direction on the sleeve and thereby engage with or be disengaged from the second set of teeth on the said shaft clutch member, an actuating sleeve adapted to rotate on the said driven shaft and slide in the axial direction relatively to the said shaft clutch member, means for thus sliding the actuating sleeve, teeth within the actuating sleeve which are constantly in sliding engagement with teeth on a guide sleeve mounted on the said second gear wheel sleeve and rotatable therewith, a locking ring rotatable on said second gear wheel sleeve and having teeth adapted to be engaged by the teeth within the said actuating sleeve, and an extension from the said clutch member on the said second gear wheel sleeve with splines slidably engaging splines on the said locking ring and having teeth adapted to be engaged by the said teeth within the actuating sleeve when this actuating sleeve is moved in the axial direction so as to cause teeth within it to first engage and then pass through the teeth on the said locking ring.

2,483,181
SPRING GROUP
Claus J. Werner Clasen, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 19, 1948, Serial No. 28,012
3 Claims. (Cl. 267—9)

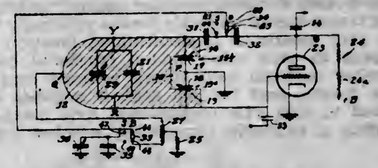


1. In a spring plate for a spring group, a relatively flat plate member, a follower on the inner side of said plate member disposed substantially centrally thereof, said follower comprising spaced substantially parallel side walls extending substantially at right angles to said plate member and merging at one of their corresponding ends with the inner side of said plate member, spaced webs interconnecting said side walls at their corresponding lateral edges, said webs being of arcuate form in cross section and being bowed toward each other and being connected at one of their corresponding ends with the inner side of said plate member, the juncture between said side walls and said plate member being reinforced by gussets integrally formed with the lateral edges of said side walls and the inner side of said plate member, each of said gussets comprising a web extending in the plane of the associated side wall, each of said last-mentioned webs terminating in a web extending transversely thereof and formed integral with the inner side of said plate member, wedge means on the lateral edges of the respective side walls at the ends thereof remote from said plate member, and reinforcing means formed on the inner side of said plate member at the remote sides of said side walls, each of said reinforcing means merging with the related side wall at points in alignment transversely of said side wall with the respective points of merger of said arcuate webs with said side wall.

2,483,182
COPOLYMERS OF VINYL FURANE AND CHLOROPRENE
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 17, 1947, Serial No. 735,245
4 Claims. (Cl. 260—87.5)

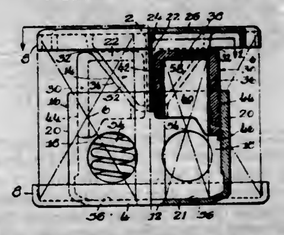
1. A copolymer of 5 to 95 percent by weight of vinyl furane and 95 to 5% chloroprene.

2,483,183
OSCILLATOR CIRCUITS
Jeffrey S. Cohen, Los Angeles, Calif., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application June 25, 1947, Serial No. 756,991
9 Claims. (Cl. 250—36)



4. A two-band oscillator comprising an electronic tube, an inductance between plate and grid of said tube, a pair of capacitors one of which is in circuit between plate and cathode of said tube and the other of which is in circuit between grid and cathode of said tube, said inductance and pair of capacitors being comprised in a resonant high-frequency tank circuit, a second inductance and third capacitor and means interposing them between said tank circuit and one of the cold electrodes of said tube, a fourth capacitor, and means for effectively connecting said fourth capacitor between said cold electrode and the cathode during lower-frequency operation, the said pair of capacitors being effectively connected between the other cold electrode of said tube and its cathode by said first inductance during lower-frequency operation and said first-inductance becoming a short-circuit during such operation, whereby said second inductance and said pair of capacitors and said fourth capacitor function as a tank circuit at said lower frequencies.

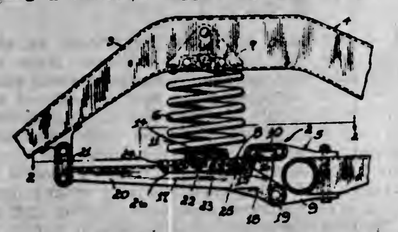
2,483,184
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 5, 1946, Serial No. 694,915
7 Claims. (Cl. 267—9)



1. Bolster-supporting means for a railway car truck including a friction device comprising spaced followers, one of said followers having spaced friction surfaces at opposite ends thereof and the other of said followers presenting spaced coplanar diagonal surfaces adjacent each friction surface, a pair of friction shoes in engagement with respective friction surfaces and each having wing portions at opposite sides thereof in complementary engagement with one pair of said diagonal surfaces, resilient means housed in each shoe, extending between the spaced diagonal surfaces of the associated pair, and compressed between the associated shoe and said one follower, and resilient means forming the principal bolster-supporting elements operatively associated with said followers for urging them apart.

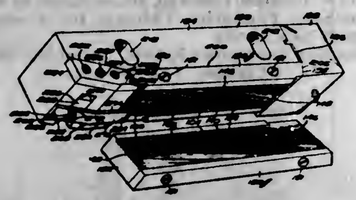
2,483,185
FRICTIONAL SPRING CONTROL MEANS AND THEIR MOUNTING ON VEHICLES
George W. Crabtree, Cleveland Heights, Ohio
Application September 18, 1945, Serial No. 617,087
6 Claims. (Cl. 267—9)

1. A vehicle chassis embodying frame means, axle means, a spring member extending between said frame means and axle means yieldingly holding said means in predetermined position with respect to each other and a frictional control member between said spring member and said axle means, said friction control member being linked to said axle means, said axle means including a shiftable supporting member pivoted



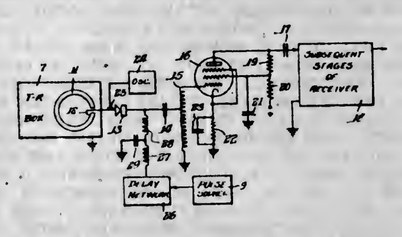
thereto, and said supporting member extending below said frictional control member and supporting same and being linked to said frame member, said supporting member and said control member both being frictionally shifted with respect to each other by compression and reflex actions of said spring.

2,483,186
APPARATUS FOR ROLLING SCREWS
William A. De Vellier, New York, N. Y., assignor to New Process Screw Corporation, Waterville, Conn., a corporation of Delaware
Application October 2, 1945, Serial No. 619,816
2 Claims. (Cl. 80—8)



1. Apparatus for successively rolling substantially identically pointed double threaded screws, comprising a pair of relatively movable rectilinear screw thread rolling dies capable of only rolling double threads, each having a face comprising a continuous cavity extending longitudinally thereof, having a cooperating inwardly tapered portion at the upper edge thereof, a substantially flat central shank forming portion and a lower screw point forming portion tapering outwardly to the surface of said face beyond said cavity, having a plurality of similar continuous thread forming grooves extending obliquely thereof at a pitch angle of from substantially 12° to substantially 22° and extending throughout the height of said face through said shank and screw point forming portions, of substantially equal depth in said shank forming portions and of progressively decreasing depth in said screw point forming portions along the axis of a screw blank interposed transversely between said dies, of progressively decreasing depth and width at least along the major portion of the length thereof and with successive grooves of progressively decreasing relative depth and width throughout at least the major portion of the length of said cavity forming lands between the grooves that progressively widen throughout at least the major portion thereof, means for mounting said dies so that their entire faces remain at a spaced distance from each other and inclined relatively forwardly from their front to rear ends with their groove means oppositely inclined to roll double screw threads on screw blanks having shanks and screw point forming portions having an excess of metal greater than required for conically pointed portions, rolled between them with the lower ends thereof initially spaced from the lower ends of the cavities and with similar portions of similar groove means in each die continuously opposite similar portions of respective oppositely inclined groove means in the opposite die along the respective successive lines of contact of said dies with said screw blanks and a vertically adjustable bottom stop of limited length at the extreme starting end of one die only for initially abutting and supporting the lower ends of said blanks between said dies so that the screw point forming portions of successive blanks are at the same suitable height between the screw point forming portions of said die cavities at the initiation of forming threads on said blanks, to provide the same amount of material on said blanks moldable and axially displaceable to successively produce screws having substantially identical predetermined screw points.

2,483,187
PULSE RADIO ECHO DISTANCE INDICATOR
Charles E. Dolberg, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1944, Serial No. 551,953
3 Claims. (Cl. 343—13)
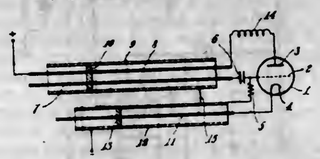


1. In a radio ranging system, a transmitter, a source of control pulses connected to said transmitter to effect transmission of pulse-modulated high-frequency signals, a receiver for receiving said pulse-modulated signals upon reflection thereof by some object, said receiver being prone to receive said pulse-modulated signals directly from the transmitter, said receiver including a frequency converter stage constructed and arranged to convert said pulse-modulated high-frequency signals to pulse-modulated intermediate-frequency signals, said frequency converter stage generating also spurious video frequency pulse signals in response to the said direct reception of pulse-modulated high-frequency signals, means for deriving pulses from said source, means for modifying the latter pulses so that they are coincident with and of the same magnitude as said spurious pulse signals but of opposite phase, and means for combining the modified pulses with said spurious pulse signals substantially to cancel out the latter.

2,483,188
TOBACCO ARTICLE SUPPORT
Joseph Elger, Chicago, Ill., assignor of one-half to Rose Elger, Chicago, Ill.
Application October 17, 1946, Serial No. 703,865
2 Claims. (Cl. 131—260)



1. A smoking article supporting stand comprising a base, a post secured to said base, a platform secured to the post and arranged parallel with said base, said post provided with an opening, a threaded rod in said opening and extending beyond the sides of the post on each side thereof, springs on said rod, one end of each spring engaging the post, jaw members provided with a circular hole and a slot, said jaw members being slidably mounted on said platform and rod, the opposite ends of the flat top and the rod slidably engaging the slot and hole, respectively, of each jaw member, and nuts secured to each end of the rod and acting against the tension of the springs to maintain the jaws in an upright position.

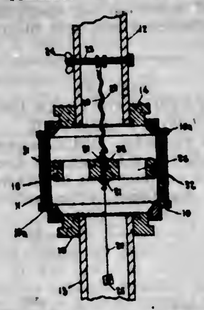
2,483,189
TRANSMISSION LINE OSCILLATOR
Charles C. Eaglesfield, Bournemouth, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee
Application November 28, 1945, Serial No. 631,349
In Great Britain September 13, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 13, 1964
7 Claims. (Cl. 250—36)



1. An oscillation generator circuit arrangement comprising an electron discharge device having a cathode, a grid and an anode, means to apply operating potentials to said discharge device, a two-conductor transmission line comprising a first conductor coupled to said anode, a second conductor coupled to said grid and a sheath surrounding said conductors, said conductors being in an electrically unbalanced relationship with respect to said sheath, and a single-conductor transmission line comprising a conductor coupled to said cathode and a second sheath surrounding said third conductor and coupled to said first sheath.

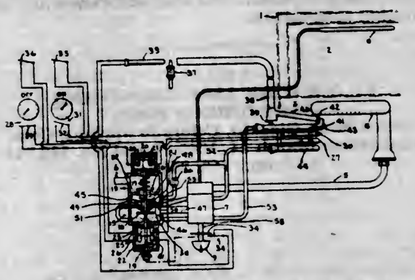
2,483,190
FLOW METER
John Rockfield Evans, Westmount, Quebec, Canada
Application August 6, 1945, Serial No. 609,068
2 Claims. (Cl. 73—228)

1. In flow meters, an annular casing having a cut-out portion in the wall thereof, a transparent tube encircling said casing and providing a window where the same extends over the cut-out in said casing, said casing having an outlet and an inlet, there being a measurement mark depicted on the portion of said transparent tube which forms a window over the cut-out in said casing, a rotatable member in said casing and perpendicular to the axis thereof having a measurement mark depicted thereon to coincide with the aforementioned measurement mark on said transparent tube to complete a flow reading, combination tension and torsion springs suspending said rotatable member, means for adjusting said combination tension and torsion springs, said



rotatable member having a plurality of slots extending therethrough with sloping inner walls, said rotatable member being responsive to the flow of fluid therethrough as the same exerts pressure on the sloping inner walls of the slots in passing therethrough, and said tension and torsion springs positioning said rotatable member and also allowing said rotatable member to turn slightly from its neutral position due to pressure of the fluid passing therethrough.

2,483,191
AUTOMATIC LIGHTING AND CONTROL MEANS FOR GAS BURNERS
Frank A. Gauger, Milwaukee, Wis.
Application June 24, 1946, Serial No. 678,989
3 Claims. (Cl. 158—117.1)



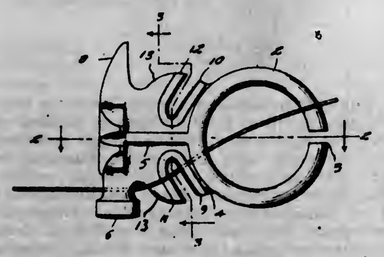
1. The combination of a main burner, a remote constantly burning pilot burner, a second pilot burner for said main burner, flame conducting means between said constantly burning pilot burner and said second pilot burner, charging means for charging said flame conducting means with a combustible mixture, electromagnetic valve means for controlling the flow of fuel to said charging means and said main burner and including an electromagnet having a first winding and a bucking winding and arranged to hold said electromagnetic valve means in a first position to interrupt fuel flow to said main burner and allow fuel flow to said charging means when said electromagnetic valve means has been moved to said first position and said first winding is energized, means for energizing said first winding, a thermocouple arranged to be heated from said second pilot burner and to energize said

bucking winding to release said electromagnetic valve means for motion to a second position to allow fuel flow to said main burner and cut off fuel flow to said charging means, means for moving said electromagnetic valve means to said second position when said bucking winding is energized, a main gas cock in series with said electromagnetic valve means and controlling the flow of fuel to both said main burner and said charging means, and a switch for opening the circuit of said first winding when said main gas cock is closed.

2,483,192
FROTH FLOTATION OF IRON IMPURITIES FROM FELDSPAR
Elmer William Gieseke, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 24, 1945, Serial No. 630,695
4 Claims. (Cl. 209—166)

1. In a concentration by froth flotation of a feldspathic-materials ore, too low in Al_2O_3 assay and too high in ferrous metals oxides and silicates, in which a pulp of the ore is floated with an anionic promoter to produce an enriched feldspathic-materials tailing and a feldspathic-materials concentrate is floated from said tailing with a cationic promoter; the improved method of reducing the ferrous-metals silicates content which comprises the steps of pulping the ore with water; simultaneously conditioning the pulp with a sufficient amount of a member of the group consisting of the water-soluble acids and acid salts yielding free acidic radicals in solution to produce a pH of from about 2.5–5.0 in the pulp at flotation density and with an effective amount of a promoter selected from the group of sulfonated petroleum hydrocarbons obtained in the manufacture of lubricating oil stocks consisting of the oil-soluble, water-dispersible sulfonates of the "mahogany" type, the water-soluble sulfonates of the "green" type and mixtures thereof; subjecting the conditioned pulp to froth flotation and removing the flotation concentrate.

2,483,193
FENCE WIRE ASSEMBLING AND STRETCHING TOOL
James Birch Glaskin, Colorado Springs, Colo.
Application March 14, 1945, Serial No. 582,748
1 Claim. (Cl. 254—77)



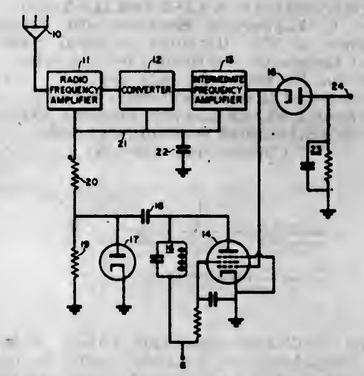
A tool of the character described, comprising a relatively large split leverage ring, a relatively wide web projecting outwardly from a portion of the ring disposed remote to the split portion thereof, said web having a lateral projection at its outer end provided with a restricted shank, said web having a notch opening outwardly of a side edge thereof and disposed between the shank and ring and adapted to engage a portion of a piece of wire to be stretched and which engages partially around said shank and is adapted to be passed through the split part of the ring for engagement with the ring, and the outer end of the web being transversely enlarged and rounded to provide a fulcrum surface engaging portion around which as an axis the tool is adapted to be swung for stretching the wire engaged thereby.

2,483,194
POLYMER AND COPOLYMER OF ALLYL CARBAMATE
Clyde E. Gleim, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 2, 1946, Serial No. 645,232
2 Claims. (Cl. 260—77.5)

1. A polymer of allylcarbamate.

2,483,195
FREQUENCY AND PHASE MODULATION DETECTOR
Harold Goldberg, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 28, 1947, Serial No. 744,502
11 Claims. (Cl. 250—20)

1. A receiver for the reception of an angle

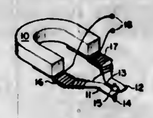


modulated signal comprising: means constituting an amplifying channel having substantially uniform transmission characteristics over a band of frequencies including the frequencies of said signal; a frequency selective automatic gain control system having different transmission characteristics at each frequency in said band; means applying the output of said channel to the input of said system; means applying the output of said system to modulate the gain of said channel as a function of the angle modulation of said signal; and an amplitude responsive detector receiving the output of said channel.

2,483,196
PHONO-PICKUP
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 11, 1947, Serial No. 740,840
5 Claims. (Cl. 179—100.41)

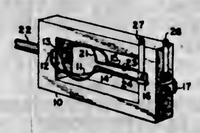
1. In a phonograph pickup: a permanent magnet; a pair of resilient elements of magnetic material, one affixed to each pole of the said magnet, said elements terminating in flat portions lying

in close proximity and forming a gap in an otherwise complete magnetic circuit, corresponding major surfaces of said portions defining spaced mutually parallel planes when said portions are in a position of rest, said elements being resilient only in directions normal to said planes; a stylus;



and means cooperatively securing said stylus to said portions in a manner such that displacement of said stylus in a plane perpendicular to said major surfaces varies the spacing of said planes, said means comprising a body of resilient material formed around said stylus and bearing on the adjacent edges of said portions.

2,483,197
VARIABLE INDUCTOR
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application February 27, 1948, Serial No. 11,373
8 Claims. (Cl. 171—242)



4. A variable inductor comprising a conductor shaped to form a single turn open loop, a second conductor shaped to form a second loop smaller than said first loop, means insulatingly supporting said conductors in a manner such that said loops are concentric, the ends of said second conductor being led from adjacent points of said second loop as a pair of spaced elongated portions, said adjacent points and the open portion of said single turn loop being symmetrically arranged with respect to an axis passing through the common center of said loops, the ends of said elongated portions being held against lateral movement but being rotatable about their respective axes, and means engaging said second loop for rotation thereof about said axis of symmetry, said conductors being serially connected through one of said ends of said elongated portions.

2,483,198
METHOD OF TREATMENT OF LIGNO-CELLULOSIC MATERIAL AND PRODUCT RESULTING THEREFROM
Horace W. Hall, Newton, Mass.
Application March 16, 1943, Serial No. 479,386
3 Claims. (Cl. 8—115.6)

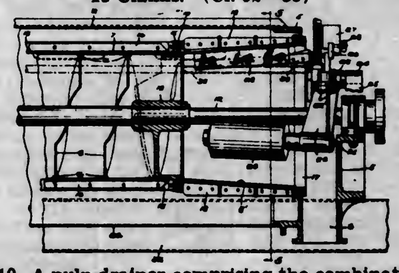


1. A method of manufacture comprising applying urea formaldehyde glue to the surface of ligno-cellulosic material, then applying rock wool to said glue on said surface, then applying pressure to said surface and then applying heat and greater pressure thereto until said material, glue and wool chemically react.

2,483,199
PRODUCTION OF NITROGEN DIOXIDE
John Fessler Haller, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation
No Drawing. Application September 14, 1948, Serial No. 49,293
4 Claims. (Cl. 23—157)

1. In the process for generating nitrogen dioxide by reacting sulfur dioxide with aqueous nitric acid, the step of passing gaseous sulfur dioxide into a liquid body of aqueous nitric acid initially containing not less than 40% HNO_3 and at a temperature within the range of 15°–35° C., and discontinuing the reaction when not in excess of one-half of the HNO_3 initially present has been consumed, whereby the generated nitrogen dioxide is free from other oxides of nitrogen.

2,483,200
PULP DRAINER
Anton J. Haug, Nashua, N. H.
Application March 24, 1945, Serial No. 584,619
13 Claims. (Cl. 92—35)



10. A pulp drainer comprising the combination of an elongated casing provided with a stock inlet at one end and with a stock outlet at the other end, a rotary screen drum extending lengthwise of said casing, means for feeding the stock longitudinally through said drum toward said outlet, an additional screen section of frusto-conical form coaxial with said drum and positioned at the delivery end thereof into which the partially drained stock is delivered by the drum, said additional screen section having a substantially smooth interior surface, a press roll mounted in said conical section for swinging movement in to and out of contact with the stock on the screen surface of the latter section, whereby said roll is operable to press the stock against the conical screen section to force additional water out of it, a yieldingly surfaced scraper mounted within the additional screen section, and means supporting it in a substantially fixed position with its yielding surface bearing against the inner surface of the latter screen section, said scraper comprising a blade having a surface shaped to drag the slivers stuck in the screen inwardly out of it.

2,483,201
PROCESS FOR THE SELECTIVE HYDROGENATION OF ARYLNITROOLEFINS AND PRODUCTS THEREOF
Charles D. Hurd, Evanston, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 20, 1945, Serial No. 600,654
5 Claims. (Cl. 260—566)

1. A process for the selective hydrogenation of arylnitroolefins of the general formula

$$\text{Aryl}-\underset{\text{H}}{\overset{}{\text{C}}}=\underset{\text{NO}_2}{\overset{}{\text{C}}}-\text{R}$$

wherein R is an alkyl group, to obtain a composite reaction product comprising a mixture of

1-aryl-2-nitroalkanes; 1-aryl-2-oxoalkanes and 1-aryl-2-oxoalkane oximes; which comprises subjecting said aryinitroolefin to catalytic hydrogenation, at pressures ranging from 45 to 500 pounds per square inch, in the liquid phase under neutral conditions at temperatures below about 40° C. and in the presence of a noble metal catalyst selected from the group consisting of platinum and palladium.

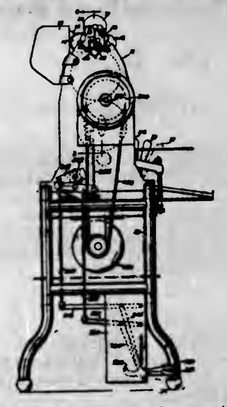
2,483,202
LIGHT REFLECTING DEVICE
William Floyd Jackson, Wilmington, Del., assignor to W. Floyd Jackson Co., Wilmington, Del., a corporation of Delaware
Application May 4, 1946, Serial No. 667,277
2 Claims. (Cl. 240—8.2)



1. A reflector for attachment to the headlight of an automobile to deflect light rays from the headlight laterally to one side of the automobile comprising an elongated body having a rear reflecting face, a pair of reflecting sections at the ends of said body inclining from the reflecting face of said body in relatively flaring relation with rear reflecting faces, said sections being pivoted to said ends for varying the angle of inclination of the sections, and means to attach one section to said headlight with the reflector extending laterally of said headlight in front thereof and beyond said side of the automobile.

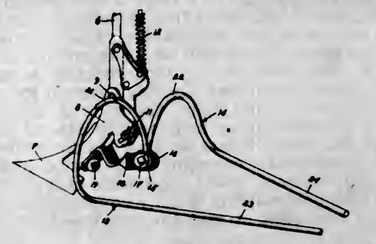
2,483,203
PRINTING MACHINE
Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Original application April 29, 1944, Serial No. 533,276, now Patent No. 2,425,327, dated August 12, 1947. Divided and this application September 8, 1945, Serial No. 615,213
4 Claims. (Cl. 101—216)

1. In a printing machine, a rotary drum, means for attaching the ends of a printing plate thereto, driving means for said drum, a clutch for coupling said driving means to the drum, clutch operating means for effecting said coupling, holding means for holding operating means active, means for automatically releasing said holding means at the end of a half revolution, a manually operable control mechanism for said operating means and including a member connected with said operating means and movable in one direction to cause the clutch to become active and in another direction to an inactive position to permit the clutch to be released, resilient means normally tending to retain said member in an inactive position, a rotatable star wheel cooperating with said member to move said member into an active position as a tooth of the star wheel moves into engagement with said member and releases said member as a tooth passes out of



engagement therewith during rotation of the star wheel, a manually actuatable means to rotate the star wheel to bring one tooth thereof into and out of cooperation with said member for each actuation of said means.

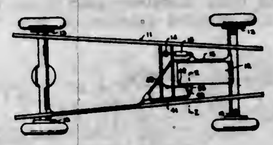
2,483,204
GROUND LEVELING ATTACHMENT FOR CULTIVATORS
Earl S. Johnson and Alf J. Anderson, Minneapolis, Minn., assignors to Better-Bilt Manufacturing Company, Minneapolis, Minn., a partnership
Application November 8, 1947, Serial No. 784,840
4 Claims. (Cl. 97—56)



1. The combination with a cultivator shoe having a supporting shank having means at its lower end for securing the shoe thereto, of a ground leveling device comprising a resilient rod-like member having its forward end only secured to a support attached to the rear of said shank, said member extending upwardly, outwardly and downwardly from said support and terminating in a rearwardly and inwardly extending straight portion which straight portion is adapted to inwardly move the soil at the side of a furrow left by the cultivator shoe, thereby to substantially level the ground surface traversed by said member.

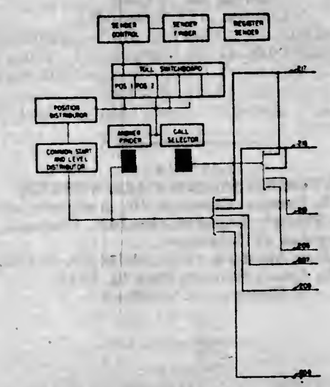
2,483,205
INTERMITTENT BRAKE
Bonnie G. Jones, near Williamsburg, Ky.
Application August 13, 1945, Serial No. 610,411
1 Claim. (Cl. 188—152)

A motor vehicle provided with hydraulic brakes, a fluid control system for operating said brakes, an auxiliary cylinder communicating with said fluid control system, a piston in said cylinder, means for oscillating said piston, resilient means for urging said piston to disengage said oscillating means, mechanism comprising an inclined plane adapted to positively retain said piston from engaging said oscillating means, said mechanism adjustable to permit a variation of



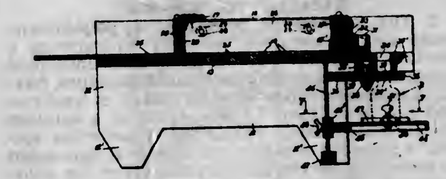
oscillation of said piston, said piston being adapted to automatically engage said oscillating means in response to a predetermined pressure on said fluid except when positively retained therefrom, and manual control means operatively connected to said mechanism for selectively engaging, disengaging or limiting the oscillation of said piston.

2,483,206
TRANSMISSION OF TONE TO WARN THE OPERATOR OF A MOMENTARY DISABLEMENT OF A TELEPHONE TALKING CONNECTION BY A COIN COLLECTOR
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 30, 1947, Serial No. 794,481
10 Claims. (Cl. 179—6.3)



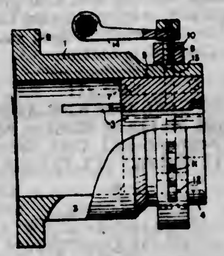
7. In a telephone system wherein the talking circuit of a trunk circuit in an established connection from a calling line to an operator's position is automatically disabled within a predetermined time after the operator answers the trunk call and then is thereafter automatically re-established after a further interval of time, in combination with circuit means for momentarily transmitting a tick tone from said trunk circuit to said operator's position in response to the operator's answering the trunk call, and additional circuit means for continuing transmission of said tick tone until re-establishment of said talking circuit to inform the operator when conversation over the talking circuit may be commenced.

2,483,207
MACHINE FOR COUNTING AND BOTTLING PELLETS AND THE LIKE
Selig Joseph, Los Angeles, Calif., assignor to Jerome Rubens, Los Angeles, Calif.
Application June 29, 1945, Serial No. 602,369
3 Claims. (Cl. 226—3)



1. In a machine for counting pellets and feeding them to a receptacle: a hopper, a movable guide member under said hopper and having guide ways on its underside for the tops of receptacles, and having feed holes of different sizes therethrough, at the ends of said guide ways, for different sizes of receptacles, to be moved selectively into register with said hopper, a supporting table under said guide member for receptacles and having guide means thereon for positioning the base of said receptacles, according to size, in cooperation with the guide member for the tops of said receptacles, whereby to facilitate the quick and accurate placement of receptacles to receive pellets and the like from said hopper.

2,483,208
FLEXIBLE JAW CHUCK
Ernest J. Krupp, East Detroit, Mich.
Application March 10, 1947, Serial No. 733,456
9 Claims. (Cl. 279—41)



7. A chuck comprising an annular body having a plurality of substantially equidistant slots extending from one of its ends in substantial parallelism with the chuck axis and forming a set of radially flexible jaws, each jaw being formed in its inner face with a radial groove extending in parallelism with the chuck axis, a gripping tooth set into each such groove and inwardly projecting from the corresponding jaw, a ring surrounding such jaws, means carried by said ring for applying a pressure, directed substantially toward the chuck axis, to one of said jaws, and means for transmitting pressure acting substantially toward the chuck axis from the ring to each of the other jaws, said means including elements adapted to rotate about axes substantially parallel to the chuck axis.

2,483,209
METHOD FOR HYDROLYZING CHLOROSILANES AND PREPARING POLYSILOXANE RESINS
Harry F. Lamoreaux, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 21, 1945, Serial No. 630,135
7 Claims. (Cl. 260—46.5)

1. The method of preparing a polysiloxane resin which comprises partially hydrolyzing a mixture of monovalent hydrocarbon-substituted chlorosilanes including methylchlorosilanes having a hydrocarbon-to-silicon ratio of at least one and not more than 1.5 by adding to a solution of said chlorosilane mixture in a polyether solvent a quantity of water less than that calculated as necessary for complete hydrolysis of the chlorosilanes, heating the resultant product to remove a major portion of the hydrogen chloride dissolved therein and thereafter adding sufficient water thereto to complete the conversion of the chlorosilanes to polysiloxanes.

2,483,210
ENGINE ROCKER ARM
James M. Leake, Monroe, Mich.
Application July 26, 1945, Serial No. 607,171
11 Claims. (Cl. 74—519)



1. An engine rocker arm comprising; a central bearing support; arms extending in opposite directions from said bearing support comprising a stamping of inverted U-shaped cross section; a hollow partial prism at one end of one of said arms; a threaded member secured in said hollow partial prism; and a reinforcing member, comprising a stamping, adapted to substantially close the opening of said stamping of inverted U-shaped cross section, and also provided with a projecting portion secured to said threaded member and to the side walls of said stamping of inverted U-shaped cross section.

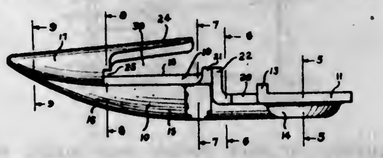
2,483,211
ENGINE ROCKER ARM
James M. Leake, Monroe, Mich.
Application September 21, 1945, Serial No. 617,827
11 Claims. (Cl. 74—519)



1. An engine rocker arm comprising an arm member provided with spaced side walls; a hub member extending transversely to said arm member intermediate its ends; a slot in said hub; an inner stamping engaging said hub between said side walls and terminating in a tubular portion and a wick secured in said slot and said tubular portion whereby oil is transmitted from said hub to a predetermined point.

2,483,212
MOWER GUARD
James M. Leake, Monroe, Mich.
Application February 26, 1946, Serial No. 650,231
1 Claim. (Cl. 56—310)

A mower guard body member formed from a single, metal blank, sheet of predetermined size and shape, said body member comprising upper and lower body portions; said upper body portion comprising an upper nose portion at the forward end thereof, and an upper lip portion extending rearwardly from said nose portion; said lower body portion comprising a lower nose portion at the forward end thereof, a substantially T shaped mid-section extending rearwardly from said lower nose portion, and a dished portion near the rear of said body member; said lower nose portion and the vertical portion of said T shaped

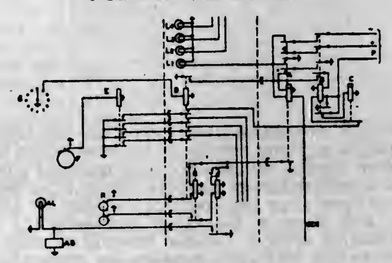


mid-section being substantially solid by being formed from two vertical extending walls in vertical contacting relation, the horizontal portion of said T shaped mid-section forming a substantially solid base for supporting a ledger plate, a flat surface portion partially surrounding said dished portion, and the base of said dished portion provided with an opening through which a fastening member may extend to secure said mower guard to the guard bar of a mower.

2,483,213
ALPHA NAPHTHALENE SULFONIC ANHYDRIDE
Hans Z. Lecher, Plainfield, and Frederic Henry Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 14, 1947, Serial No. 754,768
7 Claims. (Cl. 260—545)

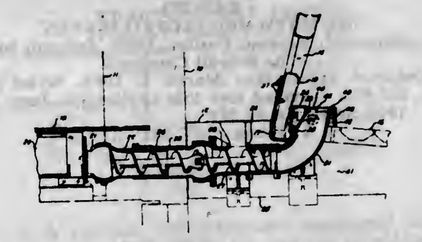
2. A method of preparing alpha-naphthalene sulfonic anhydride which comprises reacting sulfur trioxide with naphthalene in a solvent selected from the group consisting of dimethyl sulfate, diethyl sulfate, phosphorus oxychloride and mixtures thereof.

2,483,214
TELEPHONE ALARM CALL SYSTEM
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application April 16, 1945, Serial No. 588,623
In Great Britain May 11, 1944
6 Claims. (Cl. 179—2)



6. In a telephone system, a plurality of subscriber's lines, a time controlled means for automatically applying ringing current to all the idle ones of said lines at a predetermined time each day, and a relay operated responsive to a busy one of said subscriber's lines becoming idle to control the application of ringing current to said one line.

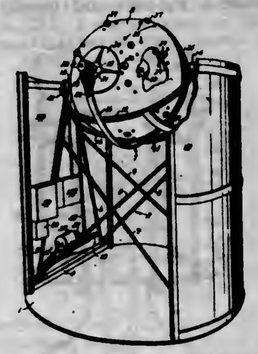
2,483,215
INSIDE DELIVERY SCATTER FEED STOKER
John B. Marsden, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 29, 1944, Serial No. 570,278
1 Claim. (Cl. 110—105.6)



In a locomotive, provided with a firebox having a forwardly and upwardly sloping rear water leg disposed throughout in a straight flat plane with a firing opening therein and a mud ring at its lower end; an elbow shaped fuel feed conduit extending forwardly beneath said mud ring and thence extending upwardly through said grate and terminating at its discharge end forward of the plane of said rear water leg and at approximately the normal level of the firebed, the upwardly extending portion of said conduit being in such proximity with respect to said rear water leg that its upper rearward edge lies in a vertical transverse plane intersecting the plane of said rear water leg below the lower edge of said firing opening, said conduit having a recess in its rear wall extending from its upper edge downwardly below the normal level of the firebed, and a hollow pressure fluid distributor head mounted in said recess and extending above the upper edge of said conduit, said distributor head having its lower hollow portion adjacent the lowermost end of said recess projecting outwardly of said conduit and its major upper hollow portion projecting inwardly of and within said conduit, the inwardly projecting portion of said hollow distributor head tapering from its upper end adjacent the mouth of said discharge conduit to its lower end adjacent the bottom of said recess, the lower outwardly projecting portion of said distributor head being provided with downwardly opening pressure fluid admission ports and the upper inwardly projecting portion of said distributor head being provided with a plurality of jet apertures directed across the delivery mouth of said discharge conduit for directing a plurality of fluid jets against the fuel emerging from said conduit.

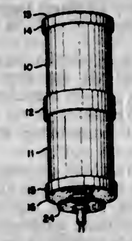
2,483,216
STAR IMAGE PROJECTING APPARATUS
Roy K. Marshall, Narberth, Pa.
Application June 11, 1946, Serial No. 675,978
8 Claims. (Cl. 88—24)

1. An apparatus for projecting star images onto a curved projection field comprising, a cradle member having a pair of spaced bearings forming an axis of rotation for said cradle member, means to support said cradle member for rotation on said axis, a hollow spherical member rotatably mounted in said cradle member between said bearings on an axis at a right angle to the axis of said bearings, said axes intersecting at the geometrical center of said hollow spherical member, a source of light located inside the spherical member, a plurality of lens assemblies mounted in the wall of the spherical member and adapted to transmit light from the light source to the curved projection field, an apertured star plate carried by each lens assembly and having a plurality of image-forming apertures therein,



means to cause rotation of the spherical member about either of said axes independently, and means for visually indicating the orientation of the spherical member about each of said axes.

2,483,217
ANTENNA
David W. Martin, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application April 21, 1947, Serial No. 742,857
9 Claims. (Cl. 250—33.51)

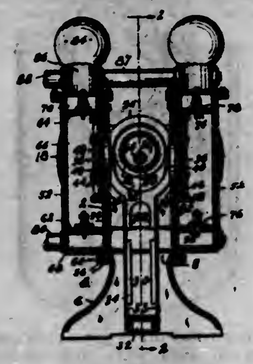


7. A directional antenna comprising a pair of vertically extending cup-shaped conductive elements arranged with their closed ends in adjacent but insulated relation, a pair of centrally interrupted conductive devices each symmetrical with respect to the axis of said elements and each disposed in one of said elements in adjacent and parallel relation to the closed end thereof, said devices being mounted for relative rotational movement as a unit with respect to said elements about the axis thereof, means conductively connecting each side of each of said devices to the opposite side of the other and an electrical connection to the electrical mid-point of each of said connecting means.

2,483,218
PUMP
Campbell A. Meath, Houston, Tex.
Application January 15, 1947, Serial No. 722,264
3 Claims. (Cl. 103—150)

1. A pump comprising a casing having means through which a fluid may enter and leave the casing, an upright hollow frame to which said casing is secured, said casing and frame having registering openings, a diaphragm reciprocably mounted between the casing and the frame to seal said registering openings and force the fluid

through the casing, a one-piece yoke connected to the diaphragm and located in the frame, a rotatable eccentric adapted to impart a reciprocatory motion to the yoke and thereby actuate the



diaphragm a pair of elongated resilient legs supporting the yoke and extending down into the lower part of the frame, and supporting means for said resilient legs fixed to the lower portion of the frame.

2,483,219
POLYALKYLATED MONOHYDROXY CYCLIC SULFONES
Rupert C. Morris and Norten C. Melchior, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 4, 1946, Serial No. 667,483
12 Claims. (Cl. 260—329)

1. A compound containing a five-membered heterocyclic nucleus consisting of four nuclear carbon atoms and one sulfonyl radical wherein at least two of the nuclear carbon atoms of said heterocyclic nucleus are directly attached to alkyl radicals and wherein one of the nuclear carbon atoms of said heterocyclic nucleus is directly attached to the hydroxy radical, the remaining free bonds of the nuclear carbon atoms of said heterocyclic nucleus being directly attached to members of the group consisting of the hydrogen atom and the hydrocarbon radicals.

2,483,220
BIT
Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company
Application March 8, 1946, Serial No. 652,972
3 Claims. (Cl. 262—33)



1. A cutting bit, comprising a bit body provided with a cutting end and having an active cutting face and a face backing portion, said backing portion having an edge surface approaching said face surface at an acute angle, a recess extending inwardly of said bit, said recess extending from said active cutting face into said backing portion and lying substantially parallel to said backing portion edge surface, a hard metal insert positioned in said recess, said insert being exposable by the wearing away of the active cutting face.

2,483,221
BIT WITH PROTECTED INSERT
Harry M. Morrow, Canton, Ohio, assignor to The Bowdil Company
Original application March 8, 1946, Serial No. 652,972. Divided and this application June 10, 1949, Serial No. 98,267
6 Claims. (Cl. 262—33)



1. A cutting bit, comprising a bit body provided with a cutting end and having an active cutting face and a face backing portion, a recess extending from said backing portion to said active cutting face, an elongated hard metal insert positioned in said recess, the longitudinal axis of the hard metal insert sloping rearwardly away from the cutting face and defining an acute included angle between the said axis and said face, said insert being exposable by the wearing away of the active cutting face.

2,483,222
TRACTOR SEAT CUSHION
Willard F. Moss, Chicago, Ill.
Application August 31, 1945, Serial No. 613,847
1 Claim. (Cl. 155—184)



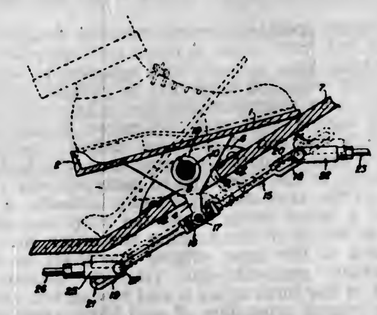
A reversible seat cushion comprising two substantially similar flexible sheets stitched together along their periphery, an inwardly extending arcuate line of stitching further securing the two sheets together and extending from two points at the front of the sheets that are equally spaced on opposite sides of the center of the cushion, said arcuate line of stitching extending inwardly from the front edge of the sheets an amount less than half of the effective width of the sheets and forming a front flap, padding separating the sheets between the inner arcuate line of stitching and the encompassing perimeter of the sheets, and a lesser amount of padding separating the sheets at said flap portion, said lesser amount of padding being of a maximum thickness less than half the maximum thickness of the first mentioned padding, the area of the material of the front flap being greater than the area of the space embraced by the arcuate line of stitching of the padded cushion whereby the flap as a unit may be freely bulged upwardly or downwardly while leaving in their normal positions the portions of the front of the cushion that are on opposite outer sides of the arcuate line of stitching.

2,483,223
TRACTOR SEAT COVER
Willard F. Moss, Chicago, Ill.
Application October 1, 1945, Serial No. 619,641
2 Claims. (Cl. 155—184)



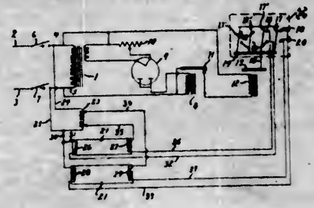
1. A cushion for a concave implement seat, comprising a pad, covers for opposite sides thereof, an attaching rim, and a single line of stitching connecting them all together, said attaching rim having a resilient edge, the outer cover comprising separate pieces with interfitting curved recessed and projecting portions of different curvatures at the central portion of the cushion and each terminating in straight portions extending from the curved portions to the periphery of the cushon, said interfitting portions and adjacent straight portions being stitched together to provide a fullness inwardly of the edge to fit concave seat portions, to extend over the concave portion of a seat to which it is applied.

2,483,224
PEDAL MECHANISM
Adolph J. Narcovich, Ashland, Pa.
Application October 21, 1947, Serial No. 781,219
1 Claim. (Cl. 74—478)



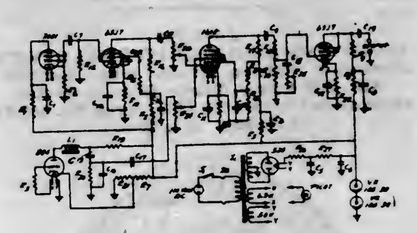
Mechanism for operating a throttle control pull rod and a brake control pull rod of an automobile comprising a foot pedal, means for pivotally mounting said pedal for vertical rocking movement forwardly and rearwardly, respectively, from a normal intermediate position, a single lever arm depending from said pedal for swinging in opposite directions by rocking of said pedal forwardly and rearwardly, respectively, means for yieldingly maintaining said pedal in intermediate position, a link pivoted intermediate its ends on said lever arm for vertical rocking and endwise movement thereon and having slot and pin connections with said pull rods whereby swinging of said lever arm in opposite directions exerts a pull on said pull rods alternately, said pin and slot connections providing for lost motion between said link and either pull rod when pull is exerted on the other pull rod.

2,483,225
FLUORESCENT LAMP CIRCUIT
Lester J. Nevills, Lemay, Mo., assignor of one-half to Stupp Bros. Bridge & Iron Company, St. Louis, Mo., a corporation of Missouri
Application October 16, 1947, Serial No. 780,195
11 Claims. (Cl. 315—97)



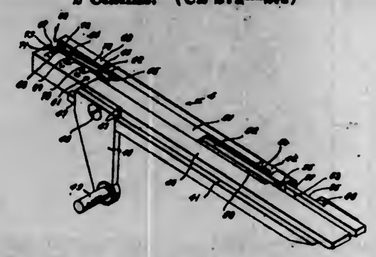
1. A control circuit for a plurality of light fixtures comprising a transformer; a pair of light bulbs having a pair of heating elements in each bulb; a switch panel having a plurality of pairs of switch blades thereon; circuit means to connect the heating elements in each lamp, the switch blades and the transformer so that there is a separate circuit for each lamp and one of said blades; a relay to simultaneously actuate said switch blades to disconnect said elements and to simultaneously impose a voltage across each of said lamps; and a time delay mechanism to operate said relay.

2,483,226
ELECTRONIC NOISE GENERATOR
Edwin B. Newman, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application October 29, 1945, Serial No. 625,163
6 Claims. (Cl. 250—36)



1. A device for electrically simulating the noise of an airplane in flight over a sound producing means comprising a random spectrum generator for producing oscillations corresponding to the oscillations of noise produced by air turbulence about the airplane's structure in the airstream, a line spectrum generator having an inductance means in its output circuit effective in generating low frequency components of airplane noise wherein said line spectrum generator produces a fundamental frequency and harmonics thereof corresponding to the frequencies produced by noise from the propeller, means to combine the output oscillations of both spectrum generators in a mixer amplifier circuit, means coupling the mixer amplifier output to a network having an adjustable resistance included therein for adjusting the frequency transmission characteristic, and an output power amplifier coupled to said network whereby the mixed oscillations are amplified for sound production.

2,483,227
ADJUSTABLE FEED FINGER FOR FEEDING TICKET STRIPS
Haddon S. Owen, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application February 15, 1947, Serial No. 728,894
2 Claims. (Cl. 271—5.4)



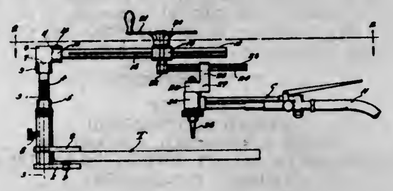
1. In a machine for advancing to predetermined positions sections of a strip of tickets formed with spaced aligned feed openings, a ticket strip guide constituting a work table and formed with an elongate guideway disposed beneath the aligned openings of the strip of tickets, a feeder comprising a feed-finger support mounted in the guideway for reciprocating movement lengthwise of the guideway below the level of the ticket strip on the work table, the support having a longitudinally extending groove in its upper surface, a feed finger slidably mounted within the groove and having an upwardly projecting prong engageable with said feed openings, the support and finger having slidably adjustable, cooperative interfitting parts in said groove for adjusting the finger to predetermined positions lengthwise of the support, whereby adjustment of the finger may be readily made from above said work table while maintaining the space above the work table free from the feeder and adjustable parts therefor.

2,483,228
COMPOUND ANGLE MEASURING DEVICE
Lawrence F. Palmer, Mentor, Ohio, assignor to Alfred H. Bower, Toledo, Ohio, as trustee
Application October 23, 1945, Serial No. 623,971
3 Claims. (Cl. 33—1)



1. An angle calculator having a stationary horizontal base comprising two relatively rotationally settable sections, an arcuate support on one of the base sections, an arcuate member circumferentially slidable in a vertical plane in the arcuate support, a tiltable member comprising two relatively rotationally settable sections one of which is pivoted at diametrically opposite points on the arcuate member, a second arcuate member rigidly carried by the second section of the base and defining a vertical plane, a traveler slidable on the second arcuate member and having pivotal connections at two diametrically opposite points on the second section of the tiltable member whereby the axis of pivotal connections is constrained to lie in the vertical plane of the second arcuate member, means for measuring the angle made with the base by the axes of the two pairs of pivots respectively, means for measuring the angle of rotation of the tiltable member about the first-named pair of pivots with respect to the first arcuate member, and means for measuring the angle of rotation of the tiltable member about the second-named pair of pivots with respect to the second arcuate member.

2,483,229
CIRCLE CUTTING MACHINE
Elbert B. Parker, Oklahoma City, Okla.
Application March 12, 1946, Serial No. 653,814
1 Claim. (Cl. 266—23)



A hand operated cutting machine designed to be moved from place to place and comprising a relatively long support arm adapted to be detachably mounted upon and in parallel relation with a work supporting surface, a relatively long head having said arm extending transversely through one end thereof for sliding movement on the arm, a shaft extending through the head adjacent to the other end in perpendicular relation to the arm, the shaft being turnable in the head, a hand crank connected with the upper end of the shaft for turning the latter, an arm secured to the lower end of the shaft in substantially perpendicular relation thereto, a block in the form of an L and having two angularly related arms, one of said block arms having the second mentioned arm slidably extended transversely therethrough whereby the block is suspended from and may be shifted longitudinally on the second arm, the other block arm being parallel to the second arm and disposed to be shifted to a position directly in line with said shaft, a pivot member secured to the second arm and adapted to be brought into alignment with the shaft, means connected with the pivot member for supporting the head of a cutting tool, the said cutting tool supporting means comprising a shell housing having a side wall recess, the housing being open at one end through which the recess opens, the said pivot extending from the other end of the housing through the said other block arm, and means threaded on the open end of the housing for covering the open end of the recess and for securing the cutting tool head in the housing.

2,483,230
PROCESS OF AND APPARATUS FOR SECURING PARTS TO ROTOR BLADE SPARS
John T. Parsons and Erik R. Bregren, Traverse City, Mich., assignors, by mesne assignments, to Parsons Corporation, Detroit, Mich., a corporation of Michigan
Application May 3, 1946, Serial No. 667,210
14 Claims. (Cl. 154—1.6)



1. A fixture for securing parts upon and along the length of a tubular spar comprising, in combination, a frame base provided with a line of spar supports, a tubular frame member supported at one end upon the base and seated at intervals along its length upon said spar supports for slidable extension thereover, said tubular frame member provided at intervals along its length with a row of upright supports for spar parts to be secured to a tubular spar extending along said row.

13. That process of securing by thermal adhesion a plurality of parts to and along a tubular element comprising supporting the tubular element for linear expansion under heat, holding said parts spaced along said tubular element by positioning them along a second tubular element supported for linear expansion under heat, and heating said two tubular elements simultaneously.

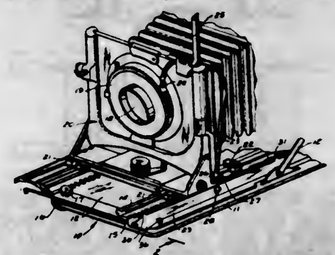
2,483,231
LOUD-SPEAKING TELEPHONE SET WITH LOW ACOUSTIC COUPLING
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 17, 1946, Serial No. 691,279
8 Claims. (Cl. 179—1)



1. A distant talking and listening telephone set comprising a focusing parabolic sound reflector, a telephone loudspeaker apparatus being positioned in said set within said reflector on a vertical line which passes through the foci of said reflector and on a vertical plane coincident with the axis of said reflector so that a substantially equal volume of waves from said loudspeaker is transmitted on either side of the plane, said speaker having its axis normal to the axis of said reflector, and a transmitting means mounted on said set in such a position that its axis is coincident with said reflector axis and so that its approximate center lies on said vertical line, said set thereby effective to operate with a minimum amount of feedback occurring in the transmitting means.

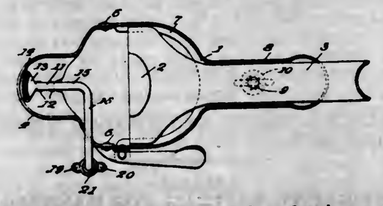
2,483,232
SHUTTER RELEASE FOR FOLDING CAMERAS
Russell E. Prentice, Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 29, 1946, Serial No. 673,087
1 Claim. (Cl. 95—53)

In a photographic camera of the folding type having a bed, a lens, a shutter having shutter release means, a lens carrying member slidable along said bed for focusing and means for positioning the lens carrying member for using lenses of different focal lengths, a focusing knob rotatable for moving the lens carrier and lens to maintain critical focus, a shutter release means comprising at that side of the bed opposite the focusing knob, a pivoted plate extending along the camera bed and having its ends beveled directly toward the said bed, a flexible cable release member extending from said plate to the shutter release means within said shutter and clamping means for said release member attached to the lens carrying member adjacent the said pivoted plate, said cable release member comprising a



sheath and having a rounded contact member engageable by said pivoted plate when it is swung upwardly, and a tripping member extending laterally across the bed and at the interior side thereof adjacent the lens carrying member when in position and having contact with said plate below the pivot means therefor so that when the tripping member is moved laterally the said plate will be swung about its pivot means, said tripping member having finger engageable means extending downwardly through an aperture in the bed and adjacent the focusing knob so located that it may be moved to trip the shutter while gripping the focusing knob and by the same hand that grips said knob.

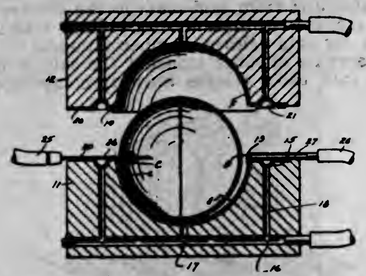
2,483,233
SPECULUM
Johnnie Porter Price, Monticello, and William T. Stover, Little Rock, Ark.
Application June 7, 1948, Serial No. 31,546
1 Claim. (Cl. 128—244)



The combination of a speculum having a pair of opposed dilating jaws pivotally connected adjacent their rearward ends, the inner opposed surfaces of said jaws being concave in transverse section and terminating in spoon-shaped forward portions; and a fluid conduit secured to one of

said jaws and extending longitudinally along the inner surface thereof for at least a major portion of the length of said surface, the rearward end of said conduit being adapted to be connected to a source of fluid pressure or of suction and the forward end of said conduit being disposed completely within the concavity of said one jaw and terminating, adjacent the forward end of said one jaw, in a substantially forwardly-directed transversely-elongated outlet which is substantially parallel to and conforms to the curvature of the inner surface of said one jaw.

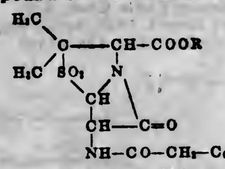
2,483,234
METHOD OF MAKING HOLLOW RUBBER ARTICLES
Fred Thomas Roberts, Ridgefield, Conn.
Application August 11, 1945, Serial No. 610,251
11 Claims. (Cl. 154—16)



6. The method of making multiple layer balls comprising seating sheets of flexible impervious material in a pair of coacting cavitary molds, taking a previously formed ball, inserting a valve stem into such ball, placing the ball in one of the lined cavities with the valve stem extending therefrom, providing a conduit to exhaust the air from the space between the original ball and lining, bringing the mold members together to join said linings, then supplying compressed fluid through the valve stem into the interior of the inner ball and exhausting the air through the exhausting conduit from between the ball and lining.

2,483,235
ESTERS OF PENICILLIN S-DIOXIDE
Edward F. Rogers, Middletown, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 19, 1946, Serial No. 663,621
6 Claims. (Cl. 260—302)

1. A compound of the formula



wherein R is selected from the group consisting of lower alkyl and aralkyl.

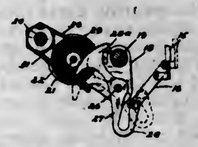
2,483,236
DECORATIVE MATERIAL FOR HANDBAGS
Gustav G. Rona, New York, N. Y., assignor to Corona Enterprises, Inc., New York, N. Y.
Application February 4, 1946, Serial No. 645,393
6 Claims. (Cl. 41—10)

1. A relatively thin and pliable plastic material, one surface of which is composed of rectangular pillow-shaped elements, the marginal edges of each of which are stitched to adjoining elements to provide on the opposite surface, two parallel



sets of interrupted ribs disposed at right angles to each other, and the intersections of which have a small space to avoid bunching and crossing-over of the material.

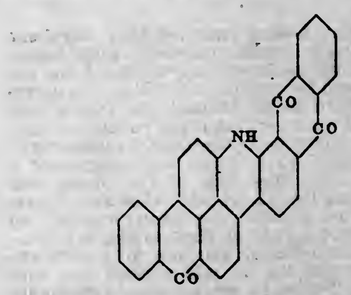
2,483,237
RETARD GAUGE CONSTRUCTION
Alexander D. Rose, Park Ridge, Ill., assignor to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois
Application September 20, 1946, Serial No. 698,286
5 Claims. (Cl. 73—397)



5. In a retard gauge having a pressure-responsive element, a frame, an indicator shaft, and a transmission member mounted on said frame and movable in two directions by said pressure-responsive element to actuate said indicator shaft, a retard construction comprising a column associated with said frame, a supporting member adjustably fixed on said column, an elongated relatively-stiff resilient member secured to said supporting member and having a free end thereof positioned on one side of said transmission member for being engaged thereby to retard movement thereof in one direction beyond a limited range.

2,483,238
PURIFICATION OF VAT DYESTUFFS
Mario Scalera, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporatio nof Maine
No Drawing. Application March 23, 1944, Serial No. 527,847
12 Claims. (Cl. 260—274)

1. A method for the purification of a water-soluble leuco derivative of a vat dyestuff selected from the group consisting of a leuco derivative of the vat dyestuff of the following formula:



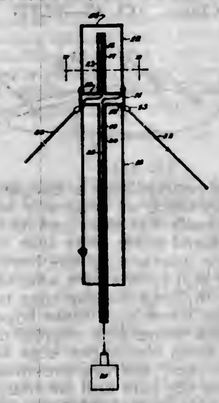
and leuco derivatives of the halogen substituted, alkyl substituted, alkoxy substituted, amino substituted, anthraquinonylamino substituted, and acylamino substituted derivatives of said dyestuff, which comprises the steps of forming a strongly alkaline vat of said leuco derivative, mixing with said vat an amount of a soluble ionizable sodium compound sufficient to form a precipitate of a leuco derivative of said dyestuff and also to form a mixture containing a total of at least about 4% by weight of combined sodium, and recovering said precipitated leuco derivative in substantially pure form.

2,483,239
MULTIPLE PRESSURE FLUID MOTOR MECHANISM FOR PUSHING AND PULLING
John C. Sharpe, Hayward, Calif.
Application October 16, 1945, Serial No. 621,510
1 Claim. (Cl. 60—97)



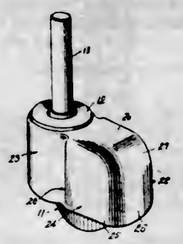
A device of the class described, comprising a body having a longitudinal passage therethrough, a pair of valves mounted in the body in spaced relationship and extending transversely of the passage, said body having a pressure fluid conducting port therein and communicating with the passage at a point between the valves, a cylinder mounted on each end of the body and in direct fluid communication with said passage, a piston slidably mounted in each cylinder, caps closing the outer ends of the cylinders, said pistons having rods thereon slidable in the caps, said rods having longitudinal passages therein and ducts opening into the cylinder heads of the pistons, means for introducing fluid under pressure through the passages of said rods and from said ducts into the cylinders between the caps and piston heads to move the pistons selectively inwardly, said valves being selectively operable to move said pistons outwardly.

2,483,240
ANTENNA SYSTEM
John P. Shanklin, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 7, 1945, Serial No. 614,876
13 Claims. (Cl. 250—33)



10. In an antenna system, two collinear metallic cylinders, an insulating collar between them, a co-axial feed line and a co-axial short-circuited transmission line of predetermined length, each of said lines being mounted in a respective one of said cylinders, the outer conductor of each line being connected to the inner conductor of the other line and to the cylinder in which it is mounted.

2,483,241
CASTER GUARD
Nathaniel T. Shepherd, Salt Lake City, Utah, assignor of one-half to Precision Metal Workers, Chicago, Ill., a corporation of Illinois
Application February 27, 1946, Serial No. 650,677
2 Claims. (Cl. 16—18)



1. A caster guard adapted to be removably mounted on a caster having a frame with a partially circular bearing housing and depending legs, a stem extending upwardly from said frame axially of said housing, and a roller supported between said legs, said guard comprising a one-piece hood adapted to be removably supported on said frame including a top wall adapted to rest on said frame and having an opening to receive said stem, said hood also including a depending perimetrical skirt portion extending all around said top wall to enclose the lower portion of the caster, said skirt portion being formed with a partially cylindrical section for snugly embracing said bearing housing and a generally elongated section enclosing said legs and said roller, said sections being defined by vertical grooves indented in the side walls of said skirt and effective to frictionally grip the sides of said frame for retaining said hood in assembled relation with the caster.

2,483,242
DRYING RACK
Carl F. Smith, Faribault, Minn.
Application June 2, 1945, Serial No. 597,367
3 Claims. (Cl. 211—100)

1. A drying rack for stockings or other articles having in combination, an elongated casing substantially rectangular in transverse cross section and having an open side, a pivot member extending between the sides of said casing adjacent its upper end, a bar having an elongated slot adjacent one end through which said pivot member passes so that said bar is swingable on said pivot member and may be moved to substantially horizontal position, said bar being movable inwardly in said casing with said slot moving relatively to said pivot member, means adjacent the top of said casing engaging the inner end of said bar when so moved to hold it in said substantially horizontal position, a plurality of spaced supporting means pivotally connected to said bar and adapted to depend therefrom when said bar is in horizontal position and to swing to ver-

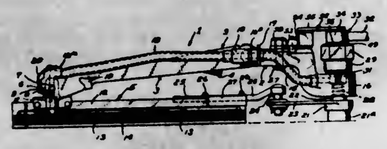
tical position at the inner side of said bar when said bar is in vertical position in said casing, said bar and supports being swingable and disposable in said casing when said bar is moved outwardly relatively to said pivot member, said supporting



means each comprising a clip having jaws spring pressed to closed position and a link for each of said clips pivotally connected at one end to the under side of said bar when in horizontal position and pivotally connected at its other end to said clip

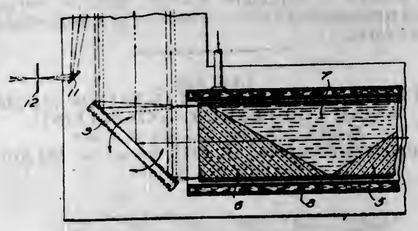
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2,483,243
FLUID TRANSMISSION CONNECTION FOR CLEANER WIPERS
Theodore J. Smulski, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application February 11, 1944, Serial No. 521,904
7 Claims. (Cl. 15—250.4)

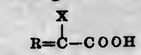


1. In a windshield wiper mechanism which includes an oscillatory wiper arm adapted to transmit cleaning fluid to the windshield from a stationary source of supply, in combination, a wiper arm section adapted for attachment to an operating shaft for oscillation thereby, said wiper arm section being formed with a fluid transmitting passage, a fluid transmitting joint unit having an axial passage therein and secured in fixed, substantially coaxial relation with the wiper arm section, and in fluid transmitting communication therewith, a second joint unit axially inserted in fluid transmitting coaxial relation with the first and with capacity for relative axial movement and for relative rotatory movement of the joint units, and a retaining member carried by the wiper arm section in position to overlie the second joint unit and limit movement thereof in the direction of the shaft axis.

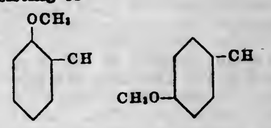
2,483,244
WERNICKE PRISM SPECTROMETERS AND IMPROVED LIQUIDS THEREFOR
Robert Franz Stamm, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 21, 1945, Serial No. 583,957
7 Claims. (Cl. 88—1)



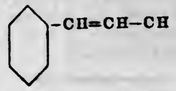
1. A Wernicke prism having glass end prisms symmetrically arranged and having substantially identical optical properties, the liquid section of which is filled with a substantially clear liquid ester of an acid having the formula:



in which X is selected from the group consisting of hydrogen or alkyl and R is selected from the group consisting of



and



the glass of the end sections having a dispersion much less than the liquid ester.

2,483,245
FISHING LURE
Edward F. Steinhart, Wildwood Crest, N. J.
Application June 19, 1947, Serial No. 755,538
1 Claim. (Cl. 43—42.32)



A fishing lure comprising a buoyant, relatively narrow solid block of generally wedge-shape having two opposite flat sides and its contour defined by a straight lower edge face, an inclined upper edge face intersecting the lower edge face at the trailing end of the lure and an upwardly and outwardly inclined leading edge face extending between the lower and upper edge faces, the sides of the block converging slightly downwardly and inwardly from the upper edge face toward its lower edge face, mirrors provided upon the opposite sides of the lure and covering the major portion of the area of said sides, weighting means in said block adjacent its lower edge face, and hooks secured to the upper edge face of the lure

and supported thereby against movement substantially below the plane of said upper edge face, said block being entirely free from projections upon its lower edge face and sides, and the width of the upper edge face relative to the length of the shanks of the hooks being sufficient to prevent the shanks from dropping appreciably below the plane of said upper edge face.

2,483,246
SEPARATION OF PRIMARY, SECONDARY, AND TERTIARY ALCOHOLS BY AZEOTROPIC DISTILLATION
Josephine M. Stribley, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 16, 1945, Serial No. 588,717
9 Claims. (Cl. 202—42)

1. A process for the treatment of a mixture of primary, secondary and tertiary alcohols boiling in the same temperature range to separate said mixture into its constituent parts which comprises azeotropically distilling said mixture in the presence of a sufficient amount of an azeotrope former comprising an oxygen ester selected from the group consisting of alkanol nitrates, nitrites, borates, carbonates, formates, acetates, and propionates, said ester having a boiling point not more than 20° C. below and not more than 20° C. above the average boiling point of said mixture of alcohols, said azeotrope former having the effect of forming minimum boiling azeotropes with the primary, secondary and tertiary alcohols in the mixture in such a manner that the difference in boiling points of the azeotropes thus formed is greater than the difference in boiling points of the alcohols whereby the primary, secondary and tertiary alcohols may be separated from each other.

2,483,247
LAMP SOCKET AND RESISTOR THEREFOR
Lester L. Stoffel, Lakewood, Ohio, assignor to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1946, Serial No. 657,882
9 Claims. (Cl. 201—49)

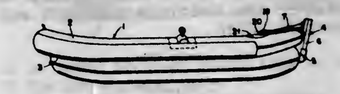


1. The combination of a socket having a sleeve and a terminal therein insulated from the sleeve and a resisting unit having a pellet of high resistance conductive material tightly mounted in a comparatively stiff insulating disc, said disc being positioned within the sleeve to hold the resisting material in registration with the terminal.

2,483,248
PROCESS FOR PREPARING COMPOUNDS HAVING FOLIC ACID ACTIVITY
Jacob L. Stokes, Scotch Plains, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application October 14, 1944, Serial No. 558,748
3 Claims. (Cl. 195—96)

1. The process which comprises subjecting rhisopterin to the action of an organism selected from the group consisting of S. lactis R, S. fecalis and S. zymogenes in a synthetic aqueous medium and under anaerobic conditions, and recovering a compound having folic acid activity.

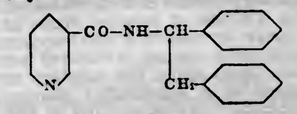
2,483,249
OUTBOARD MOTOR MOUNTING
Mark J. Sturtevant, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application December 3, 1946, Serial No. 713,782
4 Claims. (Cl. 9—2)



1. In an inflatable rubberized fabric boat and the like embodying a pair of substantially superposed inflatable tubes, an outboard motor mounting comprising a panel member; a pocket formed on one of said tubes for the reception of one end of the panel member; and means on the other of said tubes for disengageable connection with the other end of the panel member.

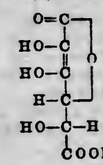
2,483,250
PRODUCTION OF NEW DERIVATIVES OF PYRIDINE-3-CARBOXYLIC ACID
Hans Suter, Schaffhausen, Switzerland, assignor to Cilag Limited, Schaffhausen, Switzerland
No Drawing. Application August 31, 1946, Serial No. 694,431. In Switzerland September 15, 1945
2 Claims. (Cl. 260—295.5)

1. As a medicinal substance, nicotinylamino-α,β-diphenyl-ethane of the formula



2,483,251
CATALYTIC OXIDATION OF SORBOSE DERIVATIVES
Nelson R. Trenner, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application May 1, 1942, Serial No. 441,350. Divided and this application April 11, 1947, Serial No. 740,961
5 Claims. (Cl. 260—344.5)

1. Laevo-gulosaccharo ascorbic acid of the formula



2,483,252
METHOD FOR PREPARING HYDROXYLAMMONIUM SALTS OF ORGANIC ACIDS
Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 20, 1945, Serial No. 589,455
11 Claims. (Cl. 260—404)

1. In the preparation of hydroxylammonium salts of organic monocarboxylic acids, the process which comprises reacting a hydroxylammonium salt of a mineral acid selected from the group consisting of hydroxylammonium chloride and hydroxylammonium sulfate in a lower aliphatic

alcoholic medium with a salt of an organic acid selected from the group consisting of ammonium salts and alkali metal salts of alkanoic acids, phenylalkanoic acids, and the halogen-substituted, hydroxyl-substituted, and keto-substituted derivatives thereof, removing the resulting inorganic salt from the reacting mixture, cooling to crystallize the hydroxylammonium salt and recovering the latter.

2,483,253

DETERGENT COMPOSITION

Harland H. Young, Chicago, Ill., and David Rubinstein, Brookline, Mass., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 29, 1943, Serial No. 504,296
11 Claims. (Cl. 252—117)

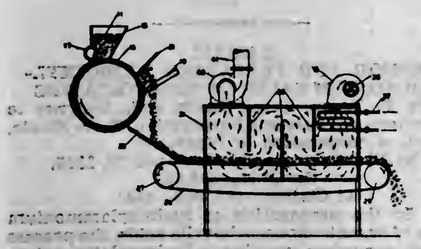
1. A detergent composition consisting essentially of a fatty acid detergent soap normally tending to form an insoluble precipitate in hard water and between about 5 and 50 per cent based on the weight of said soap of an acylated diethanolamine condensation product having a predominant proportion of the diethanolamine product with a single replaceable hydrogen of the diethanolamine substituted with a higher fatty acid acylating group having from about 8 to 14 carbon atoms, said condensation product being obtained by reacting an excess of diethanolamine with a higher fatty acid acylating substance having fatty acid groups of about 8 to 14 carbon atoms at a temperature of between about 120° and 250° C. for a period of between about 15 minutes and 16 hours so that the diethanolamine-carboxylic acid soap content is reduced below about 10 per cent, then aging the reaction mixture in the presence of a substantial amount of free diethanolamine at a temperature of about 40° C. to 90° C. for a period of between 4 and 100 hours to produce acylated carbons having a predominance of compounds with a single acylatable hydrogen atom replaced by the fatty acid acyl group, the duration of each of said periods of heating varying within the specified range inversely with the temperature, whereby the resulting product has the property of inhibiting the precipitation from aqueous solutions of insoluble compounds of fatty acid detergent soap and the polyvalent ions of hard water.

2,483,254

PRODUCTION OF DRY SORBITOL

Ernest G. Almy, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

Application January 3, 1946, Serial No. 638,728
4 Claims. (Cl. 34—5)



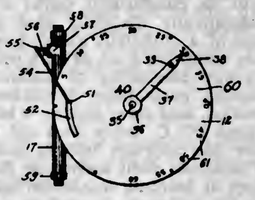
1. A process for the crystallization of sorbitol which comprises initiating crystallization in a sorbitol solution containing between about 8 and about 12% of water, gently agitating said solution at a temperature between about 60 and about 68° C. until a magma containing between about 20 and about 30% by weight of crystalline sorbitol is obtained, casting said magma in a layer not more than about 1/64 inch thick onto a smooth surface, cooling said surface to a temperature below about 25° C. so that said magma is congealed to a solid condition, removing and breaking said magma so as to form flaked particles, and drying said particles at progressively increasing temperatures between about 110° F. and about 160° F., but always below the temperatures at which the magma becomes sticky, until the magma contains less than about 1% of water.

2,483,255

METER CONTROLLED VALVE

William Nelson Beck, Sioux Falls, S. Dak.

Application September 29, 1945, Serial No. 619,285
2 Claims. (Cl. 222—20)



1. An automatic valve control comprising a housing having chambers therein, a partition in said housing separating said chambers, a turbine in one of said chambers, a shaft journaled in said partition having reduction gears associated therewith and secured to said turbine in the other of said chambers, a conduit extending through said housing, a valve in said conduit, a cage on said housing receiving the terminal portion of said shaft thereunder, an arm projecting from said cage, resiliently biased clutch means in said cage for releasably connecting said arm to the terminal portion of said shaft, an aperture in said housing, guide means on said partition adjacent said aperture, a rod passed through said aperture and disposed in said guide means engageable periodically by said arm and means connecting said rod to said valve for actuation thereof.

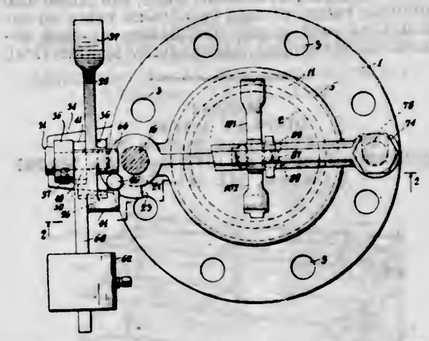
2,483,256

SELF-CLOSING GAUGING HATCH

René Berg, New York, N. Y.

Application June 29, 1945, Serial No. 602,376
3 Claims. (Cl. 220—33)

1. In a closure for hatch openings and the like, in combination, a flange providing a seat extending about said opening, a stud supported on said flange adjacent said seat, a cover adapted to be brought into engagement with said seat when in covering relation to said opening and pivotally and slidably supported on said stud, a rotatable cam normally in engagement with a cam follower surface operatively connected to said cover and operable through said engagement to effect sliding movement of said cover lengthwise of said stud to lift said cover from said seat, a projection carried by said cover to move therewith about said stud in the pivotal movement of said cover on said stud, a sector member supported for oscillating movement and having a lug for engaging said projection to produce movement of said projection about said stud to effect pivotal movement of said cover upon oscillating movement of said sector member, a lever connected to said cam to effect initially said sliding movement of said cover by said operation of said cam upon operation of said lever, said cam having a lug arranged



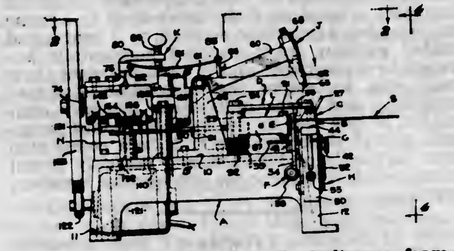
thereon so as to engage said oscillatable sector member upon further movement of said lever to produce said pivotal movement of said cover after said cam effects said sliding movement thereof.

2,483,257

SAW SETTING MACHINE

Harry O. Berry, Inglewood, Calif.

Application April 28, 1947, Serial No. 744,467
13 Claims. (Cl. 76—62)



1. A saw setting machine including, a frame, an anvil fixed on the forward portion of the frame, a striker carried by the frame cooperating with the anvil to set teeth of a saw located on the anvil, a stop pivotally carried by the frame to be engaged by the toothed edge of the saw, the stop having saw engaging portions projecting laterally from opposite sides of the frame, depending portions pivoted to the frame and a central web between the first mentioned portions, a screw means operable to adjust the stop relative to the anvil including a screw carried by the frame and engaged with said web of the stop and an operating member threaded on the screw and located at the front of the frame.
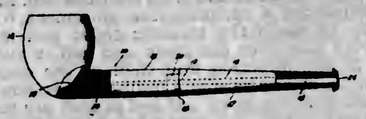
2,483,258

SMOKING PIPE

Frank Grosse Borger, Fort Lee, N. J., assignor to Wilhelm Fischer, Fort Lee, N. J.

Application April 17, 1945, Serial No. 588,861
1 Claim. (Cl. 131—216)

A smoking pipe comprising a bowl, a stem and a mouthpiece, said stem and mouthpiece comprising a smoke passage starting at the tobacco holding cavity of the bowl adjacent the bottom thereof and terminating at the free end of the mouthpiece; said passage in entirety being uniformly tapered in at least one longitudinal section from a small cross-sectional area at the bowl



end to a larger cross-sectional area at the free end of the mouthpiece.

2,483,259

LUSTERLESS WAX EMULSIONS AND METHOD OF PREPARATION

Anton E. Budner, Alfred F. Buckman, Jr., and Edward Spurgat, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis.

No Drawing. Application December 6, 1946, Serial No. 714,656
13 Claims. (Cl. 106—245)

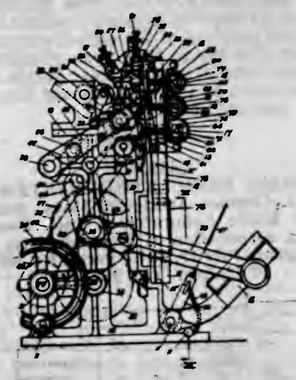
1. An aqueous wax emulsion for treating rubber stock consisting essentially of emulsifiable solids, water-soluble emulsifying agent, water and a natural resin solution in which the emulsifiable solids comprise from 10 to 20% by weight of a material selected from the group consisting of aluminum, calcium, magnesium and zinc stearate, from 25 to 60% of a vegetable wax, from 15 to 45% of paraffin and from 1 to 40% of a delustring agent selected from the group consisting of stearyl alcohol and hydrogenated castor oil, and water constituting the major portion of said emulsion.

2,483,260

PRINTING MACHINE

John Chalmers, Edinburgh, Scotland

Application September 22, 1944, Serial No. 555,239
In Great Britain June 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 7, 1963
3 Claims. (Cl. 101—324)



1. In a printing machine including a frame, a printing chase fixed on said frame having a printing block and a flat resilient bed mounted therein with the printing surface of the block co-planar with the surface of the bed, a reciprocal carrier structure mounted on the frame for movement in a plane parallel to the plane of the block and the bed, a transfer roller and an inking roller mounted in series on said carrier and extending crosswise of the chase, the transfer roller and the inking roller being arranged on the carrier so that when the carrier is moved in one direction

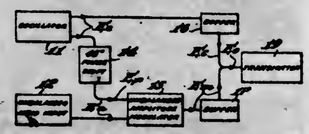
with respect to the frame the transfer roller proceeds the inking roller in passing in succession first over the block and then over the bed, means for imparting a reciprocating movement to the carrier to cause the transfer roller and inking roller to pass over the block and bed in succession in one direction and then in the opposite direction, means normally urging said rollers into contact with the block and bed as they are moved thereover, means for holding the transfer roller out of contact with the block and bed when the carrier is moved in a direction to first traverse the block and then the bed with the transfer roller, means arranged to permit contact of the transfer roller with the bed and block when the carrier is moved in the opposite direction whereby the transfer roller applies an impression to the bed and then takes up a fresh impression from the block, means for permitting the inking roller to contact the block to ink it when the carrier is moved in either direction, and means for maintaining the inking roller out of contact with the bed as the carrier is reciprocated.

2,483,261
PENCIL POINTER
Frederick Burnham Chapman, South Hamilton, Mass.
Application March 20, 1946, Serial No. 655,788
5 Claims. (Cl. 120—89)



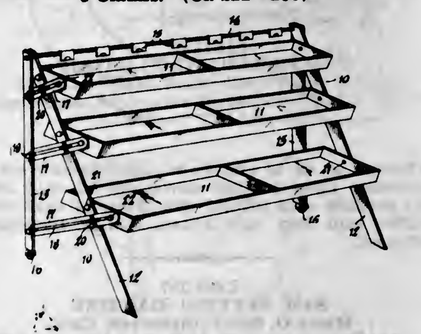
1. A pencil pointer comprising a casing having at its upper part a pair of generally cylindrical members disposed in approximate tangential relation with each other, a sheet of abrasive material extending about the surface of each of said members and downwardly between said members with its end portion within said casing, and a winding key rotatably supported within said casing, the end portions of the abrasive sheets being secured to said key so that upon rotation thereof fresh surfaces of said abrasive sheets are presented adjacent to the approximate line of tangency of said members.

2,483,262
PHASE MODULATION SYSTEM
Bernard J. Cosman, Arlington, Mass., assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass., a corporation of Massachusetts
Application July 12, 1945, Serial No. 604,544
10 Claims. (Cl. 332—24)



1. In the art of signal transmission by modulated high frequency waves, the method of phase modulating a carrier wave train under control of signal impulses, which method comprises the steps of generating a wave train, deriving from said wave train a second wave train of substantially equal frequency but having a phase which differs from that of said first train by an angle greater than 180° but less than 270°, modulating the amplitude of said second train under the control of signal impulses while maintaining it on one side of its zero value and while maintaining said frequency, and vectorially adding said second train to the unmodified first train to form a phase modulated resultant wave, the phase and amplitude values of said two trains being so selected that said phase modulation of said resultant wave remains substantially symmetrical.

2,483,263
DISPLAY RACK
Teresa Cummings, Buffalo, N. Y.
Application January 23, 1947, Serial No. 723,722
5 Claims. (Cl. 211—130)



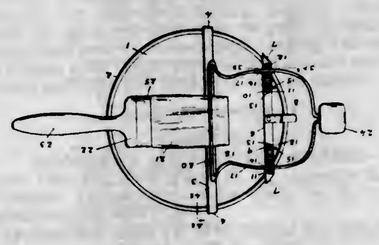
1. A display stand of the character described, comprising a pair of standards each including members pivoted at their upper ends to assume an extended supporting position or a contracted folded position, trays disposed horizontally between said standards and pivoted adjacent their rear ends to one of the companion standard members, and brace links, each pivotally connected at one end to the other standard members and at their opposite ends to a companion tray forwardly of its pivot and movably joined intermediate its ends to the tray-pivoted standard members.

2,483,264
REFRIGERATOR CABINET HAVING ICE-CREAM CAN SUPPORT MEANS
Harry W. Custer, Center Line, Mich.
Application October 13, 1944, Serial No. 558,510
1 Claim. (Cl. 62—89)



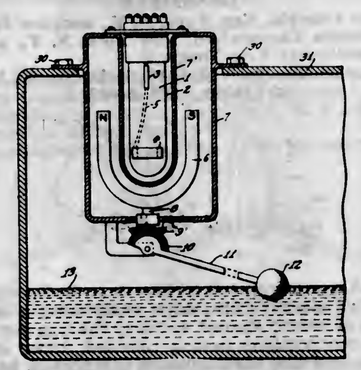
In combination with a refrigerating cabinet having an angular well inclined downwardly toward its inner end and having an inner end wall, top wall, bottom wall and side walls, a removable rack having rounded contacting surfaces engaging the bottom and end walls of the well, the rack having side rails for slidably supporting a tubular receptacle away from the bottom wall to facilitate the insertion of and removal of the receptacle into and out of the well, the side rails having rounded receptacle engaging surfaces, the rack having abutment elements at the inner end for engaging the inner end of a receptacle to support the inner end of the receptacle in spaced relation from the end wall of the well, and the abutment elements having rounded abutment areas for contact with the inner end of the receptacles.

2,483,265
PAINTBRUSH HOLDER AND STRIPPER
John F. Dalis, Webster, N. Y.
Application May 13, 1948, Serial No. 26,730
3 Claims. (Cl. 248—229)



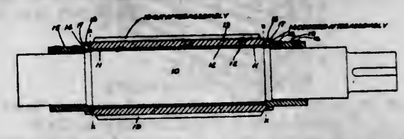
3. A clamp having two stationary members, each having downturned ends adapted to engage over the rim of a can, one of said members being short, the other member being long, a strap bent to the form of part of a circle and attached to the downturned ends of the two members to hold them together and in parallel relation, said parts constituting a stationary jaw, a moving jaw pivotally mounted intermediate its ends on the short parallel member and being in the form of a lever of the first class, the inner end of said jaw being wide and being adapted to engage with the long parallel member, and being parallel thereto, springs on the short member engaged with the pivoted jaw and normally holding the inner end of the jaw against the long stationary member.

2,483,266
ELECTRON TUBE TYPE TRANSMITTER
Clarence A. de Giers, Forest Hills, and Abraham Edelman, New York, N. Y., assignors to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 8, 1945, Serial No. 615,162
4 Claims. (Cl. 201—48)



1. In a resistance type transmitter for a measuring device of the type described, the combination of an electron tube having an anode assembly comprising a wire wound resistor, a movably supported magnetic means arranged to control the direction of an electron beam produced in the electron tube, and a prime mover controlled by a variable physical magnitude to be supervised and controlling the position of the magnetic means relative to said resistor for placing the electron beam in a position in which it impinges upon a portion of said resistor corresponding to the respective magnitude of the variable physical magnitude.

2,483,267
METHOD OF MAKING CUSHIONED GEARS OR THE LIKE
Thomas L. Fawick, Akron, Ohio
Application April 27, 1945, Serial No. 590,692
4 Claims. (Cl. 29—159.2)



1. The method of making a cushioned rotary assembly which comprises interposing under radial stress in an annular space between radially facing surfaces of inner and outer rigid members, so that it insulates them from each other, cushioning material having substantially the resilient deformability of vulcanized soft-rubber, allowing said rigid members to assume a relationship determined by the said radial stress of the said material, then temporarily securing the two rigid members in the relative positions that they thus assume under the force of the deformable material alone and performing a shaping operation upon one of the rigid members while sustaining the shaping force by engagement with the other rigid member.

2,483,268
MUTE FOR MUSICAL INSTRUMENTS
Thomas L. Fawick, Cleveland, Ohio, assignor to Fawick Flexi-Grip Co., Cleveland, Ohio
Application July 10, 1947, Serial No. 760,169
3 Claims. (Cl. 84—310)

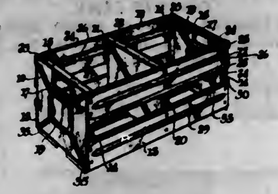


1. A mute for a musical instrument, said mute comprising an inertia structure and damping means in position to be interposed between said structure and a vibrating part of the instrument and to be held in small-area pressure contact with the latter, said damping means having substantially the resilient deformability of vulcanized soft-rubber.

2,483,269
FIELD BOX
Robert A. Fender, Orlando, Fla., assignor to American Machinery Corporation, Orlando, Fla., a corporation of Florida
Application June 24, 1946, Serial No. 678,901
2 Claims. (Cl. 220—4)

1. As a manufacture, the parts of a field box including end members and slat members for the sides and for the bottom, each member being pre-

fabricated of thin sheet material, each slat member being provided with rolled longitudinal beaded edges and an intermediate longitudinally extending stiffening rib pressed therein within its area, the rolls and rib lying on the outer side of the slat and the length of the slat, each end member being provided with pressed stiffening ribs within its area and having an inturned rolled upper edge flattened on its top surface and right-angular flanges at side and bottom edges against the outer surface of which the ends of said slat members are to engage, the ends of the slat members and the flanges on the end members



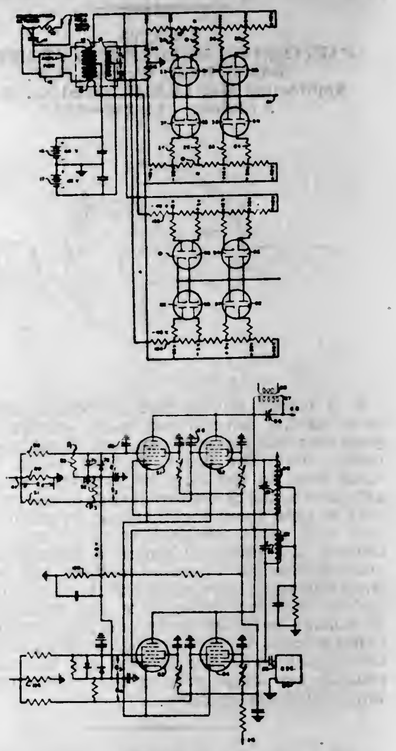
being provided with holes adapted to register, when the members are fitted together in box form, to receive fastener elements therethrough, the ends of said bottom slats having depending flanges on their edges and of a width equal to the thickness of the rolls and ribs thereon and adapted to have bearing contact with the flattened top surface of said inturned rolled edge of said end members, when said boxes are stacked one upon the other, whereby said component parts of the metal field box may be substituted for counterparts of a damaged wooden field box which latter may eventuate into an entirely metal box.

2,483,270
LUBRICATING COMPOSITION
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 30, 1945, Serial No. 596,803
25 Claims. (Cl. 252—32.7)

1. A composition of matter adapted for addition to lubricating oil consisting of an oil-soluble metal salt of the reaction product of a phosphorus compound of the class consisting of phosphorus sulfides and phosphorus oxides with a petroleum sulfonic acid, said reaction product being obtained by reacting said sulfonic acid with between about 3% and about 50% by weight of said phosphorus compound at temperatures between about 100° F. and 400° F.

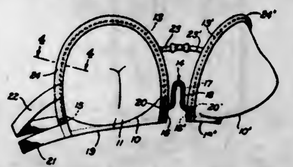
2,483,271
FREQUENCY MODULATION TRANSMITTER
Frederick W. Frink, East Orange, N. J.
Application November 30, 1946, Serial No. 713,219
13 Claims. (Cl. 332—24)

1. In combination, an oscillator, a first balanced modulator receiving voltage from said oscillator, a second balanced modulator also receiving voltage from said oscillator, means for causing said last voltage to be ninety degrees out of phase with the first mentioned voltage, a unitary source of audio-frequency signalling voltage, means for reversing the phase of the output current of said first balanced modulator in accordance with a function of the magnitude of said signaling voltage at a plurality of differing values, means for subsequently reversing the phase of the output current of said second balanced modulator in accordance with a similar function, means for again reversing the phases



of the output currents of the balanced modulators but in opposite sequence to the previous reversals, and means for combining the output currents of said balanced modulators.

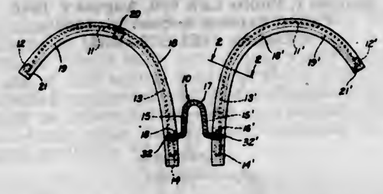
2,483,272
BRASSIÈRE
Harry Gluckin, New York, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application April 25, 1946, Serial No. 664,929
2 Claims. (Cl. 2—42)



1. A brassière of the class described comprising two similar cups, each comprising a single piece of fabric shaped to form the cup portion, said cup portions having rounded upper edges, upper and side edges of each cup portion having a longitudinal channel, adjacent sides of the channels of said cup portions having openings adjacent channel ends, a one-piece supporting element detachable with respect to the channels

through said openings, said element having, substantially horseshoe-shaped, curved loop portions fitting in the channels of said cup portions, a member bridging the curved looped portions intermediate said cup portions in coupling loops extending into said channel ends, said member yieldably joining said cup portions, means attached to outer sides of the cup portions for supporting the garment upon the body of the wearer, said bridging member comprising a spring loop disposed freely between adjacent sides of the cup portions, a one-piece band extending along lower sides of the cup portion and joining adjacent edges of said cup portions, a pair of shoulder straps, and means detachably coupling the shoulder straps with upper central portions on said cup shaped portions and said first named means.

2,483,273
GARMENT SUPPORTING FRAME
Harry Gluckin, New York, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application April 29, 1946, Serial No. 665,757
1 Claim. (Cl. 2—302)



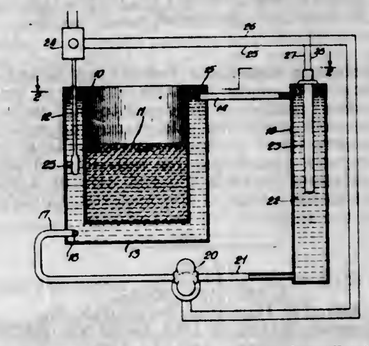
A garment supporting device comprising a frame and attaching bands, said frame comprising a pair of upwardly and outwardly curved members adapted to partially encircle breast portions of a garment, said members having inner adjacent loop ends, a bridging member integrally joining said loop ends, said bridging member including a central upwardly extending loop portion joining the first named independent end loops in shoulder portions, said attaching bands being detachably mounted on and extending through the full length of said curved members and loop ends only of the frame, said bands being in the form of channeled strips, and said bands having means providing detachable mounting of the curved members of the frame with respect to said bands.

2,483,274
BREAST COVERING GARMENT
Harry Gluckin, New York, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application April 29, 1946, Serial No. 665,758
3 Claims. (Cl. 2—67)



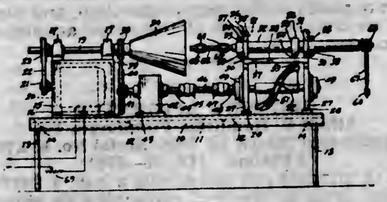
1. A garment of the class described comprising breast covering parts having upper curved edge portions, means forming channels longitudinally of said curved edge portions, a frame having laterally diverging curved side members integrally joined centrally of the front garment, said curved members of the frame being adapted to be arranged in the channels of said edge portions, said edge portions having openings adjacent the front central portion of the garment facilitating insertion and removal of the curved members with respect to said channels, means whereby the upper channelled edge portions of the garment are free to move longitudinally of said curved members within predetermined limits, means detachably supporting the central portion of said frame with the garment at a point below and in wide spaced relation to the upper channelled edge portion thereof, said last named means comprising looped portions on the frame fitting pocket openings in said garment, the pocket openings of said garment being disposed at the lower edge portion thereof, and means providing yieldable extension of the lower edge portion of said garment.

2,483,275
CHOCOLATE MIXER
Fred Gregor, Brooklyn, N. Y., assignor of one-half to Norbert Roth, Forest Hills, N. Y.
Application January 25, 1946, Serial No. 643,473
3 Claims. (Cl. 257—2)



1. An apparatus of the class described comprising a water jacketed container, a water heater in spaced relation to said container, means including a pump providing a forced circulation of water through the water heater and downwardly through the jacket of said tank, and automatic control means exposed to the water in the jacket of said tank for controlling heating of the water in said water heater and for automatically actuating said water circulating means.

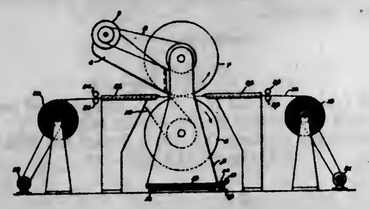
2,483,276
SPINNING MACHINE
William H. Ham, Bridgeport, Conn.
Application July 19, 1946, Serial No. 684,724
9 Claims. (Cl. 57—70)



1. In a high-speed hand-fed spinning machine, a supporting stand, a tubular flyer spindle ro-

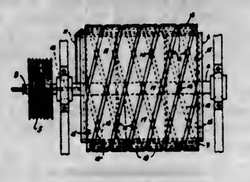
tatably mounted on said stand for rotation about a horizontal axis, a motor for driving said spindle, a flyer carried upon said spindle, a bobbin support mounted upon said stand, a horizontally disposed reciprocating bobbin shaft carried by said support in co-axial relation with said flyer spindle, and a bobbin supporting stem rotatably carried by said reciprocating shaft in co-axial relation with said flyer spindle and adapted through reciprocation of such shaft to move to and fro with respect to said flyer spindle and flyer.

2,483,277
APPARATUS FOR GRINDING
Alfred E. Hamilton, Pittsburgh, Pa.
Application February 11, 1946, Serial No. 646,833
3 Claims. (Cl. 51—80)



1. Grinding apparatus comprising means for directing work pieces in a given path of travel, a roll stand positioned adjacent to said path, an abrasive roll carried by said stand and mounted on an axis that extends generally transverse to said path, and means for rotatably adjusting the roll stand to shift the roll axis in a plane parallel to the plane of the material, to thereby change the angularity of the roll axis.

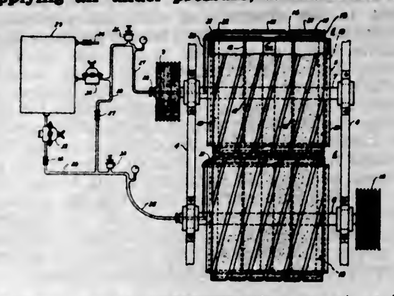
2,483,278
GRINDING ROLL
Alfred E. Hamilton, Pittsburgh, Pa.
Application March 23, 1946, Serial No. 656,724
5 Claims. (Cl. 51—192)



1. A grinding roll comprising a hub, a flexibly-walled pneumatic drum on the hub, a restraining strip wound helically around the periphery of the drum, with a plurality of turns, an abrasive strip wound helically around the restraining strip and the drum, with a plurality of turns and in a direction opposite to the restraining strip, and means for securing the ends of the strips against displacement.

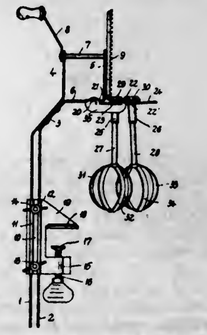
2,483,279
GRINDING APPARATUS
Alfred E. Hamilton, Pittsburgh, Pa.
Application March 23, 1946, Serial No. 656,725
6 Claims. (Cl. 51—192)

1. A grinding roll comprising a hub, a flexibly-walled drum on the hub, containing an abrasive and having radially-spaced walls and end walls forming an annular-closed chamber, a depressed area in the periphery of the hub, and means for supplying air under pressure, to the interior of



the drum, for expanding the innermost peripheral wall thereof into the said area.

2,483,280
BEATING APPARATUS
Harry Hansen, Moss, Norway, assignor of one-half to Fred Hansen, Moss, Norway
Application December 5, 1946, Serial No. 714,328
In Norway August 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 26, 1964
2 Claims. (Cl. 259—131)

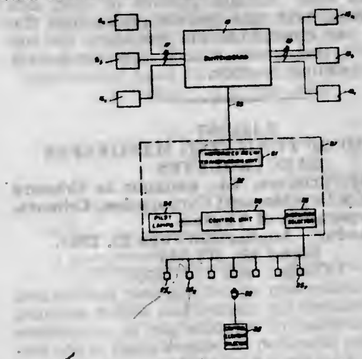


1. A beating device, particularly for beating eggs, cream, salad dressings, cake mixtures and similar substances, comprising a frame member, a driving wheel shaft, a driving gear wheel mounted on said driving wheel shaft, a pair of beating member shafts, a beating member mounted on each of said last mentioned shafts, a small gear carried by the top portion of each beating member shaft and meshing with each other, one of said gears being adapted to be brought into mesh with said driving gear wheel, bearings for the beating member shafts, a carrying plate for said bearings provided with an end portion and with side recesses, the frame member having a fixed supporting plate having a recess adapted to receive said end portion, said supporting plate having lugs adapted to mesh with said side recesses when the carrying plate is swung into position upon the said end portion after having been received in the recess in said supporting plate.

2,483,281
SWITCHING SYSTEM
Donald L. Herr, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 17, 1947, Serial No. 774,613
4 Claims. (Cl. 177—353)

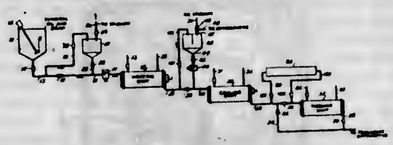
2. In a switching system for selectively interconnecting a plurality of instrumentalities, the

combination of a plurality of signaling stations, a plurality of normally open switch contacts, a selector mechanism, signaling means operable from one of said plurality of signaling stations, a manually settable switch for interconnecting said selector mechanism and any one of said stations, said selector mechanism being controlled by said



signaling means to selectively operate said switch contacts in various combinations thereof, a plurality of relays each individual to and operable by one of said switch contacts, and a plurality of electrically operated switches positionable by said relays to interconnect said instrumentalities in accordance with the selected operation of said switch contacts.

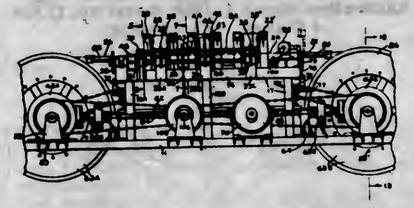
2,483,282
ART OF GREASE MANUFACTURE
Harold G. Houlton, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application September 15, 1945, Serial No. 616,589
9 Claims. (Cl. 252—32)



1. In a process of manufacturing grease from oil and a stiffening agent, including the provision of a hot grease of the desired composition, the steps of agitating said grease while simultaneously uniformly cooling the same at a rate sufficiently rapid to lower the temperature of the grease through and substantially below the transition temperature thereof and to substantially the critical temperature, as herein defined, before any substantial gelation of the grease can occur, said rate being in excess of ½° F. per second with an overall heat transfer coefficient of the cooling operation being at least 50 B. t. u./(hr.) (ft.²) (°F.), and then allowing the cooled grease to gel without appreciable agitation.

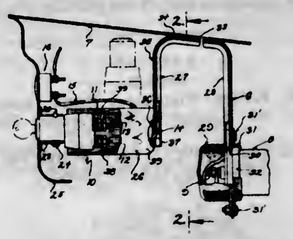
2,483,283
REVERSIBLE GRINDER MACHINE FOR REELABLE STRAND STOCK
Louis Ilmer, Cortland, N. Y., and Vernon R. Pallas, Randolph, Ohio
Application January 29, 1947, Serial No. 725,114
19 Claims. (Cl. 51—71)

1. A unitary grinder machine comprising a pair of axially interspaced reels adapted to have a reelable strand portion transferably suspended therebetween as a longitudinally dragged movable work piece, a sub-base including a rectilinear primary rail lying beneath the level of the reel axes and having a weight portion of each reel respectively imposed upon opposite rail end regions, motive means driving one of said reels, a skeletonized superstructure including a rolled stringer beam of uniform cross-sectional profile throughout its length that is propped upon said rail in substantial parallelism and which beam length is shorter than the interspacing between the reel perimeters, and plural grinder head means up-



held in tandem by such superstructure above the level of the reel axes and respectively brought into operative abrasive engagement with the suspended work piece portion, a driven sectionalized feed shaft affixed to a stringer beam and having a differential gear interposed between contiguous shaft ends, one such shaft section serving to control the feed of abrasive to the plural head means, and a separately motorized gyro-reducer whose slow speed outlet selectively rotates the other shaft section and which reducer when rendered inoperative, interrupts the feed of abrasive to the work piece while said one shaft section continues to rotate.

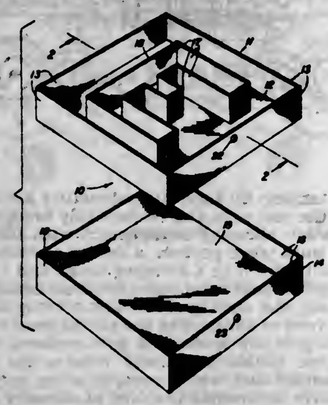
2,483,284
PROTECTOR FOR AUTOMOBILE IGNITION SWITCH COIL LEADS
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 15, 1947, Serial No. 791,735
12 Claims. (Cl. 180—82)



1. In an automobile provided with an instrument panel having an ignition switch thereon with its terminal head and terminals behind the panel, and provided with a bulkhead dividing the passenger compartment from the engine compartment, and having an ignition coil secured to the bulkhead at its engine compartment side with the terminal of the coil which is to be connected with the switch, facing the passenger compartment and in line with a hole in the bulkhead, and a conductor electrically connecting said coil terminal with one of the terminals of the switch: means for protecting the electrical connection between the switch and coil against unauthor-

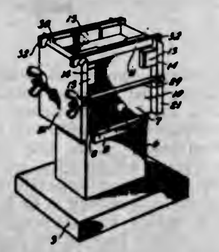
ized access, said means comprising, a guard embracing the bottom, sides and terminal head of the switch, and a sheath enclosing the conductor and extending from the guard to a point adjacent to the hole in the bulkhead, said sheath having a part covering the said coil terminal and closing the hole in the bulkhead.

2,483,285
AVIATION LIQUID ANTIFREEZE DISPLAY MARKER
Hugo P. Keller, Oneida, Lynn E. Johnson, Canastota, and Paul E. Froass, Oneida, N. Y.
Application March 1, 1948, Serial No. 12,454
4 Claims. (Cl. 40—130)



4. An airport marker comprising a receptacle provided with a bottom and side walls, an enclosure positioned under said receptacle, said enclosure and receptacle containing a liquid antifreezing composition, said bottom being formed with an opening defining a sign character, upstanding walls provided on said bottom at the edges of said opening, said upstanding walls being spaced from the side walls of said receptacle, and a source of light provided in said enclosure, said enclosure in said receptacle being provided with overflow passages for maintaining the liquid therein at predetermined respective levels.

2,483,286
MOLD
William H. Kelley, Pittsburg, Kans., assignor of one-half to Katheryn B. Pierce, Pittsburg, Kans.
Application September 12, 1946, Serial No. 696,493
2 Claims. (Cl. 22—156)

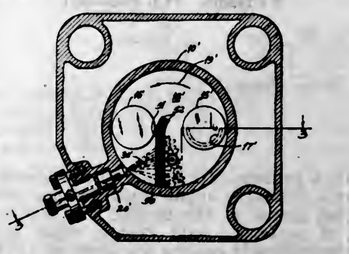


1. A mold comprising a post having flat smooth sides and a flat smooth top, a top matrix plate having bottom die grooves therein and removably fitting flat intermediate said grooves on the top of the post, and a pair of side matrix plates hinged to said sides of the post to swing upwardly against said sides of the post and against opposite sides of said top plate, said side matrix plates having die grooves therein and fitting flat intermediate said grooves against said sides of the post to close the die grooves in said side matrix plates, said side matrix plates and the top of the post closing the die grooves in the top matrix plate, and means to lock said side matrix plates in upswung position.

2,483,287
METHOD OF PURIFYING MANGANESE ELECTROLYTES
John Koster, Crimora, Va., assignor to Crimora Research & Development Corporation, Crimora, Va., a corporation of Virginia
No Drawing. Application June 23, 1945, Serial No. 601,325
1 Claim. (Cl. 23—117)

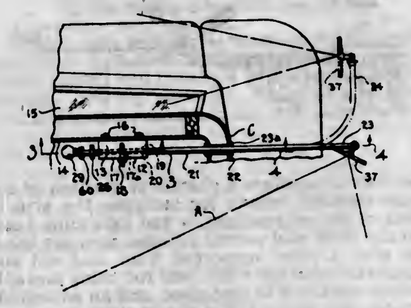
In the purification of manganese ammonium sulphate solutions for electrolysis which includes the steps, addition of sulphide ion to precipitate heavy metals, filtration to remove most of the impurities as precipitated sulphides, and treatment with highly adsorptive material to further purify the solution, the improvement which consists in using as the highly adsorptive material, a kaolin dispersion stabilized with a metal hydroxide, selected from the class consisting of iron, aluminum and chromium hydroxides.

2,483,288
INTERNAL-COMBUSTION ENGINE
Jay B. Malin, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 10, 1947, Serial No. 740,539
8 Claims. (Cl. 123—32)



1. In the operation of an internal combustion engine, wherein fuel is injected into rapidly swirling compressed air in the cylinder combustion space toward the latter part of the compression stroke, the first increment of injected fuel is spark-ignited substantially as soon as combustible fuel vapor-air mixture is formed therefrom to establish a flame front traveling counter to the direction of air swirl, and the injection of fuel is continued into the swirling compressed air immediately in advance of the traveling flame front to progressively form additional combustible fuel vapor-air mixtures which are ignited by the traveling flame front and burned substantially as rapidly as formed; the improvement which comprises mechanically inducing turbulence of the swirling compressed air containing injected fuel in the said combustion space between the locus of injection and the locus of the initially established flame front and closely adjacent the locus of the latter to prevent the flame front from receding far enough from the locus of fuel injection during said combustion as to result in the accumulation of sufficient unburned combustible mixture in advance of the flame front to produce knocking of the engine.

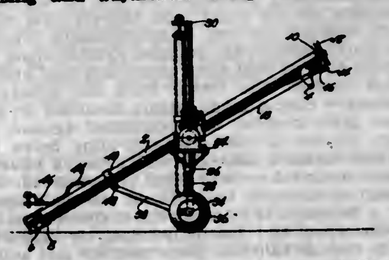
2,483,289
REFLECTED VIEW MIRROR FOR AUTOMOTIVE VEHICLES
Dorian R. Martin, Cleveland, Ohio
Application April 15, 1947, Serial No. 741,601
5 Claims. (Cl. 248—205)



1. A device adapted for use in mounting a rereflected view mirror on a vehicle having a front windshield mounted in a forward driving compartment thereof, comprising a hollow elongated member having a longitudinal axis, a support, mounting means on said support for mounting said member to extend laterally in the vehicle compartment above said windshield to be adjustable to selected positions of rotation about the said longitudinal axis, said member having a hollow goose-neck extension to be exteriorly of the compartment and providing an arm at a substantial angle to said longitudinal axis, the free end of said arm thereby being swingable with said member at a substantial radius about said longitudinal axis thereof, a flexible element mounted through said member and goose-neck extension thereof, manually operable means on said member to be interiorly of the vehicle compartment for rotating the member about said longitudinal axis, manually operable means on said element interiorly of the compartment for rotating the element with respect to said member, and means on said rotatable element at the free end of said arm adapted for mounting a mirror thereon to extend with the plane of the mirror on the general direction of the axis of rotation of the free end of the element, whereby the mirror is adapted to be swung in an arc with said arm to various positions of rotational adjustment of the arm about said longitudinal axis and is also rotatable with said element about the axis at the free end thereof in each of said various positions of rotational adjustment of the arm.

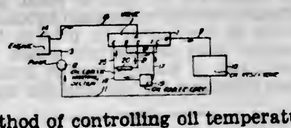
2,483,290
GRAIN LOADER
Martin Mayrath, Dodge City, Kans.
Application October 7, 1946, Serial No. 701,771
13 Claims. (Cl. 198—233)

1. A loader for fluent material comprising a screw conveyor and its housing, a wheeled frame having a vertical post, a sleeve on the housing movable on the post, a motor unit on the sleeve operably connected with a screw, a pivot on the sleeve supporting the conveyor and its housing, and radius rods between the frame and the housing and adjustable along the housing to



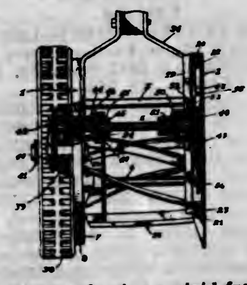
vary the angle of the housing with relation to the post.

2,483,291
METHOD OF OIL TEMPERATURE CONTROL
Leslie T. Miller, Stoneleigh, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Original application October 7, 1941, Serial No. 414,005. Divided and this application November 21, 1944, Serial No. 564,528
1 Claim. (Cl. 236—34)



The method of controlling oil temperature in a system having an engine, an oil reservoir, primary and secondary heat exchangers, a common conduit leading from the heat exchangers to the reservoir and a thermal-responsive control means in said conduit, that comprises directing the flow of oil from the engine to the reservoir sequentially through each of three distinct paths all of which terminate in said common conduit, by first directing the oil through a by-pass closed with respect to said heat exchangers in response to a low oil temperature in said conduit constituting the first path, and thereafter directing the oil through said secondary heat exchanger in response to a predetermined higher oil temperature in said conduit constituting the second path, and thereafter directing the oil through said primary heat exchanger in response to an oil temperature in said conduit exceeding said last-named temperature constituting the third path.

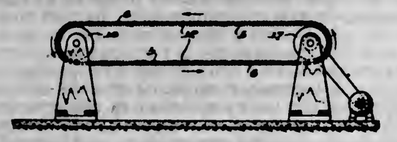
2,483,292
LAWN TRIMMER
Floyd C. Miller, Los Angeles, Calif.
Application August 30, 1947, Serial No. 771,515
2 Claims. (Cl. 56—251)



1. A lawn edger having a rigid frame comprising two plate members rigidly positioned in up-

right spaced relation by spacing means, a ground wheel rotatably supported by one of the plate members on the outer side thereof, the other plate member having a substantially straight ground-engaging edge adapted to slide along the ground so that said outer plate and said ground wheel support the frame from the ground, a stationary edging blade rigidly mounted on said other plate member and positioned against the inner surface thereof and extending below the ground-engaging edge thereof, a sleeve member rigidly mounted on said other plate member and extending inwardly toward said one plate member, a driving shaft operatively connected to the ground wheel and floatingly rotatively supported by its ends in said one plate member and within the sleeve on said other plate member to permit axial movement thereof, a flat, circular, toothed cutter having a hub fixedly mounted on said driving shaft and recessed to fit over the sleeve to rotatably support the cutter on the sleeve, means for moving the driving shaft towards said other plate member to position the cutter against the stationary blade thereby positioning the cutter closely adjacent said other plate member to be shielded thereby, the cutter extending below the ground-engaging edge of said other plate member to enable the cutter and the stationary blade to cooperate to edge a lawn, said other plate member extending forward beyond the path of rotation of the cutter to protect the cutter from contact with objects into which the edger is pushed, and a handle rigidly connected to both plate members for pushing the lawn edger.

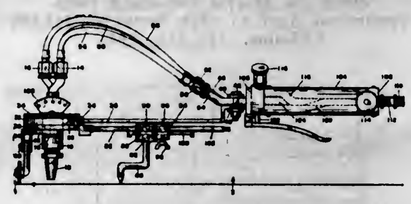
2,483,293
ABRASIVE AND BUFFING BELT
Rudolf G. Minarik, Neenah, Wis., and Walter L. Ryman, Pittsburgh, Pa.
Application January 8, 1948, Serial No. 1,128
3 Claims. (Cl. 51—188)



1. An endless surfacing belt having an abrasive coating on one face thereof and provided throughout substantially its entire other face with fibers, the major number of which are cemented only at one end to the belt, the fibers being not greater than approximately one-quarter inch in length and for the most part normally extending in perpendicular relation to the plane of the belt.

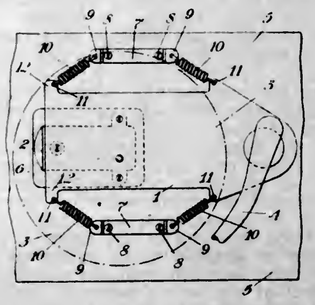
2,483,294
ACETYLENE CUTTING TORCH AND GUIDE
James B. Miner, Portland, Oreg.
Application March 5, 1947, Serial No. 732,583
1 Claim. (Cl. 266—23)

In an acetylene cutting torch, including a tip and an operating handle, an arm projecting from the forward end of said handle, an annular member carried at the forward end of said arm, a second annular member rotatably supported in the first named annular member, bearings carried by said second annular member, a torch-head, trunnions carried by said torch-head engaged in said bearings, clamp means engageable with said trunnions to secure said torch-head in any one of its positions of angular adjustment, a gauge member supported from the lower side of said second annular member and adapted for contact with and vertical adjustment relatively to the work, said gauge member having the form of a vertically adjustable bracket and a work contact wheel at the lower end of the bracket, an arm pivotally supported on the under side of said second annular member and carrying said bracket, said arm being movable from one side of said second annular member to the opposite



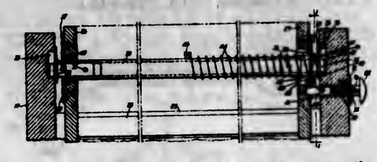
side thereof to effect a change of position of the gauge member, means for securing the arm in either of its set positions, a rod extending horizontally from said second annular member below said arm, a pivot supported from said rod and engageable with the work, said rod being movable endwise relatively to said pivot, and an adjustable member mounted on said rod to limit the working movement of said torch-head relatively to said pivot.

2,483,295
MOUNTING OF GRAMOPHONE UNITS
Edmund Walter Mortimer, Swindon, England, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, Wiltshire, England
Application January 17, 1945, Serial No. 573,275
In Great Britain February 2, 1944
1 Claim. (Cl. 248—18)



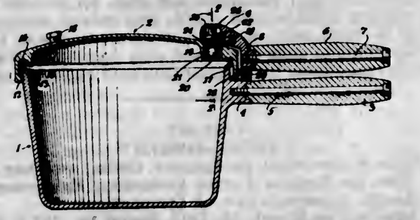
A mounting for a gramophone unit comprising a horizontally extending unit plate supporting the gramophone motor, turntable, pick-up and associated automatic switch mechanism, a supporting member, a plurality of cranked bracket elements having horizontally extending surfaces rigidly secured to said supporting member, a plurality of coiled tension springs, and means for attaching said coiled tension springs at one end of each thereof to said unit plate and to said horizontally extending surfaces of the bracket elements at the other end of each thereof whereby the axes of said springs lie in a substantially horizontal plane.

2,483,296
SOFA BED CONSTRUCTION
Gilbert Murtagh and Joseph B. Platt, New York, N. Y., assignors to James McCutcheon & Co., New York, N. Y., a corporation of New York
Application January 11, 1946, Serial No. 640,533
11 Claims. (Cl. 5—59)



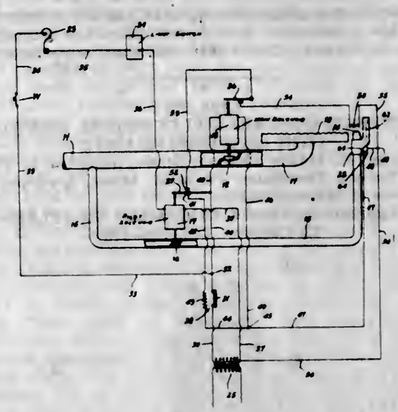
5. In a sofa bed of the character described, a bed frame having ends, a sofa back comprising a frame having end members with coaxial openings therein, bearing members comprising bushings and end plates secured to the end members with the bushings extending inwardly in said openings and in alignment with each other, pivots in said bushings, means carried by said bed ends for supporting said pivots and preventing relative rotation, and spring means connecting one of said bushings to an end of said bed frame to swing said back upwardly.

2,483,297
PRESSURE COOKER
Victor W. Naylor, Arlington, N. J., assignor, by mesne assignments, to McGlynn Hays Industries, Inc., Belleville, N. J., a corporation of New Jersey
Application March 16, 1946, Serial No. 654,892
4 Claims. (Cl. 220—55)



4. A pressure cooker, comprising a pot element and a cover element, a handle rigidly connected to said pot element, a handle pivotally connected to said cover element for limited movement in respect thereto about a substantially horizontal axis, a means for removably securing and sealing said cover element upon said pot element against internal fluid pressure during the use of said cooker, means forming a passage through said cover element and providing a valve seat and an enlarged counterbore portion therein, a ball valve cooperating with said seat, a cage located in said counterbore portion and pivotally connected to the handle connected to said cover and arranged partly to surround said ball, a compression spring inside said cage bearing on said ball tending to urge it toward its seated position on said valve seat, and a compression spring extending between a portion of said handle connected to said cover element and a part rigid with said cover element for urging said handle toward one end of its limited path of movement, the aforesaid parts being so constructed and arranged that the second named spring is heavier than the first named spring, so that the unseating movement of said ball normally automatically compresses the first named spring, and that such unseating movement may be effected by compression by the second named spring, so that relative manually-effected movement between the handles connected to the cover and pot element respectively will effect movement of said cage to move said ball positively off its seat so as to equalize pressures inside and outside said said cooker.

2,483,298
SAFETY CONTROL SYSTEM FOR BURNERS
Eric P. Newman, Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application December 29, 1944, Serial No. 570,326
8 Claims. (Cl. 158—117.1)

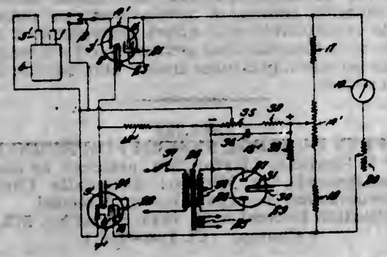


1. In a control system for use with a main fuel line for a main burner and a pilot fuel line for a pilot burner, a main valve for the main fuel line and a space thermostat, electrical means for operating the main valve, a pilot valve for the pilot line and electrical means for operating it, an igniter for the pilot burner, circuit means for energizing the pilot valve operating means when the thermostat demands heat, means interconnected with the pilot valve and rendered operative by operation thereof to energize the igniter to ignite the pilot burner, means including a flame-responsive switch operated in response to existence of a pilot flame, to energize the main valve operating means and means responsive to said main valve operating means for deenergizing the igniter.

2,483,299
MEASUREMENT OF ELECTROCHEMICAL POTENTIALS
Frank George Pauly, Chatham, N. J.
Application August 25, 1945, Serial No. 612,693
8 Claims. (Cl. 175—183)

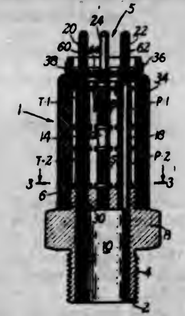
1. An apparatus for determining electrochemical potentials which comprises in combination an electrode assembly adapted to generate a voltage dependent upon the pH value of a solution in which said electrode assembly is immersed; an electronic amplifier which is controlled in accordance with said voltage; a direct reading electrical measuring device having an indicator which operates in accordance with a voltage determined by the output of the said amplifier, the combination including a unitary means for adjusting the output voltage with respect to a balancing potential and for simultaneously eliminating the

effect of the asymmetry potential of the electrode assembly, and said measuring device being pro-



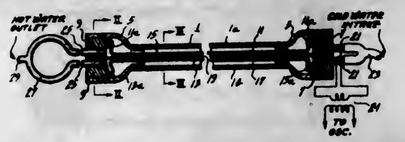
vided with a manually adjustable index pointer by which a variation in the position of the indicator due to the asymmetry potential may be registered.

2,483,300
INTERCHANGEABLE ELECTRICAL CONDITION RESPONSIVE UNIT
Wilfred H. Howe, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application June 6, 1945, Serial No. 597,819
22 Claims. (Cl. 73—398)



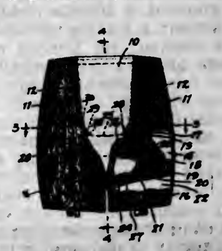
2. A strain gage type pressure responsive unit for measuring the pressure in a container, comprising, in combination, a base having mounting means for securing the same to close a hole in said container, a tubular member having one closed end mounted on said base so that the hole in its other end communicates with the hole in said container, a solid cylindrical member of external dimensions and material substantially equivalent to those of the tubular member mounted on said base in close proximity to said tubular member, four continuous filaments of material whose electrical resistance varies in accordance with its strain, two of said filaments being wound spirally around and affixed to the surface of said tubular member to be strained with the walls thereof due to stress therein caused by change in the differential pressure between the inside and outside of said tubular member, the other two of said filaments being wound and affixed in a substantially identical manner to the surface of said solid member, means connecting the four resistances thus formed in a Wheatstone bridge type circuit, said first two resistances being connected in two opposite arms of said bridge circuit and said last two resistances being connected in the other two arms of said bridge circuit, and means for connecting said bridge circuit to bridge balance responsive means whereby the pressure in said container may be determined by determination of the state of balance of said bridge circuit.

2,483,301
COOLED, HIGH-FREQUENCY ELECTRIC CABLE
Wesley M. Roberds, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 21, 1944, Serial No. 561,270
8 Claims. (Cl. 174—15)



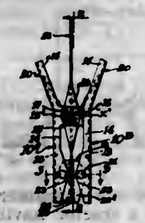
1. An electric cable comprising a hollow sheathing of insulating material, a pair of electrical conductors in said sheathing extending along the length thereof in spaced relation to each other, a pair of funnel-like terminal members of insulating material respectively connected into the ends of said sheathing, a pair of electrically conductive closure members inserted in each of said funnel-like members and closing the interior thereof off from the exterior, electrical insulating means interposed and extending between said conductors and between the two closure members of each pair for insulating said conductors and the two closures of each pair from each other, one of said conductors having electrical connection with two of said closure members, one at each end of said cable, the other of said conductors having electrical connection with the other two of said closure members, one at each end of said cable, means, extending through each of the closure members at one end of said cable and communicating with the space between said conductors and the sheathing wall, for admitting a cooling fluid to said space, and means, extending through each of the closure members at the other end of said cable and also communicating with said space, for discharging said cooling fluid.

2,483,302
UNDERGARMENT
Eileen A. Rockwell, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut
Application March 27, 1947, Serial No. 737,513
2 Claims. (Cl. 2—43)



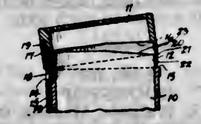
1. For use in a bifurcated undergarment including a front section, a back section, and a crotch, a crotch insert member having a transverse front edge, a transverse rear edge, and inwardly curved side edges, said rear edge being substantially longer than said front edge, said crotch member being formed of woven fabric material having greater stretch transversely of said member than longitudinally thereof, the forward corners of said crotch insert member being connected interiorly of said front section at points upwardly and forwardly spaced from the crotch and its rearward corners being connected interiorly of said back section at points upwardly and rearwardly spaced from the crotch and substantially co-incident with the hip line.

2,483,303
CLASPING MEANS FOR FRICTIONALLY HOLDING ARTICLES IN SUSPENSION
Walter J. Rynick, Fort Wayne, Ind.
Application November 27, 1946, Serial No. 712,484
8 Claims. (Cl. 223—96)



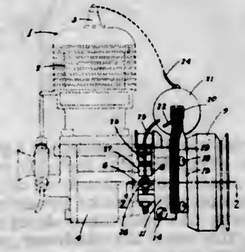
1. A clasping device of the character described comprising a pair of outer clasping members of channel-shaped cross-section having relatively oppositely angularly bent integral upper arm portions and plane-aligned lower ends, each outer clasping member having, intermediate its ends, a pair of integral perforated ears, the pair of ears of one of said outer members overlapping the pair of ears of the other one of said outer members to thereby horizontally align the perforations of all of said ears; a pivot member extending through all of said perforations; a pair of laterally aligned article-gripping jaws of U-shaped cross-section having flanges pivotally mounted on pivot pins extending through opposed sides of the lower portions of said outer clasping members and through the opposed flanges of said jaws, said jaws having adjacently disposed opposed article-gripping faces and through their free pivotal adjustment about said pivot pin being adapted to present said article-gripping faces in vertical plane alignment irrespectively of the relative angular positions of said pair of outer clasping members; a third clasping member disposed centrally between said outer clasping members and comprising a pair of vertically spaced flat plates providing an opening between their adjacent ends, the upper one of said plates constituting an operating arm extending beyond the ends of said arm portions of said outer clasping members and the lower one of said plates having article-gripping faces on opposite sides thereof adapted for face engagement by the article-gripping faces of said jaws, said spaced plates being connected together along opposite edges thereof by side pivot plates having horizontally aligned perforations through which said pivot member extends whereby said third clasping member is alternately pivotally oscillatable with either one of said outer clasping members to afford successive insertions of articles for gripping engagement thereby, first, between one article-gripping face of said third clasping member and one of said jaws and thereafter between the opposite gripping face of said third clasping member and the other one of said jaws; and a coil spring disposed within said opening between said spaced plates of said third clasping member through the convolutions of which spring said pivot member extends, the ends of said spring yieldingly exerting pressure against the arm portions of said outer clasping members thereby yieldingly urging said jaws toward the oppositely disposed article-gripping faces of said third clasping member.

2,483,304
CONTAINER
Rudolf Vogel, Bridgeport, Conn.
Application December 11, 1945, Serial No. 634,270
2 Claims. (Cl. 220—35)



1. A container comprising a receptacle part having parallel front and rear walls and parallel side walls normally at right angle to said front and rear walls, a cover part having parallel front and rear walls and parallel side walls normally at right angles to said front and rear walls, there being lateral clearance between the rear wall of said receptacle part and the rear wall of said cover part to permit lateral shifting of said cover part relatively to said receptacle part in the closed position of said cover part, and a spring hinge member having its end portions respectively secured to the rear walls of said receptacle and said cover parts and its intermediate hinging axis portion laterally movable with respect to said receptacle part, said hinge member, in the closed position of said cover part, exerting an opening force on said cover part, and also a lateral component of force upon said cover part toward said hinge member to retain said part in closed position through engagement of said front walls of said cover and receptacle parts, the walls of said receptacle part being exteriorly engageable at their upper marginal portions within the walls of said cover part and extending for a substantial distance below said cover part to provide exposed corners adapted to be laterally gripped, and the walls of said receptacle part having resilient yieldability whereby lateral gripping pressure applied to diagonally opposite corners disposes the front and rear walls of said receptacle part in angular relation to the front and rear walls of said cover part and moves the side walls of said receptacle part inwardly away from the side walls of said cover part to thereby permit said cover part to open under the action of said spring member.

2,483,305
MODEL ENGINE MAGNETO
Emil Vollenweider, Sacramento, Calif.
Application January 14, 1947, Serial No. 721,889
7 Claims. (Cl. 290—1)



1. A magneto for a model engine having a crankcase, a projecting crankshaft, and a flywheel on the latter, the magneto including an armature, means adapted to mount the armature in connection with the crankcase in surrounding relation to the projecting crankshaft adjacent the flywheel, and means adapted to form an induction

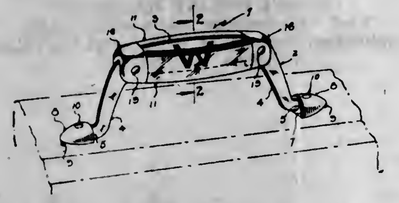
rotor on the flywheel in cooperative relation to the armature; said armature including laminated sheet metal field pieces on opposite sides of the magneto axis, the laminations of said field pieces converging forwardly relative to said axis, and the working faces of said field pieces being formed at substantial right angles to such axis.

2,483,306
DOORSTOP
Milton E. Walpole, Medina, Ohio
Application August 15, 1946, Serial No. 690,666
2 Claims. (Cl. 16—85)



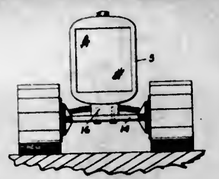
1. A door stop for limiting outward hinging of a door, comprising an elongated unit including a sleeve and a rod for telescoping therein, a substantially non-yielding stop portion within said sleeve for positive engagement by the inner end of said rod in a retracted door-open position of said unit, attaching means pivoted to the outer ends of said rod and said sleeve for attaching the unit between the door and a fixed structure generally in the direction of outward swinging movement of the door and with the points of attachment for said attaching means at substantial distances from the hinge point of the door, said rod and sleeve thereby being in extended relation in the door-closed position of said unit, shoulder means fixed on said rod in spaced relation to the inner end of said sleeve, and a compression spring on said rod engaged between said shoulder means and said inner end of said sleeve, said spring being effective to apply cushioning action between the extended and retracted positions of said rod and sleeve.

2,483,307
SUITCASE HANDLE HAVING TRANSPARENT PLASTIC GRIP AND U-SHAPED METAL CORE
George Henry Wheary, Jr., Racine, Wis., assignor to Wheary, Incorporated, Racine, Wis., a corporation of Wisconsin
Application June 20, 1946, Serial No. 678,049
5 Claims. (Cl. 190—58)



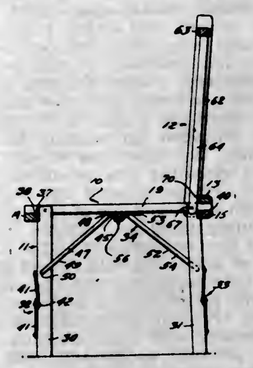
1. A suit case handle, comprising: a grip portion including an elongated flat metallic core, a pair of opposite plastic cover members disposed flatwise over the opposite sides of the core, shell-like caps embracing the opposite ends of the plastic covers and the core therebetween, and rivets passing through said caps, the covers and the core therebetween for holding the covers in place on the opposite sides of the core and the caps in place enclosing the ends of the covers; legs joined to the core adjacent to the ends of said grip portion and extending angularly through openings in said caps to one side of the grip portion substantially in the plane of said core; and means on the extremities of said legs remote from the grip portion of the handle providing for hingedly connecting the handle to a suit case or similar piece of luggage.

2,483,308
TRACTOR TRACK STABILIZER
David R. Zang, Millbrae, Calif.
Application February 13, 1946, Serial No. 647,244
3 Claims. (Cl. 305—9)



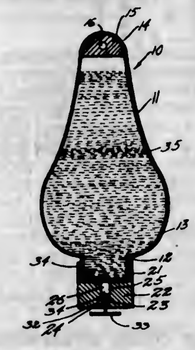
3. In a device of the character described, the combination with a tractor having a body portion and a pair of track-laying elements pivotally connected thereto, each of said track-laying elements consisting of a frame and a track movable thereon, a plate secured to the opposing faces of said frames, a spreader-bar connected to said body, a carrier-plate mounted on each end of said spreader-bar, a wear-plate attached to each of said carrier-plates and engaging the plates on said frames, and means for adjusting said wear-plates with respect to said carrier-plates whereby said wear-plates will be held in engagement with said first mentioned plates.

2,483,309
COMBINATION FOLDING CHAIR AND TABLE
Mario Amaducci, Martinez, Calif.
Application December 13, 1945, Serial No. 634,725
4 Claims. (Cl. 155—43)



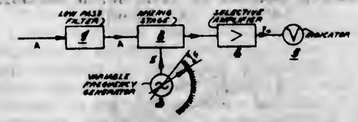
4. In a folding chair, the combination of a seat including a rear cross rail and a plurality of spaced parallel slats extending forwardly from said rail and secured thereupon, said slats provided with aligned transverse holes adjacent to and forwardly of said rail; a back rest comprising spaced side rails, a top rail connecting said side rails and a plurality of strips intermediate said side rails, secured to said top rail, said back rest disposed with the lower portions of its rails laterally of the outermost of said seat slats and the lower portions of said strips disposed between said seat slats, and said side rails and strips provided with transverse holes aligning with each other and with the holes of said slats, said lower ends of the strips being rounded and engaging said rear cross rail of the seat, the radius of said rounded ends of the strips being struck from the axis of said holes therein; a hinge rod extending thru said aligned holes of said slats and strips, hingedly connecting said seat and back rest whereby said strips bear against said rear cross rail of the seat, when the back rest is up and whereby said strips are accommodated between said slats when the back rest is folded down; and a stop bar secured to the upper rear portions of said slats, against which said side rails abut when the back rest is up.

2,483,310
FIRE SQUELCHER
Harvey Baker and Charles E. Le Cocq, Bellingham, Wash.; Elizabeth Le Cocq executrix of said Charles E. Le Cocq, deceased
Application October 5, 1945, Serial No. 620,434
1 Claim. (Cl. 169—36)



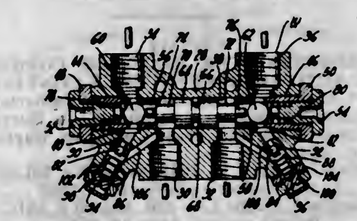
A fire extinguishing device comprising a friable substantially pear-shaped container, a neck portion extending from said container, a cap threadingly received on said neck portion, a bore in said cap adapted to receive a firing cartridge therein, a firing pin slidably received in said cap and the extremity of said neck portion, means for directing the flight of said container, means for flexibly joining said directing means to said container, and said directing means including intersecting substantially rectangular plates.

2,483,311
FREQUENCY ANALYZER
Lourens Blok, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 13, 1946, Serial No. 683,566
In the Netherlands May 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1963
3 Claims. (Cl. 250—39)



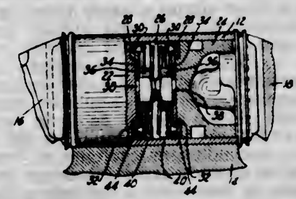
1. A circuit arrangement for determining the frequency components of voltages of unknown frequency, comprising a low-pass filter, a calibrated variable frequency oscillator, a mixing stage coupled to said low-pass filter and said variable frequency oscillator, a selective amplifier with fixed tuning coupled to said mixing stage, an indicator coupled to said selected amplifier, and means to apply said voltages of unknown frequency to said low-pass filter.

2,483,312
VALVE
Robert B. Clay, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 2, 1944, Serial No. 547,689
4 Claims. (Cl. 277—3)



1. A valve of the type described for use in a hydraulic system where it is desirable to lock-in the hydraulic fluid acting on a fluid motor to prevent movement of said motor at times comprising a body member having a bore therein, cylinder ports communicating with the ends of the bore, inlet and exhaust ports communicating with the ends of said bore, valve seating elements in the ends of the bore and disposed between the cylinder ports and the inlet and exhaust ports, valve members normally seated on said valve seating elements and arranged to unseat in response to inlet pressure, and a plunger in said bore shiftable therein in response to the difference in pressure in said inlet and exhaust ports, said plunger having ends formed for engagement with said valve members for unseating the same and for cooperating with the valve seating elements for restricting the flow past whichever valve member is unseated by the plunger.

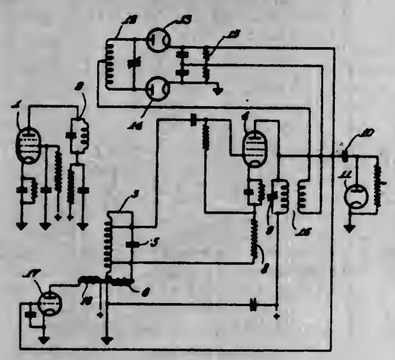
2,483,313
PISTON SEALING MEANS
William H. Du Bois, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 29, 1944, Serial No. 542,764
1 Claim. (Cl. 309—34)



In a hydraulic cylinder having a piston reciprocable therein and a chamber at the front of said piston to which fluid under pressure is introduced to move the piston, means for preventing escape of fluid from the chamber comprising a sealing member associated with the piston having a lip lying along the cylinder wall and extending toward the chamber, an expander associated with the sealing member constituted by a ring-shaped stamping having an inclined outer surface in contact with the forward inner

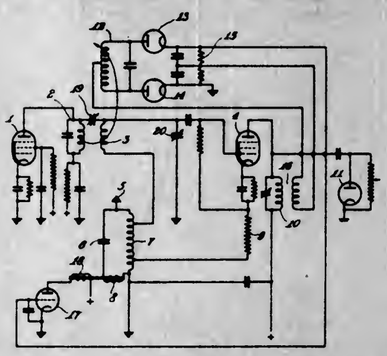
edge of the lip of the sealing member and having a flange at its forward end of substantially the diameter of the cylinder arranged to serve as a guide for the expander, said expander having an annular spring-engaging surface extending inwardly from the small diameter end of said inclined outer surface and a forwardly-extending hook flange at the radially inner edge of said spring-engaging surface adapted to position one end of a spring, and a spring acting on said spring-engaging surface to exert a force through the inclined outer surface of the expander urging the lip of the sealing member outwardly into sealing contact with the cylinder wall.

2,483,314
SUPERHETERODYNE RECEIVER COMPRISING AUTOMATIC FREQUENCY CONTROL
Folkert Albert de Groot, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1946, Serial No. 661,522
In the Netherlands April 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1963
3 Claims. (Cl. 179—171)



1. An amplifier circuit arrangement, particularly for use in a receiver for receiving signal voltages of carrier and sideband frequencies, comprising an amplifier having an input circuit and an output circuit for translating a first signal voltage having frequency components corresponding to said carrier and said sideband frequencies, a filter circuit sharply tuned to a frequency corresponding to said carrier frequency and coupled to the input circuit of said amplifier to apply a signal voltage of frequency corresponding to said carrier and sideband frequencies to said amplifier, means to couple said filter circuit to said amplifier to derive and apply to the input circuit of said amplifier a second signal voltage of frequency corresponding to said carrier frequency to reduce the damping of said filter, a frequency discriminator circuit having a first resonant circuit coupled to the input circuit and a second resonant circuit coupled to the output circuit of said amplifier to produce a frequency control voltage, means responsive to said control voltage to tune said filter sharply to an intermediate frequency corresponding to said carrier frequency, said first and said second resonant circuits having quality factors such that said frequency control voltage varies substantially solely proportional to the difference in frequency between the frequency to which said filter is tuned and the frequency of said signal voltages, and means coupled to the output circuit of said amplifier to derive an output voltage comprising said first signal voltage and said second signal voltage and having carrier frequency components relative to sideband frequency components greater than the carrier frequency component of said first signal voltage.

2,483,315
SUPERHETERODYNE RECEIVER
Folkert Albert de Groot, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1946, Serial No. 661,523
In the Netherlands May 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1963
10 Claims. (Cl. 179—171)



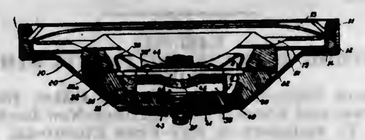
1. An amplifier circuit arrangement, particularly for use in a receiver for receiving signal voltages of carrier and sideband frequencies, comprising an amplifier having an input circuit and an output circuit, filter circuit elements sharply tuned to a frequency corresponding to said carrier frequency, means to apply a first signal voltage having frequency components corresponding to said carrier and said sideband frequencies to the input circuit of said amplifier, means to couple said filter circuit elements to said amplifier to derive a second signal voltage of frequency corresponding to said carrier frequency, means to apply said second signal voltage to the input circuit of said amplifier and to reduce the damping of said filter, and means coupled to the output circuit of said amplifier to derive an output voltage comprising said first signal voltage and said second signal voltage.

2,483,316
CINCH WITH SPREADER
Arthur F. Holly, Forsyth, Mont.
Application October 19, 1948, Serial No. 55,394
7 Claims. (Cl. 54—23)



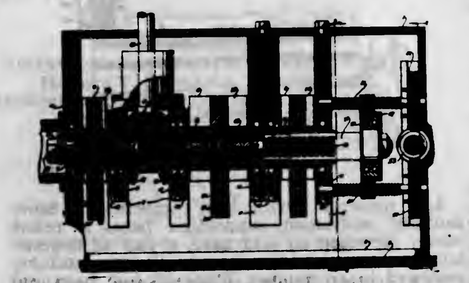
4. As a component phase of the invention shown and described, a spreader unit embodying a rigid bar, a buckle, a length of rope bent between its ends to provide parallel strands, the bight portion being looped around said bar, the strands being passed through the looped bight to provide a self tightening hitch, the free ends of the strands being secured to said buckle.

2,483,317
CARBON TYPE MICROPHONE
Charles Laurent, Paris, France
Application January 7, 1946, Serial No. 639,603
In France January 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1964
5 Claims. (Cl. 179—122)



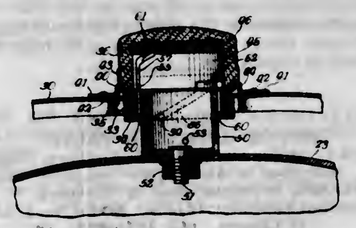
1. In a microphone diaphragm case, a granule chamber, a stationary electrode in said granule chamber comprising a central concave portion and a surrounding straight portion of substantial width, a vibrating diaphragm, a movable electrode connected to said vibrating diaphragm, said movable electrode comprising a central convex portion and a surrounding straight portion of substantial width, said electrodes partially defining said granule chamber and forming a central spherical cup portion therein and a plane portion surrounding said cup portion, said chamber having an annular portion surrounding said plane portion, a circular spring member carrying said movable electrode, a rim maintaining the edge of said circular member and a flexible element united to said rim.

2,483,318
OSCILLATOR
Benjamin J. Lazan, Greenwich, Conn.
Application July 13, 1945, Serial No. 604,781
5 Claims. (Cl. 74—61)



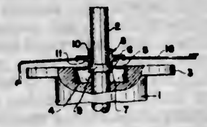
1. An oscillator comprising, in combination, a plurality of eccentric weights, means for rotating said weights in opposite directions from each other about a common axis and in such angular relation to each other as to produce a resultant vibratory force in a predetermined direction, means for supporting said weights for movement radially of said common axis, and means movable axially along said common axis for radially adjusting said weights so as to vary the magnitude of the resultant force.

2,483,319
PRESSURE COOKER COVER FASTENER
Walter C. Lueneburg, Evanston, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 30, 1947, Serial No. 745,065
13 Claims. (Cl. 220—25)



1. In a pressure cooker comprising a receptacle having an elliptical top opening and a cover with the latter engageable with the underside of the margin of said opening and movable therethrough when tilted and rotated 90° out of alignment with the opening, a bridge member adapted to rest on the receptacle, a cover supporting element extending through said bridge member and rotatable and vertically movable relative to said bridge member, and a manually operable element in coaxial telescoping relation and having a connection with said cover supporting element for rotating the cover into and out of alignment with the receptacle opening, said connection being constructed to provide for rotation of the manually operable element relative to the cover supporting element after the cover is turned into alignment with said opening to draw the cover supporting element upwardly and thereby effect tight sealing engagement of the cover with the margin of said opening.

2,483,320
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application August 16, 1946, Serial No. 691,103
14 Claims. (Cl. 57—116)



1. In a flier for spinning machines and the like, a central apertured body member having base and head portions, a peripheral flier wire support member formed on the body between the base and the head portions, a flier wire support adapted to seat on the peripheral member, said support having a central opening adapted to receive the head portion of the body member, and means integral with the flier wire support contiguous to said central opening and frictionally engaging the flier body when the flier wire support is seated on said peripheral member, whereby the flier wire support is securely clamped to the flier body.

2,483,321
FLIER CONSTRUCTION
Michael J. McHale, Scranton, Pa.
Application February 18, 1947, Serial No. 729,243
6 Claims. (Cl. 57—116)

1. A balanced unitary molded plastic flier block comprising a centrally apertured body member

having an off-set foot adapted for insertion into the head of a bobbin, and a peripheral flange on the body member having an enlarged portion in



a direction opposite the foot, whereby to balance centrifugal forces generated by said foot when the block is rotated.

2,483,322
MOTOR OPERATED VALVE
Edward G. Miller and Ralph E. Engberg, Clayton, Mo., assignors to Alco Valve Company, Maplewood, Mo., a corporation of Missouri
Application February 18, 1943, Serial No. 476,278
31 Claims. (Cl. 137—139)



1. In a mechanism of the kind described, a valve member, mechanism for actuating the valve member to open and closed positions, said mechanism comprising power means selectively operable into two conditions, the first to move the valve in an opening direction and the second to move the valve in a closing direction, and a yieldable, resilient connecting means between the power means and the valve, said connecting means normally maintaining the power means and the valve in predetermined relationship, but yieldable to permit relative movement between them, a first control means adapted to control which condition of operability the power means shall have, said first control including a device displaceable from a first position in which it selects the first condition of the power means to a second position in which it selects the second condition of the same, means moved upon movement of the valve to establish the first position of the displaceable device when the valve is closed, and to shift the displaceable device to second position when the valve opens, and yieldable detent means in addition to the connecting means adapted to effect movement of the valve into either of its positions with a snap-action, and yieldable to maintain the valve in either of its two positions.

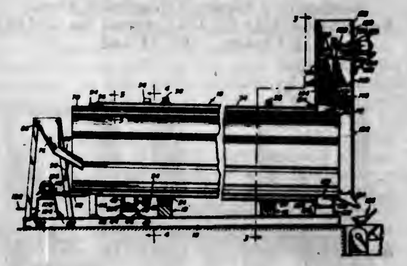
12. In a mechanism of the kind described, a rotary shaft, an element rotated thereby, a star wheel adapted to be rotated a limited distance upon each rotation of the element, means yieldably to hold the star wheel in any of its positions, a pin on the star wheel, an indicator disc rotatably mounted concentrically with the star wheel, a slot in the indicator disc into which the pin engages, said slot having an arcuate length so that the pin is free to move in said slot without displacing said disc for a predetermined number of revolutions of the motor shaft, but so that the pin will displace the indicator disc upon additional revolutions of the motor shaft beyond such number, and means for yieldably maintaining the indicator disc in any of its positions.

14. In a mechanism of the kind described, an electrical motive means adapted to be operated in forward and reverse directions, actuated means adapted for forward and reverse movement into opposite positions by the motive means, and means connecting the motive means and the actuated means for operation of the latter by the former, said connecting means including means permitting relative movement between the motive means and the actuated means, yieldable detent means adapted to apply a quick-acting force to the actuated means to cause the same to snap into one position and to be yieldably retained therein, limit switch means to reverse the electrical connections of the motive means, said limit switch means being of the snap-action type, and means to cause the limit switch means to operate only after the motive means has moved sufficiently to overcome the effect of the detent means.

2,483,323
METHOD OF PREPARING PHENYL ETHYL ALCOHOL
Leonard Nicholl, Nyack, William Bitler, Haverstraw, and Thomas Carl Aschner, New Rochelle, N. Y., assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York
No Drawing. Application August 1, 1945, Serial No. 608,374
9 Claims. (Cl. 260—618)

1. A process for the manufacture of aromatic alcohols which comprises preparing a mixture of an acid condensing agent comprising aluminum chloride, in an aromatic hydrocarbon, establishing and maintaining a vacuum of 40–50 mm. on the body of the reactants, and then introducing an alkylene oxide into the mixture and at a rate below the normal reaction speed, whereby the alkylene oxide is instantaneously reacted on contact with the liquid.

2,483,324
CORN DRIER
Olaf J. Peterson, Zumbrota, Minn.
Application March 26, 1948, Serial No. 17,210
4 Claims. (Cl. 263—32)



4. A material drying kiln comprising a horizontally positioned supporting base, a prime mover mounted on said base, a pair of concentrically disposed cylindrical drums rotatably mounted in an inclined plane on said base and driven by said prime mover, the opposing ends of said drums being open and said inner drum having its ends extended beyond the ends of the outer drum, spacing means between said drums, a supply means disposed at one end of the drums for discharging material into the inner drum, a burner unit disposed below the supply means, means for conducting hot gas from the unit between the drums, a shield covering one end of the inner drum, a discharge chute carried by said shield, a stack vertically disposed at the discharge end of the drums and formed on the shield and

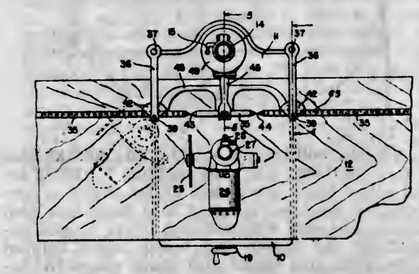
mounted on the outer drum, a vertical partition in said stack defining a passage for the inner drum and a passage for the outer drum, an exhaust fan disposed in said stack above the partition, dampers in said passages and longitudinally extending circumferentially spaced agitating bars mounted on the inner surface of the inner drum.

2,483,325
RAG DOLL
Dorothy Mae Sanders and Ida V. Avey, San Marcos, Tex.
Application May 14, 1947, Serial No. 747,896
1 Claim. (Cl. 46—159)



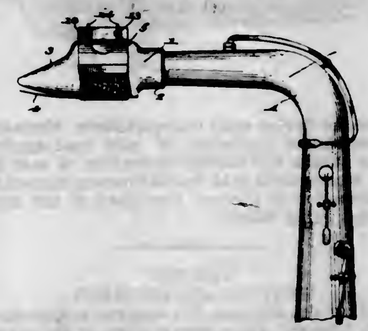
A flexible stuffed cloth doll comprising a casing having a multi-piece body portion, arm and leg pieces for forming part of said body portion, a multi-piece head section having segments of two of said head pieces providing a mouth for said head section, eye and nose members in one of said head pieces, means for retaining said eye and nose members in position, bulges in said leg pieces, resilient means attached to said leg pieces offset from the longitudinal axis of the legs for urging said leg pieces in aligned position relative to the longitudinal axis of said body portion, simulated hair comprising rows of strands on the head section, said eyes and nose retaining means including a plate in said head section having strings secured thereto connecting said eyes and nose members to said plate, said leg pieces cut on the bias thereby facilitating bending at the joints thereof.

2,483,326
SWINGING SAW FENCE CONSTRUCTION
Howard V. Schwandt, Weston, Oreg.
Application February 19, 1947, Serial No. 729,619
7 Claims. (Cl. 143—175)



1. A fence construction for use with a swinging saw supported for adjustment of the plane of swing about a vertical axis, said fence construction comprising in combination, a movable guide bar, a pair of pivotally-supported parallel arms pivotally connected to said guide bar, said guide bar being divided by a slot therethrough, a bracket bridging said slot and connecting the divided portions of said guide bar rigidly together, and a linkage pivotally connected to a portion of said guide bar and connected to the support for said swinging saw for moving said guide bar when said saw is adjusted about said vertical axis whereby said slot in said guide bar is maintained in alinement with path of swinging movement of said saw.

2,483,327
CLAMP OR LIGATURE FOR CLARINETS, SAXOPHONES, AND SIMILAR INSTRUMENTS
Walter A. Stalowski, Elizabeth, N. J.
Application February 17, 1948, Serial No. 8,948
1 Claim. (Cl. 84—383)

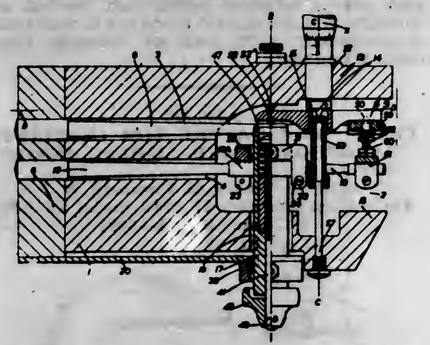


A ligature for musical wind instruments comprising a pair of semi-cylindrical substantially rigid portions adapted to partially embrace the mouthpiece of a wind instrument, fastening means for connecting said portions to each other at one of their ends, a fabric piece of flexible woven material of semi-cylindrical shape adapted to partially surround said mouthpiece, means at the opposite ends of said portions for rigidly engaging said fabric piece, said last named means including members having openings for the reception of the ends of said fabric piece, and teeth on said means engaging said fabric piece and for retaining said fabric piece in place on said portions.

2,483,328
SCREW ADJUSTMENT COMPARATOR
Phillip Gilbert Thomas, Leatherhead, England
Application November 13, 1943, Serial No. 510,234
In Great Britain November 25, 1942
11 Claims. (Cl. 33—170)

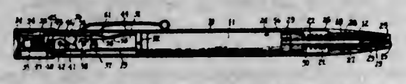
1. Apparatus of the class described including, in combination, means forming a head, a first beam means, a second beam means, both said beam means having an end thereof fixed relative to each other in said head, means for variably loading both said beam means within the elastic limit of the material forming both said beam means, said means for variably loading the beam means including a bridge member carried by both said beam means and cooperatively interconnecting the same, load-applying means carried by said head and adapted to load said beam means through said bridge member, and means for detecting when the deflections of both said beam means due to the loading have reached prescribed limits, said detecting means comprising an electric circuit, contact means carried by said first beam means and contact means carried by said second beam means, said contact means

being included in said circuit, a feeler device carried by said second beam means and adapted to cooperate with the workpiece, said load-applying means being adapted to load and deflect both said beam means until the deflection of said second beam means is terminated by the contact of



said feeler device with the workpiece, whereafter the continued operation of said load-applying means causes the further deflection of said first beam means until said contact means engage and an indication is thereby furnished of the measurement being taken.

2,483,329
WRITING INSTRUMENT
John C. Wahl, Chicago, Ill., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application August 6, 1945, Serial No. 609,277
1 Claim. (Cl. 120—42.03)

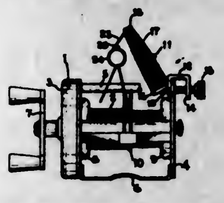


In a writing instrument, a hollow casing provided at its front end with a forwardly opening bore and at its rear end with a rearwardly opening bore, a writing tip reciprocably mounted in the front bore for movement between a retracted position and a projected position, a push button reciprocably mounted in the rear bore, and means within the casing operated by the button and acting upon the tip to alternately project and retract the tip upon successive forward movements of the button; said projecting and retracting means including a rotatable ratchet wheel which reciprocates with the button and is rotatable in but one direction, a stationary element in the casing which turns the wheel every time the wheel moves forwardly, and a second stationary element in the casing which holds the wheel against rearward movement by engagement with predetermined teeth thereof every other time the wheel starts to move rearwardly.

2,483,330
BONDING FABRICS
Ronald George Bartlett, John Lewis Mollliet, and Reginald John William Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 7, 1942, Serial No. 438,016. In Great Britain May 19, 1941
5 Claims. (Cl. 154—115)

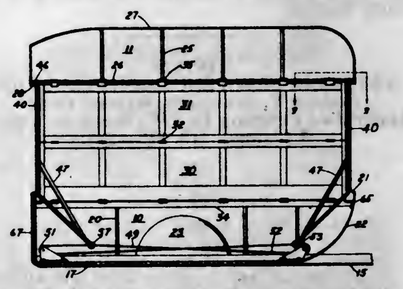
5. The process of preparing semi-stiff collars which are highly resistant to repeated launderings which comprises applying a composition containing approximately equal parts of a water soluble polyvinyl alcohol and a water soluble urea-formaldehyde condensate to an interlining fabric in the amount of 85 to 110 per cent of the said composition based on the weight of the interlining fabric and thereafter causing further reaction between the said alcohol and condensate while simultaneously joining to the interliners a face and back-ply by applying pressure at about 150° C. for about 1½ minutes.

2,483,331
ANTIBACKLASH ATTACHMENT FOR FISHING REELS
Roland R. Bollman, Cincinnati, Ohio
Application September 24, 1947, Serial No. 775,779
8 Claims. (Cl. 242—84.5)



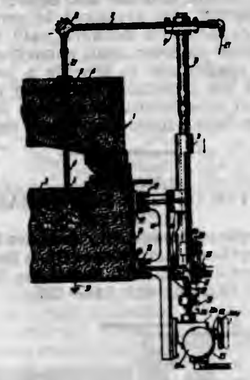
1. An anti-backlash device for a fishing reel comprising, a yieldable post having a yieldable shaft at its interior terminating in a brake shoe adapted for engagement with a spool of a fishing reel, an arm extending from the upward extremity of the post and terminating in an eyelet, and a clamp bracket for sustaining the lower end of said post and having a bore which is traversed by said brake shoe, said clamp bracket being adapted for engagement with a stationary portion of a fishing reel.

2,483,332
COLLAPSIBLE TRAILER VEHICLE
Harold C. Brumbaugh, Portland, Oreg.
Application April 15, 1946, Serial No. 662,284
5 Claims. (Cl. 296—23)



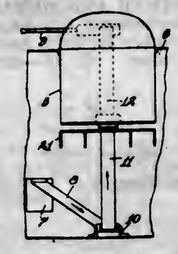
1. A trailer comprising cooperating boxlike base and roof sections, side wall sections hingedly secured along their lower and upper edges to corresponding edge portions of said base and roof sections, said side wall sections being hinged intermediate the upper and lower edges thereof parallel with said upper and lower edges for inward folding movement, end wall sections hingedly mounted adjacent their upper ends to the forward and rear ends of said roof section, the lower ends of said end wall sections being movable inwardly toward each other in said base section for permitting lowering of said roof section, and means operatively connected to the lowermost ends of said end wall sections for forcing said lower ends apart and raising of said roof section relative to said base section.

2,483,333
MOLTEN GLASS LEVEL INDICATOR AND RECORDER
Madison M. Cannon, Jr., West Hartford, and John S. Light, Simsbury, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 21, 1946, Serial No. 656,000
14 Claims. (Cl. 73—290)



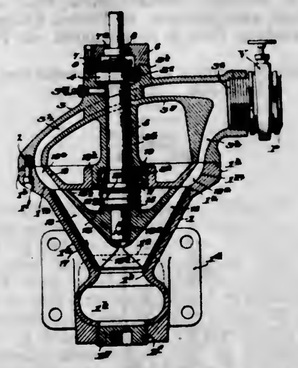
12. In apparatus of the character described, a vertically movable glass detecting element, means to reciprocate said element vertically to move it repeatedly downward to the surface of a body of molten glass and then upward therefrom so that the lower limit of each downward movement of the detecting element varies directly with the level of said surface, and a lost motion device comprising a casing connected to move vertically in unison with the detecting element, said casing having a vertical opening in its top, a vertically disposed rod mounted to depend through said vertical opening into said casing and to move vertically from any previously assumed position only when positively impelled upward or downward, an abutment element on the portion of said rod within said casing in position to be struck by the top of said casing to cause a downward movement of said rod in accordance with a lowering of the level at which said detecting element touches the surface of said body of molten glass at the end of a downward stroke thereof, a pneumatic rod-position adjusting means in the casing constructed and arranged when supplied with air under pressure to lift said rod until said abutment element contacts the top of the casing when the latter is at the lower end of its downward stroke if said abutment is not already in that position, an air supply and exhaust conduit operatively connected to said rod-position adjusting means, a solenoid valve controlling said conduit and adapted, when energised, to supply air under pressure thereto and to permit exhaust of air therefrom at all other times, and electrical means to effect energization of said solenoid valve only when said glass-level-detecting element is at rest after each downward stroke thereof to the surface of said body of molten glass, said last named means including a reversible, induction motor included in said means to reciprocate said glass detecting element and electrical circuit forming means, including said glass-level-detecting element, to operate said motor alternately in relatively reversed directions, and other electrical parts and connections operatively connecting said solenoid valve with said circuit forming means to energise said solenoid valve only when there is a surge of additional current to the motor to reverse it to raise said detecting element from the glass surface after each downward level-detecting stroke of said element.

2,483,334
SUPPLY OF AMMUNITION TO FREELY ROTATABLE GUN TURRETS
Evelyn Cecil Muschamp d'Assis-Fonseca and John Wotton, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application December 18, 1945, Serial No. 635,658
In Great Britain December 19, 1944
7 Claims. (Cl. 89—33)



1. A device of the kind set forth comprising a gun turret, a belt of ammunition, a source of supply of ammunition disposed outside the turret, chute means for conveying the ammunition belt from said source of supply into said turret, means for twisting the chute with rotation of the turret, means for resisting the twisting of said chute and for returning the chute to its untwisted position when the chute has been twisted through a predetermined angle.

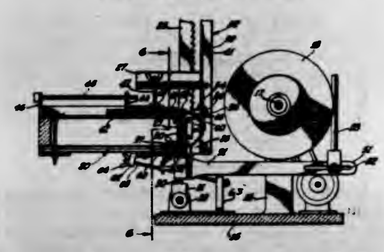
2,483,335
PUMP
John H. Davis, Detroit, Mich., assignor to Jessie A. Davis Foundation, Inc., Detroit, Mich., a corporation of Delaware
Application June 30, 1947, Serial No. 758,172
14 Claims. (Cl. 103—88)



1. A liquid pump, comprising a casing having a substantially conical impeller chamber progressively contracting towards one end into an inlet, said casing being open at the larger end

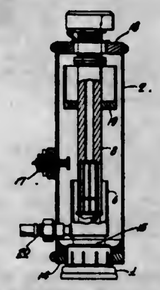
of the chamber; a cap closing the open end of the casing and having an outlet; a driven shaft journaled in the cap coaxially of the chamber; an impeller on said shaft within the chamber and comprising a substantially cone-shaped head progressively enlarging towards said cap, a series of spirally arranged ribs on said head spaced from the wall of the chamber, and a sleeve surmounting the ribs and rotatable with the head and embracing the length of the ribs and having a slight clearance from the wall of the chamber; the spacing between the head and sleeve progressively decreasing towards the larger end of the impeller; and a fixed ring within the casing adjacent the cap and having fins therein adapted to convert the rotary motion of the liquid emerging from the impeller into rectilinear motion within the ring before passing into the cap.

2,483,336
SAW RETOOTHER AND METAL CUTTER
Herbert P. Deyarmond, Los Angeles, Calif.
Application December 22, 1945, Serial No. 636,978
7 Claims. (Cl. 76—42)



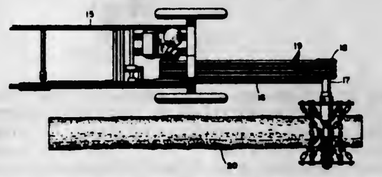
1. In a device of the character described, a base, an abrasive wheel, a post carried by said base, a work-supporting bed mounted on said post, means to move said post and bed relative to said wheel so as to shift the work into and out of contact with said wheel, means including a motor to actuate said last-named means, and a lever train having one end secured to said base to advance the work on said bed on alternate strokes of the latter, actuated in response to movement of said bed relative to said base.

2,483,337
GRID-PULSED CAVITY OSCILLATOR
Charles E. Dolberg, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 27, 1943, Serial No. 511,985
7 Claims. (Cl. 250—36)



2. In a grid-pulsed cavity-type oscillator, comprising a resonant cavity, a vacuum tube mounted therein and including a grid electrode, a grid cylinder electrically connected to said grid electrode and surrounding the same, said cavity having a wall opening in the vicinity of said grid cylinder, a signal input conductor extending through said opening and electrically connected to said grid cylinder at a point of low voltage with respect to the operating frequency, a hollow conductive member surrounding said conductor in spaced relation thereto and electrically connected to the cavity wall about said opening, said hollow member extending through said opening and having portions disposed interiorly and exteriorly of said cavity, and dielectric means interposed between said conductor and said hollow conductive member, the said hollow member and dielectric means being constructed and arranged to provide predetermined capacitance between said conductor and said hollow member, said capacitance being of sufficient magnitude to provide a low-impedance path at the generated frequency of the oscillator but of insufficient magnitude to by-pass the relatively lower frequency input signal.

2,483,338
CHAIN-TYPE CUTTER FOR DEBARKING MACHINES
Melvin Douglas, Chicago, Ill., assignor to Harry A. Lowther Co., Chicago, Ill., a firm
Application June 2, 1947, Serial No. 751,715
2 Claims. (Cl. 144—208)

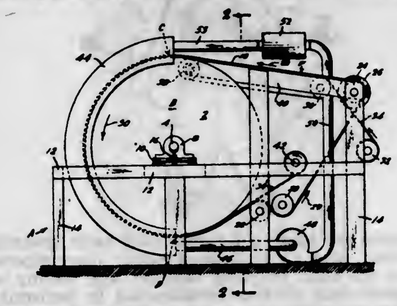


1. A log debarking machine comprising a carrier adapted to travel in a course parallel to the log and having a power drive, a transverse shaft driven by the latter, and a debarking unit operated by the shaft and engageable with the surface of the log during the travel of the carrier, said unit comprising a pair of discs carried by the shaft in spaced relation, oppositely positioned attaching elements carried by the outer peripheral portions of the discs at equal radial distances from the shaft, a plurality of chains spanning the discs, each chain being secured endwise to a non-opposite pair of said attaching elements, whereby the chains are positioned diagonally between said discs and in spaced uniform relation about said shaft, one of said discs being mounted to slide along the shaft toward the other disc, and yieldable means opposing movement of the slidable disc toward the other disc to normally maintain said chains in substantially taut condition.

2,483,339
APPARATUS FOR LATERALLY STRETCHING CONTINUOUS SHEETS
Charles E. Gardner, Hollis, and Edward Boyd Gardner, Williston Park, N. Y., assignors to Gardner Industrial Associates, Inc., Hollis, N. Y., a corporation of New York
Application January 6, 1948, Serial No. 768
10 Claims. (Cl. 18—19)

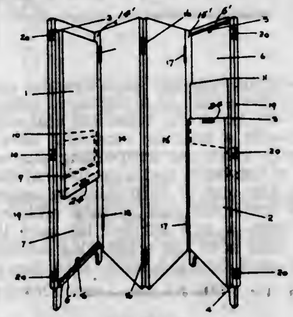
5. A machine for laterally stretching continuous sheets comprising a frame, a pair of opposed plates tiltably connected to said frame at opposing edges, means on said plates cooperable with said frame for adjusting the degree of tilt

thereof, wheels rotatably mounted on said plates with their axes of rotation substantially parallel thereto and tiltable therewith, said wheels being oppositely mounted in divergable relationship, the rims of said wheels defining sheet supporting surfaces closely spaced with respect to one another at one pair of points, and widely spaced with respect to one another at another pair of points, when said wheels are diverged by tilting of said plates, a motor on said frame having a driving pulley, and a pair of flexible elements each



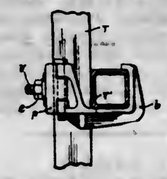
engageable over the sheet supporting surface of one of said wheels at said closely spaced points and disengageable therefrom at said widely spaced points, said flexible elements being adapted to grasp a portion of the sheet to be stretched between themselves and the portions of said sheet supporting surfaces with which they are engaged, said flexible elements also passing over said driving pulley in driven relationship therewith, whereby said flexible elements serve to rotate said rotatable elements and feed the sheet to be stretched.

2,483,340
WARDROBE
Louis Gilbart, Leeds, England
Application August 28, 1945, Serial No. 613,056
In Great Britain July 12, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 12, 1964
1 Claim. (Cl. 312—144)



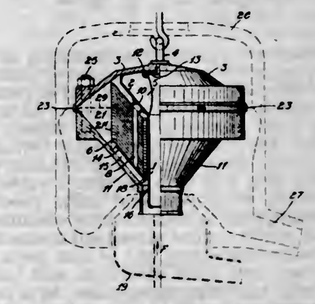
A folding wardrobe composed of two side panels, two back panels and two door panels, adjacent panels being hinged together longitudinally, a top panel hinged to a side panel so that it may be lowered and folded against the side panel, a bottom panel hinged to a side panel so that it may be raised and folded flat against the side panel, the panels being hinged together so that they can be opened to form a wardrobe held rigid by the top and bottom panels and when folded brought together to form a flat compact unit, said top panel having a vertically depending side hinged to the underside thereof, one of the side panels adjacent the vertical side having a horizontal shelf hinged at one end to its inner side, and means when the panels are opened for detachably connecting the horizontal shelf to the vertical side to form a compartment in the wardrobe.

2,483,341
SCAFFOLDING
Charles Haas, Bilbao, Spain
Application April 8, 1946, Serial No. 660,377
In Great Britain July 27, 1945
4 Claims. (Cl. 304—40)



1. In a scaffolding, metal tubes substantially rectangular in cross-section placed coaxially end to end, clamping means having separable clamping arms, said clamping arms extending from the inner face of one of said tubes to the inner face of the next tube, means for wedging said clamping arms against the inner faces of said tubes, and means for maintaining said clamping arms in frictional non-sliding engagement with said inner faces.

2,483,342
CONE DISK TYPE CENTRIFUGAL SEPARATOR BOWL
Fernand Jean Joseph Julien Henrard, Remicourt, Belgium, assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium, a Belgian company
Application September 25, 1946, Serial No. 699,212
In Belgium October 5, 1945
2 Claims. (Cl. 233—46)



1. A centrifugal separating bowl for continuous separation of liquids comprising a casing formed of upper and lower halves of conical shape and being joined along their meeting edges, a feed conduit disposed centrally within said bowl and having a flared extension forming a distribution chamber supported in the upper portion of said bowl, vanes vertically arranged and radially disposed in said distribution chamber to impart rotary motion to the liquid received therein, a pack of frusto-conical discs disposed in said bowl below said distribution chamber and around said feed conduit, said discs being spaced

in superposed relationship to one another, ports arranged in said flared extension between said vanes, leading to said discs, each disc of the pack having openings formed therein which constitute substantially vertical conduits when said openings are vertically aligned, said conduits being in communication with said ports and with a discharge opening at the lower end of said bowl; jet discharge openings for heavy bodied material arranged in the periphery of the meeting edges of said casing, angular members having material depositing surfaces arranged within the casing around said discs and adjacent the said discharge openings, the vertical walls of said members cooperating with the casing walls to form funnels converging towards said jet openings, the inwardly extending arris of each of said angular members contacting the outer peripheral edges of said discs, and means passing through said casing halves and said angular members to secure them in assembled relation, said angular members being fixed and immovable with respect to said jet openings.

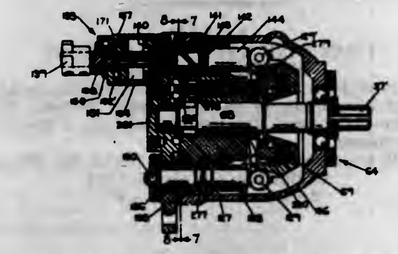
2,483,343

FLUID ACTUATED CONTROL MECHANISM

Robert K. Jeffrey, deceased, late of Bexley, Ohio, by Florence H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio

Original application August 10, 1943, Serial No. 498,087, now Patent No. 2,452,760, dated November 2, 1948. Divided and this application July 7, 1944, Serial No. 543,791

6 Claims. (Cl. 121—41)



1. Fluid actuated mechanism including in combination a cylinder, a piston in said cylinder cooperating therewith to form a closed expandable working chamber, said piston having an axially extending bore including a spiral groove connected with said chamber, a rotatable cylindrical member having spaced inlet and exhaust ports cooperating with said bore to form a valve, said ports normally straddling said spiral groove to trap hydraulic fluid in said working chamber for locking said piston against movement in one direction, a conduit connecting one of said ports with said chamber, and valve means in said conduit automatically operative in response to a predetermined pressure therein to control independently of said rotary valve means the increase in quantity of fluid in said closed expandable working chamber.

2,483,344

CHILD'S GARMENT

Philip Kessner, Forest Hills, N. Y.

Application January 12, 1949, Serial No. 70,420

2 Claims. (Cl. 2—80)

1. In a one piece child's garment, the combination of, an overall construction having front and rear sections with each section having two leg portions, said front and rear leg sections being connected at their outer marginal edges by slide fasteners, said rear leg section extending upwardly to form a back covering member, opposed front jacket sections seamed to the back covering section, sleeves seamed intermediate the back covering section and the front jacket sections, two suspender strips cut from the margins of said back covering member and integrally



merging at their tops into said back covering member, and an outermost panel superimposed upon the back covering member and having an integral skirt portion terminating in horizontal alignment with said front jacket sections; said outermost panel being seamed to said rear leg sections above a lower margin of said skirt portion and included in the same seams along side marginal edges thereof which seam the back covering member to the opposed front jacket sections.

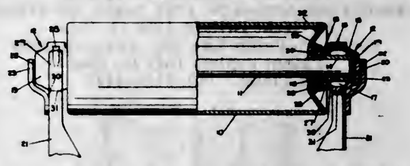
2,483,345

BEARING AND SHAFT ASSEMBLY

Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Original application May 21, 1945, Serial No. 595,048. Divided and this application May 17, 1948, Serial No. 27,552

4 Claims. (Cl. 308—20)



4. A bearing housing for a bearing adapted to support a live shaft of a conveyer roller including an outer generally spherical end surface axially opposite a bearing receiving bore therein, a generally spherical supporting surface below the axis of the bore, and a peripheral flange surrounding the end of said housing opposite said generally spherical end surface adapted to cooperate with a clip carried by said live shaft when in said bore for preventing accidental removal of said housing from said live shaft.

2,483,346

WALL FACING UNIT

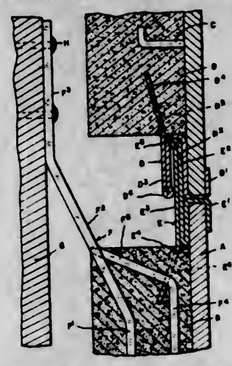
Peter J. Maul, Detroit, Mich., assignor to Macotta Unit Corporation, Detroit, Mich., a corporation of Maryland

Application February 17, 1947, Serial No. 729,023

2 Claims. (Cl. 72—25)

1. In a wall facing unit of the type comprising a front panel, a cementitious body slightly less in length and breadth in rear of and anchored to said panel and a border frame secured to the edges

of said panel; strips forming the several sides of said frame, each strip being of a cross section having a channel portion engaging an edge of said panel and an obliquely extending anchor portion imbedded in said cementitious body, the strips on opposite sides of said frame having respectively a projecting tongue and a groove for receiving a tongue of an adjacent unit, said tongue being



enlarged at its outer end to a diameter slightly greater than the width of said groove to form a sealing and friction engagement with the groove of an adjacent unit, fastener members each having a portion thereof embedded in said cementitious body in interlocking engagement with the anchor portion of one of said strips, and an outwardly and rearwardly extending portion for securing to a supporting wall.

2,483,347

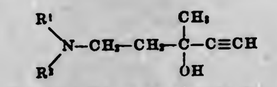
INTERMEDIATE PRODUCTS IN THE PRODUCTION OF DIALKYLAMINO VITAMIN A'S

Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 14, 1946, Serial No. 709,784

2 Claims. (Cl. 260—584)

1. As a new product a compound of the formula



in which R^1 and R^2 each stands for a member of the group consisting of monovalent alkyl, aryl and aralkyl groups.

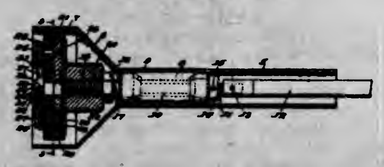
2,483,348

DEVICE FOR DEHAIRING ANIMAL HIDES AND PELTS

Frederic L. Newby and Richard F. Newby, Anderson, Ind.

Application July 26, 1948, Serial No. 40,704

4 Claims. (Cl. 69—20)



1. A portable de-hairing device comprising a rotatable cutter head, an open ended hood surrounding the cutter head, a tubular handle extending inwardly from the hood, a bearing shaft journalled in said handle and connected to said cutter head and a remotely powered flexible drive shaft for said bearing shaft and cutter head, said cutter head including a sleeve secured to the outer end of the bearing shaft, an outwardly directed annular flange on the outer end of the sleeve, a disc head interfittingly anchored to said flange and radial cutter blades secured to the outer face of the disc head.

2,483,349

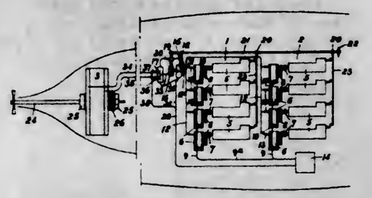
HYDRAULIC POWER INSTALLATION

Michael Gray Radcliffe Petty, Devizes, and George Frederick Jones, Aldwych, London, England, assignors to Commercial Patents Limited, London, England, a British company

Application March 20, 1945, Serial No. 583,760

In Great Britain March 9, 1944

4 Claims. (Cl. 60—19)



2. A hydraulic power installation comprising in combination a plurality of hydraulic pumps, a plurality of prime movers to drive said pumps, output regulators for said prime movers, a hydraulic motor, an output shaft driven thereby and a fluid control system including a stop and go valve, a motor control valve, hydraulic actuating means therefor and a pilot valve for controlling said actuating means, according to the required direction of live liquid flow to the motor, said stop and go valve being adapted either to bypass the live fluid from the pumps to a reservoir or to direct it through the motor control valve, and the motor control valve being adapted to determine the direction of the live fluid flow into the motor, said fluid control system including control means having stop and operating positions for controllably adjusting the motor control valve, the stop and go valve and the output regulators of the prime movers, said control means when operated from said stop position first actuating the pilot valve to set the motor control valve for direction of fluid flow, then opening the stop and go valve to the motor control valve and finally speeding up the prime movers and, on its return, reducing the speed of the prime movers and then opening the stop and go valve to by-pass.

2,483,350

TEMPERATURE PROBE OF THE THERMOCOUPLE TYPE

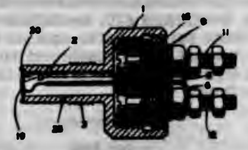
William E. Polye, River Edge, and William E. Brandau, Westwood, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application March 29, 1948, Serial No. 17,676

2 Claims. (Cl. 136—4)

1. In a temperature probe including a housing having a tubular neck, a thermocouple extending through said tubular neck and an insulating block mounted in said housing for supporting one end of said thermocouple; the im-

provement comprising a relatively thin shield-like diaphragm positioned in said tubular neck at one end thereof, said diaphragm formed of a metal having relatively great strength at high temperatures, an end of said thermocouple welded to said diaphragm, and said tubular neck having a port opening the interior of the tubular neck to the exterior fluid pressure so as to balance the fluid pressures acting at opposite sides of said diaphragm.



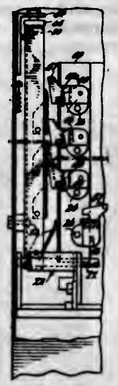
2,483,351
SAFE INCANDESCENT LAMP
Max C. Richardson, Portland, Oreg.
Application June 2, 1949, Serial No. 96,705
4 Claims. (Cl. 176—32)



1. An electric lamp of the incandescent filament type comprising a lamp bulb, an insulating base permanently secured thereto and a cap for said base, said bulb comprising a glass envelope enclosing a filament wire having terminal wires sealed in said envelope and extending to the outside thereof, said base having a channel formed transversely therethrough for receiving a pair of insulated wires, said base having pointed terminals for said terminal wires secured therein, each of said terminals being connected to only one of said terminal wires, said pointed ends of said terminals extending into said channel, said cap and said base including means co-operable to mechanically secure said insulated wires in said channel and to electrically connect said terminals to said insulated wires by forcing said points of said pointed terminals through the insulation of said insulated wires.

2,483,352
ARTICLE DISPENSING DEVICE
Peter Settecasi, New York, N. Y.
Application May 25, 1948, Serial No. 29,151
12 Claims. (Cl. 312—94)

1. In an article dispensing device, a chute, a plurality of vertically spaced shelves pivoted about horizontal, vertically aligned parallel axles, a latch associated with each axle, a fixed wall having portions engageable by said latches, a vertically slidable pawl carrier, a plurality of pawls pivoted to said pawl carrier, there being a pawl associated with each latch, the upper end of each pawl overlapping the lower end of the latch associated therewith when the pawl carrier is in its raised position, and the upper end of each pawl being adapted to move below the lower end of its latch when the pawl carrier is depressed, each pawl above the lowermost pawl being engaged by the latch below the latch associated therewith and being retained thereby against pivotable movement when the pawl carrier is depressed, and said lowermost pawl being adapted to rotate to a position below its latch when said pawl carrier is depressed and said lowermost pawl being adapted to disengage its latch when said pawl carrier is raised after being



depressed, to allow the lowermost shelf to drop, and whereby each time the pawl carrier is again depressed and raised, the next higher latch will be disengaged and the shelf associated therewith will drop.

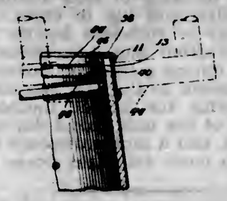
2,483,353
PINCER DEVICE FOR REMOVABLY SECURING A DENTAL PROTHESIS
Francois Seveilhac, Pierre Seveilhac, Louis Caseneuve, and Pierre Catharina, Toulouse, France
Application June 3, 1947, Serial No. 752,037
In France June 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 4, 1966
11 Claims. (Cl. 32—5)



1. A pincer device for removably securing a dental prothesis to an adjacent natural tooth, comprising a socket, means for rigidly fixing said socket to said prothesis, a soft plastic plug removably held within said socket, and a pair of pincers having arms for gripping said natural tooth and having a base embedded in said plug.

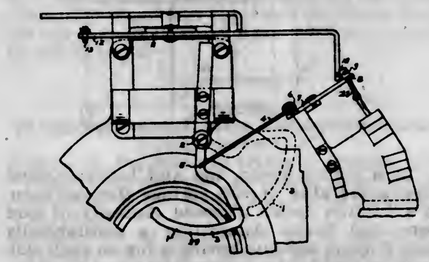
2,483,354
LAMP SHADE
Theophile A. Stiffel, Chicago, Ill.
Application May 17, 1947, Serial No. 748,758
4 Claims. (Cl. 240—108)

1. A lamp shade comprising a shade body, a spider having wire spokes, connecting metal clips crimped about the ends of said wire spokes and permanently and fixedly secured to the ends of said spokes, said clips having flat right angled shaped surfaces engaging the top and inner top side wall of the shade body and a split ring permanently crimped around the top of the shade and permanently enclosing the right angled sur-



faces of the clips, one of said clips bridging the split of said ring.

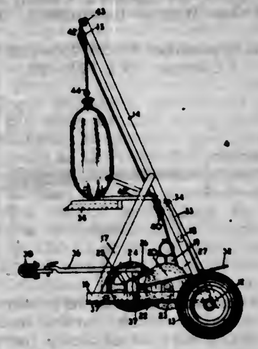
2,483,355
FABRIC GUIDING DEVICE
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 11, 1948, Serial No. 14,321
2 Claims. (Cl. 66—147)



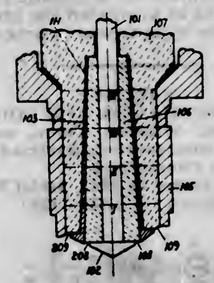
1. In a circular, independent needle, knitting machine having a cylinder, means for guiding knitted fabric which includes a finger having a portion projectable into said cylinder across said needle circle along an arcuate path said finger being adapted to contact knitted fabric and guide it downwardly into said cylinder and prevent it from bunching and means for so projecting said finger in a plurality of progressive, timed steps.

2,483,356
TRAILER-MOUNTED LIFTING APPARATUS
Leslie Basil Thwaites, Cubbington, near Leamington Spa, England
Application August 2, 1946, Serial No. 688,114
In Great Britain March 6, 1946
2 Claims. (Cl. 214—100)

1. A lifting apparatus including a frame providing a guide for a load to be raised, said guide arranged to extend upwardly when the apparatus is in the operative position for raising the load, a single pair of coaxial road wheels, a draw bar by which the apparatus can be held in the operative position while being towed, a hinged flap lightly spring pressed to a position in which it forms a continuation of the guide, a pulley means supported to be above the upper end of the guide and to be set back on the appropriate side of the upper end when the apparatus is in the operative position, a winding drum for a cable to be rove through said pulley means and attached to the load on the side of said guide remote from that to which said pulley means is offset from the upper end of the guide, servo means for operating said winding drum, means for controlling the operation of said winding drum, and abutment means limiting the extent to which the flap can be depressed by the weight of the load thereon when hoisted above and swinging clear of the upper end of the guide.



2,483,357
SPARK PLUG
Folke Winholm, Stockholm, Sweden, assignor to Bror Bernhard Karl Bergild, Stockholm, Sweden; Ulf Karl Rickard Bergild executor of said Bror Bernhard Karl Bergild, deceased
Application July 16, 1945, Serial No. 605,270
In Sweden August 30, 1944
3 Claims. (Cl. 123—169)



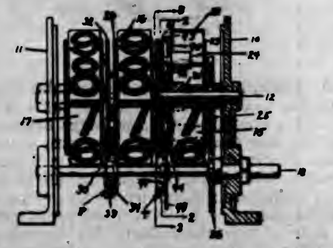
1. A sparkplug for igniting combustible gases comprising a central electrode having a cylindrical stem and a sparking head of large diameter with respect to the diameter of the stem, a concentric exterior electrode and a concentric intermediate electrode, said electrodes being electrically insulated from each other by means of molded ceramic insulators, in which the adjacent surfaces of each pair of adjacent electrodes constitute concentrically arranged surfaces including sparking surfaces, the areas of said surfaces being so chosen as to form with the air spaces between said sparking surfaces condensers of such capacity that, when a source of high potential is applied between the central and exterior electrodes, an oscillatory charge is produced, the maximum potential of which is greater than the potential applied between the central and exterior electrodes, and in which the intermediate electrode comprises a short heat conducting metallic sleeve for cooling purposes, the length of said sleeve being substantially shorter than that of the exterior electrode and so arranged in close contact with the surrounding insulators, that the sparkplug when in use attains the correct temperature for efficient operation.

2,482,258
SAFETY ATTACHMENT FOR AUTOMOBILES
Henry G. Allen, Bridgeport, Conn., assignor of one-half to Henry Greenstein, Bridgeport, Conn.
Application September 27, 1947, Serial No. 776,495
8 Claims. (Cl. 171—97)



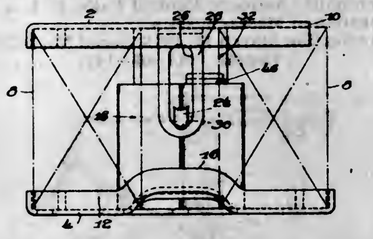
5. A safety attachment for an automobile, comprising an electric switch; means including terminals of heavy current capacity for connecting the switch in series with the battery circuit of the automobile, to open and close said circuit; and means attachable to the hand brake handle of the automobile and including a linkage for operating said switch in response to movement of the handle whereby the battery circuit is opened when the brake handle is in braking position and whereby the circuit is closed when the handle is in brake-releasing position, said linkage having a manually releasable pin-and-slot connection to enable the linkage to be extended and close the switch when the brake handle is in braking position and said connection having a camming projection extending into the slot thereof to provide for automatic resetting of the connection so as to shorten the linkage upon the brake handle being moved to brake-releasing position.

2,482,259
TRANSFER MECHANISM FOR COUNTERS
Harvey N. Bliss, Windsor, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application November 10, 1945, Serial No. 627,956
4 Claims. (Cl. 235—139)



1. In a counter, a first shaft, rotary numeral members of higher and lower orders arranged on the shaft in side by side relationship for rotation in parallel planes, a driving lug fixed to the member of lower order for rotation with the member in a first radial plane, a concentric locking shoulder fixed to the member of lower order for rotation in a second radial plane spaced from the lug and having a notch registering with said lug, a driven gear secured to the member of higher order for rotation with the member of higher order in a third radial plane spaced from the shoulder and lug, a second shaft parallel to the first shaft, and a rotatable transfer unit mounted on the second shaft between said members having a plate portion disposed in the said first radial plane extending inwardly beyond the outer periphery of said locking shoulder and provided with a plurality of slots adapted to successively receive said lug to effect a transfer movement and of sufficient length to provide gradual acceleration and deacceleration of the transfer unit during a transfer movement, locking teeth disposed in the said second plane for slidably engaging the locking shoulder to prevent rotation of the unit except during a transfer movement, and a pinion disposed in the said third plane in mesh with said driven gear.

2,482,360
SPRING GROUP
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 23, 1944, Serial No. 541,762
15 Claims. (Cl. 267—9)

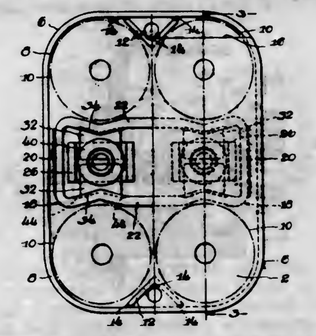


1. In a spring group, top and bottom spring plates, a plurality of coil springs therebetween, and a friction device disposed centrally of said group, said device comprising a substantially square friction housing having a lug on each side thereof welded to the bottom plate and comprising an arcuate surface affording positioning means for the adjacent spring, each corner of said housing projecting between two of said springs, arcuate inturned spring positioning flanges on said plates, at least one V-shaped member welded to each plate and having the apex of said V opposed to the adjacent corner of said housing and extending between adjacent springs for positioning the same, a follower welded to the top plate and extending into said housing, said follower presenting converging wedge faces, friction shoes within said housing and each engaging one of said faces and an adjacent surface of said housing, precompressed spring means housed within said follower in abutment with said shoes and said top plate, and means on said top plate slidably interlocked with external means formed on opposite corners of said housing for limiting the expansion stroke of said group.

2,482,361
SPRING GROUP
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 7, 1944, Serial No. 543,801
10 Claims. (Cl. 267—9)

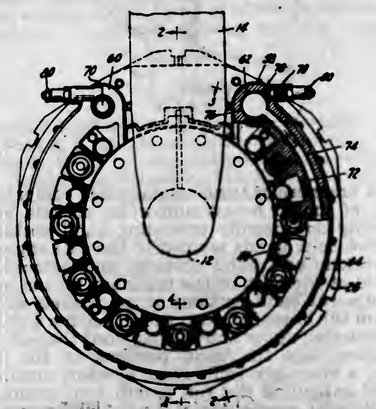
1. In a composite spring group, spaced spring plates, pairs of coil springs compressed between said plates adjacent opposite ends thereof, a friction device interposed between said pairs and including a substantially rectangular friction housing extending lengthwise transversely of said plates and fixed to one of the same and presenting adjacent each end thereof reversely arranged laterally opposed V-shaped friction surfaces and

shoe-carrying means including a yoke rigidly supported on the other of said plates adjacent each end of said housing in telescoping relationship therewith, each of said yokes supporting a pair of friction shoes in engagement with respective



surfaces, and resilient means urging said shoes into engagement therewith, each of said yokes presenting diagonally arranged flat faces engaging the respective shoes of the adjacent supported pair of shoes.

2,482,362
FLUID PRESSURE OPERATED DISK BRAKE FOR AIRCRAFT
William H. Du Bois and Irving F. Chapin, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Continuation of application Serial No. 573,716, January 20, 1945. This application September 14, 1946, Serial No. 697,022
15 Claims. (Cl. 188—152)



1. In an aircraft landing gear including a substantially upright strut, a horizontally extending axle supported at the lower end of said strut, and a wheel mounted on said axle at one side of the strut, a brake mounted on the inboard side of the wheel comprising a plurality of disks, one or more of which rotate with the wheel, and one or more of which are non-rotatable, the non-rotatable disks being lined with friction material, an axially movable pressure transmitting member arranged to act against said disks, a fixed housing member providing a chamber in which said pressure transmitting member reciprocates, the chamber having an opening to receive fluid under pressure to act against the pressure transmitting member, said fixed housing member being located at least partially in the vertical plane of the lower end of the strut, said pressure transmitting member and the chamber in which it reciprocates having the form of an incomplete annulus provided with an enlarged cylindrical portion at each end, the ends of said incomplete annulus being spaced apart to straddle the strut, a sealing member located in the chamber against the face of the pressure transmitting member to prevent the escape of fluid past said member, said sealing member being shaped to conform to the chamber and being retained against circumferential movement by the fit of its enlarged end portions in the enlarged ends of the chamber, said seal having a continuous lip extending along the outer wall of the chamber, around the wall of each enlarged end portion, and along the inner wall of the chamber, the friction material lining being absent from the portion of the otherwise lined disks located between the ends of the pressure transmitting member, thereby permitting a cooling flow of air over the surfaces of the rotating disks at this point.

2,482,363
SIGHT-FEED LUBRICATOR SYSTEM
Truman E. De Villiers, Okmulgee, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
Application February 12, 1946, Serial No. 646,997
9 Claims. (Cl. 184—26)

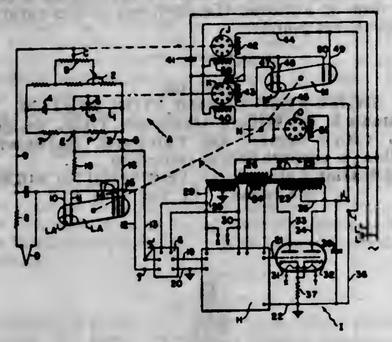


1. In a force feed lubricator system, including a sight feed compartment, and a sight feed liquid substantially filling that compartment, characterized in that said liquid is an aqueous solution containing from 20 to 80 per cent by weight of sugar and having a specific gravity in excess of that of oil employed in such system.

2,482,364
AUTOMATIC RECALIBRATING MOTOR CONTROL APPARATUS
Robert J. Elrod, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 4, 1948, Serial No. 31,250
2 Claims. (Cl. 318—28)

1. In a self-balancing measuring apparatus of the known type having a running condition and

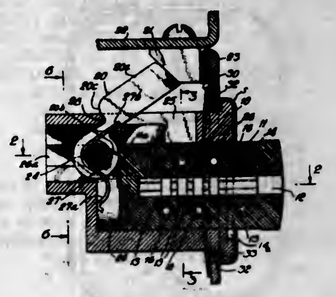
a standardizing condition and comprising a measuring circuit including a slide wire resistance adjustable to rebalance said circuit if unbalanced while in its running condition and including a calibration resistance adjustable to restandardize said circuit if restandardization is needed while the apparatus is in its standardizing condition, means including a convertor and an amplifier having an output circuit including a condenser and operative when said apparatus is unbalanced while in its running condition to produce and amplify a low frequency alternating current signal of a magnitude proportional to the extent of unbalance, and of one phase or the opposite phase depending on the direction of unbalance, and operative when the apparatus is in its standardizing condition to produce and amplify a signal of said low frequency of a magnitude proportional to the extent of standardizing action needed, and of one phase or the opposite phase depending on the direction of the standardizing action needed, a reversible electric rebalancing



motor having a control winding operatively connected in said output circuit in parallel with said condenser when the apparatus is in running condition, and a reversible electric standardizing motor having a control winding operatively connected in said output circuit in parallel with said condenser when said apparatus is in its standardizing condition, the improvement which consists in structural means operative to adjust the apparatus between its running and standardizing conditions during intervening transition periods and including switching means for adjusting the connections of the control windings of the two motors to said output circuit during each transition period so as to make operative the motor previously inoperative, and to make inoperative the motor previously operative, and including conductor means for maintaining a discharging circuit of relatively low impedance across said condenser during the portion of each transition period in which neither motor is operative.

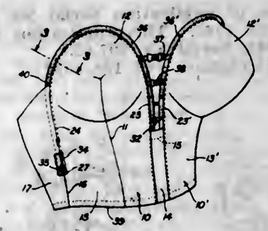
2,483,365
COMPARTMENT LOCK
Henry J. Feldmann, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 2, 1946, Serial No. 681,036
17 Claims. (Cl. 70—83)

1. In a lock of the class described, a lock body having a bore, a key plug slidable in said bore, said body having a pair of opposed slots, a pin slidable in said slots transversely of said bore, a bolt carried by said pin and slidable therewith, said lock body having a third slot transverse of said first slots and communicating with said bore and through which said bolt extends from



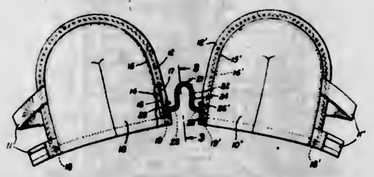
said pin, and a surface on said key plug adapted to impinge against said bolt to push it and its pin rearwardly relatively to said lock body.

2,483,366
BRASSIÈRE
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application April 24, 1946, Serial No. 664,563
5 Claims. (Cl. 2—42)



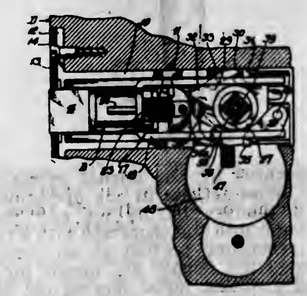
1. A brassière of the class described comprising a pair of similar breast supporting pockets, each including downwardly extending band portions, side and back bands seamed to the side edges of the pockets and band portions and detachably coupled at the back of the brassière, means joining adjacent band portions of the pockets at the front of the brassière, each pocket having a channel bordering upper and side portions thereof and extending into the band portions at the side seams, a one-piece reinforcing element arranged in and extending the full length said channels, said element comprising a central bridging portion extending between adjacent edges of the pockets and spacing and yieldably coupling said pockets, the channel forming portions of said pockets having openings at adjacent edge portions of the pockets and inwardly of adjacent channel ends, said openings facilitating detachable mounting of said element with respect to said channels, each of said pockets being formed from a single piece of material having a dart and seam arranged in the pocket and band portion thereof, and means cushioning peripheral edges of the pockets and bands throughout the full length of the element arranged therein.

2,483,367
DETACHABLE SUPPORTING FRAME FOR GARMENTS
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application May 22, 1946, Serial No. 671,423
1 Claim. (Cl. 2—42)



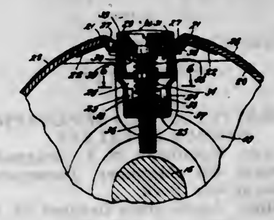
A brassière comprising a pair of breast pockets having inner and outer edges joined by curved marginal edges, means at the curved marginal edges of each pocket forming a channel extending from the inner to the outer edges of the pocket, a supporting frame comprising a pair of curved breast encircling members and a center yieldable bridge member joining and spacing said curved members, means attached to outer edges of the pockets for supporting the brassière about the body of a wearer, inner adjacent marginal edges of said pockets having elongated openings extending longitudinally of said edges, said openings being inwardly of the channel ends, facilitating insertion and removal of the curved members of the frame with respect to said channels, outer ends of said curved members extending to outer side edges of the pockets, adjacent ends of the curved members of said frame, where they join the bridging member, having elongated coupling loops adapted to extend into said channel ends in retaining the frame against displacement from the pockets, and said openings being of a length substantially equal to the length of said coupling loops.

2,483,368
LATCH
Charles Ledin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application March 9, 1946, Serial No. 653,249
15 Claims. (Cl. 292—165)



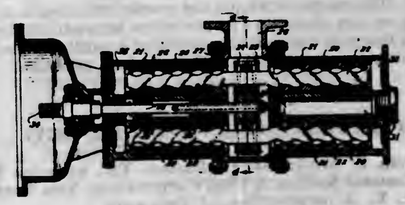
1. In a latch of the class described, a casing, a latch bolt slidable in said casing between a spring projected position and a retracted position, a pair of rollbacks, means mounting said rollbacks for rotation in said casing in a common axis, means whereby said rollbacks retract said latch bolt when rotated relatively to said casing, a spindle for rotating one of said rollbacks, a lever for rotating the second of said rollbacks mounted on said casing, and a thumb piece for actuating said lever.

2,483,369
SANDING MACHINE
Adolphe Loucony, Bridgeport, and Harry Eick, Milford, Conn., assignors to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application June 15, 1946, Serial No. 677,053
8 Claims. (Cl. 51—194)



2. In a sanding machine, a cylindrical drum having a longitudinal recess in its outer surface, extending substantially from end to end; a pair of cooperable clamping strips securing between them the edges of sandpaper wrapped around the drum, the said strips occupying the drum recess and one strip lying outside of the other; and spring means between the strips for separating the same when the sandpaper is being released.

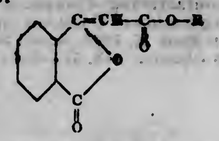
2,483,370
HELICAL MULTIPLE PUMP
René Joseph Louis Moineau, Paris, France; Adele Moineau, administratrix of said René Joseph Louis Moineau, deceased, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application June 18, 1946, Serial No. 677,610
5 Claims. (Cl. 103—4)



1. A mechanism comprising a pair of hypocycloidal gear elements of the type in which the axis of the internal element moves in a circular path, the external element being fixed, an eccentric shaft for said internal element, a drive shaft for said pair of elements, and a driving connection between said drive shaft and said eccentric shaft, said elements being so oriented, and said eccentric shaft having such an eccentricity that the path of oscillation of said eccentric shaft is perpendicular to a line connecting the axis of said eccentric shaft and said drive shaft.

2,482,271
ESTERS OF PHTHALIDENEACETIC ACID AND METHODS FOR THEIR PREPARATION
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 18, 1947, Serial No. 780,769
12 Claims. (Cl. 260—244.6)

1. An ester of phthalideneacetic acid having the structure:



wherein R is an alkyl radical.

2,482,272
HEAVY GRAVITY LIQUID SEPARATION OF POROUS CATALYST
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 29, 1947, Serial No. 782,947
1 Claim. (Cl. 209—172)

A process for the flotation separation of porous cracking catalyst particles of substantially identical chemical composition but varying activity which comprises filling the pores of said particles with a liquid hydrocarbon, admixing said hydrocarbon filled particles with an aqueous liquid having a specific gravity numerically intermediate the maximum and minimum values for particle densities of said hydrocarbon filled particles and separately removing the portion of said particles which floats on and the portion thereof which sinks in said liquid.

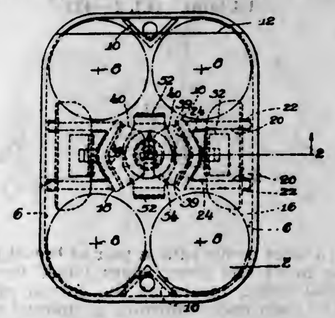
2,482,273
PREPARATION OF HYDROCARBON-SUBSTITUTED HALOGENOSILANES
Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 16, 1946, Serial No. 662,626
8 Claims: (Cl. 260—448.2)

1. The method which comprises effecting reaction at an elevated temperature between silicon and the aryl halide component of a mixture comprising an aryl halide and hydrogen chloride.

2,482,274
PARTIALLY DEPOLYMERIZING VINYL ETHER POLYMERS
Calvin E. Schildknecht, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 2, 1945, Serial No. 580,715
1 Claim. (Cl. 260—45.3)

A process of partially depolymerizing a flexible, form-stable, high molecular weight and viscosity polyvinyl isopropyl ether of intrinsic viscosity 16 containing 0.1% of p-hydroxyphenyl morpholine, which comprises milling the polymer with 2% of benzoyl peroxide at a temperature between 50° C. and 100° C. and interrupting the process when the intrinsic viscosity of the polymer is 4 by milling into the polymer at a temperature between 50° C. and 100° C. 1% of p-hydroxyphenyl morpholine.

2,482,275
SPRING GROUP
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 29, 1944, Serial No. 542,766
20 Claims. (Cl. 267—9)



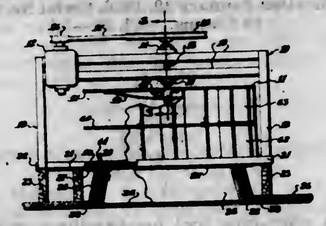
1. In a spring group, top and bottom spring plates, coil springs confined therebetween adjacent opposite ends thereof, and a friction device intermediate said coil springs, said device comprising spaced columns fixed to one of said plates and presenting opposed vertical V-shaped friction faces, a yoke fixed to the other of said plates and present diverging diagonal friction surfaces, friction shoes each engaging one of said surfaces and an opposed face, and resilient means compressed between said yoke-supporting plate and said shoes, said yoke, said shoes and said resilient means moving as a unit with said yoke-supporting plate to afford substantially uniform frictional absorption throughout the stroke of said device and in both directions thereof.

2,482,276
TUBE EXTRUDING DIE AND METHOD
Harold F. Temple, Freeport, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 27, 1939, Serial No. 306,319
13 Claims. (Cl. 207—6)



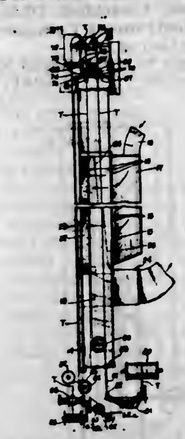
1. In apparatus for the impact extrusion of hollow soft metal articles in one operation and including a plunger having an end portion adapted to enter into and cooperate with a female die and a remaining portion at all times arranged beyond the female die, means for controlling and diverting metal flowing out of the female die in solid form axially along the plunger at high speed under high axial pressure and in a formative state from the normal direction imparted thereto by the plunger and the die, said means comprising a sleeve surrounding said remaining portion of the plunger and adjustably mounted thereon.

2,482,277
AIR CHANGER
Charles E. Young, Cincinnati, Ohio, assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio
Application January 14, 1947, Serial No. 721,924
10 Claims. (Cl. 98—43)



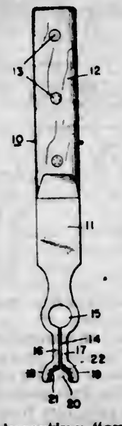
1. An air changer unit comprising, a frame, a rotary impeller disposed within said frame, said impeller having an end closure plate and an open opposite end forming an air intake, a series of vanes in said impeller, said vanes arranged in tandem sets, the vanes of one of the sets being disposed in alignment with the longitudinal axis of the impeller and the vanes of the other set being disposed at an angle to the longitudinal axis of the impeller.

2,482,278
APPARATUS FOR DRYING FILAMENTS
Dwight K. Alpern, New York, and Herman M. Freydberg, Scarsdale, N. Y., and William H. Hawkins, Stamford, Conn., assignors to Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York
Application March 7, 1944, Serial No. 525,336
2 Claims. (Cl. 34—154)



1. In an apparatus of the class described, a substantially closed drying chamber, means for moving a thread through said drying chamber, an air intake compartment separated from said drying chamber by a perforated wall, means for moving air from said intake compartment through said perforated wall into said drying chamber and against said thread in a plurality of streams moving substantially transversely to the movement of said thread through said drying chamber, an exhaust compartment juxtaposed to said drying chamber and having a perforated wall between it and said drying chamber angularly positioned relatively to said first perforated wall and coextensive therewith, and means for withdrawing said air from said drying chamber into said exhaust compartment through said perforated wall in a plurality of small streams, with the air streams moving through said drying chamber into said exhaust compartment without substantial movement parallel to the movement of said thread in said drying chamber.

2,482,279
MEANS FOR HANDLING RETAINING RINGS
Jules Brett, Baldwin, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application August 19, 1946, Serial No. 691,660
2 Claims. (Cl. 29—229)

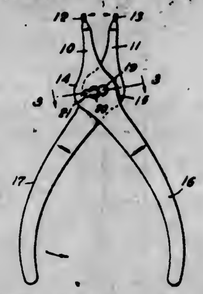


1. A tool for inserting "open" retaining rings in their shaft grooves comprising a pair of thin, coplanar arcuate jaws which together form a part-circular recess of arcuate length corresponding substantially to that of the ring and having a normal diameter which is slightly less than the outer diameter of the ring, and means resiliently interconnecting said jaws, the arcuate inner edges of the jaws being undercut to provide a ring backing flange and a ring-edge seating groove, the resilient interconnection of said jaws providing a resilient clamping of ring in seating groove during handling, while permitting the jaws to spring apart in the operations of pushing the tool edgewise on to a ring, of forcibly inserting the ring in its shaft groove and of withdrawing the tool edgewise from the ring following its insertion in a shaft groove, and the backing flange and ring-edge seating groove cooperating one with the other in maintaining the ring in its plane during handling and when it is being forcibly inserted in its groove.

2,482,280
TOOL FOR HANDLING OPEN-ENDED SPRING RETAINING RINGS
William Duffy, Maspeth, N. Y., assignor to Waldes Koh-i-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application March 26, 1946, Serial No. 657,211
4 Claims. (Cl. 29—229)

1. A plier type tool for handling both external and internal retaining rings requiring deformation in their assembly and disassembly and which are provided at their open ends with apertured ears, comprising a pair of tool parts terminating at their free ends in working points which are offset towards one another to lie in a

common plane and being adapted for insertion into the ear apertures, said tool parts each having a hub portion and an operating handle, a headed pivot pin carried by one of said hubs operating in a pin slot provided in the other hub, said slot being shaped to define part-circular end and middle apertures and narrow-width passages connecting said apertures having straight side edges, the middle aperture being counter-bored and the counter-bore thereof being adapted to receive said head and thereby permit limited axial separation of the tips and their working points, said pin being provided with straight side faces and having thickness between said faces which is less than the width of said passages whereby the pin is shiftable along said slot from



one to the other end apertures in two predetermined angular positions of the tool parts, the construction and arrangement being such that relative reversal to the tool parts and their working points with respect to the center line of the tool can be effected by swinging the handles from an initial working position first to one of said predetermined positions, then shifting the pivot pin from one end aperture to the middle aperture, then effecting axial separation of the tool parts, then swinging the handles to the other predetermined position, then shifting the pin from the middle to the other end aperture, and, finally moving the handles past one another until they assume substantially their initial position.

2,483,381

β-DIHYDRO-IONYLAMINE AND THE ACID ADDITION SALTS THEREOF

Moses Wolf Goldberg, Upper Montclair, and Sidney Teitel, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application March 9, 1948, Serial No. 13,953

4 Claims. (Cl. 260—501)

1. A compound selected from the group consisting of 1-methyl-3-(2,6,6-trimethyl-1-cyclohexene-1-yl)-propylamine and the acid addition salts thereof.

2,483,382

NEW PENICILLIN SALT

Moses Wolf Goldberg, Upper Montclair, and Sidney Teitel, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application March 9, 1948, Serial No. 13,954

3 Claims. (Cl. 260—302)

1. A compound selected from the group consisting of 1-methyl-3-(2,6,6-trimethyl-1-cyclohexen-1-yl)-propylamine salts of penicillin and the hydrates thereof.

2,483,383

TOOL FOR HANDLING OPEN-ENDED SPRING RETAINING RINGS

Heinrich Heimann, New York, and Rudolf Feiti, Brooklyn, N. Y., assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York

Application January 29, 1946, Serial No. 644,068

10 Claims. (Cl. 81—5.1)



1. A plier-type tool for handling open-ended retaining rings of both the internal and external types requiring deformation in their assembly and disassembly, and which are provided at their open ends with apertured ears, comprising a pair of pivotally related tool tips terminating in working points for insertion into the ear apertures, a handle integral with one of said tips, a handle separate from the other tip, said separate handle being effective to operate the other tip when positioned in either one of two working positions to the opposite sides of the integral handle, and coacting coupling means operative between the other tip and the separate handle for selectively coupling said parts in either of the working positions of said separate handle.

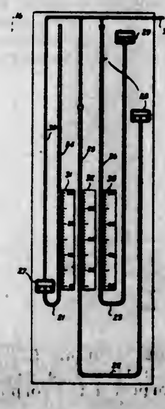
2,483,384

MULTIPLE WELL MANOMETER

Arthur A. Hejduk, Cleveland, Ohio, assignor to The Meriam Instrument Company, Cleveland, Ohio, a corporation of Ohio

Application July 26, 1944, Serial No. 546,668

6 Claims. (Cl. 73—401)



6. A manometer of the long indicating column type comprising a support, three liquid receiving wells mounted at different heights on the support, a manometer tube connected to each well and having a vertical indicating leg, the indicating leg connected to the lowermost well having its major portion above the same and the other indicating legs having their major portions below their wells, means for subjecting liquid in the lowermost well and the liquid in the indicating legs connected to the other wells to the pressure to be measured and for subjecting the liquid in the indicating leg connected to the lowermost well and the liquid in the two upper wells all to the same opposing pressure, and graduated scales associated with the lower portions of said indicating legs, the scales associated with the legs subjected to the pressure to be measured being graduated reversely to the scale associated with the tube connected to the well to which pressure is applied, whereby both high and low pressure readings may be taken adjacent lower portions of said indicating legs.

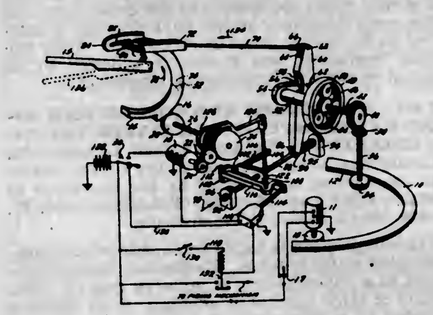
2,483,385

LIMIT STOP MECHANISM FOR POWER-OPERATED GUN MOUNTS

Paul E. Humphrey, San Diego, Calif., assignor to the United States of America as represented by the Secretary of War

Application January 30, 1947, Serial No. 725,194

7 Claims. (Cl. 89—41)



1. In a device for controlling an aircraft gun turret of the class having electric power means for moving the guns in elevation or declination, means for moving the guns in azimuth, and stop means for limiting gun movement in declination as a function of turret rotation in azimuth, the improvement in stop means which comprises a cam carried on said turret, gearing carried on said turret operative by movement of said turret in azimuth to rotate said cam, a lever of the first class fulcrumed on said cam, means on the power end of said lever engageable by the means for moving the gun in declination, a stop for the work end of said lever, and means connected to the work end of said lever operative by movement of the power end to disconnect the electric circuit of the power means when said work end means is moving into contact with said stop.

2,483,386

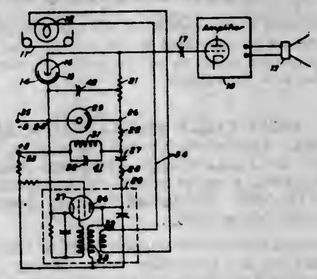
VOLTAGE REGULATOR TUBE STARTER

Richard W. Lee and Raymond L. Garman, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York

Application December 9, 1948, Serial No. 64,356

8 Claims. (Cl. 315—323)

1. In a device of the character described, a source of direct current potential subject to variation, a regulator tube connected to said source for producing a constant potential output regardless of potential variation of said source, a direct current utilization circuit energized by a circuit including said regulator tube, an oscillator, a resonant circuit connected in series with said regulator tube and said source of direct current potential, a circuit coupling said oscillator output to said resonant circuit including means for decoupling said oscillator and said resonant circuit



when said regulator tube is rendered operative, thereby inhibiting the imposition of said oscillator output on said direct current utilization circuit.

2,483,387

STABILIZED SOLUTION OF 1-METHYL-5-ISOPROPYL-5-ALLYL BARBITURIC ACID SODIUM SALT

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application January 31, 1946, Serial No. 644,668. In Switzerland March 22, 1945

1 Claim. (Cl. 260—257)

Aqueous solutions containing a 1-methyl-5-isopropyl-5-allyl-barbituric acid sodium salt and as a stabilizer therefor acetic diethylamide.

2,483,388

CLOTHES PROP OR THE LIKE

Frank O. Skidmore, Cuyahoga Falls, Ohio, assignor of one-half to Herbert Reuss, Cuyahoga Falls, Ohio

Application February 10, 1948, Serial No. 7,369

2 Claims. (Cl. 248—353)



1. A clothes prop or the like including a pair of wooden sticks slidably mounted in side by side relation, a locking member pivotally mounted on one stick and slidably surrounding the other, said member being stamped and having a downwardly and transversely curved jaw portion tilted to present an arcuate metal edge to said other stick for locking the sticks together when a load is applied in a direction to move the member in a locking direction.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

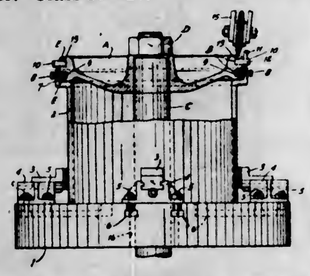
34,140. INJECTABLE THERAPEUTIC SUSPENSIONS. Melvin A. Thorpe, Glendale, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri. Filed June 19, 1948. Published Sept. 27, 1949. Class 167—58. No drawing.

Improved injectable suspensions of therapeutic materials (e. g., penicillin salts, X-ray contrast media, etc.) are obtained by suspending them in liquid dialkyl carbonates which contain at least eleven carbon atoms such as dilauryl carbonate, di-n-amyl carbonate, or di-n-hexyl carbonate. The suspensions are alleged to be more stable and to cause less irritation when injected intramuscularly or subcutaneously than the previously known suspensions in a mixture of peanut oil and beeswax. The stability of the suspension may be further improved by the addition of a small quantity of a calcium, magnesium or aluminum stearate.

Mixtures of dialkyl carbonates may be employed as vehicles provided they fall within the group specified above; that is, they contain at least eleven carbon atoms and are liquid. The proportion of stearate employed may be as high as 15% in some instances. In general, it is preferred that the stearate shall not exceed approximately 5%.

A typical example is a suspension of 0.05 g. procaine penicillin in 10.0 ml. of a vehicle consisting of 99% dilauryl carbonate and 1% aluminum distearate.

510,784. PROCESS OF SIZING PISTON PACKING RING GROOVES. Clifford A. Brotherton, Roanoke, Va., assignor to the Timken Roller Bearing Company, Canton, Ohio., a corporation of Ohio. Filed Nov. 18, 1943. Published Sept. 27, 1949. Class 80—17.



This application relates to a process of preparing for subsequent widening to its original width the worn packing ring groove of a piston of the kind wherein said groove is separated from one end of said piston by a relatively thin wall. The process consists in placing in the worn packing ring groove B of the piston a backing ring 10 of less thickness than the width desired for said groove. The piston A, with the backing ring 10 in the worn groove B thereof, is rotated about its longitudinal axis and a roller 15 having a working face of less thickness than the depth of said groove is pressed against the end of the piston opposite the bottom of the groove while being moved radially outwardly of said piston to the outer periphery thereof to progressively reduce the width of said groove to the thickness of said backing ring. In cases where the relatively thin wall of the groove B tapers from the bottom thereof to the outer periphery of the piston A, the pressure of the roller 15 against said wall is gradually decreased during the radial outward movement of said roller. In cases where the worn packing ring groove B is wider at its bottom than at its mouth, the backing ring 10 is provided with a beveled inner periphery portion 13 disposed opposite the wide bottom portion of the groove so that the groove when conformed to the cross-sectional shape and thickness of the backing ring is narrower at its bottom than at its mouth. After the rolling operation, the groove is widened to its original width by a machining operation.

612,541. STABILIZED AND SOLUBILIZED IODINE COMPOSITION FOR WATER DECONTAMINATION. Goldsmith Hall Conant, Jr., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Filed Aug. 24, 1945. Published Sept. 27, 1949. Class 167—17. No drawing.

The composition is a disinfectant to render contaminated water potable. Elemental iodine is dissolved in a solvent such as aqueous caustic soda, methyl or ethyl alcohol or acetone. This solution is added to a dispersion of a water soluble gum such as gum arabic or water soluble cellulosic gums such as sodium carboxy methyl cellulose, hydroxy ethyl cellulose or methyl cellulose which is evaporated to dryness, leaving the iodine entrapped by the surrounding material. This dried material is then ground. Acidic substances such as disodium dihydrogen pyrophosphate, sodium hydrogen phosphate, citric or tartaric acid may be mixed with the ground product. Wetting agents or detergents increase solubility and activity or sodium chloride may be added. The product may be tabletted with talc, encapsulated or used as powders.

For example, ten grams of iodine are dissolved in 70 ml. of methyl alcohol. In another vessel 10 grams of high viscosity sodium carboxy methyl cellulose are dissolved in 250 ml. water, until the whole is a uniform gel. The iodine solution is added to that of the cellulose derivative slowly, with vigorous agitation. The iodine precipitates in an exceedingly finely divided state into the gel, which is now evaporated under suction, or over drier, or in a low temperature oven. The resulting product is a dark brown mass which can be ground and powdered. The powder is then kept uncovered at 140° F. for a few days for the purpose of driving off all iodine unprotected by the structure of the cellulose derivative.

617,170. COLOR STABILIZATION OF VINYL HALIDE RESINS. Fred W. Cox, Birmingham, Ala., and James M. Wallace, Jr., Akron, Ohio. Filed Sept. 18, 1945. Published Sept. 27, 1949. Class 260—45.7. No drawing.

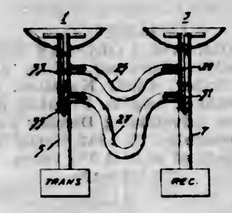
This application relates to the color stabilization of vinyl halide resins by the addition of a salt of an oxygen acid of arsenic including antimony arsenate, lead arsenate, potassium arsenate, potassium arsenite, zinc arsenate, sodium arsenate, sodium arsenite, calcium arsenate, and calcium arsenite. Any vinyl halide polymer may be stabilized including the polymers of vinyl chloride, vinyl bromide, vinyl fluoride, and vinyl iodide, as well as copolymers of from upwards of 70 percent vinyl halide with up to 30 percent mono-olefinic compounds including vinyl acetate, vinylidene chloride, styrene, dialkyl fumarates, dialkyl chloromaleates, dialkyl chlorofumarates, alkyl acrylates, and alpha-substituted alkyl acrylates. The quantity of stabilizer used depends on the severity of heating to which the resin is to be subjected. From 0.05 to 10 percent of the stabilizer by weight based on the polymer will produce useful compositions, and even traces of the stabilizer will yield an improved product where only mild heating is to be encountered. The stabilizing agent may be incorporated with the resin by any of several methods, such as, mixing with the solid resin by means of a mill, which may be heated during the mixing operation, or other mixing machine adapted to blend solid plastic material; or by mixing the resin with a solution of the stabilizing agent in a suitable solvent; or by dispersing the stabilizing agent by means of a stirring device in a solution of the resin in a solvent, such as ethylene chloride; or by adding the stabilizing agent to the aqueous emulsion prior to coagulation, if the resin is prepared by polymerization in an aqueous emulsion.

Example

Each of four 10 gram samples of a copolymer of 90 percent of vinyl chloride and 10 percent of diethyl fumarate were milled with 2 ml. of dibutyl sebacate. Three of these samples were milled respectively with 0.2 gram of antimony arsenate, 0.2 gram of sodium arsenate and 0.2 gram sodium arsenite. The fourth sample was used as a control for purposes of comparison. The copolymer samples were milled separately on a laboratory-size chromium-plated roll mill for 5 minutes at 149° F. and then for 5 minutes at 212° F. The copolymers were rolled into sheets 1 mm. in thickness. Specimens were cut from each of the sheets and tested by heating at 135° C. for periods of time varying between ½ hour and 4 hours. It was found that the copolymer containing the arsenates and arsenites was not discolored by the heat, but that the control sample was badly discolored.

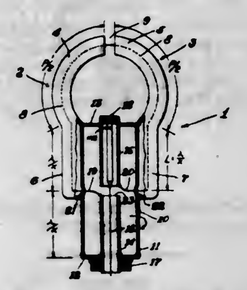
650,959. RADIO SYSTEMS. Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Feb. 28, 1946. Published Sept. 27, 1949. Class 250—9.

In an arrangement in which there is undesired coupling between a transmitting antenna 1 and a receiving antenna 3, each of which is connected respectively by its own transmission line 5 and 7 to a transmitter and a receiver, two lines 25 and 27 each of adjustable but different electrical lengths are adjustably coupled between the lines



5 and 7. The arrangement permits the undesired coupling to be cancelled at each of a plurality of frequencies. In another embodiment an adjustable line is connected between the transmitter line 5 and a cavity resonator terminating the reciver line 7.

733,322. LOOP ANTENNA. Lester L. Libby, East Orange, N. J., assignor to International Standard Electric Corp., New York, N. Y., a corporation of Delaware. Filed Mar. 8, 1947. Published Sept. 27, 1949. Class 250—33.67.

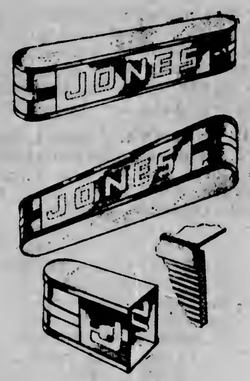


The device provides a balanced, shielded loop antenna mounted for rotation relative to a stationary receiving system to which it is coupled. A balance-to-unbalance transformer enables transfer of energy from the loop to the receiving system over a wide band and without appreciable phase shift, by providing a reactive impedance component to compensate for any reactive impedance existing in the loop. The mechanical arrangement is such that the whole transformer and the loop antenna are rotatable with respect to a stationary coaxial feed line.

DESIGNS

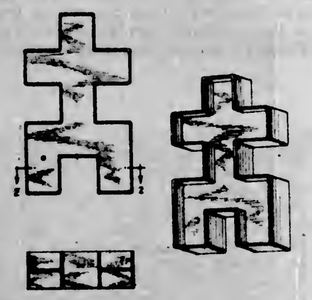
SEPTEMBER 27, 1949

155,328
DESIGN FOR A DISPLAY SIGN
Robert F. Baker, Norwood, Ohio, assignor to Robert F. Baker, Chris Katsetos, Fred Weiland, R. Frankel, and G. Frankel, doing business as Ohio Advertising Display Company
Application December 20, 1946, Serial No. 135,629
Term of patent 3½ years
(Cl. D1—12)



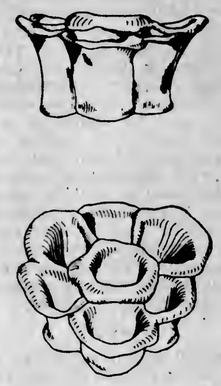
The ornamental design for a display sign, substantially as shown and described.

155,329
DESIGN FOR A TOY BUILDING BLOCK
Stanley Bindman, New York, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application November 17, 1947, Serial No. 142,569
Term of patent 14 years
(Cl. D34—15)



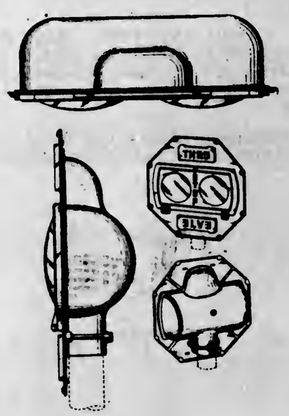
The ornamental design for a toy building block, substantially as shown.

155,330
DESIGN FOR A FLOWER HOLDER
Golden S. Bowerfind, Norfolk, Va.
Application February 19, 1947, Serial No. 137,020
Term of patent 14 years
(Cl. D35—3)



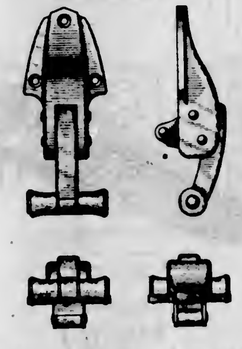
The ornamental design for a flower holder, substantially as shown.

155,331
DESIGN FOR A TRAFFIC SIGNAL
Robert F. Broussard and Charles A. Tocc, Houston, Tex., assignors to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois
Application May 11, 1948, Serial No. 146,287
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a traffic signal, as shown and described.

155,332
DESIGN FOR A CABINET LATCH
William O. Burke, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 24, 1947, Serial No. 136,351
Term of patent 7 years
(Cl. D50—5)



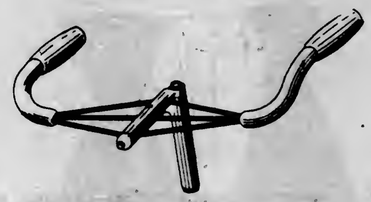
The ornamental design for a cabinet latch, substantially as shown.

155,333
DESIGN FOR A LOUD-SPEAKER
John E. Currie, Brooklyn, and Willy Borberg, Astoria, N. Y., assignors to International Projector Corporation, a corporation of Delaware
Application September 23, 1948, Serial No. 148,726
Term of patent 14 years
(Cl. D26—14)



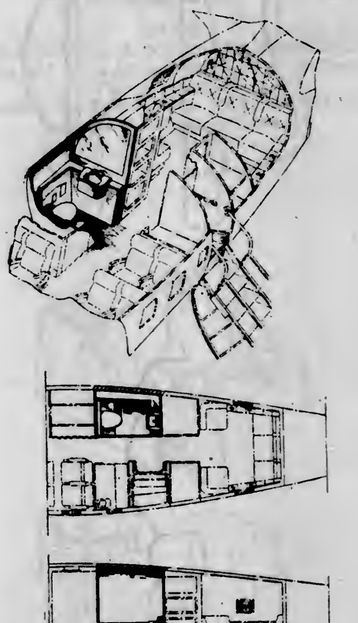
The ornamental design for a loud-speaker, as shown and described.

155,334
DESIGN FOR A BICYCLE HANDLEBAR
Roelof Carel de Boer, Amsterdam, Netherlands
Application October 30, 1948, Serial No. 149,409
Term of patent 14 years
(Cl. D90—11)

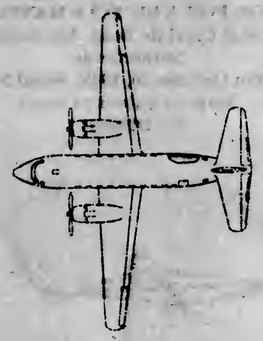


The ornamental design for a bicycle handlebar, as shown.

155,335
DESIGN FOR AN AIRPLANE
Howard C. Delcher, Jr., and Carl Lawrence Brockman, Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application October 28, 1947, Serial No. 142,174
Term of patent 14 years
(Cl. D71—1)

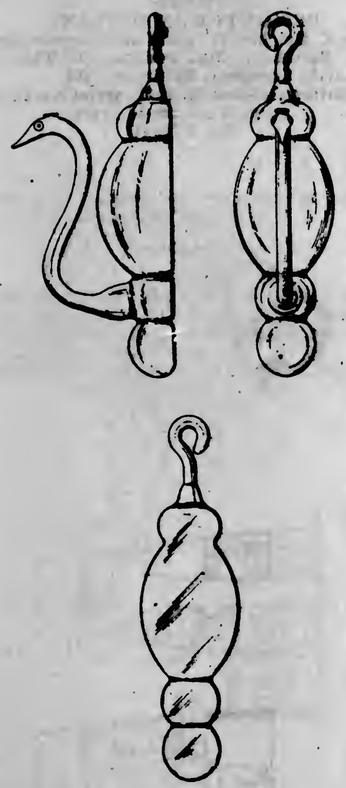


155,235—Continued



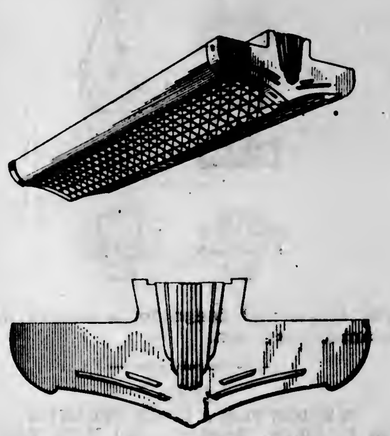
The ornamental design for an airplane, substantially as shown and described.

155,236
DESIGN FOR A WEATHER GLASS
William F. Downes, Bridgeport, Conn.
Application May 6, 1948, Serial No. 146,202
Term of patent 14 years
(Cl. D52—7)



The ornamental design for a weather glass, as shown.

155,237
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
MacIlamh M. Dunbar, Highland Park, Ill., assignor to Lighting Products, Inc., Chicago, Ill., a corporation of Illinois
Application March 18, 1947, Serial No. 137,728
Term of patent 7 years
(Cl. D48—23)



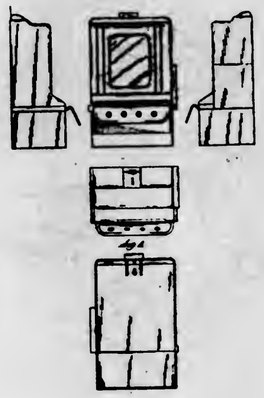
The ornamental design for an electric lighting fixture, as shown.

155,238
DESIGN FOR AN EDGING
Solomon Elias, New York, N. Y.
Application March 11, 1949, Serial No. 1,360
Term of patent 14 years
(Cl. D92—1)



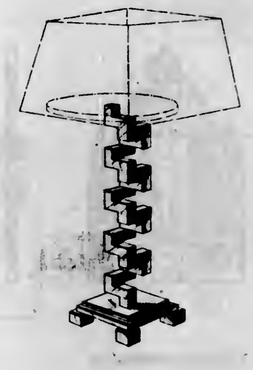
The ornamental design for an edging, as shown.

155,239
DESIGN FOR A TOY BANK
Charles E. Foster, New York, N. Y., assignor to Plastic Articles Co., Inc., New York, N. Y., a corporation of New York
Application August 20, 1947, Serial No. 140,900
Term of patent 3½ years
(Cl. D34—11)



The ornamental design for a toy bank, substantially as shown.

155,240
DESIGN FOR A LAMP STANDARD OR SIMILAR ARTICLE
William R. Frisbie, Oakland, Calif.
Application August 9, 1948, Serial No. 147,995
Term of patent 7 years
(Cl. D48—28)



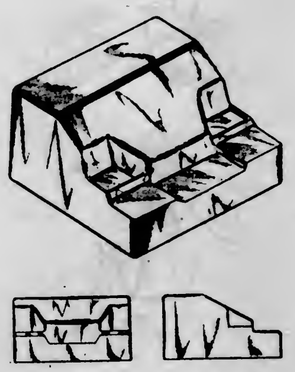
The ornamental design for a lamp standard or similar article, substantially as shown and described.

155,241
DESIGN FOR A DRESS
David E. Gothé, New York, N. Y.
Application August 6, 1946, Serial No. 147,972
Term of patent 3½ years
(Cl. D6—26)



The ornamental design for a dress, substantially as shown.

155,242
DESIGN FOR A SOLDERER HOUSING
Willard J. Humpal and Benhard G. Reimers, Boulder, Colo.
Application July 5, 1947, Serial No. 140,120
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a solderer housing, as shown.

155,343
DESIGN FOR A SECTIONAL DISPLAY COUNTER
Neal S. Irwin, Weaverville, N. C.
Application July 26, 1946, Serial No. 131,983
Term of patent 14 years
(Cl. D60—9)



The ornamental design for a sectional display counter, as shown.

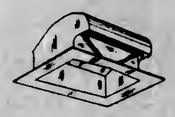
155,344
DESIGN FOR A SOAP BUBBLE DEVICE
Sten Johansen, New York, N. Y.
Application August 2, 1946, Serial No. 132,221
Term of patent 7 years
(Cl. D84—15)



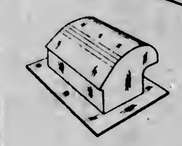


The ornamental design for a soap bubble device, as shown.

155,345
DESIGN FOR A VENTILATOR
Jay P. Johnson, Euclid, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application March 26, 1948, Serial No. 145,280
Term of patent 14 years
(Cl. D62—3)







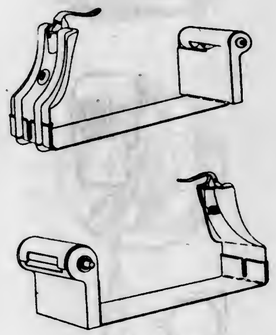
The ornamental design for a ventilator, substantially as shown.

155,346
DESIGN FOR A SHRINE
William Taylor Jones, Scranton, Pa., assignor to Consolidated Molded Products Corporation, Scranton, Pa., a corporation of Delaware
Application May 5, 1948, Serial No. 146,173
Term of patent 14 years
(Cl. D29—23)



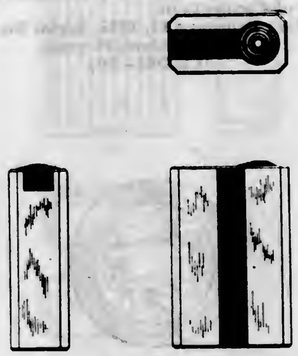
The ornamental design for a shrine, as shown.

155,347
DESIGN FOR AN AUTOMATIC DIAL AND NIGHT LIGHT ATTACHMENT FOR TELEPHONES
Harry Katz, Cincinnati, Ohio
Application December 17, 1948, Serial No. 150,215
Term of patent 14 years
(Cl. D26—14)



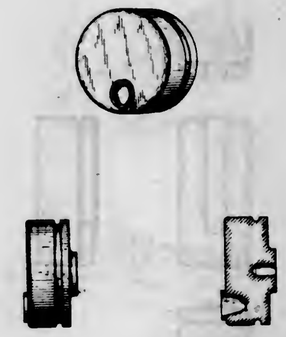
The ornamental design for an automatic dial and night light attachment for telephones, as shown.

155,348
DESIGN FOR A POCKET PERFUME ATOMIZER OR SIMILAR ARTICLE
Leopold K. Kuhnl, Stratford, Conn.
Application February 12, 1948, Serial No. 144,446
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a pocket perfume atomizer or similar article, substantially as shown.

155,349
DESIGN FOR A KNOB
William P. Lear, Brentwood, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application July 21, 1947, Serial No. 140,435
Term of patent 14 years
(Cl. D26—1)



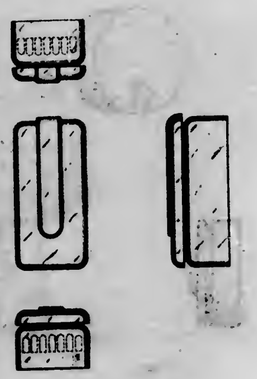
The ornamental design for a knob, substantially as shown.

155,350
DESIGN FOR A KNOB
Harry J. Lebherz, Frederick, Md., assignor to The Eveready Company, Frederick, Md., a corporation of Maryland
Application February 27, 1948, Serial No. 144,774
Term of patent 14 years
(Cl. D44—29)



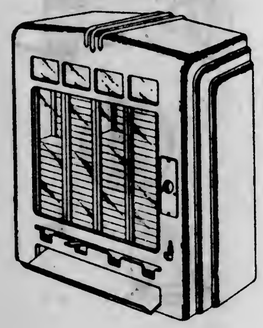
The ornamental design for a knob, as shown and described.

155,351
DESIGN FOR A THERMOSTAT CASING OR THE LIKE
Emery C. Lee, Elgin, Ill., assignor to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application March 20, 1947, Serial No. 138,029
Term of patent 7 years
(Cl. D52—7)



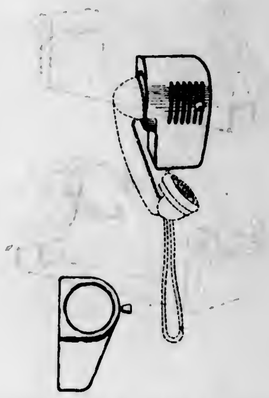
The ornamental design for a thermostat casing or the like, substantially as shown and described.

155,352
DESIGN FOR A VENDING MACHINE
Fred L. Meagher, Syosset, N. Y., assignor, by mesne assignments, to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application July 22, 1946, Serial No. 131,821
Term of patent 14 years
(Cl. D52—3)



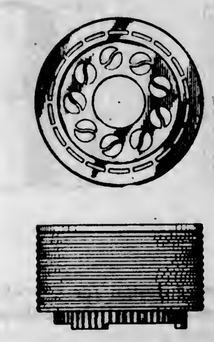
The ornamental design for a vending machine, as shown and described.

155,353
DESIGN FOR A COMBINED TELEPHONE HANDSET AND MOUNTING DEVICE
William J. Muldoon, Garden City, N. Y., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn., a corporation of Delaware
Application August 27, 1947, Serial No. 141,080
Term of patent 14 years
(Cl. D26—14)



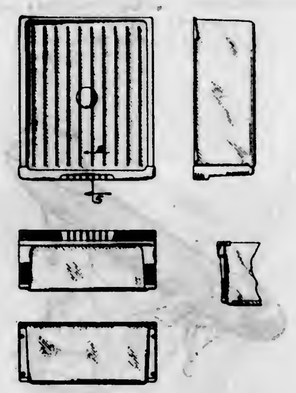
The ornamental design for a combined telephone handset and mounting device, substantially as shown and described.

155,354
DESIGN FOR A COFFEE WARMER OR SIMILAR ARTICLE
Peter Muller-Munk, Pittsburgh, Pa., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application February 17, 1948, Serial No. 144,549
Term of patent 14 years
(Cl. D81—10)



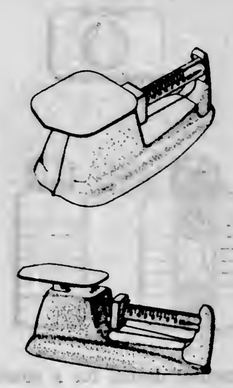
The ornamental design for a coffee warmer or similar article, substantially as shown.

155,355
DESIGN FOR A CRISPER PAN FOR A REFRIGERATOR CABINET
Oscar E. Norberg, Cincinnati, Ohio
Application November 16, 1948, Serial No. 149,646
Term of patent 14 years
(Cl. D44—1)



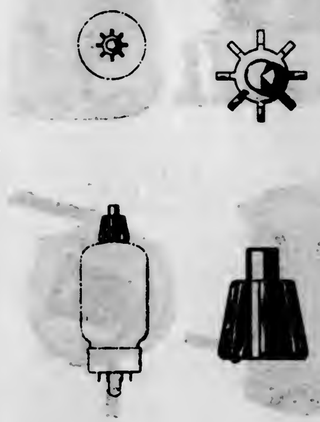
The ornamental design for a crisper pan for a refrigerator cabinet, as shown.

155,356
DESIGN FOR A WEIGHING SCALE
William O'Neil, New York, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware
Application October 16, 1948, Serial No. 149,144
Term of patent 14 years
(Cl. D52—10)



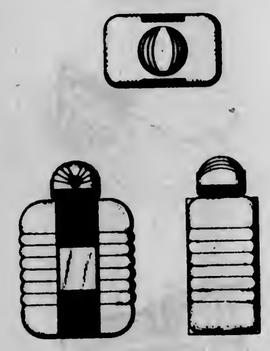
The ornamental design for a weighing scale, as shown and described.

155,357
DESIGN FOR AN ELECTRONIC TUBE RADIATOR CAP
Charles O'Rourke, deceased, late of Brooklyn, N. Y., by Bessie O'Rourke, administratrix, Brooklyn, N. Y., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application March 2, 1948, Serial No. 144,864
Term of patent 14 years
(Cl. D26—1)



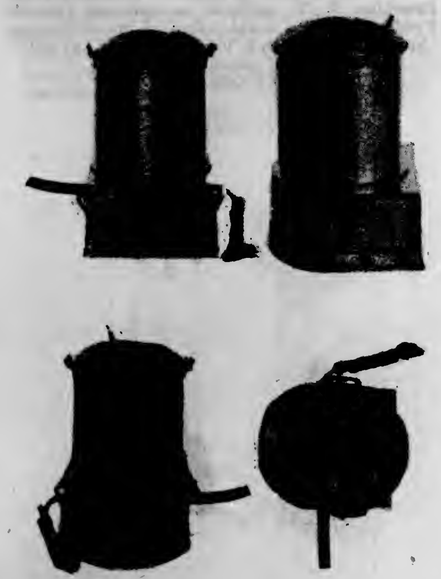
The ornamental design for an electronic tube radiator cap, as shown and described.

155,358
DESIGN FOR A COMBINED BOTTLE AND BOTTLE CAP
George Pavlinets, Carteret, N. J.
Application November 28, 1947, Serial No. 142,863
Term of patent 14 years
(Cl. D58—6)



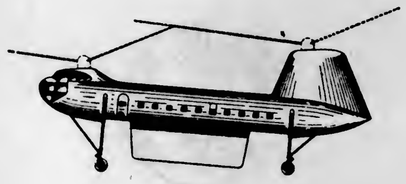
The ornamental design for a combined bottle and bottle cap, as shown.

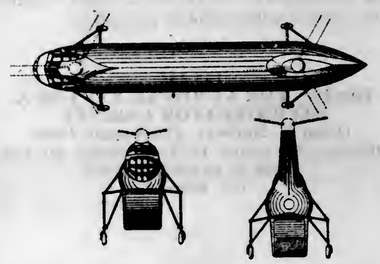
155,359
DESIGN FOR A POWER-OPERATED PEELING APPARATUS
Harry Pearlman, Syracuse, N. Y.
Application March 26, 1948, Serial No. 145,378
Term of patent 14 years
(Cl. D32—1)

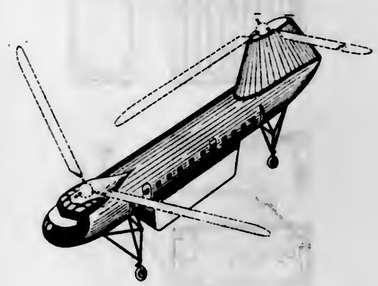


The ornamental design for a power-operated peeling apparatus, as shown.

155,360
DESIGN FOR A HELICOPTER
Frank N. Piasecki, Lansdowne, Pa., assignor to The Piasecki Helicopter Corporation, Morton, Pa.
Application April 30, 1948, Serial No. 146,105
Term of patent 14 years
(Cl. D71—1)

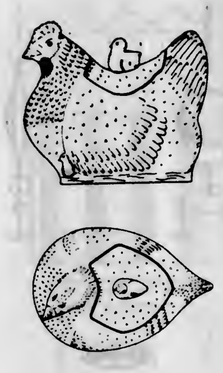






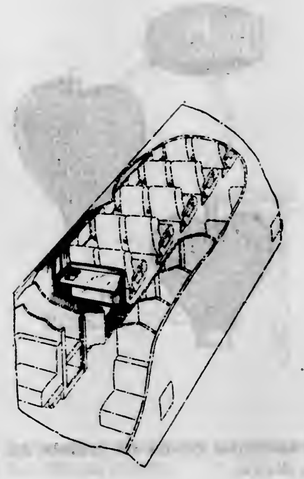
The ornamental design for a helicopter, as shown and described.

155,361
DESIGN FOR A COOKY JAR
Samuel W. Rapp, Morton, Ill.
Application May 26, 1948, Serial No. 146,624
Term of patent 7 years
(Cl. D58—25)



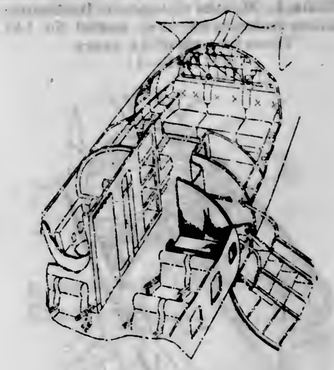
The ornamental design for a cooky jar as shown.

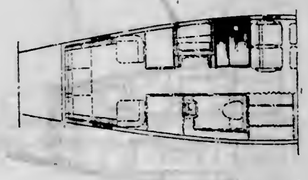
155,362
DESIGN FOR AN AIRPLANE
Calvin Thomas Ray, Baltimore County, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application October 28, 1947, Serial No. 142,177
Term of patent 14 years
(Cl. D71—1)

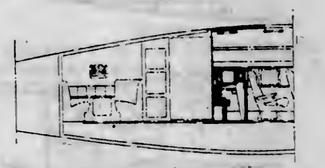


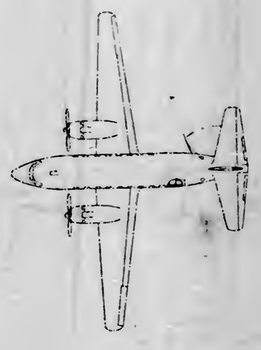
The ornamental design for an airplane, substantially as shown and described.

155,362—Continued

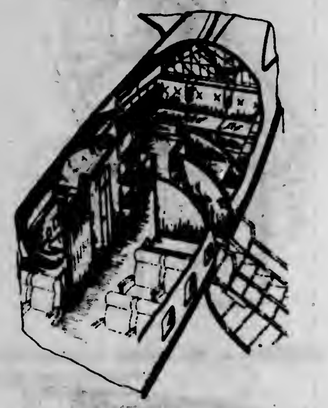




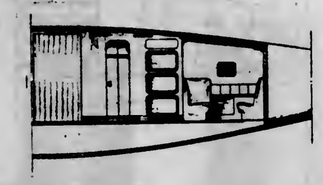


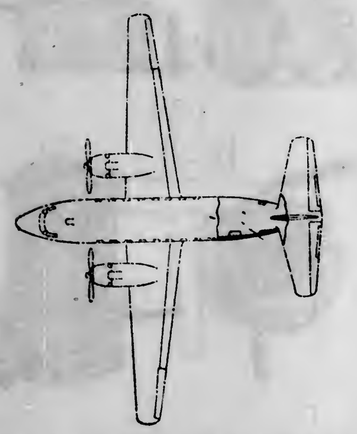


155,363
DESIGN FOR AN AIRPLANE
Calvin Thomas Ray, Baltimore County, and Carl Lawrence Brockman, Baltimore, Md., and Charles W. Butler, Leonia, N. J., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application October 29, 1947, Serial No. 142,199
Term of patent 14 years
(Cl. D71—1)



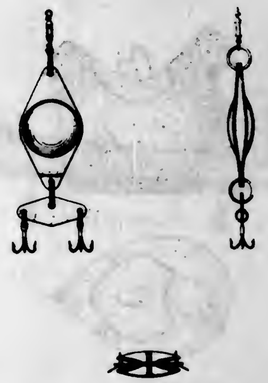






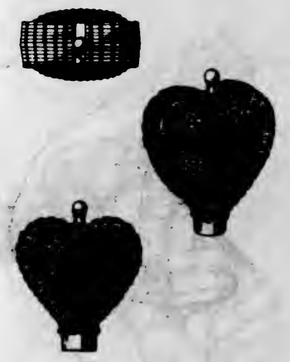
The ornamental design for an airplane, substantially as shown and described.

155,364
DESIGN FOR A DOUBLE-SPOON FISHING BAIT
Lewis Grant Rice, Montague, Mich.
Application November 3, 1948, Serial No. 149,439
Term of patent 7 years
(Cl. D31—4)



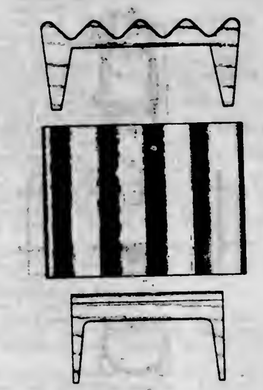
The ornamental design, for a double-spoon fishing bait, as shown.

155,365
DESIGN FOR A GLOBE FOR ELECTRIC LAMPS
Raymond A. Schober, Chicago, Ill.
Application July 23, 1949, Serial No. 4,089
Term of patent 7 years
(Cl. D42—15)



The ornamental design for a globe for electric lamps, as shown.

155,366
DESIGN FOR A DISPLAY TABLE FOR YARD GOODS
W. L. Steingaard, Park Ridge, Ill., assignor to Goodall-Sanford, Inc., a corporation of Maine
Application January 6, 1948, Serial No. 143,565
Term of patent 14 years
(Cl. D86—9)



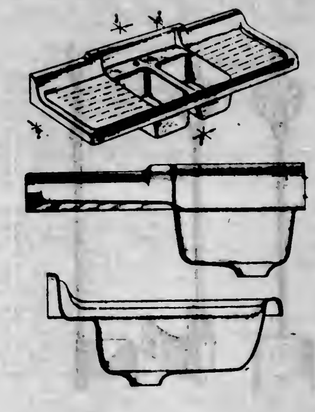
The ornamental design for a display table for yard goods, as shown.

155,367
DESIGN FOR A SUPPORT FOR CLOTHING OR THE LIKE
Marguerite Stringfellow and Nancy R. Lynn, Tampa, Fla.
Application February 4, 1948, Serial No. 144,254
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a support for clothing, or the like, as shown.

155,368
DESIGN FOR A KITCHEN SINK
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 18, 1947, Serial No. 141,888
Term of patent 14 years
(Cl. D4—8)



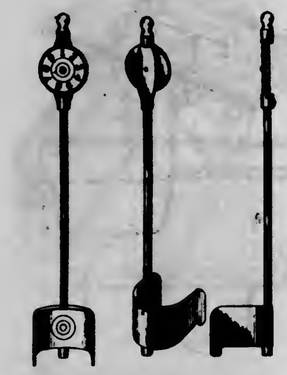
The ornamental design for a kitchen sink, substantially as shown and described.

155,369
DESIGN FOR A FURNITURE LEG
Donald A. Wallance, New York, N. Y.
Application August 1, 1946, Serial No. 132,187
Term of patent 7 years
(Cl. D33—14)



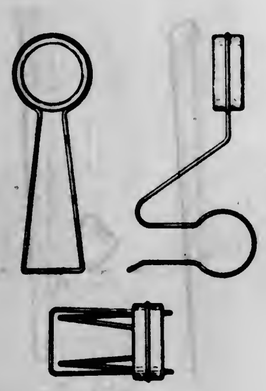
The ornamental design for a furniture leg, as shown.

155,370
DESIGN FOR A PORTABLE GOLF PUTTING CUP OR SIMILAR ARTICLE
Robert E. Watkins, deceased, late of Kansas City, Mo., by Myrtle V. Watkins, executrix, Kansas City, Mo., assignee to Myrtle V. Watkins, Kansas City, Mo.
Application August 11, 1947, Serial No. 140,818
Term of patent 7 years
(Cl. D34—5)



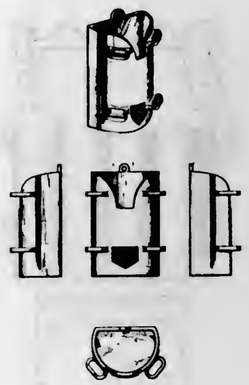
The ornamental design for a portable golf putting cup or similar article, substantially as shown.

155,371
DESIGN FOR A GUIDE FOR ELECTRICAL CONDUCTOR OR THE LIKE
Hasel Watson, Detroit, Mich.
Application October 14, 1947, Serial No. 141,898
Term of patent 14 years
(Cl. D26—1)



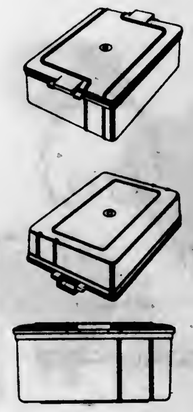
The ornamental design for a guide for electrical conductor or the like, substantially as shown.

155,372
DESIGN FOR A TOOTH PASTE AND TOOTHBRUSH HOLDER
Louis Whitman, London, England
Application December 31, 1947, Serial No. 142,465
In Great Britain August 20, 1947
Term of patent 7 years
(Cl. D4—3)



The ornamental design for a tooth paste and toothbrush holder, as shown.

155,373
DESIGN FOR A REFRIGERATOR BOX OR SIMILAR ARTICLE
Herman Zalkaner, New York, N. Y.
Application June 10, 1948, Serial No. 146,868
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a refrigerator box or similar article, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Preparation intended for use in the treatment of certain epileptic conditions and certain psychic disorders. Serial No. 559,665, Sept. 27. Class 6.

Abrams & Mann, Inc., New York, N. Y. Ladies' bathing suits, play clothes, sun dresses, etc. Serial No. 555,138, Sept. 27. Class 39.

Advance Solvents & Chemical Corporation, New York, N. Y. Detergents and scouring agents. Serial No. 560,433, Sept. 27. Class 4.

Akron Products Company, The, Akron, Ohio. Adjustable supports for raising or supporting sagging floors. Serial No. 512,476, Sept. 27. Class 12.

Allied Chemical & Dye Corporation: *See*—
General Chemical Company.

Altman, B., & Co., New York, N. Y. Ladies' handbags. Serial No. 574,562, Sept. 27. Class 3.

American Airlines, Inc., New York, N. Y. Air transport. Serial No. 573,022, Sept. 27. Class 55.

American Felt Company, Glenville, Conn. Felt and felting. Serial No. 541,991, Sept. 27. Class 50.

American Numbering Machine Co., Brooklyn, N. Y. Hand numbering machine. Serial No. 543,052, Sept. 27. Class 23.

American Playsuit Co. Inc., New York, N. Y. Children's overalls, snow suits and play suits. Serial No. 548,309, Sept. 27. Class 39.

Associated Distributors, Inc.: *See*—
Associated Products, Inc.

Associated Merchandising Corporation, The, New York, N. Y. Infants' crib sheets and pillowcases, crib and receiving blankets, etc. Serial No. 571,107, Sept. 27. Class 42.

Associated Products, Inc., Chicago, Ill., by change of name from Associated Distributors, Inc., assignor to Chen Yu, Inc., New York, N. Y. Nail polish and lipstick. Serial No. 476,544, Sept. 27. Class 6.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Face powder and talcum powder. Serial No. 559,890, Sept. 27. Class 6.

B. & R. Manufacturing Company, assignee: *See*—
Flex-O-Lite Manufacturing Corporation.

Barbara Jean Hosiery Company, South Langhorne, Pa. Hosiery. Serial No. 548,264, Sept. 27. Class 39.

Barker Brands, Inc., Sea Bright, N. J. Chewing gum. Serial No. 560,528, Sept. 27. Class 46.

Beacon Manufacturing Company, Swannanoa, N. C. Bed blankets, wrapper blankets, bed comfortables, etc. Serial No. 555,046, Sept. 27. Class 42.

Beecroft, P. G., Brawley, Calif. Fresh vegetables. Serial No. 561,222, Sept. 27. Class 46.

Belknap Hardware & Manufacturing Company, Louisville, Ind. Asphalt roofing material. Serial No. 548,914, Sept. 27. Class 12.

Belmont Products Corporation, New York, N. Y. Rice. Serial No. 553,065, Sept. 27. Class 46.

Bendix Aviation Corporation, South Bend, Ind. Fluid filters and fluid demulsifiers. Serial No. 541,254, Sept. 27. Class 31.

Bergman, Sidney U., doing business under the trade name of Sidney U. Bergman & Co., Chicago, Ill. Insurance brokerage. Serial No. 553,569, Sept. 27. Class 55.

Bergman, Sidney U., & Co.: *See*—
Bergman, Sidney U.

Bethlehem Supply Company, Tulsa, Okla. Oil field drilling equipment. Serial No. 556,762, Sept. 27. Class 23.

Bird & Son, Inc., East Walpole, Mass. Asphalt shingles. Serial No. 564,984, Sept. 27. Class 12.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic jacks and pumps. Serial No. 545,612, Sept. 27. Class 23.

Blake Manufacturing Company, The: *See*—
Blake, William T.

Blake, Moffit & Towne, San Francisco, Calif. Toilet paper. Serial No. 562,534, Sept. 27. Class 37.

Blake, William T., doing business as The Blake Manufacturing Company, Handley, Fort Worth, Tex. Hydraulic cushioning devices or governors. Serial No. 508,702, Sept. 27. Class 23.

Blue-Bird Shoppe: *See*—
Gruner, Olly.

Bode, Joe C., Jr., doing business under the name Manson Distributors, Aurora, Ill. Hair shampoo. Serial No. 564,603, Sept. 27. Class 6.

Borcherdt Malt Extract Company, Chicago, Ill. Medicinal preparations. Serial No. 543,562, Sept. 27. Class 6.

Boston Beer Company, South Boston, Mass. Beer and ale. Serial No. 478,537, Sept. 27. Class 48.

Boynton, Beryl W., Lafayette, Calif. Dolls. Serial No. 553,667, Sept. 27. Class 22.

Bragg, Paul C., doing business as Live Food Products Co., Burbank, Calif. Vitamin P tablet. Serial No. 568,489, Sept. 27. Class 6.

Brewer-Titchener Corporation, The, Cortland, N. Y. Foldable ironing tables. Serial No. 563,722, Sept. 27. Class 24.

Buckeye Iron & Brass Works, Cincinnati, Ohio. Industrial vegetable oil mill machinery. Serial No. 544,049, Sept. 27. Class 23.

Bulldog Electric Products Company, Detroit, Mich. Splicers, connectors, couplings, and clamps for electrical conductors. Serial No. 549,225, Sept. 27. Class 21.

Burns, Jabez, & Sons, Inc., New York, N. Y. Machines and parts thereof. Serial No. 538,144, Sept. 27. Class 23.

Burroughs Wellcome & Co., (U. S. A.) Inc., New York, N. Y. Vitamin and mineral preparation. Serial No. 537,290, Sept. 27. Class 6.

Bush Brothers & Company, Dandridge, Tenn. Canned vegetables, pork and beans, hominy, etc. Serial No. 561,718, Sept. 27. Class 46.

Caldwell, Dick: *See*—
Caldwell, Richard W.

Caldwell, Richard W., doing business as Dick Caldwell and as Patty Pan Produce Company, Ramondville, Tex. Fresh vegetables. Serial No. 560,967, Sept. 27. Class 46.

California Sportwear Company, Los Angeles, Calif. Men's, women's, and children's jackets, and coats. Serial No. 551,082, Sept. 27. Class 39.

Carey Salt Company, The, Hutchinson, Kans. Water softner salt, meat curing salt, ice cream salt, etc. Serial No. 537,146, Sept. 27. Class 6.

Charm Clinic: *See*—
Kaye, Nikki.

Chemical Process Company, San Francisco, Calif. Synthetic resinous ion exchange materials. Serial No. 531,017, Sept. 27. Class 31.

Chen Yu, Inc.: *See*—
Associated Products, Inc.

Clark, J. R., Company, The, Minneapolis, Minn. Step ladder stools. Serial No. 530,375, Sept. 27. Class 32.

Clover Club Foods Company, Kaysville, Utah. Potato chips. Serial No. 532,276, Sept. 27. Class 46.

Clover Farm Stores Corporation, Cleveland, Ohio. Paper plates, paper cups, and wooden plates. Serial No. 562,762, Sept. 27. Class 2.

Cobb & Pullen: *See*—
Roter Pickle & Canning Company.

Cobb, Robert B., assignee: *See*—
Roter Pickle & Canning Company.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. Serial No. 568,098, Sept. 27. Class 4.

Collins & Aikman Corporation, New York, N. Y., and Philadelphia, Pa. Cut and loop pile and non-pile fabrics in the piece. Serial No. 556,247, Sept. 27. Class 42.

Cone Export and Commission Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 551,089, Sept. 27. Class 42.

Consolidated Foods, Inc., Toledo, Ohio, now by change of name Kuehmann Foods, Inc. Potato chips. Serial No. 537,876, Sept. 27. Class 46.

Cook, Emory G., Long Island, N. Y. Solid synthetic plastic material for use in electronic devices. Serial No. 534,000, Sept. 27. Class 21.

Cornell Aeronautical Laboratory, Inc: *See*—
Cornell Research Foundation, Inc.

Cornell Research Foundation, Inc., assignor to Cornell Aeronautical Laboratory, Inc., Buffalo, N. Y. Precision and scientifically made models for comparison and study for technical use. Serial No. 520,148, Sept. 27. Class 26.

Cornibert, Inc., New York, N. Y. Women's play suits, bathing suits, blouses, shorts, etc. Serial No. 557,117, Sept. 27. Class 39.

Cornibert, Inc., New York, N. Y. Ladies' and misses' scarfs, dickeys, collars, and vestees. Serial No. 557,118, Sept. 27. Class 39.

Crawford Manufacturing Co., Inc., Richmond, Va. Cushions, pillows, chair pads, etc. Serial No. 550,218, Sept. 27. Class 32.

Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 546,656, Sept. 27. Class 34.

Daniels, C. B., Inc., Baltimore, Md. Waterproof canvas. Serial No. 557,435, Sept. 27. Class 42.

Dan River Mills, Incorporated, Danville, Va. Piece goods of cotton and rayon mixture. Serial No. 564,437, Sept. 27. Class 42.

Deerfield Glassine Company, Monroe Bridge, Mass. Glassine paper. Serial No. 531,445, Sept. 27. Class 37.

Diamond Expansion Bolt Co., Inc., Garwood, N. J. Masonry drills. Serial No. 544,427, Sept. 27. Class 23.

Dicker, Julius, Astoria, N. Y. Bowling table games. Serial No. 549,518, Sept. 27. Class 22.

Dickey Manufacturing Company, The, Toledo, Ohio. Venetian blinds. Serial No. 536,773, Sept. 27. Class 32.

Dickinson & Company, Chicago, Ill. Canned vegetables. Serial No. 552,308, Sept. 27. Class 46.

Ditto, Incorporated, Chicago, Ill. Electrically operated duplicating machines, and parts therefor. Serial No. 554,872, Sept. 27. Class 21.

Dunderry Woolen Mills: *See*—
Rockford Mitten & Hosiery Company.
Duplan Corporation, The, New York, N. Y. Textile yarns. Serial No. 574,466, Sept. 27. Class 43.
Duraloom Carpet Mills, Inc., New York, N. Y. Woven carpets. Serial No. 563,511, Sept. 27. Class 42.
Earl & Arlington, San Francisco, Calif. Infants' rattles. Serial No. 554,316, Sept. 27. Class 22.
Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 561,618, Sept. 27. Class 46.
Elderwood Citrus Association, Woodlake, Calif. Fresh citrus fruits. Serial No. 561,662, Sept. 27. Class 46.
Englander Company, Inc., The, Chicago, Ill. Mattresses, box springs, metal bed springs, etc. Serial No. 549,529, Sept. 27. Class 32.
Essex Wire Corporation, Detroit, Mich., and Chicago, Ill. Electric transformers, electric reactors, electric ballasts, and electric filters. Serial No. 548,352, Sept. 27. Class 21.
Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Cutting oils, soluble cutting oils. Serial No. 551,549, Sept. 27. Class 15.
Eve-N-Form Undergarment Co.: *See*—
Schuster, Charles.
Exterminal Chemicals, Inc., Dayton, Ohio. Bidding property of termite infestation. Serial No. 539,682, Sept. 27. Class 55.
Fabergé Inc., New York, N. Y. Perfume, toilet water, and eau de cologne. Serial No. 548,493, Sept. 27. Class 6.
Farer, Benjamin, doing business as The Farer Transportation Company, Waterbury, Conn. Trucking newspapers and magazines. Serial No. 549,722, Sept. 27. Class 55.
Farer Transportation Company, The: *See*—
Farer, Benjamin.
First National Stores Inc., Somerville, Mass. Bakery products. Serial No. 549,432, Sept. 27. Class 46.
Fiedaber Yarns, Inc., Long Island City, N. Y. Art needlework yarns. Serial No. 573,482, Sept. 27. Class 43.
Flex-O-Lite Manufacturing Corporation, St. Louis, Mo., assignee of B. & E. Manufacturing Company. Reflective glass beads. Serial No. 507,103, Sept. 27. Class 50.
Florida Papaya Products Co., Ellenton, Fla. Papaya nectar, papaya syrup, orange preserves, etc. Serial No. 545,837, Sept. 27. Class 46.
Foley Manufacturing Company, Minneapolis, Minn. Masher-ricer-strainer-colanders, forks, etc. Serial No. 556,879, Sept. 27. Class 23.
Fran-Stef Manufacturing Company, New York, N. Y. Portfolios. Serial No. 573,761, Sept. 27. Class 3.
French Textile Company, New York, N. Y. Millinery veiling. Serial No. 562,992, Sept. 27. Class 42.
Frontier Products Company, St. Louis, Mo., by mesne assignment to J. M. Hohn, doing business as Frontier Products Company. Detergent for use as a soap substitute. Serial No. 527,416, Sept. 27. Class 4.
Geiger, Louis, Inc., New York, N. Y. Women's sportswear. Serial No. 555,667, Sept. 27. Class 39.
General Chemical Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Reagent chemicals. Serial No. 539,306, Sept. 27. Class 6.
General Grocer Company, St. Louis, Mo. Food products. Serial No. 538,270, Sept. 27. Class 46.
Giant Ladder Brace Co.: *See*—
Jones, Walter L.
Glaser, Crandell Co., Chicago, Ill. Candied sweet pickles. Serial No. 561,667, Sept. 27. Class 46.
Glastenbury Knitting Co.: *See*—
Wright's Underwear Corporation.
Gluck, Joseph, Fabrics, Inc., New York, N. Y. Rayon piece goods. Serial No. 565,334, Sept. 27. Class 42.
Golden State Company, Ltd., San Francisco, Calif. Spray process powdered whey. Serial No. 538,400, Sept. 27. Class 46.
Golden State Company, Ltd., San Francisco, Calif. Spray process powdered whole milk. Serial Nos. 538,403–04, Sept. 27. Class 46.
Golden State Company, Ltd., San Francisco, Calif. Spray process powdered whole milk. Serial No. 538,406, Sept. 27. Class 46.
Good Earth Soil Co., Inc., The, Fort Worth, Tex. Fumigated and mineralised potting soil. Serial No. 559,603, Sept. 27. Class 1.
Goose, F. A., Company, Seattle, Wash. Canned salmon. Serial No. 560,401, Sept. 27. Class 46.
Goose, F. A., Company, Seattle, Wash. Canned fish. Serial No. 560,787, Sept. 27. Class 46.
Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. Serial No. 517,303, Sept. 27. Class 39.
Grandberg Equipment Inc., Oakland, Calif. Graphite lubricant for use in packing glands. Serial No. 487,618, Sept. 27. Class 15.
Greenberg, Jack, Inc., Philadelphia, Pa. Cheese. Serial No. 523,312, Sept. 27. Class 46.
Greenebaum, J., Tanning Co., Chicago, Ill. Leather in the piece. Serial No. 529,040, Sept. 27. Class 1.
Gruner, Olly, doing business as Blue-Bird Shoppe, New York, N. Y. Ladies' hosiery. Serial No. 560,883, Sept. 27. Class 39.
Gulf Pickle Co.: *See*—
Roter Pickle & Canning Company.
Hallowell Shoe Company, Hallowell, Maine. Shoes. Serial No. 558,298, Sept. 27. Class 39.
Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics. Serial No. 561,116, Sept. 27. Class 42.
Hemingway & Bartlett Mfg. Co., The, Watertown, Conn. Silk sewing, mending, and darning thread. Serial No. 573,322, Sept. 27. Class 43.
Hendey Machine Company, The, Torrington, Conn. Lathes, shapers, milling machines, and centering machines. Serial No. 563,999, Sept. 27. Class 23.
Hoefler's Centennial Chocolates, Inc., Ltd., San Francisco, Calif. Chocolate coated cream center candies of various flavors. Serial No. 510,830, Sept. 27. Class 46.
Hoffman, Rube P., Los Angeles, Calif. Piece goods. Serial No. 496,910, Sept. 27. Class 42.
Hoffmaster Paper Company, Inc., Oshkosh, Wis. Embossed folded paper napkins. Serial No. 582,136, Sept. 27. Class 37.
Hohn, Joseph M.: *See*—
Frontier Products Company.
Holgate Brothers Company, Kane, Pa. Educational toys. Serial No. 552,655, Sept. 27. Class 22.
Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Newspaper printing ink. Serial No. 567,787, Sept. 27. Class 11.
Imperial Chemical Industries, Limited, Slough, England. Synthetic yarns and thread. Serial No. 568,257, Sept. 27. Class 43.
Industrial Oil Corporation, Warren, Pa. Anti-freeze fluid. Serial No. 504,276, Sept. 27. Class 6.
Interstate Concrete Products, Inc., Port Chester, N. Y. Concrete burial vaults. Serial Nos. 560,892–4, Sept. 27. Class 2.
Jackson & Church Company, Saginaw, Mich. Brick presses, pulp presses, and automatic jointer feeders. Serial No. 550,236, Sept. 27. Class 23.
Jewel Tea Co., Inc., Barrington, Ill. Bowl cleaner, steel wool pads, soaps, and shoe white. Serial No. 565,529, Sept. 27. Class 4.
Joanna-Western Mills Company, Chicago, Ill. Window shades. Serial No. 536,794, Sept. 27. Class 32.
Jolibar Hosiery Co., Boston, Mass. Hosiery. Serial No. 547,998, Sept. 27. Class 39.
Jones, Walter L., doing business as Giant Ladder Brace Co., Cincinnati, Ohio. Metal ladder braces. Serial No. 551,012, Sept. 27. Class 13.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. High gloss coated shelf paper. Serial No. 563,193, Sept. 27. Class 37.
Kalfin-Fleischmann, Inc., Boston, Mass. Men's, women's, and children's waterproof and water repellent coats and jackets. Serial No. 552,982, Sept. 27. Class 39.
Karpen, S., & Bros., Chicago, Ill. Furniture. Serial No. 542,230, Sept. 27. Class 32.
Kaye, Nikki, doing business as Charm Clinic, Chicago, Ill. Face oil and face make-up film. Serial No. 560,707, Sept. 27. Class 6.
Kayser, Julius, & Co., New York, N. Y. Hosiery. Serial Nos. 551,566–7, Sept. 27. Class 39.
Keehn Brothers: *See*—
Keehn, L. D.
Keehn, L. D., doing business under the name Keehn Brothers, Chicago, Ill. Shoes. Serial No. 490,887, Sept. 27. Class 39.
Kerr and Hinz Doll Company, Santa Clara, Calif. Dolls and doll clothes. Serial No. 547,349, Sept. 27. Class 22.
Keuffel & Esser Company, Hoboken, N. J. Drawing paper, tracing paper, tracing cloth, etc. Serial No. 525,864, Sept. 27. Class 37.
Kimberly-Clark Corporation, Neenah, Wis. Paper and creped cellulose wadding. Serial No. 526,513, Sept. 27. Class 1.
Kircher, Charles W., doing business as North Hollywood Egg Farms, North Hollywood, Calif. Fresh eggs. Serial No. 557,935, Sept. 27. Class 46.
Koh-I-Noor, Spokane Kovoprumyslove Zavody, Narodni Podnik, also named Koh-I-Noor, United Metalware Factories, National Corporation, Praha, Czechoslovakia. Closures and fasteners, crochet hooks, etc. Serial Nos. 571,146–7, Sept. 27. Class 40.
Koh-I-Noor, United Metalware Factories, National Corporation: *See*—
Koh-I-Noor, Spokane Kovoprumyslove Zavody, Narodni Podnik.
Kuehmann Foods, Inc.: *See*—
Consolidated Foods, Inc.
Kuhlman, Rolla W., Waco, Tex. Budget plan. Serial No. 561,836, Sept. 27. Class 37.
Largman Gray Company, Philadelphia, Pa. Women's hosiery. Serial No. 561,247, Sept. 27. Class 39.
Larmloc Corporation, Chicago, Ill. Locks and lock systems. Serial No. 550,155, Sept. 27. Class 25.
Liberty Bags, Inc., New York, N. Y. Ladies' and children's handbags. Serial No. 573,956, Sept. 27. Class 3.
Live Food Products Co.: *See*—
Bragg, Paul C.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Men's, women's, and children's suits and overcoats, sport shirts, etc. Serial No. 524,095, Sept. 27. Class 39.
Lyon Metal Products, Incorporated, Aurora, Ill. Ironing tables. Serial No. 537,205, Sept. 27. Class 24.
Maloney, Jack, doing business as Panther Distributing Company, Fort Worth, Tex. Salad dressings, pickles. Serial No. 543,950, Sept. 27. Class 46.

Manson Distributors: *See*—
Bode, Joe C., Jr.
Maritime Milling Co. Inc., Buffalo, N. Y. Dairy feed. Serial No. 525,492, Sept. 27. Class 46.
Marshall Field & Company, Chicago, Ill. Woolen knitting yarn. Serial No. 573,958, Sept. 27. Class 43.
Matmor Olive Company, Lindsay, Calif. Canned olives and olive oil. Serial No. 519,206, Sept. 27. Class 46.
McCrory Stores Corporation, New York, N. Y. Doughnuts. Serial No. 568,745, Sept. 27. Class 46.
Mercantile Stores Company, Inc., Wilmington, Del. Shoes. Serial No. 553,400, Sept. 27. Class 39.
Mexico Refractories Company, Mexico, Mo. Castable refractory concrete materials. Serial No. 541,860, Sept. 27. Class 12.
Mexico Refractories Company, Mexico, Mo. Firebrick. Serial No. 541,940, Sept. 27. Class 12.
Meyers, Isadore, & Sons, Philadelphia, Pa. Trousers. Serial No. 498,709, Sept. 27. Class 39.
Middletown Rubber Corporation, Middletown, Conn. Rolls and sheets of material. Serial No. 497,946, Sept. 27. Class 50.
Mid-West Refineries, Inc., Grand Rapids, Mich. Storage batteries. Serial No. 529,910, Sept. 27. Class 21.
Milwaukee File Co., Milwaukee, Wis. Knife sharpeners. Serial No. 536,827, Sept. 27. Class 23.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Regulating apparatus. Serial No. 527,764, Sept. 27. Class 21.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Regulating apparatus. Serial No. 527,811, Sept. 27. Class 21.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. High strength adhesive film. Serial No. 566,994, Sept. 27. Class 5.
Mission Citrus Association, Redlands, Calif. Fresh citrus fruits. Serial Nos. 559,525–6, Sept. 27. Class 46.
Mission Citrus Association, Redlands, Calif. Fresh citrus fruits. Serial No. 559,528–30, Sept. 27. Class 46.
Moorman Manufacturing Company, Quincy, Ill. Mineral feed. Serial No. 551,995, Sept. 27. Class 46.
Murphy, Brill & Sahner, Inc., New York, N. Y. Hosiery. Serial No. 554,392–3, Sept. 27. Class 39.
Nancy Ann Storybook Dolls, Inc., San Francisco, Calif. Dressed dolls. Serial No. 542,630, Sept. 27. Class 22.
Nash Inc., Jersey City, N. J. Billfolds, pocket books, purses and wallets. Serial No. 574,587, Sept. 27. Class 3.
National Drug Company, The, Philadelphia, Pa. Resin-containing antacid composition. Serial No. 566,532, Sept. 27. Class 6.
National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 571,454, Sept. 27. Class 42.
National Peanut Corporation, Wilkes-Barre, Pa. Potato chips. Serial No. 556,906, Sept. 27. Class 46.
Noble Manufacturing Company, Inc., Haydenville, Mass. Brooders, drinking fountains, and feeders, etc. Serial No. 554,586, Sept. 27. Class 50.
Norris Inc., Atlanta, Ga. Candy. Serial No. 544,596, Sept. 27. Class 46.
North Hollywood Egg Farms: *See*—
Kircher, Charles W.
North & Judd Manufacturing Company, New Britain, Conn. Rope hitches. Serial No. 528,941, Sept. 27. Class 13.
O-Cedar Corp'n, Chicago, Ill. Dust mops. Serial No. 541,768, Sept. 27. Class 29.
Orange Cove Citrus Association, Orange Cove, Calif. Fresh citrus fruits. Serial No. 555,007, Sept. 27. Class 46.
Orion Radio-, Electrical and Glass Works Co. Ltd., Budapest, Hungary. Electric lamps, electric lamp sockets, electric cords, etc. Serial No. 524,811, Sept. 27. Class 21.
P & K Incorporated, Chicago, Ill. Fish baits. Serial No. 557,307, Sept. 27. Class 22.
"Pagliaccio Products Co.": *See*—
Pastene & Co., Inc.
Pangburn Company, Inc., Fort Worth, Tex. Candy. Serial No. 561,323, Sept. 27. Class 46.
Panther Distributing Company: *See*—
Maloney, Jack.
Parichy Roofing and Shingle Company, Forest Park, Ill. Wall tiles. Serial No. 554,811, Sept. 27. Class 12.
Pastene & Co., Inc., doing business under the name and style of "Splendor Products Co." and "Pagliaccio Products Co.," New York, N. Y. Canned olive oil, canned vegetables, and canned tomato paste. Serial No. 554,404, Sept. 27. Class 46.
Patty Pan Produce Company: *See*—
Caldwell, Richard W.
Peerless Shirt & Overall Mfg. Co., Wilkes-Barre, Pa. Men's, women's and boys' work clothing. Serial No. 555,839, Sept. 27. Class 39.
Pep Boys, Manny, Moe & Jack, The, Philadelphia, Pa. Automobile lubricating oils and cup grease. Serial Nos. 534,668–9, Sept. 27. Class 15.
Pep Stock Medicine Company, Winder, Ga. General stock tonic. Serial No. 500,819, Sept. 27. Class 6.
Perfection Manufacturing Corporation, Minneapolis, Minn. Electric refrigerators for household use. Serial No. 514,062, Sept. 27. Class 31.
Perry Knitting Company, The, Perry, N. Y. Inner and outer garments. Serial No. 560,284, Sept. 27. Class 39.
Pharma-Craft Corporation, The, New York, N. Y. Fungicide and germicide for the treatment of athlete's foot, ring worm, etc. Serial No. 557,624, Sept. 27. Class 6.
Pioneer Products, Incorporated, Baltimore, Md. Radio receiving sets, combined radio and record players, electric record players. Serial No. 514,842, Sept. 27. Class 21.
Polymeros, Donald P., doing business as The "Poly-Mite" Manufacturing Company, Minneapolis, Minn. Electric panelboard pilot light apparatus. Serial No. 562,498, Sept. 27. Class 21.
"Poly-Mite" Manufacturing Company, The: *See*—
Polymeros, Donald P.
Portland Glove Company, Portland, Oreg. Work clothing. Serial No. 512,285, Sept. 27. Class 39.
Powers, John Robert Products Co., Inc., Wilmington, Del., and New York, N. Y. Skin care preparation. Serial No. 566,652, Sept. 27. Class 6.
Pullen, Alan G., assignee: *See*—
Roter Pickle & Canning Company.
Puritan Company of America, Chicago, Ill. Olives and maraschino cherries. Serial No. 558,321, Sept. 27. Class 46.
Puritan Mills, Atlanta, Ga. Hog feed. Serial No. 545,163, Sept. 27. Class 46.
Raycon Manufacturing Co., Erie, Pa. Electrically illuminable display signs. Serial No. 535,427, Sept. 27. Class 21.
Rayflex Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 571,462, Sept. 27. Class 42.
Realty and Industrial Corporation, Convent, N. J. Circuit breakers, relays, switches, etc. Serial No. 557,626, Sept. 27. Class 21.
Renusit Home Products Co., Philadelphia, Pa. Motor lubricating oil. Serial No. 537,508, Sept. 27. Class 15.
Rich Guild Shirt Company, New York, N. Y. Men's sport shirts and dress shirts. Serial No. 561,142, Sept. 27. Class 39.
Richardson Company, The, Lockland, Cincinnati, Ohio. Asphaltic storage battery cases. Serial No. 550,170, Sept. 27. Class 21.
Rockford Mitten & Hosiery Company, doing business as Dunderry Woolen Mills, Rockford, Ill. Textile fabrics. Serial No. 564,352, Sept. 27. Class 42.
Rogers Imports Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, etc. Serial No. 502,719, Sept. 27. Class 8.
Rojahn & Malaney Company, Milwaukee, Wis. Flower containers, vases, baskets, and flower pot covers. Serial No. 562,583, Sept. 27. Class 2.
Rose, E. W., Company, The, Cleveland, Ohio. Remedy to relieve itching of dogs. Serial No. 565,582, Sept. 27. Class 6.
Roter Pickle & Canning Company, Dallas, Tex., doing business under the name of Gulf Pickle Co., assignor to R. B. Cobb and A. G. Pullen, doing business as Cobb & Pullen. Pickles; sweet relishes; pepper sauce. Serial No. 512,534, Sept. 27. Class 46.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 552,083, Sept. 27. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial Nos. 553,749–50, Sept. 27. Class 39.
Rudofker's, S., Sons, Inc., Philadelphia, Pa. Boys', youths' and men's coats, pants, vests, and suits for formal wear. Serial Nos. 554,164–6, Sept. 27. Class 39.
Russeks Fifth Avenue, Inc., New York, N. Y. Women's, misses', and children's hats; shoes; slippers; putties; etc. Serial No. 555,860, Sept. 27. Class 39.
St. Regis Paper Company, New York, N. Y. Paper shipping sacks for fruit. Serial No. 561,779, Sept. 27. Class 2.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Anthelmintics, antigens, bacterins, etc. Serial No. 555,963, Sept. 27. Class 6.
San Fernando Fruit Growers Association, San Fernando, Calif. Fresh citrus fruits. Serial No. 562,667, Sept. 27. Class 46.
Sawyer Tanning Company, Napa, Calif. Leather. Serial No. 556,823, Sept. 27. Class 1.
Schuster, Charles, doing business as Eve-N-Form Undergarment Co., Philadelphia, Pa. Slips and petticoats. Serial No. 566,809, Sept. 27. Class 39.
Seiler, Karl, & Sons, Inc., Philadelphia, Pa. Liverwurst. Serial No. 552,812, Sept. 27. Class 46.
Service Textile Company, Inc., Newark, N. J. Dish towels. Serial No. 567,476, Sept. 27. Class 42.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Solderless electric terminals. Serial No. 517,012, Sept. 27. Class 21.
Sherman Products: *See*—
Sherman, Sol.
Sherman, Sol, doing business as Sherman Products, New York, N. Y. Bow ties, neckties, sport, dress and negligee shirts, etc. Serial No. 560,359, Sept. 27. Class 39.
Sherwin-Williams Company, The, Cleveland, Ohio. Leaded zinc, zinc oxide, lithopone, etc. Serial No. 524,728, Sept. 27. Class 1.
Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Fresh citrus fruits. Serial No. 546,795, Sept. 27. Class 46.
Signode Steel Strapping Company, Chicago, Ill. Spring constructions. Serial No. 543,998, Sept. 27. Class 32.
Simmon, Margaret S., New York, N. Y. Cosmetic protector. Serial No. 568,077, Sept. 27. Class 39.

Simpson, Wm., Sons, & Co., Philadelphia, Pa. Printed piiiss. Serial No. 568,464, Sept. 27. Class 42.
Smokador Manufacturing Co., Inc., Bloomfield, N. J. Floor-model ash receivers. Serial No. 523,929, Sept. 27. Class 32.
Southern Fruit Distributors, Inc., Orlando, Fla. Canned citrus fruits and canned citrus juices. Serial No. 554,826–7, Sept. 27. Class 46.
Spalding, A. G., & Bros., Inc., Chicopee, Mass. Golf clubs. Serial No. 546,523, Sept. 27. Class 22.
"Splendor Products Co.": *See*—
Pastene & Co., Inc.
Sport Products, Inc., Cincinnati, Ohio. Men's and boys' sport and athletic clothing. Serial No. 530,980, Sept. 27. Class 39.
Sportsman Aid Corp., Riverside, Ill. Reed type sound instruments. Serial No. 530,245, Sept. 27. Class 22.
State Sanitary Supply Co., Chicago, Ill. Tablecloths, napkins, sheets, etc. Serial No. 559,383, Sept. 27. Class 42.
Sta-Vis Oil Company, St. Paul, Minn. Lubricating oils and greases and emulsified oil. Serial No. 553,542, Sept. 27. Class 15.
Sterling Reflector and Manufacturing Co., Chicago, Ill. Electric lamps. Serial No. 540,115, Sept. 27. Class 21.
Strauss and Company Incorporated, Baltimore, Md. Sheets, pillow cases, etc. Serial No. 542,366, Sept. 27. Class 42.
Streamline Garment Corporation, Chicago, Ill. Ladies' dresses. Serial No. 555,969, Sept. 27. Class 39.
Stroock, S., & Co., Inc., New York, N. Y. Woven cloth and blankets. Serial No. 558,952, Sept. 27. Class 42.
Stroock, S., & Co., Inc., New York, N. Y. Woven cloth. Serial No. 558,953, Sept. 27. Class 42.
Stroock, S., & Co., Inc., New York, N. Y. Woven cloth and blankets. Serial No. 558,960, Sept. 27. Class 42.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Lubricating oils and quenching oils. Serial No. 534,683, Sept. 27. Class 15.
Stylecraft Hosiery Corp., New York, N. Y. Hosiery. Serial No. 554,440, Sept. 27. Class 39.
Sumner Company, Inc., Columbia, S. C. Press cloth, in the piece. Serial No. 540,218, Sept. 27. Class 42.
Superior Company, Inc., New York, N. Y. Underwear. Serial No. 554,271, Sept. 27. Class 39.
Suwannee Food & Baking Company, Jacksonville, Fla. White, whole wheat, and raisin bread. Serial No. 531,861, Sept. 27. Class 46.
Telecoin Corporation, New York, N. Y. Automatic coin controlled vending machines. Serial No. 556,845, Sept. 27. Class 23.
Terrill, D. D., Saw Company: *See*—
Terrill, Delmer D.
Terrill, Delmer D., doing business as D. D. Terrill Saw Company, Bangor, Maine. Saw blades and saw frames. Serial No. 559,560, Sept. 27. Class 23.
Thompson Products, Inc., Cleveland, Ohio. Gasoline. Serial No. 541,607, Sept. 27. Class 15.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 555,850, Sept. 27. Class 15.
Timken-Detroit Axle Company, The, Detroit, Mich. Furnaces, boilers, water heaters, etc. Serial No. 531,549, Sept. 27. Class 34.
Tobin Packing Co., Inc., Rochester and Albany, N. Y. Boneless ham. Serial No. 559,258, Sept. 27. Class 46.
Town-Moor, Inc., New York, N. Y. Ladies' coats. Serial No. 556,034, Sept. 27. Class 39.
Townsend, Howard R., New Canaan, Conn. Wallets for insurance policies. Serial No. 546,887, Sept. 27. Class 3.
Tucker's, Mrs., Foods, Inc., Sherman, Tex. Oleomargarine, sweet cream, and condensed milk. Serial No. 557,401, Sept. 27. Class 46.
Ullman Company Inc., The, Brooklyn, N. Y. Place mats. Serial No. 515,143, Sept. 27. Class 37.
United States Television Manufacturing Corporation, New York, N. Y. Television receivers. Serial No. 542,700, Sept. 27. Class 21.
Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 565,666, Sept. 27. Class 39.
Velveray Corporation, New York, N. Y. Sheet plastic film. Serial No. 504,080, Sept. 27. Class 42.
Veterans Tobacco Corporation, Washington, D. C. Cigarettes. Serial No. 522,918–19, Sept. 27. Class 17.
Visible Index Corporation, Long Island City, N. Y. Posting trays, desks, file cabinets, etc. Serial No. 535,106, Sept. 27. Class 32.
Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. Serial No. 559,362, Sept. 27. Class 50.
Wagner, E. R., Manufacturing Company, Milwaukee, Wis. Carpet sweepers of the mechanical type. Serial No. 530,994, Sept. 27. Class 23.
Warshauer & Franck, Inc., Boston, Mass. Women's and misses' dresses. Serial No. 556,155, Sept. 27. Class 39.
Washougal Woolen Mills, Washougal, Wash. Men's trousers and slacks; etc. Serial No. 545,803, Sept. 27. Class 39.
Webb Products Company, San Bernardino, Calif. Waterproof, liquid, general purpose adhesive cements. Serial No. 567,061, Sept. 27. Class 5.
Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer, and under shirts, etc. Serial No. 559,263, Sept. 27. Class 39.
Wells Manufacturing Corporation, Fond du Lac, Wis. Automotive ignition service parts. Serial No. 557,483, Sept. 27. Class 21.
Wesel Manufacturing Company, Scranton, Pa. Beveling, routing, sawing, and trimming machines, etc. Serial No. 523,634, Sept. 27. Class 23.
Weslx Electric Heater Co., San Francisco, Calif. Electric air heaters and electric water heaters. Serial No. 555,641, Sept. 27. Class 21.
Weslx Electric Heater Co., San Francisco, Calif. Electric air heaters and electric water heaters. Serial No. 556,612, Sept. 27. Class 21.
Western Laboratories, Inc., Burbank, Calif. Vehicle or varnish for printers' inks. Serial No. 568,882, Sept. 27. Class 11.
Western Pharmacal Company, Salt Lake City, Utah. Granular effervescent blood salts, etc. Serial No. 558,263, Sept. 27. Class 6.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, envelopes, and paper packets and folders. Serial No. 526,033, Sept. 27. Class 37.
Willy, John, Inc., Chicago, Ill. Racks, cabinets. Serial No. 546,898, Sept. 27. Class 32.
Wilson, Alton, Houston, Tex. Point of sale advertising service. Serial No. 569,116, Sept. 27. Class 55.
Winkler, Kaspar, & Co., Zurich, Switzerland. Preparation to be used for improving the properties or controlling the setting of cement, mortar, concrete, etc. Serial No. 553,558, Sept. 27. Class 12.
Winkler, Kaspar, & Co., Zurich, Switzerland. Plastic materials of asphalt, tar, resin, linseed oil or mixtures thereof. Serial No. 555,787, Sept. 27. Class 12.
Winkler, Kaspar, & Co., Zurich, Switzerland. Preparation for improving the binding and setting properties of cement, plaster, etc. Serial Nos. 555,788–9, Sept. 27. Class 12.
Wright's Underwear Corporation, doing business as Glastenbury Knitting Co., New York, N. Y. Men's, women's, and children's knitted underwear. Serial No. 530,791, Sept. 27. Class 39.
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Metal pipe, casing, tubing, and conduit for conveying fluids. Serial Nos. 536,026–8, Sept. 27. Class 13.
Zaninovich, Antone, & Sons, Delano, Calif. Fresh grapes. Serial Nos. 562,114–15, Sept. 27. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S M. Aarsleff & Co., Copenhagen, Denmark. Cologne, toilet water, hair lotions, etc. 515,721, Sept. 27; Serial No. 555,644, published June 14, 1949. Class 6.
Abel & Bach, Inc., Milwaukee, Wis. Suitcases. 515,654, Sept. 27; Serial No. 548,703, published June 14, 1949. Class 3.
Adels, L., Company, assignor to Winton Watch Company, Inc., New York, N. Y. Watches, watch cases, watch movements and parts thereof. 515,570–1, Sept. 27; Serial Nos. 534,076–7, published June 14, 1949. Class 27.
Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connectors and connector forming blanks. 515,577, Sept. 27; Serial No. 536,211, published June 21, 1949. Class 21.
Air-Shields, Inc., Hatboro, Pa. Infant incubators. 515,610, Sept. 27; Serial No. 542,499, published June 7, 1949. Class 44.
Allied Chemical & Dye Corporation: *See*—
Wilputte Coke Oven Corporation.
Allied Chemical & Dye Corporation, New York, N. Y. Sodium sesquicarbonate. 515,754, Sept. 27; Serial No. 558,978, published June 21, 1949. Class 6.
Allied Van Lines, Inc., Chicago, Ill. Transportation of household goods by motor vehicle. 515,822–3, Sept. 27; Serial Nos. 557,331–2, published June 21, 1949. Class 55.
All-Steel-Equip Company, by All-Steel Equipment Inc., Aurora, Ill. Metal filing cases, storage boxes. 381,022, Sept. 10, 1940. Republished Sept. 27. Class 32.
All-Steel Equipment Inc.: *See*—
All-Steel-Equip Company.
Alsberg, Myer: *See*—
Alsberg, William.
Alsberg, William, to Myer Alsberg, Philadelphia, Pa. Hosiery. 75,676, re-renewed Nov. 2, 1949. O. G. Sept. 27. Class 39.
Alston-Lucas Paint Co., Lyons, Ill. Paint. 515,709, Sept. 27; Serial No. 552,730, published May 31, 1949. Class 16.

American Aniline Products, Inc., New York, N. Y. Dyestuffs. 333,076, Mar. 10, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 334,939–44, May 19, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Wetting out agents. 335,034, May 19, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 335,035, May 19, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 335,539, June 9, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 339,497, Oct. 13, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Wetting out agents. 339,498, Oct. 13, 1936. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Organic dyestuffs. 343,796, Mar. 9, 1937. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 346,724, June 8, 1937. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Waterproofing and water-repelling agents. 369,565, Aug. 1, 1939. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Finishing chemical compounds for textiles. 383,216, Nov. 26, 1940. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Textile dyeing assistants and assistants in the developing of acetate developed blacks. 393,208, Jan. 27, 1942. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Developers and textile dyeing assistants. 417,228, Oct. 16, 1945. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Vat dyes. 422,298, July 16, 1946. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 422,932, Aug. 20, 1946. Republished Sept. 27. Class 6.
American Aniline Products, Inc., New York, N. Y. Metalized and chromiferous dyestuffs. 423,085, Aug. 20, 1946. Republished Sept. 27. Class 6.
American Associates, Inc., Wilmington, Del., and Providence, R. I. Electric-ozonizer air purifying apparatus. 515,678, Sept. 27; Serial No. 549,691, published June 21, 1949. Class 21.
American Automobile Association: *See*—
American Automobile Association Publishing Company.
American Automobile Association, Washington, D. C. Printed maps, pamphlets, books. 155,189, May 23, 1922. Republished Sept. 27. Class 38.
American Automobile Association Publishing Company, New York, N. Y., and Washington, D. C., by American Automobile Association, Washington, D. C. Magazine. 118,132, Aug. 21, 1917. Republished Sept. 27. Class 38.
American Battery Mfg. Company, Kansas City, Mo. Electric storage batteries. 515,556, Sept. 27; Serial No. 532,086, published June 7, 1949. Class 21.
American Blower Corporation, Detroit, Mich. Air conditioning apparatus. 515,809, Sept. 27; Serial No. 484,657, published May 31, 1949. Class 34.
American Cabinet Hardware Corporation, Rockford, Ill. Cabinet hardware. 515,717–18, Sept. 27; Serial Nos. 554,351–2, published June 21, 1949. Class 13.
American Chain & Cable Company, Inc.: *See*—
Hazard Wire Rope Company.
American Conditioning House, Inc., Boston, Mass. Core testing of animal fibers including wool. 515,836, Sept. 27; Serial No. 560,246. Class 55.
American Crayon Company, The, Sandusky, Ohio. Chalk crayon. 261,339, renewed Sept. 17, 1949. O. G. Sept. 27. Class 37.
American Crayon Company, The, Sandusky, Ohio. Adhesive paste. 263,078, renewed Oct. 29, 1949. O. G. Sept. 27. Class 5.
American Electrical Corporation: *See*—
American Electrical Corporation of Massachusetts.
American Electrical Corporation of Massachusetts, Boston, Mass., now by change of name American Electrical Corporation. Rental and installation and maintenance of fire and burglar alarm systems. 515,811, Sept. 27; Serial No. 531,752, published Mar. 1, 1949. Class 55.
American Fork and Hoe Company, The: *See*—
American Fork & Hoe Company.
Withington & Cooley Manufacturing Company.
American Fork & Hoe Company, by The American Fork & Hoe Company, Cleveland, Ohio. Agricultural forks, rakes, and hoes. 67,688, Feb. 11, 1908. Republished Sept. 27. Class 23.
American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Silicon steel sheet materials. 515,529, Sept. 27; Serial No. 517,811, published June 14, 1949. Class 21.
American Thread Company, The, New York, N. Y. Thread. 508,734, Apr. 19, 1949. Corrected. O. G. Sept. 27. Class 43.
Ames Baldwin Wyoming Co.: *See*—
Pittsburgh Shovel Company, The.
Anchor Post Fence Company, now by change of name Anchor Post Products, Inc., Baltimore, Md. Metallic fencing. 443,393, Sept. 27; Serial No. 481,686, published Oct. 5, 1948. Class 13.
Anchor Post Products, Inc.: *See*—
Anchor Post Fence Company.
Anderson, David & John, Limited, Bridgeton, Glasgow, Scotland. Dyed and mercerized shirtings and colored woven mercerized shirtings. 262,977, renewed Oct. 29, 1949. O. G. Sept. 27. Class 42.
Animation, Inc., Los Angeles, Calif. Combined electrical and mechanical advertising display projectors. 443,403, Sept. 27; Serial No. 516,595, published Feb. 24, 1948. Class 21.
Arden, Elizabeth, Inc., to Elizabeth Arden Sales Corporation, New York, N. Y. Cosmetics. 261,968, renewed Sept. 24, 1949. O. G. Sept. 27. Class 6.
Arden, Elizabeth, Sales Corporation: *See*—
Arden, Elizabeth, Inc.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets and purses. 515,797–8, Sept. 27; Serial Nos. 567,380–1, published May 24, 1949. Class 3.
Armco Steel Corporation: *See*—
American Rolling Mill Company.
Armour, George L., New York, N. Y. Gasoline. 339,037, Sept. 22, 1936. Republished Sept. 27. Class 15.
Armour, George L., New York, N. Y. Chemical color indicators. 339,038, Sept. 22, 1936. Republished Sept. 27. Class 6.
Armstrong Cork Company, Lancaster, Pa. Electrical insulators of glass. 515,543, Sept. 27; Serial No. 524,932, published June 14, 1949. Class 21.
Armstrong Cork Company, Lancaster, Pa. Architectural wall panels. 515,623, Sept. 27; Serial No. 544,690, published May 31, 1949. Class 12.
Arnagel Industries: *See*—
Nagel, Charles R.
Aroostook Valley Potato Co., Inc., Medford, Mass. Potatoes. 515,572, Sept. 27; Serial No. 534,731, published May 31, 1949. Class 46.
Associated Products, Inc., Chicago, Ill., assignor to Chen Yu, Inc., New York, N. Y. Lipstick and nail lacquer. 515,581, Sept. 27; Serial No. 537,961, published June 14, 1949. Class 6.
Astor-Ramel Mfg. Co., Inc., New York, N. Y. Dresser sets. 515,777, Sept. 27; Serial No. 564,703, published May 17, 1949. Class 40.
Astor-Ramel Mfg. Co., Inc., New York, N. Y. Dresser sets. 515,779, Sept. 27; Serial No. 565,034, published May 17, 1949. Class 40.
Atlas Underwear Company, The.: *See*—
Piqua Hosiery Co., The.
Auto City Plating Co., Detroit, Mich. Electro-plating with copper, nickel, and chrome and other metals. 515,815, Sept. 27; Serial No. 537,783, published Feb. 8, 1949. Class 55.
Avon Shoe Co. Inc., New York, N. Y. Ladies' and misses' shoes. 407,233, May 23, 1944. Republished Sept. 27. Class 39.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Perfume. 515,757, Sept. 27; Serial No. 559,886, published June 21, 1949. Class 6.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Face powder and talcum powder. 515,758, Sept. 27; Serial No. 559,895, published June 21, 1949. Class 6.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Perfume. 515,759, Sept. 27; Serial No. 559,896, published June 21, 1949. Class 6.
Babson Bros. Co., Chicago, Ill. Lubricating oil. 515,737, Sept. 27; Serial No. 557,004, published May 31, 1949. Class 15.
Baby Care Manual, Inc.: *See*—
Parent's Institute, Inc., The.
Bakery Products, Inc., Chicago, Ill. Fig bars. 515,603, Sept. 27; Serial No. 541,253, published June 7, 1949. Class 46.
Bakon-Yeast, Inc., New York, N. Y. Prepared powdered yeast. 329,835, Nov. 12, 1935. Republished Sept. 27. Class 46.
Ball Company, The, Chicago, Ill. Watches, watch movements, and parts of watches. 515,755, Sept. 27; Serial No. 558,993, published June 14, 1949. Class 27.
Bank of America National Trust and Savings Association, San Francisco, Calif. Checking account banking services. 515,821, Sept. 27; Serial No. 556,069, published June 21, 1949. Class 55.
Barber-Colman Company, Rockford, Ill. Ceiling outlets. 515,554, Sept. 27; Serial No. 530,912, published May 31, 1949. Class 34.
Bardach Bros. Inc., Indianapolis, Ind. Jewelry. 515,633, Sept. 27; Serial No. 545,686, published June 14, 1949. Class 28.
Barker, Marie, Company, St. Louis, Mo. Cosmetics. 515,711, Sept. 27; Serial No. 553,257, published June 21, 1949. Class 6.
Barry, R. G., Co.: *See*—
Barry, R. G., Corporation.

Barry, R. G., Corporation, Columbus, Ohio, assignee of R. G. Barry Co. Shoulder pads. 515,532, Sept. 27; Serial No. 519,250, published May 24, 1949. Class 40.

Baum, W. A., Co., Inc., New York, N. Y. Sphygmomanometers and parts thereof. 515,734, Sept. 27; Serial No. 556,713, published June 7, 1949. Class 44.

Baumbach, W. J., Inc., Arlington, Va. Plumbing and heating services. 515,813, Sept. 27; Serial No. 533,977, published June 7, 1949. Class 35.

Bear Drug Company, Shawnee, Okla. Prescriptions and pharmaceuticals. 394,528, Apr. 14, 1942. Republished Sept. 27. Class 6.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Finished cotton, silk, or mixed silk and cotton goods in the piece. 257,463, renewed June 11, 1949. O. G. Sept. 27. Class 42.

Bienen-Davis, Inc., New York, N. Y. Women's and misses' handbags, pocketbooks and purses. 515,708, Sept. 27; Serial No. 552,565, published May 24, 1949. Class 3.

Binney & Smith Company, New York, N. Y. Preparation of carbon black, resin and solvent. 515,687, Sept. 27; Serial No. 550,113, published May 31, 1949. Class 16.

Bliss, Fabyan & Co., Inc., New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Spun synthetic fiber piece goods. 348,481, July 27, 1937. Republished Sept. 27. Class 42.

Blue Ribbon Paint Company, Wheeling, W. Va. Interior paints and wall surface sealers. 515,597, Sept. 27; Serial No. 540,372, published May 3, 1949. Class 16.

Bourjois, Inc., New York, N. Y. Perfume. 515,787, Sept. 27; Serial No. 566,493, published June 21, 1949. Class 6.

Bourjois, Inc., New York, N. Y. Eau de cologne. 515,798, Sept. 27; Serial No. 566,494, published June 21, 1949. Class 6.

Brach, E. J., & Sons, Chicago, Ill. Candy. 515,679, Sept. 27; Serial No. 549,697, published May 31, 1949. Class 46.

Braun, Walter C., by General Brewing Corporation, San Francisco, Calif., now by change of name to Lucky Lager Brewing Company. Malt beverage. 304,778, July 18, 1933. Republished Sept. 27. Class 48.

Bridgeport Fabrics, Inc., Bridgeport, Conn. Rubberized fabric weather stripping. 515,525, Sept. 27; Serial No. 514,175, published June 14, 1949. Class 12.

Bristol Motor Company, The, Bristol, Conn. Electrical synchronous timing motor and component parts thereof. 515,576, Sept. 27; Serial No. 535,380, published June 7, 1949. Class 21.

Brown & Bigelow, St. Paul, Minn. Portfolios, pocketbooks, wallets and leather-covered receptacles. 515,522, Sept. 27; Serial No. 512,376, published May 10, 1949. Class 3.

Brown, John S., & Sons Limited, Belfast, Northern Ireland. Cotton plain and figured damask cloths, napkins, towels, etc. 119,226, Nov. 6, 1917. Republished Sept. 27. Classes 39 and 42.

Brown, R. S., Manufacturing Company, Inc., Philadelphia, Pa. Revolving ventilators and parts thereof, ventilating hoods, chimney hoods. 515,604, Sept. 27; Serial No. 541,508, published May 31, 1949. Class 34.

Brunswick Laboratories, Inc., Chicago, Ill. Red-coated tablet for hypertension. 515,557, Sept. 27; Serial No. 532,681, published May 31, 1949. Class 6.

Buchner Import Co., Inc., New York, N. Y. Toilet article kits. 515,587, Sept. 27; Serial No. 539,268, published June 7, 1949. Class 3.

Buffalo Meter Company, Buffalo, N. Y. Liquid strainers. 515,667, Sept. 27; Serial No. 549,360, published June 21, 1949. Class 13.

Buffalo Meter Company, Buffalo, N. Y. Air-release valves for installation on liquid-transmission lines. 515,668, Sept. 27; Serial No. 549,361, published June 21, 1949. Class 13.

Bulova Watch Company, Inc., New York, N. Y. Men's and ladies' watches. 515,540, Sept. 27; Serial No. 523,759, published June 14, 1949. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Men's and ladies' watches. 515,541, Sept. 27; Serial No. 523,763, published June 14, 1949. Class 27.

Bur Dent Manufacturing Company, Crystal Lake, Ill. Dental hand pieces and replacement parts therefor. 515,745, Sept. 27; Serial No. 557,825, published June 7, 1949. Class 44.

Burgess Battery Company, Chicago, Ill. Portable electric engraving and cutting implements. 515,551, Sept. 27; Serial No. 527,974, published June 14, 1949. Class 21.

Burrus Mill and Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous composition shingles. 515,730, Sept. 27; Serial No. 556,478, published May 31, 1949. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room wall heaters, ducts, and metal attachments. 515,735, Sept. 27; Serial No. 556,771, published May 31, 1949. Class 34.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room heaters. 515,736, Sept. 27; Serial No. 556,778, published May 31, 1949. Class 34.

Carpenter, E. W., Manufacturing Company, The, Bridgeport, Conn. Electrically operated signal lights. 515,712, Sept. 27; Serial No. 553,457, published June 7, 1949. Class 21.

Carroll, Brough & Robinson, Oklahoma City, Okla., by The Fleming Co., Incorporated, Topeka, Kans. Canned and dried fruits and berries, prunes, raisins, etc. 65,801, Oct. 22, 1907. Republished Sept. 27. Class 46.

Carsolite Corporation, Maywood, Ill. Cleansing and waxing preparation. 515,699, Sept. 27; Serial No. 551,162, published June 7, 1949. Class 16.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Strip material. 515,591, Sept. 27; Serial No. 539,936, published May 3, 1949. Class 50.

Celotex Corporation, The, Chicago, Ill. Composite wall panel. 443,411, Sept. 27; Serial No. 524,592, published May 31, 1949. Class 12.

Century Cement Manufacturing Company, Inc.: *See*—
Snyder, Andrew J.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat, or board. 515,640, Sept. 27; Serial No. 546,955, published May 24, 1949. Class 50.

Chase Candy Company: *See*—
Newton Products Company, The.

Chase & Company, Sanford, Fla. Fresh citrus fruits. 515,697, Sept. 27; Serial No. 551,087, published June 14, 1949. Class 46.

Chemgrain Plate Preparation Co.: *See*—
Morse, John E.

Cheney Industries, Trenton, N. J. Aluminum and metal corrugated roofing. 515,616, Sept. 27; Serial No. 543,783, published June 14, 1949. Class 12.

Chen Yu, Inc.: *See*—
Associated Products, Inc.

Cheslan Brush Company, Inc., Knoxville, Tenn. Brushes. 515,772, Sept. 27; Serial No. 562,448, published June 7, 1949. Class 29.

Chesterfield Hat Corporation, New York, N. Y. Ladies' hats. 348,418, July 27, 1937. Republished Sept. 27. Class 39.

Chesterman-Leeland Co., Philadelphia, Pa. Bust forms. 515,778, Sept. 27; Serial No. 564,986, published May 17, 1949. Class 40.

Chicago Forging and Manufacturing Company: *See*—
Chicago Forging & Manufacturing Co.

Chicago Forging & Manufacturing Co., by Chicago Forging and Manufacturing Company, Chicago, Ill. Metal tube fittings. 409,532, Oct. 10, 1944. Republished Sept. 27. Class 13.

Christians, H. C., Co., Johnson Creek, Wis. Butter. 515,673, Sept. 27; Serial No. 549,511, published May 31, 1949. Class 46.

Church, C. F., Mfg. Co., Willimansett, Chicopee, Mass. Bathroom fixtures. 515,705, Sept. 27; Serial No. 551,943, published June 21, 1949. Class 13.

Church, C. F., Mfg. Co., Willimansett, Chicopee, Mass. Bathroom fixtures. 515,706, Sept. 27; Serial No. 551,947, published June 21, 1949. Class 13.

Church & Dwight Co. Inc., New York, N. Y. Baking soda. 443,404, Sept. 27; Serial No. 518,825, published June 7, 1949. Class 46.

Church & Dwight Co., Inc., New York, N. Y. Baking soda and baking powder. 515,648, Sept. 27; Serial No. 547,896, published June 7, 1949. Class 46.

Cinema Specialties Company: *See*—
Truman, David L.

Cleesco Bedding Co., by Specialty Manufacturing Company, San Francisco, Calif. Mattresses. 373,760, Dec. 19, 1939. Republished Sept. 27. Class 32.

Clover Farm Stores Corporation, Cleveland, Ohio. Bleach, ammonia, and bluing. 515,773, Sept. 27; Serial No. 562,764, published June 7, 1949. Class 6.

Clyde Cutlery Company, The, Clyde, Ohio. Cutlery. 264,469, renewed Nov. 26, 1949. O. G. Sept. 27. Class 28.

Cohen & Wilks, Limited, Cheetham, England. Ladies' and gents' rain-proof coats, top coats; men's and youths' suits, and sport clothing. 250,336, Dec. 4, 1928. Republished Sept. 27. Class 39.

Collette, Edmund J., doing business as Favreau & Collette, Spencer, Mass. Syrup for coughs. 515,766, Sept. 27; Serial No. 561,424, published June 21, 1949. Class 6.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Plastic coated textile fabrics. 442,702, May 17, 1949. Republished Sept. 27. Class 42.

Comptoir Général Belge pour la vente des verres mécaniques Fourcault Société Anonyme, Brussels, Belgium, to Union des Verreries Mecaniques Belges, Societe Anonyme, Charleroi, Belgium. Mechanically drawn window glass. 258,151, renewed June 25, 1949. O. G. Sept. 27. Class 33.

Congoleum-Nairn, Inc., Kearny, N. J. Pigmented composition tiles. 515,630, Sept. 27; Serial No. 545,342, published June 14, 1949. Class 12.

Congoleum-Nairn, Inc., Kearny, N. J. Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial felt. 515,631, Sept. 27; Serial No. 545,344, published May 10, 1949. Class 50.

Consolidated Cosmetics, Chicago, Ill. Brilliantine, cream cologne, face powder, and lipstick. 515,780, Sept. 27; Serial No. 565,044, published June 7, 1949. Class 6.

Contadina Canning Co., The, San Jose, Calif., and Chicago, Ill., by Hershel California Fruit Products Co., San Jose, Calif. Canned tomato sauce. 124,957, Apr. 1, 1919. Republished Sept. 27. Class 46.

Continental Steel Corporation, Kokomo, Ind. Fencing and gates therefor. 515,624, Sept. 27; Serial No. 545,086, published May 31, 1949. Class 13.

Continental Steel Corporation, Kokomo, Ind. Barbed wire. 515,625, Sept. 27; Serial No. 545,087, published May 31, 1949. Class 13.

Continental Steel Corporation, Kokomo, Ind. Fencing and gates therefor. 515,626, Sept. 27; Serial No. 545,088, published June 7, 1949. Class 13.

Continental Steel Corporation, Kokomo, Ind. Nails. 515,627, Sept. 27; Serial No. 545,094, published May 31, 1949. Class 13.

Continental Steel Corporation, Kokomo, Ind. Barbed wire and wire fence. 515,628, Sept. 27; Serial No. 545,097, published May 31, 1949. Class 13.

Cook Electric Company, Chicago, Ill. Bellows of metal. 515,534, Sept. 27; Serial No. 519,734, published June 14, 1949. Class 13.

Cooke & Cobb Company, The, Brooklyn, N. Y. Files for correspondence and papers. 224,596, Mar. 1, 1927. Republished Sept. 27. Class 37.

Copley Appliance Company, South Boston, Mass. Electrically illuminated display and advertising signs. 515,691, Sept. 27; Serial No. 550,674, published June 21, 1949. Class 21.

Corhart Refractories Company, Louisville, Ky. Refractory blocks. 515,723, Sept. 27; Serial No. 555,736, published May 31, 1949. Class 12.

Corn Belt Oil Company, Peoria, Ill. Motor lubricating oil. 515,592, Sept. 27; Serial No. 540,177, published June 21, 1949. Class 15.

Corn Products Refining Company, New York, N. Y. Chemicals derived from corn. 515,795, Sept. 27; Serial No. 567,185, published June 14, 1949. Class 6.

Cosmos Dental Products, Inc., New York, N. Y. Esthetic fibrous additive. 515,641, Sept. 27; Serial No. 546,957, published June 7, 1949. Class 44.

Cosmos Dental Products, Inc., New York, N. Y. Separating material for application to dental molds. 515,742, Sept. 27; Serial No. 557,263, published June 7, 1949. Class 44.

Crag Products, Inc., Newark, N. J. All-purpose adhesive cement. 515,611, Sept. 27; Serial No. 542,539, published June 21, 1949. Class 5.

Crary, C. S., Company, by Streator Canning Company, Streator, Ill. Canned vegetables, canned fruits, condiments. 204,429, Oct. 20, 1925. Republished Sept. 27. Class 46.

Creamette Company, The, Minneapolis, Minn. Tea and coffee. 233,754, Oct. 11, 1927. Republished Sept. 27. Class 46.

Creed & Stewart, Ltd., Aurora, Ill. Bias binding tape. 515,789, Sept. 27; Serial No. 566,693, published May 24, 1949. Class 40.

Curtis Companies Incorporated, Clinton, Iowa. Sashes, doors, blinds, etc. 515,669, Sept. 27; Serial No. 549,362, published June 7, 1949. Class 12.

Curtis Companies Incorporated, Clinton, Iowa. Window frames, windows, and parts thereof. 515,670, Sept. 27; Serial No. 549,366, published May 31, 1949. Class 12.

Cutter Laboratories, Berkeley, Calif. Procaine penicillin G. 515,781, Sept. 27; Serial No. 565,419, published June 21, 1949. Class 6.

Damon Recording Studios, Inc., Kansas City, Mo. Magnetic sound records and electric sound recording apparatus. 515,620, Sept. 27; Serial No. 544,833, published June 14, 1949. Class 21.

Danco, Gerard J., Inc., New York, N. Y. Essential oils. 515,752, Sept. 27; Serial No. 558,556, published June 14, 1949. Class 6.

Dan River Mills, Incorporated: *See*—
Bliss, Fabyan & Co., Inc.

D'Arrigo Bros. Co., by D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. 324,896, June 4, 1935. Republished Sept. 27. Class 46.

D'Arrigo Bros. Co. of California: *See*—
D'Arrigo Bros. Co.

Dell Publishing Company, Inc., New York, N. Y. Periodical. 262,634, renewed Oct. 15, 1949. O. G. Sept. 27. Class 38.

De Sanno, A. P., & Son: *See*—
De Sanno, Albert P., Jr.

De Sanno, A. P., & Son, Inc.: *See*—
De Sanno, Albert P., Jr.

De Sanno, Albert P., Jr., doing business as A. P. de Sanno & Son, Philadelphia, to A. P. de Sanno & Son, Inc., Phoenixville, Pa. Grinding and cut-off wheels and abrasives. 258,118, renewed June 25, 1949. O. G. Sept. 27. Class 4.

Dexter Chemical Corporation, New York, N. Y. Chemical liquid or solid for use as a detergent, wetting agent, or dye assistant. 515,722, Sept. 27; Serial No. 555,656, published June 14, 1949. Class 6.

Diamond Alkali Company, Cleveland, Ohio. Chemical preparations. 443,396, Sept. 27; Serial No. 510,491, published June 21, 1949. Class 6.

Diana Manufacturing Co., Green Bay, Wis. Sanitary napkins. 515,623, Sept. 27; Serial No. 512,651, published June 7, 1949. Class 44.

Diplomat Products, Inc., New York, N. Y., by Diplomat Products, Inc., North Bergen, N. J. Chicken cream of potato soup, old fashioned chicken fricassee, chicken liver pate, etc. 295,004, June 14, 1932. Republished Sept. 27. Class 46.

Diplomat Products, Inc., New York, N. Y., by Diplomat Products, Inc., North Bergen, N. J. Chicken cream of potato soup, old fashioned chicken fricassee, chicken liver pate etc. 295,068, June 14, 1932. Republished Sept. 27. Class 46.

Doray Lamp Co., Inc., Chicago, Ill. Oil burning flares. 515,744, Sept. 27; Serial No. 557,440, published May 31, 1949. Class 34.

Douglas & Green, Inc., New York, N. Y., to R. W. Eldridge Company, Inc., Charlotte, N. C. Handkerchiefs. 257,341, renewed June 4, 1949. O. G. Sept. 27. Class 39.

Drlica, Karl, doing business as Kleen-Wall Products Company, Portland, Oreg. Radiator shields. 515,588, Sept. 27; Serial No. 539,292, published June 7, 1949. Class 34.

Ductile Chrome Process Co., Detroit, Mich. Chromium plating. 515,820, Sept. 27; Serial No. 550,396, published Feb. 22, 1949. Class 55.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Prepared paints and paint enamels. 262,889, renewed Oct. 29, 1949. O. G. Sept. 27. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Auto top polish or dressing. 264,324, renewed Nov. 26, 1949. O. G. Sept. 27. Class 4.

Durex Products, Inc., New York, N. Y. Antiseptics. 262,868, Oct. 29, 1929. Republished Sept. 27. Class 6.

Durham, Lola, Dayton, Ohio. Pharmaceutical product. 515,728, Sept. 27; Serial No. 556,426, published May 31, 1949. Class 6.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic paper. 260,554, renewed Aug. 27, 1949. O. G. Sept. 27. Class 26.

Eldridge, R. W., Company, Inc.: *See*—
Douglas & Green, Inc.

Enco Chemical Corporation, New York, N. Y. Lecithin and lecithin containing compounds. 515,622, Sept. 27; Serial No. 544,437, published June 21, 1949. Class 6.

Erba, Carlo, Società Anonima, Milan, Italy. Preparations for anaemia, asthenia, etc. 515,544, Sept. 27; Serial No. 526,208, published June 14, 1949. Class 6.

Essex Rubber Company, Trenton, N. J. Rubber and composition material. 515,598, Sept. 27; Serial No. 540,397, published May 24, 1949. Class 50.

Eureka Vacuum Cleaner Company, Detroit, Mich., by Eureka Williams Company, Bloomington, Ill. Insecticide distributors. 262,329, Oct. 8, 1929. Republished Sept. 27. Class 23.

Eureka Williams Company: *See*—
Eureka Vacuum Cleaner Company.

Everhot Chemical Corporation, Newark, N. J., to Lena Rose Worth, doing business as Everhot Heating Pad Company, New York, N. Y. Chemical refill unit. 257,504, renewed June 11, 1949. O. G. Sept. 27. Class 6.

Everhot Heating Pad Company: *See*—
Everhot Chemical Corporation.

Excitement, Incorporated, Chicago, Ill. Perfumes. 398,951, Dec. 8, 1942. Canceled. O. G. Sept. 27. Class 6.

Excitement, Incorporated, Chicago, Ill. Perfumes, colognes, face powders, etc. 400,149, Feb. 16, 1943. Canceled. O. G. Sept. 27. Class 6.

Excitement, Incorporated, Chicago, Ill. Perfumes, colognes, perfume sticks, etc. 411,552, Jan. 23, 1945. Canceled. O. G. Sept. 27. Class 6.

Exeter Orange Growers Association, Exeter, Calif. Fresh citrus fruits. 515,663, Sept. 27; Serial No. 549,065, published May 31, 1949. Class 46.

Fabrique d'Horlogerie Rayville S. A. (Rayville Watch Manufacturing Co. Limited), Berne, Switzerland. Watches and parts of watches. 515,727, Sept. 27; Serial No. 556,328, published June 14, 1949. Class 27.

Familian-Silver Co., Los Angeles, Calif., to Viking Appliance Corporation, South Gate, Calif. Gas water heaters. 264,817, renewed Dec. 10, 1949. O. G. Sept. 27. Class 34.

Favreau & Collette: *See*—
Collette, Edmund J.

Federal Electric Company, Inc., Chicago, Ill., now by change of name Federal Enterprises, Inc. Leasing, maintenance and repair of signs and electrical advertising displays. 515,810, Sept. 27; Serial No. 529,887, published June 21, 1949. Class 55.

Federal Enterprises, Inc.: *See*—
Federal Electric Company, Inc.

Ferry Cap & Set Screw Company, The, Cleveland, Ohio. Cap screws. 515,530, Sept. 27; Serial No. 518,719, published June 21, 1949. Class 13.

Finch, Joseph S., and Company, assignor: *See*—
Pennsylvania Distilling Company, Inc.

Fischer Baking Company, Newark, N. J. Cakes, cookies, pies, etc. 264,689, renewed Dec. 3, 1949. O. G. Sept. 27. Class 46.

Fischer, Harvey J., doing business under the firm and style name of Le Maire, Oak Park, Ill. Facial masking cream. 515,531, Sept. 27; Serial No. 519,153, published June 14, 1949. Class 6.

Fisman Limited, Loughborough, England. Chemical substances. 515,642, Sept. 27; Serial No. 546,990, published June 21, 1949. Class 6.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Hot water coils. 515,652, Sept. 27; Serial No. 548,355, published June 7, 1949. Class 34.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Gas, oil, coal or coke burning furnaces. 515,655, Sept. 27; Serial No. 548,811, published June 7, 1949. Class 34.
Flagstaff Foods: *See*—
Greenspan Bro. Co.
Fleming Co., Incorporated, The: *See*—
Carroll, Brough & Robinson.
Florasynth Laboratories, Inc., New York, N. Y. Imitation flavors and synthetic isolate or blend thereof. 256,029, May 7, 1929. Republished Sept. 27. Class 46.
Foster, Wade H., Bad Axe, Mich. Electrically heated, thermostatically-controlled kettle-type stock food cookers. 515,834, Sept. 27; Serial No. 558,483. Class 21.
Fox, Fontaine, Greenwich, Conn. Series of cartoons. 160,371, Jan. 3, 1922. Republished Sept. 27. Class 38.
Fuchs & Lang Manufacturing Co., The, New York, to Sun Chemical Corporation, Long Island City, N. Y. Lithographing and printing inks. 257,715, renewed June 18, 1949. O. G. Sept. 27. Class 11.
General Brewing Corporation: *See*—
Braun, Walter C.
General Foods Corporation: *See*—
Towle Maple Syrup Company, The.
General Grocer Company, St. Louis, Mo. Food products. 515,582, Sept. 27; Serial No. 538,274, published June 7, 1949. Class 46.
General Mills, Inc.: *See*—
Sperry Flour Co.
General Sports, Inc., by Wilson Sporting Goods Co., Chicago, Ill. Golf balls. 354,164, Feb. 1, 1938. Republished Sept. 27. Class 22.
Gerts and Cook, Inc., Los Angeles, Calif. Floor wax. 515,579, Sept. 27; Serial No. 537,448, published June 21, 1949. Class 16.
Gilmore & Nolan, Inc., Los Angeles, Calif. Baking and paint enamels, paste and liquid paints, etc. 515,553, Sept. 27; Serial No. 530,188, published June 7, 1949. Class 16.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt composition shingles, roofing, and siding. 515,720, Sept. 27; Serial No. 535,601, published May 31, 1949. Class 12.
Goldenberg Company, The: *See*—
Goldenberg, Morton H.
Goldenberg's.
Goldenberg, Morton H., doing business as "Goldenberg's," by The Goldenberg Company, Washington, D. C. Pillows and window shades. 255,628, Apr. 30, 1929. Republished Sept. 27. Class 32.
Goldenberg, Morton H., doing business as "Goldenberg's," by The Goldenberg Company, Washington, D. C. Trunks, travelers' hand bags, and suit cases. 257,079, May 28, 1929. Republished Sept. 27. Class 3.
"Goldenberg's": *See*—
Goldenberg, Morton H.
Goldenberg's, by The Goldenberg Company, Washington, D. C. Hosiery. 256,424, May 14, 1929. Republished Sept. 27. Class 39.
Golf and Lawn Supply Corporation, White Plains, N. Y. Periodical publication. 380,672, Aug. 27, 1940. Republished Sept. 27. Class 38.
Goodman, Howard, New York, N. Y. Buttons not made of precious metal. 515,785, Sept. 27; Serial No. 566,133, published June 7, 1949. Class 40.
Goodrich, B. F., Company, The, New York, N. Y. Rubber sundries. 515,629, Sept. 27; Serial No. 545,247, published June 7, 1949. Class 44.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Lubricating oil and penetrating oil. 515,729, Sept. 27; Serial No. 556,437, published June 21, 1949. Class 15.
Granat Bros., Inc., San Francisco, Calif. Finger rings. 515,613, Sept. 27; Serial No. 542,930, published June 14, 1949. Class 28.
Great American Tea Company, The, New York, N. Y. Graham wafer crackers. 515,689, Sept. 27; Serial No. 550,500, published June 7, 1949. Class 46.
Great American Tea Company, The, New York, N. Y. Candy. 515,692, Sept. 27; Serial No. 550,692, published June 7, 1949. Class 46.
Greenspan Bros. Co., to Flagstaff Foods, Perth Amboy, N. J. Canned vegetables, canned fruits, canned sauerkraut, etc. 263,863, renewed Nov. 12, 1949. O. G. Sept. 27. Class 46.
Gresham Berry Growers, Gresham, Oreg. Canned fruits. 328,386, Sept. 24, 1935. Republished Sept. 27. Class 46.
H P Coffee Company, St. Louis, Mo. Coffee. 515,675, Sept. 27; Serial No. 549,634, published May 31, 1949. Class 46.
Haas-Miller Corporation, Philadelphia, Pa. Fatty acid condensate for wetting out and scouring textile fabrics. 515,790, Sept. 27; Serial No. 566,930, published June 21, 1949. Class 6.
Haire Publishing Company: *See*—
House Furnishing Review Company.
Hall Hardware Company, Minneapolis, Minn. Polishing and dusting mops. 351,320, Oct. 26, 1937. Republished Sept. 27. Class 29.
Hamilton Watch Company, Lancaster, Pa. Leather and fabric articles. 443,413, Sept. 27; Serial No. 525,590, published June 14, 1949. Class 28.
Hancock Oil Company of California, The, Long Beach, Calif. Lubricating oils and greases, gasoline, kerosene. 443,409, Sept. 27; Serial No. 522,480, published June 21, 1949. Class 15.
Happy Day Company Inc., Lafayette, La. Cough syrup. 414,770, June 26, 1945. Republished Sept. 27. Class 6.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. 515,724, Sept. 27; Serial No. 555,930, published June 14, 1949. Class 12.
Hartman-Leddon Company, Incorporated, Philadelphia, Pa. Dried synthetic resin and compounds and prepared toluene and/or xylene solutions, etc. 515,786, Sept. 27; Serial No. 566,228, published June 14, 1949. Class 6.
Hazard Wire Rope Company, Wilkes-Barre, Pa., to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope. 257,243, renewed June 4, 1949. O. G. Sept. 27. Class 7.
Hershel California Fruit Products Co.: *See*—
Contadina Canning Co., The.
Hershel California Fruit Products Co., San Jose, Calif. Tomato paste. 340,001, Oct. 27, 1936. Republished Sept. 27. Class 46.
Hesco Corporation, Cleveland, Ohio. Water heaters, boilers, furnaces, etc. 515,750, Sept. 27; Serial No. 558,301, published June 14, 1949. Class 34.
Hess & Clark, Dr., Inc., Ashland, Ohio. Medical preparation. 515,770, Sept. 27; Serial No. 562,262, published June 14, 1949. Class 6.
Hess & Clark, Dr., Inc., Ashland, Ohio. Escharotic preparation. 515,771, Sept. 27; Serial No. 562,263, published June 14, 1949. Class 6.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles. 515,573, Sept. 27; Serial No. 534,779, published May 10, 1949. Class 40.
Hoffmann-La Roche Inc., Nutley, N. J. Chemo-therapeutic agent. 515,757, Sept. 27; Serial No. 561,827, published May 31, 1949. Class 6.
Hollingshead Corporation, R. M.: *See*—
Hollingshead, R. M., Co., The.
Hollingshead, R. M., Co., The, by R. M. Hollingshead Corporation, Camden, N. J. Cleaning and polishing materials. 222,617, Jan. 4, 1927. Republished Sept. 27. Class 4.
Hollingshead, R. M., Corporation, Camden, N. J. Metallic alloy in paste form. 515,808, Sept. 27; Serial No. 577,575, published July 5, 1949. Class 14.
Holloway, Albert F., doing business as Olin Manufacturing Company, Oakland, Calif. Toasted corn kernels. 515,676, Sept. 27; Serial No. 549,637, published June 7, 1949. Class 46.
Holyoke Heater Corporation, Springfield, Mass. Hot water heaters. 515,590, Sept. 27; Serial No. 539,700, published May 10, 1949. Class 34.
Hornés, Maria, New York, N. Y. Forehead bands for headache relief. 515,737, Sept. 27; Serial No. 556,581, published June 7, 1949. Class 44.
Horton & Converse, Los Angeles, Calif. Male sex hormone. 515,521, Sept. 27; Serial No. 512,259, published Mar. 29, 1949. Class 6.
Houghton, E. F., & Co., Philadelphia, Pa. Quenching and tempering oils. 515,719, Sept. 27; Serial No. 555,412, published June 21, 1949. Class 15.
House Furnishing Review Company, by Haire Publishing Company, New York, N. Y. Magazine. 259,931, Aug. 13, 1929. Republished Sept. 27. Class 38.
Hudson, J. L., Company, The, Detroit, Mich. Wardrobe trunks, wardrobe cases, suitcases, etc. 515,584, Sept. 27; Serial No. 538,758, published May 17, 1949. Class 3.
Hurtley, Fred, Limited, Keighley, England. Athletic supporters. 443,407, Sept. 27; Serial No. 520,508, published June 7, 1949. Class 44.
Ideal Industries, Inc., Sycamore, Ill. Electrical brazing, welding, and soldering equipment. 515,533, Sept. 27; Serial No. 519,662, published June 21, 1949. Class 21.
Industrial Tape Corporation, New Brunswick and North Brunswick Township, N. J. Heat-reactive adhesive sheets, tapes and appliques. 515,664, Sept. 27; Serial No. 549,149, published June 14, 1949. Class 5.
Industrial Television, Inc., Clifton, N. J. Television receivers. 515,643, Sept. 27; Serial No. 547,125, published June 21, 1949. Class 21.
International Braid Company (1947), Providence, R. I., assignor to International Braid Corp., Fall River, Mass. Venetian blind tape and cord, and awning braid and awning tape. 515,693, Sept. 27; Serial No. 550,700, published May 10, 1949. Class 40.
International Braid Corp.: *See*—
International Braid Company (1947).
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, enamels, varnishes, etc. 515,738, Sept. 27; Serial No. 557,041, published June 21, 1949. Class 16.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, enamels, varnishes, etc. 515,739, Sept. 27; Serial No. 557,043, published June 21, 1949. Class 16.
International Silver Company: *See*—
International Silver Company, The.
International Silver Company, The, Meriden, Conn., by change of name from International Silver Company. Silverplated holloware. 515,514, Sept. 27; Serial No. 485,445, published June 14, 1949. Class 28.

Jenkins, George O., Company, Bridgewater, Mass. Leatherboard and fibreboard. 515,638, Sept. 27; Serial No. 546,396, published May 17, 1949. Class 50.
Johnson & Johnson, New Brunswick, N. J., and New York, N. Y., to Johnson & Johnson, New Brunswick, N. J. Medicinal strengthening-plasters. 33,150, re-renewed June 27, 1949. O. G. Sept. 27. Class 6.
Johnston Fruit Company, Santa Barbara, Calif. Lemons. 87,635, July 30, 1912. Republished Sept. 27. Class 46.
Johnston Fruit Company, Santa Barbara, Calif. Fresh citrus fruits. 515,653, Sept. 27; Serial No. 548,506, published May 31, 1949. Class 46.
Kaufman, Sol, doing business as The Mayfair Knitting Mills, to Kiddie Klothes Ko., Baltimore, Md. Infants' and children's sacques, sweaters, caps, etc. 254,306, renewed Mar. 19, 1949. O. G. Sept. 27. Class 39.
Kemart Corporation, San Francisco, Calif. Neutralizer fluid compound and highlight white compound. 515,713, Sept. 27; Serial No. 554,125, published June 21, 1949. Class 6.
Kemart Corporation, San Francisco, Calif. Neutralizer fluid compounds and highlight white compound. 515,714, Sept. 27; Serial No. 554,130, published June 21, 1949. Class 6.
Kennel Food Supply Company, Incorporated, The, Fairfield, Conn. Dog food. 515,681–2, Sept. 27; Serial Nos. 549,734–5, published May 31, 1949. Class 46.
Kenney Manufacturing Company, Cranston, R. I. Metal curtain rods, drapery hardware and window shade hardware. 515,684, Sept. 27; Serial No. 549,810, published June 21, 1949. Class 13.
Kenney Manufacturing Company, Cranston, R. I. Metal curtain rods, drapery hardware, and window shade hardware. 515,703, Sept. 27; Serial No. 551,713, published June 7, 1949. Class 13.
Keystone Varnish Company, Brooklyn, N. Y. Enamel paint. 90,346, Feb. 18, 1913. Republished Sept. 27. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Varnish. 91,774, May 27, 1913. Republished Sept. 27. Class 16.
Keystone Varnish Company, Brooklyn, N. Y. Varnish. 109,539, Apr. 11, 1916. Republished Sept. 27. Class 16.
Kidde, Walter, & Company, Inc., Belleville, N. J. 515,545, Sept. 27. Cylinders employed as containers, Serial No. 526,652, published Mar. 8, 1949, Class 2; Carbon dioxide, oxygen, etc., Serial No. 526,658, published Feb. 1, 1949, Class 6; Flame actuated electric apparatus, etc., Serial No. 526,693, published Mar. 15, 1949, Class 21; Portable hand fire extinguishers, etc., Serial No. 523,814, published June 28, 1949, Class 23; Submersion actuators, Serial No. 526,692, published June 7, 1949, Class 26. (Consolidated certificate, Classes 2, 6, 21, 23, and 26.)
Kidde, Walter, & Company, Inc., Belleville, N. J. 515,546, Sept. 27. Cylinders employed as containers, Serial No. 526,657, published Mar. 8, 1949, Class 2; Carbon dioxide, oxygen, and chemical preparations, Serial No. 526,650, published May 3, 1949, Class 6; Flame actuated electric apparatus, etc., Serial No. 526,695, published May 3, 1949, Class 21; Portable hand fire extinguishers, etc., Serial No. 523,815, published Apr. 12, 1949, Class 23; Submersion actuators, Serial No. 526,694, published June 7, 1949, Class 26. (Consolidated certificate, Classes 2, 6, 21, 23, and 26.)
Kiddie Klothes Ko.: *See*—
Kaufman, Sol.
Kimbriel and Company, Pharr, Tex. Fresh citrus fruits. 515,680, Sept. 27; Serial No. 549,732, published May 31, 1949. Class 46.
Kimbriel and Company, Pharr, Tex. Fresh oranges. 515,683, Sept. 27; Serial No. 549,736, published June 7, 1949. Class 46.
Klauss-White, San Antonio, Tex. Insecticides. 515,782, Sept. 27; Serial No. 565,553, published June 21, 1949. Class 6.
Kleen-Wall Products Company: *See*—
Drlica, Karl.
Knickerbocker Mills Co., New York, N. Y. Spices, paprika, tea, etc. 263,371, renewed Nov. 5, 1949. O. G. Sept. 27. Class 46.
Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Men's, boys', and youths' suits, overcoats, topcoats, etc. 264,659, renewed Dec. 3, 1949. O. G. Sept. 27. Class 39.
Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.
Kuehnle-Wilson Inc., Philadelphia, Pa. Contract painting. 515,812, Sept. 27; Serial No. 533,237, published Feb. 1, 1949. Class 55.
Kwikon Company, Chicago, Ill. Fixture studs. 515,552, Sept. 27; Serial No. 528,934, published June 7, 1949. Class 21.
Laboratoires Om S. A., Geneva, Switzerland. Pharmaceutical and veterinary preparations and substances. 515,694, Sept. 27; Serial No. 550,708, published June 7, 1949. Class 6.
Laciede Laboratories, Inc., St. Louis, Mo. Preparation for application to the teeth. 515,764, Sept. 27; Serial No. 561,126, published June 14, 1949. Class 6.
Ladoga Canning Company: *See*—
Sears & Nichols Corporation, The.

Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Toilet water. 515,807, Sept. 27; Serial No. 573,954, published June 21, 1949. Class 6.
La Valliere Company, The, to The Specialty Products Company, New Orleans, La. Perfumes, toilet waters, sachet powder, etc. 258,635, renewed July 9, 1949. O. G. Sept. 27. Class 6.
Lawrence Engineering Service, Peru, Ind., by Wm. B. Whittaker Co., Ltd., Los Angeles, Calif. Cameras. 378,895, June 25, 1940. Republished Sept. 27. Class 26.
Lawrence, W. W., & Company, Pittsburgh, Pa. Paints; varnishes; paint enamels; lacquers, etc. 515,595, Sept. 27; Serial No. 538,787, published June 7, 1949. Class 16.
Learnard, Edwin G., Great Neck, N. Y. Fertiliser composition. 515,765, Sept. 27; Serial No. 561,201, published May 10, 1949. Class 10.
Leathertone, Inc., Boston, Mass. Plastic wall tile. 515,740, Sept. 27; Serial No. 557,141, published June 14, 1949. Class 12.
Lee, H. D., Company, Incorporated, The: *See*—
Lee, H. D., Mercantile Company, The.
Lee, H. D., Mercantile Company, The, by The H. D. Lee Company, Incorporated, Kansas City, Mo. Overalls and one-piece work and play suits. 248,679, Oct. 30, 1928. Republished Sept. 27. Class 39.
Leece-Neville Company, The, Cleveland, Ohio. Electrical apparatus. 515,558, Sept. 27; Serial No. 532,834, published June 7, 1949. Class 21.
Lees, Milton H., San Francisco, Calif. Whiskey. 329,160, Oct. 15, 1935. Canceled. O. G. Sept. 27. Class 49.
Le Maire: *See*—
Fischer, Harvey J.
Le Ripolin (Société Anonyme Française de peintures laquées et d'enduits sous-marins, procédés Lefranc & Briegleb réunis), Paris, France, and Amsterdam, Netherlands, to Le Ripolin (Société Anonyme Française de peintures laquées et d'Enduits Sous-Marins, Procédés Lefranc & Briegleb Réunis), Paris, France. Enamel paint. 74,929, re-renewed Aug. 17, 1949. O. G. Sept. 27. Class 16.
Lever Brothers Company: *See*—
Standard Laboratories, Inc.
Lewis & Owens Manufacturing Company, Inc., Knoxville, Tenn. Aluminum window sashes. 515,751, Sept. 27; Serial No. 558,399, published June 14, 1949. Class 12.
Lewyt Corporation, Brooklyn, N. Y. Electrically driven vacuum cleaners and accessories and attachments therefor. 515,526, Sept. 27; Serial No. 516,776, published June 7, 1949. Class 21.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 515,791, Sept. 27; Serial No. 566,945, published June 14, 1949. Class 6.
Limoneira Company, Santa Paula, Calif. Fresh citrous fruit. 244,189, July 17, 1928. Republished Sept. 27. Class 46.
Linde Air Products Company, The, New York, N. Y. Synthetic sapphire, synthetic ruby, and synthetic spinel. 443,395, Sept. 27; Serial No. 500,232, published June 14, 1949. Class 28.
Logansport Distilling Company Inc.: *See*—
Pennsylvania Distilling Company, Inc.
Loup Valley Hatchery, St. Paul and Cushing, Nebr. Live chickens. 172,822, Sept. 11, 1923. Republished Sept. 27. Class 1.
Lucky Calf Mfg. Co., Chambers, Nebr. Remedy for calf scours. 443,405, Sept. 27; Serial No. 519,021, published June 14, 1949. Class 6.
Lucky Lager Brewing Company: *See*—
Braun, Walter C.
Lyons-Magnus, Incorporated, San Francisco, Calif. Chocolate flavoring syrup. 419,471, Feb. 19, 1946. Republished Sept. 27. Class 46.
Mae-Son-Ete Company: *See*—
Stinson, Clara M.
Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. 515,599, Sept. 27; Serial No. 540,545, published June 14, 1949. Class 21.
Magnecon, assignor to Magnecon, Inc., Chicago, Ill. Electrical apparatus. 443,398, Sept. 27; Serial No. 513,064. Class 21.
Mallinckrodt Chemical Works, St. Louis, Mo. Silica gel. 515,539, Sept. 27; Serial No. 523,402, published June 14, 1949. Class 6.
Mammoth Spring-Canning Company: *See*—
Sparta Canning Co.
Manhattan Shirt Company, The, New York, N. Y. Shirts, drawers, and union suits. 106,644, Oct. 26, 1915. Republished Sept. 27. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Outer shirts, dress shirts, collars, etc. 189,514, Sept. 23, 1924. Republished Sept. 27. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Textile underwear for men. 221,071, Nov. 23, 1926. Republished Sept. 27. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts for sport wear. 267,631, Feb. 25, 1930. Republished Sept. 27. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Handkerchiefs. 327,472, Aug. 27, 1935. Republished Sept. 27. Class 39.

Marshall Field & Company, Chicago, Ill. Women's handbags. 515,606, Sept. 27; Serial No. 541,823, published May 24, 1949. Class 3.

Marshall, James S., Totnes, Devonshire, England. Candy. 443,408, Sept. 27; Serial No. 520,289, published June 7, 1949. Class 46.

Mason, Au & Magenheimer Confectionery Manufacturing Company, to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 259,075, renewed July 23, 1949. O. G. Sept. 27. Class 46.

Mason, Au & Magenheimer Confectionery Manufacturing Company, to Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 260,226, renewed Aug. 20, 1949. O. G. Sept. 27. Class 46.

Master Electric Company, The, Dayton, Ohio. Electric motors and parts thereof, etc. 156,704, July 11, 1922. Republished Sept. 27. Class 21.

Matson, Harry E., Los Angeles, Calif. Door and wall-rack. 515,685, Sept. 27; Serial No. 549,816, published June 14, 1949. Class 13.

Mattheus, O. G., Co.: *See*—
Mattheus, Oscar G.

Mattheus, Oscar G., doing business as O. G. Mattheus Co., Pensacola, Fla. Portable bath unit. 515,586, Sept. 27; Serial No. 539,191, published June 14, 1949. Class 12.

May Department Stores Company, The, St. Louis, Mo. Hosiery. 253,967, Mar. 12, 1929. Republished Sept. 27. Class 39.

Mayfair Knitting Mills: *See*—
Kaufman, Sol.

Mayflower Products Inc., South Boston, Mass. Jams, fruit jellies, marmalades and cranberry sauce. 515,618, Sept. 27; Serial No. 544,096, published June 14, 1949. Class 46.

McCormick & Company, Incorporated: *See*—
Schilling, A., & Co.

McCrory Stores Corporation, New York, N. Y. Dress shields. 515,803, Sept. 27; Serial No. 569,388, published May 24, 1949. Class 40.

McDowell Manufacturing Company, Pittsburgh, Pa. Electric motor driven vibrators. 515,715, Sept. 27; Serial No. 554,140, published June 7, 1949. Class 44.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric switch sockets, electric switch porcelain brackets, and other electric switch mechanisms, etc. 515,674, Sept. 27; Serial No. 549,560, published June 14, 1949. Class 21.

Meier, Arthur G., trading as Tested Lubricants, Roanoke, Va. Lubricating oils and greases. 515,831, Sept. 27; Serial No. 519,674. Class 15.

Meierjohan-Wengler Co., Cincinnati, Ohio. Cemetery flower vases. 515,635, Sept. 27; Serial No. 545,869, published June 21, 1949. Class 13.

Merco Nordstrom Valve Company: *See*—
Rockwell Manufacturing Company.

Merco Nordstrom Valve Company, San Francisco, Calif., to Rockwell Manufacturing Company, Pittsburgh, Pa. Plug-cocks. 261,926, renewed Sept. 24, 1949. O. G. Sept. 27. Class 13.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Pharmaceutical product. 515,776, Sept. 27; Serial No. 564,679, published June 7, 1949. Class 6.

Merrimac Hat Corporation, New York, N. Y. Braid for women's and children's hats and hat bodies. 515,799–800, Sept. 27; Serial Nos. 567,986–7, published June 7, 1949. Class 40.

Merrimac Hat Corporation, New York, N. Y. Braid for women's and children's hats and hat bodies. 515,801, Sept. 27; Serial No. 567,991, published June 7, 1949. Class 40.

Mervin Wave Clip Co., Inc., New York, N. Y. Non-electrical hair wavers and hair curlers. 515,774, Sept. 27; Serial No. 563,205, published May 24, 1949. Class 40.

Mexico Refractories Company, Mexico, Mo. Fire brick mortar. 515,607, Sept. 27; Serial No. 541,943, published June 14, 1949. Class 12.

Meynell Manufacturing Company, Erie, Pa. Hotplates and cook stoves. 515,732, Sept. 27; Serial No. 555,590, published May 31, 1949. Class 34.

Middleburg Tanning Corporation, Philadelphia, Pa. Sole leather. 515,536, Sept. 27; Serial No. 521,918, published May 24, 1949. Class 1.

Midwest Metal Stamping Company: *See*—
One Minute Washer Company.

Miller-Smith Hosiery Mills, Chattanooga, Tenn. Hosiery. 262,393, renewed Oct. 8, 1949. O. G. Sept. 27. Class 39.

Miller, Woodrow, doing business as Woodrow Miller and Company and Woodrow Miller Honey Company, Alhambra, Calif. Honey. 443,397, Sept. 27; Serial No. 512,977, published June 7, 1949. Class 46.

Miller, Woodrow, and Company: *See*—
Miller, Woodrow.

Miller, Woodrow, Honey Company: *See*—
Miller, Woodrow.

Miller's Preparations Corp., Fort Worth, Tex. Solution for alleviating pain. 515,537, Sept. 27; Serial No. 522,224, published May 31, 1949. Class 6.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive coated abrasion resistant sheet material. 515,733, Sept. 27; Serial No. 556,591, published June 14, 1949. Class 5.

Modern Manufacturing Co., Inc., by Modern Manufacturing Co. Inc., New York, N. Y. Cotton frocks for women, misses and children. 356,129, Apr. 12, 1938. Republished Sept. 27. Class 39.

Moench, R. G., & Co., Inc., New York, N. Y. Food composition in powdered form. 515,535, Sept. 27; Serial No. 523,138, published June 7, 1949. Class 46.

Monarch Chemical Company, New York, N. Y. Baking powder. 515,686, Sept. 27; Serial No. 550,058, published June 7, 1949. Class 46.

Montres Nova, Biedermann Freres, S. A. Neuveville, Switzerland. Watches and parts thereof. 515,542, Sept. 27; Serial No. 523,789, published June 14, 1949. Class 27.

Moran, Michael J., doing business as Standard Parts Company, Detroit, Mich. Lawn sprinklers. 515,615, Sept. 27; Serial No. 543,510, published June 7, 1949. Class 13.

Morris Drug Co., York, Pa. Disinfectants. 261,861, renewed Sept. 24, 1949. O. G. Sept. 27. Class 6.

Morris, Mann & Reilly, Inc., Chicago, Ill. Link-mesh bags, jewel boxes, jewel cases, etc. 515,710, Sept. 27; Serial No. 553,122, published June 14, 1949. Class 28.

Morris Paint & Varnish Co., St. Louis, Mo. Plastic wall finish. 515,600, Sept. 27; Serial No. 540,695, published June 21, 1949. Class 16.

Morse, John E., doing business as Chemgrain Plate Preparation Co., Brooklyn, N. Y. Aluminum photolithographic printing plates. 515,645, Sept. 27; Serial No. 547,567, published May 31, 1949. Class 50.

Moxie Company, The, Boston, Mass. Nonalcoholic, maltless carbonated beverage. 255,642, Apr. 30, 1929. Republished Sept. 27. Class 45.

Murphy, G. C., Company: *See*—
Republic Stamping & Enameling Company, The.

Nagel, Charles R., doing business as Armagel Industries, Burbank, Calif. Screen door guards. 515,704, Sept. 27; Serial No. 551,721, published June 7, 1949. Class 13.

Nash, Inc., Jersey City, N. J. Wallets, key cases, purses, portfolios, etc. 515,804, Sept. 27; Serial No. 571,157, published June 14, 1949. Class 3.

National Cylinder Gas Company, Chicago, Ill. Chemical fluxes and compressed gases. 515,792, Sept. 27; Serial No. 566,999, published June 21, 1949. Class 6.

National NuGrape Company: *See*—
NuGrape Company of America.

National Starch Products Inc., New York, N. Y. Adhesives. 515,589, Sept. 27; Serial No. 539,340, published June 21, 1949. Class 5.

National Superior Fur Dressing & Dyeing Co., Chicago, Ill. Fur cleaning and storage. 515,825–6, Sept. 27; Serial Nos. 562,388–9, published June 21, 1949. Class 55.

National Tileboard Corp., assignor to Roxdale Building Products Corporation, New York, N. Y. Tiles and tileboard. 515,746, Sept. 27; Serial No. 558,154, published June 14, 1949. Class 12.

Nestle-Le Mur Company, The, Cleveland, Ohio, to The Nestle-Le Mur Company, South Meriden, Conn. Hair-treating composition. 264,670, renewed Dec. 3, 1949. O. G. Sept. 27. Class 6.

New Bedford Luggage Company, New Bedford, Mass. Traveling bags, overnight bags, valises, etc. 515,698, Sept. 27; Serial No. 551,114, published June 7, 1949. Class 3.

Newton Products Company, The, Cincinnati, Ohio, to Chase Candy Company, St. Louis, Mo. Candies and confections. 263,568, renewed Nov. 5, 1949. O. G. Sept. 27. Class 46.

Nordstrom Valve Company: *See*—
Rockwell Manufacturing Company.

Norlund, O. A., Co.: *See*—
Norlund, Olof A.

Norlund, O. A., Company, Inc.: *See*—
Norlund, Olof A.

Norlund, Olof A., doing business as O. A. Norlund Co., by O. A. Norlund Company, Inc., Williamsport, Pa. Fish gaffs. 194,821, Feb. 10, 1925. Republished Sept. 27. Class 22.

Northern Virginia Broadcasters, Inc., Arlington, Va. Radio broadcasting. 515,817, Sept. 27; Serial No. 539,201, published June 7, 1949. Class 55.

NuGrape Company of America, by National NuGrape Company, Atlanta, Ga. Maltless beverages, etc. 164,168, Feb. 13, 1923. Republished Sept. 27. Class 45.

Nutone, Inc., Chicago, Ill. Clocks. 515,695, Sept. 27; Serial No. 550,824, published June 14, 1949. Class 27.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 515,656, Sept. 27; Serial No. 548,830, published May 31, 1949. Class 46.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 515,657, Sept. 27; Serial No. 548,832, published May 31, 1949. Class 46.

O-Cedar Corp'n., Chicago, Ill. Mops and dusters. 515,608, Sept. 27; Serial No. 542,231, published June 14, 1949. Class 29.

Ohio Stove Company, Portsmouth, Ohio. Stoves, ranges and barbecue grills. 443,410, Sept. 27; Serial No. 523,694, published May 31, 1949. Class 34.

Olean Tile Company, Inc., The, Olean, N. Y. Flooring and wall tiles. 262,732, renewed Oct. 22, 1949. O. G. Sept. 27. Class 12.

Olin Manufacturing Company: *See*—
Holloway, Albert F.

Ollendorff Watch Co., Inc., New York, N. Y. Watches and clocks. 515,747, Sept. 27; Serial No. 558,157, published June 14, 1949. Class 27.

Ollendorff Watch Co., Inc., New York, N. Y. Watches and clocks. 515,748–9, Sept. 27; Serial Nos. 558,159–60, published June 14, 1949. Class 27.

Oneida Community Limited, by Oneida Ltd., Oneida, N. Y. Silverplated flatware, hollow ware, and cutlery. 247,949, Oct. 9, 1928. Republished Sept. 27. Class 28.

Oneida Ltd.: *See*—
Oneida Community Limited.

One Minute Washer Company, Newton, Iowa, by Midwest Metal Stamping Company, Kellogg, Iowa. Washing machines and parts thereof. 350,445, Aug. 23, 1938. Republished Sept. 27. Class 24.

Orefraction Incorporated, Pittsburgh, Pa. Sand derivatives and compositions composed principally of sand derivatives, used in making paints, pigments, glazes, etc. 443,412, Sept. 27; Serial No. 525,020, published June 7, 1949. Class 16.

Oster, John, Manufacturing Company, Racine, Wis. 515,517, Sept. 27. Portable electric hand operated grinders, etc. Serial No. 532,863, published Jan. 18, 1949, Class 21; Hand operated hair clippers, Serial No. 532,862, published Jan. 11, 1949, Class 23; Electric hair dryers, etc., Serial No. 498,390, published Apr. 12, 1949, Class 44. (Consolidated certificate, Classes 21, 23, and 44.)

Ox Fibre Brush Company, Inc., Frederick, Md. Brushes, brooms, and floor mops. 515,634, Sept. 27; Serial No. 545,763, published June 7, 1949. Class 29.

Pacific Iron & Steel Co., Los Angeles, Calif. Steel industrial buildings. 515,621, Sept. 27; Serial No. 544,376, published June 14, 1949. Class 12.

Pacific Produce Distributors Inc., San Jose, Calif. Fresh vegetables. 328,777, Oct. 8, 1935. Republished Sept. 27. Class 46.

Package Products Company: *See*—
Stoltzaben, Jack.

Paige, John C., & Company, Boston, Mass. Insurance, brokerage, and agency services. 515,816, Sept. 27; Serial No. 538,035, published June 21, 1949. Class 55.

Parents' Institute, Inc., The, New York, N. Y. Publication. 349,350, Aug. 24, 1937. Republished Sept. 27. Class 38.

Parents' Institute, Inc., The, by Baby Care Manual, Inc., New York, N. Y. Publication. 370,271, Aug. 22, 1939. Republished Sept. 27. Class 38.

Parrott Chemical Company, The: *See*—
Parrott, William C.

Parrott, William C., doing business as The Parrott Chemical Co., New Hartford, N. Y., to W. C. Parrott, doing business as The Parrott Chemical Company, Stamford, Conn. Insecticides and disinfectants. 263,232, renewed Nov. 5, 1949. O. G. Sept. 27. Class 6.

Patch, E. L., Company, The, Stoneham, Mass. Sedation tablets. 515,753, Sept. 27; Serial No. 558,734, published May 31, 1949. Class 6.

Paul Laboratories, The: *See*—
Paulantonio, Carmine.

Paulantonio, Carmine, doing business as The Paul Laboratories, New York, N. Y. Antiseptic medicated skin preparation. 515,741, Sept. 27; Serial No. 557,207, published June 14, 1949. Class 6.

Penn, William, Laundry, Inc., Philadelphia, Pa. Laundering. 515,824, Sept. 27; Serial No. 558,427, published June 21, 1949. Class 55.

Pennsylvania Distillery, Inc.: *See*—
Pennsylvania Distilling Company, Inc.

Pennsylvania Distilling Company, Inc., doing business as Pennsylvania Distillery, Inc., Logansport, Pa., and Brooklyn, N. Y., by Logansport Distilling Company Inc., Schenley, Schaefferstown, Logansport, Pa., and New York, N. Y., assignor to Joseph S. Finch and Company. Whiskey. 328,089, Sept. 17, 1935. Republished Sept. 27. Class 49.

Petroleum Heat and Power Company, Stamford, Conn. Oil burner service. 515,835, Sept. 27; Serial No. 526,838. Class 55.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Interior flat wall paint. 515,563, Sept. 27; Serial No. 532,357, published May 31, 1949. Class 16.

Phillips, George L., doing business under the name Phillips Plastic Co., Newkirk, Okla. Semi-solid, plastic, non-silicate of soda adhesive. 443,402, Sept. 27; Serial No. 515,679, published July 1, 1947. Class 5.

Phillips Plastic Co.: *See*—
Phillips, George L.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Farina. 361,616, Oct. 25, 1938. Republished Sept. 27. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pine-O-Pine Company of Texas, Houston, Tex. Bath water perfume lotion. 515,794, Sept. 27; Serial No. 567,150, published June 21, 1949. Class 6.

Pioneer Suspender Company, Philadelphia, Pa. Buckles. 515,516, Sept. 27; Serial No. 491,283, published May 17, 1949. Class 40.

Piqua Hosiery Co., The, by The Atlas Underwear Company, Piqua, Ohio. Bathing suits. 261,749, Sept. 24, 1929. Republished Sept. 27. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint enamels, varnishes, and ready-mixed paints. 515,725, Sept. 27; Serial No. 556,024, published June 21, 1949. Class 16.

Pittsburgh Shovel Company, The, Pittsburgh, Pa., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Shovels, spades, and scoops. 264,437, renewed Nov. 26, 1949. O. G. Sept. 27. Class 23.

Plumley, George C., trading and doing business as Quietaire Company, Houston, Tex. Ventilating fans. 515,519, Sept. 27; Serial No. 507,338, published June 14, 1949. Class 34.

Portland Packing Co., Portland, Maine. Canned vegetables. 515,649–50, Sept. 27; Serial Nos. 548,177–8, published May 31, 1949. Class 46.

Portland Packing Co., Portland, Maine. Canned golden corn. 515,651, Sept. 27; Serial No. 548,180, published May 31, 1949. Class 46.

Posner, Thomas, & Bro., by Security Fashions, Inc., New York, N. Y. Ladies' and juniors' frocks, gowns, and dresses. 278,629, Dec. 23, 1930. Republished Sept. 27. Class 39.

Premier Industries Corporation, New York, N. Y. Electrically driven mixer. 515,707, Sept. 27; Serial No. 552,163, published June 7, 1949. Class 21.

Produits Chimiques de Liege, Bois-de-Breux, near Liege, Belgium. Coloring materials. 515,605, Sept. 27; Serial No. 541,701, published June 7, 1949. Class 16.

Pure Oil Company, The, Chicago, Ill. Mineral lubricating oils. 515,547, Sept. 27; Serial No. 526,831, published June 21, 1949. Class 15.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon burning oils, illuminating oils, and kerosene. 515,549, Sept. 27; Serial No. 527,287, published June 21, 1949. Class 15.

Pure Oil Company, The, Chicago, Ill. Lubricating oil and grease, fuel oil, burning oil, and naphtha. 515,550, Sept. 27; Serial No. 527,855, published June 21, 1949. Class 15.

Pyle-National Company, The, Chicago, Ill. Air distributing apparatus. 515,658, Sept. 27; Serial No. 548,940, published May 31, 1949. Class 34.

Quaker Oats Company, The, Chicago, Ill. Biscuit and patty shells formed of whole wheat. 515,665, Sept. 27; Serial No. 549,170, published May 31, 1949. Class 46.

Quaker Oats Company, The, Chicago, Ill. Cereal breakfast foods. 515,666, Sept. 27; Serial No. 549,171, published June 7, 1949. Class 46.

Quietaire Company: *See*—
Plumley, George C.

R. & G. Distributors, Inc.: *See*—
Rosenberg & Gallant.

Radio Corporation of America, New York, N. Y. Periodical inspection and repair of industrial electronic equipment, etc. 515,819, Sept. 27; Serial No. 543,523, published June 7, 1949. Class 55.

Raven Coals, Inc., Beckley, W. Va. Coal. 515,609, Sept. 27; Serial No. 542,352, published May 24, 1949. Class 1.

Red Devil Tools, Irvington, N. J. Metal washers and lock washers, lawn sprinklers, etc. 515,710, Sept. 27; Serial No. 554,156, published June 14, 1949. Class 13.

Redlands Orange Growers' Association, by Redlands Orange Growers Association (1934), Redlands, Calif. Fresh oranges. 230,543, July 26, 1927. Republished Sept. 27. Class 46.

Redlands Orange Growers Association (1934): *See*—
Redlands Orange Growers' Association.

Red 73 Creamery, Inc., Union City, Ohio. Butter, powdered milk, and sweetened condensed milk. 515,672, Sept. 27; Serial No. 549,463, published May 31, 1949. Class 46.

Reed & Carnrick, Jersey City, N. J. Pharmaceutical preparation. 515,796, Sept. 27; Serial No. 567,209, published June 21, 1949. Class 6.

Regal Thread and Notion Co., Inc., Philadelphia, Pa. Garment fasteners and pins. 443,399, Sept. 27; Serial No. 513,836, published May 24, 1949. Class 40.

Reinhard Brothers Company, Minneapolis, Minn. Radio receiving and transmitting sets, radio tubes, and parts. 515,520, Sept. 27; Serial No. 506,390, published June 7, 1949. Class 21.

Republic Paint & Varnish Co., Chicago, Ill. Paint and varnish remover. 515,601, Sept. 27; Serial No. 540,877, published June 7, 1949. Class 16.

Republic Stamping & Enameling Company, The, Canton, Ohio, assignor to G. C. Murphy Company, McKeesport, Pa. Base metal cooking, kitchen, household, and hospital ware. 515,527, Sept. 27; Serial No. 517,664, published June 14, 1949. Class 13.

Republic Stamping & Enameling Company, The, Canton, Ohio. Base metal cooking, kitchen, household, and hospital ware. 515,528, Sept. 27; Serial No. 517,667, published June 14, 1949. Class 13.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipstick, face powder, cheek stick, and cake rouge. 515,619, Sept. 27; Serial No. 544,197, published June 14, 1949. Class 6.

Riverbank Canning Company: *See*—
Zerillo, Lorenzo.

Rockwell Manufacturing Company: *See*—
Merco Nordstrom Valve Company.

Rockwell Manufacturing Company, Pittsburgh, Pa., assignee of Nordstrom Valve Company, formerly Merco Nordstrom Valve Company. Valve lubricating greases, lubricating oils, and solid lubricating compounds in stick or bulk form. 515,515, Sept. 27; Serial No. 487,139, published June 14, 1949. Class 15.

Rodes-Rapier Co., Inc., Louisville, Ky. Coats, vests, trousers, knickerbockers, etc. 298,369, Oct. 25, 1932. Republished Sept. 27. Class 39.

Roll-O-Matic Screen Company, The, Cleveland, Ohio. Complete window screens. 515,575, Sept. 27; Serial No. 535,262, published June 7, 1949. Class 12.

Romay, Inc., New York, N. Y. Ladies', women's and misses' pocketbooks, handbags, purses, etc. 515,805, Sept. 27; Serial No. 571,237, published June 14, 1949. Class 3.

Rosenberg & Gallant, Bronx, by R. & G. Distributors, Inc., New York, N. Y. Canned fish. 280,856, Mar. 3, 1931. Republished Sept. 27. Class 46.

Rosenberg & Gallant, Bronx, by R. & G. Distributors, Inc., New York, N. Y. Canned fish. 293,281, Apr. 19, 1932. Republished Sept. 27. Class 46.

Roxdale Building Products Corporation: *See*—
National Tileboard Corp.

Reyes Chemical Company, Carlton Hill, N. J. Wetting out agent. 434,411, Nov. 18, 1947. Republished Sept. 27. Class 6.

Ryerson Oil Co., Inc., New York, N. Y. Lubricating wax, grease and oil. 515,761–2, Sept. 27; Serial Nos. 560,227–8, published June 21, 1949. Class 15.

Sandoz Chemical Works, Inc., New York, N. Y. Preparation recommended for the treatment of headaches. 515,763, Sept. 27; Serial No. 560,660, published June 14, 1949. Class 6.

San Fernando Fruit Growers Association, San Fernando, Calif. Fresh citrus fruits. 262,211, Oct. 1, 1929. Republished Sept. 27. Class 46.

Sapolin Co. Inc., to Sapolin Paints Inc., New York, N. Y. Paint products. 261,295, renewed Sept. 17, 1949. O. G. Sept. 27. Class 16.

Sapolin Paints Inc.: *See*—
Sapolin Co. Inc.

Schenley Laboratories, Inc., New York, N. Y. Penicillin tablets. 515,793, Sept. 27; Serial No. 567,048, published June 21, 1949. Class 6.

Schering Corporation, Bloomfield, N. J. Phthalylsulfacetimide. 515,617, Sept. 27; Serial No. 543,839, published Sept. 28, 1948. Class 6.

Schiff, Lawrance, Silk Mills, New York, N. Y. Ribbons used for seam binding of wearing apparel. 515,833, Sept. 27; Serial No. 550,454. Class 40.

Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Baking powder and cream of tartar. 289,062, Nov. 17, 1931. Republished Sept. 27. Classes 6 and 46.

Schilling, A., & Co., San Francisco, Calif., by McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., also doing business as A. Schilling & Co. Division of McCormick & Company, Incorporated. Bicarbonate of soda, and for flavoring salts. 292,974, Apr. 5 1932. Republished Sept. 27. Classes 6 and 46.

Schilling, A., & Co. Division of McCormick & Company, Incorporated: *See*—
Schilling, A., & Co.

School Management, Inc., New York, N. Y. Magazine. 329,270, Oct. 22, 1935. Republished Sept. 27. Class 38.

Schwarts, Tillie, New Haven, Conn. Tonic for relief of heart trouble and diabetes. 515,743, Sept. 27; Serial No. 557,313, published June 14, 1949. Class 6.

Scripture, Dr. I. E., Company, Frankfort, Ind. Medicinal preparation. 515,644, Sept. 27; Serial No. 547,285, published June 21, 1949. Class 6.

Sears & Nichols Corporation, The, Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned fruits, berries, vegetables, etc. 264,723, renewed Dec. 3, 1949. O. G. Sept. 27. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Tile cement, underfelt paste, cove base cement, etc. 515,688, Sept. 27; Serial No. 550,442, published June 7, 1949. Class 5.

Sears, Roebuck and Co., Chicago, Ill. Electric blankets. 515,690, Sept. 27; Serial No. 550,615, published June 7, 1949. Class 21.

Seco Leather Products Company, New York, N. Y., to Ted M. Segal, doing business as Seco Leather Products Company, West New York, N. J. Leather novelties and leather goods. 264,452, renewed Nov. 26, 1949. O. G. Sept. 27. Class 3.

Security Fashions, Inc.: *See*—
Posner, Thomas, & Bro.

Segal, Ted M.: *See*—
Seco Leather Products Company.

Seidelmann, Ernst, Corporation, New York, N. Y. 515,580, Sept. 27. Women's coats, men's and women's hosiery, suits, shoes, etc., Serial No. 537,945, published Mar. 29, 1949. Class 39. Dress goods in the piece, Serial No. 537,944, published Oct. 19, 1948. Class 42. (Consolidated certificate. Classes 39 and 42.)

Seidlits Paint & Varnish Company, Kansas City, Mo. Paint, varnish, and lacquer. 515,595, Sept. 27; Serial No. 540,323, published June 21, 1949. Class 16.

Seko Products Co.: *See*—
Troutman, Roy J.

Sentinel Radio Corporation, Evanston, Ind. Radio receiving and transmitting sets and parts thereof and therefor. 515,636, Sept. 27; Serial No. 546,062, published June 14, 1949. Class 21.

Seydel Chemical Company, Notro, W. Va., and Jersey City, N. J., to Seydel Chemical Company, Jersey City, N. J. Medicinal compound. 257,766, renewed June 18, 1949. O. G. Sept. 27. Class 6.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Remedy. 75,974, renewed Nov. 30, 1949. O. G. Sept. 27. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Sheltex Manufacturing Co., Brooklyn, N. Y. Seambinding. 515,784, Sept. 27; Serial No. 566,106, published May 24, 1949. Class 40.

Sherwin Williams Company, The, Cleveland, Ohio. Silk screen outfit. 515,562, Sept. 27; Serial No. 533,316, published May 24, 1949. Class 50.

Shulton, Inc.: *See*—
Walton, Chester E.

Signal Devices and Alarm Company, The, Cleveland, Ohio. Burglar-alarm service. 515,814, Sept. 27. Serial No. 535,265, published June 21, 1949. Class 55.

Signode Steel Strapping Company, Chicago, Ill. Anchor plates, wall cleats, stays and staples, etc. 515,659, Sept. 27; Serial No. 548,866, published June 21, 1949. Class 13.

Signode Steel Strapping Company, Chicago, Ill. Package, bundle and load binding strapping; anchor plates, wall cleats, etc. 515,660, Sept. 27; Serial No. 548,869, published June 21, 1949. Class 13.

Silent Hoist Winch and Crane Co., Brooklyn, N. Y. Portable hoists or cranes. 342,056, Dec. 29, 1936. Canceled. O. G. Sept. 27. Class 23.

Simon, Paul, New York, N. Y. Cleaning of fur, fur coats, and cloth garments. 515,827, Sept. 27; Serial No. 566,664, published June 21, 1949. Class 55.

Simons & French Company, Incorporated: *See*—
Simons, Shuttleworth & French Company, Inc.

Simons, Shuttleworth & French Company, Inc., New York, N. Y., to Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh deciduous fruits. 263,569, renewed Nov. 5, 1949. O. G. Sept. 27. Class 46.

Simplex Valve & Meter Company, Philadelphia, Pa. Air-release valves, vacuum valves, rate-of-flow controllers, etc. 266,770, Feb. 4, 1930. Republished Sept. 27. Class 13.

Sinclair Refining Company, New York N. Y. General lubricating oil. 264,843, renewed Sept. 10, 1949. O. G. Sept. 27. Class 15.

Sinclair Refining Company, New York, N. Y. Lubricating oils. 515,700, Sept. 27; Serial No. 551,323, published June 21, 1949. Class 15.

Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 515,701, Sept. 27; Serial No. 551,325, published June 14, 1949. Class 15.

Sleepmaster Products Company, by Sleepmaster Products Company, Inc., Newark, N. J. Mattresses, box springs, studio couches, and pillows. 391,256, Oct. 28, 1941. Republished Sept. 27. Class 32.

Sleepmaster Products Company, Inc.: *See*—
Sleepmaster Products Company.

Slifka, M., & Sons, Inc., New York, N. Y. Purses, wallets, combination purses and wallets, etc. 515,647, Sept. 27; Serial No. 547,781, published May 10, 1949. Class 3.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringes, hypodermic needles, anaesthesia instruments, and adapters for syringes. 515,548, Sept. 27; Serial No. 527,217, published June 7, 1949. Class 44.

Smith, Edward, & Co., Inc., New York, N. Y. Varnish extender. 515,662, Sept. 27; Serial No. 549,023, published June 7, 1949. Class 16.

Smith, M. B., Lumber & Shingle Company, Kansas City, Mo., to M. B. Smith Lumber & Shingle Company, Seattle, Wash. Wood shingles. 261,837, renewed Sept. 24, 1949. O. G. Sept. 27. Class 12.

Smithweld Company, The, Houston, Tex. Oxy-acetylene welding torches, cutting torches, lead burning torches, etc. 515,602, Sept. 27; Serial No. 541,210, published May 31, 1949. Class 34.

Snyder, Andrew J., to Century Cement Manufacturing Company, Inc., Rosendale, N. Y. Builder's cement. 258,790, renewed July 16, 1949. O. G. Sept. 27. Class 12.

Sparta Canning Co., Sparta, by Mammoth Spring Canning Company, Sussex, Wis. Canned vegetables. 261,493, Sept. 17, 1929. Republished Sept. 27. Class 46.

Speas Company, The: *See*—
Speas Manufacturing Co.

Speas Manufacturing Co., to The Speas Company, Kansas City, Mo. Vinegar. 264,161, renewed Nov. 19, 1949. O. G. Sept. 27. Class 46.

Specialty Manufacturing Company: *See*—
Cleesco Bedding Co.

Specialty Products Company, The: *See*—
La Valliere Company, The.

Spelrein Luggage Corp., Brooklyn, N. Y. Luggage. 515,768, Sept. 27; Serial No. 562,161, published May 24, 1949. Class 3.

Sperry Flour Co., San Francisco, Calif., to General Mills, Inc., Minneapolis, Minn. Wheat flour. 260,544, renewed Aug. 27, 1949. O. G. Sept. 27. Class 46.

Stalpic Coating Corporation, Chicago, Ill. Resinous plastic solution. 515,535, Sept. 27; Serial No. 520,652, published June 21, 1949. Class 16.

Standard Brands Incorporated, New York, N. Y. Food flavoring or seasoning composition. 515,677, Sept. 27; Serial No. 549,678, published May 31, 1949. Class 46.

Standard Laboratories, Inc., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass. Kit for use in home permanent wave. 515,661, Sept. 27; Serial No. 548,876, published May 31, 1949. Class 44.

Standard Parts Company: *See*—
Moran, Michael J.

Standard Sales Co., Birmingham, Ala. Pocket combs. 515,802, Sept. 27; Serial No. 568,088, published June 7, 1949. Class 40.

Star Expansion Bolt Company, New York, N. Y. Bolt anchors. 515,564, Sept. 27; Serial No. 533,629, published June 21, 1949. Class 13.

Star Expansion Bolt Company, New York, N. Y. Expansion shields. 515,565–7, Sept. 27; Serial Nos. 533,630–2, published June 21, 1949. Class 13.

Star Expansion Bolt Company, New York, N. Y. Toggle bolts. 515,568–9, Sept. 27; Serial Nos. 533,633–4, published June 21, 1949. Class 13.

Stavineer Corporation, Chicago, Ill. Prefabricated building panels. 515,828, Sept. 27; Serial No. 527,453, published May 31, 1949. Class 12.

Steel Forgings, Inc., Shreveport, La. Pipe saddles. 515,646, Sept. 27; Serial No. 547,676, published June 21, 1949. Class 13.

Stevens-Wiley Manfg. Co. Inc. The, Philadelphia, Pa. Bleaching, bluing, and starching agent. 119,925, Dec. 18, 1917. Republished Sept. 27. Class 6.

Stinson, Clara M., doing business as Mac-Son-Ete Company, Cleveland Heights, Ohio. Combined cleaning and polishing preparations. 443,400, Sept. 27; Serial No. 513,693, published June 21, 1949. Class 16.

Stolteben, Jack, doing business as Package Products Company, Chicago, Ill. Window glasss substitute. 515,578, Sept. 27; Serial No. 536,846, published Apr. 26, 1949. Class 50.

Streator Canning Company: *See*—
Crary, C. S., Company.

Strickland, J., and Co., Memphis, Tenn. Hand cream. 515,593, Sept. 27; Serial No. 540,217, published June 7, 1949. Class 6.

Sun Chemical Corporation: *See*—
Fuchs & Lang Manufacturing Co., The.

Sun Oil Company, Philadelphia, Pa. Clear penetrating oil; detergent type motor lubricating oil; door hinge lubricating grease; etc. 448,401, Sept. 27; Serial No. 513,694, published June 21, 1949. Class 15.

Superior Manufacturing Company, The, Fitchburg, Mass. Insulated saddle staples. 515,639, Sept. 27; Serial No. 546,625, published June 14, 1949. Class 21.

Sweeney and Kephart, Billings, Mont. Applique work. 515,524, Sept. 27; Serial No. 513,592, published May 24, 1949. Class 40.

Telex, Inc., Minneapolis, Minn. Hearing aid accessory. 515,596, Sept. 27; Serial No. 540,340, published June 7, 1949. Class 44.

Tested Lubricants: *See*—
Meier, Arthur G.

Tex-O-Kan Flour Mills Co., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. Whole wheat flour, cake flour, pancake flour, etc. 509,538, May 10, 1949. Corrected. O. G. Sept. 27. Class 46.

Thatcher Furnace Company, Garwood, N. J. Oil, gas and coal fired air conditioning units. 515,574, Sept. 27; Serial No. 535,099, published June 14, 1949. Class 34.

Tiffen Manufacturing Corporation, Brooklyn, N. Y. Photographic lens shades, filter mounts, extension tubes, etc. 515,830, Sept. 27; Serial No. 518,991. Class 26.

Tilton & Cook Co., Leominster, Mass. Combs, barrettes, hair rolls and hair curlers. 515,806, Sept. 27; Serial No. 572,610, published June 14, 1949. Class 40.

Timken-Detroit Axle Company, The, Detroit, Mich. Furnaces, boilers, water heaters, etc. 515,555, Sept. 27; Serial No. 531,547, published May 31, 1949. Class 34.

Tinnerman Products, Inc., Cleveland, Ohio. Metal clips and metal fasteners. 515,632, Sept. 27; Serial No. 545,660, published June 7, 1949. Class 13.

Torres, August S., Kinderhook, N. Y. Electric coffee roasters. 453,394, Sept. 27; Serial No. 499,926, published June 21, 1949. Class 21.

Towle Maple Syrup Company, The, St. Paul, Minn., to General Foods Corporation, New York, N. Y. Blend of cane and maple syrups. 74,056, re-renewed June 15, 1949. O. G. Sept. 27. Class 46.

Tritest Screw Products Corp., Chicago, Ill. Screws, nuts, and bolts. 515,696, Sept. 27; Serial No. 550,968, published June 21, 1949. Class 13.

Troutman, Roy J., doing business as Seko Products Co., Shamokin, Pa. Cough syrup. 515,783, Sept. 27; Serial No. 565,663, published June 21, 1949. Class 6.

True's Oil Company, Spokane, Wash. Re-capping and reconditioning vehicle tires. 515,818, Sept. 27; Serial No. 539,917, published June 7, 1949. Class 55.

Truman, David L., doing business as Cinema Specialties Company, Los Angeles, Calif. Combs in the nature of barrettes. 515,769, Sept. 27; Serial No. 562,164, published June 7, 1949. Class 40.

Tuway Fish Lure Co., Berkeley, Calif. Artificial fish lures. 515,829, Sept. 27; Serial No. 507,441. Class 22.

Twentieth Century Valve Corporation, New York and Buffalo, N. Y. Faucets and valves. 443,408, Sept. 27; Serial No. 521,837, published Apr. 5, 1949. Class 13.

Union des Verreries Mecaniques Belges, Societe Anonyme: *See*—
Comptoir Général Belge pour la vente des verres mécaniques Fourcault Société Anonyme.

United-Carr Fastener Corporation, Cambridge, Mass. Fasteners, connectors and attaching devices of various types. 515,518, Sept. 27; Serial No. 497,892, published June 21, 1949. Class 13.

United Stay Company, Inc., Cambridge, Mass. Piping for shoes. 515,637, Sept. 27; Serial No. 546,333, published June 14, 1949. Class 40.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap dispensers; valves and tanks for dispensing soap. 515,614, Sept. 27; Serial No. 542,979, published June 21, 1949. Class 13.

United States Television Manufacturing Corporation, New York, N. Y. Television receivers. 515,612, Sept. 27; Serial No. 542,702, published June 7, 1949. Class 21.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 515,760, Sept. 27; Serial No. 560,069, published June 7, 1949. Class 6.

Viking Appliance Corporation: *See*—
Familian-Silver Co.

Vita-Var Corporation, assignor, by mesne assignments, to Vita-Var Corporation, Newark, N. J. Liquid waterproofing coating in the nature of a paint product. 443,392, Sept. 27; Serial No. 474,561, published July 20, 1948. Class 16.

Walton, Chester E., Inglewood, Calif., by Shulton, Inc., New York, N. Y., and Clifton, N. J. Astringents, beauty creams, cold creams, etc. 283,058, Oct. 29, 1929. Republished Sept. 27. Class 6.

Waples-Platter Company, Fort Worth, Tex. Canned fruits, vegetables, soups, and meats, etc. 355,785, Mar. 29, 1938. Republished Sept. 27. Class 46.

Warren Refining & Chemical Company, The, Cleveland, Ohio. Oils and greases for automobile lubrication. 262,268, renewed Oct. 1, 1949. O. G. Sept. 27. Class 15.

Washington, Hazel, Los Angeles, Calif. Portfolios, pocketbooks and luggage. 515,775, Sept. 27; Serial No. 563,768, published June 7, 1949. Class 3.

Waterbury Companies, Incorporated, Waterbury, Conn. Electrical attachment plugs. 515,702, Sept. 27; Serial No. 551,419, published June 21, 1949. Class 21.

Weiner, Martin, New York, N. Y. Piece goods. 426,297, Dec. 24, 1946. Republished Sept. 27. Class 42.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Cleaning and conditioning apparatus. 515,594, Sept. 27; Serial No. 540,222, published June 7, 1949. Class 21.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio receivers and parts thereof, electric phonographs and parts thereof, and dry cell batteries. 515,832, Sept. 27; Serial No. 528,664. Class 21.

West Virginia Pulp and Paper Company, New York, N. Y. Precipitated calcium carbonate technical grade. 515,756, Sept. 27; Serial No. 559,400, published June 7, 1949. Class 6.

White, Emanuel H., by Wonder Lock Co., Chicago, Ill. Attachable and adjustable all-purpose type locks. 416,655, Sept. 25, 1945. Republished Sept. 27. Class 25.

Whittaker, Wm. R., Co., Ltd.: *See*—
Lawrence Engineering Service.

Wilkins, E. J., Company, Gloversville, N. Y. Pocketbooks and billfolds. 515,559, Sept. 17; Serial No. 533,092, published May 17, 1949. Class 3.

Wilkins, E. J., Company, Gloversville, N. Y. Billfolds. 515,560, Sept. 27; Serial No. 533,093, published May 17, 1949. Class 3.

Williamson Candy Company, Chicago, Ill. Candy. 251,265, Jan 1, 1929. Republished Sept. 27. Class 46.

Wilputte Coke Oven Corporation, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Gas manufacturing equipment. 515,583, Sept. 27; Serial No. 538,480, published May 31, 1949. Class 34.

Wilson Sporting Goods Co.: *See*—
General Sports, Inc.

Winton Watch Company, Inc.: *See*—
Adela, L., Company.

Withington & Cooley Manufacturing Company, Jackson, Mich., by The American Fork and Hoe Company, Cleveland, Ohio. Hoes. 67,882, Feb. 25, 1908. Republished Sept. 27. Class 23.

Withington & Cooley Manufacturing Company, Jackson, Mich., by The American Fork and Hoe Company, Cleveland, Ohio. Agricultural and similar forks and hoes. 68,157, Mar. 10, 1908. Republished Sept. 27. Class 23.

Wonder Lock Co.: *See*—
White, Emanuel H.
Wood, John, Manufacturing Company, Inc., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa. Gas water heaters, and combination boilers. 515,671, Sept. 27; Serial No. 549,403, published June 7, 1949. Class 34.
Worth, Lean R.: *See*—
Everhot Chemical Corporation.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen fabrics. 264,106, renewed Nov. 19, 1949. O. G. Sept. 27. Class 42.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline compound. 515,561, Sept. 27; Serial No. 533,104, published May 31, 1949. Class 6.
Wyler, Paul, New York, N. Y. Watches. 515,726, Sept. 27; Serial No. 556,303, published June 14, 1949. Class 27.
Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh citrus fruits. 254,517, Mar. 26, 1929. Republished Sept. 27. Class 46.
Zell Bros.: *See*—
Zell Brothers Inc.
Zell Brothers Inc., by Zell Bros., Portland, Oreg. Watches. 361,436, Oct. 18, 1939. Republished Sept. 27. Class 27.
Zerillo, Lorenzo, Healdsburg, by Riverbank Canning Company, Riverbank, Calif. Fresh deciduous fruits, dried fruits, and grape sirup. 156,946, July 18, 1922. Republished Sept. 27. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chickens, Live. Loup Valley Hatchery. 172,822, Sept. 11, 1923. Republished Sept. 27.
Coal. Raven Coals, Inc. 515,609, Sept. 27; Serial No. 542,352, published May 24, 1949.
Leather, Sole. Middleburg Tanning Corporation. 515,536, Sept. 27; Serial No. 521,918, published May 24, 1949.

CLASS 2

Cylinders employed as containers. Walter Kidde & Company, Inc. 515,545, Sept. 27; Serial No. 526,652, published Mar. 8, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Cylinders employed as containers. Walter Kidde & Company, Inc. 515,546, Sept. 27; Serial No. 526,657, published Mar. 8, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.

CLASS 3

Bags, Traveling, overnight bags, valises, etc. New Bedford Luggage Company. 515,698, Sept. 27; Serial No. 551,114, published June 7, 1949.
Billfolds. E. J. Wilkins Company. 515,560, Sept. 27; Serial No. 533,093, published May 17, 1949.
Handbags, pocketbooks and purses, Women's and misses'. Bienen-Davis, Inc. 515,708, Sept. 27; Serial No. 552,565, published May 24, 1949.
Handbags, Women's. Marshall Field & Company. 515,606, Sept. 27; Serial No. 541,823, published May 24, 1949.
Kits, Toilet article. Buchner Import Co., Inc. 515,587, Sept. 27; Serial No. 539,288, published June 7, 1949.
Leather novelties and leather goods. Seco Leather Products Company. 264,452, renewed Nov. 26, 1949. O. G. Sept. 27.
Luggage. Speirein Luggage Corp. 515,768, Sept. 27; Serial No. 562,161, published May 24, 1949.
Pocketbooks and billfolds. E. J. Wilkins Company. 515,559, Sept. 27; Serial No. 533,092, published May 17, 1949.
Pocketbooks, handbags, purses, etc., Ladies', women's and misses'. Ronay, Inc. 515,805, Sept. 27; Serial No. 571,237, published June 14, 1949.
Portfolios, pocketbooks and luggage. H. Washington. 515,775, Sept. 27; Serial No. 563,768, published June 7, 1949.
Portfolios, pocketbooks, wallets and leather-covered receptacles. Brown & Bigelow. 515,522, Sept. 27; Serial No. 512,376, published May 10, 1949.
Purses, wallets, combination purses and wallets, etc. M. Slifka & Sons, Inc. 515,647, Sept. 27; Serial No. 547,781, published May 10, 1949.
Suitcases. Abel & Bach, Inc. 515,654, Sept. 27; Serial No. 548,703, published June 14, 1949.
Trunks, travelers' hand bags, and suit cases. M. H. Goldenberg. 257,079, May 28, 1929. Republished Sept. 27.
Trunks, Wardrobe, wardrobe cases, suitcases, etc. The J. L. Hudson Company. 515,584, Sept. 27; Serial No. 538,758, published May 17, 1949.
Wallets and purses. Aristocrat Leather Products, Inc. 515,797–8, Sept. 27; Serial Nos. 567,380–1, published May 24, 1949.
Wallets, key cases, purses, portfolios, etc. Nash, Inc. 515,804, Sept. 27; Serial No. 571,157, published June 14, 1949.

CLASS 4

Cleaning and polishing materials. The R. M. Hollingshead Co. 222,617, Jan. 4, 1927. Republished Sept. 27.
Grinding and cut-off wheels and abrasives. A. P. de Sanno, Jr. 258,118, renewed June 26, 1949. O. G. Sept. 27.
Polish or dressing, Auto top. E. I. Du Pont de Nemours and Company. 264,324, renewed Nov. 26, 1949. O. G. Sept. 27.

CLASS 5

Adhesive, Semi-solid, plastic, non-silicate of soda. G. L. Phillips. 443,402, Sept. 27; Serial No. 515,679, published July 1, 1947.
Adhesives. National Starch Products Inc. 515,589, Sept. 27; Serial No. 539,340, published June 21, 1949.
Cement, All-purpose adhesive. Crag Products, Inc. 515,611, Sept. 27; Serial No. 542,539, published June 21, 1949.
Paste, Adhesive. The American Crayon Company. 263,078, renewed Oct. 29, 1949. O. G. Sept. 27.
Sheet material, Pressure-sensitive adhesive coated abrasion resistant. Minnesota Mining & Manufacturing Company. 515,733, Sept. 27; Serial No. 556,591, published June 14, 1949.
Sheets, tapes and appliques, Heat-reactive adhesive. Industrial Tape Corporation. 515,664, Sept. 27; Serial No. 549,149, published June 14, 1949.
Tile cement, under felt paste, cave base cements, etc. Sears, Roebuck and Co. 515,688, Sept. 27; Serial No. 550,442, published June 7, 1949.

CLASS 6

Alkaline compound. Wyandotte Chemicals Corporation. 515,561, Sept. 27; Serial No. 533,104, published May 31, 1949.
Antiseptic medicated skin preparation. C. Paulantonio. 515,741, Sept. 27; Serial No. 557,207, published June 14, 1949.
Antiseptics. Durex Products, Inc. 262,868, Oct. 29, 1929. Republished Sept. 27.
Astringents, beauty creams, cold creams, etc. C. E. Walton. 263,055, Oct. 29, 1929. Republished Sept. 27.
Baking powder and cream of tartar. A. Schilling & Co. 289,062, Nov. 17, 1931. Republished Sept. 27.
Bicarbonate of soda, and for flavoring salt. A. Schilling & Co. 292,974, Apr. 5, 1932. Republished Sept. 27.
Bleach, ammonia and bluing. Clover Farm Stores Corporation. 515,773, Sept. 27; Serial No. 562,764, published June 7, 1949.
Bleaching, bluing, and starching agent. The Stevens-Wiley Manfg. Co. Inc. 119,925, Dec. 18, 1917. Republished Sept. 27.
Brilliantine, cream cologne, face powder and lipstick. Consolidated Cosmetics. 515,780, Sept. 27; Serial No. 565,044, published June 7, 1949.
Calcium carbonate technical grade, Precipitated. West Virginia Pulp and Paper Company. 515,756, Sept. 27; Serial No. 559,400, published June 7, 1949.
Carbon dioxide, oxygen, etc. Walter Kidde & Company, Inc. 515,545, Sept. 27; Serial No. 526,658, published Feb. 1, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Carbon dioxide, oxygen, etc. Walter Kidde & Company, Inc. 515,546, Sept. 27; Serial No. 526,650, published May 3, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Chemical color indicators. G. L. Armour. 339,038, Sept. 22, 1936. Republished Sept. 27.
Chemical compounds for textiles, Finishing. American Aniline Products, Inc. 383,216, Nov. 26, 1940. Republished Sept. 27.
Chemical liquid or solid for use as a detergent, wetting agent, or dye assistant. Dexter Chemical Corporation. 515,722, Sept. 27; Serial No. 555,656, published June 14, 1949.
Chemical preparations. Diamond Alkali Company. 443,396, Sept. 27; Serial No. 510,491, published June 21, 1949.
Chemical refill unit. Everhot Chemical Corporation. 257,504, renewed June 11, 1949. O. G. Sept. 27.
Chemical substances. Fissan Limited. 515,642, Sept. 27; Serial No. 546,990, published June 21, 1949.
Chemicals derived from corn. Corn Products Refining Company. 515,795, Sept. 27; Serial No. 567,135, published June 14, 1949.
Chemo-therapeutic agent. Hoffmann-La Roche Inc. 515,767, Sept. 27; Serial No. 561,527, published May 31, 1949.
Cologne, toilet water, hair lotions, etc. A/S M. Aarsleff & Co. 515,721, Sept. 27; Serial No. 555,644, published June 14, 1949.

Condensate for wetting out and scouring textile fabrics, Fatty acid. Hass-Miller Corporation. 515,790, Sept. 27; Serial No. 566,930, published June 21, 1949.
Cosmetics. Elizabeth Arden, Inc. 261,968, renewed Sept. 24, 1949. O. G. Sept. 27.
Cosmetics. Marie Barker Company. 515,711, Sept. 27; Serial No. 553,257, published June 21, 1949.
Cough syrup. Happy Day Company, Inc. 414,770, June 26, 1945. Republished Sept. 27.
Cough syrup. R. J. Troutman. 515,783, Sept. 27; Serial No. 565,663, published June 21, 1949.
Developers and textile dyeing assistants. American Aniline Products, Inc. 417,228, Oct. 16, 1945. Republished Sept. 27.
Disinfectants. Morris Drug Co. 261,861, renewed Sept. 24, 1949. O. G. Sept. 27.
Dyeing assistants, Textile, and assistants in the developing of acetate developed blacks. American Aniline Products, Inc. 393,208, Jan. 27, 1942. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 333,076, Mar. 10, 1936. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 334,939–44, May 19, 1936. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 335,035, May 19, 1936. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 335,539, June 9, 1936. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 339,497, Oct. 13, 1936. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 346,724, June 8, 1937. Republished Sept. 27.
Dyestuffs. American Aniline Products, Inc. 422,932, Aug. 20, 1946. Republished Sept. 27.
Dyestuffs, Metalised and chromiferous. American Aniline Products, Inc. 423,085, Aug. 20, 1946. Republished Sept. 27.
Dyestuffs, Organic. American Aniline Products, Inc. 343,796, Mar. 9, 1937. Republished Sept. 27.
Eau de cologne. Bourjois, Inc. 515,788, Sept. 27; Serial No. 566,494, published June 21, 1949.
Escharotic preparation. Dr. Hess & Clark, Inc. 515,771, Sept. 27; Serial No. 562,263, published June 14, 1949.
Essential oils. Gerard J. Danco Inc. 515,752, Sept. 27; Serial No. 558,556, published June 14, 1949.
Face powder and talcum powder. Harriet Hubbard Ayer, Inc. 515,758, Sept. 27; Serial No. 559,895, published June 21, 1949.
Facial masking cream. H. J. Fischer. 515,531, Sept. 27; Serial No. 519,153, published June 14, 1949.
Fluxes, Chemical, and compressed gases. National Cylinder Gas Company. 515,792, Sept. 27; Serial No. 566,999, published June 21, 1949.
Hair-treating composition. The Nestle-Le Mur Company. 264,670, renewed Dec. 3, 1949. O. G. Sept. 27.
Hand cream. J. Strickland and Co. 515,593, Sept. 27; Serial No. 540,217, published June 7, 1949.
Hormone, Male sex. Horton & Converse. 515,521, Sept. 27; Serial No. 512,259, published Mar. 29, 1949.
Insecticides. Klaues-White. 515,782, Sept. 27; Serial No. 565,553, published June 21, 1949.
Insecticides and disinfectants. W. C. Parrott. 263,232, renewed Nov. 5, 1949. O. G. Sept. 27.
Lecithin and lecithin containing compounds. Enco Chemical Corporation. 515,622, Sept. 27; Serial No. 544,437, published June 21, 1949.
Lipstick and nail lacquer. Associated Products, Inc. 515,581, Sept. 27; Serial No. 537,961, published June 14, 1949.
Medical preparation. Dr. Hess & Clark, Inc. 515,770, Sept. 27; Serial No. 562,262, published June 14, 1949.
Medicinal compound. Seydel Chemical Company. 257,766, renewed June 18, 1949. O. G. Sept. 27.
Medicinal preparation. Eli Lilly and Company. 515,791, Sept. 27; Serial No. 566,945, published June 14, 1949.
Medicinal preparation. Dr. I. E. Scripture Company. 515,644, Sept. 27; Serial No. 547,285, published June 21, 1949.
Medicinal preparation. The Upjohn Company. 515,760, Sept. 27; Serial No. 560,069, published June 7, 1949.
Medicinal strengthening-plasters. Johnson & Johnson. 33,150, re-renewed June 27, 1949. O. G. Sept. 27.
Nail enamel, lipstick, face powder, cheek stick, and cake rouge. Revlon Products Corporation. 515,619, Sept. 27; Serial No. 544,197, published June 14, 1949.
Neutraliser fluid compound and highlight white compound. Kemart Corporation. 515,713, Sept. 27; Serial No. 554,125, published June 21, 1949.
Neutraliser fluid compound and highlight white compound. Kemart Corporation. 515,714, Sept. 27; Serial No. 554,130, published June 21, 1949.
Penicillin tablets. Schenley Laboratories, Inc. 515,793, Sept. 27; Serial No. 567,048, published June 21, 1949.
Perfume. Harriet Hubbard Ayer, Inc. 515,757, Sept. 27; Serial No. 559,894, published June 21, 1949.
Perfume. Harriet Hubbard Ayer, Inc. 515,759, Sept. 27; Serial No. 559,896, published June 21, 1949.
Perfume. Bourjois, Inc. 515,787, Sept. 27; Serial No. 566,493, published June 21, 1949.
Perfume lotion, Bath water. Pine-O-Pine Company of Texas. 515,794, Sept. 27; Serial No. 567,180, published June 21, 1949.
Perfumes, Excitement, Incorporated. 398,961, Dec. 8, 1942. Canceled. O. G. Sept. 27.
Perfumes, colognes, face powders, etc. Excitement, Incorporated. 400,149, Feb. 16, 1943. Canceled. O. G. Sept. 27.
Perfumes, colognes, perfume sticks, etc. Excitement, Incorporated. 411,552, Jan. 23, 1945. Canceled. O. G. Sept. 27.
Perfumes, toilet waters, sachet powder, etc. The La Valliere Company. 258,635, renewed July 9, 1949. O. G. Sept. 27.
Pharmaceutical and veterinary preparations and substances. S. A. Om Laboratoires. 515,694, Sept. 27; Serial No. 550,708, published June 7, 1949.
Pharmaceutical preparation. Reed & Carnrick. 515,796, Sept. 27; Serial No. 567,209, published June 21, 1949.
Pharmaceutical product. L. Durham. 515,728, Sept. 27; Serial No. 556,426, published May 31, 1949.
Pharmaceutical product. The Wm. S. Merrell Company. 515,776, Sept. 27; Serial No. 564,679, published June 7, 1949.
Phthalylsulfacetimide. Schering Corporation. 515,617, Sept. 27; Serial No. 543,839, published Sept. 28, 1948.
Preparation for application to the teeth. Laciede Laboratories, Inc. 515,764, Sept. 27; Serial No. 561,126, published June 14, 1949.
Preparation recommended for the treatment of headaches. Sandoz Chemical Works, Inc. 515,763, Sept. 27; Serial No. 560,660, published June 14, 1949.
Preparations for anemia, asthenia, etc. Carlo Erba Società Anonima. 515,544, Sept. 27; Serial No. 526,208, published June 14, 1949.
Prescriptions and pharmaceuticals. Bear Drug Company. 394,528, Apr. 14, 1942. Republished Sept. 27.
Procaine penicillin G. Cutter Laboratories. 515,781, Sept. 27; Serial No. 565,419, published June 21, 1949.
Remedy. Sharp & Dohme. 75,974, re-renewed Nov. 30, 1949. O. G. Sept. 27.
Remedy for calf scours. Lucky Calf Mfg. Co. 443,405, Sept. 27; Serial No. 519,021, published June 14, 1949.
Sedation tablets. The E. L. Patch Company. 515,753, Sept. 27; Serial No. 558,734, published May 31, 1949.
Silica gel. Mallinckrodt Chemical Works. 515,589, Sept. 27; Serial No. 523,402, published June 14, 1949.
Sodium sesquicarbonate. Allied Chemical & Dye Corporation. 515,754, Sept. 27; Serial No. 558,978, published June 21, 1949.
Solution for alleviating pain. Miller's Preparations Corp. 515,537, Sept. 27; Serial No. 522,224, published May 31, 1949.
Synthetic resin and compounds, Dried, and prepared toluene and/or xylene solutions, etc. Hartman-Leddon Company, Incorporated. 515,786, Sept. 27; Serial No. 566,228, published June 14, 1949.
Syrup for coughs. E. J. Collette. 515,766, Sept. 27; Serial No. 561,424, published June 21, 1949.
Tablet for hypertension, Red-coated. Brunswick Laboratories, Inc. 515,557, Sept. 27; Serial No. 532,681, published May 31, 1949.
Toilet water. Lanman & Kemp-Barclay & Co., Incorporated. 515,807, Sept. 27; Serial No. 573,954, published June 21, 1949.
Tonic for relief of heart trouble and diabetes. T. Schwartz. 515,743, Sept. 27; Serial No. 557,318, published June 14, 1949.
Vat dyes. American Aniline Products, Inc. 422,298, July 16, 1946. Republished Sept. 27.
Waterproofing and water-repelling agents. American Aniline Products, Inc. 369,565, Aug. 1, 1939. Republished Sept. 27.
Wetting out agent. Royce Chemical Company. 434,411, Nov. 18, 1947. Republished Sept. 27.
Wetting out agents. American Aniline Products, Inc. 335,034, May 19, 1936. Republished Sept. 27.
Wetting out agents. American Aniline Products, Inc. 339,498, Oct. 13, 1936. Republished Sept. 27.

CLASS 7

Rope, Wire. Hazard Wire Rope Company. 257,243, renewed June 4, 1949. O. G. Sept. 27.

CLASS 10

Fertilizer composition. E. G. Learnard. 515,765, Sept. 27; Serial No. 561,201, published May 10, 1949.

CLASS 11

Inks, Lithographing and printing. The Fuchs & Lang Manufacturing Co. 257,715, renewed June 18, 1949. O. G. Sept. 27.

CLASS 12

Bath unit, Portable. O. G. Mattheus. 515,586, Sept. 27; Serial No. 539,191, published June 14, 1949.
Blocks, Refractory. Corhart Refractories Company. 515,723, Sept. 27; Serial No. 555,736, published May 31, 1949.
Buildings, Steel industrial. Pacific Iron & Steel Co. 515,621, Sept. 27; Serial No. 544,376, published June 14, 1949.
Cement, Builders'. A. J. Snyder. 258,790, renewed July 16, 1949. O. G. Sept. 27.
Fire-brick. Harbison-Walker Refractories Company. 515,724, Sept. 27; Serial No. 555,930, published June 14, 1949.

Frames, Window, windows, and parts thereof. Curtis Companies incorporated. 515,670, Sept. 27; Serial No. 549,566, published May 31, 1949.
Mortar, Fire brick. Mexico Refractories Company. 515,607, Sept. 27; Serial No. 541,943, published June 14, 1949.
Panel, Composite wall. The Celotex Corporation. 443,411, Sept. 27; Serial No. 524,592, published May 31, 1949.
Panels, Architectural wall. Armstrong Cork Company. 515,623, Sept. 27; Serial No. 544,690, published May 31, 1949.
Panels, Prefabricated building. Stavinoer Corporation. 515,625, Sept. 27; Serial No. 527,453, published May 31, 1949.
Roofing, Aluminum and metal corrugated. Cheney Industries. 515,616, Sept. 27; Serial No. 543,783, published June 14, 1949.
Sashes, Aluminum window. Lewis & Owens Manufacturing Company, Inc. 515,751; Sept. 27; Serial No. 553,399, published June 14, 1949.
Sashes, doors, blinds, etc. Curtis Companies Incorporated. 515,669, Sept. 27; Serial No. 549,562, published June 7, 1949.
Screens, Complete window. The Roll-O-Matic Screen Company. 515,575, Sept. 27; Serial No. 535,262, published June 7, 1949.
Shingles, Bituminous composition. The Philip Carey Manufacturing Company. 515,730, Sept. 27; Serial No. 556,478, published May 31, 1949.
Shingles, roofing, and siding, Asphalt composition. Globe Roofing Products Co., Inc. 515,720, Sept. 27; Serial No. 555,601, published May 31, 1949.
Shingles, Wood. M. R. Smith Lumber & Shingle Company. 261,837, renewed Sept. 24, 1949. O. G. Sept. 27.
Tile, Plastic wall. Leathertone, Inc. 515,740, Sept. 27; Serial No. 557,141, published June 14, 1949.
Tiles and tileboard. National Tileboard Corp. 515,746, Sept. 27; Serial No. 558,154, published June 14, 1949.
Tiles, Flooring and wall. The Olean Tile Company, Inc. 232,732, renewed Oct. 22, 1949. O. G. Sept. 27.
Tiles, Pigmented composition. Congoleum-Nairn, Inc. 515,630, Sept. 27; Serial No. 545,342, published June 14, 1949.
Weather stripping, Rubberized fabric. Bridgeport Fabrics, Inc. 515,525, Sept. 27; Serial No. 514,175, published June 14, 1949.

CLASS 13

Anchors, Bolt. Star Expansion Bolt Company. 515,564, Sept. 27; Serial No. 533,629, published June 21, 1949.
Bellows of metal. Cook Electric Company. 515,534, Sept. 27; Serial No. 519,784, published June 14, 1949.
Bolts, Toggle. Star Expansion Bolt Company. 515,568–9, Sept. 27; Serial Nos. 533,633–4, published June 21, 1949.
Clips, Metal, and metal fasteners. Tinnerman Products, Inc. 515,682, Sept. 27; Serial No. 545,660, published June 7, 1949.
Cooking, kitchen, household, and hospital ware, Base metal. The Republic Stamping & Enameling Company. 515,527, Sept. 27; Serial No. 517,664, published June 14, 1949.
Cooking, kitchen, household, and hospital ware, Base metal. The Republic Stamping & Enameling Company. 515,528, Sept. 27; Serial No. 517,667, published June 14, 1949.
Dispensers, Soap, valves and tanks for dispensing soap. U. S. Sanitary Specialties Corporation. 515,614, Sept. 27; Serial No. 542,979, published June 21, 1949.
Door and wall rack. H. E. Matson. 515,685, Sept. 27; Serial No. 549,816, published June 14, 1949.
Fasteners, connectors, and attaching devices of various types. United-Carr Fastener Corporation. 515,518, Sept. 27; Serial No. 497,892, published June 21, 1949.
Faucets and valves. Twentieth Century Valve Corporation. 443,408, Sept. 27; Serial No. 521,837, published Apr. 5, 1949.
Fencing and gates therefor. Continental Steel Corporation. 515,624, Sept. 27; Serial No. 545,086, published May 31, 1949.
Fencing and gates therefor. Continental Steel Corporation. 515,626, Sept. 27; Serial No. 545,088, published June 7, 1949.
Fencing, Metallic. Anchor Post Fence Company. 443,393, Sept. 27; Serial No. 481,686, published Oct. 5, 1948.
Fittings, Metal tube. Chicago Forging & Manufacturing Co. 409,832. Oct. 10, 1944. Republished Sept. 27.
Fixtures, Bathroom. C. F. Church Mfg. Co. 515,705, Sept. 27; Serial No. 551,943, published June 21, 1949.
Fixtures, Bathroom. C. F. Church Mfg. Co. 515,706, Sept. 27; Serial No. 551,947, published June 21, 1949.
Guards, Screen door. C. R. Nagel. 515,704, Sept. 27; Serial No. 551,731, published June 7, 1949.
Hardware, Cabinet. American Cabinet Hardware Corporation. 515,717–18, Sept. 27; Serial Nos. 554,351–2, published June 21, 1949.
Nails. Continental Steel Corporation. 515,627, Sept. 27; Serial No. 545,094, published May 31, 1949.
Plates, Anchor, wall cleats, stays and staples. Signode Steel Strapping Company. 515,659, Sept. 27; Serial No. 548,866, published June 21, 1949.
Plug-cocks. Merco Nordstrom Valve Company. 261,926, renewed Sept. 24, 1949. O. G. Sept. 27.
Rods, Metal curtain, drapery hardware and window shade hardware. Kenney Manufacturing Company. 515,684, Sept. 27; Serial No. 549,810, published June 21, 1949.
Rods, Metal curtain, drapery hardware, and window shade hardware. Kenney Manufacturing Company. 515,703, Sept. 27; Serial No. 551,713, published June 7, 1949.
Saddles, Pipe. Steel Forgings, Inc. 515,646, Sept. 27; Serial No. 547,676, published June 21, 1949.
Screws, Cap. The Ferry Cap & Set Screw Company. 515,530, Sept. 27; Serial No. 518,719, published June 21, 1949.
Screws, nuts, and bolts. Tritest Screw Products Corp. 515,696, Sept. 27; Serial No. 550,968, published June 21, 1949.
Shields, Expansion. Star Expansion Bolt Company. 515,565–7, Sept. 27; Serial Nos. 533,630–2, published June 21, 1949.
Sprinklers, Lawn. M. J. Moran. 515,615, Sept. 27; Serial No. 543,510, published June 7, 1949.
Strainers, Liquid. Buffalo Meter Company. 515,667, Sept. 27; Serial No. 549,360, published June 21, 1949.
Strapping, Package, bundle and load binding; anchor plates, wall cleats, etc. Signode Steel Strapping Company. 515,660, Sept. 27; Serial No. 548,869, published June 21, 1949.
Valves, Air-release, vacuum valves, rate-of-flow controllers, etc. Simplex Valve & Meter Company. 266,770, Feb. 4, 1930. Republished Sept. 27.
Valves for installation on liquid-transmission lines, Air-release. Buffalo Meter Company. 515,668, Sept. 27; Serial No. 549,361, published June 21, 1949.
Vases, Cemetery flower. Meierjohan-Wengler Co. 515,635, Sept. 27; Serial No. 545,809, published June 21, 1949.
Washers, Metal, and lock washers, lawn sprinklers, etc. Red Devil Tools. 515,716, Sept. 27; Serial No. 554,156, published June 14, 1949.
Wire, Barbed. Continental Steel Corporation. 515,625, Sept. 27; Serial No. 545,087, published May 31, 1949.
Wire, Barbed, and wire fence. Continental Steel Corporation. 515,628, Sept. 27; Serial No. 545,097, published May 31, 1949.

CLASS 14

Metallic alloy in paste form. R. M. Hollingshead Corporation. 515,808, Sept. 27; Serial No. 577,575, published July 5, 1949.

CLASS 15

Gasoline. G. L. Armour. 339,037, Sept. 22, 1936. Republished Sept. 27.
Greases, Valve lubricating, lubricating oils and solid lubricating compounds in stick or bulk form. Rockwell Manufacturing Company. 515,515, Sept. 27; Serial No. 487,139, published June 14, 1949.
Oil and grease, Lubricating, fuel oil, burning oil, and naphtha. The Pure Oil Company. 515,550, Sept. 27; Serial No. 527,855, published June 21, 1949.
Oil, Clear penetrating; detergent type motor lubricating oil; door hinge lubricating grease; etc. Sun Oil Company. 443,401, Sept. 27; Serial No. 513,694, published June 21, 1949.
Oil, General lubricating. Sinclair Refining Company. 264,843, renewed Sept. 10, 1949. O. G. Sept. 27.
Oil, Lubricating. Babson Bros. Co. 515,737, Sept. 27; Serial No. 557,004, published May 31, 1949.
Oil, Lubricating, and penetrating oil. The Goodyear Tire & Rubber Company. 515,729, Sept. 27; Serial No. 556,437, published June 21, 1949.
Oil, Motor lubricating. Corn Belt Oil Company. 515,592, Sept. 27; Serial No. 540,177, published June 21, 1949.
Oils and greases for automobile lubrication. The Warren Refining & Chemical Company. 262,268, renewed Oct. 1, 1949. O. G. Sept. 27.
Oils and greases, Lubricating. A. G. Meier. 515,831, Sept. 27; Serial No. 519,674.
Oils and greases, Lubricating. Sinclair Refining Company. 515,701, Sept. 27; Serial No. 551,325, published June 14, 1949.
Oils and greases, Lubricating, gasoline, kerosene. The Hancock Oil Company of California. 443,409, Sept. 27; Serial No. 522,480, published June 21, 1949.
Oils, Hydrocarbon burning, illuminating oil and kerosene. The Pure Oil Company. 515,549, Sept. 27; Serial No. 527,287, published June 21, 1949.
Oils, Lubricating. Sinclair Refining Company. 515,700, Sept. 27; Serial No. 551,323, published June 21, 1949.
Oils, Mineral lubricating. The Pure Oil Company. 515,547, Sept. 27; Serial No. 526,831, published June 21, 1949.
Oils, Quenching and tempering. E. F. Houghton & Co. 515,719, Sept. 27; Serial No. 555,412, published June 21, 1949.
Wax, grease and oil, Lubricating. Ryerson Oil Co., Inc. 515,761, Sept. 27; Serial No. 560,227, published June 21, 1949.

CLASS 16

Cleaning and polishing preparations, Combined. C. M. Stinson. 443,400, Sept. 27; Serial No. 513,693, published June 21, 1949.
Cleansing and waxing preparation. Carsolite Corporation. 515,699, Sept. 27; Serial No. 551,162, published June 7, 1949.

Coating in the nature of a paint product, Liquid waterproofing. Vita-Var Corporation. 443,392, Sept. 27; Serial No. 474,561, published July 20, 1948.
Coloring materials. Produits Chimiques de Liege. 515,605, Sept. 27; Serial No. 541,701, published June 7, 1949.
Derivatives, Sand, and compositions composed principally of sand derivatives, used in making paints, pigments, glazes, etc. Orefraction Incorporated. 443,412, Sept. 27; Serial No. 525,020, published June 7, 1949.
Enamels, Baking and paint, paste and liquid paints, etc. Gilmore & Nolan, Inc. 515,553, Sept. 27; Serial No. 530,188, published June 7, 1949.
Enamels, Paint, varnishes and ready mixed paints. Pittsburgh Plate Glass Company. 515,725, Sept. 27; Serial No. 556,024, published June 21, 1949.
Paint. Alston-Lucas Paint Co. 515,709, Sept. 27; Serial No. 552,730, published May 31, 1949.
Paint, Enamel. Keystone Varnish Company. 90,346, Feb. 18, 1913. Republished Sept. 27.
Paint, Enamel. Le Ripolin (Société Anonyme Francaise de Peintures laquées et d'enduits sous-marins, procedes, Lefranc & Breigleb réunis). 74,929, re-renewed Aug. 17; 1949. O. G. Sept. 27.
Paint, Interior flat wall. Phelan-Faust Paint Mfg. Co. 515,563, Sept. 27; Serial No. 533,357, published May 31, 1949.
Paint products. Sapolin Co. Inc. 261,295, renewed Sept. 17, 1949. O. G. Sept. 27.
Paint, varnish, and lacquer. Seidlits Paint & Varnish Company. 515,595, Sept. 27; Serial No. 540,323, published June 21, 1949.
Paints and paint enamels, Prepared. E. I. du Pont de Nemours and Company. 262,589, renewed Oct. 29, 1949. O. G. Sept. 27.
Paints and wall surface sealers, Interior. Blue Ribbon Paint Company. 515,597, Sept. 27; Serial No. 540,372, published May 3, 1949.
Paints, epamels, varnishes, etc., Ready-mixed. International Paint Company, Inc. 515,738, Sept. 27; Serial No. 557,041, published June 21, 1949.
Paints, enamels, varnishes, etc., Ready-mixed. International Paint Company, Inc. 515,739, Sept. 27; Serial No. 557,043, published June 21, 1949.
Paints; varnishes; paint enamels; lacquers, etc. W. W. Lawrence & Company. 515,585, Sept. 27; Serial No. 538,787, published June 7, 1949.
Preparation of carbon black, resin and solvent. Binney & Smith Company. 515,687, Sept. 27; Serial No. 550,113, published May 31, 1949.
Remover, Paint and varnish. Republic Paint & Varnish Co. 515,601, Sept. 27; Serial No. 540,877, published June 7, 1949.
Resinous plastic solution. Staipic Coating Corporation. 515,535, Sept. 27; Serial No. 520,652, published June 21, 1949.
Varnish. Keystone Varnish Company. 91,774, May 27, 1913. Republished Sept. 27.
Varnish. Keystone Varnish Company. 109,539, Apr. 11, 1916. Republished Sept. 27.
Varnish extender. Edward Smith & Co., Inc. 515,662, Sept. 27; Serial No. 549,023, published June 7, 1949.
Wall finish, Plastic. Morris Paint & Varnish Co. 515,600, Sept. 27; Serial No. 540,695, published June 21, 1949.
Wax, Floor. Gerts and Cook, Inc. 515,579, Sept. 27; Serial No. 537,448, published June 21, 1949.

CLASS 21

Air purifying apparatus, Electric-ozonizer. American Associates, Inc. 515,678, Sept. 27; Serial No. 549,691, published June 21, 1949.
Batteries, Electric storage. American Battery Mfg. Company. 515,556, Sept. 27; Serial No. 532,088, published June 7, 1949.
Blankets, Electric. Sears, Roebuck and Co. 515,690, Sept. 27; Serial No. 550,615, published June 7, 1949.
Brazing, welding, and soldering equipment, Electrical. Ideal Industries, Inc. 515,533, Sept. 27; Serial No. 519,662, published June 21, 1949.
Cleaning and conditioning apparatus. Westinghouse Electric Corporation. 515,594, Sept. 27; Serial No. 540,222, published June 7, 1949.
Connectors and connector forming blanks, Electrical. Aircraft-Marine Products Inc. 515,577, Sept. 27; Serial No. 536,211, published June 21, 1949.
Cookers, Electrically heated, thermostatically-controlled kettle-type stock food. W. H. Foster. 515,834, Sept. 27; Serial No. 558,488.
Electric apparatus, Flame actuated, etc. Walter Kidde & Company, Inc. 515,545, Sept. 27; Serial No. 526,693, published Mar. 15, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Electric apparatus, Flame actuated, etc. Walter Kidde & Company, Inc. 515,546, Sept. 27; Serial No. 526,695, published May 3, 1949. Consolidated certificate. Classes 2, 6, 21, 23, and 26.
Electrical apparatus. The Leece-Neville Company. 515,558, Sept. 27; Serial No. 532,834, published June 7, 1949.
Electrical apparatus. Magnecon. 443,398, Sept. 27; Serial No. 513,064.
Engraving and cutting implements, Portable electric. Burgess Battery Company. 515,551, Sept. 27; Serial No. 527,974, published June 14, 1949.
Grinders, Portable electric hand operated, etc. John Oster Manufacturing Company. 515,517, Sept. 27; Serial No. 532,863, published Jan. 18, 1949. Consolidated certificate, Classes 21, 23, and 44.
Insulators of glass, Electrical. Armstrong Cork Company. 515,543, Sept. 27; Serial No. 524,932, published June 14, 1949.
Mixer, Electrically driven. Premier Industries Corporation. 515,707, Sept. 27; Serial No. 552,163, published June 7, 1949.
Motors and parts thereof, etc., Electric. The Master Electric Company. 156,704, July 11, 1922. Republished Sept. 27.
Plugs, Electrical attachment. Waterbury Companies, Incorporated. 515,702, Sept. 27; Serial No. 551,419, published June 21, 1949.
Projectors, Combined electrical and mechanical advertising display. Animation, Inc. 443,403, Sept. 27; Serial No. 516,595, published Feb. 24, 1948.
Receivers and parts thereof, Radio, electric phonographs and parts thereof, and dry cell batteries. Westinghouse Electric Corporation. 515,832, Sept. 27; Serial No. 528,664.
Receivers, Television. Industrial Television, Inc. 515,643, Sept. 27; Serial No. 547,125, published June 21, 1949.
Receivers, Television. United States Television Manufacturing Corporation. 515,612, Sept. 27; Serial No. 542,702, published June 7, 1949.
Receiving and transmitting sets and parts thereof and therefor, Radio. Sentinel Radio Corporation. 515,636, Sept. 27; Serial No. 546,062, published June 14, 1949.
Receiving and transmitting sets, radio tubes, and parts, Radio. Reinhard Brothers Company. 515,520, Sept. 27; Serial No. 508,390, published June 7, 1949.
Receiving sets, Radio, and radio phonograph combination sets. The Magnavox Company. 515,599, Sept. 27; Serial No. 540,545, published June 14, 1949.
Records, Magnetic sound, and electric sound recording apparatus. Damon Recording Studios, Inc. 515,620, Sept. 27; Serial No. 544,333, published June 14, 1949.
Roasters, Electric coffee. A. S. Torres. 443,394, Sept. 27; Serial No. 499,926, published June 21, 1949.
Sheet materials, Silicon steel. The American Rolling Mill Company. 515,529, Sept. 27; Serial No. 517,811, published June 14, 1949.
Signal lights, Electrically operated. The E. W. Carpenter Manufacturing Company. 515,712, Sept. 27; Serial No. 553,467, published June 7, 1949..
Signs, Electrically-illuminated display and advertising. Copley Appliance Company. 515,691, Sept. 27; Serial No. 550,674, published June 21, 1949.
Sockets, Electric switch, electric switch porcelain brackets, and other electric switch mechanisms, etc. McGill Manufacturing Company, Inc. 515,674, Sept. 27; Serial No. 549,560, published June 14, 1949.
Staples, Insulated saddle. The Superior Manufacturing Company. 515,639, Sept. 27; Serial No. 546,625, published June 14, 1949.
Studs, Fixture. Kwikon Company. 515,552, Sept. 27; Serial No. 528,934, published June 7, 1949.
Timing motor and component parts thereof, Electrical synchronous. The Bristol Motor Company. 515,576, Sept. 27; Serial No. 535,380, published June 7, 1949.
Vacuum cleaners and accessories and attachments therefor, Electrically driven. Lewyt Corporation. 515,526, Sept. 27; Serial No. 516,776, published June 7, 1949.

CLASS 22

Fish gaffs. O. A. Norlund. 194,821, Feb. 10, 1925. Republished Sept. 27.
Fish lures, Artificial. Tuway Fish Lure Co. 515,829, Sept. 27; Serial No. 507,441.
Golf balls. General Sports, Inc. 354,164, Feb. 1, 1938. Republished Sept. 27.

CLASS 23

Clippers, Hand operated hair. John Oster Manufacturing Company. 515,517, Sept. 27; Serial No. 532,862, published Jan. 11, 1949. Consolidated certificate, Classes 21, 23, and 44.
Cutlery. The Clyde Cutlery Company. 264,469, renewed Nov. 26, 1949. O. G. Sept. 27.
Distributors, Insecticide. Eureka Vacuum Cleaner Company. 262,329, Oct. 8, 1929. Republished Sept. 27.
Fire extinguishers, etc., Portable hand. Walter Kidde & Company, Inc. 515,545, Sept. 27; Serial No. 523,814, published June 28, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Fire extinguishers, Portable hand, etc. Walter Kidde & Company, Inc. 515,546, Sept. 27; Serial No. 523,815, published Apr. 12, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.
Forks and hoes, Agricultural and similar. Withington & Cooley Manufacturing Company. 68,157, Mar. 10, 1908. Republished Sept. 27.
Forks, rakes, and hoes, Agricultural. American Fork & Hoe Company. 67,688, Feb. 11, 1908. Republished Sept. 27.
Hoes. Withington & Cooley Manufacturing Company. 67,882, Feb. 25, 1908. Republished Sept. 27.
Hoists or cranes, Portable. Silent Hoist Winch and Crane Co. 342,056, Dec. 29, 1936. Canceled. O. G. Sept. 27.

Shovels, spades and scoops. The Pittsburgh Shovel Company. 264,435, renewed Nov. 26, 1949. O. G. Sept. 27.

CLASS 24

Washing machines and parts thereof. One Minute Washer Company. 359,448, Aug. 23, 1938. Republished Sept. 27.

CLASS 25

Locks, Attachable and adjustable all-purpose type. E. H. White. 416,655, Sept. 25, 1945. Republished Sept. 27.

CLASS 26

Actuators, Submersion. Walter Kidde & Company, Inc. 515,545, Sept. 27; Serial No. 526,692, published June 7, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.

Actuators, Submersion. Walter Kidde & Company, Inc. 515,546, Sept. 27; Serial No. 526,694, published June 7, 1949. Consolidated certificate, Classes 2, 6, 21, 23, and 26.

Cameras. Lawrence Engineering Service. 378,895, June 25, 1940. Republished Sept. 27.

Lens shades, filter mounts, extension tubes, Photographic, etc. Tiffen Manufacturing Corporation. 515,830, Sept. 27; Serial No. 518,991.

Photographic paper, Light-sensitive. Eastman Kodak Company. 260,554, renewed Aug. 27, 1949. O. G. Sept. 27.

CLASS 27

Clocks. Nutone, Inc. 515,695, Sept. 27; Serial No. 550,824, published June 14, 1949.

Watches. P. Wyler. 515,726, Sept. 27; Serial No. 556,303, published June 14, 1949.

Watches. Zell Brothers Inc. 361,436, Oct. 18, 1939. Republished Sept. 27.

Watches and clocks. Ollendorff Watch Co., Inc. 515,747, Sept. 27; Serial No. 558,157, published June 14, 1949.

Watches and clocks. Ollendorff Watch Co., Inc. 515,748–9, Sept. 27; Serial No. 558,159–60, published June 14, 1949.

Watches and parts of watches. Fabrique d'Horlogerie Rayville S. A. 515,727, Sept. 27; Serial No. 556,328, published June 14, 1949.

Watches and parts thereof. Biedermann Montres Nova Freres, S. A. 515,542, Sept. 27; Serial No. 523,789, published June 14, 1949.

Watches, Men's and ladies'. Bulova Watch Company, Inc. 515,540, Sept. 27; Serial No. 523,759, published June 14, 1949.

Watches, Men's and ladies'. Bulova Watch Company, Inc. 515,541, Sept. 27; Serial No. 523,763, published June 14, 1949.

Watches, watch cases, watch movements and parts thereof. L. Adels Company. 515,570–1, Sept. 27; Serial Nos. 534,076–7, published June 14, 1949.

Watches, watch movements, and parts of watches. The Ball Company. 515,755, Sept. 27; Serial No. 558,993, published June 14, 1949.

CLASS 28

Bags, Link-mesh, jewel boxes, jewel cases, etc. Morris, Mann & Reilly, Inc. 515,710, Sept. 27; Serial No. 553,122, published June 14, 1949.

Flatware, hollow ware, and cutlery, Silverplated. Oneida Community Limited. 247,949, Oct. 9, 1928. Republished Sept. 27.

Hollow-ware, Silverplated. The International Silver Company. 515,514, Sept. 27; Serial No. 485,445, published June 14, 1949.

Jewelry. Bardach Bros. Inc. 515,633, Sept. 27; Serial No. 545,686, published June 14, 1949.

Leather and fabric articles. Hamilton Watch Company. 443,413, Sept. 27; Serial No. 525,590, published June 14, 1949.

Rings, Finger. Granat Bros., Inc. 515,613, Sept. 27; Serial No. 542,930, published June 14, 1949.

Sapphire, Synthetic, synthetic ruby, and synthetic spinel. The Linde Air Products Company. 443,395, Sept. 27; Serial No. 500,232, published June 14, 1949.

CLASS 29

Brushes. Cheelan Brush Company, Inc. 515,772, Sept. 27; Serial No. 562,446, published June 7, 1949.

Brushes, brooms and floor mops. Ox Fibre Brush Company, Inc. 515,634, Sept. 27; Serial No. 545,763, published June 7, 1949.

Mops and dusters. O-Cedar Corp'n. 515,608, Sept. 27; Serial No. 542,231, published June 14, 1949.

Mops, Polishing and dusting. Hall Hardware Company. 351,320, Oct. 26, 1937. Republished Sept. 27.

CLASS 32

Cases, storage boxes, Metal filing. All-Steel-Equip Company. 381,022, Sept. 10, 1940. Republished Sept. 27.

Mattresses. Cleveco Bedding Co. 373,760, Dec. 19, 1939. Republished Sept. 27.

Mattresses, box springs, studio couches, and pillows. Sleepmaster Products Company. 391,256, Oct. 28, 1941. Republished Sept. 27.

Pillows and window shades. M. H. Goldenberg. 255,628, Apr. 30, 1929. Republished Sept. 27.

CLASS 33

Glass, Mechanically-drawn window. Comptoir General Belge pour la vente des verres mecaniques Fourcault Société Anonyme. 258,151, renewed June 25, 1949. O. G. Sept. 27.

CLASS 34

Air conditioning apparatus. American Blower Corporation. 515,809, Sept. 27; Serial No. 484,657, published May 31, 1949.

Air conditioning units, Oil, gas and coal fired. Thatcher Furnace Company. 515,574, Sept. 27; Serial No. 535,099, published June 14, 1949.

Air distributing apparatus. The Pyle-National Company. 515,658, Sept. 27; Serial No. 548,840, published May 31, 1949.

Coils, Hot water. Fitzgibbons Boiler Company, Inc. 515,652, Sept. 27; Serial No. 548,355, published June 7, 1949.

Fans, Ventilating. G. C. Plumley. 515,519, Sept. 27; Serial No. 507,338, published June 14, 1949.

Flares, Oil burning. Doray Lamp Co., Inc. 515,744, Sept. 27; Serial No. 557,440, published May 31, 1949.

Furnaces, boilers, water heaters, etc. The Timken-Detroit Axle Company. 515,555, Sept. 27; Serial No. 531,547, published May 31, 1949.

Furnaces, Gas, oil, coal or coke burning. Fitzgibbons Boiler Company, Inc. 515,655, Sept. 27; Serial No. 548,811, published June 7, 1949.

Heaters, Bath room. The Philip Carey Manufacturing Company. 515,736, Sept. 27; Serial No. 556,778, published May 31, 1949.

Heaters, ducts, and metal attachments, Bath room wall. The Philip Carey Manufacturing Company. 515,735, Sept. 27; Serial No. 556,771, published May 31, 1949.

Heaters, Gas water. Familian-Silver Co. 264,817, renewed Dec. 10, 1949. O. G. Sept. 27.

Heaters, Gas water, and combination boilers. John Wood Manufacturing Company, Inc. 515,671, Sept. 27; Serial No. 549,403, published June 7, 1949.

Heaters, Hot water. Holyoke Heater Corporation. 515,590, Sept. 27; Serial No. 539,700, published May 10, 1949.

Heaters, Water, boilers, furnaces, etc. Hesco Corporation. 515,750, Sept. 27; Serial No. 558,301, published June 14, 1949.

Hotplates and cook stoves. Meynell Manufacturing Company. 515,732, Sept. 27; Serial No. 556,590, published May 31, 1949.

Manufacturing equipment, Gas. Wilputte Coke Oven Corporation. 515,583, Sept. 27; Serial No. 538,480, published May 31, 1949.

Outlets, Ceiling. Barber-Colman Company. 515,554, Sept. 27; Serial No. 530,912, published May 31, 1949.

Shields, Radiator. K. Drlica. 515,588, Sept. 27; Serial No. 539,292, published June 7, 1949.

Stoves, ranges and barbecue grills. Ohio Stove Company. 443,410, Sept 27; Serial No. 523,694, published May 31, 1949.

Torches, Oxy-acetylene welding, cutting torches, lead burning torches, etc. The Smithweld Company. 515,602, Sept. 27; Serial No. 541,210, published May 31, 1949.

Ventilators and parts thereof, Revolving, ventilating hoods, and chimney hoods. R. S. Brown Manufacturing Company, Inc. 515,604, Sept. 27; Serial No. 541,508, published May 31, 1949.

CLASS 37

Chalk crayon. The American Crayon Company. 261,339, renewed Sept. 17, 1949. O. G. Sept. 27.

Files for correspondence and papers. The Cooke & Cobb Company. 224,596, Mar. 1, 1927. Republished Sept. 27.

CLASS 38

Cartoons, Series of. F. Fox. 150,371, Jan. 3, 1922. Republished Sept. 27.

Magazine. American Automobile Association Publishing Company. 118,132, Aug. 21, 1917. Republished Sept. 27.

Magazine. House Furnishing Review Company. 259,931, Aug. 13, 1929. Republished Sept. 27.

Magazine. School Management, Inc. 329,270, Oct. 22, 1935. Republished Sept. 27.

Maps, pamphlets, books, Printed. American Automobile Association. 155,189, May 23, 1922. Republished Sept. 27.

Periodical. Dell Publishing Company, Inc. 262,634, renewed Oct. 15, 1949. O. G. Sept. 27.

Publication. The Parents' Institute, Inc. 349,350, Aug. 24, 1937. Republished Sept. 27.

Publication. The Parents' Institute, Inc. 370,271, Aug. 22, 1939. Republished Sept. 27.

Publication, Periodical. Golf and Lawn Supply Corporation. 380,672, Aug. 27, 1940. Republished Sept. 27.

CLASS 39

Bathing suits. The Piqua Hosiery Co. 261,749, Sept. 24, 1929. Republished Sept. 27.

Cloths, napkins, towels, etc., Cotton plain and figured damask. John S. Brown & Sons Limited. 119,226, Nov. 6, 1917. Republished Sept. 27.

Coats, top coats, Ladies' and gents' rain-proof, men's and youths' suits, and sport clothing. Cohen & Wilks, Limited. 250,336, Dec. 4, 1928. Republished Sept. 27.

Coats, vests, trousers, knickerbockers, etc. Rodes-Rapier Co., Inc. 298,369, Oct. 25, 1932. Republished Sept. 27.

Coats, Women's, men's and women's hosiery, suits, shoes, etc. Ernst Seidelmann Corporation. 515,580, Sept. 27; Serial No. 537,945, published Mar. 29, 1949. Consolidated certificate, classes 39 and 42.

Frocks for women, misses and children, Cotton. Modern Manufacturing Co., Inc. 356,129, Apr. 12, 1938. Republished Sept. 27.

Frocks, gowns, and dresses, Ladies' and juniors' Thomas Posner & Bro. 278,629, Dec. 23, 1930. Republished Sept. 27.

Handkerchiefs. Douglas & Green, Inc. 257,341, renewed June 4, 1949. O. G. Sept. 27.

Handkerchiefs. The Manhattan Shirt Company. 327,472, Aug. 27, 1935. Republished Sept. 27.

Hats, Ladies'. Chesterfield Hat Corporation. 348,418, July 27, 1937. Republished Sept. 27.

Hosiery. W. Alsberg. 75,876, renewed Nov. 2, 1949. O. G. Sept. 27.

Hosiery. Goldenberg's. 256,424, May 14, 1929. Republished Sept. 27.

Hosiery. The May Department Stores Company. 253,957, Mar. 12, 1929. Republished Sept. 27.

Hosiery. Miller-Smith Hosiery Mills. 262,393, renewed Oct. 8, 1949. O. G. Sept. 27.

Overalls and one-piece work and play suits. The H. D. Lee Mercantile Company. 248,679, Oct. 30. 1928. Republished Sept. 27.

Sacques, sweaters, caps, etc., Infants' and children's. S. Kaufman. 254,306, renewed Mar. 19, 1949. O. G. Sept. 27.

Shirts, drawers, and union suits. The Manhattan Shirt Company. 106,644, Oct. 26, 1915. Republished Sept. 27.

Shirts for sport wear, Men's outer. The Manhattan Shirt Company. 267,631, Feb. 25, 1930. Republished Sept. 27.

Shirts, Outer, dress shirts, collars, etc. The Manhattan Shirt Company. 189,514, Sept. 23, 1924. Republished Sept. 27.

Shoes, Ladies' and misses'. Avon Shoe Co. Inc. 407,233, May 23, 1944. Republished Sept. 27.

Suits, overcoats, topcoats, etc., Men's, boys', and youths'. Kresge Department Store Corporation. 264,659, renewed Dec. 3, 1949. O. G. Sept. 27.

Underwear for men, Textile. The Manhattan Shirt Company. 221,071, Nov. 23, 1926. Republished Sept. 27.

CLASS 40

Applique work. Sweeney and Kephart. 515,524, Sept. 27; Serial No. 513,592, published May 24, 1949.

Braid for women's and children's hats and hat bodies. Merrimac Hat Corporation. 515,799–800, Sept. 27; Serial Nos. 567,986–7, published June 7, 1949.

Braid for women's and children's hats and hat bodies. Merrimac Hat Corporation. 515,801, Sept. 27; Serial No. 567,991, published June 7, 1949.

Buckles. Hickok Manufacturing Co. Inc. 515,573, Sept. 27; Serial No. 534,779, published May 10, 1949.

Buckles. Pioneer Suspender Company. 515,516, Sept. 27; Serial No. 491,283, published May 17, 1949.

Bust forms. Chesterman-Leeland Co. 515,778, Sept. 27; Serial No. 564,986, published May 17, 1949.

Buttons not made of precious metal. H. Goodman. 515,785, Sept. 27; Serial No. 566,133, published June 7, 1949.

Combs, barrettes, hair rolls, and hair curlers. Tilton & Cook Co. 515,806, Sept. 27; Serial No. 572,610, published June 14, 1949.

Combs in the nature of barrettes. D. L. Truman. 515,769, Sept. 27; Serial No. 562,164, published June 7, 1949.

Combs, Pocket. Standard Sales Co. 515,802, Sept. 27; Serial No. 568,088, published June 7, 1949.

Dresser sets. Astor-Ramel Mfg. Co., Inc. 515,777, Sept. 27; Serial No. 564,705, published May 17, 1949.

Dresser sets. Astor-Ramel Mfg. Co., Inc. 515,779, Sept. 27; Serial No. 565,034, published May 17, 1949.

Fasteners and pins, Garment. Regal Thread and Notion Co., Inc. 443,399, Sept. 27; Serial No. 513,336, published May 24, 1949.

Hair wavers and hair curlers, Non-electrical. Mervin Wave Clip Co., Inc. 515,774, Sept. 27; Serial No. 563,205, published May 24, 1949.

Pads, Shoulder. R. G. Barry Corporation. 515,532, Sept. 27; Serial No. 519,250, published May 24, 1949.

Piping for shoes. United Stay Company, Inc. 515,637, Sept. 27; Serial No. 546,333, published June 14, 1949.

Ribbons used for seam binding of wearing apparel. Lawrence Schiff Silk Mills. 515,533, Sept. 27; Serial No. 555,454.

Seambinding. Sheltex Manufacturing Co. 515,784, Sept. 27; Serial No. 566,106, published May 24, 1949.

Shields, Dress. McCrory Stores Corporation. 515,803, Sept. 27; Serial No. 569,388, published May 24, 1949.

Tape and cord, Venetian blind, and awning braid and awning tape. International Braid Company (1947). 515,693, Sept. 27; Serial No. 550,700, published May 10, 1949.

Tape, Bias binding. Creed & Stewart, Ltd. 515,789, Sept. 27; Serial No. 566,693, published May 24, 1949.

CLASS 42

Cloths, napkins, towels, etc., Cotton plain and figured damask. John S. Brown & Sons Limited. 119,226, Nov. 6, 1917. Republished Sept. 27.

Dress goods in the piece. Ernst Seidelmann Corporation. 515,580, Sept. 27; Serial No. 537,944, published Oct. 19, 1948. Consolidated certificate, Classes 39 and 42.

Fabrics, Plastic coated textile. Columbus Coated Fabrics Corporation. 442,702, May 17, 1949. Republished Sept. 27.

Fabrics, Woolen. Worumbo Manufacturing Company. 264,106, renewed Nov. 19, 1949. O. G. Sept. 27.

Goods in the piece, Finished cotton, silk, or mixed silk and cotton. Bear Mill Manufacturing Company, Inc. 257,463, renewed June 11, 1949. O. G. Sept. 27.

Piece goods. M. Weiner. 426,297, Dec. 24, 1946. Republished Sept. 27.

Piece goods, Spun synthetic fiber. Bliss, Fabyan & Co., Inc. 348,481, July 27, 1937. Republished Sept. 27.

Shirtings and colored woven mercerized shirtings, Dyed and mercerized. David & John Anderson, Limited. 262,977, renewed Oct. 29, 1949. O. G. Sept. 27.

CLASS 43

Thread. The American Thread Company. 508,734, Apr. 19, 1949. Corrected. O. G. Sept. 27.

CLASS 44

Athletic supporters. Fred Hurtley, Limited. 443,407, Sept. 27; Serial No. 520,508, published June 7, 1949.

Dental hand pieces and replacement parts therefor. Bur Dent Manufacturing Company. 515,745, Sept. 27; Serial No. 557,825, published June 7, 1949.

Esthetic fibrous additive. Cosmos Dental Products, Inc. 515,641, Sept. 27; Serial No. 546,957, published June 7, 1949.

Forehead bands for headache relief. M. Hörnés. 515,781, Sept. 27; Serial No. 556,581, published June 7, 1949.

Hair dryers, Electric, etc. John Oster Manufacturing Company. 515,517, Sept. 27; Serial No. 493,390, published Apr. 12, 1949. Consolidated certificate, Classes 21, 23, and 44.

Hearing aid accessory. Telex, Inc. 515,596, Sept. 27; Serial No. 540,340, published June 7, 1949.

Incubators, Infant. Air-Shields, Inc. 515,610, Sept. 27; Serial No. 542,499, published June 7, 1949.

Kit for use in home permanent wave. Standard Laboratories, Inc. 515,661, Sept. 27; Serial No. 548,876, published May 31, 1949.

Sanitary napkins. Diana Manufacturing Co. 515,523, Sept. 27; Serial No. 512,651, published June 7, 1949.

Separating material for application to dental molds. Cosmos Dental Products, Inc. 515,742, Sept. 27; Serial No. 557,263, published June 7, 1949.

Sphygmomanometers and parts thereof. W. A. Baum Co., Inc. 515,734, Sept. 27; Serial No. 556,713, published June 7, 1949.

Sundries, Rubber. The B. F. Goodrich Company. 515,629, Sept. 27; Serial No. 545,247, published June 7, 1949.

Syringes, Hypodermic, hypodermic needles, anaesthesia instruments, and adapters for syringes. A. E. Smith. 515,548, Sept. 27; Serial No. 527,217, published June 7, 1949.

Vibrators, Electric motor driven. McDowell Manufacturing Company. 515,715, Sept. 27; Serial No. 554,140, published June 7, 1949.

CLASS 45

Beverage, Nonalcoholic, maltless carbonated. The Moxie Company. 255,642, Apr. 30, 1929. Republished Sept. 27.

Beverages, Maltless, etc. NuGrape Company of America. 164,168, Feb. 13, 1923. Republished Sept. 27.

CLASS 46

Baking powder. Monarch Chemical Company. 515,686, Sept. 27; Serial No. 550,058, published June 7, 1949.

Baking powder and cream of tartar. A. Schilling & Co. 289,062, Nov. 17, 1931. Republished Sept. 27.

Baking soda. Church & Dwight Co. Inc. 443,404, Sept. 27; Serial No 518,825, published June 7, 1949.

Baking soda and baking powder. Church & Dwight Co., Inc. 515,648, Sept. 27; Serial No. 547,896, published June 7, 1949.

Bicarbonate of soda, and for flavoring salt. A. Schilling & Co. 292,974, Apr. 5, 1932. Republished Sept. 27.

Biscuit and pastry shells formed of whole wheat. The Quaker Oats Company. 515,665, Sept. 27; Serial No. 549,170, published May 31, 1949.

Blend of cane and maple syrups. The Towle Maple Syrup Company. 74,056, re-renewed June 15, 1949. O. G. Sept. 27.

Butter. H. C. Christians Co. 515,673, Sept. 27; Serial No. 549,511, published May 31, 1949.

Butter, powdered milk, and sweetened condensed milk. Red 72 Creamery, Inc. 515,672, Sept. 27; Serial No. 549,465, published May 31, 1949.

Cakes, cookies, pies, etc. Fischer Baking Company. 264,689, renewed Dec. 3, 1949. O. G. Sept. 27.

Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 259,078, renewed July 23, 1949. O. G. Sept. 27.

Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 260,226, renewed Aug. 20, 1949. O. G. Sept. 27.

Candies and confections. The Newton Products Company. 263,565, renewed Nov. 5, 1949. O. G. Sept. 27.

Candy. E. J. Brach & Sons. 515,679, Sept. 27; Serial No. 549,697, published May 31, 1949.

Candy. The Great American Tea Company. 515,692, Sept. 27; Serial No. 550,602, published June 7, 1949.

Candy. J. S. Marshall. 443,406, Sept. 27; Serial No. 520,280, published June 7, 1949.

Candy. Williamson Candy Company. 251,265, Jan. 1, 1929. Republished Sept. 27.

Canned and dried fruits and berries, prunes, raisins, etc. Carroll, Brough & Robinson. 65,801, Oct. 22, 1907. Republished Sept. 27.

Canned fish. Rosenberg & Gallant. 280,856, Mar. 3, 1931. Republished Sept. 27.

Canned fish. Rosenberg & Gallant. 293,281, Apr. 19, 1932. Republished Sept. 27.

Canned fruits. Gresham Berry Growers. 328,386, Sept. 24, 1935. Republished Sept. 27.

Canned fruits, berries, vegetables, etc. The Sears & Nichols Corporation. 264,723, renewed Dec. 3, 1949. O. G. Sept. 27.

Canned fruits, vegetables, soups, and meats, etc. Waples-Platter Company. 355,755, Mar. 29, 1938. Republished Sept. 27.

Canned golden corn. Portland Packing Co. 515,651, Sept. 27; Serial No. 548,180, published May 31, 1949.

Canned salmon. Oceanic Sales Co. 515,656, Sept. 27; Serial No. 548,830, published May 31, 1949.

Canned salmon. Oceanic Sales Co. 515,657, Sept. 27; Serial No. 548,832, published May 31, 1949.

Canned tomato sauce. The Contadina Canning Co. 124,957, Apr. 1, 1919. Republished Sept. 27.

Canned vegetables. Portland Packing Co. 515,649–50, Sept. 27; Serial Nos. 548,177–8, published May 31, 1949.

Canned vegetables. Sparta Canning Co. 261,493, Sept. 17, 1929. Republished Sept. 27.

Canned vegetables, canned fruits, canned sauerkraut, etc. Greenspan Bros. Co. 263,863, renewed Nov. 12, 1949. O. G. Sept. 27.

Canned vegetables, canned fruits, condiments. C. S. Crary Company. 204,429, Oct. 20, 1925. Republished Sept. 27.

Cereal breakfast foods. The Quaker Oats Company. 515,666, Sept. 27; Serial No. 549,171, published June 7, 1949.

Chicken cream of potato soup, old fashioned chicken fricassee, chicken liver pate, etc. Diplomat Products, Inc. 295,004, June 14, 1932. Republished Sept. 27.

Chicken cream of potato soup, old fashioned chicken fricassee, chicken liver pate, etc. Diplomat Products, Inc. 295,068, June 14, 1932. Republished Sept. 27.

Chocolate flavoring syrup. Lyons-Magnus, Incorporated. 419,471, Feb. 19, 1946. Republished Sept. 27.

Coffee. H P Coffee Company. 515,675, Sept. 27; Serial No. 549,634, published May 31, 1949.

Corn kernels, Toasted. A. F. Holloway. 515,676, Sept. 27; Serial No. 549,637, published June 7, 1949.

Crackers, Graham wafer. The Great American Tea Company. 515,689, Sept. 27; Serial No. 550,500, published June 7, 1949.

Farina. Pillsbury Flour Mills Company. 361,616, Oct. 25, 1938. Republished Sept. 27.

Fig bars. Bakery Products, Inc. 515,603, Sept. 27; Serial No. 541,253, published June 7, 1949.

Flavors, Imitation, and synthetic isolate or blend thereof. Florasynth Laboratories, Inc. 256,029, May 7, 1929. Republished Sept. 27.

Flour, Wheat. Sperry Flour Co. 260,544, renewed Aug. 27, 1949. O. G. Sept. 27.

Flour, Whole wheat, cake flour, pancake flour, etc. Tex-O-Kan Flour Mills Co. 509,538, May 10, 1949. Corrected. O. G. Sept. 27.

Food composition in powdered form. R. G. Moench & Co., Inc. 515,538, Sept. 27; Serial No. 523,138, published June 7, 1949.

Food, Dog. The Kennel Food Supply Company, Incorporated. 515,681–2, Sept. 27; Serial Nos. 549,734–5, published May 31, 1949.

Food flavoring or seasoning composition. Standard Brands Incorporated. 515,677, Sept. 27; Serial No. 549,678, published May 31, 1949.

Food products. General Grocer Company. 515,582, Sept. 27; Serial No. 538,274, published June 7, 1949.

Fruit, Fresh citrous. Limoneira Company. 244,189, July 17, 1928. Republished Sept. 27.

Fruits, Fresh citrus. Chase & Company. 515,607, Sept. 27; Serial No. 551,087, published June 14, 1949.

Fruits, Fresh citrus. Exeter Orange Growers Association. 515,663, Sept. 27; Serial No. 549,065, published May 31, 1949.

Fruits, Fresh citrus. Johnston Fruit Company. 515,653, Sept. 27; Serial No. 548,506, published May 31, 1949.

Fruits, Fresh citrus. Kimbriel and Company. 515,680, Sept. 27; Serial No. 549,732, published May 31, 1949.

Fruits, Fresh citrus. San Fernando Fruit Growers Association. 262,211, Oct. 1, 1929. Republished Sept. 27.

Fruits, Fresh citrus. Yuma Mesa Fruit Growers Association. 254,517, Mar. 26, 1929. Republished Sept. 27.

Fruits, Fresh deciduous. Simmons, Shuttleworth & French Company, Inc. 263,569, renewed Nov. 5, 1949. O. G. Sept. 27.

Fruits, Fresh deciduous, dried fruits, and grape sirup. L. Zerillo. 156,946, July 18, 1922. Republished Sept. 27.

Honey. W. Miller. 443,397, Sept. 27; Serial No. 512,977, published June 7, 1949.

Jams, fruit jellies, marmalades and cranberry sauce. Mayflower Products Inc. 515,618, Sept. 27; Serial No. 544,096, published June 14, 1949.

Lemons. Johnston Fruit Company. 87,635, July 30, 1912. Republished Sept. 27.

Oranges, Fresh. Kimbriel and Company. 515,683, Sept. 27; Serial No. 549,736, published June 7, 1949.

Oranges, Fresh. Redlands Orange Growers' Association. 230,543, July 26, 1927. Republished Sept. 27.

Potatoes. Aroostook Valley Potato Co., Inc. 515,572, Sept. 27; Serial No. 534,731, published May 31, 1949.

Spices, paprika, tea, etc. Knickerbocker Mills Co. 263,371, renewed Nov. 5, 1949. O. G. Sept. 27.

Tea and coffee. The Creamette Company. 233,754, Oct. 11, 1927. Republished Sept. 27.

Tomato paste. Hershel California Fruit Products Co. 340,001, Oct. 27, 1936. Republished Sept. 27.

Vegetables, Fresh. D'Arrigo Bros. Co. 324,896, June 4, 1935. Republished Sept. 27.

Vegetables, Fresh. Pacific Produce Distributors Inc. 328,777, Oct. 8, 1935. Republished Sept. 27.

Vinegar. Speas Manufacturing Co. 264,161, renewed Nov. 19, 1949. O. G. Sept. 27.

Yeast, Prepared powdered. Bakon-Yeast, Inc. 329,835, Nov. 12, 1935. Republished Sept. 27.

CLASS 48

Beverage, Malt. W. C. Braun. 304,778, July 18, 1933. Republished Sept. 27.

CLASS 49

Whiskey. M. H. Lees. 329,160, Oct. 15, 1935. Canceled. O. G. Sept. 27.

Whiskey. Pennsylvania Distilling Company, Inc. 328,089, Sept. 17, 1935. Republished Sept. 27.

CLASS 50

Felt, Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial. Congoleum-Nairn, Inc. 515,631, Sept. 27; Serial No. 545,344, published May 10, 1949.

Glass substitute, Window. J. Stolteben. 515,578, Sept. 27; Serial No. 536,846, published Apr. 26, 1949.

Leatherboard and fibreboard. George O. Jenkins Company. 515,638, Sept. 27; Serial No. 546,396, published May 17, 1949.

Matrix, dry mat, or board. Certified Dry Mat Corporation. 515,640, Sept. 27; Serial No. 546,955, published May 24, 1949.

Printing plates, Aluminum photolithographic. J. E. Morse. 515,645, Sept. 27; Serial No. 547,567, published May 31, 1949.

Rubber and composition material. Essex Rubber Company. 515,598, Sept. 27; Serial No. 540,397, published May 24, 1949.

Screen outfit, Silk. The Sherwin Williams Company. 515,562, Sept. 27; Serial No. 533,316, published May 24, 1949.

Strip material. Cat's Paw Rubber Company, Inc. 515,591, Sept. 27; Serial No. 539,936, published May 3, 1949.

CLASS 55

Banking services, Checking account. Bank of America National Trust and Savings Association. 515,821, Sept. 27; Serial No. 556,069, published June 21, 1949.

Burglar-alarm service. The Signal Devices and Alarm Company. 515,814, Sept. 27; Serial No. 535,265, published June 21, 1949.

Chromium plating. Ductile Chrome Process Co. 515,820, Sept. 27; Serial No. 550,396, published Feb. 22, 1949.

Cleaning of fur, fur coats, and cloth garments. P. Simon. 515,827, Sept. 27; Serial No. 566,664, published June 21, 1949.

Contract painting. Kuehnle-Wilson Inc. 515,812, Sept. 27; Serial No. 533,237, published Feb. 1, 1949.

Core testing of animal fibers including wool. American Conditioning House, Inc. 515,836, Sept. 27; Serial No. 560,246.

Electro-plating with copper, nickel, and chrome and other metals. Auto City Plating Co. 515,815, Sept. 27; Serial No. 537,783, published Feb. 8, 1949.

Fur cleaning and storage. National Superior Fur Dressing & Dyeing Co. 515,825–6, Sept. 27; Serial Nos. 562,388–9, published June 21, 1949.

Inspection and repair of industrial electronic equipment, etc., Periodical. Radio Corporation of America. 515,819, Sept. 27; Serial No. 543,523, published June 7, 1949.

Insurance, brokerage and agency services. John C. Paige & Company. 515,816, Sept. 27; Serial No. 538,035, published June 21, 1949.

Laundering. William Penn Laundry, Inc. 515,824, Sept. 27; Serial No. 558,427, published June 21, 1949.

Leasing, maintenance and repair of signs and electrical advertising displays. Federal Electric Company, Inc. 515,810, Sept. 27; Serial No. 529,887, published June 21, 1949.

Oil burner service. Petroleum Heat and Power Company. 515,835, Sept. 27; Serial No. 526,838.

Plumbing and heating services. W. J. Baumbach, Inc. 515,813, Sept. 27; Serial No. 533,977, published June 7, 1949.

Radio broadcasting. Northern Virginia Broadcasters, Inc. 515,817, Sept. 27; Serial No. 539,201, published June 7, 1949.

Re-capping and re-conditioning vehicle tires. True's Oil Company. 515,818, Sept. 27; Serial No. 539,917, published June 7, 1949.

Rental and installation and maintenance of fire and burglar alarm systems. American Electrical Corporation of Massachusetts. 515,811, Sept. 27; Serial No. 531,752, published Mar. 1, 1949.

Transportation of household goods by motor vehicle. Allied Van Lines, Inc. 515,822–3, Sept. 27; Serial Nos. 557,331–2, published June 21, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Birtman Electric Company, assignee: *See*—
Sparklin, Charles H.

Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Household vacuum cleaner having automatic nozzle adjustment means. Re. 23,152, Sept. 27.

LIST OF PLANT PATENTEES

Allwood, Montagu C., Sussex, England, assignor to Charles H. Totty Co., Inc., Madison, N. J. Carnation plant. 876, Sept. 27.

Totty, Charles H., Co., Inc., assignee: *See*—
Allwood, Montagu C.

LIST OF DESIGN PATENTEES

Baker, Robert F., Norwood, Ohio, assignor to R. F. Baker, C. Katsetos, F. Weiland, R. and G. Frankel, doing business as Ohio Advertising Display Company. Display sign. 155,328, Sept. 27.

Bindman, Stanley, assignor to Noma Electric Corporation, New York, N. Y. Toy building block. 155,329, Sept. 27.

Borberg, Willy: *See*—
Currie, John E., and Borberg.

Bowerfind, Golden S., Norfolk, Va. Flower holder. 155,330, Sept. 27.

Brockman, Carl L.: *See*—
Delcher, Howard C., Jr., and Brockman.
Ray, Calvin T., Brockman, and Butler.

Broussard, Robert F., and C. A. Toce, Houston, Tex., assignors to Duncan Parking Meter Corporation, Chicago, Ill. Traffic signal. 155,331, Sept. 27.

Burke, William O., assignor to National Lock Company, Rockford, Ill. Cabinet latch. 155,332, Sept. 27.

Butler, Charles W.: *See*—
Ray, Calvin T., Brockman, and Butler.

Consolidated Molded Products Corporation, assignee: *See*—
Jones, William T.

Currie, John E., Brooklyn, and W. Borberg, Astoria, N. Y., assignors to International Projector Corporation. Loudspeaker. 155,333, Sept. 27.

De Boer, Roelof C., Amsterdam, Netherlands. Bicycle handlebar. 155,334, Sept. 27.

Delcher, Howard C., Jr., and C. L. Brockman, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,335, Sept. 27.

Downes, William F., Bridgeport, Conn. Weather glass. 155,336, Sept. 27.

Dunbar, MacInnis M., Highland Park, assignor to Lighting Products, Inc., Chicago, Ill. Electric lighting fixture. 155,337, Sept. 27.

Duncan Parking Meter Corporation, assignee: *See*—
Broussard, Robert F., and Toce.

Elias, Solomon, New York, N. Y. Edging. 155,338, Sept. 27.

Everedy Company, The, assignee: *See*—
Lebhers, Harry J.

Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.

Foster, Charles H., assignor to Plastic Articles Co., Inc., New York, N. Y. Toy bank. 155,339, Sept. 27.

Frankel, G., assignee: *See*—
Baker, Robert F.

Frisbie, William B., Oakland, Calif. Lamp standard or similar article. 155,340, Sept. 27.

Goodall-Sanford, Inc., assignee: *See*—
Stensgaard, W. L.

Gothé, David E., New York, N. Y. Dress. 155,341, Sept. 27.

Humpal, Willard J., and B. G. Reimers, Boulder, Colo. Solderer housing. 155,342, Sept. 27.

International Projector Corporation, assignee: *See*—
Currie, John E., and Borberg.

Irwin, Neel S., Weaverville, N. C. Sectional display counter. 155,343, Sept. 27.

Johanson, Sten, New York, N. Y. Soap bubble device. 155,344, Sept. 27.

Johnson, Jay P., Euclid, assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 155,345, Sept. 27.

Jones, William T., assignor to Consolidated Molded Products Corporation, Scranton, Pa. Shrine. 155,346, Sept. 27.

Katsetos, Chris, assignee: *See*—
Baker, Robert F.

Katz, Harry, Cincinnati, Ohio. Automatic dial and night light attachment for telephones. 155,347, Sept. 27.

Kuhnl, Leopold K., Stratford, Conn. Pocket perfume atomizer or similar article. 155,348, Sept. 27.

Lear, Incorporated, assignee: *See*—
Lear, William P.

Lear, William P., Brentwood, Calif., assignor to Lear, Incorporated, Grand Rapids, Mich. Knob. 155,349, Sept. 27.

Lebhers, Harry J., assignor to The Everedy Company, Frederick, Md. Knob. 155,350, Sept. 27.

Lee, Emery C., Elgin, Ill., assignor to Missouri Automatic Control Corporation, St. Louis, Mo. Thermostat casing or the like. 155,351, Sept. 27.

Lighting Products, Inc., assignee: *See*—
Dunbar, MacInnis M.

Lynn, Nancy R.: *See*—
Stringfellow, Marguerite, and Lynn.

Martin, Glenn L., Company, The, assignee: *See*—
Delcher, Howard C., Jr., and Brockman.
Ray, Calvin T.
Ray, Calvin T., Brockman, and Butler.

Meagher, Fred L., Syosset, N. Y., assignor, by mesne assignments, to Mills Industries, Incorporated, Chicago, Ill. Vending machine. 155,352, Sept. 27.

Mills Industries, Incorporated, assignee: *See*—
Meagher, Fred L.

Missouri Automatic Control Corporation, assignee: *See*—
Lee, Emery C.

Muldoon, William J., Garden City, N. Y., assignor, by mesne assignments, to The Wheeler Insulated Wire Company, Incorporated, Bridgeport, Conn. Combined telephone handset and mounting device. 155,353, Sept. 27.

Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Silex Company, Hartford, Conn. Coffee warmer or similar article. 155,354, Sept. 27.

National Lock Company, assignee: *See*—
Burke, William O.

Noma Electric Corporation, assignee: *See*—
Bindman, Stanley.

Norberg, Oscar E., Cincinnati, Ohio. Crisper pan for a refrigerator cabinet. 155,355, Sept. 27.

Ohio Advertising Display Company, assignee: *See*—
Baker, Robert F.

O'Neil, William, New York, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Weighing scale. 155,356, Sept. 27.

O'Rourke, Bessie, administratrix: *See*—
O'Rourke, Charles.

O'Rourke, Charles, deceased, Brooklyn, N. Y., by B. O'Rourke, administratrix, Brooklyn, N. Y., assignor to Sylvania Electric Products, Inc. Electronic tube radiator cap. 155,357, Sept. 27.
Pavlinetz, George, Carteret, N. J. Combined bottle and bottle cap. 155,358, Sept. 27.
Pearlman, Harry, Syracuse, N. Y. Power-operated peeling apparatus. 155,359, Sept. 27.
Piasecki, Frank N., Lansdowne, assignor to The Piasecki Helicopter Corporation, Morton, Pa. Helicopter. 155,360, Sept. 27.
Piasecki Helicopter Corporation, The, assignee: *See*—
Piasecki, Frank N.
Pitney-Bowes, Inc., assignee: *See*—
O'Neil, William.
Plastic Articles Co., Inc., assignee: *See*—
Foster, Charles H.
Rapp, Samuel W., Morton, Ill. Cooky jar. 155,361, Sept. 27.
Ray, Calvin T., Baltimore County, to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,362, Sept. 27.
Ray, Calvin T., Baltimore County, C. L. Brockman, Baltimore, Md., and C. W. Butler, Leonia, N. J., assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,363, Sept. 27.
Reimers, Berhard G.: *See*—
Humpal, Willard J., and Reimers.
Rice, Lewis G., Montague, Mich. Double-spoon fishing bait. 155,364, Sept. 27.
Schober, Raymond A., Chicago, Ill. Globe for electric lamps. 155,365, Sept. 27.
Sears, Roebuck and Co., assignee: *See*—
Ferar, Montgomery, and Sundberg.
Silex Company, The, assignee: *See*—
Muller-Munk, Peter.
Stensgaard, W. L., Park Ridge, Ill., assignor to Goodall-Sanford, Inc. Display table for yard goods. 155,366, Sept. 27.
Stringfellow, Marguerite, and N. R. Lynn, Tampa, Fla. Support for clothing or the like. 155,367, Sept. 27.
Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Kitchen sink. 155,368, Sept. 27.
Swartwout Company, The, assignee: *See*—
Johnson, Jay P.
Sylvania Electric Products, Inc., assignee: *See*—
O'Rourke, Charles.
Toce, Charles A.: *See*—
Broussard, Robert F., and Toce.
Wallance, Donald A., New York, N. Y. Furniture leg. 155,369, Sept. 27.
Watkins, Myrtle V., executrix, assignee: *See*—
Watkins, Robert E.
Watkins, Robert E., deceased, by M. V. Watkins, executrix, assignor to M. V. Watkins, Kansas City, Mo. Portable golf putting cup or similar article. 155,370, Sept. 27.
Watson, Hazel, Detroit, Mich. Guide for electrical conductor or the like. 155,371, Sept. 27.
Weiland, Fred, assignee: *See*—
Baker, Robert F.
Wheeler Insulated Wire Company, The, Incorporated, assignee: *See*—
Muldoon, William J.
Whitman, Louis, London, England. Toothpaste and toothbrush holder. 155,372, Sept. 27.
Zalkaner, Herman, New York, N. Y. Refrigerator box or similar article. 155,373, Sept. 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF SEPTEMBER, 1949

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramsen, Finn B.: *See*—
McConnell, William M., and Abramsen.
Adams, Frederic H.: *See*—
Lecher, Hans Z., and Adams.
Adams, Harriet E., San Antonio, Tex. Flower making machine. 2,482,823, Sept. 27.
Adams, Mosel A., Rayne, assignor of one-half to C. V. Radke, Jennings, La. Dumping device for buckets. 2,482,829, Sept. 27.
Addressograph-Multigraph Corporation, assignee: *See*—
Janke, Edward J.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Morris, Steward G., and Riemenschneider.
Air Reduction Company, Incorporated, assignee: *See*—
Rooke, Robert M.
Smith, Stephen.
Alco Valve Company, assignee: *See*—
Miller, Edward G., and Engberg.
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Dual wheel assembly. 2,482,824, Sept. 27.
Allen, Henry G., assignor of one-half to H. Greenstein, Bridgeport, Conn. Safety attachment for automobiles. 2,483,358, Sept. 27.
Allen, Lyman H., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Production of anhydrous sodium sulfate. 2,482,830, Sept. 27.
Allis-Chalmers Manufacturing Company, assignee: *See*—
McCoy, James P. A.
Almassy, George W., Burbank, Calif., assignor to General Electric Company. Protective arrangement for electric power systems. 2,483,117, Sept. 27.
Almy, Ernest G., assignor to Atlas Powder Company, Wilmington, Del. Production of dry sorbitol. 2,483,254, Sept. 27.
Alpern, Dwight K., New York, H. M. Freydberg, Scarsdale, N. Y., and W. H. Hawkins, Stamford, Conn., assignor to Freydberg Bros.-Strauss, Inc., New York, N. Y. Apparatus for drying filaments. 2,483,378, Sept. 27.
Amaducci, Mario, Martinez, Calif. Combination folding chair and table. 2,483,309, Sept. 27.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Holder for paper cups. 2,483,166, Sept. 27.
Amberg, Walter E., Beverly Shores, assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cup holder. 2,483,167, Sept. 27.
Amberg, Walter E., Beverly Shores, Ind., assignor, by mesne assignments, to Lily-Tulip Cup Corporation, New York, N. Y. Holder for paper containers. 2,483,168, Sept. 27.
American Cyanamid Company, assignee: *See*—
Gieseke, Elmer W.
Lecher, Hans Z., and Adams.
Scalera, Mario.
Stamm, Robert F.
American Enka Corporation, assignee: *See*—
Lindsay, Robert W.
American Machinery Corporation, assignee: *See*—
Fender, Robert A.
American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Clasen, Calus J.
Cottrell, Robert B.
Tack, Carl E.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Brickman, Alan E., and Capouch.
Hilliard, James W.
Ilacqua, Antonio F., and Occasione.
Thomas, John H.
American Viscose Corporation, assignee: *See*—
Allen, Lyman H., Jr.
Amos, James L., and E. D. Morris, assignors to The Dow Chemical Company, Midland, Mich. Putty comprising a liquid monomer and a finely divided solid insoluble polymer. 2,482,825, Sept. 27.
Ampro Corporation, assignee: *See*—
Ciseki, Irving.
Ciseki, Irving, and Shapiro.
Anaconda Wire and Cable Company, assignee: *See*—
Polglase, Thomas R., and Hoebeke.
Ancet, Victor M. J., Lyon, France, assignor to Regina S. A., Tangiers, Morocco. Distributing warp threads in circular looms. 2,483,118, Sept. 27.
Anderson, Alf J.: *See*—
Johnson, Earl S., and Anderson.
Anderson, Carl C., assignee: *See*—
Nelson, Noble A.
Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Receptacles with self-closing mouth. 2,483,169, Sept. 27.
Anderson, Lloyd L., and R. E. Johnson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,482,959, Sept. 27.
Anderson, Sven G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Contact device for rotary switches. 2,482,997, Sept. 27.
Andersson, Sven G., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Switching device for distribution of programs. 2,482,998, Sept. 27.
Arden Farms Co., assignee: *See*—
Ray, Don.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Ignition plug. 2,482,831, Sept. 27.
Arneson, Edwin L., Morris, assignor to Morris Paper Mills, Chicago, Ill. Box. 2,483,030, Sept. 27.
Aschner, Thomas C.: *See*—
Nicholl, Leonard, Bitler, and Aschner.
Askue, Albert R., Mentor, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Brake for crawler equipped vehicles. 2,483,170, Sept. 27.
Aston, Royden N., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Solid, stable chlorine dioxide generating compositions. 2,482,891, Sept. 27.
Atlas Powder Company, assignee: *See*—
Almy, Ernest G.
Automatic Electric Laboratories, Inc., assignee: *See*—
Burgener, Karl L.
Jones, Roy W.
Lomax, Clarence E.
Peterson, Edward S.
Avco Manufacturing Corporation, assignee: *See*—
Cohen, Jeffrey S.
Avedon, Harvey, New York, N. Y. Magnetic cuff link. 2,483,031, Sept. 27.
Avey, Ida V.: *See*—
Sanders, Dorothy M., and Avey.
Avitecnica, Inc., assignee: *See*—
Niedelman, Samuel, and Rauscher.
Babee-Tenda License Corporation, assignee: *See*—
Puls, Alfred E., and Swenson.
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,171, Sept. 27.
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,172, Sept. 27.
Baer, Josef, Washington County, assignor to Electric Steel Foundry, Portland, Oreg. Excavating tooth. 2,483,032, Sept. 27.
Baker, Del, Shawnee, Okla. Earth moving apparatus. 2,483,033, Sept. 27.
Baker, Harvey, and C. E. Le Cocq, Bellingham, Wash.: Elizabeth Le Cocq, executrix of said C. E. Le Cocq, deceased. Fire squelcher. 2,483,310, Sept. 27.
Bancroft, Joseph, & Sons, Co., assignee: *See*—
Ford, Florence M., and Hall.
Barber, Cleo E.: *See*—
Rainbolt, Paul, and Barber.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Baron, Abraham L., assignor to S. B. Penick & Company, New York, N. Y. Preparation of tyrothricin. 2,482,832, Sept. 27.
Barron-Gray Packing Company, assignee: *See*—
Erickson, Arvid M., and Ryan.
Bartlett, Ronald G., J. L. Moilliet, and R. J. W. Reynolds, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Bonding fabrics. 2,483,330, Sept. 27.
Barton, Paul D.: *See*—
Dougherty, Patrick F., Barton and Hughes.
Barwick, Keith E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,482,892, Sept. 27.
Bateman, Amos W., Manoa, Pa., assignor to General Electric Company. Desensitizing differential protective systems. 2,483,119, Sept. 27.
Bawden, Jesse M., Vallejo, Calif. Coin trapping game. 2,482,893, Sept. 27.

Bean, Louis A., Indian Hills, Colo. Fish pole holder and lifter. 2,482,999, Sept. 27.

Beck, William N., Sioux Falls, S. Dak. Meter controlled valve. 2,483,255, Sept. 27.

Behnke, Herbert C., West Hartford, Conn. Rotary cooky-maker. 2,483,173, Sept. 27.

Belsinger, Inc., assignee: *See*—
Belsinger, Jack R.

Belsinger, Jack R., Atlanta, Ga., assignor to Belsinger, Inc. Sealable carton with multiply bottom. 2,483,174, Sept. 27.

Bemis Bro. Bag Company, assignee: *See*—
Brockman, Edward J., and Scrugga.

Benander, George B., Oaklawn, R. I., assignor to Monowatt, Incorporated. Electric lamp socket. 2,483,120, Sept. 27.

Bender, Harry, Bloomfield, and W. B. Voorhis, Scotch Plains, assignors to Tung-Sol Lamp Works Inc., Newark, N. J. Filament structure for thermionic tubes. 2,482,826, Sept. 27.

Bendix Aviation Corporation, assignee: *See*—
Clay, Robert B.
Collins, John E., and Mastropole.
Du Bois, William H.
Frerer, Paul G.
Goldberg, Harold.
Gordon, James F.
Martin, David W.
Polye, William R., and Brandau.
Sawyer, Marc C.
Shanklin, John P.
Tognola, Tullio and Thorn.
Wirth, Emil O., and Barford.

Benson & Associates, Inc., assignee: *See*—
Benson, Roy G.

Benson, Roy G., Berwyn, assignor to Benson & Associates, Inc., Cook County, Ill. Fountain eye bath. 2,482,960, Sept. 27.

Bentley, John W., Chicago, Ill. Tobacco pipe cleaning device. 2,483,063, Sept. 27.

Berg, René, New York, N. Y. Self-closing gauging hatch. 2,483,256, Sept. 27.

Bergild, Bror B. K., assignee: *See*—
Winholm, Folke.

Bergild, Ulf K. R., executor, assignee: *See*—
Winholm, Folke.

Berry, Harry O., Inglewood, Calif. Saw setting machine. 2,483,257, Sept. 27.

Better-Bilt Manufacturing Company, assignee: *See*—
Johnson, Earl S., and Anderson.

Billner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete, Inc. Molding prestressed structures. 2,483,175, Sept. 27.

Bindler, Jakob: *See*—
Schwager, Eduard, and Bindler.

Bio-Research, Inc., assignee: *See*—
Hasleton, Lloyd W.

Bird, Lester F., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Operating system for vapor arc lamps. 2,482,894, Sept. 27.

Biro, Michael B., Long Island City, N. Y. Ampoule opener. 2,482,833, Sept. 27.

Birtman Electric Company, assignee: *See*—
Howard, Frank S.

Bishop, Arthur E., Chatswood, near Sydney, New South Wales, Australia. Friction device for damping shimmy in caster wheels. 2,482,961, Sept. 27.

Bishop, Lewis H., and J. S. Finn, Burlingame, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Surface treating apparatus. 2,483,176, Sept. 27.

Bitler, William: *See*—
Nicholl, Leonard, Bitler and Aschner.

Black, Leonard J., Hawthorne, Calif. Baby vehicle. 2,482,827, Sept. 27.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Transfer mechanism for counters. 2,483,359, Sept. 27.

Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency analyzer. 2,483,311, Sept. 27.

Bludworth, Joseph E., Corpus Christi, Tex., and C. Hutson, Cumberland, Md., assignors to Celanese Corporation of America. Apparatus for the production of artificial filaments. 2,482,834, Sept. 27.

Bobard, Emile, Beaune, France. Motor-containing wheel. 2,483,177, Sept. 27.

Boice, Elvin G., assignor to Reed Roller Bit Company, Houston, Tex. Tool joint wear collar. 2,482,962, Sept. 27.

Bollman, Roland R., Cincinnati, Ohio. Antibacklash attachment for fishing reels. 2,483,331, Sept. 27.

Boninger, Otto R., Phillips, Tex., assignor to Phillips Petroleum Company. Catalyst vessel. 2,483,178, Sept. 27.

Borg-Warner Corporation, assignee: *See*—
Vonk, Cornelius G.

Berger, Frank G., assignor to W. Fischer, Fort Lee, N. J. Smoking pipe. 2,483,258, Sept. 27.

Bottom, Virgil E., Leonardo, N. J., assignor to the United States of America as represented by the Secretary of War. Mounting for piezoelectric elements. 2,482,828, Sept. 27.

Bourassa, Joseph C. E., Montreal, Quebec, Canada. Press bed drive. 2,483,121, Sept. 27.

Bowdil Company, The, assignee: *See*—
Morrow, Harry M.

Bower, Alfred H., assignee, trustee: *See*—
Palmer, Lawrence F.

Bower, George W., Harbor Creek, Pa., assignor to General Electric Company. Circuit controlling device. 2,483,122, Sept. 27.

Boyajian, Alfred Z.: *See*—
Gits, John, and Boyajian.

Braeg, Herman E., St. Mary's College, Calif. Anatomical instruction device. 2,482,034, Sept. 27.

Brandau, William F.: *See*—
Polye, William R., and Brandau.

Brandon, Howard, assignee: *See*—
Nelson, Noble A.

Brant, David O., Beverly Hills, Calif. Milk strainer. 2,483,000, Sept. 27.

Brell, Jules, Baldwin, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Handling retaining rings. 2,483,379, Sept. 27.

Bremer, William S., New Washington, Ohio. Roofing tile. 2,482,835, Sept. 27.

Brickman, Alan E., New Haven, Conn., and M. B. Capouch, Lakewood, Ohio, assignors to The American Steel and Wire Company of New Jersey. Transload device. 2,482,836, Sept. 27.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Bristol Aeroplane Company Limited, The, assignee: *See*—
D'Assis-Fonseca, Evelyn C. M., and Wotton.

Brockman, Edward J., St. Louis, and T. M. Scrugga, Richmond Heights, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Making paper yarn. 2,482,895, Sept. 27.

Brogren, Erik R.: *See*—
Parsons, John T., and Brogren.

Brown, Potter M., Jr., assignor to Richmond Mica Company, Richmond, Va. Roller and drum mill for flaking mica. 2,482,740, Sept. 27.

Brumbaugh, Harold C., Portland, Oreg. Collapsible trailer vehicle. 2,483,332, Sept. 27.

Buckman, Alfred F., Jr.: *See*—
Budner, Anton E., Buckman, and Spurgat.

Buckner, William N., assignor to Old Mission Packing Corporation, Ltd., San Diego, Calif. Pimiento coring machine. 2,482,837, Sept. 27.

Budner, Anton E., A. F. Buckman, Jr., and E. Spurgat, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Lusterless wax emulsions and method of preparation. 2,483,259, Sept. 27.

Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Interoffice connection. 2,483,179, Sept. 27.

Burns, Cloyd E., Stamford, Conn. Card record system. 2,483,035, Sept. 27.

Burns, Mel M., assignee: *See*—
Nelson, Melvin E.

Burroughs, Samuel G.: *See*—
Corkery, Frank W., and Burroughs.

Callahan, Nolan H., Alice, Tex. Pump control device. 2,483,084, Sept. 27.

Callaway Mills Company, assignee: *See*—
Perkerson, Fred S.

Cannon, Madison M., Jr., West Hartford, and J. S. Light, Simsbury, assignors to Hartford-Empire Company, Hartford, Conn. Molten glass level indicator and recorder. 2,483,338, Sept. 27.

Capouch, Myron E.: *See*—
Brickman, Alan E., and Capouch.

Carlson, Elmer R., Galva, Ill. Massaging device. 2,482,838, Sept. 27.

Carlstedt, Paul A., Edmonds, Wash. Table for hospital beds. 2,482,896, Sept. 27.

Carmichael, Leslie C., Lexington, Ky. Safety coupling. 2,482,741, Sept. 27.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Schmidt, William E.

Carpenter, E. W., Manufacturing Company, The, assignee: *See*—
Loucony, Adolphe, and Eick.

Carswell, Firman L., and O. W. Schmidt, Kansas City, Mo. Making arch-type conduits. 2,483,001, Sept. 27.

Carter, Edward H., and L. E. Sartain, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Activation of catalytic metal screens. 2,482,742, Sept. 27.

Case, J. I., Company, assignee: *See*—
Hartsock, Robert E., and Henss.

Casner Patents, Inc., assignee: *See*—
Roters, Herbert C.

Catford, Adrian L., Hampton, assignor to D. Napier & Son Limited, London, England. Variable-speed gear. 2,483,180, Sept. 27.

Catharina, Pierre: *See*—
Sevellhac, Francois and P., Caseneuve, and Catharina.

Caseneuve, Louis: *See*—
Sevellhac, Francois and P., Caseneuve, and Catharina.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., and Hutson.
Martin, Mervin E., and Umansky.

Chace, Paul G., Attleboro Falls, assignor to Metals and Controls Corporation, Attleboro, Mass. Corrosion-resisting composite metal. 2,482,897, Sept. 27.

Chace, Paul G., Attleboro Falls, assignor to Metals and Controls Corporation, Attleboro, Mass. Corrosion-resisting composite metal. 2,482,898, Sept. 27.

Chace, Paul G., Attleboro Falls, assignor to Metals and Controls Corporation, Attleboro, Mass. Corrosion-resisting composite metal. 2,482,899, Sept. 27.

Chase, Paul G., Attleboro Falls, assignor to Metals and Controls Corporation, Attleboro, Mass. Corrosion-resisting composite metal. 2,482,900, Sept. 27.

Chalmers, John, Edinburgh, Scotland. Printing machine. 2,483,260, Sept. 27.

Chamberlin, Richard, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Resilient contact structure for electron tubes. 2,482,839, Sept. 27.

Chanfrau, Ralph P., Phoebus, Va. Apparatus for scribing instruments. 2,482,743, Sept. 27.

Chapin, Irving F.: *See*—
Du Bois, William H., and Chapin.

Chapman, Frederick B., South Hamilton, Mass. Pencil pointer. 2,483,261, Sept. 27.

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,483,036, Sept. 27.

Christensen, Norman V., and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,483,037, Sept. 27.

Cianfrone, Ralph F., Guttenberg, N. J. Fishing line bracket. 2,482,901, Sept. 27.

Cilag Limited, assignee: *See*—
Suter, Hans.

Ciaski, Irving, Schiller Park, assignor to Ampro Corporation, Chicago, Ill. Shock-absorbing and motion-impelling means for cinematographs. 2,482,744, Sept. 27.

Ciaski, Irving, Schiller Park, and A. Shapiro, assignors to Ampro Corporation, Chicago, Ill. Used-film signal for motion-picture cameras. 2,482,745, Sept. 27.

Cities Service Oil Company, assignee: *See*—
De Villiers, Truman E.

Clapp, Charles W., Albany, N. Y., assignor to General Electric Company. Humbucking arrangement for magnetic transducers. 2,482,122, Sept. 27.

Clark, Franklin, Chatham, assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Choke coil. 2,482,902, Sept. 27.

Claeen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,181, Sept. 27.

Clay, Robert B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,483,812, Sept. 27.

Clayton, Benjamin, San Marino, Calif., assignor to B. Clayton, doing business as Refining, Unincorporated. Process of making soap. 2,483,002, Sept. 27.

Cleveland Trencher Company, The, assignee: *See*—
Askue, Albert R.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl furane and chloroprene. 2,483,182, Sept. 27.

Clute, Foster L., and H. C. Schroder, assignors to The W. P. Fuller Company, San Francisco, Calif. Combined wallpaper display card and color positioning tab. 2,482,963, Sept. 27.

Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Vibrator. 2,483,085, Sept. 27.

Coake, Charles F., Indianapolis, assignor to Senn Corporation, New Augusta, Ind. Driver contact vibrator. 2,483,086, Sept. 27.

Cocker Machine and Foundry Company, assignee: *See*—
Suggs, Thomas F.

Cohee, Charles C., Indianapolis, Ind. Humidifying air-heating furnace. 2,482,964, Sept. 27.

Cohen, Jeffrey S., Los Angeles, Calif., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Oscillator circuits. 2,483,183, Sept. 27.

Collins, John E., Belleville, N. J., and A. J. Mastropole, New York, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J. Electric motor brake. 2,482,840, Sept. 27.

Columbian Carbon Company, assignee: *See*—
Ladd, William A.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Williams, Arthur.

Commercial Controls Corporation, assignee: *See*—
Rast, Frederick Q.

Commercial Patents Limited, assignee: *See*—
Petty, Michael G. R., and Jones.

Commercial Solvents Corporation, assignee: *See*—
Hurd, Charles D.
Tryon, Philip F.

Control Instrument Company, Inc., assignee: *See*—
Herr, Donald L.

Cook, William H., Toledo, Ohio. Electric connector. 2,482,965, Sept. 27.

Cook, William H., Toledo, Ohio. Terminal mounting electric fitting. 2,482,966, Sept. 27.

Cook, William H., Toledo, Ohio. Reciprocating cylinder engine. 2,482,967, Sept. 27.

Cooper, Ellis W., Los Angeles, assignor to North American Aviation, Inc., Inglewood, Calif. Making stretching machine jaws. 2,482,841, Sept. 27.

Coppock, Kenneth E.: *See*—
Goodwin, Harold L., and Coppock.

Corkery, Frank W., Crafton, and S. G. Burroughs, Pittsburgh, assignors to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making terpene resins. 2,483,124, Sept. 27.

Cornercroft, Limited, assignee: *See*—
Rycroft, Norman.

Corona Enterprises, Inc., assignee: *See*—
Rona, Gustav G.

Cosman, Bernard J., Arlington, assignor to Harvey Radio Laboratories, Inc., Cambridge, Mass. Phase modulation system. 2,483,262, Sept. 27.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,483,184, Sept. 27.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,360, Sept. 27.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,361, Sept. 27.

Crabtree George W., Cleveland Heights, Ohio. Frictional spring control means and their mounting on vehicles. 2,483,185, Sept. 27.

Crimora Research & Development Corporation, assignee: *See*—
Koster, John.

Crippen, Herbert O., Sr., Chicago, Ill. Resonating chamber construction for pianos. 2,483,087, Sept. 27.

Crockett, Harry L., assignor to Olin Industries, Inc., New Haven, Conn. Sear-control means for firearms. 2,482,842, Sept. 27.

Crompton & Knowles Loom Works, assignee: *See*—
Sepavich, Victor F.

Crouch, Logan R., Jackson, Miss. Blowtorch. 2,482,843, Sept. 27.

Crozier, Robert E., Detroit, Mich. Space heater. 2,482,746, Sept. 27.

Cummerow, Robert L., New London, Conn., and L. K. Davis, Brockton, Mass., assignors to the United States of America as represented by the Secretary of the Navy. Phase shifting potentiometer. 2,483,125, Sept. 27.

Cummings, Teresa, Buffalo, N. Y. Display rack. 2,483,263, Sept. 27.

Curtis, Edgar S., Hanford, Calif. Clamp for holding spaced ice-cream cans. 2,483,038, Sept. 27.

Custer, Harry W., Center Line, Mich. Refrigerator cabinet having ice-cream can support means. 2,483,264, Sept. 27.

Dalia, John F., Webster, N. Y. Paintbrush holder and stripper. 2,483,265, Sept. 27.

D'Assis-Fonseca, Evelyn C. M., and J. Wotton, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Supply of ammunition to freely rotatable gun turrets. 2,483,334, Sept. 27.

Davids, Hugh H., Schenectady, N. Y., assignor to General Electric Company. Delay timer. 2,483,126, Sept. 27.

Davis, Dorsey T., Roanoke, Va. Slingshot magazine. 2,483,039, Sept. 27.

Davis, Jessie A., Foundation, Inc., assignee: *See*—
Davis, John H.

Davis, John H., assignor to Jessie A. Davis Foundation, Inc., Detroit, Mich. Pump. 2,483,335, Sept. 27.

Davis, Lincoln K.: *See*—
Cummerow, Robert L., and Davis.

Davis, Nelson L., H. N. Ekbom, Chicago, and L. O. Millard, La Grange, Ill., assignors to Link-Belt Company. Hydraulic classification of solids. 2,482,747, Sept. 27.

Dawson, Lerton V.: *See*—
Schwartz, Edward S., and Dawson.

Deere Manufacturing Co., assignee: *See*—
Shore, Richard B.

De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Electron tube type transmitter. 2,483,266, Sept. 27.

De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver comprising automatic frequency control. 2,483,314, Sept. 27.

De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver. 2,483,315, Sept. 27.

De Haven, Hugh, New York, N. Y. Tensioning device for producing a linear pull. 2,483,088, Sept. 27.

De Luxe Products Corporation, The, assignee: *See*—
Flint, Charles R.

Dennison Manufacturing Company, assignee: *See*—
Owen, Haddon S.

De Rubeis, Peter J., Hurley, Wis. Drainage valve for musical instruments. 2,482,903, Sept. 27.

Deuber, Thomas A.: *See*—
Longworth, John, and Deuber.

De Vellier, William A., New York, N. Y., assignor to New Process Screw Corporation, Waterville, Conn. Apparatus for rolling screws. 2,483,186, Sept. 27.

De Villiers, Truman E., Okmulgee, assignor to Cities Service Oil Company, Bartlesville, Okla. Sight-feed lubricator system. 2,483,363, Sept. 27.

Deyarmond, Herbert P., Los Angeles, Calif. Saw retoother and metal cutter. 2,483,336, Sept. 27.

Dietzler, Andrew J., assignor to The Dow Chemical Company, Midland, Mich. 4,4'-isopropylidene bis-(2-isopropyl-phenol). 2,482,748, Sept. 27.

Dill Manufacturing Company, The, assignee: *See*—
Marcum, James H.

Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Pulse radio echo distance indicator. 2,483,187, Sept. 27.

Dolberg, Charles E., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grid-pulsed cavity oscillator. 2,483,337, Sept. 27.

Dorr Company, The, assignee: *See*—
Haagensen, Edward A.

Dougherty, Patrick F., Chester, P. D. Barton, Phoenixville, and E. M. Hughes, Chester, assignors to Sun Oil Company, Philadelphia, Pa. Cleaning heat exchangers. 2,482,904, Sept. 27.

Douglas, Melvin, assignor to Harry A. Lowther Co., Chicago, Ill. Chain-type cutter for debarking machines. 2,483,338, Sept. 27.

Dow Chemical Company, The, assignee: *See*—
Amos, James L., and Morris.
Dietzler, Andrew J.
Heerema, Jacob.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Piston sealing means 2,483,313, Sept. 27.

Du Bois, William H., and I. F. Chapin, assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure operated disk brake for aircraft. 2,483,362, Sept. 27.

Duffy, William, Maspeth, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling open-ended spring retaining rings. 2,483,380, Sept. 27.

Duncan Electric Manufacturing Company, assignee: *See*—
Paine, Louis A., and Smith.

Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Shoe press. 2,482,968, Sept. 27.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Walsh, Robert H.

Eagle-Picher Company, The, assignee: *See*—
Young, Charles E.

Eaglesfield, Charles C., Bournemouth, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee. Transmission line oscillator. 2,483,189, Sept. 27.

Eastern Air Devices, Inc., assignee: *See*—
Kopprasch, Robert W.

Eastern Tool and Manufacturing Company, assignee: *See*—
Elwell, George H.

Eastman Kodak Company, assignee: *See*—
Carter, Edward H., and Sartain.
Urbach, Frans.

Eckert, Wallace J., Washington, D. C. Sextant or the like. 2,482,749, Sept. 27.

Economy Faucet Company, assignee: *See*—
Picut, Frederick C.

Ecremeuses, Melotte, Societe Anonyme, assignee: *See*—
Henrard, Fernand J. J. J.

Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.

Ege, John F., Jr.: *See*—
Silverman, Leslie, and Ege.

Ehret, Robert J., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic recalibrating motor control apparatus. 2,483,364, Sept. 27.

Eick, Harry: *See*—
Loucony, Adolphe, and Eick.

Eisner, Robert S., Red Bank, assignor to Hanlon & Goodman Co., Belleville, N. J. Fountain liquid-applying brush. 2,482,905, Sept. 27.

Eitel-McCullough, Inc., assignee: *See*—
Chamberlin, Richard.

Ekbom, Hilmer N.: *See*—
Davis, Nelson L., Ekbom, and Millard.

Ekco Products Company, assignee: *See*—
Lueneburg, Walter C.

Electric Steel-Foundry, assignee: *See*—
Baer, Josef.

Electrolux Corporation, assignee: *See*—
Anderson, Emil.

Elger, Joseph, assignor of one-half to R. Elger, Chicago, Ill. Tobacco article support. 2,483,188, Sept. 27.

Elger, Rose, assignee: *See*—
Elger, Joseph.

Ellison, Leslie J.: *See*—
Richards, Edward A., and Ellison.

El-Massaoui, Farid N., Cairo, Egypt. Motion-picture film with a plurality of picture series and projector for the same. 2,483,040, Sept. 27.

Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,483,127, Sept. 27.

Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop buckle. 2,483,128, Sept. 27.

Elwell, George H., New Haven, Conn., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,483,129, Sept. 27.

Emery Industries, Inc., assignee: *See*—
Goebel, Charles G.

Engberg, Ralph E.: *See*—
Miller, Edward G., and Engberg.

Eppley, Chester L.: *See*—
Quinnell, Earle D., and Eppley.

Erickson, Arvid M., San Jose, and J. D. Ryan, Campbell, assignors to Barron-Gray Packing Company, San Jose, Calif. Extraction and purification of sugar. 2,482,750, Sept. 27.

Evans, John R., Westmount, Quebec, Canada. Flow meter. 2,483,190, Sept. 27.

Eversharp, Inc., assignee: *See*—
Wahl, John C.

Fairbank, Murry N.: *See*—
Land, Edwin H., Fairbank, and Grey.

Fawick Flexi-Grip Co., assignee: *See*—
Fawick, Thomas L.

Fawick, Thomas L., Akron, Ohio. Making cushioned gears or the like. 2,483,267, Sept. 27.

Fawick, Thomas L., assignor to Fawick Flexi-Grip Co., Cleveland, Ohio. Mute for musical instruments. 2,483,268, Sept. 27.

Federal Telephone and Radio Corporation, assignee: *See*—
Howe, Albert E.
Vitrogan, David.

Feitl, Rudolf: *See*—
Heimann, Heinrich, and Feitl.

Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment lock. 2,483,365, Sept. 27.

Fender, Robert A., assignor to American Machinery Corporation, Orlando, Fla. Field box. 2,483,269, Sept. 27.

Ferguson, Hiram P., Portland, Oreg. Headspace micrometer gauge. 2,483,089, Sept. 27.

Finlayson, Alexander S., Rahway, N. J., assignor to Hercules Powder Company, Wilmington, Del. Cellulose ether manufacture. 2,482,844, Sept. 27.

Finn, John S.: *See*—
Bishop, Lewis H., and Finn.

Firth, Thos., & John Brown Limited, assignee: *See*—
Sykes, Charles, and Wright.

Fischer, James J., Milwaukee, Wis. Bird cage swing. 2,483,003, Sept. 27.

Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,483,270, Sept. 27.

Fischer, Wilhelm, assignee: *See*—
Borger, Frank G.

Fitschen, Albert C., Beverly Hills, Calif. Variable tone control device. 2,483,041, Sept. 27.

Flagstad, Cornell, Minneapolis, Minn. Grain car door implement. 2,482,845, Sept. 27.

Flint, Charles R., assignor to The De Luxe Products Corporation, La Porte, Ind. Surge booster device for exhaust manifolds. 2,482,754, Sept. 27.

Folkers, Karl: *See*—
Rogers, Edward F., and Folkers.

Ford, Florence M., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Flameproofing of fibrous material. 2,482,755, Sept. 27.

Ford, Florence M., and W. P. Hall, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Flameproofing of fibrous materials. 2,482,756, Sept. 27.

Fox, Alan J., Miami Beach, Fla. Garment fastener. 2,482,846, Sept. 27.

Foxboro Company, The, assignee: *See*—
Howe, Wilfred H.

Freevol, Harold, assignee: *See*—
Nelson, Noble A.

Frees-Seal Equipment Company Limited, assignee: *See*—
Young, Thomas N., and Gledhill.

Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Securing means. 2,483,042, Sept. 27.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Motor operated switch. 2,482,757, Sept. 27.

Freydberg Bros.-Strauss, Inc., assignee: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.

Freydberg, Herman M.: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.

Frink, Frederick W., East Orange, N. J. Frequency modulation transmitter. 2,483,271, Sept. 27.

Froass, Paul E.: *See*—
Keller, Hugo F., Johnson, and Froass.

Fry, Harold R., Jr., Troy, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Ampoule sealing and discharging device. 2,482,969, Sept. 27.

Fuller, John L., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Phase shift control system. 2,483,090, Sept. 27.

Fuller, W. P., Company, The, assignee: *See*—
Clute, Foster L., and Schroder.

Gaidos, Alonzo F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Fire control mechanism. 2,482,758, Sept. 27.

Gardner, Charles E., Hollis, and E. B. Gardner, Williston Park, assignors to Gardner Industrial Associates, Inc., Hollis, N. Y. Apparatus for laterally stretching continuous sheets. 2,483,339, Sept. 27.

Gardner, Edward B.: *See*—
Gardner, Charles E., and E. B.

Gardner Industrial Associates, Inc., assignee: *See*—
Gardner, Charles E., and E. B.

Garman, Raymond L.: *See*—
Lee, Richard W., and Garman.

Garrard Engineering and Manufacturing Company Limited, The, assignee: *See*—
Mortimer, Edmund W.

Garratt, Charles S., Jr., Suffolk, Va. Flush valve mechanism. 2,482,970, Sept. 27.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. SiF_4-impregnated alumina catalyst and preparing it. 2,483,130, Sept. 27.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. SiF_4-impregnated silica-alumina catalyst. 2,483,131, Sept. 27.

Gaucher, Leon P., Mount Vernon, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon gas into carbon monoxide and hydrogen. 2,483,132, Sept. 27.

Gauger, Frank A., Milwaukee, Wis. Automatic lighting and control means for gas burners. 2,483,191, Sept. 27.

Geigy, Jr. R., A. G., assignee: *See*—
Schwager, Eduard, and Bindler.

General Aniline & Film Corporation, assignee: *See*—
Prentice, Russell E.
Schildknecht, Calvin E.

General Electric Company, assignee: *See*—
Almassy, George W.
Bateman, Amos W.
Bower, George W.
Clapp, Charles W.
Davids, Hugh H.
Gethmann, Richard B.
Higham, Edward H.
Lamoreaux, Harry F.
Merrill, Frank W.
Norgaard, Donald E.
Olson, Frederick A.
Pringle, William A.
Rochnow, Eugene G.
Somerville, Gareth G.
Sprung, Murray M., and Wilcock.
Warren, Glenn B., and Parker.
Young, William R.

General Motors Corporation, assignee: *See*—
Goodwin, Harold L., and Coppock.

General Precision Laboratory Incorporated, assignee: *See*—
Lee, Richard W., and Garman.

Gethmann, Richard B., Bridgeport, Conn., assignor to General Electric Company. Focusing arrangement for cathode-ray tubes. 2,483,133, Sept. 27.

Gieseke, Elmer W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of iron impurities from feldspar. 2,483,192, Sept. 27.

Gilbart, Louis, Leeds, England. Wardrobe. 2,483,340, Sept. 27.

Gillett, Paul: *See*—
Guyot, Gaston J. L., and Gillet.

Girdler Corporation, The, assignee: *See*—
Houlton, Harold G.

Gitz, John, Roslyn Estates, and A. Z. Boyajian, assignors to Republic Aviation Corporation, Farmingdale, N. Y. Airfoil. 2,483,134, Sept. 27.

Glaskin, James B., Colorado Springs, Colo. Fence wire assembling and stretching tool. 2,483,193, Sept. 27.

Gledhill, Eric G. B.: *See*—
Young, Thomas N., and Gledhill.

Gleim, Clyde E., assignor to Wingfoot Corporation, Akron, Ohio. Polymer and copolymer of allyl carbamate. 2,483,194, Sept. 27.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,483,366, Sept. 27.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Detachable supporting frame for garments. 2,483,367, Sept. 27.

Glos, Raymond E., Freeport, assignor to Locomotive Firebox Company, Chicago, Ill. Making thermic siphons. 2,483,091, Sept. 27.

Gluckin Corporation, The, assignee: *See*—
Glick, Jack.
Gluckin, Harry.

Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Brassière. 2,483,272, Sept. 27.

Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Garment supporting frame. 2,483,273, Sept. 27.

Gluckin, Harry, assignor to The Gluckin Corporation, New York, N. Y. Breast covering garment. 2,483,274, Sept. 27.

Godman, Earl B., Phoenix, Ariz. Blower wheel. 2,482,847, Sept. 27.

Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Purification of oleic acid. 2,482,760, Sept. 27.

Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Polymerization of unsaturated fatty acids. 2,482,761, Sept. 27.

Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Frequency and phase modulation detector. 2,483,195, Sept. 27.

Goldberg, Moses W., Upper Montclair, and S. Teitel, Nutley, assignors to Hoffmann-La Roche Inc., Nutley, N. J. β-dihydro-lonylamine and the acid addition salts thereof. 2,483,381, Sept. 27.

Goldberg, Moses W., Upper Montclair, and S. Teitel, Nutley, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. New penicillin salt. 2,483,382, Sept. 27.

Golden, James F., Atlanta, Ga. Folding table for automobile seats. 2,483,043, Sept. 27.

Goldsmith, Henry A., and A. L. Humbert, assignors, by mesne assignments, to Phipps Products Co., Boston, Mass. Impregnating agent for metal wool pads. 2,483,135, Sept. 27.

Golson, Kelly K., Los Angeles, Calif. Self-illuminated transparent proctoscope. 2,482,971, Sept. 27.

Gongwer, Calvin A., Norwich, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Delayed-release mechanism. 2,483,044, Sept. 27.

Goodale, Ethel M.: *See*—
McClatchey, Mayme R., and Goodale.

Goodrich, B. F., Company, The, assignee: *See*—
Hooper, James M.
Lussier, Joseph A.

Goodrich, Ralph D., Jr., Laramie, Wyo., and T. F. C. Muchmore, Geneva, N. Y. Electronic switch with common cathode output. 2,482,759, Sept. 27.

Goodwin, Harold L., Detroit, and K. E. Coppock, Pleasant Ridge, assignors to General Motors Corporation, Detroit, Mich. Rocker panel assembly for automobile bodies. 2,482,906, Sept. 27.

Gordon, James F., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Electron tube type phonograph reproducer. 2,482,972, Sept. 27.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Frequency multiplier. 2,482,973, Sept. 27.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Frequency multiplier having an output of pulse groups. 2,482,974, Sept. 27.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Phono-pickup. 2,483,196, Sept. 27.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Variable inductor. 2,483,197, Sept. 27.

Goren, Mayer B., Brighton, Mass., assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,482,762, Sept. 27.

Gosnell, Hardy B., Slater, S. C. Weft tension take-up for looms. 2,482,975, Sept. 27.

Grandjean, Pierre: *See*—
Lalanne, Edmond, and Grandjean.

Grant, William M., St. Louis, Mo. Wheeled carrier. 2,482,848, Sept. 27.

Greenstein, Henry, assignee: *See*—
Allen, Henry G.

Gregg, Jon, New Hope, Pa. Premolding and loading apparatus. 2,483,004, Sept. 27.

Gregor, Fred, Brooklyn, assignor of one-half to N. Roth, Forest Hills, N. Y. Chocolate mixer. 2,483,275, Sept. 27.

Grey, David S.: *See*—
Land, Edwin H., Fairbank, and Grey.

Grimsley, Leopold C., assignor to H. Hyman, New York, N. Y. Explosion-proof reflector assembly for portable electric flashlights. 2,482,763, Sept. 27.

Gross, A. Edward, assignee: *See*—
Wheeler, Henry F.

Guardite Corporation, assignee: *See*—
Heineman, Arnold H.

Guyot, Gaston J. L., and P. Gillet, Paris, France. Measuring the microphonic action of multielectrode tubes. 2,482,849, Sept. 27.

Haagensen, Edward A., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Sugar solution ion exchange. 2,482,765, Sept. 27.

Haas, Charles, Bilbao, Spain. Scaffolding. 2,483,341, Sept. 27.

Hacker, Horace W., La Grange, Ill. Reciprocating window. 2,483,005, Sept. 27.

Haeberlin, George, Richmond, Va., assignor to Richmond Pierce Dye Works, Inc. Fabric folding machine. 2,482,764, Sept. 27.

Hagen, Glen, Clintonville, assignor to J. J. Schumacher, Shawano, Wis. Coupling pin. 2,482,907, Sept. 27.

Hall, Horace W., Newton, Mass. Treatment of ligno-cellulosic material and product resulting therefrom. 2,483,198, Sept. 27.

Hall, William P.: *See*—
Ford, Florence M., and Hall.

Haller, John F., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Production of nitrogen dioxide. 2,483,199, Sept. 27.

Ham, William H., Bridgeport, Conn. Spinning machine. 2,483,276, Sept. 27.

Hamilton, Alfred E., Pittsburgh, Pa. Apparatus for grinding. 2,483,277, Sept. 27.

Hamilton, Alfred E., Pittsburgh, Pa. Grinding roll. 2,483,278, Sept. 27.

Hamilton, Alfred E., Pittsburgh, Pa. Grinding apparatus. 2,483,279, Sept. 27.

Hamilton, Charles W. F., Fairlie, New Zealand. Machine for earth-working, log-lifting, stock-piling, or the like. 2,483,006, Sept. 27.

Hamman, Fred I., Davis, and Lelah Lint, Oakland, Calif. Rain chap. 2,483,136, Sept. 27.

Hammond, Richard N.: *See*—
Harch, Raymond S., and Hammond.

Hanke, Reynold E., Chicago, Ill. Canvas cutter and butt joiner. 2,483,092, Sept. 27.

Hanlon & Goodman Co., assignee: *See*—
Eisner, Robert S.

Hanovia Chemical and Manufacturing Company, assignee: *See*—
Bird, Lester F.
Clark, Franklin.

Hansen, Fred, assignee: *See*—
Hansen, Harry.

Hansen, Harry, assignor of one-half to F. Hansen, Moss, Norway. Heating apparatus. 2,483,280, Sept. 27.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Broad band antenna. 2,482,767, Sept. 27.

Hansen, William W., Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Sperry Corporation. High-frequency modulating system. 2,482,766, Sept. 27.

Hansen, William W., and R. H. Varian, Garden City, N. Y., assignors to The Sperry Corporation. High-frequency modulating system. 2,482,768, Sept. 27.

Harby, Harold D., Los Angeles, Calif. Jet engine, including a combustion chamber to which gaseous fuel is delivered under pressure. 2,483,045, Sept. 27.

Harkiso Corporation, assignee: *See*—
Lloyd, Claire.

Harnischfeger Corporation, assignee: *See*—
Hettelsater, Henry C.

Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Synthesis of vitamin B_6. 2,483,137, Sept. 27.

Harrison, Arthur E., Rockville Centre, N. Y., assignor to The Sperry Corporation. High-frequency apparatus. 2,482,769, Sept. 27.

Hartford-Empire Company, assignee: *See*—
Cannon, Madison M., Jr., and Light.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Blak, Laurens.
De Groot, Folkert A.
Eaglesfield, Charles C.
Mol, Gerard C. J.

Hartsock, Robert E., Rockford, and R. W. Hense, Rock Island, Ill., assignors to J. I. Case Company, Racine, Wis. Tractor implement and control. 2,482,751, Sept. 27.

Harvey Radio Laboratories, Inc., assignee: *See*—
Cosman, Bernard J.

Harvey, Wilfred G., Leominster, Mass. Stripping and knockout mechanism for molding dies. 2,483,093, Sept. 27.

Harvey, Wilfred G., Leominster, Mass. Stripping and knockout mechanism for molding dies. 2,483,094, Sept. 27.

Harwood, Fredie H., Newport, Ark. Portable concrete mixer. 2,482,976, Sept. 27.

Hatch, Raymond S., and R. N. Hammond, assignors to Weyerhaeuser Timber Company, Longview, Wash. Growing aerobic organisms. 2,482,908, Sept. 27.

Haug, Anton J., Nashua, N. H. Pulp drainer. 2,483,200, Sept. 27.

Hawkins, William H.: *See*—
Alpern, Dwight K., Freydberg, and Hawkins.

Hayes Manufacturing Corporation, assignee: *See*—
Nelson, Augie L.

Haseltine Research, Inc., assignee: *See*—
McIlwain, Knox.

Hasleton, Lloyd W., Falls Church, Va., assignor to Bio-Research, Inc., Washington, D. C. Pharmaceutical preparations. 2,482,752, Sept. 27.

Heckert, Raymond L., Hagerstown, Md. Filing device. 2,483,046, Sept. 27.

Heerema, Jacob, Grand Rapids, assignor to The Dow Chemical Company, Midland, Mich. Copolymerizing vinylidene chloride and vinyl chloride. 2,482,771, Sept. 27.

Heeren, Lattjen H., Westmount, Quebec, Canada. Window. 2,482,772, Sept. 27.

Heimann, Heinrich, New York, and R. Feitl, Brooklyn, assignors to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Tool for handling open-ended spring retaining rings. 2,483,383, Sept. 27.

Heineman, Arnold H., Chicago, Ill., assignor to Vacuum Process Corporation. Stratosphere chamber. 2,482,753, Sept. 27.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Window for pressure chambers. 2,482,770, Sept. 27.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Francis M.

Heiduk, Arthur A., assignor to The Meriam Instrument Company, Cleveland, Ohio. Multiple well manometer. 2,483,384, Sept. 27.

Helmer, Esther H.: *See*—
Helmer, Grover H.

Helmer, Grover H., deceased, St. Louis Park, Minn., by E. H. Helmer, special administratrix, St. Louis Park, assignor to Munsingwear, Inc., Minneapolis, Minn. Automatic accessory for sewing machines. 2,483,138, Sept. 27.

Hemphill Company, assignee: *See*—
St. Pierre, Eugene.

Hendrick, Joseph V., Klamath Falls, Oreg. Painter's masking shield. 2,482,977, Sept. 27.

Henrard, Fernand J. J. J., assignor to Ecremeuses Melotte, Societe Anonyme, Remicourt, Belgium. Cone disk type centrifugal separator bowl. 2,483,342, Sept. 27.

Hense, Richard W.: *See*—
Hartsock, Robert E., and Hense.

Hercules Powder Company, assignee: *See*—
Finlayson, Alexander S.
Myers, William H.

Hergner, Wenzel J., McKeesport, Pa. Safety brake or rough lock. 2,483,048, Sept. 27.

Herr, Donald L., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Switching system. 2,483,281, Sept. 27.

Herrick, Malcolm P., Rochester, N. Y., assignor to Stromberg-Carlson Company. Loop antenna circuit. 2,483,047, Sept. 27.

Herts, Lonie M., Farmington, Mo. Magnetic hammer. 2,482,909, Sept. 27.

Hersog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method and apparatus for logging bore holes. 2,483,139, Sept. 27.

Hettelsater, Henry C., Whitefish Bay, assignor to Harnischfeger Corporation, Milwaukee, Wis. Mounting for soil treating units. 2,482,910, Sept. 27.

Hieronymus, Thomas G., Kansas City, Mo. Detection of emanations from materials and measurement of the volumes thereof. 2,482,773, Sept. 27.

Higgins, Eric B., Wellwyn, England, assignor to Tewin Industries, Inc., New York, N. Y. Proofing proteinaceous fibers against biological attack. 2,483,008, Sept. 27.

Higham, Edward H., Hale, England, assignor to General Electric Company. Cathode-ray oscillographic apparatus. 2,483,140, Sept. 27.

Higham, William W., Marion, Ohio, assignor to Newport Steel Corporation. Refrigerating apparatus. 2,483,007, Sept. 27.

Hill-Shaw Company, assignee: *See*—
Ruhnke, Edward J., and Perlman.

Hill, Thomas G.: *See*—
Van Zeln, William D., Hill, and Welden.

Hilliard, James W., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Determining columbium in iron and steel. 2,482,850, Sept. 27.

Hillyer, John C., Bartlesville, Okla., and C. H. Ice, Richand, Wash., assignors to Phillips Petroleum Company. Halogenation process. 2,483,049, Sept. 27.

Himmelfarbe, Elizabeth P., assignee: *See*—
Nemnich, Gustav.

Hinchon, Thomas J., Quincy, Mass. Conduit for electric power lines. 2,483,050, Sept. 27.

Hlavin, William S.: *See*—
Sigmund, Frank J., and Hlavin.

Hodgson, Hyland L., Scarsdale, N. Y. Razor blade sharpener. 2,483,009, Sept. 27.

Hodson, George F., Altus, Okla., assignor to Wilson & Co. Inc. Apparatus for coating eggs for breaking. 2,482,774, Sept. 27.

Hoebeke, Henry J.: *See*—
Poiglase, Thomas R., and Hoebeke.

Hoffmann-La Roche Inc., assignee: *See*—
Goldberg, Moses W., and Teitel.
Schnider, Otto.

Hollick, John G.: *See*—
Knowlton, Cutler D., and Hollick.

Hollick, John G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Removing dust from leather. 2,482,775, Sept. 27.

Holly, Arthur F., Forsyth, Mont. Cinch with spreader. 2,483,316, Sept. 27.

Holstein, John H., Chicago, Ill. Apparatus for linking sausage. 2,482,911, Sept. 27.

Holt, Edward M., Texarkana, Ark. Foldable drying rack. 2,483,051, Sept. 27.

Hooper, James M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire casing and repairing same. 2,483,010, Sept. 27.

Houlton, Harold G., assignor to The Girdler Corporation, Louisville, Ky. Grease manufacture. 2,483,282, Sept. 27.

Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Gate structure for disintegrators. 2,482,776, Sept. 27.

Howe, Albert E., Richmond Hill, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,482,777, Sept. 27.

Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Interchangeable electrical condition responsive unit. 2,483,300, Sept. 27.

Hudson, Murdock R., Kansas City, Kans. Row marking device for tractors. 2,483,011, Sept. 27.

Hughes, Edward M.: *See*—
Dougherty, Patrick F., Barton, and Hughes.

Humbert, Alfred L.: *See*—
Goldsmith, Henry A., and Humbert.

Humphrey, George N., Arlington, Mass. Shoulder rest for musical instruments. 2,483,052, Sept. 27.

Humphrey, Paul E., San Diego, Calif., assignor to the United States of America as represented by the Secretary of War. Limit stop mechanism for power-operated gun mounts. 2,483,385, Sept. 27.

Hurd, Charles D., Evanston, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Selective hydrogenation of arylnitroolefins and products thereof. 2,483,201, Sept. 27.

Hutson, Canfield: *See*—
Bludworth, Joseph E., and Hutson.

Hyman, Henry, assignee: *See*—
Grimsley, Leopold C.

Ice, Clark H.: *See*—
Hillyer, John C., and Ice.

Ilacqua, Antonio F., and J. F. Occasione, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Making coated steel wire. 2,482,978, Sept. 27.

Ilex Optical Company, assignee: *See*—
Schwars, Alfred.

Illmer, Louis, Cortland, N. Y., and V. R. Pallas, Randolph, Ohio. Reversible grinder machine for reslable strand stock. 2,483,283, Sept. 27.

Imperial Chemical Industries Limited, assignee: *See*—
Bartlett, Ronald G., Moillet, and Reynolds.

Ingels, James J., Chicago, Ill. Lock seam. 2,483,095, Sept. 27.

International Smelting and Refining Company, assignee: *See*—
McKenna, William J., Lessels, and Peterson.

International Standard Electric Corporation, assignee: *See*—
Richards, Edward A., and Ellison.
Wolfson, Henry, and Shepard.

Isakson, Stig., assignor of one-half to G. W. Schumacher, Portland, Oreg. Support for pedestals. 2,482,979, Sept. 27.

Isay, Günter H., Basel, Switzerland. Remotely controlled receiver. 2,483,053, Sept. 27.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

Jackson, W. Floyd Co., assignee: *See*—
Jackson, William F.

Jackson, William F., assignor to W. Floyd Jackson Co., Wilmington, Del. Light reflecting device. 2,483,202, Sept. 27.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Protector for automobile ignition switch coil leads. 2,483,284, Sept. 27.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,483,203, Sept. 27.

Jaworowski, Joseph F., Cleveland, and N. Jaworowski, Lakewood, Ohio. Boring tool. 2,483,096, Sept. 27.

Jaworowski, Norbert: *See*—
Jaworowski, Joseph F., and N.

Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.

Jeffrey Manufacturing Company, The, assignee: *See*—
Jeffrey, Robert K.
Lee, Arthur L.

Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Fluid actuated control mechanism. 2,483,343, Sept. 27.

Jennewein, Charles V., Cincinnati, Ohio. Combination clothesline post. 2,482,851, Sept. 27.

Jenson, Kenneth S., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Oil pilot device for tray type oil burners. 2,482,912, Sept. 27.

Jobe, John R., Houston, Tex. Pipe perforator. 2,482,913, Sept. 27.

Jochim, Helmer R., assignor to Rite-Rite Manufacturing Company, Downers Grove, Ill. Screw feed mechanical pencil with friction brake. 2,482,852, Sept. 27.

Joerren, Ernest A., Brooklyn, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure medium dispensing system. 2,482,778, Sept. 27.

Johnson, Earl S., and A. J. Anderson, assignors to Better-Bilt Manufacturing Company, Minneapolis, Minn. Ground leveling attachment for cultivators. 2,483,204, Sept. 27.

Johnson, Fred H., Pleasant Ridge, and C. F. Leathers; said Leathers, assignor to Progressive Welder Company, Detroit, Mich. Electric controller. 2,483,054, Sept. 27.

Johnson, Harwick, and V. D. Landon, Princeton, N. J., and A. M. Wiggins, South Bend, Ind., assignors to Radio Corporation of America. Signaling. 2,482,914, Sept. 27.

Johnson, Lynn E.: *See*—
Keller, Hugo F., Johnson, and Froass.

Johnson, Robert E.: *See*—
Anderson, Lloyd L., and Johnson.

Johnson, S. C., & Son, Inc., assignee: *See*—
Budner, Anton E., Beckman and Spurgat.

Jones, Bonnie G., near Williamsburg, Ky. Intermittent brake. 2,483,205, Sept. 27.

Jones, George F.: *See*—
Petty, Michael G. R. and Jones.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Transmission of tone to warn the operator of a momentary disablement of a telephone talking connection by a coin collector. 2,483,206, Sept. 27.

Joost, Delbert: *See*—
Van Scheer and Joost.

Joseph, Selig, assignor to J. Rubens, Los Angeles, Calif. Machine for counting and bottling pellets and the like. 2,483,207, Sept. 27.

Kaboskey, Benjamin F., and O. R. Quade, Milwaukee, Wis. Removable meat storage increaser. 2,482,915, Sept. 27.

Kallmann, Heinz E., New York, N. Y. Constant voltage source. 2,482,980, Sept. 27.

Kamrass, Ellis, New York, N. Y. Deep-drawn recessed decorated pleated doily. 2,482,981, Sept. 27.

Kane, Thomas M., Baltimore, Md. Automatic feeder and positioner. 2,482,916, Sept. 27.

Kaplan, Saul, Teaneck, assignor to Onyx Oil & Chemical Company, Jersey City, N. J. Scrooping composition. 2,482,917, Sept. 27.

Kats, Leo, Los Angeles, Calif. Combined can and heater. 2,482,779, Sept. 27.

Kay-Fries Chemicals, Inc., assignee: *See*—
Nicholl, Leonard, Bitler and Aschner.

Keier, William H., Toledo, Ohio. Safety strip. 2,482,982, Sept. 27.

Keller, Hugo F., Oneida, L. E. Johnson, Canastota, and P. E. Froass, Oneida, N. Y. Aviation liquid antifreeze display marker. 2,483,285, Sept. 27.

Kelley, William H., assignor of one-half to K. B. Pierce, Pittsburg, Kans. Mold. 2,483,286, Sept. 27.

Kessner, Philip, Forest Hills, N. Y. Child's garment. 2,483,344, Sept. 27.

Kidde Manufacturing Co., Inc., assignee: *See*—
Traumuller, William O.

King, Kenneth C. A.: *See*—
Pyatt, Edward C., and King.

Kirby, Davis C., Jr., United States Navy. Stemless valve. 2,482,780, Sept. 27.

Knowlton, Cutler D., Rockport, and J. G. Hollick, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Pneumatic dust removal machine for hides or skins. 2,482,781, Sept. 27.

Koon, Frederick H., Charlestown, N. H. Fishing rod holder. 2,483,012, Sept. 27.

Kopprasch, Robert W., St. Albans, assignor to Eastern Air Devices, Inc., Brooklyn, N. Y. Combination slinger spacer. 2,483,013, Sept. 27.

Koster, John, assignor to Crimora Research & Development Corporation, Crimora, Va. Purifying manganese electrolytes. 2,483,287, Sept. 27.

Krasberg, Rudolf, Chicago, Ill. Bottle cap. 2,483,055, Sept 27.

Kreitner, John: *See*—
Nettel, Frederick, and Kreitner.

Krupp, Ernest J., East Detroit, Mich. Flexible jaw chuck. 2,483,208, Sept. 27.

Kuder, Milton L.: *See*—
Smith, Carl H., Jr., and Kuder.

Kump, Ernest J., Jr., Atherton, Calif. Prefabricated building structure. 2,482,918, Sept. 27.

L. L. H. Company, assignee: *See*—
Rouy, Auguste L. M. A.

Ladd, William A., Brooklyn, assignor to Columbian Carbon Company, New York, N. Y. Microtome with rotating cutter and specimen feed mechanism supported therewith. 2,482,853, Sept. 27.

Lalanne, Edmond, and P. Grandjean, Marseille, France. Needle for making knitted fabrics and reknitting them. 2,482,919, Sept. 27.

Lambert, Francis M., Narberth, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Adjustable hinge structure. 2,482,983, Sept. 27.

Lamoreaux, Harry F., Ballston Lake N. Y., assignor to General Electric Company. Hydrolyzing chlorosilanes and preparing polysiloxane resins. 2,483,209, Sept. 27.

Lana, Edward C., and G. L., Los Angeles, Calif. Tire pressure alarm switch. 2,482,984, Sept. 27.

Lana, Garnet L.: *See*—
Lana, Edward C., and G. L.

Land, Edwin H., Cambridge, M. N. Fairbank, Belmont, and D. S. Grey, Weston, assignors to Polaroid Corporation, Cambridge, Mass. Self-developing camera apparatus. 2,483,014, Sept. 27.

Landis Machine Company, assignee: *See*—
Dunford, Ernest.

Landon, Vernon D.: *See*—
Johnson, Harwick, and Landon, and Wiggins.

La Resista Corset Company, The, assignee: *See*—
Rockwell, Eileen A.

Laurent, Charles, Paris, France. Carbon type microphone. 2,483,317, Sept. 27.

Lazan, Benjamin J., Greenwich, Conn. Oscillator. 2,483,318, Sept. 27.

Leake, James M., Monroe, Mich. Engine rocker arm. 2,483,210, Sept. 27.

Leake, James M., Monroe, Mich. Engine rocker arm. 2,483,211, Sept. 27.

Leake, James M., Monroe, Mich. Mower guard. 2,483,212, Sept. 27.

Lear, Incorporated, assignee: *See*—
Wade, Willard H.

Leathers, Chester F.: *See*—
Johnson, Fred H., and Leathers.

Lecher, Hans Z., Plainfield, and F. H. Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Alpha naphthalene sulfonic anhydride. 2,483,213, Sept. 27.

Leckie, Herbert V., Rome, N. Y. Casting electric heating units. 2,483,056, Sept. 27.

Le Cocq, Charles E.: *See*—
Baker, Harvey, and Le Cocq.

Le Cocq, Elizabeth, executrix: *See*—
Baker, Harvey, and Le Cocq.

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. 2,483,368, Sept. 27.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Bearing and shaft assembly. 2,483,345, Sept. 27.

Lee, Richard W., and R. L. Garman, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Voltage regulator tube starter. 2,483,386, Sept. 27.

Lenny, George W., Jr., and P. E. Ward, United States Naval Reserve. Pulse discrimination system. 2,482,782, Sept. 27.

Lessels, Virgil: *See*—
McKenna, William J., and Lessels, and Peterson.

Levering, William C., East Orange, N. J. Sliding fastener. 2,483,057, Sept. 27.

Levi, Samuel J., Birmingham, England. Cigarette and cigar case. 2,482,920, Sept. 27.

Levy Bros. & Adler Rochester, Inc., assignee: *See*—
Levy, Earle E.

Levy, Earle E., Pittsford, assignor to Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Detachable lining for coats. 2,483,015, Sept. 27.

Light, John S.: *See*—
Cannon, Madison M., Jr., and Light.

Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.

Lindsay, Robert W., assignor to American Enka Corporation, Enka, N. C. Removal of waste yarn from bobbins and the like. 2,482,854, Sept. 27.

Link-Belt Company, assignee: *See*—
Davis, Nelson L., Ekbom, and Millard.
Musschoot, Albert.

Lint, Lalah: *See*—
Hamman, Fred I., and Lint.

Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A., and Edelman.

Lloyd, Claire, West Palm Beach, assignor to Harkiso Corporation, Palm Beach, Fla. Door hanger. 2,482,855, Sept. 27.

Lloyd, Claire, West Palm Beach, assignor to Harkiso Corporation, Palm Beach, Fla. Door hanger. 2,482,856, Sept. 27.

Lockwood, John F., Shreveport, La. Apparatus for scraping the walls of well bores. 2,482,985, Sept. 27.

Locomotive Firebox Company, assignee: *See*—
Glos, Raymond E.

Lohutko, Floryan A., Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Dressing threaded abrasive wheels. 2,482,784, Sept. 27.

Lohutko, Floryan A., Detroit, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Threaded abrasive wheel dresser. 2,482,785, Sept. 27.

Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone alarm call system. 2,483,214, Sept. 27.

Longworth, John, Haddon Heights, and T. A. Deuber, Westville, N. J. Stem lock for dial gauges. 2,482,783, Sept. 27.

Loucony, Adolphe, Bridgeport, and H. Eick, Milford, assignors to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Sanding machine. 2,483,309, Sept. 27.

Lowther, Harry A., Co., assignee: *See*—
Douglas, Melvin.

Lueneburg, Walter C., Evanston, assignor to Ekoo Products Company, Chicago, Ill. Presure cooker cover fastener. 2,483,319, Sept. 27.

Lussier, Joseph A., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Shoe with bellows pocket upper. 2,483,016, Sept. 27.

Mack, Mathew P., Watertown, S. Dak. Vehicle signal attachment. 2,483,058, Sept. 27.

Mack, Stanley C., Cleveland, assignor to Merit Machine Company, Northfield, Ohio. Thread-cutting machine. 2,482,786, Sept. 27.

Mackintosh-Hemphill Company, assignee: *See*—
McConnell, William M., and Abramsen.

Macotta Unit Corporation, assignee: *See*—
Maul, Peter J.

Mahoney, John F., Linden, assignor to Merck & Co., Inc., Rahway, N. J. Producing dialkyl-carbamic-acid esters of dialkyl-aminoethanols. 2,483,141, Sept. 27.

Malchus, Johannes A. C., Amsterdam, Netherlands. Holder for the carbon brushes of rotary electrical machines. 2,482,921, Sept. 27.

Malek, Morris S., New York, N. Y. Centering guide for necktie linings. 2,482,857, Sept. 27.

Malin, Jay B., Fishkill, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,483,288, Sept. 27.

Mallory, P. R., & Co., Inc., assignee: *See*—
Smith, George W.
Wall, Alexander C.

Marcum, James H., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Air-line inflating gun. 2,482,922, Sept. 27.

Marsden, John B., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Inside delivery scatter feed stoker. 2,483,215, Sept. 27.

Marsh, Jas. P., Corporation, assignee: *See*—
Rose, Alexander D.

Marshall, Roy K., Narberth, Pa. Star image projecting apparatus. 2,483,216, Sept. 27.

Martin, David W., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Antenna. 2,483,217, Sept. 27.

Martin, Dorian R., Cleveland, Ohio. Reflected view mirror for automotive vehicles. 2,483,289, Sept. 27.

Martin, Glenn L., Company, The, assignee: *See*—
Miller, Leslie T.
Van Zelm, Willem D., Hill, and Welden.

Martin, Mervin E., Cumberland, Md., and M. Umansky, Summit, N. J., assignors to Celanese Corporation of America. Cellulose purification. 2,482,858, Sept. 27.

Masson, Frederick A., Winnipeg, Manitoba, Canada. Door check and closer. 2,483,142, Sept. 27.

Mastropole, Alfred J.: *See*—
Collins, John E., and Mastropole.

Mathieson Chemical Corporation, assignee: *See*—
Aston, Boyden N.
Hailer, John F.
Woodward, Eric R.

Maul, Peter J., assignor to Macotta Unit Corporation, Detroit, Mich. Wall facing unit. 2,483,346, Sept. 27.

Mayrath, Martin, Dodge City, Kans. Grain loader. 2,483,290, Sept. 27.

McClatchey, Mayme R., and E. M. Goodale, Helena, Mont. Modeling clay. 2,482,986, Sept. 27.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with air-cooled muffler. 2,482,987, Sept. 27.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater for heating air. 2,482,988, Sept. 27.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McConnell, William M., McKeesport, and F. B. Abramsen, Baldwin Township, Allegheny County, assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa. Strip coiler. 2,483,143, Sept. 27.

McConnell, William M., McKeesport, and F. B. Abramsen, Baldwin Township, Allegheny County, assignors to Mackintosh-Hemphill Company, Pittsburgh, Pa. Strip coiler. 2,483,144, Sept. 27.

McCoy, James P. A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Soldering flux. 2,482,923, Sept. 27.

McCutcheon, James, & Co., assignee: *See*—
Murtagh, Gilbert, and Platt.

McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Corporation. Converter tilting mechanism. 2,483,017, Sept. 27.

McGlynn Hays Industries, Inc., assignee: *See*—
Naylor, Victor W.

McHale, Michael J., Scranton, Pa. Flier construction. 2,483,320, Sept. 27.

McHale, Michael J., Scranton, Pa. Flier construction. 2,483,321, Sept. 27.

McIlwain, Knox, New York, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Position indicator for airborne traffic. 2,483,097, Sept. 27.

McKenna, William J., and V. Lessels, Tooele, Utah, and E. C. Peterson, Darwin, Calif., assignors to International Smelting and Refining Company. Froth flotation of oxidised zinc ores. 2,482,859, Sept. 27.

Mead, William H., assignee: *See*—
Bishop, Lewis H., and Finn.

Meath, Campbell A., Houston, Tex. Pump. 2,483,218.

Melcher, Lee W., Oconomowoc, assignor to Waukesha Motor Company, Waukesha, Wis. Engine-generator unit. 2,482,924, Sept. 27.

Melchior, Norton C.: *See*—
Morris, Rupert C., and Melchior.

Meltser, Evelyn, Brooklyn, N. Y. Renewal electric fuse plug. 2,483,018, Sept. 27.

Menne Developments, assignee: *See*—
Menne, Ray J.

Menne, Ray J., assignor to Menne Developments, East Troy, Wis. Archery bow. 2,483,145, Sept. 27.

Mercer, Dudley A., Bloomington, Ind., assignor to Moguloid Company of America, Chicago, Ill. Repairing cracked hollow metallic bodies. 2,482,925, Sept. 27.

Merck & Co., Inc., assignee: *See*—
Harris, Stanton A.
Mahoney, John F.
Rogers, Edward F., and Folkers.
Stokes, Jacob L.
Trenner, Nelson R.

Meriam Instrument Company, The, assignee: *See*—
Hejduk, Arthur A.

Merit Machine Company, assignee: *See*—
Mack, Stanley C.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,483,146, Sept. 27.

Metals and Controls Corporation, assignee: *See*—
Chace, Paul G.
Wilson, Harold M.

Meyer, Paul H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Food pusher for slicing machines. 2,482,787, Sept. 27.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Intermediate products in the production of dialkylamino vitamin A's. 2,483,347, Sept. 27.

Millard, Everett L., Highland Park, Ill. Supplying agents to the digestive tract. 2,483,098, Sept. 27.

Millard, Laurance O.: *See*—
Davis, Nelson L., Ekbom, and Millard.

Miller, Charles F., assignor to Price Electric Corporation, Frederick, Md. Core for electromagnets. 2,482,860, Sept. 27.

Miller, Edward G., and R. E. Engberg, Clayton, assignors to Alco Valve Company, Maplewood, Mo. Motor operated valve. 2,483,322, Sept. 27.

Miller, Floyd C., Los Angeles, Calif. Lawn trimmer. 2,483,292, Sept. 27.

Miller, Leslie T., Stoneleigh, assignor to The Glenn L. Martin Company, Middle River, Md. Oil temperature control. 2,483,291, Sept. 27.

Milligan, Joseph H., Framingham, Mass. Door lock. 2,482,926, Sept. 27.

Minarik, Rudolf G., Neenah, Wis., and W. L. Ryman, Pittsburgh, Pa. Abrasive and buffing belt. 2,483,293, Sept. 27.

Mine Safety Appliances Company, assignee: *See*—
Nelms, George C.

Miner, James B., Portland, Oreg. Acetylene cutting torch and guide. 2,483,294, Sept. 27.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Ehret, Robert J.

Missouri Automatic Control Corporation, assignee: *See*—
Newman, Eric P.

Moguloid Company of America, assignee: *See*—
Mercer, Dudley A.

Moilliet, John L.: *See*—
Bartlett, Ronald G., Moilliet, and Reynolds.

Moineau, Adele, administratrix, assignee: *See*—
Moineau, René J. L.

Moineau, René J. L., deceased, Paris, France; A. Moineau, administratrix, assignor to Robbins & Myers, Inc., Springfield, Ohio. Helical multiple pump. 2,483,370, Sept. 27.

Mol, Gerard C. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Photographic reproduction and projection device for cathode-ray tube screens. 2,483,147, Sept. 27.

Monitor Controller Company, The, assignee: *See*—
Frese, Joseph F.

Monowatt, Incorporated, assignee: *See*—
Benander, George B.

Monsanto Chemical Company, assignee: *See*—
Mowry, David T.

Montagné, Elisée, Saint-Girons, assignor to Societe L'Entreprise Industrielle, Paris, France. Testing reduced scale patterns of engineering works. 2,482,861, Sept. 27.

Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Portable marine drilling structure. 2,482,788, Sept. 27.

Moore, Roosevelt, Orange, N. J. Circumferentially traveling type tire mounting device. 2,482,789, Sept. 27.

Morris, Earl D.: *See*—
Amos, James L., and Morris.

Morris Paper Mills, assignee: *See*—
Arneson, Edwin L.

Morris, Rupert C., and N. C. Melchior, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polyalkylated monohydroxy cyclic sulfones. 2,483,219, Sept. 27.

Morris, Steward G., Philadelphia, and R. W. Riemenschneider, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of polyhydroxy-benzoic acids. 2,483,099, Sept. 27.

Morrison, Willard L., Lake Forest, Ill. Method and apparatus for chilling containers. 2,483,100, Sept. 27.

Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Bit. 2,483,220, Sept. 27.

Morrow, Harry M., Canton, Ohio, assignor to The Bowdil Company. Bit with protected insert. 2,483,221, Sept. 27.

Mortimer, Edmund W., assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, Wiltshire, England. Mounting of gramophone units. 2,483,295, Sept. 27.

Moss, Willard F., Chicago, Ill. Tractor seat cushion. 2,483,222, Sept. 27.

Moss, Willard F., Chicago, Ill. Tractor seat cover. 2,483,223, Sept. 27.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Esters of phthalideneacetic acid and their preparation. 2,483,371, Sept. 27.

Muchmore, Thomas F. C.: *See*—
Goodrich, Ralph D., Jr., and Muchmore.

Munro, Gordon, Dorchester, Mass. Marine construction. 2,482,927, Sept. 27.

Munsingwear, Inc., assignee: *See*—
Helmer, Grover H.

Murphy, Daniel, New Castle, Pa. Primer for pumps and the like. 2,483,019, Sept. 27.

Murtagh, Gilbert, and J. B. Platt, assignors to James McCutcheon & Co., New York, N. Y. Sofa bed construction. 2,483,296, Sept. 27.

Musschoot, Albert, Chicago, Ill., assignor to Link-Belt Company. Hydraulic vibrator. 2,482,790, Sept. 27.

Mussett, Norman D., Croydon, England. Device for moistening tape and other articles. 2,482,989, Sept. 27.

Myers, William H., assignor to Hercules Powder Company, Wilmington, Del. Treatment of cellulose ethers. 2,482,862, Sept. 27.

Napier, D., & Son Limited, assignee: *See*—
Catford, Adrian L.

Narcovich, Adolph J., Ashland, Pa. Pedal mechanism. 2,483,224, Sept. 27.

National Lead Company, assignee: *See*—
Van Mater, Henry L.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Cummerow, Robert L., and Davis.
Gongwer, Calvin A.

Naylor, Victor W., Arlington, assignor, by mesne assignments, to McGlynn Hays Industries, Inc., Belleville, N. J. Pressure cooker. 2,483,297, Sept. 27.

Neff, Augusta and G. W., Philadelphia, Pa. Needle hairbrush. 2,482,928, Sept. 27.

Neff, George W.: *See*—
Neff, Augusta and G. W.

Nelms, George C., assignor, by mesne assignments, to Mine Safety Appliances Company, Pittsburgh, Pa. Hat with replaceable sweatband. 2,483,101, Sept. 27.

Nelson, Augie L., assignor to Hayes Manufacturing Corporation, Grand Rapids, Mich. Bottle holding drum structure. 2,483,059, Sept. 27.

Nelson, Melvin E., Burbank, Calif., assignor to M. M. Burns. Impulse-controlled timer for energising devices for preselected periods. 2,483,020, Sept. 27.

Nelson, Noble A., Chicago, Ill., assignor of one-fifth to H. Freevol, one-fifth to S. Smedberg, one-fifth to H. Brandon, and one-fifth to C. C. Anderson. Snubber for fishing reels. 2,482,863, Sept. 27.

Nemnich, Gustav, assignor of one-fourth to M. Nemnich, one-fourth to J. Himmelfarbe, and one-fourth to E. P. Himmelfarbe, Huntington Station, N. Y. Liquid fuel carburetor. 2,482,864, Sept. 27.

Nemnich, Margaret, assignee: *See*—
Nemnich, Gustav.

Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Naval power plant. 2,482,791, Sept. 27.

Nevills, Lester J., Lemay, assignor of one-half to Stupp Bros. Bridge & Iron Company, St. Louis, Mo. Fluorescent lamp circuit. 2,483,225, Sept. 27.

Newby, Frederic L. and R. F., Anderson, Ind. Device for dehairing animal hides and pelts. 2,483,848, Sept. 27.

Newby, Richard F.: *See*—
Newby, Frederic L. and R. F.

New Jersey Zinc Company, The, assignee: *See*—
Truesdale, Edward C.

Newman, Edwin B., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Electronic noise generator. 2,483,226, Sept. 27.

Newman, Eric P., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, Safety control system for burners. 2,483,298, Sept. 27.

Newport Steel Corporation, assignee: *See*—
Higham, William W.

New Process Screw Corporation, assignee: *See*—
De Vellier, William A.

Nicholl, Leonard, Nyack, W. Bitler, Haverstraw, and T. C. Aschner, New Rochelle, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Preparing phenyl ethyl alcohol. 2,483,323, Sept. 27.

Nicolle, Charles, Gentilly, France. Apparatus for the distribution of pulverulent products. 2,483,148, Sept. 27.

Niedelman, Samuel, New York, N. Y., and M. Rauscher, Arlington, Mass., assignors to Avitecnica, Inc., New York, N. Y. Drill positioning mechanism. 2,483,060, Sept. 27.

Nierenberg, Louis, Brooklyn, N. Y. Manufacture of furs. 2,482,929, Sept. 27.

Niles-Bement-Pond Company, assignee: *See*—
Lebuhn, Florian A.
Rose, Walter F.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Television film projection with synchronized discharge lamp. 2,483,149, Sept. 27.

Norman, Wayne A.: *See*—
Rheinfrank, George B., Jr., and Norman.

North American Aviation, Inc., assignee: *See*—
Cooper, Millis W.

Norwood, Joseph W., Los Angeles, Calif. Golf instructing device. 2,482,930, Sept. 27.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Roll heating and cooling. 2,483,021, Sept. 27.

Occasione, John F.: *See*—
Iiacqua, Antonio F., and Occasione.

Ohio Carbon Company, The, assignee: *See*—
Stoffel, Lester L.

Old Mission Packing Corporation, Ltd., assignee: *See*—
Buckner, William N.

Olin Industries, Inc., assignee: *See*—
Crockett, Harry L.
Sefried, Harry H., II.

Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun primer mechanism. 2,482,965, Sept. 27.

Olson, Frederick A., Syracuse, N. Y., assignor to General Electric Company. Indicator device. 2,483,150, Sept. 27.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring blank. 2,482,990, Sept. 27.

Omans, Leland E., Detroit Lakes, Minn. Window fastener. 2,483,061, Sept. 27.

O'Neill, Clara L., Blakeley Island, Ala. Baby play pen. 2,483,022, Sept. 27.

Onyx Oil & Chemical Company, assignee: *See*—
Kapian, Saul.

Othmer, Donald F.: *See*—
Schmutzler, Alfred F., and Othmer.

Owen, Haddon S., assignor to Dennison Manufacturing Company, Framingham, Mass. Adjustable feed finger for feeding ticket strips. 2,483,227, Sept. 27.

Owen, Nasser D., Albuquerque, N. Mex. Single-line hydraulic system. 2,482,792, Sept. 27.

Paine, Louis A., and K. M. Smith, West Lafayette, assignors to Duncan Electric Manufacturing Company, La Fayette, Ind. Connecting mechanism for demand meters. 2,482,793, Sept. 27.

Pallas, Vernon E.: *See*—
Ilmer, Louis, and Pallas.

Palmer, Lawrence F., Mentor, assignor to A. H. Bower, Toledo, Ohio, as trustee. Compound angle measuring device. 2,483,228, Sept. 27.

Parker, Edwin E.: *See*—
Warren, Glenn B., and Parker.

Parker, Elbert B., Oklahoma City, Okla. Circle cutting machine. 2,483,229, Sept. 27.

Parsons Corporation, assignee: *See*—
Parsons, John T., and Brogren.

Parsons, John T., and E. R. Brogen, Traverse City, assignors, by mesne assignments, to Parsons Corporation, Detroit, Mich. Process of and apparatus for securing parts to rotor blade spars. 2,483,230, Sept. 27.

Paully, Frank G., Chatham, N. J. Measurement of electrochemical potentials. 2,483,299, Sept. 27.

Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heavy gravity liquid separation of porous catalyst. 2,483,372, Sept. 27.

Penick, S. B., & Company, assignee: *See*—
Baron, Abraham L.

Pennsylvania Engineering Corporation, assignee: *See*—
McFeaters, Harry L.

Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Corkery, Frank W., and Burroughs.

Perkerson, Fred S., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Bonding of rubber to fibrous materials. 2,482,931, Sept. 27.

Periman, Henry S.: *See*—
Ruhnke, Edward J., and Periman.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Loudspeaking telephone set with low acoustic coupling. 2,483,231, Sept. 27.

Peterson, Ernest C.: *See*—
McKenna, William J., and Lessels, and Peterson.

Peterson, Olaf J., Zumbrota, Minn. Corn drier. 2,483,324, Sept. 27.

Peterson, Robert E., Los Angeles, Calif., assignor to Repeter Products, Inc., Long Island City, N. Y. Portable lighter and the like. 2,482,794, Sept. 27.

Petrocarbon Limited, assignee: *See*—
Rowley, Derrick, Steiner, and Zimkin.

Petty, Michael G. R., Devizes, and G. F. Jones, Aldwych, London, assignors to Commercial Patents Limited, London, England. Hydraulic power installation. 2,483,349, Sept. 27.

Philabaum, Robert W., deceased, Elkhart County, by T. Philabaum, administratrix, Elkhart, Ind. Ground speed and drift indicator. 2,482,795, Sept. 27.

Philabaum, Thelma, administratrix: *See*—
Philabaum, Robert W.

Philbrick, Frank H., Evanston, Ill. Ballast tamping machine for railways. 2,482,796, Sept. 27.

Philco Corporation, assignee: *See*—
Dolberg, Charles E.

Phillips Petroleum Company, assignee: *See*—
Boninger, Otto R.
Hillyer, John C., and Ica.

Phinney, John A., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Production of carbon monoxide and hydrogen. 2,482,866, Sept. 27.

Phipps Products Co., assignee: *See*—
Goldsmith, Henry A., and Humbert.

Picut, Frederick C., Westfield, assignor to Reconomy Faucet Company, Newark, N. J. Dispensing nozzle. 2,482,867, Sept. 27.

Pierce, Katheryn B., assignee: *See*—
Kelley, William H.

Pierson, Robert M., Hudson, Ohio. Refractometer employing photosensitive devices and use of the same. 2,483,102, Sept. 27.

Pirwitz, Friedrich A. G., assignor to Wollensak Optical Company, Rochester, N. Y. Flashlight and shutter synchroniser having adjustable switch actuating member. 2,483,023, Sept. 27.

Platt, Joseph B.: *See*—
Murtagh, Gilbert, and Platt.

Polaroid Corporation, assignee: *See*—
Land, Edwin H., Fairbank, and Grey.

Polglase, Thomas E., Spring Lake, and H. J. Hoebeke, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Shipping package for heavy spools. 2,482,869, Sept. 27.

Pollard, Charles E., Detroit, Mich. Fifth wheel assembly. 2,482,868, Sept. 27.

Polye, William R., River Edge, and W. E. Brandau, Westwood, assignors to Bendix Aviation Corporation, Teterboro, N. J. Temperature probe of the thermocouple type. 2,483,350, Sept. 27.

Precision Metal Works, assignee: *See*—
Shepherd, Nathaniel T.

Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Shutter release for folding cameras. 2,483,232, Sept. 27.

Prentiss Wabers Products Co., assignee: *See*—
Jenson, Kenneth S.

Price Electric Corporation, assignee: *See*—
Miller, Charles F.

Price, Johnnie P., Monticello, and W. T. Stover, Little Rock, Ark. Speculum. 2,483,233, Sept. 27.

Price, Louis P., Honolulu, Territory of Hawaii. Prefabricated cesspool structure. 2,482,870, Sept. 27.

Pringle, William A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,483,151, Sept. 27.

Production Inventions, Inc., assignee: *See*—
Smulski, Theodore J.

Progressive Welder Company, assignee: *See*—
Johnson, Fred H., and Leathers.

Puls, Alfred E., Cleveland, Ohio, and E. R. Swenson, assignors, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Combined table and chair. 2,483,062, Sept. 27.

Pyatt, Edward C., and K. C. A. King, assignors to Telephone Manufacturing Company Limited, London, England. Electrical testing and indicating system. 2,482,932, Sept. 27.

Quade, Otto R.: *See*—
Kaboskey, Benjamin F., and Quade.

Queneau, Augustin L. J., Morristown, N. J. Glass impregnated carbon articles. 2,482,923, Sept. 27.

Quinnell, Earle D., U. S. Army, Carlisle Barracks, and C. L. Eppley, Mount Holly Springs, Pa. Pressureless gasoline stove. 2,482,797, Sept. 27.

Radio Corporation of America, assignee: *See*—
Johnson, Harwick, Landon, and Wiggins.
Roberds, Wesley M.

Radke, Carroll V., assignee: *See*—
Adams, Moxel A.

Raimondi, Rinaldo, Zurich, Switzerland. Magazine pencil. 2,483,103, Sept. 27.

Rainbolt, Paul, and C. E. Barber, Albany, Mo. Automatic grinding machine for mower sickles. 2,482,934, Sept. 27.

Rapport, Solomon, New York, N. Y. Paper roll holder. 2,482,871, Sept. 27.

Rapport, Solomon, New York, N. Y. Nailing machine. 2,482,872, Sept. 27.

Rast, Frederick Q., Rochester, N. Y., assignor to Commercial Controls Corporation. Value printing and registering mechanism. 2,482,935, Sept. 27.

Rauland Corporation, The, assignee: *See*—
Spindler, Joseph C.

Rauscher, Manfred: *See*—
Niedelman, Samuel, and Rauscher.

Ray, Don, Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Carton forming device. 2,483,063, Sept. 27.

Reed Roller Bit Company, assignee: *See*—
Boice, Elvin G.

Refining, Unincorporated: *See*—
Clayton, Benjamin.

Regina S. A., assignee: *See*—
Ancet, Victor M. J.

Reich, Gustave T., Philadelphia, Pa. Method of and apparatus for commodity preservation with carbon dioxide. 2,483,004, Sept. 27.

Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Filter for coffee makers. 2,483,104, Sept. 27.

Reininger, George, Irondequoit, N. Y. Boring tool holder. 2,483,152, Sept. 27.

Reliance Electric & Engineering Company, The, assignee: *See*—
Fuller, John L.

Rennick, John L., Elmwood Park, Ill., assignor to Zenith Radio Corporation. Combined inductance and capacity tuner. 2,483,105, Sept. 27.

Renoux, Pierre E., Aix-en-Provence, France. Rotating wing for aircraft. 2,482,936, Sept. 27.

Repeter Products, Inc., assignee: *See*—
Peterson, Robert E.

Republic Aviation Corporation, assignee: *See*—
Gitz, John, and Boyajian.

Research Corporation, assignee: *See*—
Milas, Nicholas A.

Reusa, Herbert, assignee: *See*—
Skidmore, Frank O.

Reynolds, Reginald J. W.: *See*—
Bartlett, Ronald G., Moilliet, and Reynolds.

Rheinfrank, George B., Jr., Perrysburg, Ohio, and W. A. Norman, Dubuque, Iowa. Aircraft wing and manufacture. 2,482,798, Sept. 27.

Richards, Edward A., and L. J. Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Dry contact type electrically asymmetric device. 2,482,799, Sept. 27.

Richardson, Max C., Portland, Oreg. Safe incandescent lamp. 2,483,351, Sept. 27.

Richmond Mica Company, assignee: *See*—
Brown, Potter M., Jr.

Richmond Pierce Dye Works, Inc., assignee: *See*—
Haeberlin, George.

Riemenschneider, Roy W.: *See*—
Morris, Steward G., and Riemenschneider.

Rite-Rite Manufacturing Company, assignee: *See*—
Jochim, Helmer R.

Robbins & Myers, Inc., assignee: *See*—
Moineau, René J. L.

Roberds, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Cooled, high-frequency electric cable. 2,483,301, Sept. 27.

Roberts, Fred T., Ridgefield, Conn. Making hollow rubber articles. 2,483,234, Sept. 27.

Roberts, John, San Francisco, Calif. Multiple valve and packing therefor. 2,482,873, Sept. 27.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparation of hydrocarbon-substituted halogenosilanes. 2,483,373, Sept. 27.

Rockwell, Eileen A., assignor to The La Resista Corset Company, Bridgeport, Conn. Undergarment. 2,483,302, Sept. 27.

Rogers, Edward F., Middletown, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Esters of penicillin 8-dioxide. 2,483,235, Sept. 27.

Roland, Helen, Ringoes, N. J. Lipstick applicator. 2,482,874, Sept. 27.

Rona, Gustav G., assignor to Corona Enterprises, Inc., New York, N. Y. Decorative material for handbags. 2,483,236, Sept. 27.

Rooke, Robert M., Long Branch, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening of internal cylindrical surfaces. 2,482,937, Sept. 27.

Rose, Alexander D., Park Ridge, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Retard gauge construction. 2,483,237, Sept. 27.

Ross, Walter F., Northville, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Gear grinding and lapping machine. 2,482,800, Sept. 27.

Roters, Herbert C., Roslyn, assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y. Manufacturing dynamoelectric machines. 2,483,024, Sept. 27.

Roth, Norbert, assignee: *See*—
Gregor, Fred.

Rousso, Jacques, Los Angeles, Calif. Towel-holding and storing means. 2,483,153, Sept. 27.

Rony, Auguste L. M. A., New York, N. Y., assignor to L. L. H. Company, Erie, Pa. Electrostatic measurement of high-frequency voltage. 2,482,801, Sept. 27.

Rowley, Derrick, London, H. Steiner, Eccles, and B. Zimkin, Sale, assignors to Petrocarbon Limited, London, England. Solvent extraction of penicillin. 2,482,938, Sept. 27.

Rubber-Stichting, assignee: *See*—
Van der Meer, Samuel.

Rubens, Jerome, assignee: *See*—
Joseph, Selig.

Rubinstein, David: *See*—
Young, Harland H., and Rubinstein.

Ruebel, Clarence C., Fort Dodge, Iowa. Hand printing device. 2,482,939, Sept. 27.

Ruhnke, Edward J., and H. S. Periman, assignors, by mesne assignments, to Hill-Shaw Company, Chicago, Ill. Filter for beverage brewing apparatus. 2,482,940, Sept. 27.

Ryan, John D.: *See*—
Erickson, Arvid M., and Ryan.

Rycroft, Norman, Blackburn, Leamington Spa, assignor of one-half to Cornercroft Limited, Coventry, England. Electric heating system for buildings. 2,483,154, Sept. 27.

Ryman, Walter L.: *See*—
Minarik, Rudolf G., and Ryman.

Rysick, Walter J., Fort Wayne, Ind. Clasping means for frictionally holding articles in suspension. 2,483,303, Sept. 27.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Fabric guiding device. 2,483,255, Sept. 27.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Alignment controlling packaging machine. 2,483,155, Sept. 27.

Sanders, Dorothy M., and I. V. Avey, San Marcos, Tex. Rag doll. 2,483,325, Sept. 27.

Sanders, Joseph J., Philadelphia, Pa. Headstock fixture for grinding cutting tools. 2,482,802, Sept. 27.

Sandoz Limited, assignee: *See*—
Steinemann, Willy.

Santley, Frances T.: *See*—
Santley, Joseph F., and F. T.

Santley, Joseph F., and F. T., San Francisco, Calif. Pack-away table for portable sewing machines. 2,483,106, Sept. 27.

Sark, Astra I., Ollerton, Knutsford, England. Multicolor printing. 2,482,941, Sept. 27.

Sartain, Louis E.: *See*—
Carter, Edward H., and Sartain.

Satona Limited, assignee: *See*—
Vivian, George S.

Sawyer, Marc C., Otsego County, assignor to Bendix Aviation Corporation, New York, N. Y. Magneto generator. 2,482,875, Sept. 27.

Scalera, Mario, Somerville, N. J., assignor to American Cyanamid Company, New York, N. Y. Purification of vat dyestuffs. 2,483,238, Sept. 27.

Schall, Myron R., Sacramento, Calif. Down indicator for football games with cross-shaped rotor and T-shaped case. 2,482,876, Sept. 27.

Schildknecht, Calvin E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Partially depolymerising vinyl ether polymers. 2,483,374, Sept. 27.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of ethylene. 2,482,877, Sept. 27.

Schmidt, Otto W.: *See*—
Carswell, Firman L., and Schmidt.

Schmidt, William E., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Reinforced refractory pipe insulation. 2,482,878, Sept. 27.

Schmits, Henry A., Jr., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Joint seal for pressure vessels or the like. 2,483,156, Sept. 27.

Schmutzler, Alfred F., Teaneck, N. J., and D. F. Othmer, Coudersport, Pa. Protein dispersions and their use in printing inks. 2,482,879, Sept. 27.

Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stabilized solution of 1-methyl-5-isopropyl-5-allyl barbituric acid sodium salt. 2,483,487, Sept. 27.

Schroder, Howard C.: *See*—
Clute, Foster L., and Schroder.

Schumacher, George W., assignee: *See*—
Isakson, Stig.

Schumacher, Jack J., assignee: *See*—
Hagen, Glen.

Schwager, Eduard, and J. Bindler, assignors to J. R. Geigy A-G., Basel, Switzerland. Textile assistants made from synthetic tanning agents and ammonium compounds. 2,482,942, Sept. 27.

Schwandt, Howard V., Weston, Oreg. Swinging saw fence construction. 2,483,326, Sept. 27.

Schwartz, Edward S., and L. V. Dawson, Excelsior Springs, Mo. Bell boot for horses. 2,483,065, Sept. 27.

Schwarz, Alfred, assignor to Ilex Optical Company, Rochester, N. Y. Camera shutter mechanism with focusing stop. 2,483,025, Sept. 27.

Scientific Research and Development, United States of America as represented by the Executive Secretary of the Office of, assignee: *See*—
Newman, Edwin B.

Scruggs, Thomas M.: *See*—
Brockman, Edward J., and Scruggs.

Sealed Power Corporation, assignee: *See*—
Olson, Holly M.

Sefried, Harry H., II, assignor to Olin Industries, Inc., New Haven, Conn. Gas-operated self-loading firearm. 2,482,880, Sept. 27.

Senn Corporation, assignee: *See*—
Coake, Charles F.

Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric filling stop motion for looms. 2,482,943, Sept. 27.

Settecasi, Peter, New York, N. Y. Article dispensing device. 2,483,352, Sept. 27.

Sevelihac, Francois and P., L. Caseneuve, and P. Catharina, Toulouse, France. Pincer device for removably securing a dental prothesis. 2,483,353, Sept. 27.

Sevelihac, Pierre: *See*—
Sevelihac, Francois and P., Caseneuve, and Catharina.

Shanklin, John P., Baltimore, Md., assignor to Bendix-Aviation Corporation, South Bend, Ind. Antenna system. 2,483,240, Sept. 27.

Shapiro, Abram: *See*—
Ciski, Irving and Shapiro.

Sharp, Andrew G., Pittsburgh, Pa. Illuminable novelty. 2,483,107, Sept. 27.

Sharpe, John C., Hayward, Calif. Multiple pressure fluid motor mechanism for pushing and pulling. 2,483,239, Sept. 27.

Shell Development Company, assignee: *See*—
Goren, Mayer B.
Morris, Rupert C., and Melchior.

Shepard, Stanley C.: *See*—
Wolfson, Henry, and Shepard.

Shepherd, Nathaniel T., Salt Lake City, Utah, assignor of one-half to Precision Metal Workers, Chicago, Ill. Caster guard. 2,483,241, Sept. 27.

Shore, Richard B., Waterloo, Iowa, assignor to Deere Manufacturing Co. Pipe joint. 2,482,944, Sept. 27.

Sigmund Corporation, assignee: *See*—
Sigmund, Frank J., and Hlavin.

Sigmund, Frank J., and W. S. Hlavin, Cleveland, Ohio, assignors to Sigmund Corporation. Protecting means for electrical windings. 2,483,066, Sept. 27.

Signal Oil and Gas Company, assignee: *See*—
Moon, James.

Silex Company, The, assignee: *See*—
Reichold, Ludwig.

Silverman, Herman, Ottumwa, Iowa. Rail fastener for wooden beds. 2,483,067, Sept. 27.

Silverman, Leslie, Dover, Mass., and J. F. Ege, Jr., Baltimore, Md. Determination of chromium compounds in gaseous atmospheres. 2,483,108, Sept. 27.

Singer, John L., St. Petersburg, Fla.; R. B. Singer, administratrix of said J. L. Singer, deceased. Mouth-protective bit. 2,483,157, Sept. 27.

Singer, Rose B., administratrix: *See*—
Singer, John L.

Skidmore, Frank O., assignor of one-half to H. Reuss, Cuyahoga Falls, Ohio. Clothes prop or the like. 2,483,388, Sept. 27.

Smedberg, Sam, assignee: *See*—
Nelson, Noble A.

Smith, A. O., Corporation, assignee: *See*—
Schmitz, Henry A., Jr.

Smith, Carl F., Faribault, Minn. Drying rack. 2,483,242, Sept. 27.

Smith, Carl H., Jr., Arlington, Va., and M. L. Kuder, Washington, D. C. Electronic signal shaping circuit. 2,482,808, Sept. 27.

Smith, Chester J., Mishawaka, Ind. Lifting device or elevator. 2,483,109, Sept. 27.

Smith, Clarence C.: *See*—
Christensen, Norman V., and Smith.

Smith, George W., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Rectifier treatment. 2,483,110, Sept. 27.

Smith, Kenneth M.: *See*—
Paine, Louis A., and Smith.

Smith, Sidney E., Ukiah, Calif. Sash balance. 2,483,068, Sept. 27.

Smith, Stephen, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Flame hardening. 2,482,945, Sept. 27.

Smulski, Theodore J., Gary, Ind., assignor to Productive Inventions, Inc. Fluid transmission connection for cleaner wipers. 2,483,243, Sept. 27.

Snook, Benjamin H., Denver, Colo. Heating jacket for cooking utensils. 2,483,069, Sept. 27.

Societe L'Entreprise Industrielle, assignee: *See*—
Montagne, Elisee.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Payne, John W.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,483,159, Sept. 27.

Sonner, Edwin W., Jr., Queens Village, N. Y. Guard for fishing hooks. 2,482,881, Sept. 27.

Sorensen, Edward M., Dayton, Ohio. Frequency measuring device and remote-control system. 2,482,804, Sept. 27.

Southern California Gas Company, assignee: *See*—
Warren, Harry L.

Specialties Development Corporation, assignee: *See*—
Joerren, Ernest A.

Sperry Corporation, The, assignee: *See*—
Hansen, William W.
Hansen, William W., and Varian.
Harrison, Arthur E.
Thompson, Herbert H.

Spillman, Amos L. C., Charlotte, Iowa. Self-locking hitch pin. 2,483,111, Sept. 27.

Spindler, Joseph C., assignor to The Rauland Corporation, Chicago, Ill. Automatic frequency control circuit. 2,483,070, Sept. 27.

Sprung, Murray M., Scotia, N. Y., and D. F. Wilcock, Saugus, Mass., assignors to General Electric Company. Liquid organo-substituted polysiloxanes. 2,483,158, Sept. 27.

Spurgat, Edward: *See*—
Budner, Anton E., Buckman, and Spurgat.

Stafford, Charles E., U. S. Army, Mira Loma, Calif. Container band severing tool. 2,482,805, Sept. 27.

Stahn, James A., Racine, Wis. Lubrication system. 2,482,806, Sept. 27.

Stalowski, Walter A., Elisabeth, N. J. Clamp or ligature for clarinets, saxophones, and similar instruments. 2,483,327, Sept. 27.

Stamm, Robert F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Wernicke prism spectrometers and improved liquids therefor. 2,483,244, Sept. 27.

Standard Oil and Gas Company, assignee: *See*—
Phinney, John A.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Marsden, John B.

Steinemann, Willy, Basel, assignor to Sandoz Limited, Fribourg, Switzerland. Monoazo dyestuffs and making same. 2,482,946, Sept. 27.

Steiner, Herbert: *See*—
Rowley, Derrick, Steiner, and Zimkin.

Steinhart, Edward F., Wildwood Crest, N. J. Fishing lure. 2,483,245, Sept. 27.

Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. D. N.

Stiffel, Theophile A., Chicago, Ill. Lamp shade. 2,483,354, Sept. 27.

Stine, Lester G., Harrisburg, Pa. Fishing rod. 2,483,071, Sept. 27.

Stoffel, Lester L., Lakewood, assignor to The Ohio Carbon Company, Cleveland, Ohio. Lamp socket and resistor therefor. 2,483,247, Sept. 27.

Stokes, Jacob L., Scotch Plains, assignor to Merck & Co., Inc., Rahway, N. J. Preparing compounds having folic acid activity. 2,483,248, Sept. 27.

Stonich, William H., Boulder Junction, Wis. Fish stringer. 2,483,072, Sept. 27.

Stover, William T.: *See*—
Price, Johnnie P., and Stover.

Stribley, Josephine M., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Separation of primary, secondary, and tertiary alcohols by azeotropic distillation. 2,483,246, Sept. 27.

Stromberg-Carlson Company, assignee: *See*—
Herrick, Malcolm P.

Strother, Loy M., Albemarle, N. C. Cigarette lighter. 2,482,807, Sept. 27.

Strub, René, La Chaux-de-Fonds, Switzerland. Gas turbine system. 2,483,073, Sept. 27.

Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Meat tendering machine. 2,482,991, Sept. 27.

Stupp Bros. Bridge & Iron Company, assignee: *See*—
Nevills, Lester J.

Sturtevant, Mark J., assignor to Wingfoot Corporation, Akron, Ohio. Outboard motor mounting. 2,483,249, Sept. 27.

Suggs, Thomas F., assignor to Cocker Machine and Foundry Company, Gastonia, N. C. Magazine creel. 2,483,160, Sept. 27.

Summerbell, Edith M., executrix: *See*—
Summerbell, William.

Summerbell, William, Washington, D. C.; E. M. Summerbell, executrix of said W. Summerbell, deceased. Adapter for guns. 2,482,808, Sept. 27.

Sun Oil Company, assignee: *See*—
Dougherty, Patrick F., Barton, and Hughes.

Suter, Hans, assignor to Ciag Limited, Schaffhausen, Switzerland. Production of new derivatives of pyridine-3-carboxylic acid. 2,483,250, Sept. 27.

Swain, Gurdon, Houston, Tex. Trailer hitch and brake-actuating means. 2,483,074, Sept. 27.

Swanson, Carl O., Minneapolis, Minn. Self-cleaning door mat. 2,482,882, Sept. 27.

Swarbrick, John, Nokomis, Ill. Display device. 2,482,947, Sept. 27.

Swenson, Edward R.: *See*—
Puls, Alfred E., and Swenson.

Swift & Company, assignee: *See*—
Young, Harland H., and Rubinstein.

Sykes, Charles, Sheffield, England, and C. W. Wright, deceased, late of Sheffield, England, by D. Wright, executrix, assignors to Thos. Firth & John Brown Limited, Sheffield, England. Production of columbium containing steel. 2,482,948, Sept. 27.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,483,375, Sept. 27.

Tankovich, Nicholas, Columbus, Ohio. Concrete pipe forming machine. 2,482,949, Sept. 27.

Teitel, Sidney: *See*—
Goldberg, Moses W., and Teitel.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Andersson, Sven G.

Telephone Manufacturing Company Limited, assignee: *See*—
Pyatt, Edward C., and King.

Temple, Harold F., Freeport, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Tube extruding die and method. 2,483,376, Sept. 27.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Explosively actuated blind riveting apparatus. 2,483,112, Sept. 27.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Terwilliger, Frederick G., Cleveland Heights, Ohio. Coating material. 2,483,113, Sept. 27.

Tersini, Giulio L., Camden, N. J. Food grater. 2,483,161, Sept. 27.

Tewin Industries, Inc., assignee: *See*—
Higgins, Eric B.

Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.

Texas Company, The, assignee: *See*—
Gaucher, Leon P.
Herzog, Gerhard.
Malin, Jay B.

Thermal Liquids, Inc., assignee: *See*—
Oaks, Orion O.

Thomas, John H., North Chicago, Ill., assignor to The American Steel and Wire Company of New Jersey. Wire tooth. 2,482,883, Sept. 27.

Thomas, Phillip G., Leatherhead, England. Screw adjustment comparator. 2,483,328, Sept. 27.

Thompson, Herbert H., Huntington, assignor to The Sperry Corporation, Great Neck, N. Y. Radio craft guidance system. 2,482,809, Sept. 27.

Thorn, Maurice S.: *See*—
Tognola, Tullio, and Thorn.

Thwaites, Leslie B., Cubbington, near Leamington Spa, England. Trailer-mounted lifting apparatus. 2,483,356, Sept. 27.

Timken-Detroit Axle Company, The, assignee: *See*—
Alden, Herbert W.

Toftey, Abner S., Kanawha, Iowa. Post puller. 2,482,950, Sept. 27.

Tognola, Tullio, Sidney, and M. S. Thorn, Oneonta, assignors to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,482,884, Sept. 27.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Producing aryl phosphorus oxydichloride. 2,482,810, Sept. 27.

Traumuller, William O., Teaneck Township, Bergen County, assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Motion for warp knitting machines. 2,482,811, Sept. 27.

Trenner, Nelson R., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Catalytic oxidation of sorbose derivatives. 2,483,251, Sept. 27.

Treseder, Robert C., Dayton, Ohio. Electronic synchronizer. 2,482,812, Sept. 27.

Truesdale, Edward C., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Copper coating iron particles. 2,483,075, Sept. 27.

Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing hydroxylammonium salts of organic acids. 2,483,252, Sept. 27.

Tung-Sol Lamp Works, Inc., assignee: *See*—
Bender, Harry, and Voorhis.

Turner, James H., Detroit, Mich. Auxiliary gas tank assembly. 2,482,885, Sept. 27.

Umansky, Morris: *See*—
Martin, Mervin E., and Umansky.

Union Oil Company of California, assignee: *See*—
Fischer, Paul W.
Stribley, Josephine M.

Union Special Machine Company, assignee: *See*—
Christensen, Norman V.
Christensen, Norman V., and Smith.

United Shoe Machinery Corporation, assignee: *See*—
Hollick, John G.
Knowlton, Cutler D., and Hollick.
Oliver, John R.

U. S. Slicing Machine Company, assignee: *See*—
Meyer, Paul H.

U. S. Slicing Machine Company, Inc., assignee: *See*—
Stukart, Hendrik.

Universal Oil Products Company, assignee: *See*—
Schmerling, Louis.

University of Rochester, assignee: *See*—
Urbach, Franz.

Urbach, Franz, assignor to Eastman Kodak Company, Rochester, N. Y. Photorecording. 2,482,813, Sept. 27.

Urbach, Franz, assignor to Eastman Kodak Company, Rochester, N. Y. Photorecording. 2,482,814, Sept. 27.

Urbach, Franz, assignor to University of Rochester, Rochester, N. Y. Infrared photography. 2,482,815, Sept. 27.

Vacca, Umberto, Brooklyn, N. Y. Swimming trunks. 2,483,076, Sept. 27.

Vacuum Concrete, Inc., assignee: *See*—
Billner, Karl P.

Vacuum Process Corporation, assignee: *See*—
Heineman, Arnold H.

Vandal, Delphis, Halifax, Nova Scotia, Canada. Hot-water boiler. 2,482,992, Sept. 27.

Van der Meer, Samuel, Delft, assignor to Rubber-Stichting, Delft, Netherlands. Vulcanisation of rubber. 2,483,026, Sept. 27.

Van Gieson, David W., New York, N. Y. Rotatable illuminated advertising sign. 2,482,886, Sept. 27.

Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Waterproofing textiles with sirconyl compounds. 2,482,816, Sept. 27.

Van Schoor, Edgar H., and D. Joost, Chicago, Ill. Hanger device. 2,483,114, Sept. 27.

Van Zelm, Willem D., Ruxton, T. G. Hill, Severna Park, and G. R. Welden, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. High-speed, jet-propelled bomber airplane. 2,483,027, Sept. 27.

Varian, Russell H.: *See*—
Hansen, William W., and Varian.

Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey N.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.

Victor Metal Products Corporation, assignee: *See*—
Temple, Harold F.

Vitrogan, David, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier. 2,482,817, Sept. 27.

Vivian, George S., Surbiton, England, assignor to Satona Limited, Edinburgh, Scotland. Container. 2,483,162, Sept. 27.

Vogel, Rudolf, Bridgeport, Conn. Container. 2,483,304, Sept. 27.

Vollenweider, Emil, Sacramento, Calif. Model engine magneto. 2,483,305, Sept. 27.

Vonk, Cornelius G., Grand Rapids, assignor to Borg-Warner Corporation, Chicago, Ill. Condenser. 2,482,951, Sept. 27.

Voorhis, William B.: *See*—
Bender, Harry, and Voorhis.

Wade, Willard H., Syracuse, N. Y., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Drive system for magnetic recorders. 2,482,887, Sept. 27.

Wahl, John C., assignor to Eversharp, Inc., Chicago, Ill. Writing instrument. 2,483,329, Sept. 27.

Waldes Koh-I-Noor, Inc., assignee: *See*—
Brell, Jules.
Duffy, William.
Heimann, Heinrich, and Feitl.

Waldinger, Maurice J., New York, N. Y. Machine for capping tubes. 2,483,028, Sept. 27.

Walker, Gilbert D., Detroit, Mich. Stapler. 2,482,993, Sept. 27.

Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ignition distributor. 2,483,115, Sept. 27.

Walpole, Milton E., Medina, Ohio. Doorstop. 2,483,306, Sept. 27.

Walsh, John C., Arlington, Va. Bathtub cushion. 2,483,077, Sept. 27.

Walsh, Robert H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic silicon compounds for dewebbing elastomer latices. 2,482,888, Sept. 27.

Walsh, Robert H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of elastic polychloroprene threads, bands, etc. 2,482,889, Sept. 27.

Walters, Frank J., U. S. Navy. Strip chart holder. 2,482,818, Sept. 27.

War, United States of America as represented by the Secretary of, assignee: *See*—
Bottom, Virgil E.
Gaidos, Alonzo F.
Humphrey, Paul E.

Ward, Paul E.: *See*—
Lenny, George W., Jr., and Ward.

Warner & Swasey Company, The, assignee: *See*—
Weiss, Irving F.

Warren, Glenn B., and E. E. Parker, Schenectady, N. Y., assignors to General Electric Company. Shutoff valve. 2,483,163, Sept. 27.

Warren, Harry L., South Pasadena, assignor to Southern California Gas Company, Los Angeles, Calif. Cooking range with ventilating hood. 2,482,952, Sept. 27.

Waters, Harry, New York, N. Y. Garment frame. 2,482,953, Sept. 27.

Waukesha Motor Company, assignee: *See*—
Melcher, Lee W.

Weiss, Irving F., assignor to The Warner & Swasey Company, Cleveland, Ohio. Electric motor braking control. 2,482,954, Sept. 27.

Welden, George R.: *See*—
Van Zelm, Willem D., Hill, and Welden.

Weltronic Company, assignee: *See*—
Barwick, Keith E.

Weyerhaeuser Timber Company, assignee: *See*—
Harch, Raymond S., and Hammond.
Wheary, George H., Jr., assignor to Wheary, Incorporated, Racine, Wis. Suitcase handle having transparent plastic grip and U-shaped metal core. 2,483,307, Sept. 27.
Wheary, Incorporated, assignee: *See*—
Wheary, George H., Jr.
Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Toy bomber. 2,483,164, Sept. 27.
Whiteside, Glenn H., Excelsior Springs, Mo. Crash switch and valve means for vehicles. 2,482,890, Sept. 27.
Wiggins, Alpha M.: *See*—
Johnson, Harwick, Landon, and Wiggins.
Wilcock, Donald F.: *See*—
Sprung, Murray M., and Wilcock.
Wiley, Viola, Los Angeles, Calif. Combined brassière and slip construction. 2,482,994, Sept. 27.
Will, Victor E., Sacramento, Calif. Gradeometer. 2,483,020, Sept. 27.
Willens, Louis A., Los Angeles, Calif. Sadiron rest for ironing boards. 2,482,957, Sept. 27.
Williams, Alfred J., Cleveland, Ohio. Device for control of urination. 2,483,079, Sept. 27.
Williams, Arthur, Munster, Ind., assignor to Combustion Engineering-Superheater, Inc. Reciprocating engine plant with gas turbine cycle and submerged combustion boiler. 2,482,819, Sept. 27.
Williams, Oliver E., Pocatello, Idaho. Airplane mooring device. 2,483,078, Sept. 27.
Willis, Frank C., Redwood City, Calif. Tensioning tool-holder. 2,482,995, Sept. 27.
Wilson, Charles L., Billings, Mont. Concrete foundation with sill. 2,483,080, Sept. 27.
Wilson & Co., Inc., assignee: *See*—
Hodson, George F.
Wilson, Harold M., Lexington, assignor to Metals & Controls Corporation, Attleboro, Mass. Circuit breaker. 2,482,955, Sept. 27.
Wingfoot Corporation, assignee: *See*—
Clifford, Albert M.
Glenn, Clyde E.
Sturevant, Mark J.
Winholm, Folke, assignor to B. B. K. Bergild, Stockholm, Sweden, U. K. R. Bergild, executor of said B. B. K. Bergild, deceased. Spark plug. 2,483,357, Sept. 27.
Winters & Crampton Corporation, assignee: *See*—
Anderson, Lloyd L., and Johnson.
Winthrop-Stearns Inc., assignee: *See*—
Fry, Harold R., Jr.
Wirth, Emil O., and F. Barford, assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel supply system. 2,484,956, Sept. 27.
Wisby, Robert E., Abilene, Kans. Form and posture corrective chair. 2,482,996, Sept. 27.
Wolfson, Henry, and S. C. Shepard, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Periodic electromagnetic relay. 2,482,820, Sept. 27.
Wollensak Optical Company, assignee: *See*—
Pirwitz, Friedrich A.
Woodward, Eric R., New York, N. Y., assignor to The Mathieson Chemical Corporation. Chemical manufacture. 2,482,958, Sept. 27.
Wotton, John: *See*—
D'Assis-Fonseca, Evelyn C. M., and Wotton.
Wright, Charles W.: *See*—
Sykes, Charles, Wright, and D. Wright.
Wright, Doris, executrix: *See*—
Sykes, Charles, Wright, and D. Wright.
Wrigley, James A., Leavenworth, Kans. Natural gas blowtorch. 2,483,081, Sept. 27.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Feldmann, Henry J.
Ledin, Charles.
Yarbrough, Oscar D., Washington, D. C. Underwater breathing apparatus. 2,483,116, Sept. 27.
Young, Charles E., Washington, D. C. Visual tuning indicator for frequency modulation signals. 2,482,821, Sept. 27.
Young, Charles E., assignor to The Eagle-Picher Company, Cincinnati, Ohio. Air changer. 2,483,377, Sept. 27.
Young, Harland H., Chicago, Ill., and D. Rubinstein, Brookline, Mass., assignors to Swift & Company, Chicago, Ill. Detergent composition. 2,483,253, Sept. 27.
Young, Thomas N., Epsom, and E. G. B. Gledhill, Sutton, assignors to Frees-Seal Equipment Company Limited, New Malden, England. Repairing water pipes and equipment for use therein. 2,483,082, Sept. 27.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Adapter for fluorescent lamp sockets. 2,483,165, Sept. 27.
Zang, David R., Millbrae, Calif. Tractor track stabiliser. 2,483,308, Sept. 27.
Zaroodny, Serge J., Aberdeen, Md. Stereoscopic sight. 2,482,822, Sept. 27.
Zenith Radio Corporation, assignee: *See*—
Rennick, John L.
Zimkin, Emanuel: *See*—
Rowley, Derrick, Steiner, and Zimkin.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Vacuum cleaner having automatic nozzle adjustment means, Household. C. H. Sparklin. Re. 23,152, Sept. 27.

LIST OF PLANT INVENTIONS

Carnation plant. M. C. Allwood. 876, Sept. 27.

LIST OF DESIGN INVENTIONS

Airplane. H. C. Delcher, Jr., and C. L. Brockman. 155,335, Sept. 27.
Airplane. C. T. Ray. 155,362, Sept. 27.
Airplane. C. T. Ray, C. L. Brockman, and C. W. Butler. 155,363, Sept. 27.
Atomizer or similar article, Pocket perfume. L. K. Kuhnl. 155,348, Sept. 27.
Bottle and bottle cap, Combined. G. Pavlinetz. 155,358, Sept. 27.
Box or similar article, Refrigerator. H. Zaikaner. 155,373, Sept. 27.
Casing or the like, Thermostat. E. C. Lee. 155,351, Sept. 27.
Dial and night light attachment for telephones, Automatic. H. Katz. 155,347, Sept. 27.
Display counter, Sectional. N. S. Irwin. 155,343, Sept. 27.
Display sign. R. F. Baker. 155,328, Sept. 27.
Display table for yard goods. W. L. Stensgaard. 155,366, Sept. 27.
Dress. D. E. Gothé. 155,341, Sept. 27.
Edging. S. Elias. 155,338, Sept. 27.
Fishing bait, Double-spoon. L. G. Rice. 155,364, Sept. 27.
Fixture, Electric lighting. M. M. Dunbar. 155,337, Sept. 27.
Glass, Weather. W. F. Downes. 155,336, Sept. 27.
Globe for electric lamps. R. A. Schober. 155,365, Sept. 27.
Golf putting cup or similar article, Portable. R. E. Watkins. 155,340, Sept. 27.
Guide for electrical conductor or the like. H. Watson. 155,371, Sept. 27.
Handlebar, Bicycle. R. C. de Boer. 155,334, Sept. 27.
Helicopter. F. N. Piasecki. 155,360, Sept. 27.
Holder, Flower. G. S. Bowerfind. 155,330, Sept. 27.
Holder, Toothpaste and toothbrush. L. Whitman. 155,372, Sept. 27.
Housing, Solderer. W. J. Humpal and B. G. Relmers. 155,342, Sept. 27.
Jar, Cooky. S. W. Rapp. 155,361, Sept. 27.
Knob. W. P. Lear. 155,349, Sept. 27.
Knob. H. J. Lebhers. 155,350, Sept. 27.
Lamp standard or similar article. W. B. Frisbie. 155,340, Sept. 27.
Latch, Cabinet. W. O. Burke. 155,332, Sept. 27.
Leg, Furniture. D. A. Wallance. 155,369, Sept. 27.
Loud-speaker. J. E. Currie and W. Borberg. 155,333, Sept. 27.
Pan for a refrigerator cabinet, Crisper. O. E. Norberg. 155,355, Sept. 27.
Peeling apparatus, Power-operated. H. Pearlman. 155,359, Sept. 27.
Radiator cap, Electronic tube. C. O'Rourke. 155,357, Sept. 27.
Scale, Weighing. W. O'Neil. 155,356, Sept. 27.
Shrine. W. T. Jones. 155,346, Sept. 27.
Signal, Traffic. R. F. Broussard and C. A. Toce. 155,331, Sept. 27.
Sink, Kitchen. C. W. Sundberg and M. Ferar. 155,368, Sept. 27.
Soap bubble device. S. Johanson. 155,344, Sept. 27.
Support for clothing or the like. M. Stringfellow and N. R. Lynn. 155,367, Sept. 27.
Telephone handset and mounting device, Combined. W. J. Muldoon. 155,353, Sept. 27.
Toy bank. C. H. Foster. 155,339, Sept. 27.
Toy building block. S. Bindman. 155,329, Sept. 27.
Vending machine. F. L. Meagher. 155,352, Sept. 27.
Ventilator. J. P. Johnson. 155,345, Sept. 27.
Warmer or similar article, Coffee. P. Muller-Munk. 155,354, Sept. 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF SEPTEMBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetylene cutting torch and guide. J. B. Miner. 2,483,294, Sept. 27.
Activation of catalytic metal screens. E. H. Carter and L. E. Sartain. 2,482,742, Sept. 27.
Adapter for fluorescent lamp sockets. W. R. Young. 2,483,165, Sept. 27.
Adapter for guns. W. Summerbell. 2,482,808, Sept. 27.
Aerobic organisms, Growing. R. S. Hatch and R. N. Hammond. 2,482,908, Sept. 27.
Air changer. C. E. Young. 2,483,377, Sept. 27.
Aircraft wing and manufacture. G. B. Rheinfrank, Jr. 2,482,798, Sept. 27.
Airfoil. J. Gits and A. Z. Boyajian. 2,483,134, Sept. 27.
Airplane, High-speed, jet-propelled bomber. W. D. van Zelm, T. Gardner, and G. E. Welden. 2,483,027, Sept. 27.
Alpha naphthalene sulfonic anhydride. H. Z. Lecher and F. H. Adams. 2,483,213, Sept. 27.
Analyser, Frequency. L. Blok. 2,483,311, Sept. 27.
Angle measuring device, Compound. L. F. Palmer. 2,483,228, Sept. 27.
Anhydrous sodium sulfate, Production of. L. H. Allen, Jr. 2,482,830, Sept. 27.
Antenna. D. W. Martin. 2,483,217, Sept. 27.
Antenna, Broad band. W. W. Hansen. 2,482,767, Sept. 27.
Antenna system. J. P. Shanklin. 2,483,240, Sept. 27.
Antibacklash attachment for fishing reels. R. R. Bollman. 2,483,331, Sept. 27.
Apparatus for coating eggs for breaking. G. F. Hodson. 2,482,774, Sept. 27.
Apparatus for drying filaments. D. K. Alpern, H. M. Freydberg, and W. H. Hawkins. 2,483,378, Sept. 27.
Apparatus for grinding. A. E. Hamilton. 2,483,277, Sept. 27.
Apparatus for laterally stretching continuous sheets. C. E. and E. B. Gardner. 2,483,339, Sept. 27.
Apparatus for linking sausage. J. H. Holstein. 2,482,911, Sept. 27.
Apparatus for rolling screws. W. A. De Vellier. 2,483,186, Sept. 27.
Apparatus for scraping the walls of well bores. J. F. Lockwood. 2,482,985, Sept. 27.
Apparatus for scribing instruments. R. P. Chanfrau. 2,482,749, Sept. 27.
Apparatus for the distribution of pulverulent products. C. Nicolle. 2,483,148, Sept. 27.
Apparatus for the production of artificial filaments. J. E. Bludworth and C. Hutson. 2,482,834, Sept. 27.
Applicator, Lipstick. H. Roland. 2,482,874, Sept. 27.
Arch-type conduits, Making. F. L. Carswell and O. W. Schmidt. 2,483,001, Sept. 27.
Archery bow. R. J. Menne. 2,483,145, Sept. 27.
Aryl phosphorus oxydichloride, Producing. A. D. F. Toy. 2,482,810, Sept. 27.
Assembly, Auxiliary gas tank. J. H. Turner. 2,482,885, Sept. 27.
Assembly, Bearing and shaft. A. L. Lee. 2,483,345, Sept. 27.
Assembly, Fifth wheel. C. E. Pollard. 2,482,868, Sept. 27.
Assembly for automobile bodies, Rocker panel. H. L. Goodwin and K. E. Coppock. 2,482,906, Sept. 27.
Asymmetric device, Dry contact type electrically. E. A. Richards and L. J. Ellison. 2,482,799, Sept. 27.
Automatic accessory for sewing machines. G. H. Helmer. 2,483,138, Sept. 27.
Automatic frequency control circuit. J. C. Spindler. 2,483,070, Sept. 27.
Baby vehicle. L. J. Black. 2,482,827, Sept. 27.
Beating apparatus. H. Hansen. 2,483,280, Sept. 27.
Bed construction, Sofa. G. Murtagh and J. B. Platt. 2,483,296, Sept. 27.
Belt, Abrasive and buffing. R. G. Minarik and W. L. Ryman. 2,483,293, Sept. 27.
β-dihydro-ionylamine and the acid addition salts thereof. M. W. Goldberg and S. Teitel. 2,483,381, Sept. 27.
Bit: *See*—
Mouth-protective bit.
Bit. H. M. Morrow. 2,483,220, Sept. 27.
Bit with protected insert. H. M. Morrow. 2,483,221, Sept. 27.
Blowtorch. L. R. Crouch. 2,482,843, Sept. 27.
Blowtorch, Natural gas. J. A. Wrigley. 2,483,081, Sept. 27.
Blower wheel. E. B. Godman. 2,482,847, Sept. 27.
Boiler: *See*—
Hot-water boiler.
Bonding of rubber to fibrous materials. F. S. Perkerson. 2,482,931, Sept. 27.

Booster device for exhaust manifolds, Surge. C. R. Flint. 2,482,754, Sept. 27.
Boot for horses, Bell. E. S. Schwartz and L. V. Dawson. 2,483,065, Sept. 27.
Boring tool. J. F. and N. Jaworowski. 2,483,096, Sept. 27.
Boring tool holder. G. Reisinger. 2,483,152, Sept. 27.
Bottle cap. R. Krasberg. 2,483,055, Sept. 27.
Box: *See*—
Field box.
Box. E. L. Arneson. 2,483,030, Sept. 27.
Bracket: *See*—
Fishing line bracket.
Brake: *See*—
Electric motor brake. Intermittent brake.
Brake for crawler equipped vehicles. A. R. Askue. 2,483,170, Sept. 27.
Brake or rough lock, Safety. W. J. Hergner. 2,483,048, Sept. 27.
Brassière. J. Glick. 2,483,366, Sept. 27.
Brassière. H. Gluckin. 2,483,272, Sept. 27.
Brassière and slip construction, Combined. V. Wiley. 2,482,994, Sept. 27.
Breaker, Circuit. H. M. Wilson. 2,482,955, Sept. 27.
Breathing apparatus, Underwater. O. D. Yarbrough. 2,483,116, Sept. 27.
Brush, Fountain liquid-applying. R. S. Eisner. 2,482,905, Sept. 27.
Buckle, Slide loop. G. H. Elwell. 2,483,128, Sept. 27.
Cable: *See*—
Cooled, high-frequency electric cable.
Call system, Telephone alarm. C. E. Lomax. 2,483,214, Sept. 27.
Camera apparatus, Self-developing. E. H. Land, M. N. Fairbank, and D. S. Grey. 2,483,014, Sept. 27.
Camera shutter mechanism with focusing stop. A. Schwarz. 2,483,025, Sept. 27.
Can and heater, Combined. L. Kats. 2,482,779, Sept. 27.
Cap: *See*—
Bottle cap.
Car door implement, Grain. C. Flagstad. 2,482,845, Sept. 27.
Carbon articles, Glass impregnated. A. L. J. Queneau. 2,482,933, Sept. 27.
Carbon monoxide and hydrogen, Production of. J. A. Phinney. 2,482,866, Sept. 27.
Carburetor, Liquid fuel. G. Nemnich. 2,482,864, Sept. 27.
Carrier: *See*—
Wheeled carrier.
Carton with multiply bottom, Sealable. J. R. Belsinger. 2,483,174, Sept. 27.
Case: *See*—
Cigarette and cigar case.
Caster guard. N. T. Shepherd. 2,483,241, Sept. 27.
Catalyst vessel. O. R. Boninger. 2,483,178, Sept. 27.
Catalytic oxidation of sorbose derivatives. N. R. Trenner. 2,483,251, Sept. 27.
Cathode-ray oscillographic apparatus. E. H. Higham. 2,483,140, Sept. 27.
Cavity oscillator, Grid-pulsed. C. E. Dolberg. 2,483,337, Sept. 27.
Cellulose ether manufacture. A. S. Finlayson. 2,482,844, Sept. 27.
Cellulose ethers, Treatment of. W. H. Myers. 2,482,862, Sept. 27.
Cellulose purification. M. E. Martin and M. Umansky. 2,482,858, Sept. 27.
Chair: *See*—
Form and posture corrective chair.
Chemical manufacture. E. R. Woodward. 2,482,958, Sept. 27.
Chilling containers, Method and apparatus for. W. L. Morrison. 2,483,100, Sept. 27.
Chocolate mixer. F. Gregor. 2,483,275, Sept. 27.
Chuck, Flexible jaw. E. J. Krupp. 2,483,208, Sept. 27.
Cigarette and cigar case. S. J. Levi. 2,482,920, Sept. 27.
Cinch with spreader. A. F. Holly. 2,483,316, Sept. 27.
Circuit: *See*—
Automatic frequency control circuit. Fluorescent lamp circuit.
Electronic signal shaping circuit. Loop antenna circuit.
Circuit controlling device. G. W. Bower. 2,483,122, Sept. 27.
Clamp for holding spaced ice-cream cans. E. S. Curtis. 2,483,038, Sept. 27.
Clamp or ligature for clarinets, saxophones, and similar instruments. W. A. Stalowski. 2,483,327, Sept. 27.

Clasping means for frictionally holding articles in suspension. W. J. Rysick. 2,483,303, Sept. 27.
Classification of solids, Hydraulic. N. L. Davis, H. N. Ekbom, and L. O. Millard. 2,482,747, Sept. 27.
Clay, Modeling. M. R. McClatchey and E. M. Goodale. 2,482,986, Sept. 27.
Cleaning device, Tobacco pipe. J. W. Bentley. 2,483,083, Sept. 27.
Cleaning heat exchangers. P. F. Dougherty, P. D. Barton, and E. M. Hughes. 2,482,904, Sept. 27.
Clothesline post, Combination. C. V. Jennewein. 2,482,851, Sept. 27.
Coated steel wire, Making. A. F. Ilacqua and J. F. Occasione. 2,482,978, Sept. 27.
Coating material. F. G. Terwilliger. 2,483,113, Sept. 27.
Coil, Choke. F. Clark. 2,482,902, Sept. 27.
Collapsible trailer vehicle. H. C. Brumbaugh. 2,483,332, Sept. 27.
Collar, Tool joint wear. E. G. Boice. 2,482,962, Sept. 27.
Combination folding chair and table. M. Amaducci. 2,483,309, Sept. 27.
Combined wallpaper display card and color positioning tab. F. L. Clute and H. C. Schroder. 2,482,963, Sept. 27.
Commodity preservation with carbon dioxide, Method of and apparatus for. G. T. Reich. 2,483,064, Sept. 27.
Comparator, Screw adjustment. P. G. Thomas. 2,483,328, Sept. 27.
Compartment lock. H. J. Feldmann. 2,483,365, Sept. 27.
Composite metal, Corrosion-resisting. P. G. Chace. 2,482,897, Sept. 27.
Composite metal, Corrosion-resisting. P. G. Chace. 2,482,898–900, Sept. 27.
Condenser. C. G. Vonk. 2,482,951, Sept. 27.
Conduit for electric power lines. T. J. Hinchon. 2,483,050, Sept. 27.
Connecting mechanism for demand meters. L. A. Paine and K. M. Smith. 2,482,793, Sept. 27.
Connection for cleaner wipers, Fluid transmission. T. J. Smulski. 2,483,243, Sept. 27.
Connection, Interoffice. K. L. Burgener. 2,483,179, Sept. 27.
Connector: *See*—
Electric connector.
Constant voltage source. H. E. Kallmann. 2,482,980, Sept. 27.
Construction for pianos, Resonating chamber. H. O. Crippen, Sr. 2,483,087, Sept. 27.
Contact device for rotary switches. S. G. Andersson. 2,482,997, Sept. 27.
Contact structure for electron tubes, Resilient. R. Chamberlin. 2,482,839, Sept. 27.
Container. G. S. Vivian. 2,483,162, Sept. 27.
Container. R. Vogel. 2,483,304, Sept. 27.
Container band severing tool. C. E. Stafford. 2,482,805, Sept. 27.
Control device, Pump. N. H. Callahan. 2,483,084, Sept. 27.
Control device, Variable tone. A. C. Fitschen. 2,483,041, Sept. 27.
Control mechanism, Fire. A. F. Gaidos. 2,482,758, Sept. 27.
Control mechanism, Fluid actuated. R. K. Jeffrey. 2,483,343, Sept. 27.
Control system, Electrical. K. E. Barwick. 2,482,892, Sept. 27.
Control system for burners, Safety. E. P. Newman. 2,483,298, Sept. 27.
Control system, Phase shift. J. L. Fuller. 2,483,090, Sept. 27.
Controller, Electric. F. H. Johnson and C. F. Leathers. 2,483,054, Sept. 27.
Conversion of hydrocarbon gas into carbon monoxide and hydrogen. L. P. Gaucher. 2,483,132, Sept. 27.
Cooker, Pressure. V. W. Naylor. 2,483,297, Sept. 27.
Cooking range with ventilating hood. H. L. Warren. 2,482,952, Sept. 27.
Cooky-maker, Rotary. H. C. Behnke. 2,483,173, Sept. 27.
Cooled, high-frequency electric cable. W. M. Roberds. 2,483,301, Sept. 27.
Copolymerizing vinylidene chloride and vinyl chloride. J. Heerema. 2,482,771, Sept. 27.
Copolymers of vinyl furane and chloroprene. A. M. Clifford. 2,483,182, Sept. 27.
Core for electromagnets. C. F. Miller. 2,482,860, Sept. 27.
Coring machine, Pimento. W. N. Buckner. 2,482,837, Sept. 27.
Corn drier. O. J. Peterson. 2,483,324, Sept. 27.
Coupling: *See*—
Safety coupling.
Coupling pin. G. Hagen. 2,482,907, Sept. 27.
Cover, Tractor seat. W. F. Moss. 2,483,223, Sept. 27.
Creel, Magazine. T. F. Suggs. 2,483,160, Sept. 27.
Cuff link, Magnetic. H. Avedon. 2,483,031, Sept. 27.
Cushion, Bathtub. J. C. Walsh. 2,483,077, Sept. 27.
Cushion, Tractor seat. W. F. Moss. 2,483,222, Sept. 27.
Cutter and butt joiner, Canvas. R. E. Hanke. 2,483,092, Sept. 27.
Cutter for debarking machines, Chain-type. M. Douglas. 2,483,338, Sept. 27.

Cutting machine, Circle. E. B. Parker. 2,483,229, Sept. 27.
Delayed-release mechanism. C. A. Gongwer. 2,483,044, Sept. 27.
Detection of emanations from materials and measurement of the volumes thereof. T. G. Hieronymus. 2,482,773, Sept. 27.
Detector, Frequency and phase modulation. H. Goldberg. 2,483,195, Sept. 27.
Detergent composition. H. H. Young and D. Rubinstein. 2,483,253, Sept. 27.
Determination of chromium compounds in gaseous atmospheres. L. Silverman and J. F. Ege, Jr. 2,483,108, Sept. 27.
Determining columbium in iron and steel. J. W. Hilliard. 2,482,850, Sept. 27.
Device for control of urination. A. J. Williams. 2,483,079, Sept. 27.
Device for dehairing animal hides and pelts. F. L. and R. F. Newby. 2,483,348, Sept. 27.
Device for moistening tape and other articles. N. D. Mussett. 2,482,989, Sept. 27.
Dialkyl-carbamic-acid esters of dialkyl-aminoethanols, Producing. J. F. Mahoney. 2,483,141, Sept. 27.
Differential protective systems, Desensitizing. A. W. Bateman. 2,483,119, Sept. 27.
Disk brake for aircraft, Fluid pressure operated. W. H. Du Bois and I. F. Chapin. 2,483,362, Sept. 27.
Dispensing device, Article. P. Settecasi. 2,483,352, Sept. 27.
Dispensing system, Fluid pressure medium. E. A. Joerren. 2,482,778, Sept. 27.
Display device. J. Swarbrick. 2,482,947, Sept. 27.
Display marker, Aviation liquid antifreeze. H. F. Keller, L. E. Johnson, and P. E. Fronss. 2,483,285, Sept. 27.
Display rack. T. Cummings. 2,483,263, Sept. 27.
Distributor, Ignition. A. C. Wall. 2,483,115, Sept. 27.
Dolly, Deep-drawn recessed decorated pleated. E. Kamrass. 2,482,981, Sept. 27.
Doll, Rag. D. M. Sanders and I. V. Avey. 2,483,325, Sept. 27.
Door check and closer. F. A. Masson. 2,483,142, Sept. 27.
Door hanger. C. Lloyd. 2,482,855–6, Sept. 27.
Door lock. J. H. Milligan. 2,482,926, Sept. 27.
Door mat, Self-cleaning. C. O. Swanson. 2,482,882, Sept. 27.
Doorstop. M. E. Walpole. 2,483,306, Sept. 27.
Drainer, Pulp. A. J. Haug. 2,483,200, Sept. 27.
Dressing threaded abrasive wheels. F. A. Lohutko. 2,482,784, Sept. 27.
Drier: *See*—
Corn drier.
Drilling structure, Portable marine. J. Moon. 2,482,788, Sept. 27.
Drive, Press bed. J. C. E. Bourassa. 2,483,121, Sept. 27.
Drive system for magnetic recorders. W. H. Wade. 2,482,887, Sept. 27.
Drum structure, Bottle holding. A. L. Nelson. 2,483,059, Sept. 27.
Dry sorbitol, Production of. E. G. Almy. 2,483,254, Sept. 27.
Drying rack. C. F. Smith. 2,483,242, Sept. 27.
Dumping device for buckets. M. A. Adams. 2,482,829, Sept. 27.
Dust removal machine for hides or skins, Pneumatic. C. D. Knowlton and J. G. Hollick. 2,482,781, Sept. 27.
Dynamoelectric machine. F. W. Merrill. 2,483,146, Sept. 27.
Dynamoelectric machine. W. A. Pringle. 2,483,151, Sept. 27.
Dynamoelectric machines, Manufacturing. H. C. Roters. 2,483,024, Sept. 27.
Elastic polychloroprene threads, bands, etc, Preparation of. R. H. Walsh. 2,482,889, Sept. 27.
Electric connector. W. H. Cook. 2,482,965, Sept. 27.
Electric motor brake. J. E. Collins and A. J. Mastropole. 2,482,840, Sept. 27.
Electrochemical potentials, Measurement of. F. G. Paully. 2,483,296, Sept. 27.
Electromagnetic relay, Periodic. H. Wolfson and S. C. Shepard. 2,482,820, Sept. 27.
Electronic noise generator. E. B. Newman. 2,483,226, Sept. 27.
Electronic signal shaping circuit. C. H. Smith, Jr., and M. L. Kuder. 2,482,803, Sept. 27.
Engine: *See*—
Internal-combustion engine. Reciprocating cylinder engine.
Engine plant with gas turbine cycle and submerged combustion boiler, Reciprocating. A. Williams. 2,482,819, Sept. 27.
Engine rocker arm. J. M. Leake. 2,483,210–11, Sept. 27.
Esters of penicillin S-dioxide. E. F. Rogers and K. Folkers. 2,483,235, Sept. 27.
Esters of phthalideneacetic acid and their preparation. D. T. Mowry. 2,483,371, Sept. 27.
Esters of polyhydroxy-benzoic acids. S. G. Morris and R. W. Riemenschneider. 2,483,099, Sept. 27.
Extraction and purification of sugar. A. M. Erickson and J. D. Ryan. 2,482,750, Sept. 27.
Extraction of penicillin, Solvent. D. Rowley, H. Steiner, and E. Zimkin. 2,482,938, Sept. 27.

Extruding die and method, Tube. H. F. Temple. 2,483,376, Sept. 27.
Eye bath, Fountain. R. G. Benson. 2,482,960, Sept. 27.
Fabrics, Bonding. R. G. Bartlett, J. L. Mollliet, and R. J. W. Reynolds. 2,483,330, Sept. 27.
Fastener: *See*—
Garment fastener. Sliding fastener.
Pressure cooker cover fastener. Window fastener.
Fastener for wooden beds, Rail. H. Silverman. 2,483,067, Sept. 27.
Feeder and positioner, Automatic. T. M. Kane. 2,482,916, Sept. 27.
Fence construction, Swinging saw. H. V. Schwandt. 2,483,326, Sept. 27.
Fence wire assembling and stretching tool. J. B. Glaskin. 2,483,198, Sept. 27.
Field box. R. A. Fender. 2,483,269, Sept. 27.
Filament structure for thermionic tubes. H. Bender and W. B. Voorhis. 2,482,826, Sept. 27.
Filing device. E. L. Heckert. 2,483,046, Sept. 27.
Filling stop motion for looms, Electric. V. F. Sepavich. 2,482,943, Sept. 27.
Film projection with synchronized discharge lamp, Television. D. E. Norgaard. 2,483,149, Sept. 27.
Filter for beverage brewing apparatus. E. J. Ruhnke and H. S. Perlman. 2,482,940, Sept. 27.
Filter for coffee makers. L. Reichold. 2,483,104, Sept. 27.
Finger for feeding ticket strips, Adjustable feed. H. S. Owen. 2,483,227, Sept. 27.
Firearm, Gas-operated self-loading. H. H. Sefried, II. 2,482,880, Sept. 27.
Fire squelcher. H. Baker and C. E. Le Cocq. 2,483,310, Sept. 27.
Fish pole holder and lifter. L. A. Bean. 2,482,999, Sept. 27.
Fish stringer. W. H. Stonich. 2,483,072, Sept. 27.
Fishing line bracket. R. F. Cianfrone. 2,482,901, Sept. 27.
Fishing lure. E. F. Steinhart. 2,483,245, Sept. 27.
Fishing rod. L. G. Stine. 2,483,071, Sept. 27.
Fishing rod holder. F. H. Koon. 2,483,012, Sept. 27.
Fixture for grinding cutting tools, Headstock. J. J. Sanders. 2,482,802, Sept. 27.
Flame hardening. S. Smith. 2,482,945, Sept. 27.
Flame hardening of internal cylindrical surfaces. R. M. Rooke. 2,482,937, Sept. 27.
Flameproofing of fibrous material. F. M. Ford and W. P. Hall. 2,482,755–6, Sept. 27.
Flashlight and shutter synchronizer having adjustable switch actuating member. F. A. G. Pirwitz. 2,483,023, Sept. 27.
Flier construction. M. J. McHale. 2,483,320–1, Sept. 27.
Flow meter. J. R. Evans. 2,483,190, Sept. 27.
Flower making machine. H. E. Adams. 2,482,823, Sept. 27.
Fluid motor mechanism for pushing and pulling, Multiple pressure. J. C. Sharpe. 2,483,239, Sept. 27.
Fluorescent lamp circuit. L. J. Nevills. 2,483,225, Sept. 27.
Flux, Soldering. J. P. A. McCoy. 2,482,023, Sept. 27.
Focusing arrangement for cathode-ray tubes. R. B. Gethmann. 2,483,133, Sept. 27.
Foldable drying rack. E. M. Holt. 2,483,051, Sept. 27.
Folding machine, Fabric. G. Haeberlin. 2,482,764, Sept. 27.
Form and posture corrective chair. R. E. Wimby. 2,482,996, Sept. 27.
Forming device, Carton. D. Ray. 2,483,063, Sept. 27.
Foundation with sill, Concrete. C. L. Wilson. 2,483,080, Sept. 27.
4,4'-isopropylidene bis-(2-isopropylphenol). A. J. Dietzler. 2,482,748, Sept. 27.
Frame: *See*—
Garment frame.
Garment supporting frame.
Frequency measuring device and remote-control system. E. M. Sorensen. 2,482,804, Sept. 27.
Friction device for damping shimmy in caster wheels. A. E. Bishop. 2,482,961, Sept. 27.
Froth flotation of iron impurities from feldspar. E. W. Gieseke. 2,483,192, Sept. 27.
Froth flotation of oxidized zinc ores. W. J. McKenna and V. Lessels, and E. C. Peterson. 2,482,859, Sept. 27.
Furnace: *See*—
Humidifying air-heating furnace.
Furs, Manufacture of. L. Nierenberg. 2,482,929, Sept. 27.
Game, Coin trapping. J. M. Rawden. 2,482,893, Sept. 27.
Garment, Breast covering. H. Gluckin. 2,483,274, Sept. 27.
Garment, Child's. P. Kessner. 2,483,344, Sept. 27.
Garment fastener. A. J. Fox. 2,482,846, Sept. 27.
Garment frame. H. Waters. 2,482,953, Sept. 27.
Garment supporting frame. H. Gluckin. 2,483,273, Sept. 27.
Gate structure for disintegrators. F. S. Howard. 2,482,776, Sept. 27.
Gauge: *See*—
Headspace micrometer gauge.
Gauge construction, Retard. A. D. Rose. 2,483,237, Sept. 27.
Gauging hatch, Self-closing. R. Berg. 2,483,256, Sept. 27.
Gear: *See*—
Variable-speed gear.
Gears or the like, Making cushioned. T. L. Fawick. 2,483,267, Sept. 27.
Generating compositions, Solid, stable chlorine dioxide. R. N. Aston. 2,482,891, Sept. 27.
Generator: *See*—
Electronic noise generator. Magneto generator.
Golf instructing device. J. W. Norwood. 2,482,930, Sept. 27.
Gradeometer. V. R. Will. 2,483,029, Sept. 27.
Grater, Food. G. L. Terzini. 2,483,161, Sept. 27.
Grease manufacture. H. G. Houlton. 2,483,282, Sept. 27.
Grinder machine for reelable strand stock, Reversible. L. Illmer and V. R. Pallas. 2,483,283, Sept. 27.
Grinding and lapping machine, Gear. W. F. Ross. 2,482,800, Sept. 27.
Grinding apparatus. A. E. Hamilton. 2,483,279, Sept. 27.
Grinding machine for mower sickles, Automatic. P. Rainbolt and C. E. Barber. 2,482,934, Sept. 27.
Grinding roll. A. E. Hamilton. 2,483,278, Sept. 27.
Ground speed and drift indicator. R. W. Philabaum. 2,482,795, Sept. 27.
Guard for fishing hooks. E. W. Sonner, Jr. 2,482,881, Sept. 27.
Guide for necktie linings, Centering. M. S. Malek. 2,482,857, Sept. 27.
Guiding device, Fabric. E. St. Pierre. 2,483,355, Sept. 27.
Gun, Airline inflating. J. H. Marcum. 2,482,922, Sept. 27.
Hairbrush, Needle. A. and G. W. Neff. 2,482,928, Sept. 27.
Halogenation process. J. C. Hillyer and C. H. Ice. 2,483,049, Sept. 27.
Hammer, Magnetic. L. M. Hertz. 2,482,909, Sept. 27.
Handle having transparent plastic grip and U-shaped metal core, Suitcase. G. H. Wheary, Jr. 2,483,307, Sept. 27.
Handling retaining rings. J. Brell. 2,483,379, Sept. 27.
Hanger: *See*—
Door hanger.
Hanger device. E. H. Van Schoor and D. Joost. 2,483,114, Sept. 27.
Hat with replaceable sweatband. G. C. Nelms. 2,483,101, Sept. 27.
Headspace micrometer gauge. H. P. Ferguson. 2,483,089, Sept. 27.
Heater: *See*—
Space heater.
Heater for heating air, Internal-combustion. H. J. D. McCollum. 2,482,988, Sept. 27.
Heater with air-cooled muffler, Internal-combustion. H. J. D. McCollum. 2,482,987, Sept. 27.
Heating jacket for cooking utensils. B. H. Snook. 2,483,069, Sept. 27.
Heating system for buildings, Electric. N. Rycroft. 2,483,154, Sept. 27.
Heating units, Casting electric. H. V. Leckie. 2,483,056, Sept. 27.
Helical multiple pump. R. J. L. Moineau. 2,483,370, Sept. 27.
High-frequency apparatus. A. E. Harrison. 2,482,769, Sept. 27.
Hinge structure, Adjustable. F. M. Lambert. 2,482,983, Sept. 27.
Holder: *See*—
Boring tool holder. Paper roll holder.
Fishing rod holder. Strip chart holder.
Paper cup holder.
Holder and stripper, Paintbrush. J. F. Dalia. 2,483,265, Sept. 27.
Holder for paper containers. W. E. Amberg. 2,483,168, Sept. 27.
Holder for paper cups. W. E. Amberg. 2,483,166, Sept. 27.
Holder for the carbon brushes of rotary electrical machines. J. A. C. Malchus. 2,482,921, Sept. 27.
Hot-water boiler. D. Vandal. 2,482,992, Sept. 27.
Humbucking arrangement for magnetic transducers. C. W. Clapp. 2,483,123, Sept. 27.
Humidifying air-heating furnace. C. C. Cohee. 2,482,964, Sept 27.
Hydraulic system, Single-line. N. D. Owen. 2,482,792, Sept. 27.
Hydrocarbon-substituted halogenosilanes, Preparation of. E. G. Rochow. 2,483,373, Sept. 27.
Hydrogenation of arylnitroolefins and products thereof, Selective. C. D. Hurd. 2,483,201, Sept. 27.
Hydrolyzing chlorosilanes and preparing polysiloxane resins. H. F. Lamoreaux. 2,483,209, Sept. 27.
Hydroxylammonium salts of organic acids, Preparing. P. F. Tryon. 2,483,252, Sept. 27.
Ignition apparatus. T. Tognola and M. S. Thorn. 2,482,884, Sept. 27.
Ignition plug. T. R. Arden. 2,482,831, Sept. 27.
Image projecting apparatus, Star. R. K. Marshall. 2,483,216, Sept. 27.

Impregnating agent for metal wool pads. H. A. Goldsmith and A. L. Humbert. 2,483,135, Sept. 27.
Indicator: *See*—
Ground speed and drift indicator. Pulse radio echo distance indicator.
Indicator and recorder, Molten glass level. M. M. Cannon, Jr., and J. S. Light. 2,483,333, Sept. 27.
Indicator device. F. A. Olson. 2,483,150, Sept. 27.
Indicator for airborne traffic, Position. K. McIlwain. 2,483,097, Sept. 27.
Indicator for football games with cross-shaped rotor and T-shaped case, Down. M. R. Schall. 2,482,876, Sept. 27.
Inductor, Variable. J. F. Gordon. 2,483,197, Sept. 27.
Instruction device, Anatomical. H. E. Braeg. 2,483,034, Sept. 27.
Interchangeable electrical condition responsive unit. W. H. Howe. 2,483,300, Sept. 27.
Intermediate products in the production of dialkylamino vitamin A's. N. A. Milas. 2,483,347, Sept. 27.
Intermittent brake. B. G. Jones. 2,483,205, Sept. 27.
Internal-combustion engine. J. B. Malin. 2,483,288, Sept. 27.
Iron particles, Copper coating. E. C. Truesdale. 2,483,075, Sept. 27.
Jet engine, including a combustion chamber to which gaseous fuel is delivered under pressure. H. D. Harby. 2,483,045, Sept. 27.
Joint: *See*—
Pipe joint.
Joint seal for pressure vessels or the like. H. A. Schmitz, Jr. 2,483,156, Sept. 27.
Lamp: *See*—
Safe incandescent lamp.
Lamp socket and resistor therefor. L. L. Stoffel. 2,483,247, Sept. 27.
Lamp socket, Electric. G. B. Benander. 2,483,120, Sept. 27.
Latch: *See*—
Refrigerator latch.
Latch. C. Ledin. 2,483,368, Sept. 27.
Leveling attachment for cultivators, Ground. E. S. Johnson and A. J. Anderson. 2,483,204, Sept. 27.
Lifting apparatus, Trailer-mounted. L. B. Thwaites. 2,483,356, Sept. 27.
Lifting device or elevator. C. J. Smith. 2,483,109, Sept. 27.
Lighter and the like, Portable. R. E. Peterson. 2,482,794, Sept. 27.
Lighter, Cigarette. L. M. Strother. 2,482,807, Sept. 27.
Lighting and control means for gas burners, Automatic. F. A. Gauger. 2,483,191, Sept. 27.
Limit stop mechanism for power-operated gun mounts. P. E. Humphrey. 2,483,385, Sept. 27.
Lining for coats, Detachable. E. E. Levy. 2,483,015, Sept. 27.
Loader, Grain. M. Mayrath. 2,483,290, Sept. 27.
Lock: *See*—
Compartment lock. Door lock.
Lock for dial gauges, Stem. J. Longworth and T. A. Deuber. 2,482,783, Sept. 27.
Lock seam. J. J. Ingels. 2,483,095, Sept. 27.
Logging bore holes, Method and apparatus for. G. Herzog. 2,483,139. Sept. 27.
Loop antenna circuit. M. P. Herrick. 2,483,047, Sept. 27.
Lubricating composition. P. W. Fischer. 2,483,270, Sept. 27.
Lubricating compositions. M. B. Goren. 2,482,762, Sept. 27.
Lubrication system. J. A. Stahn. 2,482,806, Sept. 27.
Lubricator system, Sight-feed. [illegible] E. De Villiers. 2,483,363, Sept. 27.
Machine for capping tubes. M. J. Waldinger. 2,483,028, Sept. 27.
Machine for counting and bottling pellets and the like. S. Joseph. 2,483,207, Sept. 27.
Machine for earth-working, log-lifting, stock-piling, or the like. C. W. F. Hamilton. 2,483,006, Sept. 27.
Machine for railways, Ballast tamping. F. H. Philbrick. 2,482,796, Sept. 27.
Magazine, Slingshot. D. T. Davis. 2,483,039, Sept. 27.
Magnetic core. G. G. Somerville. 2,483,159, Sept. 27.
Magneto generator. M. C. Sawyer. 2,482,875, Sept. 27.
Magneto, Model engine. E. Vollenweider. 2,483,305, Sept. 27.
Marine construction. G. Munro. 2,482,927, Sept. 27.
Marking device for tractors, Row. M. R. Hudson. 2,483,011, Sept. 27.
Massaging device. E. R. Carlson. 2,482,838, Sept. 27.
Material for handbags, Decorative. G. G. Rona. 2,483,236, Sept. 27.
Measurement of high-frequency voltage, Electrostatic. A. L. M. A. Rouy. 2,482,801, Sept. 27.
Measuring the microphonic action of multielectrode tubes. G. J. L. Guyot and P. Gillet. 2,482,849, Sept. 27.
Meat storage increaser, Removable. B. F. Kaboskey and O. R. Quade. 2,482,915, Sept. 27.
Mechanical pencil with friction brake, Screw feed. H. R. Jochim. 2,482,852, Sept. 27.
Meter: *See*—
Flow meter.
Meter controlled valve. W. N. Beck. 2,483,255, Sept. 27.
Microphone, Carbon type. C. Laurent. 2,483,317, Sept. 27.
Microtome with rotating cutter and specimen feed mechanism supported therewith. W. A. Ladd. 2,482,853, Sept. 27.
Mixer: *See*—
Chocolate mixer. Portable concrete mixer.
Modulating system, High-frequency. W. W. Hansen and R. H. Varian. 2,482,766, Sept. 27.
Modulating system, High-frequency. W. H. Hansen and R. H. Varian. 2,482,768, Sept. 27.
Mold. W. H. Kelley. 2,483,286, Sept. 27.
Molding prestressed structures. K. P. Billner. 2,483,175, Sept. 27.
Monoazo dyestuffs and making same. W. Steinemann. 2,482,946, Sept. 27.
Mooring device, Airplane. O. E. Williams. 2,483,078, Sept. 27.
Motion for warp knitting machines. W. O. Traumuller. 2,482,811, Sept. 27.
Motion-picture film with a plurality of picture series and projector for the same. F. N. El-Mazzaoui. 2,483,040, Sept. 27.
Motor braking control, Electric. I. F. Weiss. 2,482,954, Sept. 27.
Motor-containing wheel. E. Bobard. 2,483,177, Sept. 27.
Motor operated switch. J. F. Frese. 2,482,757, Sept. 27.
Motor operated valve. E. G. Miller and R. E. Engberg. 2,483,322, Sept. 27.
Mounting: *See*—
Outboard motor mounting.
Mounting for piezoelectric elements. V. E. Bottom. 2,482,828, Sept. 27.
Mounting for soil treating units. H. C. Hettelsater. 2,482,910, Sept. 27.
Mounting of gramophone units. E. W. Mortimer. 2,483,295, Sept. 27.
Mouth-protective bit. J. L. Singer. 2,483,157, Sept. 27.
Moving apparatus, Earth. D. Baker. 2,483,033, Sept. 27.
Mower guard. J. M. Leake. 2,483,212, Sept. 27.
Multiplier, Frequency. J. F. Gordon. 2,482,973, Sept. 27.
Multiplier having an output of pulse groups, Frequency. J. F. Gordon. 2,482,974, Sept. 27.
Mute for musical instruments. T. L. Fawick. 2,483,268, Sept. 27.
Nailing machine. S. Rapport. 2,482,872, Sept. 27.
Needle for making knitted fabrics and reknitting them. E. Lalanne and P. Grandjean. 2,482,919, Sept. 27.
New derivatives of pyridine-3-carboxylic acid, Production of. H. Suter. 2,483,250, Sept. 27.
Nitrogen dioxide, Production of. J. F. Haller. 2,483,199, Sept. 27.
Novelty, Illuminable. A. G. Sharp. 2,483,107, Sept. 27.
Nozzle, Dispensing. F. C. Picut. 2,482,867, Sept. 27.
Oil temperature control. L. T. Miller. 2,483,291, Sept. 27.
Opener, Ampoule. M. B. Biro. 2,482,833, Sept. 27.
Operating system for vapor arc lamps. L. F. Bird. 2,482,894, Sept. 27.
Organo-substituted polysiloxanes, Liquid. M. M. Sprung and D. F. Wilcock. 2,483,158, Sept. 27.
Oscillator. B. J. Lazan. 2,483,318, Sept. 27.
Oscillator circuits. J. S. Cohen. 2,483,188, Sept. 27.
Oscillator, Transmission line. C. C. Eaglesfield. 2,483,189, Sept. 27.
Outboard motor mounting. M. J. Sturtevant. 2,483,249, Sept. 27.
Packaging machine, Alignment controlling. L. L. Salfisberg. 2,483,155, Sept. 27.
Paper cup holder. W. E. Amberg. 2,483,167, Sept. 27.
Paper roll holder. S. Rapport. 2,482,871, Sept. 27.
Paper yarn, Making. E. J. Brockman and T. M. Scruggs. 2,482,895, Sept. 27.
Partially depolymerizing vinyl ether polymers. C. E. Schildknecht. 2,483,374, Sept. 27.
Pedal mechanism. A. J. Narcovich. 2,483,224, Sept. 27.
Pencil, Magazine. R. Raimondi. 2,483,103, Sept. 27.
Penicillin salt, New. M. W. Goldberg and B. Teitel. 2,483,382, Sept. 27.
Perforator, Pipe. J. R. Jobe. 2,482,913, Sept. 27.
Pharmaceutical preparations. L. W. Hazleton. 2,482,752, Sept. 27.
Phase modulation system. B. J. Cosman. 2,483,262, Sept. 27.
Phenyl ethyl alcohol, Preparing. L. Nicholl, W. Bitler, and T. C. Aschner. 2,483,323, Sept. 27.
Phonograph reproducer, Electron tube type. J. F. Gordon. 2,482,972, Sept. 27.
Phono-pickup. J. F. Gordon. 2,483,196, Sept. 27.
Photographic reproduction and projection device for cathode-ray tube screens. G. C. J. Mol. 2,483,147, Sept. 27.
Photography, Infrared. F. Urbach. 2,482,815, Sept. 27.
Photorecording. F. Urbach. 2,482,813–14, Sept. 27.
Pilot device for tray type oil burners, Oil. K. S. Jenson. 2,482,912, Sept. 27.

Pin: *See*—
Self-locking hitch pin.
Pincer device for removably securing a dental prothesis. F. and P. Sevelhac, L. Cazeneuve, and P. Catharina. 2,483,353, Sept. 27.
Pipe: *See*—
Smoking pipe.
Pipe forming machine, Concrete. N. Tankovich. 2,482,949, Sept. 27.
Pipe insulation, Reinforced refractory. W. E. Schmidt. 2,482,878, Sept. 27.
Pipe joint. E. B. Shore. 2,482,944, Sept. 27.
Piston ring blank. H. M. Olson. 2,482,990, Sept. 27.
Play pen, Baby. C. L. O'Neill. 2,483,022, Sept. 27.
Plug: *See*—
Ignition plug. Spark plug.
Renewal electric fuse plug.
Pointer, Pencil. F. B. Chapman. 2,483,261, Sept. 27.
Polyalkylated monohydroxy cyclic sulfones. R. C. Morris and N. C. Melchior. 2,483,219, Sept. 27.
Polymer and copolymer of allyl carbamate. C. E. Gleim. 2,483,194, Sept. 27.
Polymerization of ethylene. L. Schmerling. 2,482,877, Sept. 27.
Polymerization of unsaturated fatty acids. C. G. Goebel. 2,482,761, Sept. 27.
Portable concrete mixer. F. H. Harwood. 2,482,976, Sept. 27.
Positioning mechanism, Drill. S. Niedelman and M. Rauscher. 2,483,060, Sept. 27.
Post puller. A. S. Toftey. 2,482,950, Sept. 27.
Potentiometer, Phase shifting. R. L. Cummerow and L. K. Davis. 2,483,125, Sept. 27.
Power installation, Hydraulic. M. G. R. Petty and G. F. Jones. 2,483,349, Sept. 27.
Power plant, Naval. F. Nettel and J. Kreitner. 2,482,791, Sept. 27.
Prefabricated building structure. E. J. Kump, Jr. 2,482,918, Sept. 27.
Press: *See*—
Shoe press.
Prefabricated cesspool structure. L. P. Price. 2,482,870, Sept. 27
Premolding and loading apparatus. J. Gregg. 2,483,004, Sept. 27.
Preparing compounds having folic acid activity. J. L. Stokes. 2,483,248, Sept. 27.
Pressure cooker cover fastener. W. C. Lueneburg. 2,483,319, Sept. 27.
Primer for pumps and the like. D. Murphy. 2,483,019, Sept. 27.
Primer mechanism, Gun. J. R. Oliver. 2,482,865, Sept. 27.
Printing and registering mechanism, Value. F. Q. Rast. 2,482,935, Sept. 27.
Printing device, Hand. C. C. Ruebel. 2,482,939, Sept. 27.
Printing machine. J. Chalmers. 2,483,260, Sept. 27.
Printing machine. E. J. Janke. 2,483,203, Sept. 27.
Printing, Multicolor. A. I. Sark. 2,482,941, Sept. 27.
Production of columbium containing steel. C. Sykes and C. W. Wright. 2,482,948, Sept. 27.
Proofing proteinaceous fibers against biological attack. E. B. Higgins. 2,483,008, Sept. 27.
Prop or the like, Clothes. F. O. Skidmore. 2,483,388, Sept. 27.
Protecting means for electrical windings. F. J. Sigmund and W. S. Hlavin. 2,483,066, Sept. 27.
Protective arrangement for electric power systems. G. W. Almassy. 2,483,117, Sept. 27.
Protector for automobile ignition switch coil leads. E. N. Jacobi. 2,483,284, Sept. 27.
Protein dispersions and their use in printing inks. A. F. Schmutzler and D. F. Othmer. 2,482,879, Sept. 27.
Puller: *See*—
Post puller.
Pulse discrimination system. G. W. Lenny, Jr., and P. E. Ward. 2,482,782, Sept. 27.
Pulse radio echo distance indicator. C. E. Dolberg. 2,483,187, Sept. 27.
Pump: *See*—
Helical multiple pump.
Pump. J. H. Davis. 2,483,335, Sept. 27.
Pump. C. A. Meath. 2,483,218, Sept. 27.
Purification of oleic acid. C. G. Goebel. 2,482,760, Sept. 27.
Purifying manganese electrolytes. J. Koster. 2,483,287, Sept. 27.
Pusher for slicing machines, Food. P. H. Meyer. 2,482,787, Sept. 27.
Putty comprising a liquid monomer and a finely divided solid insoluble polymer. J. L. Amos and E. D. Morris. 2,482,823, Sept. 27.
Rack: *See*—
Display rack. Foldable drying rack.
Drying rack.
Radio craft guidance system. H. H. Thompson. 2,482,809, Sept. 27.
Rain chap. F. I. Hamman and L. Lint. 2,483,136, Sept. 27.
Recalibrating motor control apparatus, Automatic. R. J. Ehret. 2,483,364, Sept. 27.
Receiver comprising automatic frequency control, Superheterodyne. F. A. de Groot. 2,483,314, Sept. 27.
Receiver, Remotely controlled. G. H. Isay. 2,483,053, Sept. 27.
Receiver, Superheterodyne. F. A. de Groot. 2,483,315, Sept. 27.
Receptacles with self-closing mouth. E. Anderson. 2,483,169, Sept. 27.
Reciprocating cylinder engine. W. H. Cook. 2,482,967, Sept. 27.
Record system, Card. C. E. Burns. 2,483,035, Sept. 27.
Rectifier. A. E. Howe. 2,482,777, Sept. 27.
Rectifier. D. Vitrogan. 2,482,817, Sept. 27.
Rectifier treatment. G. W. Smith. 2,483,110, Sept. 27.
Reflecting device, Light. W. F. Jackson. 2,483,202, Sept. 27.
Reflector assembly for portable electric flashlights, Explosion-proof. L. C. Grimsley. 2,482,763, Sept. 27.
Refractometer employing photosensitive devices and use of the same. R. M. Pierson. 2,483,102, Sept. 27.
Refrigerating apparatus. W. W. Higham. 2,483,007, Sept. 27.
Refrigerator cabinet having ice-cream can support means. H. W. Custer. 2,483,264, Sept. 27.
Refrigerator latch. L. L. Anderson and R. E. Johnson. 2,482,959, Sept. 27.
Removal of waste yarn from bobbins and the like. R. W. Lindsay. 2,482,854, Sept. 27.
Removing dust from leather. J. G. Hollick. 2,482,775, Sept. 27.
Renewal electric fuse plug. E. Meltzer. 2,483,018, Sept. 27.
Repairing cracked hollow metallic bodies. D. A. Mercer. 2,482,925, Sept. 27.
Repairing water pipes and equipment for use therein. T. N. Young and E. G. B. Gledhill. 2,483,082, Sept. 27.
Rest for ironing boards, Sadiron. L. A. Willens. 2,482,957, Sept. 27.
Rest for musical instruments, Shoulder. G. N. Humphrey. 2,483,052, Sept. 27.
Riveting apparatus, Explosively actuated blind. R. Temple. 2,483,112, Sept. 27.
Rod: *See*—
Fishing rod.
Roll heating and cooling. O. O. Oaks. 2,483,021, Sept. 27.
Roller and drum mill for flaking mica. P. M. Brown, Jr. 2,482,740, Sept. 27.
Rotatable illuminated advertising sign. D. W. Van Gieson. 2,482,886, Sept. 27.
Rubber articles, Making hollow. F. T. Roberts. 2,483,234, Sept. 27.
Safe incandescent lamp. M. C. Richardson. 2,483,351, Sept. 27.
Safety attachment for automobiles. H. G. Allen. 2,483,358, Sept. 27.
Safety coupling. L. C. Carmichael. 2,482,741, Sept. 27.
Sanding machine. A. Loucony and H. Eick. 2,483,369, Sept. 27.
Sash balance. S. E. Smith. 2,483,068, Sept. 27.
Saw retoother and metal cutter. H. P. Deyarmond. 2,483,336, Sept. 27.
Saw setting machine. H. O. Berry. 2,483,257, Sept. 27.
Scaffolding. C. Haas. 2,483,341, Sept. 27.
Scrooping composition. S. Kaplan. 2,482,917, Sept. 27.
Sealing and discharging device, Ampoule. H. R. Fry, Jr. 2,482,969, Sept. 27.
Sealing means, Piston. W. H. Du Bois. 2,483,313, Sept. 27.
Sear-control means for firearms. H. L. Crockett. 2,482,842, Sept. 27.
Securing means. P. G. Frerer. 2,483,042, Sept. 27.
Securing parts to rotor blade spars, Process of and apparatus for. J. T. Parsons and E. R. Brogren. 2,483,230, Sept. 27.
Self-illuminated transparent proctoscope. K. K. Golson. 2,482,971, Sept. 27.
Self-locking hitch pin. A. L. Spillman. 2,483,111, Sept. 27.
Separation of porous catalyst, Heavy gravity liquid. J. W. Payne. 2,483,372, Sept. 27.
Separation of primary, secondary, and tertiary alcohols by azeotropic distillation. J. M. Stribley. 2,483,246, Sept. 27.
Separator bowl, Cone disk type centrifugal. F. J. J. J. Henrard. 2,483,342, Sept. 27.
Sewing machine. N. V. Christensen. 2,483,036, Sept. 27.
Sewing machine. N. V. Christensen and C. C. Smith. 2,483,037, Sept. 27.
Sextant or the like. W. J. Eckert. 2,482,749, Sept. 27.
Shade, Lamp. T. A. Stiffel. 2,483,354, Sept. 27.
Sharpener, Razor blade. H. L. Hodgson. 2,483,009, Sept. 27.
Shield, Painter's masking. J. V. Hendrick. 2,482,977, Sept. 27.
Shipping package for heavy spools. T. R. Polglase and H. J. Hoebeke. 2,482,869, Sept. 27.

Shock-absorbing and motion-impelling means for cinematographs. I. Ciseki. 2,482,744, Sept. 27.
Shoe press. E. Dunford. 2,482,968, Sept. 27.
Shoe with bellows pocket upper. J. A. Lussier. 2,483,016, Sept. 27.
Shutoff valve. G. B. Warren and E. E. Parker. 2,483,163, Sept. 27.
Shutter release for folding cameras. R. E. Prentice. 2,483,232, Sept. 27.
SiF₄-impregnated alumina catalyst and preparing it. A. D. Garrison. 2,483,130, Sept. 27.
SiF₄-impregnated silica-alumina catalyst. A. D. Garrison. 2,483,131, Sept. 27.
Sight, Stereoscopic. S. J. Zaroodny. 2,482,822, Sept. 27.
Sign: *See*—
Rotatable illuminated advertising sign
Signal attachment, Vehicle. M. P. Mack. 2,483,058, Sept. 27.
Signal for motion-picture cameras, Used-film. I. Ciseki and A. Shapiro. 2,482,745, Sept. 27.
Signaling. H. Johnson, V. D. Landon, and A. M. Wiggins. 2,482,914, Sept. 27.
Silicon compounds for dewebbing elastomer latices, Organic. R. H. Walsh. 2,482,888, Sept. 27.
Slide loop. G. H. Elwell. 2,483,127, Sept. 27.
Slide loop. G. H. Elwell. 2,483,129, Sept. 27.
Sliding fastener. W. C. Levering. 2,483,057, Sept. 27.
Slinger spacer, Combination. R. W. Kopprasch. 2,483,013, Sept. 27.
Smoking pipe. F. G. Borger. 2,483,258, Sept. 27.
Snubber for fishing reels. N. A. Nelson. 2,482,863, Sept. 27.
Soap, Making. B. Clayton. 2,483,002, Sept. 27.
Space heater. R. E. Crozier. 2,482,746, Sept. 27.
Spark plug. F. Winholm. 2,483,357, Sept. 27.
Speculum. J. P. Price and W. T. Stover. 2,483,233, Sept. 27.
Spinning machine. W. H. Ham. 2,483,276, Sept. 27.
Spring control means and their mounting on vehicles, Frictional. G. W. Crabtree. 2,483,185, Sept. 27.
Spring group. F. E. Bachman. 2,483,171–2, Sept. 27.
Spring group. C. J. Clasen. 2,483,181, Sept. 27.
Spring group. R. B. Cottrell. 2,483,360–1, Sept. 27.
Spring group. C. E. Tack. 2,483,375, Sept. 27.
Stabilized solution of 1-methyl-5-isopropyl-5-allyl barbituric acid sodium salt. O. Schnider. 2,483,387, Sept. 27.
Stabilizer, Tractor track. D. R. Zang. 2,483,308, Sept. 27.
Stapler. G. D. Walker. 2,482,993, Sept. 27.
Stemless valve. D. C. Kirby, Jr. 2,482,780, Sept. 27.
Stoker, Inside delivery scatter feed. J. B. Marsden. 2,483,215, Sept. 27.
Stove, Pressureless gasoline. E. D. Quinnell and C. L. Eppley. 2,482,797, Sept. 27.
Strainer, Milk. D. O. Brant. 2,483,000, Sept. 27.
Stratosphere chamber. A. H. Heineman. 2,482,753, Sept. 27.
Stretching machine jaws, Making. E. W. Cooper. 2,482,841, Sept. 27.
Strip chart holder. F. J. Walters. 2,482,818, Sept. 27.
Strip coiler. W. M. McConnell and F. B. Abramsen. 2,483,143–4, Sept. 27.
Strip, Safety. W. H. Keier. 2,482,982, Sept. 27.
Stripping and knockout mechanism for molding dies. W. G. Harvey. 2,483,093–4, Sept. 27.
Sugar solution ion exchange. E. A. Haagensen. 2,482,765, Sept. 27.
Supply of ammunition to freely rotatable gun turrets. E. C. M. d'Assis-Fonseca and J. Wotton. 2,483,334, Sept. 27.
Supply system, Fuel. E. O. Wirth and F. Barfod. 2,482,956, Sept. 27.
Supplying agents to the digestive tract. E. L. Millard. 2,483,098, Sept. 27.
Support: *See*—
Tobacco article support.
Support for pedestals. S. Isakson. 2,482,979, Sept. 27.
Supporting frame for garments, Detachable. J. Glick. 2,483,367, Sept. 27.
Swimming trunks. U. Vacca. 2,483,076, Sept. 27.
Swing, Bird cage. J. J. Fischer. 2,483,003, Sept. 27.
Switch: *See*—
Motor operated switch.
Tire pressure alarm switch.
Switch and valve means for vehicles, Crash. G. H. Whiteside. 2,482,890, Sept. 27.
Switch with common cathode output, Electronic. R. D. Goodrich, Jr., and T. F. C. Muchmore. 2,482,759, Sept. 27.
Switching device for distribution of programs. S. G. Andersson. 2,482,998, Sept. 27.
Switching system. D. L. Herr. 2,483,281, Sept. 27.
Synchronizer, Electronic. R. C. Treseder. 2,482,812, Sept. 27.
Synthesis of vitamin B_6. S. A. Harris. 2,483,137, Sept. 27.
Table and chair, Combined. A. E. Puls and E. R. Swenson. 2,483,062, Sept. 27.
Table for automobile seats, Folding. J. F. Golden. 2,483,043, Sept. 27.
Table for hospital beds. P. A. Carlstedt. 2,482,896, Sept. 27.
Table for portable sewing machines, Pack-away. J. F. and F. T. Santley. 2,483,106, Sept. 27.
Telephone set with low acoustic coupling, Loud-speaking. E. S. Peterson. 2,483,231, Sept. 27.
Temperature probe of the thermocouple type. W. R. Polye and W. E. Brandau. 2,483,350, Sept. 27.
Tendering machine, Meat. H. Stukart. 2,482,991, Sept. 27.
Tensioning device for producing a linear pull. H. De Haven. 2,483,088, Sept. 27.
Terminal mounting electric fitting. W. H. Cook. 2,482,966, Sept. 27.
Terpene resins, Making. F. W. Corkery and S. G. Burroughs. 2,483,124, Sept. 27.
Testing and indicating system, Electrical. E. C. Pyatt and K. C. A. King. 2,482,932, Sept. 27.
Testing reduced scale patterns of engineering works. E. Montagne. 2,482,861, Sept. 27.
Textile assistants made from synthetic tanning agents and ammonium compounds. E. Schwager and J. Bindler. 2,482,942, Sept. 27.
Thermic siphons, Making. R. E. Glos. 2,483,091, Sept. 27.
Thread-cutting machine. S. C. Mack. 2,482,786, Sept. 27.
Tile, Roofing. W. S. Bremer. 2,482,835, Sept. 27.
Tilting mechanism, Converter. H. L. McFeaters. 2,483,017, Sept. 27.
Timer, Delay. H. H. Davids. 2,483,126, Sept. 27.
Timer for energizing devices for preselected periods, Impulse-controlled. M. E. Nelson. 2,483,020, Sept. 27
Tire casing and repairing same. J. M. Hooper. 2,483,010, 27.
Tire mounting device, Circumferentially traveling type. R. Moore. 2,482,789, Sept. 27.
Tire pressure alarm switch. E. C. and G. L. Lana. 2,482,984, Sept. 27.
Tobacco article support. J. Elger. 2,483,188, Sept. 27.
Tool: *See*—
Boring tool. Fence wire assembling
Container band serving and stretching tool.
tool.
Tool for handling open-ended spring retaining rings. W. Duffy. 2,483,380, Sept. 27.
Tool for handling open-ended spring retaining rings. H. Heimann and R. Feitl. 2,483,383, Sept. 27.
Toolholder, Tensioning. F. C. Willis. 2,482,995, Sept. 27.
Tooth, Excavating. J. Baer. 2,483,032, Sept. 27.
Tooth, Wire. J. H. Thomas. 2,482,883, Sept. 27.
Towel-holding and storing means. J. Rousso. 2,483,153, Sept. 27.
Toy bomber. H. F. Wheeler. 2,483,164, Sept. 27.
Tractor implement and control. R. E. Hartsock and R. W. Hens. 2,482,751, Sept. 27.
Trailer hitch and brake-actuating means. G. Swain. 2,483,074, Sept. 27.
Transfer mechanism for counters. H. N. Bliss. 2,483,359, Sept. 27.
Transload device. A. E. Brickman and M. E. Capouch. 2,482,836, Sept. 27.
Transmission of tone to warn the operator of a momentary disablement of a telephone talking connection by a coin collector. R W Jones. 2,483,206, Sept. 27.
Transmitter, Electron tube type. C. A. de Giers and A. Edelman. 2,483,266, Sept. 27.
Transmitter, Frequency modulation. F. W. Frink. 2,483,271, Sept. 27.
Treating apparatus, Surface. L. H. Bishop and J. S. Finn. 2,483,176, Sept. 27.
Treatment of ligno-cellulosic material and product resulting therefrom, Method of. H. W. Hall. 2,483,198, Sept. 27.
Trimmer, Lawn. F. C. Miller. 2,483,292, Sept. 27.
Truck. R. B. Cottrell. 2,483,184, Sept. 27.
Tube starter, Voltage regulator. R. W. Lee and R. L. Garman. 2,483,386, Sept. 27.
Tuner, Combined inductance and capacity. J. L. Rennick. 2,483,105, Sept. 27.
Tuning indicator for frequency modulation signals, Visual. C. E. Young. 2,482,821, Sept. 27.
Turbine system, Gas. R. Strub. 2,483,073, Sept. 27.
Tyrothricin, Preparation of. A. L. Baron. 2,482,832, Sept. 27.
Undergarment. E. A. Rockwell. 2,483,302, Sept. 27.
Unit, Engine-generator. L. W. Melcher. 2,482,924, Sept. 27.
Unit, Wall facing. P. J. Maul. 2,483,346, Sept. 27.
Valve: *See*—
Meter controlled valve. Shutoff valve.
Motor operated valve. Stemless valve.
Valve. R. B. Clay. 2,483,312, Sept. 27.

Valve and packing therefor, Multiple. J. Roberts. 2,482,873, Sept. 27.
Valve for musical instruments, Drainage. P. J. De Rubeis. 2,482,903, Sept. 27.
Valve mechanism, Flush. C. S. Garratt, Jr. 2,482,970, Sept. 27.
Variable-speed gear. A. L. Catford. 2,483,180, Sept. 27.
Vat dyestuffs, Purification of. M. Scalera. 2,483,238, Sept. 27.
Vehicle: *See*—
Baby vehicle. Collapsible trailer vehicle.
Vibrator. C. F. Coake. 2,483,085, Sept. 27.
Vibrator, Driver contact. C. F. Coake. 2,483,086, Sept. 27.
Vibrator, Hydraulic. A. Musschoot. 2,482,790, Sept. 27.
View mirror for automotive vehicles, Reflected. D. R. Martin. 2,483,289, Sept. 27.
Vulcanization of rubber. S. van der Meer. 2,483,026, Sept. 27.
Wardrobe. L. Gilbart. 2,483,340, Sept. 27.
Warp threads in circular looms, Distributing. V. M. J. Ancet. 2,483,118, Sept. 27.
Waterproofing textiles with sirconyl compounds. H. L. Van Mater. 2,482,816, Sept. 27.
Wax emulsions and preparation, Lusterless. A. E. Budner, A. F. Buckman, Jr., and E. Spurgat. 2,483,259, Sept. 27.
Weft tension take-up for looms. H. B. Gosnell. 2,482,975, Sept. 27.
Well manometer, Multiple. A. A. Hejduk. 2,483,384, Sept. 27.
Wernicke prism spectrometers and improved liquids therefor. R. F. Stamm. 2,483,244, Sept. 27.
Wheel: *See*—
Blower wheel. Motor-containing wheel.
Wheel assembly, Dual. H. W. Alden. 2,482,824, Sept. 27.
Wheel dresser, Threaded abrasive. F. A. Lohutko. 2,482,785, Sept. 27.
Wheeled carrier. W. M. Grant. 2,482,848, Sept. 27.
Window. L. H. Heeren. 2,482,772, Sept. 27.
Window fastener. L. E. Omans. 2,483,061, Sept. 27.
Window, Reciprocating. H. W. Hacker. 2,483,005, Sept. 27.
Window for pressure chambers. A. H. Heineman. 2,482,770, Sept. 27.
Wing for aircraft, Rotating. P. E. Renoux. 2,482,936, Sept. 27.
Writing instrument. J. C. Wahl. 2,483,329, Sept. 27.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 27, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 1: 2,482,872
49: 2,482,998
2— 42: 2,482,963
2,483,272
2,483,366
2,483,367
43: 2,483,302
67: 2,483,076
2,483,274
73: 2,482,994
80: 2,483,344
97: 2,483,015
181: 2,483,101
302: 2,483,273
4— 67: 2,482,970
166: 2,482,989
185: 2,483,077
5— 59: 2,483,286
99: 2,483,023
296: 2,483,067
7— 12: 2,482,805
8— 105: 2,482,858
115.6: 2,483,198
116.2: 2,482,755
116.3: 2,482,756
128: 2,483,006
9— 2: 2,483,249
12— 33: 2,482,968
15— 98: 2,482,882
128: 2,482,905
250.4: 2,483,242
257: 2,483,265
358: Re.23,152
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U. S. GOVERNMENT PRINTING OFFICE: 1948

October 4, 1949 Volume 627 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Total number of patent applications awaiting action, 146,093. Date of oldest new application, Nov. 28, 1947; date of oldest amended application, June 4, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-23-48	12-16-47	2832
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3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-7-49	3-10-49	854
4. BISHOP, WALTER O., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-26-48	9-13-47	2060
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	12-20-48	2-9-48	1359
6. SURLE, H., Carbon Chemistry (part)	12-3-48	10-5-48	1722
7. HANLIN, GEORGE, Optics; Photographic Apparatus	12-31-48	9-23-48	1289
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-26-48	10-1-47	2013
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-21-48	12-26-47	2201
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	11-13-48	9-17-48	1331
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-27-48	1-21-48	2046
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	10-20-48	1-23-48	1822
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-9-47	12-6-47	1918
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15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-1-48	6-3-48	1795
16. LOVEWELL, N. N., Television; Telephony	12-20-48	8-27-48	1383
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-12-48	6-4-47	2237
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	7-15-48	2-10-48	2446
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-10-48	5-11-48	1610
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	9-2-48	2-9-48	2069
21. MADER, R. C., Textiles	7-16-48	6-15-48	1371
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	1-24-48	12-23-47	1609
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-4-49	3-10-48	1068
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-4-48	10-9-48	2343
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-22-48	3-29-48	1695
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	12-17-48	8-10-48	1118
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	5-3-48	9-22-47	3223
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-8-48	3-9-48	1914
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-21-48	1-14-48	3286
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	12-18-48	12-1-48	1687
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-20-48	12-28-48	2132
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	10-9-48	5-6-48	1722
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	3-18-48	1-27-48	3950
34. SAPERSTEIN, A., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	7-24-48	5-26-48	1181
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	6-14-48	6-9-47	3814
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-5-48	7-26-47	2805
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	11-5-48	6-15-48	1228
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	11-26-48	8-25-48	1534
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	9-8-48	9-16-47	3001
40. DRUMMOND, E. J., Receptacles (part); Packages	11-15-48	2-17-48	2378
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-3-48	9-8-47	2292
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	2-9-49	2-2-49	966
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	9-17-48	1190
44. HARVEY, L. P., Beds; Chairs, Seats	1-28-48	10-11-47	2344
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Gearing; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	11-19-48	2-10-48	2387
46. O'LEARY, R. A. (Acting), Conduits and Pipe Joints; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishing; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	6-15-48	12-16-47	1882

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 146,093. Date of oldest new application, Nov. 28, 1947; date of oldest amended application, June 4, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	12-7-48	5-5-48	2047
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-17-48	5-10-48	1387
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-1-48	2234
50. LEVIN, SAMUEL, Synthetic Resins	1-18-49	11-18-48	1740
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	12-22-48	9-29-48	1563
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	7-31-48	12-30-47	3088
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-29-48	3-15-48	1875
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-22-48	1-20-48	1292
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	11-30-48	7-19-48	1557
56. COOKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification.	12-15-48	9-23-48	1995
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	7-9-48	8-1-47	2147
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-9-48	1-20-48	1778
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	12-20-48	9-13-48	1294
60. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-31-48	8-12-48	908
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-26-47	6-6-47	2680
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors.	10-9-48	11-24-47	2674
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	12-2-48	7-29-48	2219
64. NASH, F. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-21-49	2-26-49	1665
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	11-24-48	4-20-48	2278
66. LISANN, L., Geometrical Instruments	9-10-48	7-7-47	1846
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-16-48	6-23-48	1856
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	1-20-49	11-5-48	1399
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-20-48	9-12-47	2242
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-23-48	3-8-48	1705
Deputy: BREHM, G. L.	2-7-48	1-13-49	6766

Total number of trade-mark applications awaiting action (including renewals and republications), 28,293. Date of oldest new application, June 28, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part). 12, 15, 30, 31, 33, 44, 50	7-2-48	11-18-48	4831
2. KASCHUB, H. E., Class 46	8-24-48	7-20-48	3929
3. SUMMERS, G. S., Classes 21, 28, 38	6-28-48	1-26-49	3528
4. BARR, E., Classes 3, 7, 29, 40, 41, 42, 43	7-12-48	9-17-48	4316
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	7-8-48	10-28-48	3651
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 36, 39, 34, 35	9-28-48	11-9-48	3908
7. KEYS, O. M., Classes 2, 16, 18, 26, 45	9-23-48	8-27-48	2880
8. GEDMAN, H. W. { Renewals / Republications } All Classes	6-23-49	7-25-49	579
	6-22-49	7-18-49	667

NOTE: Trade-Mark Classes 2 and 36 have been transferred from Division 2 to Division 7.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

KOHL *v.* WILMS

No. 5536. Decided June 28, 1949

[— F.2d —; 82 USPQ 173]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—INTERFERENCE—BURDEN OF PROOF—NO REASON OF APPEAL.

In view of the fact that the reasons of appeal do not raise any question before us respecting the burden of proof, *Held* that we do not feel called upon to review that matter.

2. INTERFERENCE—PRIORITY—SNAP ACTION SWITCH.

Held that the decision of the Board of Interference Examiners awarding priority of invention to appellee of the counts in issue relating to an electrical snap switch, is affirmed.

APPEAL from the Patent Office. Interference No. 80,122.

AFFIRMED.

J. Harold Kilcoyne (*John Mahoney* of counsel) for Everard F. Kohl.

Carl T. Mack (*David A. Fox* of counsel) for Gustav O. Wilms.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding embracing ten counts, priority upon all of which was awarded to the party Wilms.

A general description of the invention is given in the brief for Wilms as follows:

> The subject matter involved in this interference, as defined by the counts, is an electrical snap switch, so constructed as to separate its electrical contacts without a transition condition of vanishing contact pressure, no matter how slowly the switch is actuated. A switch is thus provided which preserves substantial contact pressure until the instant of opening, minimizing deterioration caused by such electrical effects as arcing and welding or sticking of contacts.
>
> The Wilms patent from which the counts derive states:
>
> "• • • the contact pressure Fo cannot go to zero under equilibrium conditions prior to reversal of the switch."
>
> "It is to be noted that one advantage of this invention is that the flexible spring 3 during preliminary stages of actuation stores up energy which is later effective to operate the switch." • • •
>
> The desired result is accomplished in the structures defined by the counts by causing a resilient member to bow in a particular fashion to build up force necessary to snap a compressible toggle spring from one side to the other of the toggle axis. This bowing action is set up in such direction as to cause a storage of energy which is given out prior to and as the moving parts cross the toggle axis thus eliminating the possibility of the existence of a dead center or critical position for the parts. It is this which insures retention of substantial contact pressure in the switch up to the moment of snapping regardless of how slowly the switch may be actuated.

It was the view of the Board (and there does not appear to be any disagreement with this finding) that counts 3, 5, 7, and 9 are sufficiently illustrative of all the counts involved. These read:

> 3. In an electrical switch having a stationary contact and a movable contact engageable therewith, means for actuating the movable contact with a snap motion into and out of engagement with the stationary contact, comprising a pair of flat spring members, both rigidly mounted at one end in edgewise side by side relation, one member of which is longer than the other, the longer member carrying the movable contact, and an expansion spring confined between opposing adjacent end portions of said members to yieldingly urge the same apart, so that the combined spring action of the shorter spring member and the expansion spring at all times yieldingly urges the longer spring member toward one side or the other of a plane coinciding with the common plane of the end mounting of said members, and an actuator applied to the shorter spring member intermediate its ends to deflect said shorter spring member.
>
> 5. In a snap action switch, the combination comprising a contact carrier composed of flat spring material, mounted to be deflected to and from a contact, and having a free end and a rigidly mounted end, an endwise compressible resilient expansion member engaging said carrier at a point remote from the rigid mounting thereof, a laterally deflectable member composed of flat spring material rigidly mounted near the rigid mounting of said carrier, and having a free end engaging the end of said resilient expansion member opposite the end thereof engaged by said contact carrier, and means for acting upon said laterally deflectable member intermediate its ends to deflect and urge the same toward a line joining the rigid mounting of said laterally deflectable member and the point of engagement between said resilient expansion member and said carrier.
>
> 7. In an electrical switch, a combined mounting and actuating member for a movable contact, comprising a flat spring blade having a substantially U-shaped cut-out therein so as to provide substantially two independent spring blades, one longer than the other with the shorter blade disposed within the longer, the longer blade carrying the movable contact adjacent to its portion defining the closed end of the U-shaped cut-out, and an expansion spring having one of its ends seated on the longer blade and the other of its ends seated on the shorter blade, whereby said arms are biased with respect to each other and an actuator applied to said shorter blade intermediate its ends.
>
> 9. A snap acting control mechanism comprising in combination, a first member having a free end movable in a fixed path between two positions, an actuating means having a free end movable in a fixed path between two positions, and a resilient expansion member spaced between and engaging the said two free ends to form a resilient connection therewith having an axis of maximum stress, said first member and said actuating means arranged to allow said expansion member to move to alternate positions of reduced stress with snap action, and said actuating means including a resilient member and an actuator, said latter resilient member to be intermediate the actuator and the free end of said actuating means and arranged to be deflected in a direction across the said axis of maximum stress, whereby, upon motion of the actuator energy is stored in the latter resilient member to initiate snap action in said expansion member from one position to the alternate position before the movable end of the actuating means reaches said axis of maximum stress.

The record before us is an elaborate one covering some 1200 printed pages, including numerous

Vol. 627 • No. 1 Tuesday, October 4, 1949 Price $17.50 per year

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documentary exhibits. There are also a number of physical exhibits consisting of specimens of switches. Both parties took extensive testimony and were represented in oral argument, as well as by briefs, before the different tribunals of the Patent Office in all the proceedings there had following the declaration of the interference. The controversy obviously has been quite spirited. Rehearings of practically all the decisions of the Primary Examiner, as well as that of the Board, were sought and granted to the extent of writing additional opinions. Clearly, all phases of the case received very full consideration by the tribunals of the Patent Office.

In taking the appeal to this court the party Kohl, in his reasons of appeal, set forth 53 allegations of error. The brief on his behalf before us contains 122 printed pages and that of the party Wilms contains 46 pages.

From the foregoing it will be obvious that it has been necessary for us to expend much time and care in studying the record and the contentions made.

It may be said at the outset, however, that no serious question of law is in controversy. The brief for the party Kohl, notwithstanding the large number of errors assigned in the reasons of appeal, states:

> The issues to be decided in the interference are as follows:
> 1. The party upon whom the burden of proof is to be placed.
> 2. Whether switch Wilms' Exhibit 2 constitutes an abandoned experiment.
> 3. Whether the concealment and suppression of switch Wilms' Exhibit 2 estops him to assert that he is the inventor of counts 1 to 10 of the interference.
> 4. Priority of invention.

The brief for the party Wilms comments upon the Kohl statement of the issues as follows:

> The first issue attempted to be set up, poses a question as to the burden of proof. No action of the Board of Interference Examiners with reference to this subject was assigned as error on the appeal. The Board, in fact, as its decision shows * * *, determined the matter on the basis of simple preponderance of the evidence, on the basis of which Wilms was held entitled to prevail. There is no such delicately balanced question of who should prevail in the case as to render "burden of proof" of any significance whatever.
>
> The second issue attempted to be set up, is a challenge of Wilms' 1934 reduction to practice as an abandoned experiment. Errors 38, 39 and 51 * * * probably are here referred to.
>
> The third issue attempted to be set up by the party Kohl is but a repetiton of the second, and the fourth is nothing other than the general issue of "priority."
>
> It is therefore difficult to tell whether the party Kohl seeks to reverse the Board of Interference Examiners in its holding that the Kohl prior issued patent fails to support the counts. It is equally difficult to ascertain whether the party Kohl seeks to reverse the Board of Interference Examiners in its holding that none of the proofs of Kohl as to physical Exhibits A, M, N, P and Q support the counts.
>
> The bulk of the brief of Kohl, however, is devoted to an argument that the prior Kohl patent and the proofs of early activities on the part of Kohl support the counts. The correctness of the decision of the Board of Interference Examiners on these points is therefore assumed to be challenged.

The foregoing statements from the respective briefs seem to us fairly to define the ultimate issues of the case. So, the questions are solely questions of fact upon each of which the Board passed in its original decision rendered April 10, 1947, and again, to the extent necessary, in its decision of May 16, 1947, rendered in response to the request of the party Kohl for reconsideration.

[1] While, in view of the fact that the reasons of appeal do not raise any question before us respecting the burden of proof, we do not feel called upon to review that matter, it is deemed proper to quote the following from the Board's decision as a part of the history of the case:

> The interference was declared between the Kohl continuation-in-part application Serial No. 383,436, filed March 14, 1941, and the Wilms patent which was filed on October 19, 1938, as application Serial No. 235,760, which ripened into Patent No. 2,260,964 on October 28, 1941. Since Kohl was given the benefit of his earlier filed application Serial No. 214,923, filed June 21, 1938, now Patent No. 2,237,705, he was made senior party as the interference was originally set up.
>
> The counts here in issue originated in the Wilms patent. Kohl copied the claims in his pending application and requested an interference. The Primary Examiner instituted the interference without rejecting the claims to Kohl. During the motion period the party Wilms brought a motion to dissolve and also a motion to shift the burden of proof contending that the earlier filed Kohl application (now patent) would not support any of the counts here in issue.
>
> The Primary Examiner was of the opinion that Wilms admitted in his motion to dissolve that the disclosure in certain modifications of the pending Kohl application would support the counts in issue, as a consequence, the motion was denied forthwith.
>
> The Primary Examiner granted the motion to shift as to counts 1 to 7, inclusive, but denied it as to counts 8, 9 and 10. Kohl requested reconsideration of the decision with respect to counts 1 to 7 and Wilms requested reconsideration with respect to counts 8, 9 and 10. Without considering it necessary to consider Kohl's request for reconsideration the Primary Examiner reconsidered his previous decision and, with the exception of correcting some errors, adhered to his original position. On page 6 of Kohl's brief appears:
>
> "Since the question upon whom the burden of proof is to be placed may, under Rule 122, be reviewed at final hearing, the Board of Interference Examiners is respectfully requested to review this question of priority and to place the burden of proof of all the counts upon Wilms."
>
> Although the party Wilms has not definitely requested that the question upon whom the burden of proof falls be reviewed, under Rule 122, at final hearing nevertheless he contends * * * that the Primary Examiner was in error in holding that counts 8, 9 and 10 are supported by the Kohl structure illustrated in Figures 11 and 12 of his patent.
>
> Accordingly, both decisions * * * of the Primary Examiner will be reviewed.

It is to be seen, from the Board's review of the Primary Examiner's ruling, that it was not only concluded that the burden of proof was correctly shifted from Wilms to Kohl as to counts 1 to 7, inclusive, but that it should have been so shifted as to counts 8, 9, and 10 also, because the Board found that counts 8, 9, and 10 were not supported by Kohl's early application, filed June 21, 1938, which matured into Patent 2,237,705.

So, as the case stands before us, Kohl must be regarded as the junior party as to all the involved counts with the burden of establishing priority by a preponderance of the evidence.

It was found below that a switch constructed in conformity with the description and drawings of the Wilms patent was made and tested in July 1934. The switch was produced and placed in evidence as Wilms' Exhibit 2. We find no claim on the part of Kohl that the description and drawings do not disclose a complete embodiment of the material features of all ten of the counts, nor do we find any claim that Wilms' testimony relative to this phase of the case is lacking in full corroboration.

A further finding of the Board reads:

> The testimony in behalf of Wilms also clearly shows that a Wilms switch was sold to the A. C. Spark Plug Division of General Motors, Flint, Michigan, in November 1937; and, one to the York Ice Machinery Corp., York, Pennsylvania, in February of 1938. The latter was unquestionably a public use. Both of these dates are more than two years prior to the date March 14, 1941, the date of filing of the Kohl application herein involved and are a bar to the granting of a patent on any common subject matter in said application.

It is noted that the dates of both the so recited sales are prior to the filing date of Kohl's early application, Serial No. 214,923 (now Patent 2,237,705), on June 21, 1938. (It is also noted from the testimony that several sales not referred to by the Board apparently were made to others during 1937 and 1938.)

We are not convinced that the Board erred in according reduction to practice to the party Wilms "not later than July 1934," nor do we think, in view of the course shown to have been pursued by him, that there is sound basis for the contention that his product then reduced to practice was an abandoned experiment. We find no merit in the suggestion that the party Wilms suppressed and concealed his invention. This suggestion, in fact, has not been stressed before us.

It is obvious that in order for the party Kohl to prevail it must be found that he reduced to practice the invention, defined in all the counts, prior to "not later than July 1934."

The description and drawings in the application of the party Kohl, Serial No. 214,923, filed June 21, 1938 (which was the basis of his Patent No. 2,237,705), have been carefully studied, in the light of the extensive brief and the oral argument before us on his behalf. The several physical exhibits—the switches—also have been examined.

The Board of Interference Examiners, in its opinion stating the reasons for its decision, discussed and described in detail every pertinent feature of the invention. No useful purpose would be served by repeating or paraphrasing that part of its decision.

The switch in evidence as Kohl's physical Exhibit A, conceived and reduced to practice in 1932, does not support the counts in issue, nor does the switch in evidence as Kohl's physical Exhibit M, conceived and reduced to practice in 1933, support them. Such of Kohl's switches as might be held to support the counts were conceived and reduced to practice subsequent to the date properly accorded the party Wilms for conception and reduction to practice—that is, "not later than July 1934."

[2] The decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

HATFIELD, *J.*, was present at the argument of this case, but, by reason of illness, did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,926,671, W. D. Ferris, Overhead garage door, filed July 5, 1949, D. C., N. D. Calif. (San Francisco), Doc. 28989–G, *Frantz Mfg. Co.* v. *Glide-In Overhead Door Co.*

2,022,449, I. L. Wolkow, Handle, filed Aug. 8, 1949, D. C., N. D. Ga. (Atlanta), Doc. 3678, *I. L. Wolkow* v. *M. L. Clein et al.*

2,083,811. (See Re. 20,406.)

2,124,324, W. E. Weeks, Package, filed Aug. 15, 1949, D. C., N. D. Ohio, E. Div., Doc. 26738, *The Tas-T-Nut Co.* v. *Charles A. Peterson Co.*

2,237,883, S. G. Lipic, Ornamental device for a pencil, filed Aug. 11, 1949, D. C. N. J. (Newark), Doc. 647/49, *Ritepoint Co.* v. *Secretary Pen Co., Inc.*

2,264,322. (See 2,309,763.)

2,296,645, G. P. Marsden, Melon aligning and spacing conveyor, filed June 24, 1949, D. C., N. D. Calif. (San Francisco), Doc. 28978–E, *Rapid-Cleave Corp* v. *Food Machinery & Chemical Corp.*

2,309,763, C. B. Goodstein, Fastener-applying device; 2,264,322, A. H. Maynard, same, appeal filed Aug. 15, 1949, C. C. A., 2d Cir., Doc. 21421, *Bostitch, Inc.* v. *Precision Staple Corp. et al.*

2,326,854, J. E. Hassler, Method and means for sawing wood, filed Aug. 3, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1233, *E. C. Atkins & Co.* v. *Mell Tool Co.*

2,331,626, L. M. Perlitch, Combined blouse and slip, suit for declaratory judgment filed Aug. 8, 1949, D. C., S. D. N. Y., Doc. 51/202, *Kay Karen, Inc.* v. *L. M. Perlitch.*

2,373,285, C. A. Baer, Container, filed Aug. 12, 1949, D. C., E. D. Va., Doc. 1043, *Thermoseal Products, Inc., et al.* v. *Larus & Bro., Inc.*

2,408,358, S. B. Yates, Distributor for stoker, C. C. A., 4th Cir., Doc. 5891, *S. B. Yates* v. *Berkley Machine Works & Foundry Co., Inc., et al.* Judgment affirmed Aug. 11, 1949

2,461,464, R. Aronstein, Filter for fluorescent screens, filed Aug. 10, 1949, D. C., E. D. N. Y., Doc. 10195, *Transmirra Products Corp. et al.* v. *Visionette Co.* Same, D. C., S. D. N. Y., Doc. 51/224, *Transmirra Products Corp. et al.* v. *H. L. Dalis, Inc.* Doc. 51/225, *Transmirra Products Corp. et al.* v. *Radio Best, Inc.* Doc. 51/226, *Transmirra Products Corp. et al.* v. *Radio Merchandise Sales, Inc.* Doc. 51/227, *Transmirra Products Corp. et al.* v. *Television Guide, Inc.* Doc. 51/228, *Transmirra Products Corp. et al.* v. *Emerson-New York, Inc.* Doc. 51/229, *Transmirra Products Corp. et al.* v. *Admiral Corp. New York Distributing, Inc.*

2,463,264, M. Ketchum, Jr., Glass setting means, filed Aug. 11, 1949, D. C., W. D. Mich. (Grand Rapids), Doc. 1376, *The Kaucher Co.* v. *The Pittsburgh Plate Glass Co.*

2,463,439, J. E. Striedelmeier, Sandwich grill, filed Aug. 9, 1949, D. C., S. D. N. Y., Doc. 51/221, *Bar-B-Buns, Inc., et al.* v. *Nu-Flex Corp.* Doc. 51/222, *Bar-B-Buns, Inc.* v. *Superior Griddle Corp.*

Re. 20,406, 2,083,811, A. M. Bank, Upholstery construction, D. C., S. D. N. Y., Doc. 44/164, *Super Sagless Spring Corp. et al.* v. *Anka Webb Spring Co. et al.* Consent order of discontinuance (notice Aug. 8, 1949).

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 129,217, Schoenhofen Co., Non-alcoholic, non-cereal, maltless beverage sold as a soft drink, filed Aug. 2, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1218, *Green River Corp.* v. *Chubat Pharmacy.* Doc. 49c1219, *Green River Corp.* v. *Listecki Pharmacy.* Doc. 49c1220, *Green River Corp.* v. *Dronski's Confectionery.* Doc. 49c1221, *Green River Corp.* v. *Hemen Drugs.* Doc. 49c1222, *Green River Corp* v. *Firestone Pharmacy.* Doc. 49c1223, *Green River Corp.* v. *Hamlin-Grand Drugs.* Doc. 49c1224, *Green River Corp.* v. *The Lobby Drug Co.* Doc. 49c1225, *Green River Corp* v. *Arthur's Candies.*

T. M. 231,207, Petroleum Heat & Power Co., Petroleum oil burners, filed Aug. 11, 1949, D. C., E. D. Pa., Doc. 9998, *Petroleum Heat & Power Corp.* v. *Fairmount Petroleum Products Co., Inc., et al.*

NOTICES

Appointment of Attorneys in Applications under Secrecy Order

The act of October 6, 1917, as amended (35 U. S. C. 42–42*f*), provides that an invention may be held abandoned upon it being established that said invention has been disclosed or published in violation of a Secrecy Order issued thereunder by the Commissioner of Patents. Unauthorized disclosure, willfully made, is subject to further penalties.

Secrecy Orders as issued by this Office prohibit disclosure of unpublished details of the subject matter of an application in any way to any person not cognisant of the invention prior to the date of the Secrecy Order, except when written permission is first obtained from the Commissioner of Patents.

The appointment of new or associate attorneys in an application subject to Secrecy Order must be accompanied by an explanation of their right to access thereto, or preceded by a written permit, to avoid raising the question of a violation of the Secrecy Order.

LAWRENCE C. KINGSLAND,
Sept. 7, 1949. *Commissioner.*

Adjudicated Patents

(C. A. Pa.) Urquhart and Urquhart Patent No. 2,106,043, for method and apparatus for foam generating and distributing, *Held* invalid. *Pyrene Mfg. Co.* v. *Urquhart*, 175 F.2d 408.

(C. A. Pa.) Urquhart and Urquhart Patent No. 2,196,585, for method for generating and distributing fire extinguishing foam, *Held* invalid. *Id.*

(D. C. Kans.) Shaffer Patent No. 2,211,173, for a tool joint member, *Held* invalid. *Shaffer* v. *Armer*, 84 F. Supp. 613; 82 USPQ 359.

Interference Notice

MITCHELL CHEMICAL CO., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hall & Ruckel, Inc., 67 Vestry Street, New York, N. Y., for registration of a trade-mark and Registration No. 272,338, issued July 8, 1930, to Mitchell Chemical Co., 3026 E. 116th Street, Cleveland, Ohio, and the notice of such declaration sent by registered mail to the said Mitchell Chemical Co., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Mitchell Chemical Co., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Sept. 8, 1949. *Assistant Commissioner of Patents.*

Disclaimers

2,297,024.—*Paul Pöhls* and *Fritz Mietzsch*, Wuppertal-Elberfeld, Germany. DIARYLSULPHONE DERIVATIVES Patent dated Sept. 29, 1942. Disclaimer filed Aug. 27, 1949, by the assignee, *Winthrop-Stearns Inc.*

Hereby enters this disclaimer to claim 7 of said patent.

2,408,271.—*William W. Rigrod*, Bloomfield, and *David Gordon Clifford*, Montclair, N. J. COAXIAL TERMINAL ASSEMBLY. Patent dated Sept. 24, 1946. Disclaimer filed Aug. 27, 1949, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claims 1 and 2 in said specification.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,468,465. CHUCK FOR WOOD BIT BRACES. Patented Apr. 26, 1949. Chuck for a wood bit brace will retain both auger wood bits and round drill shanks. The chuck, fitted on lower end of the brace, has a retaining member with a sleeve and shank for attachment to the ratchet mechanism of the wood brace. The sleeve is threaded to hold a tapered nut for receiving three jaws which are expanded by springs between the jaws. Tapered grooves in sleeve receive the tapered head of a wood auger shank. Spring ring beneath flange of nut serves as a stop to release the jaws. If only a straight drill shank is to be retained, it will be engaged only by the jaws. (Owner) William F. Sawyer, 8051 Rickett Road, Brighton, Mich. Group 35—43—53. Reg. No. 27,576.

Pat. 2,459,671. OVERHEAD VALVE TAPPET CLEARANCE ADJUSTING WRENCH. Patented Jan. 18, 1949. Ratchet wrench is operated with one hand for adjusting tappets on valve-in-head motors, leaving other hand free for checking clearance of valve. A screw driver positioned vertically through the socket is operated by a beveled gear attached to the screw driver and ratchet handle. The handle is operated in either direction to raise or lower the adjusting screw. (Owner) George S. Morris, 6132 Morella Ave., North Hollywood, Calif. Group 33—52. Reg. No. 27,577.

Pat. 2,461,115. METHOD OF DEWAXING OILS. Patented Feb. 8, 1949. Basically, this patent involves a process of de-waxing oil by chilling wax-bearing oils in successive stages in counter-current heat exchange relationship with a flowing heat-absorbing liquid. Chilled and substantially wax-free oil is utilized in all stages as the heat-absorbing liquid. Wax-free oil withdrawn from the heat exchange system is cooled and mixed with similar oil flowing from the moving path of separation after the latter oil has passed part way through the heat exchange system. (Owner) A. B. Separator-Nobel (Sweden). Correspondence to The DeLaval Separator Company, 165 Broadway, New York 6, N. Y. Attention: C. S. Hapgood. Group 29—11. Reg. No. 27,578.

Pat. 2,454,593. PNEUMATIC CHUCK. Patented Nov. 23, 1948. A hand chuck for machine tools in which jaws on inner face of chuck have radial grooves meshing with spiral grooves in a circular plate within chuck. Plate is rotatable by a small bevel gear controlled by one or more fluid-operated engines in chuck body. The plate will cause the jaws to move in direction in which the spiral is wound. When jaws come in contact with member to be clamped, the movement stops and the engines cease to rotate. (Owner) Société Anonyme: Forges & Ateliers De Meudon, Meudon, France. Correspondence to Glascock, Downing & Seebold, National Press Bldg., 14th and F Sts., N. W., Washington 4, D. C. Group 35—43. Reg. No. 27,579.

Pat. 2,460,517. CURTAIN FIXTURE. Patented Feb. 1, 1949. Curtain fixture consists of a bracket and a sectional curtain rod. The bracket embodies a plate which provides three upright fingers, spaced in staggered relation with the two outer fingers offset to form projecting lower shoulder portions. The sectional curtain rod has a return bend at its outer end which provides a means of mounting the rod, and a T-shaped portion projecting rearwardly and upwardly from the end for a sliding fit between the two outer fingers of the bracket so that it rests on the shoulder portion of the two outer fingers. (Owner) Ida Lundstrom, Box 827 Central Station, St. Louis 1, Mo. Groups 25—62; 33—73; 40. Reg. No. 27,580.

Pat. 2,466,805. CHILD'S DEVELOPMENT GAME. Patented Apr. 12, 1949. Game for pre-school children to teach child to follow simple rules, teach color perception, and to assist in the development of aptitude. Center and six petals for each of four daisies are provided, each daisy a different color on upper side but all alike on under side. After shuffling, centers are placed in one pile and petals in another, all upside down. Each player chooses a center and then takes turns drawing petals. First player to obtain six petals to match his center calls out "It's a daisy" and wins the game. (Owner) Ora B. Griffin, R. F. D. 2, Vashon, Wash. Groups 26—99; 39—41—81; 40. Reg. No. 27,581.

Pat. 2,434,973. ERASER WITH MAGNETIC SUPPORTING MEANS. Patented Jan. 27, 1948. Typewriter eraser is removably mounted in flanges of a metal sleeve and may be replaced when worn. A magnet mounted through sleeve has exposed ends to support eraser against typewriter or other metal member until removed for use. (Owner) Ralph M. Williams, 902 North C St., Wellington, Kans. Groups 30—51; 40. Reg. No. 27,582.

Re. Pat. 22,938. TOOTHBRUSH. Reissued Nov. 25, 1947. (Original Pat. 2,378,641, dated June 19, 1945.) Toothbrush designed to be guided over teeth by movements of the face and tongue muscles prevents scratching teeth and cutting gums and strengthens face muscles. Bristles are trimmed to form a ridge of two intersecting planes insuring the proper inclination of the bristles during brushing. Handle has two faces parallel with planes of bristles. Brush is to be held at such an angle that only one row of bristles is used at a time and cleans teeth with a wiping action. Brush is placed well up on uppers or low on lowers and moved over the teeth by movement of the facial muscles for outside cleaning and the tongue for inner cleaning. (Owner) Christian Kisky, 1101 Stevens Bldg., Portland, Oreg. Group 39—17—22. Reg. No. 27,583.

Pat. 2,460,302. HAND-PIECE CHUCK. Patented Feb. 1, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A collet chuck for a flexible-shaft hand-piece does not require a wrench for tightening and affords great rigidity to tool being held. A locking spider is slidably mounted on a rotatable shaft.

Arms of spider engage lock nut at forward portion of housing. A locking ring on top of housing has spaced channels so arms of spider can fall into channels and engage the lock nut. The spider has spaced internal splines to engage external splines on shaft when a sliding sleeve is pulled out from front of housing. To secure a tool to the chuck the sliding sleeve is extended, the collet head turned by turning sleeve and tightening grip of collet about the tool. Sleeve is then pushed into housing after tool has been tightly gripped by the collet. (Owner) Milton S. Lundsten, 1415 North Franklin St., Colorado Springs, Colo. Group 35—43. Reg. No. 27,584.

Pat. 2,446,950. APPLICATOR'S GUIDE. Patented Aug. 10, 1948. Guide consists of a straight edge bar having a block bolted at each end to which a pair of hangers having a pointed blade are fitted. In applying shingles or siding to a wall, the blade of one hanger is driven into the wall to register with the upper edge of a shingle adjacent one end of a run. The upper edge of the bar is aligned with lower edge of shingle to constitute an extension of the edge. The blade of the second hanger is driven into the wall at a point slightly above the upper edge of the shingle. Thus all further shingles forming a part of a run have their lower edges supported on the bar edge before being nailed to the wall, assuring a straight run. (Owner) Elmer Parkhurst, 431 East Michigan St., Indianapolis 4, Ind. Group 33—52. Reg. No. 27,585.

Pat. 1,895,815. PERMANENT WAVE APPARATUS. Patented Jan. 31, 1933. Reg. No. 27,586.

Pat. 1,899,352. HAIR DRYING APPARATUS. Patented Feb. 28, 1933. Reg. No. 27,587.

Pat. 1,965,156. HAIR CURLING APPARATUS. Patented July 3, 1934. Reg. No. 27,588.

Pat. 2,086,636. PERMANENT WAVE APPARATUS. Patented July 13, 1937. Reg. No. 27,589.

Pat. 2,123,378. METHOD OF AND APPARATUS FOR WAVING HAIR. Patented July 12, 1938. Reg. No. 27,590.

These five patents relate to permanent wave, or associated apparatus. Patents 1,895,815 and 2,086,636 are somewhat similar; a pair of complementary sections form a heat chamber which retains a spool on which hair is wound to be waved. The spool is exposed to waving solution and vapors, etc., within the chamber and is provided with passages which permit the vapor to escape. A double-walled, transparent hood used in combination with an enclosed drying fan is described in Pat. 1,899,352. Air distributed between the walls and through perforations insures more effective drying within the hood and enables an operator to observe the drying progress through the hood. The portable curling apparatus in Pat. 1,965,156 includes a base and standard having a head equipped with flexibly mounted, electrically controlled curlers (as described above) each provided with its own heater and individual switch. Pat. 2,123,378 shows a spindle which causes equal tension to be applied to hair wound upon it so that a wave having a greater degree of permanency is produced. The device includes a padded clamp having a slit with an aligned double opening that separates a flat strand of hair into two sections. The rotary spindle has a ratchet at one end that coacts with a holding pawl on the clamp. (Owner) Gust W. Peterson, 228 West 103 St., Los Angeles 3, Calif. Group 39—91.

Pat. 2,462,223. TURBINE PUMP TYPE HYDRAULIC COUPLING. Patented Feb. 22, 1949. Fluid coupling includes a liquid-filled chamber having rotatably co-axially arranged driving and driven shafts, one shaft composed of spaced cup-like sections between which the other shaft is interposed. An unobstructed annular liquid-circulating space is provided between the shafts and the chamber walls. The sections are provided with driving vanes and annular rims that close the peripheries of the sections. The driven shaft is also equipped with vanes and annular rims which provide a discharge slot so that liquid circulated by the driving vanes is forced into the liquid-circulating space and separates into two streams returning to the intake sides of the sections, insuring smooth circulation. (Owner) Gust W. Peterson, 228 West 103 St., Los Angeles 3, Calif. Group 35—11—61. Reg. No. 27,591.

Pat. 2,467,008. ELECTRONIC TIMING AND CONTROL MEANS FOR RELAYS. Patented Apr. 12, 1949. Relay is particularly adapted, though not limited, to the control of a motion picture change-over switch. A transformer is connected to the plate and filament circuit of a pair of full wave thermionic rectifiers. The heating of the filaments is delayed for a timed interval by resistances included in the filament circuit so that one rectifier is actuated before the other. A normally closed cut-out relay (in circuit with one of the rectifiers) de-energizes a normally open cut-in relay (in circuit with the other rectifier) a short interval after its energization. A change-over switch requires manual actuation only to initiate operation after a standby cue has been received. The relay may also be used for controlling the time of exposure in electric photo printing devices and for energizing the starting coils of motors to reduce drag. (Owner) William A. Brown, P. O. Box 1021, Pensacola, Fla. Groups 36—11—62; 38—31; 39—12. Reg. No. 27,592.

Pat. 2,427,745. MECHANISM FOR CONTROLLING THE DRAWER CARRYING THE COILS OF A WIRELESS RECEIVER. Patented Sept. 23, 1947. Coils are carried in a drawer guided on two parallel rails. A rack on one side of the drawer is parallel to the guiding rail and provided with arc-shaped notches, the centers of which are arranged at regular intervals on a straight line. At right angles to the straight lines are U-shaped slots which separate the notches. A rotatable control plate is mounted on the rail and includes an arc-shaped locking cam which engages the notches. A driving claw on the plate at a point diametrically opposite the locking cam engages the U-shaped slots during rotation of the plate. (Owner) Société à Responsabilité Limitée: Zenith Radio, Paris, France. Correspondence to Glascock, Downing & Seebold, National Press Bldg., 14th and F Sts., N. W., Washington 4, D. C. Group 36—61. Reg. No. 27,593.

The following six patents are owned by E. A. Miller, 11 Old Elm Road, Bridgeport 29, Conn.

Pat. 2,296,046. SHEET-STOCK AXIALLY DRIVEN PERMANENT FASTENER. Patented Sept. 15, 1942. Reg. No. 27,594.

Pat. 2,353,579. DRIVE FASTENER. Patented July 11, 1944. Reg. No. 27,595.

The fastener described in these two patents is made from a strip of sheet metal, the side edges of which are transversely cut at intervals. Fins are alternately formed having cutting-corner shoulders which are twisted slightly out of alignment with the shank of the fastener. Once driven into particular channels formed in fiber board and similar stock less hard than the fastener, the fasteners cannot be readily withdrawn. Groups 33—12—73; 40.

Pat. 2,379,980. LOCK NUT. Patented July 10, 1945. Flexible sheet metal lock nut is flat and features a circular opening interrupted by a lobe having two points. When used in combination with a threaded bolt, the points are crowded or distorted out of alignment by the convolutions of the bolt so that the nut is firmly secured to the shank of the bolt. Modification is shown in which the lock nut is carried by a holding nut. Groups 33—12—59—73; 40. Reg. No. 27,596.

Pat. 2,382,019. COMPOUND SCREW. Patented Aug. 14, 1945. Compound screw is adapted to be driven into non-bored wooden (or similar) material. The screw includes several sections which are integrally connected (and of the same thread measurement) but each terminal of the threaded sections is provided with a cutting shoulder. Group 33—12—95. Reg. No. 27,597.

Pat. 2,393,923. MULTIPLE ANCHORING MEANS. Patented Jan. 29, 1946. Axially aligned rows of slightly projecting formations in staggered relation to each other are arranged on the surface of the shank of this anchoring means. Each of the formations is provided with a cutting apex that projects in the same lateral direction as all other formations. In use, the anchoring means is driven within a pre-formed passage in a work piece and then forcibly rotated so that the formations cut into the wall of the passage, causing material to be displaced and so block withdrawal of the shank. A recess is provided in the head of the shank so that the anchoring means may be rotated by a hex-wrench or the like. Group 33—12—95. Reg. No. 27,598.

Pat. 2,409,508. PUSH FASTENER. Patented Oct. 15, 1946. U-shaped fastener has a flexible fin projection with biting edges which enable the fastener to become self-locking when inserted in a bore especially provided for that purpose. Groups 33—12—73; 40. Reg. No. 27,599.

Pat. 2,450,971. PATIENT TRANSFER CARRIAGE. Patented Oct. 12, 1948. Carriage for hospital use enables patient to be transferred from bed to operating table with little discomfort or effort. The carriage provides a vertically adjustable platform with a laterally slidable top adapted to project on either side of the platform to overlie the patient's bed, operating table, etc. Safety features include a brake that prevents movement of carriage during transfer of patient, and a mechanism which maintains the platform in vertically adjusted position unaffected by the weight of patient. (Owner) Gerald C. Letch, 209 Doddridge St., Corpus Christi, Tex. Groups 25—32; 39—16. Reg. No. 27,600.

Pat. 2,458,764. METHOD FOR PREPARING SOLUTIONS OF COLLOIDAL SULFUR AND THE PRODUCTS THEREOF. Patented Jan. 11, 1949. An organic compound such as pyridine or ethylenediamine is used as a solvent for sulfur. When the dissolved sulfur is diluted with water and neutralized with a weak solution of hydrochloric acid, the sulfur is released as a colloid. The product may be used as an insecticidal spray. (Owner) Henri Brunel. Correspondence to John Imirie, Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Group 28—33. Reg. No. 27,601.

Pat. 2,119,988. ROTARY SWING OR ROUNDABOUT. Patented June 7, 1938. Roundabout for playgrounds is adapted to revolve on a supporting base block, and around a central stationary standard having its lower end embedded in the block. It has a single continuous circular seat with foot rest and back rest to accommodate a large number of children. The seat is mounted on the outer ends of a plurality of radiating arms of a rotary casting encircling the standard. A stationary circular hand rail within convenient reach is connected to the outer ends of radiating arms rigidly secured to the standard. Occupants of the seat may brace their feet against foot rest, grasp hand rail, and exert pull to cause roundabout to revolve. (Owners) Ella Gundrey and Sherman Gundrey. Correspondence to Ervin W. Johnson, 328 Main St., Darlington, Wis. Group 39—49. Reg. No. 27,602.

Pat. 2,465,011. PLATE PULLER. Patented Mar. 22, 1949. Puller is adapted for removing plates from blast furnaces without operator touching plates. It consists of two co-acting U-shaped frames, with one to function as a brace plate, and the other as a pulling frame. The inner ends of the legs of pulling frame are split to form yokes for attachment to ears of furnace plate preparatory to pulling operation. A suitable jack is employed between the cross bars of the frames to force pulling frame away from brace frame to withdraw furnace plate. (Owner) Edward A. Culliton, 426 Woodland Ave., Johnstown, Pa. Groups 33—11; 35—09. Reg. No. 27,603.

Pat. 2,449,074. LATCHING DEVICE. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Latch includes a swivel pin that will gyrate when a push button is depressed to retract a pair of latching rods connected to opposite ends of the pin. Latch consists of a metal strap carrying the push button and swivel pin. When installed, push button protrudes through outer side of a closure with the metal strap and a leaf spring bolted to inner side. (Owner) Edward M. Kealy, 5854 Cerritos Ave., Long Beach, Calif. Group 33—59. Reg. No. 27,604.

Pat. 2,455,692. VELOCIPEDE TOY SHOVEL ATTACHMENT. Patented Dec. 7, 1948. Scoop mechanism for attachment to existing velocipedes may be manipulated with one hand while velocipede is in motion to scoop up material off ground, transport, and dump it at any desired place. Once scoop is elevated, it is automatically held in such position. Pull may be exerted on a cord to swing open a gate latched to scoop to dump contents. Scoop mechanism consists of a pair of inter-connected swingable levers, with a scoop and a pivoted cantilever carried by one lever, and a combined guide and bracket member carried by other lever. The free end of cantilever may be clamped to forked front end of velocipede frame, and the bracket clamped to handlebars to secure mechanism to velocipede. (Owner) Frederick A. McDunnah, 24 Medford St., Lawrence, Mass. Group 39—43. Reg. No. 27,605.

Pat. 2,469,069. TROLLEY SUSPENDED PLAYGROUND DEVICE. Patented May 3, 1949. Suspended aeroplane device for playgrounds has a frame with a grooved wheel at each end to travel on an overhead cable. Retaining rollers of frame engage underside of cable. The fuselage is rotatably suspended from the frame so that it may be turned broadside toward the direction of travel, or completely around for return trip along cable. A hoop secured to lower end of an operating lever is adapted to encircle occupant seated in fuselage. Occupant may grasp hoop to move the lever back and forth to propel device along cable. (Owner) Don C. Grasler, Dixon, Mont. Group 39—49. Reg. No. 27,606.

Pat. 2,468,095. VEHICLE FOR TRANSPORTING AND HANDLING MATERIAL IN STACKS. Patented Apr. 26, 1949. A truck or trailer for transporting bricks from yard to job and unloading them in stacks without manual handling, salvaging the pallets on which bricks are usually stacked. Truck is provided with trackways which receive stacks of bricks delivered thereto by conventional loading means. An ejector thrusts the stacks of bricks from truck onto tracks of a tiltable platform hydraulically operated for vertical swinging. Platform is closed by a gate which supports bricks lying on their sides when platform is swung downward and tilted. Gate, together with pallets, is removed by power means, leaving the stack of bricks resting directly on ground. May be used for delivering other small heavy articles in stacks. (Owner) Kirwan Y. Messick, 1615 North Cleveland St., Arlington, Va. Groups 35—63; 38—11. Reg. No. 27,607.

Pat. 2,453,577. VARIABLE-SPEED TRANSMISSION. Patented Nov. 9, 1948. This patent provides mechanical

shifting means among several speeds within a gear transmission. Transmission features the use of movable eccentric masses that are pivoted near the periphery of a driving gear, which is keyed to a driving shaft. This gear meshes with another gear to drive a parallel auxiliary shaft. The masses have integral co-axial pinions meshing with a gear keyed to a driven shaft. The masses are adapted to carry out a planetary movement relative to the axis of rotation of the driving gear and assume a stationary position relative to the driving gear upon attainment of predetermined speed ratio between the driving and driven shafts to couple the shafts together. If the load is too great for the driven shaft to be thus energized, a gear meshing with a relatively large gear keyed to driven shaft will be unidirectionally driven by the auxiliary shaft to turn the driven shaft prior to attainment of such predetermined speed ratio. (Owner) Constantin Krispis. Correspondence to Michael S. Striker, 500 Fifth Ave., New York 18, N. Y. Groups 35—66; 38—31. Reg. No. 27,608.

Pat. 2,470,236. PACKAGE OPENER. Patented May 17, 1949. Device for slitting a package of cigarettes part way across one end and partially ejecting one or two cigarettes. A casing with parallel side walls has arch-shaped front wall slotted to accommodate a rotatably mounted circular knife. A pivoted arm spaced from knife supports an operating handle and a carrier for holding the package in such a way that ends of cigarettes are not injured when wrapper is slit. Arm and knife are operated by a ratchet movement. (Owner) Elliott Charlop, 1307 Shore Parkway, Brooklyn 14, N. Y. Groups 33—51; 34—99; 39—81—96; 40. Reg. No. 27,609.

Pat. 2,444,432. TWO-WAY ROLLER GUIDE. Patented July 6, 1948. Two-way roller assembly for hydraulic lift trucks, etc., has an inner roller which passes transversely through a larger outer roller to provide a compact arrangement for two-way rolling action. Outer roller turns on an axis substantially at right angles to that n which inner roller turns, so that it will assume major fore and aft thrusts, while inner roller will assume lateral thrusts. Inner roller is rotatably mounted on a cross bearing pin inside a forked frame. A collar encircling the forked support provides a bearing for the outer roller, and also prevents endwise displacement of the cross pin. Both rollers are cored out to provide lubricant chambers from which bearing bushings absorb lubricant. Thus years of satisfactory operation may be assured by initial lubrication. (Owner) William F. Eckert, 135 44th Ave., Belle Vista, St. Petersburg 7, Fla. Group 35—62—63. Reg. No. 27,610.

Pat. 2,452,112. EXPLOSION-PROOF STARTER. Patented Oct. 26, 1948. Reg. No. 27,611.

Pat. 2,465,436. EXPLOSION-PROOF GENERATOR. Patented Mar. 29, 1949. Reg. No. 27,612.

These two patents show an explosion-proof starter and explosion-proof generator for motor vehicles. Starter and generator are encased in individual air-tight, explosion-proof housings in a manner to leave a restricted gas escape passage so that, should an explosive mixture find its way inside and be ignited by sparks from the brushes, the escape of gas to atmosphere will be so slow as to avoid danger of igniting anything of a highly volatile or explosive nature that may be in the vicinity. In the starter, gas pressure will shift the housing longitudinally relative to starter housing and bring internal abutting shoulders of the housings into tighter contact so that the gas will escape longitudinally between the housings and out through the joint between the shoulders. In the generator, gas will escape through small clearance space in an elongated bore in which generator shaft operates. (Owner) William F. Eckert, 135 44th Ave. Belle Vista, St. Petersburg 7, Fla. Groups 35—41; 38—31.

Pat. 2,469,300. TIRE. Patented May 3, 1949. Inner tube for tires has a web partition, of a structure similar to the tube, dividing the tube longitudinally into two complementary sections, each with its own air valve. Width of web is equal to one-half of inner circumference of tube. If one section becomes deflated, pressure of remaining section will force the web against the deflated section, providing a snug fit to bridge the puncture and reinforce punctured wall of inner tube so vehicle can continue without change of tire. The remaining section may then be inflated to the desired pressure, and the tire is available for full service. (Owner) William J. Heyneman, 209 West Fourth Ave., Huntington, W. Va. Group 30—11. Reg. No. 27,613.

Pat. 2,469,821. TOOLHOLDER AND ADAPTER CHUCK FOR MOTOR-DRIVEN TOOLS. Patented May 10, 1949. Device may be attached to an ordinary rotatably driven chuck to hold a tool, such as a buffer, brush, grinder, etc. It consists of an elongated cylindrical socket member to be attached to chuck, and an elongated tool-holding shaft removably inserted into the socket. The shaft is substantially square in cross section but is formed with a slight helical twist to provide curved shoulders therealong. The socket is similarly shaped to receive the shaft with a sliding fit. When socket is rotating, the shoulders interlock with socket to prevent longitudinal displacement of shaft. When socket is idle, shaft may be easily removed by simply pulling it outwardly. (Owner) Edward Russell Galbraith, 380 Elmwood Ave., East Orange, N. J. Group 35—43. Reg. No. 27,614.

Pat. 2,203,892. ICE CUBE REMOVER. Patented June 11, 1940. Reg. No. 27,615.

Pat. 2,228,340. REFRIGERATING APPARATUS. Patented Jan. 14, 1941. Reg. No. 27,616.

These two patents relate to removable grids for subdividing the interior of a refrigerator tray into a plurality of ice cube molds. The grids of each patent may be moved by a single lever to free ice cubes from tray and from grid. The grid of Pat. 2,228,340 consists of two longitudinal sections in spaced, side-by-side relation, with their opposite ends interconnected for pivotal movement. A horizontal lever has an arm extending downwardly between the sections and connected to the sections by a double pivot. When lever is swung upwardly, it will raise one grid section, then lower it back into bottom of tray, and raise other section. As each section is raised, the lever simultaneously exerts downward pressure on one section and upward pressure on the other. In one embodiment of Pat. 2,203,892 actuation of lever will move a slide to cause pins depending from the slide into ice pockets to rotate and simultaneously swing upwardly to loosen the cubes. (Owner) Nash-Kelvinator. Correspondence to Ralph E. Baker, Patent Dept., Nash-Kelvinator Corporation, 14250 Plymouth Road, Detroit 32, Mich. Group 35—84.

Pat. 2,326,845. INSECT CATCHER. Patented Aug. 17, 1943. Reg. No. 27,617.

Pat. 2,328,632. INSECT CATCHER. Patented Sept. 7, 1943. Reg. No. 27,618.

A loop-shaped frame on a handle encloses a sheet of open mesh material coated with a sticky insect-entangling substance. When the catcher is swept through the air, any insect in the path of the mesh material will adhere to the sticky substance and be caught. Pat. 2,328,632 describes a wall receptacle for containing the insect catcher for protection and instant use. (Owner) Harry R. Etsler, Route 6, Box 292, Mt. Clemens, Mich. Groups 26—39; 33—49.

Pat. 2,469,877. COMBINATION TOOL. Patented May 10, 1949. A combination tool which functions as a pair of pliers and a soldering iron. An electrical heating element is attached in one handle of a pair of pliers below the point of union of the jaws. Tool may be operated as a pair of ordinary pliers, or the heating unit may be connected to supply heat to one jaw at operating temperature sufficient to melt solder. Simultaneously mechanical force may be applied by pliers. (Owner) Harry M. Haberman. Correspondence to Roger Williams, 41 Park Row, New York 7, N. Y. Groups 33—52; 36—21. Reg. No. 27,619.

Pat. 2,470,295. SPACE SCOPE. Patented May 17, 1949. A device for producing an optical illusion for use as a novelty or toy has only two parts stamped from metal or cardboard. A tube has a plate at one end, with two holes having same diameter as tube. One hole coincides with tube, and other hole is offset from tube approximately the same distance as that between a person's eyes. A small cylinder of felt, etc., is positioned in other end of tube. Observations are made with the small cylinder held over one eye, and both eyes kept open. An object which is held adjacent the offset hole will appear to have a hole through it. May be used as an advertising medium for cut-outs on cereal or other cardboard boxes. (Owner) A. Hanford Eckman, Box 59 Overbrook Road, Dallas, Pa. Groups 26—99; 33—73; 39—41—81—93; 40. Reg. No. 27,620.

Pat. 2,399,528. LENGTH IN TERMS OF WEIGHT MEASURING DEVICE. Patented Apr. 30, 1946. Device for measuring length of rolled material in accordance with weight of roll. A beam pivoted to a base supports a weighing pan having guide rods slidable through sleeves on base. A tare weight counterbalancing scale is provided adjacent pivotal support for beam. A conventional adjusting weight at outer end of beam is provided to compensate for weight of the reel on which material is rolled. A flexible band secured to inner end of beam is attached to the arcuate top of a calibrated depending means. A weight on depending means is adjustable for weight of roll of material. An indicator arm secured to the arcuate segment cooperates with a scale and indicates in yards amount of material being weighed. (Owner) Lloyd M. Williams, 410 Ruston Ave., Evansville, Ind. Group 35—65—74. Reg. No. 27,621.

Pat. 2,464,638. AXIALLY SHIFTING TYPE TIRE STRIPPER. Patented Mar. 15, 1949. Device for stripping tires from wheels may be adjusted to accommodate wheels and tires of various sizes. It consists of an upright hollow column with a reciprocating head inside connected to a hydraulic jack inside base of column. The head has four arms extending outwardly through elongated vertical guide slots in the column. Upright pusher members, having curved space ends for engaging the side of a tire casing, are adjustably mounted in radial slots in outer ends of the arms. The wheel hub is clamped to top of the column. In use, the head is raised sufficiently so that spade ends may be inserted between retaining flange of rim and side of tire casing. Further raising of head will cause spade ends to raise casing and slide it relative to rim in a stripping action. (Owner) Myron V. Falkner, Route 3, Arlington, Wash. Groups 35—69; 38—31. Reg. No. 27,622.

Des. Pat. 150,657. DESIGN FOR A LETTER OPENER OR SIMILAR ARTICLE. Patented Aug. 17, 1948. (Owner) Davison M. Richardson, Byron, Ga. Groups 33—51—73; 39—53—81—99; 40. Reg. No. 27,623.

Pat. 2,471,186. CLOTHESPIN. Patented May 24, 1949. A clothespin formed of a single piece of plastic has a wide head portion, with smaller depending leg portions. One leg is bent at an angle and rolled inwardly abutting second leg just below the head to form a clamp. A metallic insert embedded in head and rolled leg provides a firm clamping grip over clothesline. Lower end of second leg has a marginal bead to prevent snagging clothes. (Owner) Ethel P. Ashcroft, 410 North Wahsatch St., Colorado Springs, Colo. Groups 39—81; 40. Reg. No. 27,624.

Pat. 2,461,825. BUCKET HOLDER. Patented Feb. 15, 1949. A bracket is removably attached to a stepladder step for supporting a bucket. A U-shaped bracket of heavy stiff wire has clamping loops at sides connected by upper and lower parallel strips. A cross piece through center of lower strip has a clamping screw for attaching over edge of step. Legs project upwardly from the free ends of the top sides of clamping loops for supporting a cylindrical bucket holder. Holder has perforated ears at top and bottom of side supports to detachably receive legs of bracket. (Owner) Ted Kowalski, 3318 Otto St., Toledo 8, Ohio. Groups 25—99; 38—59. Reg. No. 27,625.

Pat. 2,469,700. TRANSPARENT PROTECTIVE GARMENT FOR INFANTS. Patented May 10, 1949. A transparent, waterproof, bag-like garment to protect infants during inclement weather. Garment has front opening, preferably closed with hook-type fasteners. Ventilating openings across lower end and at each side of upper portion have protective flaps. Top has a draw string for fastening about infant's neck. Separate hoods have skirts to protect the neck and are manufactured in styles for boys or girls. May be made of light sheet material and rolled for carrying in a small space. (Owner) Edwina S. Petrucelli, 66 Crooked Ave., San Anselmo, Calif. Groups 23—86; 39—81. Reg. No. 27,626.

Pat. 2,469,926. COMBINATION MICROMETER. Patented May 10, 1949. A mechanical attachment for a conventional depth micrometer for making precision inside, outside, and depth measurements. End of graduated sleeve of micrometer is set in center of a horizontal frame. A post is adjustably clamped in one end of frame. A long gage bar attached to end of post has a pin which engages plunger extending from micrometer. Contact member on other end of bar engages (when in zero position) a contact on an upper horizontal bar connected to top of a vertical post. The post has spaced openings to which the frame is adjustably attached. (Owner) Ray Layton, 3186 Arlington Ave., Muskegon, Mich. Group 35—43. Reg. No. 27,627.

Pat. 2,325,118. RAILROAD CAR LINK-AND-PIN-TYPE COUPLER. Patented July 27, 1943. Link-and-pin-type coupler for coupling such cars as ingot cars in steel mills has a drawhead having a horizontal flat surface for the link to rest on when inserted in the drawhead. A vertically swinging lever is fulcrumed by a trunnion mounting to extend backwardly above the link surface. Lever extends over flat surface into drawhead with a vertically swinging portion having a roller displaceable by and engaging with the link when it is forced into drawhead. A coil spring urges lever downwardly onto top of link when it is inserted in drawhead with the pin in link pin opening. To uncouple, lever is manually raised to withdraw pin and free the link. (Co-owner) Wilford E. Fiegle, 650 Ingraham Ave., Calumet City, Ill. Group 35—60. Reg. No. 27,628.

Pat. 2,471,231. BIRD RETRIEVER. Patented May 24, 1949. Device for recovering bird which has fallen into water. A strong hook is attached to the tapered front end of a wood float and fastened backwardly under bottom of float, the free pointed end of hook being bent forwardly and downwardly. Device is thrown into the water and pulled over the bird by a line at front of float. The pointed hook will contact bird so device can be pulled

through woods, etc., without dropping bird. (Owner) Benjamin Miller, 90 Stevens St., Andover, Mass. Group 39—49; 40. Reg. No. 27,629.

Pat. 2,097,770. TRANSFORMER. Patented Nov. 2, 1937. A regulable single-phase welding transformer of the core type. An auxiliary winding embraces the transformer yoke and is connected in series with either the primary or secondary winding. The connection between the windings and the auxiliary winding is formed by two slip rings on which the brushes slide when auxiliary winding is turned. One brush and its associated slip ring are connected to each end of the auxiliary winding. The auxiliary winding is rotated by a hand wheel for adjustment about the yoke for connection with either the primary or secondary winding. (Owner) Jan Morelisse. Correspondence to Robert E. Burns, 150 Nassau St., New York 7, N. Y. Group 36—19. Reg. No. 27,630.

Pat. 2,468,950. KEY CASE. Patented May 3, 1949. Key case (stamped from resilient sheet metal) consists of a strip bent lengthwise upon itself to provide two parallel sides for housing a key inside each end. The sides at opposite ends are formed with inwardly extending circular bosses to provide split pivot posts for the keys. The sides are also shaped to resiliently grip the keys when in either housed or extended position. Either key may be released for swinging movement to extended position by pressing opposite ends of case together. A belt or garment clip integral with one side also functions to distinguish ends of case in darkness. (Owner) Frank Cannon, Rhinecliff, N. Y. P. O. Box 185. Groups 33—73; 40. Reg. No. 27,631.

Pat. 2,461,684. DINETTE SET. Patented Feb. 15, 1949. A combination desk and table and chairs is designed for small apartments, etc. Hinged semi-circular table-top sections fold one upon the other and form a half circular desk. A rear leg and spaced front legs support the sections and provide a knee hole at front below a desk drawer slidable under the stationary top section. Five wedge-shape chairs with solid curved backs are provided, one for a desk chair and four to be pushed under the folded sections to form a rear wall for the half-circle desk. Hinged panels simulating desk drawers are attached to the front legs. When table is extended, the panels swing forward and support the movable section. (Owner) Walter C. Dierickx, 801 North Dixie Highway, Lake Worth, Fla. Group 25—11—19. Reg. No. 27,632.

Pat. 2,439,714. ATTACHMENT FOR WELL DRILLING DERRICKS. Patented Apr. 13, 1948. Attachment for drilling derricks facilitates the transfer of pipes or casings to a position for installation in a well. Attachment has a hinged base plate so that it may be swung upwardly out of the way when not in use. A carrier plate turnably mounted on the base plate carries a pair of spaced pivoted arms and a pair of pivoted clamping jaws overlying the arms. The jaws are normally urged to clamping position by a coil spring. The carrier plate may be swung from side to side, and a hinged foot pedal depressed to swing open the jaws to receive, or release, a pipe. Jaws and arms are independently adjustable to accommodate pipes or casings of different diameters. (Owner) Henry J. Broers, % Andrew Dykstra, Sandoval, Ill. Group 35—32. Reg. No. 27,633.

The General Electric Company will grant non-exclusive licenses under the following 31 patents on reasonable terms. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 1,883,839. PROTECTIVE ARRANGEMENTS. Patented Oct. 18, 1932. Reg. No. 27,634.

Pat. 1,914,327. PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS. Patented June 13, 1933. Reg. No. 27,635.

Pat. 1,971,810. ELECTRICAL DISTRIBUTION SYSTEM. Patented Aug. 28, 1934. Reg. No. 27,636.

Pat. 1,973,520. PROTECTIVE SYSTEMS FOR ELECTRICAL APPARATUS. Patented Sept. 11, 1934. Reg. No. 27,637.

Pat. 1,973,538. PROTECTIVE EQUIPMENT FOR ELECTRICAL APPARATUS. Patented Sept. 11, 1934. Reg. No. 27,638.

Pat. 2,050,082. SUPPRESSION OF GROUND FAULTS ON ALTERNATING CURRENT SYSTEMS. Patented Aug. 4, 1936. Reg. No. 27,639.

Pat. 2,067,127. PROTECTIVE SYSTEMS FOR ELECTRIC POWER TRANSMISSION LINES. Patented July 13, 1937. Reg. No. 27,640.

Pat. 2,098,035. PROTECTION OF ELECTRIC SYSTEMS. Patented Nov. 2, 1937. Reg. No. 27,641.

Pat. 2,128,857. CAPACITORS FOR POLYPHASE CIRCUITS. Patented Aug. 30, 1938. Reg. No. 27,642.

Pat. 2,164,182. PROTECTIVE SYSTEMS FOR ELECTRIC POWER TRANSMISSION LINES. Patented June 27, 1939. Reg. No. 27,643.

Pat. 2,185,029. PROTECTION OF ALTERNATING CURRENT ELECTRIC SYSTEMS. Patented Dec. 26, 1939. Reg. No. 27,644.

In these 11 patents fast-acting carrier protective systems are described in which, upon occurrence of a fault on an electric power transmission line, only the faulty section is cut out, the remainder of the system left intact. Faulty tripping under abnormal conditions is prevented (such as those conditions that occur when synchronous apparatus in various locations fall out of step with each other). Group 36—19.

Pat. 1,942,063. METER TESTING DEVICES. Patented Jan. 2, 1934. Reg. No. 27,645.

Pat. 1,965,329. ELECTRIC METERS. Patented July 3, 1934. Reg. No. 27,646.

Pat. 1,979,928. METER SEALING DEVICES. Patented Nov. 6, 1934. Reg. No. 27,647.

Pat. 1,995,878. METER CASINGS. Patented Mar. 26, 1935. Reg. No. 27,648.

Pat. 2,006,321. DEMAND METER. Patented June 25, 1935. Reg. No. 27,649.

Pat. 2,010,710. CONNECTING LINKS. Patented Aug. 6, 1935. Reg. No. 27,650.

Pat. 2,053,119. REVERSIBLE METER HANGER SUPPORT. Patented Sept. 1, 1936. Reg. No. 27,651.

Pat. 2,078,920. METER CASINGS. Patented May 4, 1937. Reg. No. 27,652.

Pat. 2,092,631. CONNECTION BLOCKS. Patented Sept. 7, 1937. Reg. No. 27,653.

Pat. 2,105,396. ELECTRIC METER MOUNTING. Patented Jan. 11, 1938. Reg. No. 27,654.

Pat. 2,111,419. CABLE CONNECTERS. Patented Mar. 15, 1938. Reg. No. 27,655.

Pat. 2,118,638. SEALING DEVICES FOR METERS. Patented May 24, 1938. Reg. No. 27,656.

Pat. 2,126,602. ELECTRIC METER MOUNTINGS. Patented Aug. 9, 1938. Reg. No. 27,657.

Pat. 2,154,310. METER CONNECTION BOXES. Patented Apr. 11, 1939. Reg. No. 27,658.

Pat. 2,162,548. METER SEALING DEVICES. Patented June 13, 1939. Reg. No. 27,659.

These 15 patents deal with the construction of house-type meters for measuring the consumption of electric current. Included are several meter housings which permit the meter to be used indoors or outdoors; a meter tester; a tamper-proof and weather-proof casing removable by a meter reader without disturbing conduit connections; a meter having a summation register in which a previous month's reading is shown as a means of checking bills; a two-part terminal block which includes a clamping arrangement; a hanger for supporting a meter; a weather-proof cable bushing; and a terminal chamber cover for an electric meter which features a sliding bar for covering screws adapted to fasten the cover to the meter casing. Group 36—13.

Pat. 2,074,135. MOTOR MOUNTING. Patented Mar. 16, 1937. Reg. No. 27,661.

Pat. 2,074,136. RESILIENT MOUNTING. Patented Mar. 16, 1937. Reg. No. 27,662.

These 3 patents describe mountings for dynamos and similar heavy machinery. Rubber or a like resilient electrical insulating material is used as a support in Pat. 2,047,838 to equalize electrical potential between inner and outer surfaces of the support to prevent the accumulation and discharge of static electricity while avoiding the hazard of a direct ground. Pat. 2,074,135 describes a support having a flexible frictional driving connection that produces sufficient friction in the connection at starting to make it effective to drive the load and yet permit some slippage in starting. An annulus of resilient material with a rigid outer surface is fitted on the hub of a dynamo in Pat. 2,074,136 to cushion vibration. Groups 30—51; 33—73.

Pat. 1,957,287. FAN BLADE. Patented May 1, 1934. Three-section fan blade which is relatively quiet in operation. Each of the sections has a curved leading edge, a surface which is substantially flat, and a trailing edge a portion of which increases in curvature toward the trailing edge. The combined surfaces of the sections are at least substantially equal to the disk area of the fan. Group 35—64. Reg. No. 27,663.

Pat. 2,046,992. DYNAMOELECTRIC MACHINES. Patented July 7, 1936. Provides a multiple winding for dynamos in which a number of electrically independent similar armature circuits, each wound for different voltages or a different number of phases are so arranged that any circuit may be operated alone or operated simultaneously as independent circuits or connected in parallel when the parts are exactly similar for operation as a single multiple circuit winding. Group 36—19. Reg. No. 27,664.

United States Government Owned Patents

The following two patents are owned by the United States as represented by the Secretary of the Interior by virtue of assignments made by the inventors, William Heckman (Pat. 2,469,387) and Paul S. Roller (Pat. 2,469,413). Non-exclusive and royalty-free licenses will be granted.

Inquiries concerning the patents should be addressed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,469,413. PROCESS FOR PREPARING BARIUM ALUMINATE. Patented May 10, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A process which accomplishes high temperature synthesis of barium aluminate with a reduction in the time required for the reaction. Barium sulfate and alumina are mixed in molecular proportions, and sodium carbonate added in small proportions. The mixture has a fineness of about 200 screen mesh when subjected to a heat treatment. Preferred temperature for this catalytic reaction is 1450° C. Proportions of ingredients are given in the patent. Group 23—31. Reg. No. 27,665.

Pat. 2,469,387. CONVERSION UNIT FOR FIRE FINDERS. Patented May 10, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Conversion unit provides sighting means for fire finders at night or in low visibility without changing present methods of making observations and calculations. With these observations and an oriented topographic map the "lookout" can determine approximate location of fire. Shutters are attached to the front sights of the fire finder in alignment with the two horizontal cross hairs. Another shutter adjustably clamped to rear sight has a scale-exposing opening. Rear shutter is lowered until lower sighting edge is in alignment with the line of sight from fire to upper edge of lower front shutter. Angle of depression is then read on the tangent scale. Angles of elevation are measured in same manner using upper edge of rear shutter and lower edge of front shutter. Group 39—13. Reg. No. 27,666.

The following 13 patents have been assigned to the United States as represented by the Secretary of Agriculture. Licenses to practice the inventions will be issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,459,222. INTRODUCTION OF AMINO GROUPS INTO CELLULOSE. Patented Jan. 18, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This invention relates to a practical process for the introduction of amino groups into cellulose textiles. The cellulose is wet with an aqueous solution of sodium hydroxide (mercerization strength of about 25 percent preferred), containing also 2-aminoethylsulfuric acid (preferably about 10 percent), then is heated at a temperature from 70 to 110 degrees C. for a minimum period from 40 minutes to 9 hours. The preferred temperature and time of heating are about 100 degrees C. and about 40 minutes, respectively. After the heating, the cellulose is washed to remove the sodium hydroxide. Nitrogen up to about 0.60 percent is readily introduced by this procedure, and the treated fabric dyes darkly and fast with acid wool dyes. It also lends itself to rot-proofing treatments and is slightly water-repellent. The 2-aminoethylsulfuric acid may be readily produced by reacting the relatively cheap products fuming sulfuric acid and ethanol amine. Group 28—51. Reg. No. 27,667.

Pat. 2,462,803. FIREPROOFING COMPOSITIONS. Patented Feb. 22, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A flameproofing composition consisting of chlorinated paraffin wax, a water-soluble urea-formaldehyde condensation product, and antimony oxide emulsified in water with an emulsifying agent, is described together with a process for applying it to organic combustible materials. The application includes impregnation of the material in such a manner as to control its increase in weight, then drying and heating to polymerize the urea-formaldehyde condensation product. The fire-retarding action thus obtained remains substantially undiminished after numerous launderings and the treated material, if used for clothing, is practically as comfortable to the wearer as the original untreated cloth. No more than about a 25 percent increase in weight and a moderate decrease in air permeability occur, whereas by other methods as much as an 80 percent increase in weight takes place and almost all air permeability is lost. Group 28—89. Reg. No. 27,668.

Pat. 2,462,933. PROCESS FOR MANUFACTURING ARTIFICIAL FIBER FROM PROTEINS CONTAINED IN COTTON SEED. Patented Mar. 1, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Cottonseed protein, as it is normally prepared from cottonseed meal, is obtained in such a form and contains such cross-linkages that it is impossible to prepare from it dispersions suitable for spinning into fibers. This patent describes a process by which the cottonseed protein is first treated with acids in such a manner as partially to denature it, to break the cross-linkages which interfere with the dispersion, and to transform the protein into a form from which dispersions can be made. Another result of this treatment is to change the structure of the protein

into a more linear form so that its dispersions become tacky and stringy and generally more suitable for fiber production. Such dispersions were successfully spun, stretched and hardened to produce fiber suitable for textiles and other purposes. Group 28—51. Reg. No. 27,669.

Pat. 2,463,740. PREPARATION OF PEANUT PROTEIN FREE FROM PEANUT SKIN PIGMENT. Patented Mar. 8, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Describes a process by which shelled, unblanched peanuts in the form of kernels are exposed for a few seconds to a dilute aqueous alkaline solution to remove pigment from the skins, then are washed, partially dried, and separated into oil and light-colored meal, from which latter a high quality protein suitable for many industrial uses may be obtained. The patent also describes similar removal of soluble pigments in peanut kernels by a few seconds' exposure to dilute acid and points out that the use of acid might be desirable if the protein is to be extracted by acid solutions. However, treatment with alkali was found to remove most of the acid soluble pigment, or color bodies, from the peanut skins. Groups 20—99; 28—29—89. Reg. No. 27,670.

Pat. 2,453,150. POLYESTERS OF DIMETHYLENE D-GLUCONIC ACID. Patented Nov. 9, 1948. (Granted under the act of March 3, 1883; as amended April 30, 1928; 370 O. G. 757.) Dimethylene d-gluconic acid is dissolved in an anhydrous solvent such as a tertiary amine, for example pyridine. The solution is treated with an acid halide, preferably a benzyl halide, to effect condensation polymerization, forming the polyester of the acid. The polyesters are linear polymers containing dimethylene gluconyl groups as the repeating units. They are relatively insoluble in the usual solvents, useful in the production of coating compositions, synthetic fibers and adhesives. Group 28—51—99. Reg. No. 27,671.

Pat. 2,455,981. ALKALI PROCESS FOR WHEAT STARCH PRODUCTION. Patented Dec. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Wheat flour is treated with 6 to 12 parts of aqueous alkali at a pH of at least 10.5 and below the gelatinising temperature of the starch. A homogeneous dispersion of the protein is formed, from which the starch granules may be separated by usual methods, such as, tabling or centrifuging. The protein may be recovered from the dispersion by acidifying to a pH of about 5.0 to 6.0 and removing the precipitated protein. Group 20—94. Reg. No. 27,672.

Pat. 2,460,117. STILL AND DECANTER FOR THE RECOVERY OF PRODUCTS FROM ALCOHOLIC SOLUTIONS OF OLEAGINOUS MATERIALS. Patented Jan. 25, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The apparatus is designed for continuously concentrating a liquid extract to remove volatile solvent, and is particularly adapted for removing an alcoholic solvent from an extract mixture of alcohol and alcohol-solubles from soybeans. It comprises first and second circulatory systems each characterized by an elongated evaporator tube, a vapor disengaging chamber and a liquids separator. Liquid extract is fed into the first stage through the evaporator and then into the vapor disengager. The vapor is condensed and recovered, and the liquid alcoholic solvent and oil are led to the liquids separator where phase separation occurs. The separator is connected with the second stage for the purpose of withdrawing the alcoholic solvent phase and treating it in a manner similar to that effected in the first stage. Lecithin, sugar and oil are recovered as the subnatant layer in the second stage liquids separator, alcoholic solvent withdrawn and alcohol vapors condensed for reuse, such as in extraction processes. Group 33—84; 35—51. Reg. No. 27,673.

Pat. 2,461,070. PROCESS TO PRODUCE A STABILIZED PROTEIN-FORMALDEHYDE DISPERSION. Patented Feb. 8, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An alkylene oxide is reacted with a protein to obtain a protein product capable of forming a stable dispersion with formaldehyde. Group 28—82—89. Reg. No. 27,674.

Pat. 2,461,746. AERATOR. Patented Feb. 15, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An apparatus is described for aerating a fluid material in such a way that downwardly flowing streams of the material enfold air and are then subjected to agitation to distribute the air in minute bubbles throughout the material. The apparatus consists of a vessel containing a circular partition, the lower section of which is imperforate and the upper section comprises a plurality of vertical strips which define a plurality of weirs. At the bottom of the partition is situated an impeller for agitating an impelling fluid material downward at the bottom of the partition from whence it flows upward about the outside walls of the vessel, through the weirs and down again. The apparatus was designed particularly for the purpose of aerating a cork substitute material. Group 35—61. Reg. No. 27,675.

Pat. 2,462,981. METHOD FOR THE PRODUCTION OF ITACONIC ACID. Patented Mar. 1, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A carbohydrate-containing nutrient medium is fermented with molds of the genus Aspergillus. A non-toxic mineral acid or ammonium salts of non-toxic mineral acids are added to bring the range of hydrogen ion concentration to pH 1.4 to pH 2.8. Before adding the acid or salt the mold spores are preferably allowed to germinate and accomplish slight mycelial growth. The process produces good yields of itaconic acid in short fermentation time, and is readily adaptable to submerged aerated techniques. Group 28—31—89. Reg. No. 27,676.

Pat. 2,463,784. METHOD OF PREPARING PENTONIC ACIDS FROM PENTOSES. Patented Mar. 8, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A nutrient medium containing an aldo-pentose is inoculated with bacteria of the genus Pseudomonas. The mash may be aerated by known methods, and pure synthetic nutrients may be used. The fermentation produces pentonic acids in good yield. Thus d-arabinose is converted into d-arabonic acid, and ribose or xylose are converted into the corresponding pentonic acids. The process possesses technical advantages over the known use of acetic acid bacteria for this purpose. Group 28—31—89. Reg. No. 27,677.

Pat. 2,467,798. 5,5'-DIHYDROXYDIAMYL ETHER. Patented Apr. 19, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Diesters of oxydivaleric acid are reduced with the aid of sodium and alcohol to produce 5,5'-dihydroxydiamyl ether having the formula:

$$HO—(CH_2)_5—O—(CH_2)_5—OH$$

This compound is useful as a plasticiser, as a chemical intermediate, and as a high-boiling solvent. Group 28—89. Reg. No. 27,678.

Pat. 2,469,147. PROCESS FOR THE RECOVERY OF OIL AND BYPRODUCTS FROM ALCOHOLIC SOLUTIONS OF OLEAGINOUS MATERIALS. Patented May 3, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) In a process for extracting soybean oil and lecithin from soybean material by hot alcoholic solvents, the alcoholic extract is cooled to separate part of the soybean oil, leaving an extract containing residual soybean oil. The invention comprises an improvement for recovering the alcohol and removing the residual soybean oil and lecithin from the extract, the extract is treated in a multi-stage continuous process of continuously vaporizing the alcohol to concentrate the extract thus causing the continuous separation of vegetable oil and removing the separated vegetable oil from the concentrated extract; part of the extract being recycled to the vaporizing step and part being treated by further evaporation and concentration to separate the lecithin. The first evaporating stage is so controlled to prevent concentration to the point of lecithin separation. Group 28—83. Reg. No. 27,679.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 4, 1949

[VOL. 627. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 509,806. WESTERN PRODUCTS, INC., Newark, Ohio. Filed Sept. 26, 1946.

WESTPLAK

FOR RIGID AND SEMI-RIGID SHEETS COMPRISED OF TEXTILE FABRIC, CORK, WOOD, PAPER, METAL, OR OTHER MATERIAL, LAMINATED OR UNLAMINATED, AND SURFACED WITH RESINOUS PLASTIC MATERIALS, FOR GENERAL USE IN THE INDUSTRIAL ARTS.

Claims use since Mar. 15, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 484,857. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, now by change of name Ciba Limited. Filed June 21, 1945.

PRISCOPHEN

FOR NEUROSPASMODIC.

Claims use since June 5, 1944.

Ser. No. 513,389. COUNT DORELIS, LTD., New York, N. Y. Filed Nov. 29, 1946.

SHI-KAR

FOR TOILET WATER.

Claims use since Aug. 27, 1946.

Ser. No. 522,334. HOUSE OF WESTMORE, INC., New York, N. Y., and elsewhere in the United States. Filed May 13, 1947.

IRISH ROSE

FOR LIPSTICKS.

Claims use since Apr. 18, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,657. HOLLI-WARE COMPANY, Chicago, Ill. Filed Sept. 24, 1946.

HOLLI-WARE

The word "Ware" is disclaimed apart from the mark.

FOR BRASS AND COPPER HOLLOW WARE, SOLD AS GIFTS—NAMELY, FLOWER POTS, PLANTING BASKETS IN THE NATURE OF FLOWER POTS, WALL POCKETS IN THE NATURE OF FLOWER POTS, END TABLE VASES, BUD VASES, CENTERPIECE BOWLS, AND BON-BON DISHES.

Claims use since Dec. 15, 1945.

CLASS 15

OILS AND GREASES

Ser. No. 507,967. CHEMICAL CORPORATION OF AMERICA, Los Angeles, Calif. Filed Aug. 24, 1946.

THORANE

FOR LUBRICATING OIL.

Claims use since July 18, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 512,244. COMPAGNIE INDUSTRIELLE & COMMERCIALE DU CYCLE & DE L'AUTOMOBILE, Les-Lilas (Seine), France. Filed Nov. 8, 1946.

LE TENOR

FOR ELECTRICALLY OPERATED WARNING HORNS FOR AUTOMOBILES.

Claims use since Sept. 8, 1925.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 504,123. MIDGAGE MODELS, INC., Portsmouth, R. I. Filed June 18, 1946.

MIDGAGE MODELS

No claim is made in this registration to the word "Models" and the term "3/16" Scale" apart from the mark shown, reserving, however, all other rights in or to the same.

FOR TOYS IN THE NATURE OF MODEL RAILROAD EQUIPMENT—NAMELY, RAILS, SPIKES, TIE STRIPS, TIES, WHEEL AND AXLE ASSEMBLIES.

Claims use since March 1946.

Ser. No. 522,954. LANGLEY CORPORATION, San Diego, Calif. Filed May 24, 1947.

LURECAST

FOR FISHING REELS.

Claims use since Mar. 25, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 501,819. CCA PRODUCTS ENGINEERING COMPANY, Glendale, Calif. Filed May 10, 1946.

CCA FILTER LUBE

The word "Filter" and the expression "Lube" are disclaimed apart from the mark.

FOR COMBINATION FILTER-LUBRICATOR DESIGNED TO BE MOUNTED IN A COMPRESSED AIR LINE USED IN DRIVING POWER TOOLS, THE IMMEDIATE USE BEING TO FILTER THE AIR AND ADD LUBRICANT IN THE FORM OF SPRAY PARTICLES TO THE FILTERED AIR IN THE COMPRESSED LINE.

Claims use since Nov. 24, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 523,886. CONSOLIDATED DISTRIBUTORS' ENGINEERING CORPORATION, Berwyn, Ill. Filed June 10, 1947.

CONSOLIDATED Distributors' Engineering Corporation

Applicant makes no claim to the words "Distributors' Engineering Corporation," "Beauty, Intelligence, Strength," when used apart from the trade-mark as shown.

FOR AIR COOLING AND CONDITIONING UNITS AND PARTS THEREOF; MECHANICAL AIR VENTILATOR UNITS—NAMELY, ELECTRICALLY-OPERATED ROTARY FANS AND APPARATUS FOR FILTERING AND/OR HUMIDIFYING, AND PARTS THEREOF; VENTILATORS AND HUMIDIFIERS OPERATED BY GRAVITY AND/OR NATURAL DRAFT, AND PARTS THEREOF; BLOWERS, FANS, AND FAN AIR CIRCULATORS FOR VENTILATION, AND/OR COOLING, AND/OR FORCED DRAFT PURPOSES, AND PARTS THEREOF; ALL FOR DOMESTIC AND/OR INDUSTRIAL USES.

Claims use since Jan. 15, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 509,185. L. E. WATERMAN COMPANY, New York, N. Y. Filed Sept. 16, 1946.

LUMALLOY

FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND PARTS THEREOF.

Claims use since Aug. 15, 1946.

Ser. No. 526,110. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.



FOR LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED.

Claims use since 1922.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 515,359. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif. Filed Jan. 7, 1947.

NUTRI·NEWS

The word "News" is disclaimed apart from the mark.

FOR MONTHLY PERIODICAL.

Claims use since May 20, 1940.

CLASS 39

CLOTHING

Ser. No. 513,295. CHICOPEE SALES CORPORATION, New York, N. Y., now by change of name Chicopee Mills, Inc., a corporation of New York. Filed Nov. 27, 1946.



FOR TEXTILE BABY DIAPERS, WATERPROOFED TEXTILE DIAPER HOLDERS, DISPOSABLE DIAPER PADS, AND DIAPER PADS.

Claims use since June 18, 1946, on textile baby diapers; and since Mar. 10, 1946, on remainder of goods.

Ser. No. 524,113. DESCO SHOE CORPORATION, Long Island City, N. Y. Filed June 13, 1947.

Let's Go With Desco

FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, IMITATION LEATHERS OR COMPOSITIONS AND COMBINATIONS THEREOF.

Claims use since January 1945.

Ser. No. 525,575. EXCEL GARMENT MANUFACTURING COMPANY, Minneapolis, Minn. Filed July 2, 1947.

EXCELITE

FOR READY MADE INTERLINERS FOR OUTDOOR GARMENTS.

Claims use since June 1, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 511,266. HARRY D. COOPER & CO., INC., Boston, Mass. Filed Oct. 22, 1946.

Featherssmooth

FOR WOOLEN GOODS IN THE PIECE AND BY THE YARD.

Claims use since Jan. 24, 1944.

Ser. No. 520,047. LOWELLITE, INC., New York, N. Y. Filed Apr. 2, 1947.

LOLEEN

FOR RAYON FLOCKED FABRICS SOLD BY THE YARD.

Claims use since Jan. 16, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 510,002. A. DE ST. DALMAS & COMPANY LIMITED, Leicester, England. Filed Oct. 1, 1946.

DALMAS

FOR NON-MEDICATED SURGICAL PLASTERS AND SURGICAL DRESSINGS.

Claims use since July 29, 1942.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 470,204. HENRY LOTTI, doing business as Liberty Bottling Company, Memphis, Tenn. Filed May 12, 1944.



The representation of the bottle is disclaimed.
FOR NONALCOHOLIC, MALTLESS, SOFT DRINK.
Claims use since Sept. 8, 1939.

Ser. No. 523,854. ORANGE SMILE SIRUP COMPANY, St. Louis, Mo. Filed June 9, 1947.

FLAVORETTE

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FLAVORING SYRUPS FOR MAKING THE SAME.
Claims use since January 1923.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 524,429. RALPH N. TAKAKI, doing business as Takaki Sanyo-Do, Honolulu, Territory of Hawaii. Filed June 18, 1947.

KIKKOMAN

キッコーマン

The Japanese characters shown on the drawing mean "Kikkoman."
FOR BARBECUE SOY SAUCE.
Claims use since July 25, 1941.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 535,048. ROBERT H. KARSTENS, Pasadena, Calif. Filed Sept. 19, 1947.



The words "Pasadena," "California," "Roses" and "Floral Mementos" and the representation of a flower are disclaimed apart from their use in the mark.
FOR CUT AND POTTED NATURAL ROSES.
Claims use since July 14, 1947.

Ser. No. 537,082. CARL G. SCHIETINGER, doing business as Sanitary Hatchery, Weimar, Tex. Filed Oct. 7, 1947.



The words "Brand," "Texas Bred" and "Chicks" and the representation of a chick are disclaimed apart from the mark.
FOR BABY CHICKS.
Claims use since Jan. 2, 1934.

Ser. No. 547,959. AMERICAN BULB GROWERS OF CALIFORNIA, INC., San Francisco, Calif. Filed Jan. 26, 1948.

Del-CROFT

FOR LILY BULBS.
Claims use since November 1945.

Ser. No. 560,729. STACKPOLE CARBON COMPANY, St. Marys, Pa. Filed July 8, 1948.

CERAMAG

FOR POWDERED, MIXED FERRITES USED FOR MAKING CORES FOR HIGH FREQUENCY INDUCTANCE COILS.
Claims use since May 6, 1948.

Ser. No. 560,853. WINSLOW BROS. & SMITH CO., doing business as Francis Willey and Co., Boston, Mass. Filed July 7, 1948.

TALROVE

FOR FIBRE SLIVER.
Claims use since May 7, 1947.

Ser. No. 578,922. DAWSON COAL COMPANY, Dawson Springs, Ky. Filed May 16, 1949. Under section 2f of the act of 1946.

DAWSON

DAYLIGHT

Applicant claims ownership of Registration No. 363,636.
FOR COAL.
Claims use since Sept. 1, 1924.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 543,554. ABE J. WHITE, Houston, Tex. Filed Dec. 5, 1947.

den-ter-gent

FOR PREPARATION FOR CLEANING AND POLISHING FALSE TEETH, DENTAL PLATES, AND DENTAL BRIDGEWORK.
Claims use since Apr. 1, 1947.

Ser. No. 545,958. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

KRANK'S

Applicant claims ownership of Registration No. 198,053.
FOR SHAVING CREAM.
Claims use since October 1908.

Ser. No. 547,773. LEE ROTHSCHILD, doing business as Corona Soapcrafters, Redlands, Calif. Filed Jan. 22, 1948.

HOLIDAY

FOR BAR SOAP IN PACKAGED FORM.
Claims use since Jan. 8, 1947.

Ser. No. 548,675. OAKITE PRODUCTS, INC., New York, N. Y. Filed Feb. 3, 1948.



No claim is made to the exclusive right to the representation of a carton apart from the mark as shown. Applicant claims ownership of Registrations Nos. 80,287, 127,103, and 417,925.
FOR CLEANING PREPARATIONS HAVING CLEANSING, DETERGENT, AND WATER-SOFTENING QUALITIES, RECOMMENDED FOR ALL CLEANSING, WASHING, DEODORIZING, AND POLISHING PURPOSES, PARTICULARLY FOR USE IN THE KITCHEN AND IN THE HOUSEHOLD GENERALLY, AND FOR USE IN LAUNDRIES, GARAGES, DAIRIES, AND INDUSTRIAL PLANTS OF ALL KINDS.
Claims use since Feb. 2, 1909, as to the word "Oakite"; and since Nov. 20, 1947, as shown.

Ser. No. 548,987. MOTO-SWAY CORPORATION OF AMERICA, South Pasadena, Calif. Filed Feb. 6, 1948.

SPRAY-FOAMATIC

The word "Spray" is disclaimed apart from the mark.
FOR CLEANING COMPOUND FOR GENERAL HOUSEHOLD USE AND CAR WASH.
Claims use since June 27, 1947.

Ser. No. 552,452. WILLIAM L. GOULD, Albany, N. Y. Filed Mar. 19, 1948.

SPARKLE-TYPE

The word "Type" is disclaimed.
FOR CLEANER FOR TYPEWRITER TYPE CONSISTING OF ADHESIVE STRIPS MOUNTED ON ONE SIDE OF THIN FLEXIBLE PAPER WITH A BLOCKED OUT OPENING, THE ADHESIVE PORTION OF SAID STRIP BEING EXPOSED THROUGH THE OPENING AND PROTECTED BY A STRIP OF CRINOLINE.
Claims use since Oct. 10, 1943.

Ser. No. 555,480. ATLAS POWDER COMPANY, Wilmington, Del. Filed Apr. 24, 1948.

RENEX

Applicant claims ownership of Registrations Nos. 391,244 and 356,875.
FOR SYNTHETIC DETERGENT FOR LAUNDRY AND INDUSTRIAL USES.
Claims use since Dec. 23, 1947.

Ser. No. 561,654. CENTRAL SOAP COMPANY, St. Paul, Minn. Filed July 19, 1948.

CESCO

Applicant claims ownership of Registration No. 221,320.
FOR SCOURING POWDERS, MOPPING POWDERS (A SOAP PRODUCT), SOAP STOCK, SOFT SOAP, LIQUID SOAP, SOAP FLAKES, POWDERED SOAP, HAND SOAP.
Claims use since May 1, 1924.

Ser. No. 564,035. CHRISTINE E. COOK, doing business as Crowell Chemical Co., Carlstadt, N. J. Filed May 5, 1948.

Oxford

Applicant claims ownership of Registration No. 288,910.
FOR METAL POLISH.
Claims use since Jan. 1, 1909.

Ser. No. 567,123. ALLOY METAL ABRASIVE COMPANY, Ann Arbor, Mich. Filed Oct. 18, 1948.

AMASTEEL

FOR STEEL SHOT AND GRIT FOR PEENING AND BLASTING PURPOSES.
Claims use since Oct. 17, 1947.

Ser. No. 567,159. THORO PRODUCTS CO., Denver, Colo. Filed Oct. 18, 1948.

THORO

Applicant claims ownership of Registration No. 254,565.
FOR DRY CLEANING FLUID FOR CLEANING SUITS, DRESSES, COATS, HATS, GLOVES, WOOLENS, SILKS, RAYONS, VELVETS, SATINS, LACES, CARPETS, RUGS, DRAPERIES, AUTOMOBILE, AND HOUSEHOLD UPHOLSTERY.
Claims use since Sept. 15, 1916.

Ser. No. 568,627. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Nov. 12, 1948.

J&J

Applicant claims ownership of Registration No. 96,680.
FOR SOAP.
Claims use since June 20, 1913.

CLASS 5

ADHESIVES

Ser. No. 568,625. JOHNSON & JOHNSON, New Brunswick, N. J. Filed Nov. 12, 1948.

DUO

Applicant claims ownership of Registration No. 201,445.
FOR LIQUID ADHESIVE.
Claims use since Jan. 1, 1925.

Ser. No. 569,280. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Nov. 23, 1948.

BONCRAFT

Applicant claims ownership of Registration No. 273,407.
FOR GUMMED TAPE.
Claims use since Feb. 1, 1930.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 529,812. NOPCO CHEMICAL COMPANY, Harrison, N. J. Filed July 28, 1947. Under section 2f of the act of 1946.

TANOYL

Applicant claims ownership of Registration No. 225,943.
FOR SULFONATED OILS WITH OR WITHOUT RAW OILS BLENDED THEREWITH, FOR USE IN THE FATLIQUORING, OILING-OFF, AND STUFFING OF LEATHER.
Claims use since 1908.

Ser. No. 546,692. FOOD MACHINERY CORPORATION, San Jose, Calif., now by merger Food Machinery and Chemical Corporation, a corporation of Delaware. Filed Jan. 10, 1948.

LAMBRAND

FOR SULPHUR.
Claims use since Oct. 21, 1947.

Ser. No. 547,335. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Jan. 17, 1948. Under section 2f of the act of 1946.



The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 207,523 and 405,017.
FOR LIQUID PREPARATION FOR DYEING SHOES.
Claims use since Aug. 10, 1934.

Ser. No. 548,985. MOTO-SWAY CORPORATION OF AMERICA, South Pasadena, Calif. Filed Feb. 6, 1948.

Spray-Foamatic

The word "Spray" is disclaimed apart from the mark.
FOR RADIATOR FLUSHING COMPOUND.
Claims use since July 28, 1947.

Ser. No. 549,155. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed Feb. 9, 1948. Under section 2f of the act of 1946.

JERGENS

Applicant claims ownership of Registrations Nos. 85,133 and 85,132.
FOR PERFUMES, TOILET WATER, COLD CREAM, FACE LOTIONS, TALCUM POWDER, FACE POWDER, ROUGE, MAKE-UP CAKE, LIPSTICK, AND LIQUID SHAVE LOTION FOR USE AFTER SHAVING.
Claims use since 1893.

Ser. No. 551,149. EDWARD R. WILLIAMS, doing business as Creative Chemical Company, Pittsburgh, Pa. Filed Mar. 3, 1948.

AQUATONE

Applicant claims ownership of Registration No. 190,604.
FOR CHEMICAL COMPOUNDS THAT ARE ADDED TO WATER USED IN SWIMMING POOLS AND THE LIKE TO SOFTEN THE WATER, TO REDUCE THE PREJUDICIAL EFFECTS OF ITS TREATMENT BY CHLORINE, TO DISSOLVE GREASY CONTAMINATIVES AND TO REPRESS ALGAE FORMATION.
Claims use since July 1943.

Ser. No. 552,293. WARNER-PATTERSON COMPANY, Chicago, Ill. Filed Mar. 18, 1948. Under section 2f of the act of 1946.

LIQUID SOLDER

FOR NON-METALLIC SEALING MATERIAL IN THE FORM OF A LIQUID INCORPORATING A CLOGGING SUBSTANCE FOR STOPPING LEAKS IN LIQUID CONTAINERS AND CONDUITS.
Claims use since March 1922.

Ser. No. 552,929. AQUANOX CORPORATION, Houston, Tex. Filed Mar. 25, 1948.

Aquanox

FOR DEMUSIFYING COMPOSITIONS, PARTICULARLY FOR USE IN BREAKING OR RESOLVING PETROLEUM OIL-WATER EMULSIONS.
Claims use since July 11, 1947.

Ser. No. 553,903. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Apr. 5, 1948.

CHEK-R-TON

Applicant claims ownership of Registrations Nos. 400,769, 407,240, 407,402, and 408,564.
FOR TREATMENT FOR ROUNDWORMS AND AN ADDITIVE APPETIZER TO FEED FOR POULTRY.
Claims use since February 1940.

Ser. No. 554,356. ASSOCIATED PHYSICIANS LABORATORIES, San Francisco, Calif. Filed Apr. 12, 1948.

Elixir Dy-Late

The word "Elixir" is disclaimed apart from the mark.
FOR SOLUTION TO BE USED IN THE TREATMENT OF NEURASTHENIA, ASTHMA FOLLOWING GRIPPE, CONVALESCENCE FROM INFECTIOUS DISEASES, DEBILITY, AND NERVOUS DEPRESSION, ANEMIA, AND MALARIA.
Claims use since May 1922.

Ser. No. 555,278. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Apr. 22, 1948. Under section 2f of the act of 1946.

Lesquendieu

Applicant claims ownership of Registration No. 215,385.
FOR ROUGE, LIPSTICK, POWDER SACHET, TOILET CREAMS, HORMONE CREAMS, TOILET LOTIONS, HAND LOTIONS, DEODORANT, EYE SHADOW, PERFUMED BUBBLE BATH PREPARATIONS PUT UP IN EITHER GRANULAR FORM OR IN LIQUID FORM, ANTI-SUNBURN FOUNDATION CREAM, SUN-TAN LOTION, SUN-TAN OIL, PREPARATIONS FOR SHAMPOOING AND FOR BRIGHTENING THE HAIR AND RESTORING AND PRESERVING ITS LUSTRE AND SHEEN, AND PREPARATIONS FOR THE CARE OF THE NAILS.
Claims use since 1904.

Ser. No. 556,175. CHEN YU, INC., Chicago, Ill. Filed May 4, 1948.

CORAL FAN

The word "Coral" is disclaimed.
FOR LIPSTICK AND NAIL LACQUER.
Claims use since December 1947.

Ser. No. 556,786. ENDO PRODUCTS INC., Richmond Hill, N. Y. Filed May 11, 1948.

MORUSUL

FOR MEDICINE FOR TREATMENT OF VARICOSE VEINS.
Claims use since Mar. 1, 1948.

Ser. No. 557,059. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 14, 1948.

MERCODINONE

Applicant claims ownership of Registration No. 500,254.
FOR DEHYDROCODEINONE BITARTRATE AS AN ANTITUSSIVE AGENT FOR THE RELIEF OF COUGHS.
Claims use since Jan. 12, 1948.

Ser. No. 557,728. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed May 25, 1948.

Palapent

FOR SEDATIVE.
Claims use since Oct. 20, 1947.

Ser. No. 562,403. THE QUAKER OATS COMPANY, Chicago, Ill. Filed July 28, 1948.

THFA

FOR TETROLYDROFURFURYL ALCOHOL.
Claims use since Mar. 31, 1948.

Ser. No. 563,024. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.

GOP

FOR CAPSULATED VITAMIN PREPARATIONS FOR HUMAN AND OTHER ANIMAL USE, INCLUDING SINGLE VITAMIN, MULTI-VITAMIN, AND VITAMIN AND MINERAL PREPARATIONS; CAPSULATED DRUGS AND MEDICINAL PREPARATIONS AND MIXTURES FOR HUMAN AND OTHER ANIMAL USE; CAPSULATED CREAMS, SALVES, LOTIONS, AND OINTMENTS FOR HUMAN AND OTHER ANIMAL USE; CAPSULATED TOILET AND COSMETIC PREPARATIONS AND MIXTURES; CAPSULATED DISINFECTING, DEODORIZING, STERILIZING, AND PURIFYING PREPARATIONS; CAPSULATED INSECTICIDES, GERMICIDES, FUNGICIDES, AND INSECT REPELLANTS; AND CAPSULATED CHEMICAL MATERIALS, COMPOSITIONS, AND MIXTURES.
Claims use since October 1933.

Ser. No. 563,479. THE HUBINGER COMPANY, Keokuk, Iowa. Filed Aug. 16, 1948.

INSTANT ELECTRIC

No exclusive claim is made to the word "Instant" apart from the mark as shown. The drawing is lined for shading purposes only. Applicant claims ownership of Registrations Nos. 431,942 and 430,350.
FOR LIQUID STARCH FOR LAUNDERING.
Claims use since Sept. 4, 1886 with respect to "Electric"; and since Aug. 7, 1946 with respect to "Instant Electric."

Ser. No. 563,769. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Aug. 26, 1948.

CRAMOSUXIDINE

Applicant claims ownership of Registration No. 422,586.
FOR ANTIBACTERIAL SUSPENSION.
Claims use since Aug. 25, 1948.

Ser. No. 564,377. DUON, INC., Coral Gables, Fla., and Dayton, Ohio. Filed Aug. 30, 1948.



The mark consists of a circle divided into quadrants by imaginary lines running along the vertical and horizontal axes; the lower left quadrant having the letter V disposed therein with the left-side arm following the contour of the circle and the right-side arm vertically disposed; the upper right quadrant having the letter F disposed therein with the top thereof following the contour of the circle and the leg thereof vertically disposed adjacent the vertical axis of the circle; the upper left and lower right quadrants having disposed therein a plurality of horizontally disposed lines running from substantially the vertical axis of the circle substantially to the outline of the circle.
FOR SKIN AND HAIR CREAMS AND SHAMPOOS.
Claims use since Jan. 6, 1948.

Ser. No. 564,681. STEVE C. SARCHIO, Garfield, N. J. Filed July 13, 1948.

RELAX-O

FOR LINIMENT FOR EXTERNAL USE.
Claims use since April 1943.

Ser. No. 565,458. SALES AFFILIATES, INC., New York, N. Y. Filed Sept. 18, 1948.

INECTO

Applicant claims ownership of Registrations Nos. 93,179 and 256,335.
FOR HAIR DYES.
Claims use since Feb. 28, 1911.

Ser. No. 565,968. SEE-JAY EXTERMINATING SERVICE, INC., Oklahoma City, Okla. Filed Sept. 27, 1948.

SEE-JAY

FOR INSECT EXTERMINATING POWDER.
Claims use since Oct. 5, 1945.

Ser. No. 566,181. SPALDING BROTHERS, INC., Pender, Tex. Filed Sept. 30, 1948.

MIRROR-TONE

FOR ANTI-FERMEN FOR USE IN AUTOMOBILES AND FOR OTHER COOLING SYSTEMS.
Claims use since July 1, 1948.

Ser. No. 566,618. JUDSON DUNAWAY CORPORATION, Dover, N. H. Filed Oct. 7, 1948.

elf

Applicant claims ownership of Registration No. 304,875.
FOR CHEMICAL DRAIN OPENER.
Claims use since Aug. 25, 1948.

Ser. No. 566,703. LEONARD FRIEDBERG, New York, N. Y. Filed Oct. 8, 1948.

Kissable Look

Applicant claims ownership of Registration No. 423,725.
FOR ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYE-BROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, SOFTENING CREAM, FOUNDATION CREAM, CUTICLE REMOVER, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASK, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, SUNBURN PREVENTATIVE, SHAMPOO, AND HAIR WAVE LOTION.
Claims use since Mar. 12, 1948.

Ser. No. 566,748. COLUMBIA CHEMICAL COMPANY, INC., Chicago, Ill. Filed Oct. 9, 1948.

DIAPURE

FOR TABLETS FOR DISSOLUTION IN WATER TO FORM A SATURANT FOR BABIES' DIAPERS TO PREVENT DIAPER RASH.
Claims use since Apr. 16, 1948.

Ser. No. 566,831. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed Sept. 30, 1948.

TOXERONE

FOR SPRAY TYPE LIQUID INSECTICIDE.
Claims use since Feb. 8, 1946.

Ser. No. 566,902. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 12, 1948.

Depocillin

Applicant claims ownership of Registration No. 355,089.
FOR REPOSITORY MEDICINAL PREPARATION FOR THE TREATMENT OF BACTERIAL INFECTIONS.
Claims use since July 20, 1948.

Ser. No. 566,903. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 12, 1948.

Intactein

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES.
Claims use since July 20, 1948.

Ser. No. 567,213. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 19, 1948.

OLOTHORB

FOR ADJUNCTIVE DIETARY SUPPLEMENT.
Claims use since Oct. 11, 1948.

Ser. No. 567,214. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 19, 1948.

VACLOBIN

Applicant claims ownership of Registration No. 364,941.
FOR PREPARATION USEFUL IN PROTEIN THERAPY.
Claims use since Oct. 6, 1948.

Ser. No. 567,692. THE GEBAUER CHEMICAL COMPANY, Cleveland, Ohio. Filed Oct. 27, 1948. Under section 2f of the act of 1946.

Gebauer's

Applicant claims ownership of Registration No. 224,775.
FOR ETHYL CHLORIDE, PHENYL MERCURIC CHLORIDE AND TANNIC ACID.
Claims use since February 1899.

Ser. No. 567,737. R. A. GOODDING, College Point, N. Y. Filed Oct. 19, 1948. Under section 2f of the act of 1946.

GOODDING'S

FOR LINIMENT.
Claims use since July 11, 1936.

Ser. No. 569,068. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Nov. 19, 1948.

HOUGHTO SOLV

FOR FUEL OIL SLUDGE DISPERSING CHEMICAL AGENT.
Claims use since Feb. 17, 1948.

Ser. No. 569,325. M. A. D. PRODUCTS, INC., Ramsey, N. J. Filed Nov. 18, 1948.

MAD

Applicant claims ownership of Registration No. 145,700.
FOR ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYE-BROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, SOFTENING CREAM, FOUNDATION CREAM, CUTICLE REMOVER, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASKS, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, SUNBURN PREVENTATIVE, SHAMPOO, AND HAIR WAVE LOTION.
Claims use since 1910.

Ser. No. 569,381. HARRY D. KOENIG & CO., INC., doing business under the name of Anre, New York, N. Y. Filed Nov. 24, 1948.

teñesten

FOR HORMONE CREAM FOR SCALP AND HAIR.
Claims use since July 23, 1947.

Ser. No. 569,397. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Nov. 24, 1948.

BELCEST

FOR VETERINARY ANTHELMINTIC.
Claims use since Nov. 8, 1948.

Ser. No. 569,436. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Nov. 26, 1948.

Nabob

FOR SUGAR FOR TANNING LEATHER AND MANUFACTURING PURPOSES.
Claims use since May 27, 1902.

Ser. No. 569,464. NEW YORK QUININE & CHEMICAL WORKS, INC., Brooklyn, N. Y. Filed Nov. 26, 1948.

NYQ

FOR MEDICINAL AND INDUSTRIAL CHEMICALS—NAMELY, ACETANALID, ACETOPHENETIDIN, ACID: ACETYLSALICYLIC, AMINOACETIC, ASCORBIC, BENZOIC, CITRIC, GALLIC, HYDRIODIC, LACTIC, MANDELIC, NICOTINIC, OXALIC, PHOSPHORIC, SALICYLIC, TANNIC, TARTARIC; ACONITINE, ALOIN, ALPHA TOCOPHEROL, ALUMINUM ACETATE, ALUMINUM CHLORIDE, ALUMINUM STEARATE, ALUMINUM SULFATE, AMINOPYRINE, AMMONIUM: ACETATE, BENZOATE, BROMIDE, CARBONATE, CHLORIDE, CITRATE DIBASIC, IODIDE, PHOSPHATE DIBASIC, PHOSPHATE MONOBASIC, SALICYLATE, SULFATE, THIOCYANATE; ANTIMONY POTASSIUM TARTRATE, ANTIPYRINE, APIOL LIQUID, APOMORPHINE HYDROCHLORIDE, ARECOLINE HYDROBROMIDE, ARSENIC TRIOXIDE, ASPARAGIN, ATROPINE ALKALOID, ATROPINE SULFATE, BARBITAL, BARBITAL SODIUM, BARIUM IODIDE, BARIUM SULFATE, BENTONITE, BENZALDEHYDE, BENZYL BENZOATE, BERBERINE HYDROCHLORIDE, BERBERINE SULFATE, BERBERINE SULFATE NEUTRAL, BETANAPHTHOL, BETANAPHTHOL BENZOATE, BISMUTH: BETANAPHTHOL, CHLORIDE, CITRATE, HYDROXIDE, NITRATE, OXYCHLORIDE, POTASSIUM TARTRATE, SALICYLATE, SUBCARBONATE, SUBGALLATE, SUBIODIDE, SUBNITRATE, SUBSALICYLATE, TRIBROMOPHENATE, TRIOXIDE; BLAUDS MASS POWDER, BLAUDS MIXTURE, BROMOFORM, BRUCINE ALKALOID, BRUCINE SULFATE, CADMIUM BROMIDE, CADMIUM IODIDE, CAFFEINE, CAFFEINE CITRATED, CAFFEINE AND SODIUM BENZOATE, CAFFEINE AND SODIUM SALICYLATE, CALAMINE, CALCIUM: ACETATE, BROMIDE, CARBONATE, CHLORIDE, GLUCONATE, GLYCEROPHOSPHATE, HYDROXIDE, HYPOPHOSPHITE, IODIDE, LACTATE, LACTOPHOSPHATE, NITRATE, PANTHOTHENATE DEXTROROTATORY, BIPHOSPHATE, PHOSPHATE DIBASIC, PHOSPHATE TRIBASIC, SALICYLATE, STEARATE, SULFOCARBOLATE; CAMPHOR MONOBROMATED, CARBROMAL, CARMINE, CHINOIDINE, CHLORAL HYDRATE, CHLOROBUTANOL, CHLOROFORM, CHLOROTHYMOL, CHOLINE CHLORIDE, CHRYSAROBIN, CINCHONA ALKALOIDS, CINCHONIDINE: ALKALOID, DIHYDROBROMIDE, HYDROBROMIDE, HYDROCHLORIDE, SALICYLATE, SULFATE; CINCHONINE: ALKALOID, BISULFATE, HYDROCHLORIDE, SALICYLATE, SULFATE; CINCHOPHEN, COCAINE ALKALOID, COCAINE HYDROCHLORIDE, CODEINE: ALKALOID, HYDROCHLORIDE, PHOSPHATE, SULFATE; COLCHICINE ALKALOID, COLCHICINE SALICYLATE, COLLODION, COPPER SULFATE, COPPER SULFOCARBOLATE, CORROSIVE SUBLIMATE, COTARNINE CHLORIDE, COUMARIN, CRAB ORCHARD SALT, CREAM OF TARTAR, CREOSOTE, CREOSOTE CARBONATE, CYANIDE CHLORIDE CARBONATE MIXTURE, CYANIDE CHLORIDE MIXTURE, DEXTROSE, DIGITALIN, DIGITOXIN, EMETINE HYDROCHLORIDE, EPHEDRINE ALKALOID, EPHEDRINE HYDROCHLORIDE, EPHEDRINE SULFATE, ETHYL AMINOBENZOATE, ETHYLMORPHINE HYDROCHLORIDE, FORMALDEHYDE SOLUTION, GUAIACOL LIQUID, GUAIACOL CARBONATE, HOMATROPINE ALKALOID PURIFIED, HOMATROPINE HYDROBROMIDE, HOMATROPINE HYDROCHLORIDE, HOMATROPINE SULFATE, HYDRASTINE ALKALOID, HYDRASTINE HYDROCHLORIDE, HYDRA-

STINE SULFATE, HYDRASTININE HYDROCHLORIDE, HYDRO MAGMA PASTE, HYDROQUINONE, HYOSCYAMINE ALKALOID, HYOSCYAMINE HYDROBROMIDE, HYOSCYAMINE HYDROCHLORIDE, HYOSCYAMINE SULFATE, IODINE, IODINE TINCTURE STRONG, IODOFORM, IPECAC AND OPIUM POWDER, IRON: AMMONIUM CITRATE, AMMONIUM CITRATE GREEN, AND AMMONIUM OXALATE GRANULAR, AND AMMONIUM SULFATE, CACCODYLATE, CARBONATE SACCHARATED, CARBONATE MASS, CHLORIDE, CITRATE, FERROCYANIDE, FILINGS, GLYCEROPHOSPHATE, IODIDE, AND MANGANESE PEPTONIZED POWDER, OXALATE, OXIDE SACCHARATED, AND POTASSIUM TARTRATE, PEPTONIZED POWDER, PHOSPHATE SOLUBLE, PYROPHOSPHATE SOLUBLE, QUININE AND STRYCHNINE CITRATE PEARLS, REDUCED, SULFATE EXSICCATED, SULFIDE GRANULAR, SULFIDE STICKS, SUBSULFATE POWDER, SULFATE; KAOLIN, LACTOSE, LEAD: ACETATE, CARBONATE, IODIDE, LACTATE, MONOXIDE, NITRATE, OXIDE; LIME IODIZED POWDER, LITHIUM: BROMIDE, CARBONATE, CHLORIDE, CITRATE, IODIDE, SALICYLATE; LOBELINE SULFATE, MAGNESIUM: CARBONATE, CHLORIDE CRYSTALS, CITRATE SOLUBLE, GLYCEROPHOSPHATE, HYDROXIDE, OXIDE, PHOSPHATE DIBASIC, PHOSPHATE TRIBASIC, SALICYLATE, STEARATE, SULFATE PURIFIED DRIED POWDER, MAGNESIUM TRISILICATE; MANGANESE: CHLORIDE, CITRATE, GLYCEROPHOSPHATE; MERCUROUS CHLORIDE MILD, MERCURY: MASS, MASS POWDER, AMMONIATED, BICHLORIDE, BISULFATE, CYANIDE, IODIDE RED, IODIDE YELLOW, OXIDE RED TECHNICAL, OXIDE RED, OXIDE YELLOW, OXIDE YELLOW TECHNICAL, SULFOCYANATE; METHADON, METHENAMINE, METHYL SALICYLATE, METHYLENE BLUE, METOL, MORPHINE: ACETATE, ALKALOID, HYDROBROMIDE POWDER, HYDROCHLORIDE, SULFATE; NARCOTINE, NARCOTINE SULFATE, NEOCALAMINE PREPARED, NEOCINCHOPHEN, NICOTINAMIDE, OPIUM, OUABAIN, OXYQUINOLINE BASE, OXYQUINOLINE BENZOATE, OXYQUINOLINE SULFATE, PANCREATIN, PAPAIN, PAPAVERINE HYDROCHLORIDE, PARADICHLOROBENZENE, PARAFORMALDEHYDE, PARALDEHYDE, PENTOBARBITAL SODIUM, PEPSIN, PHENOBARBITAL, PHENOBARBITAL SODIUM, PHENOLPHTHALEIN, PHENOLPHTHALEIN YELLOW, PHENOTHIAZINE, PHENOTHIAZINE DRENCH COMPOUND, PHENYL SALICYLATE, PHYSOSTIGMINE, PHYSOSTIGMINE SALICYLATE, PHYSOSTIGMINE SULFATE, PILOCARPINE: HYDROBROMIDE, HYDROCHLORIDE, NITRATE, SALICYLATE, SULFATE; PODOPHYLLIN, POTASH SULFURATED, POTASSIUM: ACETATE, BICARBONATE, BITARTRATE, BROMIDE, CARBONATE, CHLORATE, CHLORIDE, CITRATE, GUAIACOLSULFONATE, HYDROXIDE, IODATE, IODIDE, METABISULFITE, NITRATE, PERMANGANATE, PHOSPHATE DIBASIC, PHOSPHATE MONOBASIC, THIOCYANATE, SODIUM TARTRATE; PROCAINE HYDROCHLORIDE, PYRIDOXINE HYDROCHLORIDE, PYROGALLOL, QUASSIN, QUINIDINE ALKALOID, QUINIDINE SULFATE, QUININE; ACETATE, ALKALOID, ARSENATE, ARSENITED POWDER, BISULFATE, CITRATE, DIHYDROBROMIDE, DIHYDROCHLORIDE, ETHYLCARBONATE, FERROCYANIDE, FORMATE, GLYCEROPHOSPHATE, HYDRIODIDE, HYDROBROMIDE, HYDROCHLORIDE, HYDROCHLOROSULFATE POWDER, HYPOPHOSPHITE, LACTATE, OLEATE, PHOSPHATE, SALICYLATE, SULFATE, TANNATE, VALERATE; QUININE AND UREA HYDROCHLORIDE POWDER, QUINOIDINE, RESORCINOL, RIBOFLAVIN, RUTIN, SACCHARIN SODIUM, SALICIN, SANGUINARINE NITRATE, SANTONIN, SAPONIN, SCOPOLAMINE HYDROBROMIDE, SILVER: CYANIDE, NITRATE, OXIDE, PROTEIN MILD, PROTEIN STRONG; SODIUM: ACETATE, ARSENATE, ARSENATE EXSICCATED, BENZOATE, BIPHOSPHATE, BROMIDE, CACODYLATE, CARBONATE MONOHYDRATED, CARBONATE ANHYDROUS, CHLORIDE, CITRATE, GLYCEROPHOSPHATE, GLYCOCHOLATE, HYDROXIDE, IODIDE, PERBORATE, PHOSPHATE, PHOSPHATE EXSICCATED, SALICYLATE, SUCCINATE, SULFATE EXSICCATED, SULFATE (GLAUBER'S SALT), SULFITE ANHYDROUS PHOTO GRANULAR; SODIUM SULFOCARBOLATE, SODIUM THIOCYANATE, SOLUTION OF BISMUTH AND AMMONIUM CITRATE, SOLUTION OF FERRIC SUBSULFATE, SOLUTION OF POTASSIUM GLYCEROPHOSPHATE, SPARTEINE SULFATE, STRONTIUM BROMIDE, STRONTIUM IODIDE, STRONTIUM LACTATE, STRONTIUM SALICYLATE, STROPHANTHIN "K," STRYCHNINE: ACETATE, ALKALOID, ARSENATE POWDER, ARSENITED POWDER, GLYCEROPHOSPHATE, HYDROCHLORIDE, HYPOPHOSPHITE POWDER, NITRATE, PHOSPHATE, SULFATE, VALERATE; SULFANILAMIDE, SULFATHIAZOLE, SULFATHIAZOLE SODIUM, SULFUR PRECIPITATED, TALC, TERPIN HYDRATE, THEOBROMINE ALKALOID, THEOBROMINE SALICYLATE, THEOBROMINE AND SODIUM ACETATE, THEOBROMINE AND SODIUM SALICYLATE, THEOPHYLLINE, THIAMINE HYDROCHLORIDE (VITAMIN B, HYDROCHLORIDE), THYMOL, THYMOL IODIDE, TIN CHLORIDE CRYSTALS, TINCTURE IRON CHLORIDE, TOTAQUINE, TOTAQUINE SULFATE, UREA CRYSTALS, VANILLIN, WOOL FAT ANHYDROUS, WOOL FAT HYDROUS, YOHIMBINE HYDROCHLORIDE, ZINC: ACETATE, BROMIDE PURIFIED, OXIDE, PEROXIDE. PHENOLSULFONATE, STEARATE, SULFATE PURIFIED DRIED POWDER, SULFATE, VALERATE.

Claims use since 1920.

Ser. No. 569,644. SOCIETE ANONYME URACHIMIE, SOCIETE HENRY ROGIER, Paris, France. Filed Nov. 30, 1948.

Applicant claims ownership of French Registration No. 384,754, dated Mar. 25, 1948.

UPASERTINE

FOR URINARY ANTISEPTICS, AND PREPARATIONS FOR THE TREATMENT OF ARTHRITIS, BILIARY INFECTIONS, TYPHOID FEVER, ALL INFECTIOUS MALADIES, AND FOR USE IN THE PRESENCE OF THE COLON BACILLUS.

CLASS 7

CORDAGE

Ser. No. 568,902. ROCHESTER ROPES, INC., Culpeper, Va. Filed Nov. 2, 1948.

WIRELON

FOR PLASTIC COATED ROPES, STRANDS AND CORDS COMPOUNDED WITH WIRE AND/OR FIBRES.
Claims use since May 1, 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 555,739. RICHARD M. CUTTS, The Plains, Va. Filed Apr. 28, 1948.

SPR

FOR DEVICE FOR ATTACHMENT TO THE MUZZLE OF A SHOTGUN FOR CONTROLLING THE PATTERN OF THE PROJECTED SHOT.
Claims use since Jan. 1, 1946.

Ser. No. 565,119. RICHARD M. CUTTS, doing business as The Truflite Co., The Plains, Va. Filed Sept. 14, 1948.

TRUFLITE

FOR GAS PORTING DEVICE TO BE ATTACHED TO THE MUZZLE OF A GUN BARREL.
Claims use since Sept. 8, 1948.

Ser. No. 570,156. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.



The trade-mark consists of a monogram BA&CO.
FOR MATCHES, MATCH BOOKS, AND LEATHER AND CANVAS GUN CASES.
Claims use since 1915.

CLASS 10

FERTILIZERS

Ser. No. 551,583. THE PERMANENTE METALS CORPORATION, Oakland, Calif. Filed Mar. 9, 1948.



FOR HYDRATED LIME, HYDRATED DOLOMITE, AND PHOSPHATIC FERTILIZERS.
Claims use since Sept. 30, 1944.

Ser. No. 552,290. VIRDANS FARMS, Phelps, N. Y. Filed Mar. 18, 1948.

VIRDANS

The words "Plant Tonic" are disclaimed apart from the mark as shown.
FOR FERTILIZER FOR HOUSE PLANTS.
Claims use since Feb. 9, 1948.

Ser. No. 553,571. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Apr. 1, 1948.



3-IN-ONE

FOR CHEMICAL FERTILIZER.
Claims use since Jan. 29, 1948.

Ser. No. 561,682. RANDALL MILLS CORP., Paramount, Calif. Filed July 19, 1948.

RAMCO

FOR AGRICULTURAL MINERALS.
Claims use since Jan. 2, 1948.

Ser. No. 561,683. RANDALL MILLS CORP., Paramount, Calif. Filed July 19, 1948.



The words "Randall Mills Corp." and "Leaders in Quality" are disclaimed apart from the mark.
FOR AGRICULTURAL MINERALS.
Claims use since Jan. 2, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 562,959. RIBBONWRITER CORPORATION OF AMERICA, Fort Lauderdale, Fla. Filed Aug. 6, 1948.

RIB-N-RITE

FOR TYPEWRITER RIBBONS.
Claims use since Jan. 29, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 538,318. SIMPLEX, INC., Marshfield, Wis. Filed Oct. 18, 1947.

SIMPLEX

FOR BARN AND BARNYARD EQUIPMENT CONSISTING OF STALLS, STANCHIONS, WINDOWS, PENS, AND PADDOCK FENCING.
Claims use since 1912.

Ser. No. 541,863. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 20, 1947.

BAFFLE CRETE

No claim is made to the word "Baffle" apart from the mark shown.
FOR CASTABLE REFRACTORY MATERIALS OF GRANULAR FORM EMPLOYED IN CASTING THE BAFFLE WALLS OF BOILERS.
Claims use since June 26, 1936.

Ser. No. 542,310. HARBISON-WALKER REFRACTORIES COMPANY, Pittburgh, Pa. Filed Nov. 25, 1947.

MAGNAMOLD

FOR REFRACTORY MATERIAL COMPRISING DEAD BURNED MAGNESITE FOR MAKING MOLDS AND CORES FOR THE PRODUCTION OF METAL CASTINGS.
Claims use since Feb. 11, 1947.

Ser. No. 543,214. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 3, 1947.

PENNSALT

HF

FOR MATERIAL OF CONSTRUCTION OF THE NATURE OF SELF-HARDENING ORGANIC RESIN COMPOSITION, PREFERABLY INCLUDING CARBON FILLER, USED AS A BONDING CEMENT FOR ACID-PROOF BRICK OR TILE, ESPECIALLY CARBON BRICK, AND INGREDIENTS FOR PREPARING SUCH CEMENT, INCLUDING AN ACID-SETTABLE ORGANIC RESINOUS REACTION MIXTURE, AND A SEPARATE COMPOSITION THAT INCLUDES A SETTING AGENT FOR SAID RESINOUS REACTION MIXTURE.
Claims use since Oct. 10, 1947.

Ser. No. 545,804. GEORGE H. WEINROTT & COMPANY, Philadelphia, Pa. Filed Dec. 30, 1947.



The word "Homes" and the representation of the buildings are disclaimed.
FOR CONCRETE BUILDINGS AND PREFABRICATED COMPONENT PARTS OF REINFORCED CONCRETE SUCH AS FOUNDATIONS, FLOORS, WALL PANELS, CEILINGS, ROOFS, CHIMNEYS; UTILITY ROOMS SUCH AS BATH ROOMS, KITCHENS, LAUNDRY ROOMS, CLOSETS, STORAGE ROOMS, AND GARAGES; GIRDERS, BEAMS, AND TRUSSES.
Claims use since July 1, 1946.

Ser. No. 546,151. THE M. J. GROVE LIME COMPANY OF FREDERICK COUNTY, Lime Kiln, Md. Filed Aug. 18, 1947. Under section 2f of the act of 1946.



No claim is made to the words "Frederick County Lime" except in combination with the mark as shown. Applicant claims ownership of Registration No. 70,660.
FOR LIME.
Claims use since July 1, 1875.

Ser. No. 547,993. INSULATED WINDOW COMPANY OF AMERICA, Minneapolis, Minn. Filed Jan. 26, 1948.

WIND-O-THERM

The term "Wind-O" is disclaimed.
FOR INSULATING WINDOW ASSEMBLIES.
Claims use since Jan. 16, 1948.

Ser. No. 548,229. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Jan. 29, 1948.

ARLON

FOR PLASTIC WALL TILE.
Claims use since Jan. 21, 1948.

Ser. No. 554,075. AMERICAN-MARIETTA COMPANY, Chicago, Ill. Filed Apr. 8, 1948.

KAPCO

FOR WALL BOARDS, CONCRETE CURING COMPOUND, RUBBER ASPHALT JOINT SEALING COMPOUND, ROOF CEMENT, AND SEWER JOINT COMPOUND.
Claims use since Jan. 1, 1942.

Ser. No. 554,250. NORTH AMERICAN CEMENT CORPORATION, New York, N. Y. Filed Apr. 9, 1948.



The drawing shows the band lined for blue. The trademark is a blue band disposed centrally and along the length of a cement bag. Applicant claims ownership of Registrations Nos. 228,241 and 228,242.
FOR HYDRAULIC CEMENT.
Claims use since September 1926.

Ser. No. 554,560. GIBRALTAR FLOORS, INC., Detroit, Mich. Filed Apr. 14, 1948. Under section 2f of the act of 1946.

GIBRALTAR



FOR PREPARED MATERIALS TO WIT—A MATERIAL COMPRISING SAND, GRAVEL, AND CEMENT; A MATERIAL COMPRISING CEMENT, SAND, LIME, AND WATERPROOFING; A MATERIAL COMPRISING GRANITE, QUARTZ, AND CEMENT.
Claims use since April 1939.

Ser. No. 554,561. GIBRALTAR FLOORS, INC., Detroit, Mich. Filed Apr. 14, 1948.

LABROMIX

FOR PREPARED DRY MATERIAL COMPRISING GRANITE, QUARTZ, AND CEMENT READY TO BE MIXED WITH ADDED WATER AND APPLIED AS A WEARING COURSE FOR CONCRETE FLOORS.
Claims use since April 1939.

Ser. No. 555,931. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Apr. 30, 1948.

DIALITE

Applicant claims ownership of Registration No. 269,081.
FOR FIRE-BRICK.
Claims use since Feb. 14, 1928.

Ser. No. 555,943. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Apr. 30, 1948.

ANCHOR

Applicant claims ownership of Registration No. 269,082
FOR FIRE-BRICK.
Claims use since Jan. 2, 1928.

Ser. No. 556,433. THE GENERAL CRUSHED STONE CO., Easton, Pa. Filed May 7, 1948.

"STOCK-IT"

FOR BITUMINOUS CONCRETE MATERIAL FOR PATCHING ASPHALTIC AND CONCRETE ROADS.
Claims use since Apr. 16, 1948.

Ser. No. 565,643. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Sept. 22, 1948.

MEX-LOX

FOR JOINTING MATERIAL EMPLOYED IN LAYING FIREBRICK WHICH ARE EXPOSED TO MOLTEN METAL.
Claims use since May 11, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 528,659. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed July 15, 1947. Under section 2f of the act of 1946.

SMOOTH FLO

"Flo" is disclaimed apart from the mark as shown.
Applicant claims ownership of Registrations Nos. 387,800 and 390,905.
FOR HOSE NOZZLE CONTROL VALVE, FOR USE WITH MOTOR FUEL DISPENSING EQUIPMENT.
Claims use since Apr. 1, 1940.

Ser. No. 583,605. PARAGON SPRING COMPANY, Chicago, Ill. Filed Sept. 5, 1947.

PARAGON

FOR SPRINGS FOR ALL PURPOSE MECHANICAL USES SUCH AS COIL SPRINGS AND FLAT SPRINGS OF ALL TYPES AND SIZES, WIRE-SHAPES FOR USE ON ASSEMBLED ITEMS SUCH AS HOLDERS, LATCHES, GUARDS, SNAPS, AND THE LIKE, AND STAMPINGS SUCH AS SPACERS, BLADES, AND BRACKETS FOR SMALL ARTICLES OF MANUFACTURE SUCH AS STAMPED CASES AND CONTAINERS.
Claims use since Mar. 17, 1945.

Ser. No. 543,856. KROMEX CORPORATION, Cleveland, Ohio. Filed July 15, 1947. Under section 2f of the act of 1946.

KAKOVER

Applicant claims ownership of Registration No. 415,741.
FOR COVER AND PLATE FOR SERVING AND KEEPING CAKES FRESH, SOLD AS A UNIT, THE COVER BEING MADE OF BASE METAL.
Claims use since January 1940.

Ser. No. 549,330. ASSOCIATED SPRING CORPORATION, Bristol, Conn., Chicago, Ill., Corry, Pa., Hamilton, Ontario, Canada, and elsewhere. Filed Nov. 4, 1947.

"MANROSS"

Applicant claims ownership of Registrations Nos. 354,288 and 354,950.
FOR HAIR SPRINGS.
Claims use since Jan. 1, 1885.

Ser. No. 560,604. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo. Filed July 2, 1948. Under section 2f of the act of 1946.

COBURN

Applicant claims ownership of Registration No. 365,498.
FOR HARDWARE—NAMELY, DOOR HANGERS, SLIDING DOOR TRACKS, SLIDING DOOR HARDWARE, FOLDING PARTITION HARDWARE, AND FIRE DOOR HARDWARE.
Claims use since Nov. 1, 1923.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 549,688. YODER DIE CASTING, INC., Dayton, Ohio. Filed Feb. 13, 1948.



FOR ZINC AND ALUMINUM DIE CASTINGS.
Claims use since Oct. 15, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 535,535. JENNEY MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

JENNEY

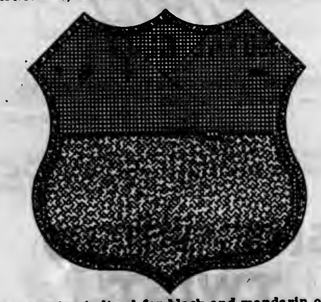
FOR PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES, EMULSIONS, HEATING AND FUEL OILS, GASOLINE, NAPHTHA AND SOLVENTS, AND PENETRATING OILS.
Claims use since 1865.

Ser. No. 535,876. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Sept. 26, 1947.

The Quakers of Conshohocken Pa. U.S.A.

Disclaimer is made of the words "Conshohocken, Pa., U. S. A." apart from the mark as shown. Applicant claims ownership of Registrations Nos. 411,736, 415,407, and 417,095.
FOR LUBRICATING OILS AND GREASES; CUTTING OILS FOR COOLING AND LUBRICATING CUTTING TOOLS ON METAL MACHINERY OPERATIONS; OILS FOR LUBRICATING NEEDLES AND SINKERS ON KNITTING MACHINES; RUST PREVENTATIVE OILS AND GREASES TO BE APPLIED ON METALS TO PREVENT THE FORMATION OF RUST AND CORROSION.
Claims use since May 1, 1928.

Ser. No. 542,164. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Nov. 24, 1947.



The drawing is lined for black and mandarin orange.
FOR GASOLINE, LUBRICATING MOTOR OILS, GREASE COMPOUNDS FOR LUBRICATING PURPOSES, KEROSENE, TRACTOR FUEL OIL, DRIPLESS PENETRATING OIL, AND TOP CYLINDER LUBRICATING OIL.
Claims use since Apr. 15, 1930.

Ser. No. 542,951. THE KANOTEX REFINING COMPANY, Arkansas City, Kans. Filed Dec. 2, 1947.

KANOTEX

The stippling shown in the drawing represents shading.
Applicant claims ownership of Registration No. 75,519.
FOR GASOLINE, NAPHTHA, KEROSENE, OIL TRACTOR FUEL, AND DISTILLATE BURNING FUEL.
Claims use since 1909.

Ser. No. 545,071. CHARLES ALLEN BECK, Pomona, Calif. Filed Dec. 22, 1947. Under section 2f of the act of 1946.

POMONA

FOR GASOLINE.
Claims use since Dec. 1, 1939.

Ser. No. 556,300. JOHN WARREN WATSON COMPANY, Philadelphia, Pa. Filed May 5, 1948.

SILENITE

FOR DRY COMPOUNDS EXHIBITING CHARACTERISTICS WHEREOF THE STATIC AND DYNAMIC COEFFICIENTS OF FRICTION ARE IN BALANCE TO THE EXTENT OF ELIMINATING SPASMODIC ACTIONS, VIBRATIONS, AND NOISES WHEN EMPLOYED BETWEEN FRICTIONALLY OPPOSED MEMBERS.
Claims use since Mar. 5, 1934.

Ser. No. 558,977. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed June 7, 1948.

UNIQUE

The drawing is lined for the color black. Applicant claims ownership of Registration No. 213,685.
FOR GASOLINE AND LUBRICATING OIL.
Claims use since Jan. 1, 1932, on gasoline; and since March 1932, on lubricating oil.

Ser. No. 560,105. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 24, 1948.

HAMIKUT

FOR REDDISH AMBER LIQUID OF OLEAGINOUS NATURE USED FOR LUBRICATION AND CONVECTING HEAT IN THE OPERATION OF METAL CUTTING, DRILLING.
Claims use since Oct. 26, 1936.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,433. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. Under section 2f of the act of 1946.



The words "Winston Salem, N. C." are disclaimed.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 525,451. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. Under section 2f of the act of 1946.



The drawing is lined to indicate the color red.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 533,244. JOSE ESCALANTE & CO., Chicago, Ill. Filed Aug. 30, 1947.



No claim is made to the words "Blasco" and "Habana De Luxe" apart from the mark as shown. The portrait forming part of the mark is merely fanciful. Applicant claims ownership of Registration No. 280,916.
FOR CIGARS.
Claims use since 1933.

Ser. No. 553,755. R. R. TOBIN TOBACCO CO., Detroit, Mich. Filed Apr. 2, 1948.

LACE CURTAIN

FOR PIPE TOBACCO.
Claims use since Mar. 15, 1947.

Ser. No. 553,988. ST. JAMES'S TOBACCO COMPANY LIMITED, London, England. Filed Apr. 6, 1948.

ROYAL CLUB

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Jan. 13, 1947.

Ser. No. 554,589. B. C. OWEN COMPANY, Gallatin, Tenn. Filed Apr. 14, 1948. Under section 2f of the act of 1946.

SHEPHERD TWIST

The word "Twist" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 213,295.
FOR CHEWING TOBACCO.
Claims use since January 1903.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 531,426. BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Aug. 15, 1947. Under section 2f of the act of 1946.



The word "Company" is disclaimed apart from the mark as shown.
FOR ELECTRICALLY OPERATED MOTORIZED VALVES, COMBINATION ELECTRICALLY OPERATED MOTORIZED VALVES AND ELECTRICAL TEMPERATURE CONTROLS THEREFOR, AND RELAYS WITH BUILT-IN TRANSFORMERS.
Claims use on electrically operated motorized valves since July 1, 1930; on combination electrically operated motorized valves and electrical temperature controls therefor since June 10, 1940; and on relays with built-in transformers since Mar. 2, 1936.

Ser. No. 535,785. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn. Filed Sept. 26, 1947. Under section 2f of the act of 1946.



FOR ELECTRIC CIRCUIT MAKERS AND BREAKERS, SWITCHES, AND PARTS AND COMBINATIONS THEREOF.
Claims use since February 1940.

Ser. No. 546,137. THE W-L MOLDING COMPANY, Kalamazoo, Mich. Filed Jan. 3, 1948.



The drawing is lined for shading purposes only.
FOR ELECTRIC SWITCH PLATES AND ELECTRIC WALL OUTLET PLATES.
Claims use since Dec. 15, 1947.

Ser. No. 547,687. ARROW ARMATURES COMPANY, doing business as Generator & Armatures Co., Boston, Mass. Filed Jan. 22, 1948.

GENDARM

FOR ARMATURES, GENERATORS, ELECTRIC STARTERS, AND FIELD COILS FOR MOTOR VEHICLES.
Claims use since April 1934.

Ser. No. 549,267. NUTONE, INC., Chicago, Ill. Feb. 10, 1948.

Signa-Larm

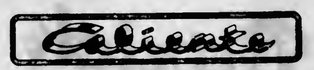
FOR CHIME SIGNAL DEVICES FOR USE IN A PAGE CALL SYSTEM.
Claims use since Dec. 10, 1947.

Ser. No. 549,644. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind. Filed Feb. 13, 1948. Under section 2f of the act of 1946.

McGILL

FOR ELECTRIC SWITCH MECHANISMS INCLUDING ELECTRIC SWITCHES AND ELECTRIC SOCKET SWITCHES, AND PORTABLE ELECTRIC LAMP MECHANISMS—NAMELY, PORTABLE LAMPS, AND PORTABLE LAMP GUARDS.
Claims use since 1904.

Ser. No. 552,563. R. E. ANDERSON, Aurora, Ill. Filed Mar. 20, 1948.



The drawing is lined for red and shading.
FOR SPACE HEATERS, ELECTRIC.
Claims use since Nov. 22, 1947.

Ser. No. 554,000. AMPEX ELECTRIC CORPORATION, San Carlos, Calif. Filed Apr. 7, 1948.



FOR ELECTRIC GENERATORS EMPLOYED IN AIRBORNE EQUIPMENT AND ELECTRIC MOTORS EMPLOYED IN AIRBORNE RADAR EQUIPMENT, AND ELECTRIC MOTORS OF GENERAL UTILITY.
Claims use since Dec. 30, 1944, on electric generators; and since Aug. 13, 1945, on electric motors.

Ser. No. 555,545. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis. Filed Apr. 24, 1948.

EQUATO-RING

The word "Ring" is disclaimed apart from the mark as shown.

FOR ELECTRICAL WATER TANK HEATING APPARATUS.

Claims use since Mar. 15, 1948.

Ser. No. 557,598. EASTERN METAL PRODUCTS CO., Tuckahoe, N. Y. Filed May 22, 1948.

Swift-Iron

FOR ELECTRIC IRONS.

Claims use since Apr. 1, 1948.

Ser. No. 559,257. LAWRENCE M. STEIN COMPANY, Chicago, Ill. Filed June 15, 1948.

Patrick

FOR ELECTRICALLY OPERATED CLOTHES PRESSING IRONS.

Claims use since Oct. 1, 1918.

Ser. No. 560,382. CASCO PRODUCTS CORPORATION, Bridgeport, Conn. Filed June 29, 1948.

Electromatic

Applicant claims ownership of Registration No. 394,311.

FOR HAND HELD ELECTRIC MOTOR DRIVEN TOOL HOLDERS FOR DRILLING, POLISHING, ETC.

Claims use since May 28, 1948.

Ser. No. 560,850. WEBSTER-CHICAGO CORPORATION, Chicago, Ill. Filed July 7, 1948.

WC

FOR ELECTRICAL APPARATUS—VIZ., RECORD CHANGERS AND WIRE SOUND RECORDERS.

Claims use since May 3, 1948.

Ser. No. 561,073. BUCHANAN ELECTRICAL PRODUCTS CORPORATION, Elizabeth, N. J. Filed July 10, 1948.

Bushend

FOR ELECTRICAL PRODUCTS—NAMELY, CONDUIT BUSHINGS.

Claims use since Dec. 18, 1947.

Ser. No. 562,303. AUTO LAMP MANUFACTURING CO., Chicago, Ill. Filed July 28, 1948.

PATHFINDER

Applicant claims ownership of Registrations Nos. 361,496 and 370,059.

FOR ELECTRIC LAMPS FOR VEHICLES, ELECTRIC DIRECTION SIGNALS FOR VEHICLES AND SWITCHES FOR SUCH SIGNALS.

Claims use since Apr. 18, 1938, on electric lamps for vehicles; and since Sept. 1, 1938, on electric direction signals for vehicles and switches for such signals.

Ser. No. 563,897. BRITTAINS LIMITED, Staffordshire, England. Filed Aug. 24, 1948.

BRITTCO

Applicant claims ownership of British Registration No. 481,879, dated June 24, 1927.

FOR METAL-COATED PAPER USED PARTICULARLY IN THE CONSTRUCTION OF ELECTRICAL CONDENSERS.

Ser. No. 564,321. DURAKOOL, INC., Elkhart, Ind. Filed Aug. 28, 1948.

DURAKOOL

Applicant claims ownership of Registration No. 335,831.

FOR ELECTRICAL RELAYS AND SWITCHES.

Claims use since Apr. 19, 1935.

Ser. No. 564,374. CLEMENTS MFG. CO., Chicago, Ill. Filed Aug. 30, 1948. Under section 2f of the act of 1946.

CLEMENTS

Applicant claims ownership of Registration No. 240,189.

FOR ELECTRIC VACUUM CLEANERS AND PORTABLE ELECTRIC BLOWERS.

Claims use since February 1928.

Ser. No. 564,375. CLEMENTS MFG. CO., Chicago, Ill. Filed Aug. 30, 1948. Under section 2f of the act of 1946.

Perfect Seal

Applicant claims ownership of Registration No. 241,889.

FOR ELECTRIC VACUUM CLEANERS AND BAGS THEREFOR.

Claims use since April 1926.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 519,137. ROBERT J. ROBERTS, doing business as Bob Roberts, Gary, Ind. Original filed, act of 1905, Mar. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 5, 1947. Under section 2f of the act of 1946.

PITE PITCH

No claim is made to the word "Pitch" nor to the representation of a propeller apart from the mark shown.

FOR PROPELLERS FOR TOY POWER DRIVEN AIRPLANES.

Claims use since July 1938.

Ser. No. 526,577. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed July 5, 1947. Under section 2f of the act of 1946.

ORIGINAL CUTTYHUNK

No claim is made to the word "Cuttyhunk" apart from the mark. Applicant claims ownership of Registration No. 155,307.

FOR FISHING LINE.

Claims use since 1850 as to the word "Cuttyhunk"; and since 1904 as shown.

Ser. No. 530,673. PARKER BROTHERS, INC., Salem, Mass. Filed Aug. 6, 1947.

FINANCE

FOR BOARD GAME PLAYED WITH MOVABLE PIECES.

Claims use since Jan. 11, 1935.

Ser. No. 532,977. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 7, 1947.

TRI-BIKE

Applicant disclaims the exclusive right to the use of the word "Bike" except as the same is used in association with the other features of the mark.

FOR WHEELED VEHICLES—NAMELY, CHILDREN'S VELOCIPEDES.

Claims use since 1940.

Ser. No. 538,109. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

Dunlop

FOR GOLF BALLS AND TENNIS BALLS.

Claims use since April 1907.

Ser. No. 539,571. SOUTH BEND BAIT COMPANY, South Bend, Ind. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

SOUTH BEND

Applicant claims ownership of Registration No. 277,557.

FOR FISHING RODS, FISHING REELS, FISHING LINES, AND ARTIFICIAL FISH BAITS AND LURES.

Claims use since Mar. 29, 1905.

Ser. No. 540,095. NEW PROCESS COMPANY, Warren, Pa. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

LONG WEAR

Applicant claims ownership of Registration No. 364,162.
FOR SPORTING GOODS—NAMELY, GOLF BALLS.
Claims use since July 12, 1933.

Ser. No. 541,223. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

TWIN-DEX

Applicant claims ownership of Registration No. 213,486.
FOR PLAYING CARDS.
Claims use since Feb. 28, 1925.

Ser. No. 543,294. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 4, 1947.

CUB CYCLE

Applicant disclaims the exclusive right to the use of the word "Cycle" apart from the mark as shown.
FOR SIDEWALK BICYCLES, VELOCIPEDES, AND PARTS THEREFOR.
Claims use since 1940.

Ser. No. 547,135. M. & S. DOLL CO., New York, N. Y. Filed Jan. 15, 1948.

Baby Land

No claim is made to the word "Baby" apart from the mark shown.
FOR DOLLS.
Claims use since Oct. 15, 1947.

Ser. No. 549,101. ART WILLIAMS, Des Moines, Iowa. Filed Feb. 7, 1948.

TACKLE-SMASHER

The word "Tackle" is disclaimed apart from the association shown.
FOR ARTIFICIAL FISH BAIT.
Claims use since Aug. 4, 1947.

Ser. No. 549,327. PARKER BROTHERS, INC., Salem, Mass. Filed Nov. 3, 1947.

AIR MAIL

Applicant claims ownership of Registration No. 239,605.
FOR COMPETITIVE CARD GAME DEALING WITH DISTRIBUTION OF MAIL BY AIR ALONG CERTAIN PRESCRIBED ROUTES.
Claims use since Oct. 1, 1927.

Ser. No. 549,328. PARKER BROTHERS, INC., Salem, Mass. Filed Nov. 3, 1947.

CROWS IN THE CORN

Applicant claims ownership of Registration No. 240,383.
FOR BOARD GAME.
Claims use since Feb. 1, 1924.

Ser. No. 550,317. MARIUS ERIKSEN, Oslo, Norway. Filed Feb. 21, 1948.



Applicant disclaims the representation of the goods apart from the mark as shown. Applicant claims ownership of Norwegian Registration No. 25,649, dated July 23, 1937.
FOR SKIS, SKI POLES, SKI BINDINGS, AND METAL EDGES.

Ser. No. 550,320. IRA GOLD, Chicago, Ill., assignor to Atlas Toy Company, Chicago, Ill., a corporation of Illinois. Filed Feb. 21, 1948.

PLAYOLA

FOR TOY MINIATURE HAND OPERATED PHONOGRAPHS.
Claims use since Nov. 22, 1947.

Ser. No. 550,484. CARNELL MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Feb. 25, 1948.



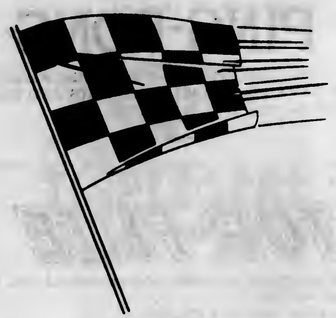
The words "Cowboy Outfit" and the surrounding lariat are disclaimed. The drawing is lined for red.
FOR TOY HOLSTERS AND BELTS FOR USE WITH SUCH HOLSTERS.
Claims use since Feb. 5, 1945.

Ser. No. 550,808. THOMAS HEMMING & SON LIMITED, Redditch, England. Filed Feb. 28, 1948.



Applicant claims ownership of British Registration No. 6,354, dated June 2, 1876.
FOR FISH HOOKS.

Ser. No. 550,902. DURO-MATIC PRODUCTS COMPANY, Hollywood, Calif. Filed Mar. 1, 1948.



FOR TOY RACING CARS AND TOY INTERNAL COMBUSTION ENGINES FOR SUCH RACING CARS.
Claims use since Sept. 1, 1945.

Ser. No. 553,211. NOMA ELECTRIC CORPORATION, doing business as Fleischaker and Baum Division of Noma Electric Corporation, New York, N. Y. Filed Mar. 27, 1948. Under section 2f of the act of 1946.

Dy-Dee

FOR DOLLS AND LAYETTES FOR DOLLS.
Claims use since Oct. 15, 1932.

Ser. No. 553,650. STRATTON & TERSTEGGE COMPANY, Louisville, Ky. Filed Apr. 1, 1948.

My Buddy

FOR TACKLE BOXES.
Claims use since August 1934.

Ser. No. 554,410. PRODUCTION ENTERPRISES, INC., Brooklyn and New York, N. Y. Filed Apr. 12, 1948.

ALL-DAY-PLAY

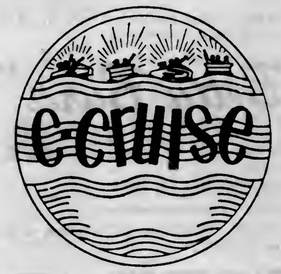
The word "Play" is disclaimed.
FOR PLAY DESK WITH TOYS FOR THE USE BY CHILDREN.
Claims use since Aug. 1, 1947.

Ser. No. 554,631. TRYSTAN GAME COMPANY, Reno, Nev. Filed Apr. 14, 1948.

TRYSTAN

FOR CARD GAME WITH A SCORE BOARD.
Claims use since Dec. 19, 1947.

Ser. No. 555,989. C-CRUISE CORPORATION, West Salem, Oreg. Filed May 1, 1948.



The representation of the goods is disclaimed apart from the mark.
FOR CARNIVAL AMUSEMENT RIDING DEVICE—NAMELY, A ROUNDABOUT HAVING PASSENGER CARS.
Claims use since May 1947.

Ser. No. 556,873. GEORGE A. CUMMINS, doing business as Fishocrat Creations, San Francisco, Calif. Filed May 12, 1948.



The representation of a fish and fishing equipment—namely, lures, pole, and line are disclaimed.
FOR FISHING EQUIPMENT—NAMELY, FISHING RODS, REELS, LINES, HOOKS, ARTIFICIAL LURES.
Claims use since Aug. 13, 1945.

Ser. No. 557,458. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio. Filed May 20, 1948. Under section 2f of the act of 1946.

MOORE'S

FOR CHILDREN'S TRICYCLES, SCOOTERS, PEDAL CARS, TOY WAGONS, AND TOY CARTS.
Claims use since May 1, 1941.

Ser. No. 557,849. IDEAL NOVELTY & TOY CO., Hollis, N. Y. Filed May 26, 1948.

TIPPO

FOR DOLLS.
Claims use since May 18, 1948.

Ser. No. 558,392. IDEAL NOVELTY & TOY CO., Hollis, N. Y. Filed June 3, 1948.

"Betty Burp"

The word "Burp" is disclaimed.
FOR DOLLS.
Claims use since May 12, 1948.

Ser. No. 559,195. WILLIAM L. WALKER, Athens, Ga. Filed June 14, 1948.

FISTFLIP

FOR CATAPULTS POPULARLY KNOWN AS SLING SHOTS.
Claims use since May 14, 1948.

Ser. No. 560,057. ROBERT PAUL SCHIFFMANN, doing business as Guarantee Manufacturing Co., Chicago, Ill. Filed June 23, 1948.

SMOOTHIE

FOR ARTIFICIAL FISH LURES.
Claims use since June 9, 1948.

Ser. No. 561,067. AMERICAN CHARACTER DOLL CO., New York, N. Y. Filed July 10, 1948.

Potty Baby

No claim is made to the exclusive use of the word "Baby" apart from the mark as shown.
FOR DOLLS.
Claims use since June 25, 1948.

Ser. No. 563,679. HUGHES-CONSOLIDATED, INC., Newark, N. J. Filed Aug. 18, 1948.

Pipe Organ

FOR GOLF BAGS.
Claims use since July 1946.

Ser. No. 564,016. PARKER BROTHERS, INC., Salem, Mass. Filed Apr. 15, 1948.

PING-PONG

Applicant claims ownership of Registration No. 245,200.
FOR GAME PLAYED WITH RACKETS AND BALLS.
Claims use since Aug. 1, 1900.

Ser. No. 580,153. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed June 8, 1949.

TOP-FLITE

Applicant claims ownership of Registrations Nos. 390,505 and 505,779.
FOR SKIS AND SKI POLES.
Claims use since Mar. 1, 1949.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 492,057. R. R. HOWELL CO., Minneapolis, Minn. Original filed, act of 1905, Nov. 23, 1945; amended to application under act of 1946, Principal Register, Aug. 21, 1947.

VERTI-LIFT

FOR GRAIN DISTRIBUTORS OPERATIVE TO SHIFT THE FLOW OF GRAIN FROM ONE BIN TO ANOTHER WITHIN A GRAIN ELEVATOR.
Claims use since January 1939.

Ser. No. 514,212. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis. Original filed, act of 1905, Dec. 13, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948.

MEYER-DUMORE

FOR BOTTLE WASHING MACHINES, BOTTLE FILLING MACHINES, AND PASTEURIZERS.
Claims use since Jan. 1, 1919.

Ser. No. 530,068. DAVEY COMPRESSOR COMPANY, Kent, Ohio. Filed July 31, 1947. Under section 2f of the act of 1946.

DAVEY

Applicant claims ownership of Registration No. 422,896.
FOR PORTABLE AIR COMPRESSORS, STATIONARY AIR COMPRESSORS, TRUCK POWER TAKE-OFFS FOR TAKING POWER FROM A TRUCK ENGINE FOR ANY PURPOSE, MOBILE MACHINE SHOPS COMPRISING A TRUCK CONTAINING SUITABLE MACHINERY, SUCH AS A LATHE, DRILL PRESS, MILLING MACHINE, POWER SAW, TOOL GRINDING MACHINE, AND MACHINE TOOLS FOR REPAIRING PURPOSES, ALL OF THE ABOVE SOLD AS A UNIT, AND TIMBER SAWS.
Claims use since Aug. 1, 1929.

Ser. No. 531,858. STANDARD ELECTRIC MANUFACTURING COMPANY, West Berlin, N. J. Filed Aug. 19, 1947.



The drawing is lined to indicate the colors yellow and red. No claim is made to the words "Triple-Seal" apart from the mark as shown.
FOR CENTRIFUGAL PUMPS, WATER CIRCULATORS FOR USE IN HOT WATER HEATING SYSTEMS AND WATER PUMPS.
Claims use since Mar. 6, 1947.

Ser. No. 532,550. H. BOKER & CO., INC., New York, N. Y. Filed Aug. 27, 1947.

VALLEY FORGE

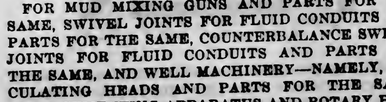
Applicant claims ownership of Registration No. 336,814.
FOR CERTAIN CUTLERY AND TOOLS—NAMELY, SCISSORS, SHEARS, KITCHEN SHEARS, POCKET KNIVES, BUTCHER KNIVES, SLICERS, PARING KNIVES, UTILITY KNIVES, HUNTING KNIVES, CARVING SETS, TABLE KNIVES AND FORKS, TEA AND TABLE SPOONS, PRUNING SHEARS, MULE SHEARS, SHEEP SHEARS, POULTRY SHEARS, RAZORS, RAZOR BLADES, HAIR CLIPPERS, PLIERS, TINNERS' SNIPS, ONION SHEARS, ROACHING SHEARS, LOPPING SHEARS, GRASS SNIPS, HEDGE SHEARS, GRASS SHEARS, GRASS HOOKS, AND SCYTHES.
Claims use since June 1, 1916.

Ser. No. 535,710. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Sept. 25, 1947.

RANGER

FOR SPROCKET DRIVE CHAINS FOR POWER TRANSMISSION.
Claims use since Sept. 7, 1938.

Ser. No. 536,137. ROCKET IMPLEMENT CO., INC., Clearwater, Calif. Filed Sept. 29, 1947.



The representation of a star within the rocket is lined to indicate blue. The linings used in the drawing are the conventional linings for the color violet or purple and red or pink.
FOR OFFSET DISC HARROWS.
Claims use since July 17, 1946.

Ser. No. 539,089. SHEFFIELD STEEL CORPORATION, Kansas City, Mo. Filed Oct. 25, 1947.

MOLY-COP

The representation of the goods is disclaimed except as used in conjunction with the trade-mark. Applicant claims ownership of Registration No. 396,791.
FOR STEEL ALLOY GRINDING BALLS.
Claims use since Oct. 2, 1941.

Ser. No. 540,034. CHIKSAN COMPANY, Brea, Calif. Filed Nov. 4, 1947.



Applicant claims ownership of Registration No. 383,725.
FOR MUD MIXING GUNS AND PARTS FOR THE SAME, SWIVEL JOINTS FOR FLUID CONDUITS AND PARTS FOR THE SAME, COUNTERBALANCE SWIVEL JOINTS FOR FLUID CONDUITS AND PARTS FOR THE SAME, AND WELL MACHINERY—NAMELY, CIRCULATING HEADS AND PARTS FOR THE SAME, WELL CEMENTING APPARATUS AND ROTARY HOSE ADAPTERS.
Claims use since January 1944.

Ser. No. 541,510. CARTER MACHINE & TOOL CO., Rockford, Ill. Filed Nov. 18, 1947.

"kitchen imp"

The word "Kitchen" is disclaimed apart from the mark as shown.
FOR KITCHEN UTILITY FORKS.
Claims use since January 1941.

Ser. No. 548,190. SHERMAN PRODUCTS, INC., Royal Oak, Mich. Filed Jan. 28, 1948.

SHERMAN

The word "Sherman" is disclaimed apart from the mark as shown.
FOR AUXILIARY TRANSMISSIONS FOR TRACTORS.
Claims use since Dec. 5, 1947.

Ser. No. 553,204. MEAD SPECIALTIES COMPANY, INC., Chicago, Ill. Filed Mar. 27, 1948.

"One-man Factory"

FOR COMPRESSED AIR-OPERATED HAMMERS, PRESSES, PUNCHES, DRILLS, AND AUTOMATICALLY-OPERABLE AND MANUALLY-OPERABLE VALVES THEREFOR.
Claims use since June 26, 1947.

Ser. No. 553,969. MOAK MACHINE & TOOL COMPANY, Port Huron, Mich. Filed Apr. 6, 1948. Under section 2f of the act of 1946.

MOAK

FOR WOODWORKING MACHINERY, AND WORK CHECKING AND HOLDING FIXTURES—NAMELY, ANGLE PLATES, SURFACE PLATES, AND BOX PARALLELS.
Claims use since June 7, 1938.

Ser. No. 554,675. POUL VIGGO JENSEN, Copenhagen, Denmark. Filed Apr. 15, 1948.

BRIDGE

Applicant claims ownership of Danish Registration No. 62—1948, dated Jan. 17, 1948.
FOR SAFETY RAZORS AND SAFETY RAZOR BLADES.

Ser. No. 555,410. HINSDALE MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 23, 1948.

BOB CAT

Applicant claims ownership of Registration No. 275,957.
FOR TOOLS—NAMELY, HAMMERS, HATCHETS, WRENCHES, WRENCH SETS, SOCKET WRENCHES, WRENCH SOCKETS, AND END WRENCHES.
Claims use since Apr. 4, 1930.

Ser. No. 556,817. THE RENOLD AND COVENTRY CHAIN COMPANY, LIMITED, Manchester, England. Filed May 11, 1948. Under section 2f of the act of 1946.

THE COVENTRY

FOR POWER TRANSMISSION CHAINS FOR CYCLES AND MOTOR VEHICLES.
Claims use since 1896.

Ser. No. 556,957. THE GEOMETRIC TOOL COMPANY, New Haven, Conn. Filed May 13, 1948.

GEO MET RIC

No claim is made to the die-head apart from the word "Geometric." Applicant claims ownership of Registration No. 109,724.
FOR TAPS, DIES, DIE-HEADS, TOOL HOLDERS, AND THREADING TOOLS.
Claims use since May 1, 1912.

Ser. No. 557,032. THE FACT CORPORATION, Meadville, Pa. Filed May 14, 1948.

FACT

FOR ORCHARD HOES.
Claims use since Apr. 14, 1947.

Ser. No. 558,248. THE E. T. RUGG COMPANY, Newark, Ohio. Filed June 1, 1948.

HI-LO-MATIC

FOR LAWN MOWERS.
Claims use since Nov. 27, 1946.

Ser. No. 560,659. REPUBLIC GEAR COMPANY, Detroit, Mich. Filed July 2, 1948.

REPUBLIC

Applicant claims ownership of Registration No. 283,522.
FOR DIFFERENTIAL MECHANISMS AND PARTS THEREOF, GEARS AND PINIONS, TRANSMISSION GEARS AND SHAFTS, FLYWHEEL STARTER GEARS, CYLINDER HEADS AND HOUSINGS, AXLE SHAFTS AND DRIVE SHAFTS, AND TIMING GEARS.
Claims use on differential mechanisms and parts thereof since about 1923; on gears and pinions, transmission gears, and shafts since about 1927; on flywheel starter gears and cylinder heads and housings since about 1929; on axle shafts and drive shafts since about 1932; and on timing gears since about 1948.

Ser. No. 563,998. THE HENDEY MACHINE COMPANY, Torrington, Conn. Filed Apr. 9, 1948. Under section 2f of the act of 1946.

HENDEY

Applicant claims ownership of Registrations Nos. 239,987 and 252,843.
FOR LATHES, SHAPERS, MILLING MACHINES, AND CENTERING MACHINES.
Claims use since 1914.

CLASS 25

LOCKS AND SAFES

Ser. No. 513,382. BEST UNIVERSAL LOCK CO., Seattle, Wash. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949. Under section 2f of the act of 1946.

BEST

Applicant claims ownership of Registration No. 207,165.
FOR LOCKS, KEYS, AND PARTS OF LOCKS.
Claims use since Oct. 1, 1923.

Ser. No. 513,383. BEST UNIVERSAL LOCK CO., Seattle, Wash. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949. Under section 2f of the act of 1946.

BEST

The representation of the lock core is disclaimed apart from the mark. Applicant claims ownership of Registration No. 207,165.
FOR LOCKS, KEYS, AND PARTS OF LOCKS.
Claims use since Jan. 1, 1925.

Ser. No. 513,384. BEST UNIVERSAL LOCK CO., Seattle, Wash. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Supplemental Register, Nov. 17, 1947; amended to Principal Register, July 26, 1949. Under section 2f of the act of 1946.

BEST

Applicant claims ownership of Registration No. 207,165.
FOR LOCKS, KEYS, AND PARTS OF LOCKS.
Claims use since Oct. 1, 1923.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 520,930. BUSCH PRECISION CAMERA CORPORATION, Chicago, Ill. Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, Sept. 1, 1948. Under section 2f of the act of 1946.

BUSCH

FOR CAMERAS, PROJECTORS, ENLARGERS, LENSES, RANGE FINDERS, VIEW FINDERS, PHOTOGRAPHIC MASKS, FILM HOLDERS, FILM PACK ADAPTERS, AND PARTS THEREOF.
Claims use since Nov. 15, 1941.

Ser. No. 527,452. WHITEHOUSE PRODUCTS, INC., Brooklyn, N. Y. Filed July 5, 1947.

Beacon

Applicant claims ownership of Registration No. 435,889.
FOR CAMERAS, FLASH ATTACHMENTS, AND CAMERA CASES.
Claims use since Aug. 27, 1946.

Ser. No. 549,914. THE EXACT WEIGHT SCALE COMPANY, Columbus, Ohio. Filed Feb. 17, 1948.

ELECTROGRAPH

FOR WEIGHING SCALES, INDICATORS FOR WEIGHING SCALES, WEIGHT CHECKING APPARATUS, AND WEIGHT-GOVERNED CLASSIFYING MACHINES.
Claims use since Dec. 7, 1943.

Ser. No. 550,525. LANDIS & GYR A. G., Zug, Switzerland. Filed Feb. 25, 1948.

VARMAX

Applicant claims priority under section 44(d). Applicant claims ownership of Swiss Registration No. 122,312, dated Nov. 5, 1947.
FOR ELECTRICITY MEASURING INSTRUMENTS FOR REGISTERING OR RECORDING ELECTRICAL CONDITIONS, QUANTITIES, AND FORCES—NAMELY, AMMETERS, WATTHOUR-METERS, VOLT-AMPERE-METERS, REACTIVE KILOVOLT-AMPERE METERS, MAXIMUM DEMAND METERS, DEMAND METERS, AND MULTIPLE RATE METERS.

Ser. No. 550,846. THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Filed Feb. 28, 1948.

VISIGUIDE

Applicant claims ownership of Registration No. 870,479.
FOR DIALS AND COOPERATING CHARTS WHICH ARE INCORPORATED IN COOKING RANGES AND BY WHICH THE COOKING TIME AND TEMPERATURE FOR DIFFERENT FOODS MAY BE ASCERTAINED.
Claims use since December 1938.

Ser. No. 552,562. AMERICAN MACHINE AND METALS, INC., Sellersville, Pa. Filed Mar. 20, 1948.

FROSTLINE

FOR PRESSURE GAUGES, VACUUM GAUGES, TEMPERATURE GAUGES, AND RECORDERS MAKING A GRAPHIC RECORD OF TEMPERATURE OR PRESSURE CHANGES OVER A GIVEN PERIOD CLASSED AS INDICATING AND RECORDING INSTRUMENTS.
Claims use since Jan. 28, 1948.

Ser. No. 555,987. BRANSON INSTRUMENTS, INC., Danbury, Conn. Filed May 1, 1948.

AUDIGAGE

FOR ELECTRONIC THICKNESS MEASURING APPARATUS.
Claims use since Oct. 15, 1946.

Ser. No. 556,126. RADIO FREQUENCY LABORATORIES, INC., Boonton, N. J. Filed May 3, 1948.

RFL

Applicant claims ownership of Registration No. 169,478.
FOR MEASURING AND TESTING APPARATUS—NAMELY, ELECTRICAL INSULATION TESTERS, MAGNET CHARGERS, PHOTOELECTRIC DETECTORS AND INTEGRATORS OF RADIANT ENERGY, ELECTRONIC METAL DETECTORS, ELECTROMAGNETIC GEOPHYSICAL EXPLORATION APPARATUS, ORE TESTERS, POTENTIOMETER CALIBRATION STANDS, MECHANICAL SHOCK TESTERS, AND TEMPERATURE SENSITIVE SWITCHES.
Claims use since January 1945.

Ser. No. 559,002. BUCK X-OGRAPH COMPANY, St. Louis, Mo. Filed June 11, 1948.

BUCKITE

Applicant claims ownership of Registration No. 349,273.
FOR PHOTOGRAPHIC SOLUTION TANKS, X-RAY DEVELOPING TANKS, COMPARTMENT DEVELOPING TANKS, AND DEVELOPING SINKS.
Claims use since Jan. 1, 1939.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 541,766. O-CEDAR CORP'N, Chicago, Ill. Filed July 24, 1947.

O-Cedar

Applicant claims ownership of Registration No. 87,163.
FOR DUST MOPS.
Claims use since June 1, 1907.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 504,362. GEORG JENSEN INC., New York, N. Y. Original filed, act of 1905, June 21, 1946; amended to application under act of 1946, Principal Register, Dec. 24, 1947.



Applicant claims ownership of Registration No. 384,540.
FOR GOODS MADE WHOLLY OR IN PART OF CROCKERY OR PORCELAIN—NAMELY, PLATES, PLATTERS, CUPS, SAUCERS, COFFEE POTS, TEA POTS, CREAMERS, SUGAR BASINS, WATER PITCHERS, MILK JUGS, SAUCE BOATS, MUSTARD POTS, MARMALADE AND JELLY JARS, EGG CUPS, SALAD BOWLS, COOKIE JARS, SOUP BOWLS, TUREENS, CASSEROLES, AND CHAFING DISHES.
Claims use since 1932.

Ser. No. 510,727. THE ROCKWELL SILVER COMPANY, Meriden, Conn. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, May 20, 1948. Under section 2f of the act of 1946.



The drawing is hatched for shading.
FOR CHINA PLATES AND CHINA BOWLS.
Claims use since Aug. 10, 1914.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 559,350. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 16, 1948.

SPACEMASTER

FOR ELECTRIC DOMESTIC REFRIGERATOR.
Claims use since Nov. 9, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 541,159. HENRY MODELL & CO., INC., New York, N. Y. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

Modell's

FOR CANVAS ARMY COTS, STEEL FOLDING COTS, LAWN FURNITURE, BEACH CHAIRS, GLIDERS, CANVAS STOOLS, CAMP STOOLS.
Claims use since 1916.

Ser. No. 541,237. THE WATERBURY MATTRESS CO., Waterbury, Conn. Filed Nov. 14, 1947.

Redi-Bed

Exclusive use of the word "Bed" is not claimed apart from the rest of the mark.
FOR BOX SPRINGS, MATTRESSES, AND DIVANS.
Claims use since Aug. 26, 1947.

Ser. No. 556,486. ROCHELLE FURNITURE MFG. CO., Rochelle, Ill. Filed May 7, 1948.

Baby Time

No claim is made to the exclusive use of the word "Baby" apart from the mark as shown.
FOR BABY BEDS, HIGH CHAIRS, AND NURSERY TRAINING CHAIRS.
Claims use since Nov. 15, 1941.

CLASS 33

GLASSWARE

Ser. No. 510,728. THE ROCKWELL SILVER COMPANY, Meriden, Conn. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal register, May 20, 1948. Under section 2f of the act of 1946.



The drawing is hatched for shading.
FOR GLASS PLATES AND GLASS BOWLS.
Claims use since Aug. 10, 1914.

Ser. No. 542,851. HARRY I. KLEINBERG, doing business under the assumed name of Hickey Sales Company, Pittsburgh, Pa. Filed Dec. 1, 1947.

VICTORIA

FOR GLASS TABLEWARE—NAMELY, TRAYS, FRUIT DISHES, AND DRINKING GLASSES.
Claims use since May 27, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 531,344. MARQUETTE MANUFACTURING CO. INC., Minneapolis, Minn. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

MARQUETTE

Applicant claims ownership of Registrations Nos. 169,353 (renewed) and 236,633.
FOR OXY-ACETYLENE WELDING AND CUTTING EQUIPMENT—NAMELY, ACETYLENE GENERATORS, GAS WELDING TORCHES, PRESSURE REGULATING VALVES FOR OXYGEN AND ACETYLENE AND TORCH LIGHTERS.
Claims use since February 1936.

Ser. No. 532,837. LONERGAN MANUFACTURING COMPANY, Albion, Mich. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

VENTU-ROTOR

FOR SPACE HEATERS.
Claims use since September 1939.

Ser. No. 536,478. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Sept. 3, 1947.

Linde

FOR MACHINES FOR THE FLAME WORKING OF METALS—NAMELY, METAL WELDING MACHINES, METAL CUTTING MACHINES, MACHINES FOR SQUARING AND EDGING METAL PLATES AND METAL SURFACE REMOVERS.
Claims use since 1929.

Ser. No. 543,606. HOLLAND-COLOMBO TRADING SOCIETY, INC., Dover, Del., and New York, N. Y. Filed Dec. 6, 1947.

HOLCO

FOR OIL BURNERS.
Claims use since July 16, 1947.

Ser. No. 546,503. LUXRA COMPANY, Atchison, Kans. Filed Jan. 8, 1948.

LUXRA

FOR AUTOMATIC INSTANTANEOUS GAS FIRED WATER HEATERS.
Claims use since July 20, 1947.

Ser. No. 546,655. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Dalton

FOR STOVES AND RANGES.
Claims use since Jan. 15, 1938.

Ser. No. 551,657. RED JACKET COAL SALES COMPANY, Columbus, Ohio. Filed Mar. 10, 1948.



No claim is made to the words "Coal Heat is Best" apart from the mark as shown. The lining denotes the color red.
Applicant claims ownership of Registration No. 439,304.
FOR COAL-FIRED SPACE HEATERS AND COOKING RANGES, AUTOMATIC STOKERS FOR COAL BURNING FURNACES, AND ELECTRIC MOTOR-ACTUATED FURNACE DRAFT AND DAMPER CONTROLS.
Claims use since Feb. 24, 1948.

Ser. No. 553,178. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR GAS, COAL, AND KEROSENE-FIRED COOKING RANGES, GAS-HEATED HOT PLATES, GAS-FIRED BATHROOM HEATERS, COAL-FIRED LAUNDRY HEATERS, COAL, GAS, AND OIL-FIRED HEATING FURNACES, GAS, COAL, AND OIL-FIRED WATER HEATERS, GAS, COAL, CRUDE OIL, AND KEROSENE-FIRED SPACE HEATERS, RADIANT SPACE HEATERS, MAGAZINE-TYPE HEATERS, FURNACE BLOWERS, FURNACE STOKERS, AND RANGE BOILERS.
Claims use since Apr. 1, 1914.

Ser. No. 555,108. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Apr. 20, 1948.

TILCO-FIN

Applicant claims ownership of Registration No. 418,452.
FOR FINNED TUBING FOR HEAT EXCHANGE PURPOSES.
Claims use since Sept. 4, 1939.

Ser. No. 555,547. LUMINATOR, INC., Chicago, Ill. Filed Apr. 24, 1948.

PRISMOLENS

FOR LENSED LIGHT TRANSMISSIVE PANELING, LENSED GLASSWARE, AND LENSED PLASTIC WARE FOR COVERING THE LIGHTS OF LIGHTING EQUIPMENT.
Claims use since Apr. 9, 1948.

Ser. No. 555,587. BAR-BROOK MANUFACTURING COMPANY, INC., Wilmington, Del., and Shreveport, La. Filed Apr. 26, 1948.

AIRIDER

FOR WINDOW AND ATTIC FANS.
Claims use since Nov. 17, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 523,256. FRITSCHE TIRE & RELINER COMPANY, Chicago, Ill. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Principal Register, Sept. 28, 1948. Under section 2f of the act of 1946.

FRISCO

Applicant claims ownership of Registration No. 506,588.
FOR TIRE AND TUBE REPAIR PATCHES.
Claims use since Aug. 12, 1940.

Ser. No. 548,252. THE GORA-LEE CORPORATION, Stratford, Conn. Filed Jan. 29, 1948.



FOR NONMETALLIC WASHERS FOR NAILS, TACKS, AND SCREWS.
Claims use since Mar. 14, 1947.

Ser. No. 556,852. TRIANGLE RUBBER CO., INC., New York, N. Y. Filed May 11, 1948.

PHILKOB

FOR BELTING APPLYING TO MACHINERY, HOSE MADE OF CANVAS OR RUBBER, MACHINERY PACKING MADE OF FLAX, JUTE, ASBESTOS, OR SHEET PACKING.
Claims use since Aug. 28, 1912.

Ser. No. 562,233. WESTERN AUTO SUPPLY COMPANY, also doing business as Western Auto Stores, Kansas City, Mo. Filed July 26, 1948.



The word "Auto" is disclaimed apart from the mark shown.
FOR VEHICLE TIRES MADE OF SYNTHETIC OR NATURAL RUBBER AND FABRIC OR COMBINATIONS THEREOF.
Claims use since Oct. 31, 1939.

Ser. No. 563,612. W. T. GRANT COMPANY, New York, N. Y. Filed Aug. 17, 1948.

GRANTLINE

FOR BICYCLE TIRES AND TUBES.
Claims use since Nov. 12, 1946.

Ser. No 564,620. GREENE, TWEED & CO., North Wales, Pa. Filed Sept. 3, 1948.

G-T

FOR PACKING FOR THE WEARING AND BEARING PARTS OF MACHINES AND MECHANICAL DEVICES AND AS A SEAL AGAINST CONSTANT OR IMPULSED HYDRAULIC OR PNEUMATIC PRESSURE, MORE SPECIFICALLY IN THE FORM OF A RING PACKING FOR USE AS A SEAL IN CYLINDERS, SWIVEL JOINTS, STRUTS, SHOCK ABSORBERS, CONTROL VALVES, ACTUATING CYLINDERS, AND WHEEL BRAKE CYLINDERS.
Claims use since Feb. 15, 1944.

Ser. No. 565,075. MULTIPLE V-BELT DRIVE AND MECHANICAL POWER TRANSMISSION ASSOCIATION, Chicago, Ill. Filed Sept. 13, 1948. COLLECTIVE MARK. Under section 2f of the act of 1946.



The words "Multiple," "V-Belt," and "Drive Ass'n" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 401,091.
FOR DRIVING BELTS FOR MACHINERY.
Claims use since Aug. 28, 1941.

Ser. No. 565,182. THE FITZGERALD MANUFACTURING COMPANY, Torrington, Conn. Filed Sept. 15, 1948. Under section 2f of the act of 1946.

FITZGERALD

GASKETS

The term "Gaskets" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 317,228.
FOR CYLINDER HEAD AND MANIFOLD GASKETS.
Claims use since 1920.

Ser. No. 565,967. SCULLY RUBBER MFG., CO., Baltimore, Md. Filed Sept. 27, 1948. Under section 2f of the act of 1946.

Scully

FOR NON-METALLIC FAUCET WASHERS.
Claims use since May 1, 1928.

CLASS 37

PAPER AND STATIONERY

Ser. No. 549,124. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Company, San Francisco, Calif. Filed Feb. 9, 1948.

COROFOLD

FOR PAPER NAPKINS.
Claims use since January 1931.

Ser. No. 558,282. THE CONKLIN PEN COMPANY, INC., Chicago, Ill. Filed June 2, 1948.

BRIEF

FOR BALL POINT FOUNTAIN PENS.
Claims use since Apr. 2, 1947.

Ser. No. 562,714. KOLLER & SMITH CO., INC., New York, N. Y. Filed Aug. 3, 1948.

MAGNIKOL

FOR FILE CARDS AND FOLDERS.
Claims use since July 21, 1948.

Ser. No. 563,189. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed Aug. 11, 1948.

Kalacloth

FOR PAPER WASH CLOTHS.
Claims use since Dec. 1, 1944.

Ser. No. 563,192. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed Aug. 11, 1948.

WEATHER-MASTER

FOR PAPER VEGETABLE ROW COVERING.
Claims use since Jan. 1, 1935.

Ser. No. 563,235. CARPENTER PAPER COMPANY, Omaha, Nebr. Filed Aug. 12, 1948.

INTERMOUNTAIN

Applicant claims ownership of Registration No. 246,930.
FOR BOND PAPER.
Claims use since 1895.

Ser. No. 563,236. CARPENTER PAPER COMPANY, Omaha, Nebr. Filed Aug. 12, 1948.

ROCKY MT.

Applicant claims ownership of Registration No. 246,932.
FOR BOND PAPER.
Claims use since 1895.

Ser. No. 563,511. GEORGE A. WHITING PAPER CO., Menasha, Wis. Filed Aug. 16, 1948.

Crestline

FOR PAPER FOR OFFSET AND LETTERPRESS PRINTING.
Claims use since July 14, 1948.

Ser. No. 563,733. FITCHBURG PAPER COMPANY, Fitchburg, Mass. Filed Aug. 19, 1948.



The words "Fitchburg Paper Company, Fitchburg, Mass." are disclaimed.
FOR PRINTING AND CONVERTING PAPERS.
Claims use since Feb. 26, 1948.

CLASS 39

CLOTHING

Ser. No. 534,845. WEBER AND HEILBRONER, INC., New York, N. Y. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

Form-Fashion

Applicant claims ownership of Registration No. 380,525.
FOR MEN'S SHIRTS INCLUDING NEGLIGEE, SPORT, WORK, AND UNDERSHIRTS, SUITS, SOCKS, AND HATS.
Claims use since June 2, 1939.

Ser. No. 535,320. F. HEFTI & CO. A. G., Hatzingen, Switzerland. Filed Sept. 23, 1947.

Bilgeri

Applicant claims ownership of Swiss Registration No. 113,198, dated Nov. 28, 1945.
FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, OVERCOATS, COATS, TROUSERS, SUITS, JACKETS, DRESSES, UNDERWEAR, INDUSTRIAL AND MILITARY UNIFORMS, AND SPORTSWEAR—NAMELY, SKI TROUSERS AND DRESSES, JODHPURS, GARMENTS FOR MOUNTAIN CLIMBING—NAMELY, COATS, SUITS, TROUSERS AND DRESSES, FISHERMEN SUITS, TROUSERS, DRESSES, AND COATS FOR HUNTING AND SKATING.

Ser. No. 538,099. JACOB V. COHN, Detroit, Mich. Filed Oct. 17, 1947.

Flex Roll Lounger

The words "Roll" and "Flex" are disclaimed.
FOR DRESS SHIRTS, SPORT SHIRTS, AND SPORT COLLARS.
Claims use since Oct. 15, 1947.

Ser. No. 538,548. KALAMAZOO PANT COMPANY, Kalamazoo, Mich. Filed Oct. 21, 1947.

LITTLE DICKENS

FOR BOYS', JUNIORS', AND JUVENILE PANTS, SLACKS, KNICKERS, SHORTS, OVERALLS, OUTER SHIRTS, JACKETS, BLOUSES, ENSEMBLES, SUITS, AND PLAYSUITS.
Claims use since May 1947.

Ser. No. 542,067. ART-MOR TOGS INC., New York, N. Y. Filed Nov. 24, 1947.

ART MOR

Applicant claims ownership of Registration No. 411,846.
FOR LADIES' AND MISSES' PLAYSUITS, OVERALLS, SKI SUITS, SLACKS, BLOUSES, JACKETS, CULOTTES, BEACH ROBES, SUN SUITS, AND OUTER SHORTS.
Claims use since January 1933.

Ser. No. 542,437. BROOKS SHOE MANUFACTURING COMPANY, also doing business as Brooks Shoe Mfg. Co., Philadelphia, Pa. Filed Nov. 26, 1947.

BRUXSHU

FOR ATHLETIC SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS THEREOF.
Claims use since July 29, 1918.

Ser. No. 543,445. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Dec. 5, 1947.

MIAMIAN

Applicant claims ownership of Registration No. 354,993.
FOR FELT, CLOTH, AND STRAW HATS FOR WOMEN.
Claims use since December 1932.

Ser. No. 547,018. M. K. M. HOSIERY MILLS, INC., Boston, Mass. Filed Jan. 14, 1948.

ERIN Maid



The lining represents the color green. The picture of the girl is fanciful. Applicant claims ownership of Registration No. 294,547.

FOR HOSIERY.

Claims use since 1932.

Ser. No. 549,389. REVELATION BLOUSE CORP., New York, N. Y. Filed Nov. 20, 1947.

Revelation STYLED BY KIM

Applicant disclaims the words "Styled By Kim" apart from the mark as shown.

FOR LADIES' BLOUSES, SLACKS, AND PLAYSUITS.

Claims use since May 10, 1940.

Ser. No. 549,742. MUTUAL BUYING SYNDICATE, INC., New York, N. Y. Filed Feb. 14, 1948.

WEARTEX

FOR HOSIERY.

Claims use since 1911.

Ser. No. 550,201. ALICE FROCK COMPANY, San Francisco, Calif. Filed Feb. 20, 1948.

Lady Alice

Applicant claims ownership of Registrations Nos. 369,596, 424,398, 422,738, and 425,822.

FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHORTS, OUTER SHIRTS, PLAY SUITS, SUN SUITS, BATHING SUITS, SWEATERS, SCARFS, HATS AND CAPS, FABRIC GLOVES, BELTS FOR OUTER WEAR, SLACKS, SLACK SUITS, COATS, JACKETS, DRESSES, OUTER SKIRTS, AND GIRDLES.

Claims use since Jan. 7, 1936.

Ser. No. 550,526. LIVINGSTON & LIVINGSTON, New York, N. Y. Filed Feb. 25, 1948. Under section 2f of the act of 1946.

Your Brother's SHIRT

No claim is made to the word "Shirt" apart from the mark.

FOR LADIES', MISSES', AND GIRLS' BLOUSES AND WAISTS.

Claims use since Feb. 3, 1939.

Ser. No. 552,095. SPENCER SHOE CORPORATION, Boston, Mass. Filed Mar. 16, 1948. Under section 2f of the act of 1946.

Spencer

Applicant claims ownership of Registrations Nos. 268,094 and 404,706.

FOR SHOES, SLIPPERS, AND MOCCASINS MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS THEREOF, RUBBERS, HOSIERY, MITTENS OF LEATHER, FABRIC AND COMBINATIONS THEREOF; SKATING SHOES; TENNIS SHOES; AND BONNETS FOR WOMEN AND CHILDREN.

Claims use since Feb. 23, 1923.

Ser. No. 554,751. JULES E. WINTERS, New York, N. Y. Filed Apr. 15, 1948.

MINGBLEN Luxurious RUSSIAN WEASEL

The wording "Luxurious Russian Weasel" and the representation of the weasel, are disclaimed apart from the mark as shown.

FOR LADIES', MISSES', AND GIRLS' RUSSIAN WEASEL FUR GARMENTS—NAMELY, COATS, JACKETS, CAPES, STOLES, MUFFS, COLLARS, SCARFS, AND BELTS.

Claims use since Feb. 25, 1948.

Ser. No. 555,077. PRINCESS PEGGY, INC., Peoria, Ill. Filed Apr. 20, 1948.



The portrait comprising the trade-mark is fanciful. Applicant claims ownership of Registration No. 424,760.

FOR READY-TO-WEAR COTTON DRESSES FOR WOMEN, MISSES, AND GIRLS.

Claims use since Mar. 1, 1943.

Ser. No. 556,272. ALVIN NATELSON, Amityville, Long Island, N. Y. Filed May 5, 1948.

SleepArt

No claim is made to the word "Sleep" apart from the mark shown.

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' PAJAMAS.

Claims use since Jan. 10, 1946.

Ser. No. 556,287. RIMA MODEL GOWNS, LIMITED, London, England. Filed May 5, 1948.

Rima

Applicant claims ownership of British Registration No. B662,186, dated Sept. 4, 1947.

FOR WOMEN'S DRESSES, JUMPER SUITS, COSTUMES, AND COATS.

Ser. No. 556,586. KIMEL SHOE COMPANY, INC., Boston, Mass. Filed May 8, 1948. Under section 2f of the act of 1946.

KS Kimel

FOR WOMEN'S SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.

Claims use since June 1926.

Ser. No. 557,989. ALEXON AND COMPANY LIMITED, London, England. Filed May 28, 1948.

ALEXON

Applicant claims ownership of British Registration No. 620,477, dated Oct. 8, 1942.

FOR WOMEN'S COATS, SUITS, SKIRTS, JACKETS, AND SLACKS.

Ser. No. 558,067. ROSEN-EDELSTEIN, INC., New York, N. Y. Filed May 28, 1948.

ROLAINE

FOR MISSES' COATS AND SUITS MADE OF WOOLEN FABRIC.

Claims use since Mar. 1, 1948.

Ser. No. 558,485. GASTWIRTH BROS., New York, N. Y., and Philadelphia, Pa. Filed June 4, 1948.

GEE TEENS

The word "Teens" is disclaimed.

FOR GIRLS' AND CHILDREN'S COATS.

Claims use since May 10, 1948.

Ser. No. 560,064. MEYER TAWIL, New York, N. Y. Filed June 23, 1948.

Pinky Town ORIGINALS

No claim is made to the term "Originals" apart from the mark shown.

FOR CHILDREN'S DRESSES.

Claims use since Oct. 14, 1947.

Ser. No. 560,529. M. BECKERMAN & SONS, INC., New York, N. Y. Filed July 1, 1948.

PRIVATEER

FOR SHOES.

Claims use since June 7, 1948.

Ser. No. 560,531. M. BECKERMAN & SONS, INC., New York, N. Y. Filed July 1, 1948.



FOR SHOES.

Claims use since June 7, 1948.

Ser. No. 563,422. C. RAY LAWYER, Berkeley, Calif. Filed Aug. 14, 1948.

RANGELAND

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' HATS, LEATHER GLOVES, AND LEATHER CHAP SUITS CONSISTING OF CHAPS PLUS A MATCHING VEST.
Claims use since October 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 515,922. WALDES KOH-I-NOOR, INC., Long Island City, N. Y. Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Oct. 10, 1947. Under section 2f of the act of 1946 as to "Waldes."



The representation of the woman is fanciful. No claim is made to the representation of a snap fastener except in the association shown.
FOR SNAP FASTENERS, SNAP FASTENER TAPE, HOOKS AND EYES, HOOK AND EYE TAPE, BACHELOR BUTTONS OF THE SNAP FASTENER TYPE, CUFF BUTTONS, SAFETY PINS, AND SHOE BUCKLES (OF NON-PRECIOUS MATERIAL).
Claims use since Nov. 1, 1946.

Ser. No. 553,819. CONTINENTAL ELASTIC CORPORATION, New Bedford, Mass. Filed Apr. 5, 1948.

STAYLASTIC

The word "Stay" is disclaimed. Applicant claims ownership of Registrations Nos. 352,855, 392,796, 507,355, and 507,356.
FOR ELASTIC BRAIDS, NARROW ELASTIC WEBS, NON-ELASTIC NARROW FABRICS.
Claims use since Mar. 8, 1948.

Ser. No. 562,542. COLUMBIA FASTENER COMPANY, Chicago, Ill. Filed July 30, 1948. Under section 2f of the act of 1946.

EVERSNAP

Applicant claims ownership of Registration No. 130,283.
FOR DRESS FASTENERS.
Claims use since June 13, 1919.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 557,462. OBERMAN & COMPANY, New York, N. Y. Filed May 20, 1948.

RADIETTE

FOR PIECE GOODS OF SILK, COTTON, SYNTHETIC FIBRES, AND MIXTURES THEREOF.
Claims use since Oct. 19, 1922.

Ser. No. 563,582. BERKSHIRE FINE SPINNING ASSOCIATES, INC., Adams, Mass., and Providence, R. I. Filed Aug. 11, 1948.

LAWN DE NUIT

No claim is made to the exclusive use of the word "Lawn" apart from the mark as shown on the drawing and except in association with the mark as so shown.
FOR TEXTILE FABRICS COMPOSED OF COTTON.
Claims use since 1930.

Ser. No. 571,603. CROMPTON COMPANY, Crompton, R. I. Filed Jan. 4, 1949.

GREAT ROY

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS.
Claims use since Dec. 23, 1948.

Ser. No. 571,606. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed Jan. 4, 1949.

DANSHRUNK

FOR COTTON PIECE GOODS.
Claims use since Nov. 12, 1948.

Ser. No. 572,318. J. J. NEWBERRY CO., New York, N. Y. Filed Jan. 17, 1949.

MARLENE

Applicant claims ownership of Registration No. 375,907.
FOR SILK, VELVET, COTTON, RAYON, MOIRE RIBBONS SOLD BY THE YARD, PIECE, AND BOLT, BLANKETS MADE WHOLLY OF COTTON, BLANKETS MADE WHOLLY OF WOOL, AND BLANKETS MADE OF MIXTURES OF WOOL AND COTTON, AND SHEETS AND PILLOW CASES MADE IN WHOLE OF WOOL AND/OR COTTON AND COMBINATIONS THEREOF.
Claims use since January 1937.

Ser. No. 572,319. J. J. NEWBERRY CO., New York, N. Y. Filed Jan. 17, 1949.

NEWBELLE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, WOOL, WORSTED, SILK, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Jan. 5, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 510,242. ELECTRICAL INDUSTRIES, INC., Newark, N. J. Original filed, act of 1905, Oct. 4, 1946; amended to application under act of 1946, Principal Register, Feb. 18, 1948.

EI INC

No claim is made to the word "INC" apart from the mark as shown. Applicant claims ownership of Registration No. 423,504.
FOR THERAPEUTIC ELECTRICAL HEATING PADS.
Claims use since Aug. 26, 1946.

Ser. No. 521,511. J. H. EMERSON COMPANY, Cambridge, Mass. Original filed, act of 1905, Apr. 29, 1947; amended to application under act of 1946, Principal Register, July 5, 1947. Under section 2f of the act of 1946.

EMERSON

FOR ARTIFICIAL RESPIRATORS AND RESUSCITATORS.
Claims use since 1939.

Ser. No. 538,831. WARD GREEN COMPANY, New York, N. Y. Filed Oct. 23, 1947.

Commander

FOR ABDOMINAL SUPPORTS.
Claims use since December 1940.

Ser. No. 545,021. MEINECKE & COMPANY, New York, N. Y. Filed Dec. 20, 1947. Under section 2f of the act of 1946.

"VARICK"

Applicant claims ownership of Registration No. 395,528.
FOR SURGEON'S GLOVES, CLINICAL THERMOMETERS, PAPER MORTUARY GOWNS, WOOD APPLICATORS, WOOD TONGUE BLADES, HYPODERMIC SYRINGES, BED AND DOUCHE PANS, AND RUBBER SHEETING.
Claims use on surgeon's gloves since 1932; on clinical thermometers since 1934; on paper mortuary gowns, wood applicators, and wood tongue blades since 1937; on hypodermic syringes since 1938; on bed and douche pans since 1939; and on rubber sheeting since Mar. 1, 1941.

Ser. No. 557,662. THE EUREKA COPPERSMITH AND PLUMBING CO., INC., Baltimore, Md. Filed May 24, 1948.

The Original Eureka

FOR THERAPEUTIC APPLIANCES IN THE FORM OF A METALLIC PLATE ADAPTED TO BE WORN NEXT THE SKIN FOR RELIEF OF RHEUMATIC AND ARTHRITIC PAINS.
Claims use since Oct. 24, 1942.

Ser. No. 560,677. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y. Filed July 8, 1948.

ACMI

Applicant claims ownership of Registration No. 328,201.
FOR ENDOSCOPIC EXAMINING AND OPERATING SURGICAL INSTRUMENTS AND COMPONENTS THEREOF; SURGICAL FORCEPS FOR USE WITH SUCH INSTRUMENTS; AND CATHETERS.
Claims use since 1908.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 556,014. D. J. IRELAND, doing business as The Delaware Punch Bottling Company, Waco, Tex. Filed May 1, 1948.



The word "Best" is disclaimed.
FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS.
Claims use since Aug. 1, 1947.

Ser. No. 564,480. BOOTH BOTTLING COMPANY, INC., Philadelphia, Pa. Filed Aug. 31, 1948. Under section 2f of the act of 1946.



The drawing is lined to indicate a blue center and a gold border. Applicant claims ownership of Registrations Nos. 278,030 and 508,708.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.

Claims use since 1934.

Ser. No. 565,311. BURMA-COLA COMPANY, Washington, D. C. Filed Sept. 17, 1948.



The word "Cola" is disclaimed.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FLAVORING SYRUP FOR MAKING THE SAME.

Claims use since July 21, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,877. GORDON BAKING CO., Detroit, Mich. Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1947.



Applicant claims ownership of Registrations Nos. 179,870 and 216,160.

FOR BREAD, ROLLS, AND COFFEE CAKES.

Claims use since Jan. 1, 1932.

Ser. No. 524,451. THE R. T. FRENCH COMPANY, Rochester, N. Y. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, June 18, 1948. Under section 2f of the act of 1946.

French's

FOR BIRD FOOD AND PET SUPPLIES—NAMELY, BIRD BISCUIT, LOVE BIRD SEEDS, BIRD SEEDS, NESTLING FOOD, SONG FOOD, AND FISH FOOD.

Claims use since July 1901 on bird biscuit; since May 1902 on love bird seeds, nestling food, song food, and fish food; and since March 1905 on bird seeds.

Ser. No. 524,627. SEASLIC, INCORPORATED, doing business as Seaslic, Inc., Chicago, Ill. Original filed, act of 1905, June 21, 1947; amended to application under act of 1946, Principal Register, Mar. 26, 1948.

Seaslic

Applicant claims ownership of Registration No. 288,762.

FOR NATURAL AND IMITATION SPICES—NAMELY, GROUND NUTMEG, WHOLE NUTMEG, WHOLE MUSTARD SEED, WHOLE BLACK PEPPER, GROUND BLACK PEPPER, GROUND RED PEPPER, IMITATION BLACK PEPPER, IMITATION WHITE PEPPER, PAPRIKA, GROUND CINNAMON, GROUND GINGER, GROUND ALLSPICE, AND GROUND CORIANDER; SEASONINGS FOR MEAT AND OTHER FOOD PRODUCTS IN EMULSIFIED FORM—NAMELY, SAGE EMULSION, DILL EMULSION, AND SWEET PICKLE EMULSION; SEASONINGS FOR MEAT PRODUCTS IN POWDERED FORM—NAMELY, PORK SAUSAGE SEASONING, BACON MIX, HAM SPICE, FRANKFURTER SEASONING, AND CHILI MIX; ANTIOXIDANT COOKING OIL; SPECIAL PORK SEASONING OIL; AND BINDER FLOURS FOR USE IN PROCESSED MEAT PRODUCTS, COMPRISING A COMBINATION OF WHEAT AND CORN FLOUR AND/OR SOYA FLOUR, RICE OR POTATO STARCH, AND DEFATTED MILK SOLIDS.

Claims use since March 1925.

Ser. No. 526,805. SIMONS & FRENCH COMPANY, INCORPORATED, New York, N. Y., and Sacramento, Calif. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, June 26, 1948.

DAWN-O-GOLD

FOR FRESH GRAPES.

Claims use since 1928.

Ser. No. 527,632. VITAMINERALS, INC., Los Angeles, Calif. Filed July 5, 1947.

VITAMINERALS

Applicant claims ownership of Registrations Nos. 393,059, 357,140, and 506,435.

FOR NUTRITIONAL SUPPLEMENT COMPOSED OF DEFATTED, DEHYDRATED WHEAT EMBRYO, MALT AND DEXTROSE, AND A BROTH POWDER MADE OF VEGETABLE CONCENTRATES AND OTHER INGREDIENTS.

Claims use since Aug. 1, 1933.

Ser. No. 528,141. NEW ENGLAND PROVISION CO., INC., Boston, Mass. Filed July 8, 1947.



FOR FRANKFURTS, BEEF SAUSAGE, PORK SAUSAGE, BEEF AND PORK SAUSAGE, MEAT LOAF, SALAMI, BOLOGNA, AND LIVER PUDDING.

Claims use since October 1927.

Ser. No. 532,582. FRUIT BELT PRESERVING COMPANY, East Williamson, N. Y. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

APPLE-TRU

The word "Apple" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 394,002.

FOR SLICED APPLES PACKED IN TIN AND GLASS.

Claims use since Jan. 17, 1941.

Ser. No. 533,349. THE NAAS CORPORATION OF INDIANA, Portland, Ind. Filed Sept. 4, 1947. Under section 2f of the act of 1946 as to "Naas."

naas
OLD TIME

The words "Old Time" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 420,546.

FOR TOMATO CATSUP, CHILI SAUCE, AND SEAFOOD COCKTAIL SAUCE.

Claims use since Nov. 27, 1941.

Ser. No. 534,526. FRANCO-ITALIAN PACKING COMPANY, Terminal Island, Calif. Filed Sept. 15, 1947. Under section 2f of the act of 1946.

SPEZIA

Applicant claims ownership of Registration No. 208,953.

FOR CANNED TUNA.

Claims use since July 1, 1928.

Ser. No. 536,954. HARRY REIMER AND COMPANY, Phoenix, Ariz. Filed Oct. 6, 1947.



The mark consists of the name and representation of an old military fort on Ute Creek, Colo., which was built in 1852. Applicant claims ownership of Registration No. 375,961.

FOR FRESH VEGETABLES.

Claims use since July 1935.

Ser. No. 538,346. BEAVER MEADOW BY-PRODUCTS CORP., Dubois, Pa. Filed Oct. 20, 1947.

BEAVER MEADOW BRAND

No claim is made to the word "Brand" apart from the mark as shown.

FOR CONDENSED BUTTERMILK USED IN FEEDING POULTRY AND LIVESTOCK.

Claims use since Apr. 1, 1947.

Ser. No. 540,192. JONES DAIRY FARM, Fort Atkinson, Wis. Filed Nov. 5, 1947. Under section 2f of the act of 1946 as to "Jones."



The drawing is lined for shading only. Applicant claims ownership of Registrations Nos. 308,984 and 311,487.

FOR HAM.

Claims use since Sept. 23, 1947, as to the mark as shown; and since Feb. 1, 1891, as to the word "Jones."

Ser. No. 540,527. DAVIS BROS. FISHERIES CO., INC., Gloucester, Mass. Filed Nov. 8, 1947. Under section 2f of the act of 1946.

DAVIS BROS.

Applicant claims ownership of Registration No. 385,261.
FOR SEAFOOD PRODUCTS—NAMELY, FISH AND ROE.
Claims use since November 1917.

Ser. No. 543,814. LADY LEISURE, INC., Rochester, N. Y. Filed Dec. 9, 1947.



The representation of the woman is fanciful. The representation of the label is disclaimed.
FOR JELLIES.
Claims use since Nov. 5, 1947.

Ser. No. 543,909. ENZO JEL COMPANY, Sheboygan, Wis. Filed Dec. 10, 1947.

ENZO

Applicant claims ownership of Registration No. 273,639.
FOR GELATIN, GELATIN DESSERT PREPARATION, FRUIT PECTIN, AND PUDDING PREPARATION.
Claims use since 1925 on gelatin dessert preparation; since Apr. 9, 1926, on puddings; since 1937 on gelatin; and since March 1941 on pectin.

Ser. No. 545,130. THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans. Filed Dec. 22, 1947.



The representation of the girl is that of a fictitious person.
FOR WHEAT FLOUR.
Claims use since June 6, 1941.

Ser. No. 545,132. THE WILLIAM KELLY MILLING COMPANY, Hutchinson, Kans. Filed Dec. 22, 1947.



Applicant disclaims the phrase "Leads the Parade" apart from the mark as shown. The representation of the girl is that of a fictitious person.
FOR WHEAT FLOUR.
Claims use since June 6, 1941.

Ser. No. 545,592. MOUNTAIN VIEW FRUIT ASSOCIATION, Upland, Calif. Filed Dec. 27, 1947.

RED ENSIGN

Applicant claims ownership of Registration No. 209,191.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 14, 1911.

Ser. No. 545,593. MOUNTAIN VIEW FRUIT ASSOCIATION, also doing business as Mountain View Orange and Lemon Growers Association, Upland, Calif. Filed Dec. 27, 1947.

WHITE ENSIGN

Applicant claims ownership of Registration No. 209,191.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 14, 1911.

Ser. No. 546,385. GENATOSAN LIMITED, Loughborough, England. Filed Jan. 7, 1948.

GENATOSAN

Applicant claims ownership of British Registration No. 385,040, dated Sept. 3, 1918.
FOR DIETETIC FOODS FOR INFANTS AND INVALIDS—NAMELY, PREPARATIONS PRINCIPALLY OF CASEIN AND SODIUM GLYCEROPHOSPHATE.

Ser. No. 546,689. FAIRMONT CANNING COMPANY, Fairmont, Minn. Filed Jan. 10, 1948.

NORTH STATE

FOR CANNED VEGETABLES—NAMELY, PEAS AND CORN.
Claims use since Oct. 23, 1928.

Ser. No. 546,784. ORANGE COUNTY VALENCIA ASSOCIATION, Anaheim, Calif. Filed Jan. 12, 1948. Under section 2f of the act of 1946.

HI-CLASS

Applicant claims ownership of Registrations Nos. 251,361 and 316,386.
FOR FRESH CITRUS FRUITS.
Claims use since Oct. 4, 1927.

Ser. No. 549,015. SIMPLOT WESTERN IDAHO PRODUCE, INC., Caldwell, Idaho. Filed Feb. 6, 1948.

GLACIER GAL

FOR FRESH LETTUCE.
Claims use since Dec. 23, 1947.

Ser. No. 549,325. DIETRICH & GAMBRILL, INC., Frederick, Md., and Lewisburg, Pa. Filed Nov. 3, 1947. Under section 2f of the act of 1946.

PEN MAR

Applicant claims ownership of Registration No. 386,459.
FOR POULTRY FEED, DAIRY FEED, AND HORSE FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE WHOLE OR GROUND CEREAL GRAINS, GRAIN BY-PRODUCTS, AND SEED CONCENTRATES.
Claims use since January 1930.

Ser. No. 549,796. THE FLAVOUR CANDY COMPANY, Chicago, Ill. Filed Feb. 16, 1948. Under section 2f of the act of 1946.

MICHIGAN MINTS

No claim is made to the word "Mints" apart from the mark as shown.
FOR CANDY.
Claims use since 1940.

Ser. No. 550,386. COCK 'N BULL PRODUCTS, Hollywood, Calif. Filed Feb. 24, 1948.



A
Cock 'n Bull Product

Applicant disclaims the word "Product" apart from the mark. Applicant claims ownership of Registrations Nos. 395,298 and 435,910.
FOR PLUM PUDDING.
Claims use since Oct. 25, 1946.

Ser. No. 550,760. VAN BRODE MILLING CO., INC., Clinton, Mass. Filed Feb. 27, 1948.



Applicant claims ownership of Registrations Nos. 503,726 and 412,894.
FOR CEREAL BREAKFAST FOODS.
Claims use since August 1947.

Ser. No. 551,622. DOLD PACKING CORPORATION, Buffalo, N. Y. Filed Mar. 10, 1948. Under section 2f of the act of 1946.



The word "Quality" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 137,198, 137,203, and 183,278.
FOR PURE LARD.
Claims use since 1888.

Ser. No. 552,140. THE FRITO COMPANY, Dallas, Tex. Filed Mar. 17, 1948.

Fritos

Applicant claims ownership of Registrations Nos. 368,656, 370,698, 306,005, and 369,204.
FOR CANDY, SHELLED SALTED PEANUTS AND CORN CHIPS.
Claims use since Mar. 27, 1932.

Ser. No. 553,238. ANHEUSER-BUSCH, INC., St. Louis, Mo. Filed Mar. 29, 1948.

Michelob

Applicant claims ownership of Registration No. 120,157.
FOR BARLEY MALT SYRUP FOR FOOD PURPOSES.
Claims use since Jan. 6, 1948.

Ser. No. 553,259. LAWRENCE BARON, INC., Yonkers, N. Y. Original filed, act of 1946, Supplemental Register, Mar. 29, 1948; amended to application, Principal Register, July 27, 1949.

TIBBETTS BROOK

FOR PREPARED JELLY, JAM, AND FRUIT PRESERVES.
Claims use since Oct. 15, 1942.

Ser. No. 553,466. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948.

Argo

Applicant claims ownership of Registrations Nos. 69,624, 69,784, 102,064, 178,006, 280,717, and 399,218.
FOR CORN SUGAR FOR USE AS A FOOD AND AS AN INGREDIENT OF FOODS FOR HUMAN CONSUMPTION.
Claims use since Mar. 11, 1908.

Ser. No. 553,821. DEERFIELD PACKING CORPORATION, Upper Deerfield, N. J., now by change of name Seabrook Farms Co. Filed Apr. 5, 1948. Under section 2f of the act of 1946.

DEERFIELD

FOR CANNED VEGETABLES.
Claims use since 1933.

Ser. No. 554,948. COCHRAN CO., INC., Tracy, Calif. Filed Apr. 19, 1948.

MAGPIE 

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since 1927.

Ser. No. 555,321. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed Apr. 22, 1948.

TEA GARDEN DRIPS

Applicant claims ownership of Registrations Nos. 253,835, 264,387, and 399,528.
FOR TABLE SYRUP.
Claims use since Feb. 15, 1902.

Ser. No. 555,481. AUBURN FRUIT EXCHANGE, Auburn, Calif. Filed Apr. 24, 1948. Under section 2f of the act of 1946.

AUBURN

FOR FRESH DECIDUOUS FRUITS.
Claims use since June 1, 1927.

Ser. No. 555,929. EAST TEXAS CREAMERY, Marshall, Tex. Filed Apr. 30, 1948.

Merrytime ICE CREAM 

The words "Ice Cream" are disclaimed.
FOR ICE CREAM.
Claims use since Apr. 1, 1948.

Ser. No. 557,148. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed May 15, 1948.

Solitaire

Applicant claims ownership of Registrations Nos. 52,130, 64,380, 66,038, 68,490, 68,642, 91,364, 113,618, and 122,514, all renewed.
FOR JELLY POWDERS, BARS OF CHOCOLATE USED FOR BOTH COOKING AND CONFECTIONERY PURPOSES, BARLEY, ROLLED OATS, TAPIOCA, PANCAKE FLOUR, BUCKWHEAT AND WHEAT FLOUR COMPOUNDS, CORN FLAKES, CANNED SHRIMP, CANNED PEELED GREEN CHILLI, CANNED CRAB MEAT, AND RED HOT SAUCE.
Claims use since Aug. 7, 1914.

Ser. No. 557,363. THE LAMB FRUIT COMPANY, Yakima, Wash. Filed May 19, 1948.

LAMB

FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 11, 1919.

Ser. No. 558,084. H. P. TULL & COMPANY, Kingston, Md. Filed May 28, 1948.

KING OF THE FIELD 

FOR CANNED TOMATOES.
Claims use since 1901.

Ser. No. 558,108. CAPE ANN FISHERIES, INC., Gloucester, Mass. Filed May 29, 1948. Under section 2f of the act of 1946.

CAPE ANN

FOR FRESH FISH, FISH FILLETS, AND FROZEN FISH—NAMELY, HAKE, HAKE FILLETS, OCEAN PERCH, COD, SKINLESS COD, FLOUNDER, GREY-SOLE, HADDOCK, SMALL HADDOCK, HADDOCK FILLETS, WHITING FILLETS, SCALLOPS, POLLOCK FILLETS, SKINLESS POLLOCK, HALIBUT, AND SWORDFISH.
Claims use since 1914.

Ser. No. 558,236. HARALD K. NICOLAISEN, doing business as California Supply Company, San Francisco, Calif. Filed June 1, 1948.

CASCO

Applicant claims ownership of Registration No. 165,441.
FOR TOMATO CATSUP AND CANNED TOMATOES.
Claims use since June 1, 1915.

Ser. No. 558,530. ALFRED STANFORD, Essex Conn. Filed June 4, 1948.

YANKEE MAID APPLES

The words "Stanford Orchards" are disclaimed. The word "Apples" and the representations of apples are disclaimed per se.
FOR FRESH APPLES.
Claims use since Dec. 1, 1947.

Ser. No. 559,825. AIRWAY FRUIT & VEGETABLE COMPANY, Baltimore, Md. Filed June 21, 1948.



The word "Brand" is disclaimed.
FOR FRESH VEGETABLES.
Claims use since June 7, 1948.

Ser. No. 559,874. WILBOURN'S INCORPORATED, Morgantown, W. Va. Filed June 21, 1948.

WIL-MOR

FOR FRESH FRUITS AND VEGETABLES—NAMELY, BANANAS, BRUSSELS SPROUTS, POTATOES, AND TOMATOES.
Claims use since Mar. 1, 1948.

Ser. No. 560,403. F. A. GOSSE COMPANY, Seattle, Wash. Filed June 29, 1948.

SILVERSEA

FOR CANNED SALMON.
Claims use since Feb. 10, 1926.

Ser. No. 561,387. KING PHARR CANNING OPERATIONS, INC., Laurel, Miss. Filed Feb. 14, 1948. Under section 2f of the act of 1946.

KING PHARR

Applicant claims ownership of Registration No. 416,067.
FOR CANNED VEGETABLES.
Claims use since 1918.

Ser. No. 561,398. ATLANTA MILLING COMPANY, Atlanta, Ga. Filed Mar. 2, 1948.



The representations of the man and of the woman are fanciful. No claim is made to any of the wording except "Miss Dixie." Applicant claims ownership of Registration No. 172,738.
FOR SELF-RISING WHEAT FLOUR.
Claims use since February 1910.

Ser. No. 561,673. KAY KARAHADIAN, Los Angeles and Thermal, Calif. Filed July 19, 1948.

EVENING GLOW

FOR FRESH GRAPES.
Claims use since June 27, 1948.

Ser. No. 562,212. LINDSAY CITRUS GROWERS ASSOCIATION, Lindsay, Calif. Filed July 26, 1948. Under section 2f of the act of 1946.

DISTINCTIVE

Applicant claims ownership of Registration No. 302,369.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1929.

Ser. No. 562,213. LINDSAY CITRUS GROWERS ASSOCIATION, Lindsay, Calif. Filed July 26, 1948. Under section 2f of the act of 1946.

HEALTH GIVER

Applicant claims ownership of Registration No. 302,368.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1929.

Ser. No. 562,414. STANDARD CANDY COMPANY, Nashville, Tenn. Filed July 28, 1948.

Gift Tester

FOR CANDY.
Claims use since May 15, 1948.

Ser. No. 562,440. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif. Filed July 29, 1948.

CARNIVAL

FOR FRESH CITRUS FRUITS.
Claims use since 1910.

Ser. No. 562,591. THE MIAMI MARGARINE COMPANY, Cincinnati, Ohio. Filed June 3, 1948.



The figurehead of the girl is fanciful. The lining in the drawing indicates shading only. Applicant claims ownership of Registration No. 436,187.
FOR MARGARINE.
Claims use since Dec. 31, 1947.

Ser. No. 562,955. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 6, 1948.

Ken-L

Applicant claims ownership of Registrations Nos. 425,833, 278,526, 423,765, 377,432, 188,326, 234,411, 237,851, and 230,270.
FOR DOG FOOD.
Claims use since Jan. 17, 1946.

Ser. No. 563,056. CANDY ARTISTS, INC., San Francisco, Calif. Filed Aug. 9, 1948.

Choclics

FOR CANDY.
Claims use since June 7, 1948.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 547,838. ADOLPH COORS COMPANY, Golden, Colo. Filed Jan. 23, 1948.



The name "Adolph Coors" is the name of the founder of the business, now deceased. The words "Adolph Coors, Golden, Colorado," and "Trade Mark" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 79,624 and 156,155.
FOR BEER.
Claims use since 1923.

Ser. No. 560,705. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis. Filed July 3, 1948.



The portrait shown is fanciful. Applicant claims ownership of Registration No. 300,866.
FOR BEER.
Claims use since June 15, 1914.

Ser. No. 560,706. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis. Filed July 8, 1948.



The portrait shown on the drawing is fanciful. Applicant claims ownership of Registration No. 300,866.
FOR BEER.
Claims use since June 15, 1914.

Ser. No. 568,006. THE STROH BREWERY COMPANY, Detroit, Mich. Filed Nov. 1, 1948. Under section 2f of the act of 1946.

Stroh's

Applicant claims ownership of Registrations Nos. 70,922 and 363,354.
FOR BEER.
Claims use since Jan. 1, 1885.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 530,472. COVENTRY WARE, INC., Barberton, Ohio. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

Coventry Ware

The word "Ware" is disclaimed apart from the balance of the trade-mark. Applicant claims ownership of Registration No. 340,761.
FOR STATUETTES, PLAQUES, FIGURES, AND FIGURINES.
Claims use since August 1934.

Ser. No. 533,814. WOOD FLONG CORPORATION, Hoosick Falls, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

WOOD
SPEEDMAT

FOR DRY MATS.
Claims use since Feb. 16, 1926.

Ser. No. 540,107. RATHBORNE, HAIR & RIDGWAY COMPANY, Chicago, Ill. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

SUPERSTRONG

Applicant claims ownership of Registration No. 423,193.
FOR PALLETS, WHICH ARE LOAD-SUPPORTING PLATFORMS, BASES, PANELS, OR SKIDS.
Claims use since February 1941.

Ser. No. 542,699. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Nov. 28, 1947.

NATIONAL

FOR DEVICES FOR KILLING AND DISABLING INSECTS, FLIES, AND THE LIKE, KNOWN AS FLY KILLERS OR FLY SWATTERS.
Claims use since Oct. 17, 1919.

Ser. No. 542,748. DETTRA FLAG COMPANY, INC., Oaks, Pa. Filed Nov. 29, 1947.

DURA-LITE

No claim is made to exclusive right to registration of the word "Lite" apart from the mark as shown.
FOR FLAGS.
Claims use since Nov. 19, 1947.

Ser. No. 546,157. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

OROLAC

Applicant claims ownership of Registration No. 316,949.
FOR METALLIC CAPS AND CLOSURES FOR BOTTLES AND CANS AND THE LIKE.
Claims use since Apr. 13, 1934.

Ser. No. 546,748. THE ARCO COMPANY, Cleveland, Ohio. Filed Jan. 12, 1948.



FOR AUTOMOBILE PAINTING KITS CONSISTING OF SOLVENT CLEANER, SAND PAPER, PLASTIC FILLER, PUTTY KNIFE, CHEESE CLOTH, PAINT, PAINT DISPENSER, AND MITTEN TYPE PAINT APPLICATOR.
Claims use since Oct. 10, 1947.

Ser. No. 551,868. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 13, 1948.

RELIANCE

FOR LADDERS, RUBBER LINK DOOR MATS, RUBBER STAIR TREADS.
Claims use since Mar. 1, 1919.

Ser. No. 552,403. ADOLPH WEITSMAN, New York, N. Y. Filed Mar. 19, 1948.

LEATHOKLENE

The lining in the drawing is not for color.
FOR SHEETS OF PLASTIC MATERIAL ADAPTED TO BE USED AS A SUBSTITUTE FOR LEATHER IN WEARING APPAREL, AND MORE ESPECIALLY AS A BACKING FOR LADIES' BELTS AND FOR TRIMMINGS, FACINGS, LININGS, AND THE LIKE.
Claims use since Feb. 9, 1948.

Ser. No. 553,175. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR LADDERS, RUBBER LINK DOOR MATS, RUBBER STAIR TREADS.
Claims use since Apr. 1, 1920.

Ser. No. 555,899. THE PATENT SCAFFOLDING CO. INC., Long Island City, N. Y. Original filed, act of 1946, Supplemental Register, Dec. 23, 1947; amended to application, Principal Register, June 22, 1949. Under section 2f of the act of 1946.

GOLD MEDAL

FOR SCAFFOLDS.
Claims use since Jan. 1, 1923.

Ser. No. 559,693. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed June 19, 1948.

FAIRPRENE

FOR SYNTHETIC RUBBER COMPOSITION SHEETING, WITH OR WITHOUT FABRIC REINFORCEMENT.
Claims use since July 7, 1939.

Ser. No. 564,615. FRANK W. FLEMING, Long Beach, N. Y. Filed Sept. 3, 1948.

Billy-Doo

FOR FLOWERS AND CONFECTIONS SOLD IN A COMBINATION PACKAGE.
Claims use since July 2, 1948.

CLASS 55

SERVICES

Ser. No. 530,461. BOWEN ENGINEERING, INC., Garwood, N. J. Filed Aug. 5, 1947. SERVICE MARK.

BOWEN

The word "Bowen" is disclaimed.
FOR ENGINEERING SERVICE COMPRISING ENGINEERING IN THE FIELD OF SPRAY DRYING INCLUDING CONSULTANT SERVICES ON SPECIAL PROBLEMS IN THE FIELD OF SPRAY DRYING, DESIGNING OF SPRAY DRYING EQUIPMENT TO BE FABRICATED BY OTHERS AND CONDUCTING TESTS TO DETERMINE THE TECHNICAL AND DRYING FACTORS OF THE MATERIAL TO BE DRIED.
Claims use since July 1928.

Ser. No. 532,423. AMERICAN EAGLE FIRE INSURANCE COMPANY, New York, N. Y. Filed Aug. 26, 1947. SERVICE MARK.



FOR THE UNDERWRITING BY AMERICAN EAGLE FIRE INSURANCE COMPANY OF THE FOLLOWING CLASSES OF INSURANCE: FIRE INSURANCE; MISCELLANEOUS PROPERTY INSURANCE; WATER DAMAGE INSURANCE; COLLISION INSURANCE; MOTOR VEHICLE AND AIRCRAFT INSURANCE; MARINE INSURANCE; MARINE PROTECTION AND INDEMNITY INSURANCE; REINSURANCE OF RISKS OF EVERY KIND OR DESCRIPTION, EXCEPT LIFE AND ANNUITIES; AND ON RISKS OUTSIDE OF THE UNITED STATES, ITS TERRITORIES AND POSSESSIONS, ALL KINDS OF INSURANCE, EXCEPT LIFE AND ANNUITIES.
Claims use since Aug. 1, 1915.

Ser. No. 532,479. NIAGARA FIRE INSURANCE COMPANY, New York, N. Y. Filed Aug. 26, 1947. SERVICE MARK.



The mark is a fanciful sketch of Niagara Falls which is lined for shading only.

FOR THE UNDERWRITING BY THE NIAGARA FIRE INSURANCE COMPANY OF THE FOLLOWING CLASSES OF INSURANCE: FIRE INSURANCE; MISCELLANEOUS PROPERTY INSURANCE; WATER DAMAGE INSURANCE; COLLISION INSURANCE; MOTOR VEHICLE AND AIRCRAFT INSURANCE; MARINE INSURANCE; MARINE PROTECTION AND INDEMNITY INSURANCE; REINSURANCE OF RISKS OF EVERY KIND OR DESCRIPTION, EXCEPT LIFE AND ANNUITIES; AND ON RISKS OUTSIDE OF THE UNITED STATES, ITS TERRITORIES AND POSSESSIONS, ALL KINDS OF INSURANCE, EXCEPT LIFE AND ANNUITIES.

Claims use since Jan. 26, 1886.

Ser. No. 577,185. GYRO INTERNATIONAL, Cleveland, Ohio. Filed Apr. 15, 1949. COLLECTIVE SERVICE MARK.

GYRO

FOR STIMULATING AND MAINTAINING INTEREST IN PUBLIC AFFAIRS, CITIZENSHIP AND CIVIC AND COMMUNITY ACTIVITIES AMONG THE MEMBERS OF ITS CLUBS AND FOR RAISING AND DISTRIBUTION OF FUNDS FOR CHARITABLE AND HUMANITARIAN PURPOSES BY ITS MEMBER CLUBS.

Claims use since 1914.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,414. SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND/OR COMBINATIONS THEREOF. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed May 5, 1945, Serial No. 483,039. Published June 14, 1949. Class 39.

443,415. BICYCLES, WHEELBARROWS, AND INFANTS' CRIBS FOR USE IN AUTOMOBILES. OAKES & COMPANY, Chicago, Ill., assignor to Oakes & Company, Chicago, Ill., a corporation of Illinois.
Filed Mar. 7, 1946, Serial No. 497,810. Published July 5, 1949. Class 19.

443,416. COMBINATION TABLE TOP AND CABINET FOR MOTOR VEHICLES, TRAINS, BOATS, AND AIRPLANES. MARGARET S. GAINARRO, doing business as Travenette Company, Dallas, Tex.
Filed Apr. 25, 1946, Serial No. 500,872. Published July 5, 1949. Class 19.

443,417. QUILTED GARMENTS—NAMELY, HOODS, VESTS, TROUSERS, JACKETS, COATS, PARKA COATS FOR ADULTS AND CHILDREN. EDDIE BAUER, doing business as Arctic Feather and Down Company, Seattle, Wash.
Filed Apr. 30, 1946, Serial No. 501,157. Published May 18, 1948. Class 39.

443,418. CENTRIFUGES OTHER THAN CREAM SEPARATORS. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y.
Filed June 8, 1946, Serial No. 503,502. Published June 28, 1949. Class 23.

443,419. MECHANICAL HOISTS USED IN THE DRILLING AND SERVICING OF OIL WELLS. BETHLEHEM SUPPLY COMPANY, Tulsa, Okla.
Filed June 11, 1946, Serial No. 503,629. Published June 21, 1949. Class 23.

443,420. WINDOW WASHER CONSISTING OF A SPONGE, SQUEEGEE, HANDLE, AND A U-SHAPED HANDLE ATTACHMENT ROD. MAX SUNSKES, New York, N. Y., assignor to Wonder Window Washer Mfg. Co., Inc.
Filed July 11, 1946, Serial No. 505,456. Published June 21, 1949. Class 23.

443,421. FARM TRACTORS AND A PRESSURE TYPE MIXING MACHINE OR APPLICATOR CONTAINING A MIXING CHAMBER AND SPRAY HEADS WHICH APPLY MOLASSES TO LIVESTOCK FEEDS. AERCO CORPORATION, Hollydale, Calif., assignor to Adel Precision Products Corp., Los Angeles, Calif., a corporation.
Filed July 24, 1946, Serial No. 506,150. Published June 28, 1949. Class 23.

443,422. SOAP COMPOUNDS FOR APPLICATION TO THE WALLS OF PAINT SPRAY BOOTHS AS A PROTECTIVE COATING TO PREVENT PAINT MATERIAL FROM ADHERING THERETO AND WHICH MAY BE READILY REMOVED BY A WATER SPRAY. HARCO CHEMICAL COMPANY, East Cranford, N. J.
Filed Sept. 4, 1946, Serial No. 508,477. Published June 14, 1949. Class 4.

443,423. AUTOMOBILES, MOTOR BUSES, CARRIAGE BODIES, CHARABANCS, AIRPLANES, HELICOPTERS, GLIDERS, HYDROPLANES, RAILROAD ROLLING STOCK, ETC. MILLION-GUIET-TUBAUTO, Levallois-Parret (Seine), France.
Filed Sept. 20, 1946, Serial No. 509,436. Published July 5, 1949. Class 19.

443,424. CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, WATERPROOF AND RAINPROOF COATS, OVERCOATS, SPORTS JACKETS, FLANNEL TROUSERS, SUITS, GOLF JACKETS, GOLF TROUSERS. BARACUTA (CLOTHIERS) LIMITED, Manchester, England.
Filed Dec. 12, 1946, Serial No. 514,097. Published June 14, 1949. Class 39.

443,425. NON-ALCOHOLIC, MALTLESS FRUIT BEVERAGE. THE GRAPETTE COMPANY, INCORPORATED, Camden, Ark.
Filed Mar. 4, 1947, Serial No. 518,460. Published June 7, 1949. Class 45.

443,426. GROUND ENGAGING DRAG ROD UNITS USED AS AN ATTACHMENT WITH CULTIVATORS. BETTER-BILT MANUFACTURING COMPANY, Minneapolis, Minn.
Filed June 14, 1947, Serial No. 524,171. Published June 28, 1949. Class 23.

443,427. ROUGH PEARLITIC ALLOY CAST IRON FOUNDRY PRODUCTS SHAPED TO BE FINISHED AS MACHINE PARTS, ETC. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed June 27, 1947, Serial No. 525,000. Published May 24, 1949. Class 14.

443,428. UNFINISHED CAST ALLOY STEEL FOUNDRY PRODUCTS SHAPED TO BE FINISHED AS MACHINE PARTS—NAMELY, AS CRUSHER JAWS FOR CRUSHING ORES, ETC. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed June 27, 1947, Serial No. 525,001. Published May 31, 1949. Class 14.

ACT OF 1946, PRINCIPAL REGISTER

515,837. MACHINES FOR MANUFACTURING IN WHOLE OR IN PART WIRE STRAPS USED FOR REINFORCING CARTONS AND PACKAGES IN TRANSPORTATION AND FOR TOOLS USED IN APPLYING SAID STRAPS FOR SERVICE. C. TENNANT, SONS & CO. OF NEW YORK, New York, N. Y.
Original filed, act of 1905, Oct. 6, 1945; amended to application under act of 1946, Principal Register, Mar. 16, 1948, Serial No. 489,542. Published June 28, 1949. Class 23.

515,838. SEATS FOR GRANDSTANDS OR STADIUMS. TULSA CANVAS PRODUCTS COMPANY, Tulsa, Okla.
Original filed, act of 1905, Dec. 11, 1945; amended to application under act of 1946, Principal Register, Sept. 5, 1947, Serial No. 493,082. Published June 21, 1949. Class 32.

515,839. POWER OPERATED GARDEN TRACTORS. BERNARD A. WINTER, doing business under the firm name of Winter Manufacturing Company, Tacoma, Wash.
Original filed, act of 1905, May 6, 1946; amended to application under act of 1946, Principal Register, Jan. 14, 1948, Serial No. 501,550. Published June 21, 1949. Class 28.

515,840. EMULSIFYING AND CLEANSING AGENT FOR USE WITH WATER FOR GENERAL CLEANING PURPOSES. STEDFORD CHEMICAL CO., Fayetteville, N. Y.
Original filed, act of 1905, May 10, 1946; amended to application under act of 1946, Principal Register, Jan. 28, 1948, Serial No. 501,881. Published June 21, 1949. Class 4.

515,841. INCLINABLE POWER PRESSES. JOHNSON MACHINE AND PRESS CORPORATION, Elkhart, Ind.
Original filed, act of 1905, Jan. 26, 1946; amended to application under act of 1946, Principal Register, Sept. 2, 1947, Serial No. 506,321. Published June 28, 1949. Class 23.

515,842. AUTOMOTIVE EQUIPMENT AND ACCESSORIES—NAMELY, LEAF SPRINGS. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif.
Original filed, act of 1905, Aug. 13, 1946; amended to application under act of 1946, Principal Register, Nov. 4, 1947, Serial No. 507,322. Published May 31, 1949. Class 19.

515,843. ELECTRIC THERAPEUTIC DEVICE FOR IMPARTING INFRA RED HEAT TO THE HUMAN BODY. PHYSICAL MEDICINE INSTRUMENT COMPANY, INC., Indianapolis, Ind.
Original filed, act of 1905, Aug. 23, 1946; amended to application under act of 1946, Principal Register, Sept. 11, 1947, Serial No. 507,932. Published June 28, 1949. Class 44.

515,844. SOAPS. PARFUMERIE & SAVONNERIE GILOT SOCIETE ANONYME, Paris, France.
Original filed, act of 1905, Aug. 29, 1946; amended under act of 1946, Principal Register, July 27, 1948. Serial No. 508,237. Published June 14, 1949. Class 4.

515,845. LINOLEUM AND FELT BASE, FLOOR AND WALL COVERINGS, BOTH PIECE GOODS AND RUGS; CORK CARPETS; HARD SURFACED FLOOR AND WALL COVERINGS HAVING A COMPOSITION WEARING SURFACE; PREFABRICATED DECORATIVE INSERTS OF LINOLEUM; LINOLEUM TILE; CORK TILE; RUBBER TILE; ASPHALT TILE; RESILIENT RESIN TILE; AND RESILIENT PLASTIC COMPOSITION TILE. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Original filed, act of 1905, Sept. 5, 1946; amended to application under act of 1946, Principal Register, July 24, 1947, Serial No. 508,507. Published June 28, 1949. Class 20.

515,846. DROP FORGINGS. HARRISBURG STEEL CORPORATION, Harrisburg, Pa.
Original filed, act of 1905, Oct. 21, 1946; amended to application under act of 1946, Principal Register, June 25, 1948, Serial No. 511,215. Published Apr. 26, 1949. Class 14.

515,847. PRINTING PLATES. WALTER R. ARICK, Fort Wayne, Ind.
Original filed, act of 1905, Apr. 24, 1947; amended to application under act of 1946, Principal Register, Mar. 18, 1948, Serial No. 521,234. Published June 28, 1949. Class 50.

515,848. CONCRETE BLOCK MOLDING MACHINERY. J. W. APPLEY & SON, INC., St. Petersburg, Fla.
Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Principal Register, Nov. 4, 1947, Serial No. 521,309. Published June 21, 1949. Class 23.

515,849. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,427. Published June 21, 1949. Class 17.

515,850. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,428. Published June 21, 1949. Class 17.

515,851. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,429. Published June 14, 1949. Class 17.

515,852. PLUG AND TWIST TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,436. Published June 14, 1949. Class 17.

515,853. HAND TRUCKS AND WHEELS THEREFOR. FRANK E. GAINES, doing business as Aerol Co., Los Angeles, Calif., assignor to Aerol Co. Inc., Los Angeles, Calif., a corporation of California.
Filed July 5, 1947, Serial No. 526,668. Published June 7, 1949. Class 19.

515,854. MALTED MILK, IN POWDER AND TABLET FORM OF VARIOUS FLAVORS. HORLICKS CORPORATION, Racine, Wis.
Filed July 5, 1947, Serial No. 526,968. Published June 14, 1949. Class 46.

515,855. PORTABLE AND STATIONARY PUMPING APPARATUS FOR LUBRICANTS AND OTHER FLUIDS—NAMELY, LUBRICANT PUMPS, LUBRICANT GUNS, AND PRESSURE-FLUID DISTRIBUTION SYSTEMS. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,144. Published June 21, 1949. Class 23.

515,856. HAMMERMILLS. DIXIE MACHINERY MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,771. Published June 21, 1949. Class 23.

515,857. LADIES' COATS, SUITS, DRESSES, AND HATS. H. L. BUEHLER, Hubbard Woods, Ill.
Filed July 5, 1947, Serial No. 527,857. Published June 14, 1949. Class 39.

515,858. FERTILIZER. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,408. Published June 28, 1949. Class 10.

515,859. LIQUID FUEL TANKS USED FOR STORAGE PURPOSES. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind.
Filed July 15, 1947, Serial No. 528,660. Published June 21, 1949. Class 2.

515,860. AUTOMOTIVE VEHICLE LIFTS AND RECIPROCATING JACKS TO IMPROVE THE SERVICING AND THE LUBRICATING OF SAID VEHICLES. THE UNITED STATES AIR COMPRESSOR COMPANY, Cleveland, Ohio.
Filed July 26, 1947, Serial No. 529,730. Published June 28, 1949. Class 23.

515,861. FERTILIZER. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,851. Published June 21, 1949. Class 10.

515,862. COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,858. Published June 14, 1949. Class 4.

515,863. BEER. LA CIGOGNE DE STRASBOURG, G. & L. STEIN, SOCIETE A RESPONSABILITE LIMITEE, Schiltigheim (Bas-Rhin), France.
Filed July 29, 1947, Serial No. 529,937. Published June 21, 1949. Class 48.

515,864. CEMENTED CARBIDE CUTTING TOOL TIPS AND CUTTING TOOLS INCORPORATING THE SAME, ETC. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y.
Filed July 31, 1947, Serial No. 530,064. Published July 5, 1949. Class 23.

515,865. NON-INFLAMMABLE DRY CLEANING FLUID. THE FLEISCHER MILLS, INC., Cincinnati, Ohio.
Filed Aug. 1, 1947, Serial No. 530,183. Published June 14, 1949. Class 4.

515,866. FLUID MILK AND CREAM. GOLDEN GUERNSEY, INC., Peterborough, N. H.
Filed Aug. 1, 1947, Serial No. 530,190. Published June 28, 1949. Class 46.

515,867. FLUID MILK AND CREAM. GOLDEN GUERNSEY, INC., Peterborough, N. H.
Filed Aug. 1, 1947, Serial No. 530,191. Published June 28, 1949. Class 46.

515,868. MATTRESSES AND BOX SPRINGS. SPRING-AIR COMPANY, Holland, Mich.
Filed Aug. 4, 1947, Serial No. 530,444. Published June 21, 1949. Class 32.

515,869. FERTILIZERS. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed Aug. 5, 1947, Serial No. 530,474. Published May 3, 1949. Class 10.

515,870. CHOCOLATE COATING (LIQUOR) FOR FOOD PURPOSES. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Lititz, Pa.
Filed Aug. 6, 1947, Serial No. 530,691. Published June 21, 1949. Class 46.

515,871. POWER OPERATED LAWN MOWERS. BEAZLEY POWER MOWER CO., St. Petersburg, Fla.
Filed Aug. 7, 1947, Serial No. 530,709. Published June 28, 1949. Class 23.

515,872. HAND BRAKES FOR RAILWAY CARS. W. H. MINER, INC., Chicago, Ill.
Filed Aug. 8, 1947, Serial No. 530,833. Published July 5, 1949. Class 19.

515,873. MACHINE TOOLS—NAMELY, AUTOMATIC CHUCKING AND TURNING LATHES AND PARTS THEREOF, CUTTING TOOLS FOR LATHES AND TOOL HOLDERS THEREFOR. POTTER AND JOHNSTON MACHINE COMPANY, Pawtucket, R. I., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey.
Filed Aug. 8, 1947, Serial No. 530,843. Published July 5, 1949. Class 23.

515,874. AUTOMOBILES. THE STUDEBAKER CORPORATION, South Bend, Ind.
Filed Aug. 12, 1947, Serial No. 531,159. Published July 5, 1949. Class 19.

515,875. CLEANERS AND SOLVENTS FOR CLEANING SURFACE OF RUBBER ARTICLES PREPARATORY TO MENDING OR PATCHING. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,603. Published June 14, 1949. Class 4.

515,876. NONALCOHOLIC MALTLESS, NON-FRUIT-JUICE BEVERAGE SOLD AS A SOFT DRINK—VIZ., A COLA, AND A CONCENTRATE OR EXTRACT FOR MAKING THE SAME. NEHI CORPORATION, Columbus, Ga.
Filed Sept. 2, 1947, Serial No. 533,044. Published June 7, 1949. Class 45.

515,877. HAND OPERATED PUNCHES FOR STATIONERY OF THE OFFICE VARIETY. BOORUM & PEASE COMPANY, Brooklyn, N. Y.
Filed Sept. 3, 1947, Serial No. 533,132. Published June 28, 1949. Class 23.

515,878. UNDERWEAR FOR MEN, WOMEN, BOYS, AND GIRLS. MARKOVITS BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed Aug. 18, 1947, Serial No. 533,487. Published June 14, 1949. Class 39.

515,879. GOLF CLUB GRIP CONDITIONER IN THE FORM OF A LIQUID COATING TO BE APPLIED TO SUCH GRIPS AND WHICH PROVIDES A TACKY FEEL AND KEEPS THE LEATHER SOFT. KENNETH SMITH, Kansas City, Mo.
Filed Sept. 22, 1947, Serial No. 535,267. Published June 28, 1949. Class 4.

515,880. MEN'S AND BOYS' SUITS AND OVERCOATS. FASHION PARK, INC., Rochester, N. Y.
Filed Sept. 23, 1947, Serial No. 535,311. Published June 14, 1949. Class 39.

515,881. DRY-CLEANING MECHANISM AND APPARATUS—NAMELY, DRY-CLEANING WASHERS, DRYING TUMBLERS, AND EXTRACTORS, AND FILTERS AND STILLS FOR USE AS A PART OF DRY-CLEANING APPARATUS, AND PARTS THEREOF. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed Sept. 23, 1947, Serial No. 535,371. Published June 14, 1949. Class 24.

515,882. HOSIERY. LAROS TEXTILES COMPANY, Bethlehem, Pa.
Filed Sept. 25, 1947, Serial No. 535,718. Published June 14, 1949. Class 39.

515,883. IRON STORAGE HOLDERS FOR FLAT IRONS. WIL-STAN PRODUCTS COMPANY, Akron, Ohio.
Filed Sept. 27, 1947, Serial No. 536,023. Published June 14, 1949. Class 24.

515,884. BELTS AND BUCKLES FOR HOLDING UP TROUSERS. HOOK-FAST SPECIALTIES, INC., Providence, R. I.
Filed Sept. 29, 1947, Serial No. 536,086. Published June 14, 1949. Class 39.

515,885. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed Oct. 1, 1947, Serial No. 536,472. Published July 5, 1949. Class 19.

515,886. COMBINED VEHICLE BUMPER AND TRAILER HITCH. CLAUDE R. PERRY, doing business as the Perry Company, Waco, Tex.
Filed Oct. 7, 1947, Serial No. 537,078. Published July 5, 1949. Class 19.

515,887. ROLLER CONVEYORS FOR TRANSPORTING GOODS BY GRAVITY OR HAND PROPULSION AND PARTS OF SUCH CONVEYORS. LYON METAL PRODUCTS, INCORPORATED, Aurora, Ill.
Filed Oct. 8, 1947, Serial No. 537,208. Published June 28, 1949. Class 23.

515,888. TOILET SOAP. PITKIN, INC., Newark, N. Y.
Filed Oct. 9, 1947, Serial No. 537,352. Published June 14, 1949. Class 4.

515,889. HUMUS MIXTURE FOR SOIL IMPROVEMENT. FRED O. ENGLE, doing business as Englewood Farm-Nursery, Muskegon, Mich.
Filed Oct. 17, 1947, Serial No. 538,114. Published June 21, 1949. Class 10.

515,890. MECHANICALLY OPERATED SEPARATOR OR GAS TRAP. PIPE FABRICATING & SUPPLY CO., Los Angeles, Calif.
Filed Oct. 18, 1947, Serial No. 538,312. Published July 5, 1949. Class 23.

515,891. FRESH GRAPES—NAMELY, ALICANTES. A. BOVA, Manteca, Calif.
Filed Oct. 3, 1947, Serial No. 538,339. Published June 14, 1949. Class 46.

515,892. CHILDREN'S COMBINATION HIGH CHAIR AND CAR SEAT AND CHILDREN'S EASY CHAIRS FOR USE IN THE HOME. E-V SUPPLY CO. INC., Wellington, Kans.
Filed Oct. 23, 1947, Serial No. 538,739. Published July 5, 1949. Class 32.

515,893. THREADING MACHINES AND TURRET LATHES. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Oct. 25, 1947, Serial No. 539,075. Published July 5, 1949. Class 23.

515,894. METAL BI-PASSING DOORS, DOOR FRAMES, WINDOWS, WINDOW FRAMES, AND AUXILIARY STEEL PARTITIONS. VIRGINIA METAL PRODUCTS CORPORATION, Orange, Va.
Filed Oct. 28, 1947, Serial No. 539,371. Published May 24, 1949. Class 12.

515,895. MEN'S HALF HOSE, MEN'S KNIT UNDERWEAR, AND MEN'S OUTERWEAR—NAMELY, SWEATERS, SPORT COATS, SPORT SHIRTS, AND SPORT VESTS. WINSTED HOSIERY COMPANY, Winsted, Conn.
Filed July 17, 1947, Serial No. 539,836. Published June 14, 1949. Class 39.

515,896. TRAILERS USED FOR HAULING AUTOMOBILES. WHITEHEAD & KALES COMPANY, Detroit, Mich.
Filed Nov. 3, 1947, Serial No. 540,003. Published Jan. 4, 1949. Class 19.

515,897. COFFEE FLAVORED MALTLESS SOFT DRINK. CHARLES A. DIEMAN, Lanham, Md.
Filed Nov. 4, 1947, Serial No. 540,049. Published June 28, 1949. Class 45.

515,898. INDUSTRIAL TRUCKS AND TRAILERS WHICH ARE USED TO TRANSPORT MATERIALS AND ARE ADAPTED TO BE MOVED MANUALLY OR BY A SUITABLE TRACTOR. THE OHIO GALVANIZING & MANUFACTURING COMPANY, Niles, Ohio.
Filed Nov. 4, 1947, Serial No. 540,100. Published July 5, 1949. Class 19.

515,899. PLAY YARDS AND PENS. THAYER, INC., Gardner, Mass.
Filed Nov. 10, 1947, Serial No. 540,738. Published June 21, 1949. Class 32.

515,900. DENTAL ARTICULATORS. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,791. Published June 7, 1949. Class 44.

515,901. BACTERIAL INOCULANTS FOR LEGUMINOUS PLANTS. KALO INOCULANT COMPANY, Quincy, Ill.
Filed Nov. 12, 1947, Serial No. 540,827. Published June 21, 1949. Class 10.

515,902. CANDIES. DONALD A. RAND, doing business as Story Book Farm Co., Hampton, N. H.
Filed Nov. 12, 1947, Serial No. 540,871. Published June 14, 1949. Class 46.

515,903. SINGLE SERVICE, DISPOSABLE ONE-PIECE WOODEN SPOONS HAVING A SMALL BOWL AND A HANDLE, SIMILAR TO CONVENTIONAL METAL WARE. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y.
Filed Nov. 14, 1947, Serial No. 541,173. Published June 28, 1949. Class 23.

515,904. SINGLE SERVICE, DISPOSABLE ONE-PIECE WOODEN FORKS HAVING A SMALL BOWL WITH THREE TINES AND A HANDLE, SIMILAR TO CONVENTIONAL METAL WARE. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y.
Filed Nov. 14, 1947, Serial No. 541,174. Published June 28, 1949. Class 23.

515,905. DRIED SHRIMP. BLUM & BERGERON, Houma, La.
Filed Nov. 18, 1947, Serial No. 541,500. Published June 14, 1949. Class 46.

515,906. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed Nov. 18, 1947, Serial No. 541,588. Published June 14, 1949. Class 17.

515,907. CARBONATED BEVERAGE—NAMELY, CLUB SODA. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y.
Filed Nov. 19, 1947, Serial No. 541,628. Published May 31, 1949. Class 45.

515,908. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed Nov. 24, 1947, Serial No. 542,079. Published Aug. 24, 1948. Class 17.

515,909. OUTDOOR FURNITURE—NAMELY, GLIDERS, CHAIRS, ROCKERS, AND SETTEES. BUNTING GLIDER COMPANY, Philadelphia, Pa.
Filed Nov. 25, 1947, Serial No. 542,275. Published June 21, 1949. Class 32.

515,910. OUTDOOR FURNITURE—NAMELY, GLIDERS, CHAIRS, ROCKERS, AND SETTEES. BUNTING GLIDER COMPANY, Philadelphia, Pa.
Filed Nov. 25, 1947, Serial No. 542,276. Published June 21, 1949. Class 32.

515,911. DEVICES AND APPARATUS FOR FACILITATING THE ADJUSTMENTS OF THE BEAM OF X-RAY MACHINES AND RADIOGRAPHIC EQUIPMENT FOR DIAGNOSTIC AND THERAPEUTIC USES. WRIGHT ENGINEERING COMPANY, Mountain Lakes, N. J.
Filed Nov. 26, 1947, Serial No. 542,496. Published June 7, 1949. Class 44.

515,912. HANDKERCHIEFS. DAVIS & CATTERALL, New York, N. Y.
Filed Nov. 28, 1947, Serial No. 542,541. Published Apr. 19, 1949. Class 39.

515,913. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF HEMORRHOIDS. FRANKLIN LABORATORIES, INC., Englewood, N. J.
Filed Nov. 29, 1947, Serial No. 542,758. Published June 21, 1949. Class 6.

515,914. BUMPER GUARDS, GRILLE GUARDS, FENDER GUARDS, TRUNK GUARDS, AND SIDE-VIEW MIRRORS FOR AUTOMOTIVE VEHICLES. ERIE MANUFACTURING CO., INC., Chicago, Ill.
Filed Dec. 3, 1947, Serial No. 543,155. Published July 5, 1949. Class 19.

515,915. DAVENPORT AND COUCH COVER. EDSON, INCORPORATED, Chicago, Ill.
Filed Dec. 4, 1947, Serial No. 543,285. Published June 21, 1949. Class 32.

515,916. LADIES' PAJAMAS. HOLLIDAY PAJAMAS, INC., New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,449. Published June 14, 1949. Class 39.

515,917. PIECE GOODS OF WOOL AND WORSTED. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, England.
Filed Dec. 8, 1947, Serial No. 543,693. Published Apr. 19, 1949. Class 42.

515,918. PIECE GOODS OF WOOL AND WORSTED FOR MAKING UP INTO CLOTHING. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, England.
Filed Dec. 8, 1947, Serial No. 543,695. Published Apr. 19, 1949. Class 42.

515,919. BEER. PABST BREWING COMPANY, Milwaukee, Wis.
Filed Dec. 8, 1947, Serial No. 543,733. Published May 24, 1949. Class 48.

515,920. BEER. PABST BREWING COMPANY, Milwaukee, Wis.
Filed Dec. 8, 1947, Serial No. 543,734. Published June 28, 1949. Class 48.

515,921. JUVENILE FURNITURE—NAMELY, COMBINATION CHAIR AND TABLE. BAKRAFT PRODUCTS COMPANY, Muskegon, Mich.
Filed Dec. 11, 1947, Serial No. 544,029. Published June 21, 1949. Class 32.

515,922. AIR REFRESHANT PREPARATION FOR USE IN ELIMINATING UNPLEASANT ODORS. THE DEB COMPANY, West Hartford, Conn.
Filed Dec. 11, 1947, Serial No. 544,063. Published June 21, 1949. Class 6.

515,923. MEDICINAL PREPARATIONS—NAMELY, RECTAL SUPPOSITORIES FOR USE IN THE TREATMENT OF HAY FEVER AND ASTHMA. ANGIER CHEMICAL COMPANY, Allston and Boston, Mass.
Filed Dec. 13, 1947, Serial No. 544,243. Published June 7, 1949. Class 6.

515,924. LADIES', MISSES', BOYS', AND GIRLS' SWEATERS AND POLO SHIRTS. CARL GUTMANN & Co., INC., New York, N. Y.
Filed Dec. 15, 1947, Serial No. 544,343. Published June 14, 1949. Class 39.

515,925. OUTER SHIRTS. C. F. HATHAWAY Co., Waterville, Maine.
Filed Dec. 16, 1947, Serial No. 544,447. Published June 14, 1949. Class 39.

515,926. LAGER BEER. JOHN F. TROMMER, INC., Brooklyn, N. Y.
Filed Dec. 17, 1947, Serial No. 544,619. Published June 21, 1949. Class 48.

515,927. CREAM USED FOR EASING OF TEETHING PAINS AND PAINFUL GUMS. VELVET PHARMACEUTICAL PRODUCTS CO., INC., also doing business as Velvet Products Co., New York, N. Y.
Filed Dec. 18, 1947, Serial No. 544,796. Published June 28, 1949. Class 6.

515,928. LADIES' AND MISSES' SWEATERS AND SWEATER ENSEMBLES COMPRISING A SLIP-OVER SWEATER AND A CARDIGAN. RO-NAT SPORTSWEAR CO., INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,907. Published June 14, 1949. Class 39.

515,929. STEEL FORGINGS AND ALUMINUM FORGINGS. MUELLER Co., Decatur, Ill.
Filed Dec. 22, 1947, Serial No. 545,149. Published May 24, 1949. Class 14.

515,930. SMALL POWER DRIVEN MACHINE TOOLS AND PARTS THEREOF—NAMELY, SMALL BENCH SAWS, SAW BLADES, DADO HEADS, AND SAW BLADE AND GRINDING WHEEL BUSHINGS. THE SOHI TOOL COMPANY, Oshkosh, Wis.
Filed Dec. 22, 1947, Serial No. 545,178. Published July 5, 1949. Class 23.

515,931. SCARFS AND MUFFLERS. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,401. Published June 14, 1949. Class 39.

515,932. BOYS' POLO SHIRTS. BARCLAY KNITWEAR Co., INC., Kingston and New York, N. Y.
Filed Dec. 26, 1947, Serial No. 545,422. Published June 14, 1949. Class 39.

515,933. MECHANICAL BURGLAR ALARMS, HAVING MECHANICAL SIRENS. L. A. KLING, JR., Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,489. Published June 21, 1949. Class 23.

515,934. OUTER SHIRTS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,702. Published June 14, 1949. Class 39.

515,935. COLLARS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,704. Published June 14, 1949. Class 39.

515,936. OUTER SHIRTS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,705. Published June 14, 1949. Class 39.

515,937. OUTER SHIRTS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,706. Published June 14, 1949. Class 39.

515,938. OUTER SHIRTS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,710. Published June 14, 1949. Class 39.

515,939. COLLARS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,712. Published June 14, 1949. Class 39.

515,940. COLLARS FOR MEN AND BOYS. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,713. Published June 14, 1949. Class 39.

515,941. CAULKING COMPOUNDS, WATERPROOFING COMPOUNDS OF IRREVERSIBLE INORGANIC GELS FOR IMPREGNATING MASONRY SURFACES AND BINDING THEREWITH, METALLIC POWDERED HARDENERS FOR UNSET CONCRETE FLOORS FOR APPLICATION AND INCORPORATION THEREIN BY DUSTING THEREWITH AND TROWELING AND BY SIMILAR METHODS. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Dec. 30, 1947, Serial No. 545,789. Published June 28, 1949. Class 12.

515,942. CARBONATED BEVERAGES — NAMELY, SPARKLING WATER, ETC. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y.
Filed Dec. 31, 1947, Serial No. 545,808. Published May 31, 1949. Class 45.

515,943. RAILWAY CAR SPRINGS, DAMPERS, SNUBBERS, COUPLERS, AND BRAKE RIGGING AND PARTS THEREOF—NAMELY, BRAKE HEADS, ETC. AMERICAN STEEL FOUNDRIES, Chicago, Ill.
Filed Dec. 31, 1947, Serial No. 545,809. Published June 7, 1949. Class 19.

515,944. COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS. HART SCHAFFNER & MARX, Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 546,047. Published June 14, 1949. Class 39.

515,945. COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS. HART SCHAFFNER & MARX, Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 546,048. Published June 14, 1949. Class 39.

515,946. BLOCK OR TRAY USED FOR HOLDING A ROAST OF MEAT OR FOWL TO BE CARVED. HORACE P. WELLS, doing business as Welco Co., South Bend, Ind.
Filed Jan. 2, 1948, Serial No. 546,074. Published June 28, 1949. Class 23.

515,947. MEN'S AND BOYS' LEATHER SHOES, HATS, AND CAPS, JACKETS, AND OUTER SHIRTS. R. H. MACY & Co., INC., New York, N. Y.
Filed Jan. 5, 1948, Serial No. 546,228. Published June 14, 1949. Class 39.

515,948. DOG FOOD AND YEAST MASH, ETC. HARPER FEED MILLS, Washington, Pa.
Filed Jan. 8, 1948, Serial No. 546,495. Published June 21, 1949. Class 46.

515,949. IMPLEMENTS FOR HOLDING AND SCALING FISH IN THE CLEANING THEREOF. RAYMOND H. HOBROCK, Birmingham, Mich.
Filed Jan. 8, 1948, Serial No. 546,496. Published June 28, 1949. Class 23.

515,950. SWEAT SHIRTS. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed Jan. 10, 1948, Serial No. 546,723. Published June 14, 1949. Class 39.

515,951. SMOKING TOBACCO. SUTLIFF TOBACCO COMPANY, San Francisco, Calif.
Filed Jan. 13, 1948, Serial No. 546,885. Published June 21, 1949. Class 17.

515,962. THERMOSTATIC BIMETALS. THE H. A. WILSON COMPANY, Newark, N. J.
Filed Jan. 14, 1948, Serial No. 547,069. Published June 7, 1949. Class 14.

515,963. MEN'S AND BOYS' PANTS AND OUTER SHIRTS, AND LADIES' WESTERN STYLE PANTS, SHIRTS, JACKETS, AND SLACKS. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex.
Filed Jan. 16, 1948, Serial No. 547,237. Published June 14, 1949. Class 39.

515,964. COFFEE SYRUP FOR USE IN MIXING NON-ALCOHOLIC MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS. FREDERIC LEFKOWITS, doing business as Yeah Man Products Co., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,354. Published May 31, 1949. Class 45.

515,965. SCREENS OR PLATES ADAPTED FOR USE IN CONNECTION WITH THE READING OR VIEWING OF X-RAY FILMS OR X-RAY PLATES BY PHYSICIANS, SURGEONS, AND DENTISTS. SIMON BACHE & COMPANY, New York, N. Y.
Filed Sept. 20, 1947, Serial No. 547,388. Published June 7, 1949. Class 44.

515,956. CANNED PINEAPPLE, CANNED CORN, AND CANNED HOMINY. HALE-HALSELL COMPANY McAlester, Okla.
Filed Jan. 19, 1948, Serial No. 547,448. Published June 21, 1949. Class 46.

515,957. CIGARS. A. SENSENBRENNER SONS, Los Angeles, Calif.
Filed Jan. 19, 1948, Serial No. 547,489. Published June 14, 1949. Class 17.

515,958. WATER RESISTING AND LEATHER MELLOWING COMPOUND. MANUFACTURING LABORATORIES, INC., Boston, Mass.
Filed Jan. 20, 1948, Serial No. 547,564. Published June 28, 1949. Class 4.

515,959. PAPER BAGS. GULF STATES PAPER CORPORATION, Tuscaloosa, Ala.
Filed Jan. 21, 1948, Serial No. 547,631. Published June 21, 1949. Class 2.

515,960. BOOTS, SHOES, AND OXFORDS MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. W. B. COON COMPANY, Rochester, N. Y.
Filed Jan. 22, 1948, Serial No. 547,700. Published June 14, 1949. Class 39.

515,961. KNIT GOODS FOR MEN, WOMEN AND CHILDREN—NAMELY, POLO SHIRTS, SWEAT SHIRTS, SWEATERS, AND KNIT UNDERWEAR. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed Jan. 24, 1948, Serial No. 547,933. Published June 14, 1949. Class 39.

515,962. MANUALLY OPERATED DOLLIES AND HAND TRUCKS AND PARTS THEREFOR. THE GLOBE COMPANY, Chicago, Ill.
Filed Jan. 27, 1948, Serial No. 548,067. Published July 5, 1949. Class 19.

515,963. KEYS, LOCKS, AND PARTS THEREOF INCLUDING LOCK TUMBLERS, CYLINDERS, SPRINGS, HANDLES, PICKS, CAMS, AND PAWLS. HAROLD HOFFMAN, doing business as H. Hoffman Co., Chicago, Ill.
Filed Jan. 27, 1948, Serial No. 548,077. Published June 21, 1949. Class 25.

515,964. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 548,456. Published June 14, 1949. Class 4.

515,965. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 548,462. Published June 28, 1949. Class 4.

515,966. GRIT HAND SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 548,464. Published June 28, 1949. Class 4.

515,967. HYDRAULIC PRESSES. AMERICAN STEEL FOUNDRIES, Chicago, Ill.
Filed Feb. 3, 1948, Serial No. 548,627. Published June 21, 1949. Class 23.

515,968. MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S, AND INFANTS' OVERCOATS, TOPCOATS, COATS, SUITS, VESTS, TROUSERS, SLACKS, CLOAKS, CAPES, COAT SETS, AND LEGGING SETS, ALL MADE OF TEXTILE FABRICS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed Feb. 5, 1948, Serial No. 548,802. Published June 14, 1949. Class 39.

515,969. MEMORANDUM PADS. NICHOLAS MARLOW, doing business as Marlow Products, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,821. Published June 7, 1949. Class 37.

515,970. HOSIERY. DELAWARE HOSIERY MILLS, INC., Philadelphia, Pa.
Filed Feb. 6, 1948, Serial No. 548,938. Published June 14, 1949. Class 39.

515,971. CORE BOXES AND DRYER SHELLS FOR THE SAND CASTING INDUSTRY. HARRY J. JACOBSON, doing business as Industrial Pattern Works, Chicago, Ill.
Filed Feb. 7, 1948, Serial No. 549,075. Published June 21, 1949. Class 23.

515,972. LADIES' HOSIERY. BELVEDERE HOSIERY COMPANY, Charlotte, N. C.
Filed Feb. 9, 1948, Serial No. 549,112. Published June 14, 1949. Class 39.

515,973. MATTRESSES AND BOX SPRINGS. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio.
Filed Nov. 18, 1947, Serial No. 549,374. Published June 21, 1949. Class 32.

515,974. DENTAL SUPPLIES AND APPLIANCES—NAMELY, PORCELAIN FOR USE IN FILLING TEETH AND FOR PRODUCING DENTAL CROWNS AND INLAYS, ETC. THE L. D. CAULK COMPANY, Milford, Del.
Filed Nov. 28, 1947, Serial No. 549,396. Published May 24, 1949. Class 44.

515,975. PADS MADE OF RUBBER AND METAL FOR AUTOMOBILE ACCELERATOR, BRAKE, CLUTCH, AND STARTER PEDALS. DOAN MANUFACTURING CORP., East Cleveland, Ohio.
Filed Feb. 12, 1948, Serial No. 549,520. Published July 5, 1949. Class 19.

515,976. WHEAT FLOUR (PLAIN AND SELF-RISING BAKERY AND FAMILY). KING MILLING COMPANY, Lowell, Mich.
Filed Feb. 12, 1948, Serial No. 549,552. Published June 21, 1949. Class 46.

515,977. ANTI-FRICTION BEARINGS. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind.
Filed Feb. 12, 1948, Serial No. 549,558. Published July 5, 1949. Class 23.

515,978. LADIES' AND MISSES' SHOES OF LEATHER AND FABRIC. TOWN AND COUNTRY SHOES, INC., Sedalia, Mo.
Filed Feb. 14, 1948, Serial No. 549,765. Published June 14, 1949. Class 39.

515,979. CANNED CHICKEN. CALCUTTA CLUB PRODUCTS, INC., New York, N. Y.
Filed Feb. 16, 1948, Serial No. 549,862. Published June 21, 1949. Class 46.

515,980. WOMEN'S HOSIERY. CARMINE C. BONANNI, doing business as Embassy Hosiery Sales, Philadelphia, Pa.
Filed Feb. 19, 1948, Serial No. 550,115. Published June 14, 1949. Class 39.

515,981. MEN'S SPORT SHIRTS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed Feb. 20, 1948, Serial No. 550,246. Published June 14, 1949. Class 39.

515,982. HOSIERY. APEX HOSIERY COMPANY, Philadelphia, Pa.
Filed Feb. 21, 1948, Serial No. 550,289. Published June 14, 1949. Class 39.

515,983. HOSIERY. APEX HOSIERY COMPANY, Philadelphia, Pa.
Filed Feb. 21, 1948, Serial No. 550,291. Published June 14, 1949. Class 39.

515,984. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES, AND WOMEN'S COATS, OVERCOATS, TOPCOATS, AND SKIRTS. HART SCHAFFNER & MARX, Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,408. Published June 14, 1949. Class 39.

515,985. PURE CANE SUGAR. THE SOUTH COAST CORPORATION, New Orleans, La.
Filed Feb. 25, 1948, Serial No. 550,564. Published June 21, 1949. Class 46.

515,986. CANDY. HOLLYWOOD BRANDS, INC., doing business under the name Hollywood Candy Co., Centralia, Ill.
Filed Feb. 27, 1948, Serial No. 550,694. Published June 14, 1949. Class 46.

515,987. CAKE. FARM CREST BAKERIES, INC., Detroit, Mich.
Filed Mar. 1, 1948, Serial No. 550,907. Published June 21, 1949. Class 46.

515,988. WOMEN'S SLIPPERS, MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. CAPEZIO, INC., New York, N. Y.
Filed Mar. 2, 1948, Serial No. 550,994. Published June 14, 1949. Class 39.

515,989. SNOW SUITS, SKI SUITS, SKI PANTS AND JACKETS. ROSEN & BARNES MANUFACTURING CO., Chicago, Ill., and Minneapolis, Minn.
Filed Mar. 3, 1948, Serial No. 551,137. Published June 14, 1949. Class 39.

515,990. ROLL ROOFING, ASPHALT SHINGLES, ASPHALT AND FIBRE CEMENTS IN PLASTIC AND LIQUID FORM FOR ROOFING AND SIMILAR PURPOSES, OVERLAP ROOFING CEMENT AND ASPHALTUM, WATERPROOFING AND CORROSION RESISTING COMPOUNDS. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Mar. 5, 1948, Serial No. 551,254. Published June 7, 1949. Class 12.

515,991. THIN, CRISP, EDIBLE STRIPS MADE PRINCIPALLY FROM CORN MEAL. SELECT PRODUCTS COMPANY, Irwin, Pa.
Filed Mar. 6, 1948, Serial No. 551,411. Published June 21, 1949. Class 46.

515,992. LADIES' COATS, SUITS, JACKETS, AND SKIRTS. COURTSHIRE FASHIONS, INC., New York, N. Y.
Filed Mar. 8, 1948, Serial No. 551,441. Published June 14, 1949. Class 39.

515,993. ALUMINUM IN POWDER OR PASTE FORM. ENGLISH METAL POWDER COMPANY LIMITED, London, and West Drayton, England.
Filed Mar. 9, 1948, Serial No. 551,547. Published May 31, 1949. Class 14.

515,994. CALCIUM CHLORIDE COMPOUND. FARBY & BESTHOFF, INC., New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,882. Published June 28, 1949. Class 6.

515,995. DRILLING MUD. INDIAN DRILLING MUD CO., INC., Britton, Okla.
Filed Mar. 15, 1948, Serial No. 551,973. Published June 28, 1949. Class 1.

515,996. FERTILIZER AND PLANT FOOD. KAW RIVER VALLEY FERTILIZER CO., Lawrence, Kans., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois.
Filed Mar. 15, 1948, Serial No. 551,981. Published Dec. 28, 1948. Class 10.

515,997. TRAVELING BAGS. L-U-C-E MANUFACTURING COMPANY, doing business as Lucky Tripper Company, Kansas City, Mo.
Filed Mar. 15, 1948, Serial No. 551,984. Published Mar. 29, 1949. Class 3.

515,998. EGGS. WEKSLER EGG CO., Los Angeles, Calif.
Filed Mar. 15, 1948, Serial No. 552,027. Published June 21, 1949. Class 46.

515,999. DIAMOND IN POWDER AND PASTE FORM, USED IN THE MANUFACTURE OF DIAMOND AND TUNGSTEN CARBIDE WIRE DRAWING DIES, ETC. UNITED STATES INDUSTRIAL DIAMOND CORPORATION, New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,099. Published June 28, 1949. Class 1.

516,000. SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,108. Published June 14, 1949. Class 17.

516,001. TOILET SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed Mar. 17, 1948, Serial No. 552,121. Published June 28, 1949. Class 4.

516,002. SLIP COVERS FOR GLIDERS, CHAIR RECOVERS, CUSHIONS, PILLOWS, CHAIR PADS. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed Mar. 18, 1948, Serial No. 552,233. Published June 21, 1949. Class 32.

516,003. EARTHENWARE FOR TABLE SERVICE. THE HOMER LAUGHLIN CHINA COMPANY, Newell, W. Va.
Filed Mar. 18, 1948, Serial No. 552,243. Published June 7, 1949. Class 30.

516,004. FLOUR BOLTERS. NORVELL-WILLIAMS, INC., Kansas City, Mo.
Filed Mar. 18, 1948, Serial No. 552,261. Published June 28, 1949. Class 23.

516,005. METALLIC MOLDING STRIPS AND TRIM ELEMENTS FOR USE IN CONNECTION WITH HARDBOARD AND OTHER SHEET-LIKE WALL COVERING. THE COLOTEYM COMPANY, Seattle, Wash.
Filed Mar. 19, 1948, Serial No. 552,439. Published June 14, 1949. Class 12.

516,006. KITCHEN IMPLEMENT FOR REMOVING THE WIRE FROM THE TOPS OF MILK BOTTLES AND FOR REMOVING THE CAPS FROM MILK BOTTLES, JARS, TINS, BOXES, AND THE LIKE. DONALD WOOD, doing business under the name and style of Hill Cross Company, New York, N. Y.
Filed Feb. 28, 1948, Serial No. 552,535. Published June 21, 1949. Class 23.

516,007. COMPLETE UPWARD-ACTING DOOR INSTALLATIONS COMPRISING DOOR AND HARDWARE. CRAWFORD DOOR COMPANY, Detroit, Mich.
Filed Mar. 20, 1948, Serial No. 552,576. Published June 7, 1949. Class 12.

516,008. WOOD SPLINT SHADES AND VENETIAN BLINDS. HOUGH SHADE CORPORATION, Janesville, Wis.
Filed Mar. 25, 1948, Serial No. 552,973. Published June 21, 1949. Class 32.

516,009. MATTRESSES. LOGAN CO., Louisville, Ky.
Filed Mar. 25, 1948, Serial No. 552,993. Published July 5, 1949. Class 32.

516,010. HOSIERY. YORKSHIRE HOSIERY COMPANY, York, Pa.
Filed Mar. 25, 1948, Serial No. 553,046. Published June 14, 1949. Class 39.

516,011. CIGARETTES. FLEMING-HALL TOBACCO CO., INC., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,094. Published June 14, 1949. Class 17.

516,012. MATTRESSES. THE CHAS. A. MAISH CO., Cincinnati, Ohio.
Filed Mar. 31, 1948, Serial No. 553,498. Published June 21, 1949. Class 32.

516,013. SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,664. Published June 14, 1949. Class 17.

516,014. SHIRT FINISHING APPLIANCES. THE KEY-TAG CHECKING SYSTEM COMPANY, Cleveland, Ohio.
Filed Apr. 2, 1948, Serial No. 553,714. Published June 21, 1949. Class 24.

516,015. CIGARS, SMOKING AND CHEWING TOBACCO. ROTHENBERG & SCHLOSS CIGAR COMPANY, Kansas City, Mo.
Filed Apr. 5, 1948, Serial No. 553,906. Published June 21, 1949. Class 17.

516,016. HIGH CHAIRS AND CRIB MATTRESSES. SCHARCO MANUFACTURING COMPANY, INC., New York, N. Y.
Filed Apr. 7, 1948, Serial No. 554,046. Published July 5, 1949. Class 32.

516,017. CLOTHES PINS. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Apr. 8, 1948, Serial No. 554,088. Published June 21, 1949. Class 24.

516,018. LIQUID CLEANING COMPOSITIONS FOR CLEANING TYPEWRITERS, METAL TYPE, RUBBER STAMPS, AND STENCILS. THE MULTISTAMP COMPANY, INC., Norfolk, Va.
Filed Apr. 16, 1948, Serial No. 554,804. Published Mar. 8, 1949. Class 4.

516,019. HAND TRUCKS FOR MATERIAL HANDLING. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa.
Filed Apr. 17, 1948, Serial No. 554,849. Published July 5, 1949. Class 19.

516,020. FOLDING PAPER BOXES, INDUSTRIAL CARTONS, PAPER AND FIBRE DRUMS, AND CHEESE BOXES. CLIMAX MANUFACTURING COMPANY, Castorland, N. Y.
Filed Apr. 20, 1948, Serial No. 555,058. Published May 31, 1949. Class 2.

516,021. AUTOMOBILE HOUSE TRAILERS. SPARTAN AIRCRAFT COMPANY, Wilmington, Del., and Tulsa, Okla.
Filed Apr. 22, 1948, Serial No. 555,315. Published July 5, 1949. Class 19.

516,022. AUTOMOBILE BABY SEATS, HAMMOCKS, USED TO CARRY INFANTS IN AUTOMOBILE. DENNIS-MITCHELL INDUSTRIES, Philadelphia, Pa.
Filed Apr. 23, 1948, Serial No. 555,378. Published July 5, 1949. Class 19.

516,023. FUNERAL CASKETS. SUTTON MANUFACTURERS, INC., Miami, Fla.
Filed Apr. 29, 1948, Serial No. 555,849. Published May 31, 1949. Class 2.

516,024. PERFUME, TOILET WATER, LIPSTICK, ROUGE, FACE POWDER, SKIN LOTIONS, COLOGNE, FACE CREAMS. PARFUMERIE AGNEL, SOCIETE A RESPONSABILITE LIMITEE, Paris, France.
Filed May 1, 1948, Serial No. 556,023. Published June 28, 1949. Class 6.

516,025. DIE CASTINGS UNFINISHED EXCEPT TO THE EXTENT THAT THE CASTING GATE AND CASTING FINS ARE USUALLY REMOVED. MADISON-KIPP CORPORATION, Madison, Wis.
Filed May 3, 1948, Serial No. 556,110. Published June 7, 1949. Class 14.

516,026. B-COMPLEX POWDER SOLD IN BULK TO THE FOOD AND PHARMACEUTICAL MANUFACTURING INDUSTRIES. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed May 4, 1948, Serial No. 556,225. Published June 28, 1949. Class 6.

516,027. PAPER MERCHANDISE ENVELOPES. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y.
Filed May 5, 1948, Serial No. 556,246. Published May 31, 1949. Class 2.

516,028. PRINTING TYPE. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J.
Filed Jan. 2, 1948, Serial No. 556,676. Published May 31, 1949. Class 14.

516,029. METAL WORKING PRESSES. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed Jan. 3, 1948, Serial No. 556,683. Published June 21, 1949. Class 23.

516,030. BRAZING METAL IN STICK FORM FOR REFINISHING WORN CHROMIUM PLATING. ALL-STATE WELDING ALLOYS CO., INC., White Plains, N. Y.
Filed May 12, 1948, Serial No. 556,860. Published May 24, 1949. Class 14.

516,031. EMBALMING FLUID. EGYPTIAN CHEMICAL COMPANY, Boston, Mass.
Filed May 13, 1948, Serial No. 556,954. Published June 28, 1949. Class 6.

516,032. BEER, ALE, STOUT, AND BLENDS THEREOF. KEELEY BREWING COMPANY, Chicago, Ill.
Filed May 13, 1948, Serial No. 556,964. Published May 31, 1949. Class 48.

516,033. BUFFING DISCS, AND BUFFING WHEELS. WILLIAMSVILLE BUFF MFG. CO., Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut.
Filed May 15, 1948, Serial No. 557,170. Published Jan. 11, 1949. Class 4.

516,034. CONCENTRATED LATHERING SYNTHETIC DETERGENT, ETC. FISCHER INDUSTRIES, INC., Cincinnati, Ohio.
Filed May 26, 1948, Serial No. 557,839. Published June 14, 1949. Class 4.

516,035. MEDICINE, A BALANCED AND BUFFERED TRIPLE SULFONAMIDE MIXTURE. DONLEY-EVANS & COMPANY, St. Louis, Mo.
Filed May 28, 1948, Serial No. 558,017. Published June 28, 1949. Class 6.

516,036. REDUCING CHIN STRAPS. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 29, 1948, Serial No. 558,148. Published June 7, 1949. Class 44.

516,037. PERFUMES, TOILET WATERS, TOILET CREAMS, FACE LOTION. MIRA YOUNG, INC., New York, N. Y.
Filed June 3, 1948, Serial No. 558,406. Published June 28, 1949. Class 6.

516,038. PERFUMES, TOILET WATER, FACE POWDER, BATH OIL, BATH ESSENCE, BATH SALTS, BUBBLE BATH SALTS, BATH POWDER, TALCUM POWDER, SACHET POWDER, SACHET CONCENTRATE, AND BRILLIANTINE. LENTHERIC INCORPORATED, New York, N. Y.
Filed June 5, 1948, Serial No. 558,567. Published June 28, 1949. Class 6.

516,039. INHALENT IN LIQUID FORM FOR THE TREATMENT OF HAY FEVER, INFLUENZA, AND COMMON COLDS. WILLIAM GILBERT ORR, doing business as The Orzone Company, London, England.
Filed June 5, 1948, Serial No. 558,583. Published June 28, 1949. Class 6.

516,040. BACTERICIDAL SOLUTIONS FOR USE IN MEDICINE AND PHARMACY. WARD BLENKINSOP & COMPANY LIMITED, London, England.
Filed June 14, 1948, Serial No. 559,133. Published June 21, 1949. Class 6.

516,041. INSECTICIDE. C. L. MCGRAW, Kathleen, Fla.
Filed June 14, 1948, Serial No. 559,166. Published June 28, 1949. Class 6.

516,042. MINERAL, VITAMIN PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 15, 1948, Serial No. 559,249. Published June 21, 1949. Class 6.

516,043. BATH AND TOILET SOAPS. ELISABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 559,413. Published June 14, 1949. Class 4.

516,044. NON-CORROSIVE AND WEAR-RESISTING ALLOYS OF THE PLATINUM GROUP METALS OR PLATINUM GROUP METALS IN COMBINATION WITH COBALT, TUNGSTEN, NICKEL, OR THE LIKE FOR USE IN THE MANUFACTURE OF PEN POINTS, INSTRUMENT PIVOTS, AND PHONOGRAPH NEEDLES. PERMO INCORPORATED, Chicago, Ill.
Filed Mar. 17, 1948, Serial No. 559,429. Published June 28, 1949. Class 14.

516,045. FACE POWDER. HOUSE OF WESTMORE, INC., New York, N. Y.
Filed Mar. 20, 1948, Serial No. 559,770. Published June 28, 1949. Class 6.

516,046. GRINDING, POLISHING, AND LAPPING MACHINES AND PARTS THEREOF. CRANE PACKING COMPANY, Chicago, Ill., and Wilmington, Calif.
Filed June 11, 1948, Serial No. 559,876. Published June 28, 1949. Class 23.

516,047. GASOLINE AND DIESEL POWERED BOATS—NAMELY, PLEASURE CRUISERS, LAUNCHES, TUG BOATS, SKIFFS, AND YACHTS. MILTON JOHNSON, doing business as Johnson Boatworks, Brooklyn, N. Y.
Filed June 22, 1948, Serial No. 559,926. Published July 5, 1949. Class 19.

516,048. ANTIBACTERIAL PREPARATION. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 23, 1948, Serial No. 560,059. Published June 21, 1949. Class 6.

516,049. BEER. N. V. BROUWERIJ D'ORANJEBOOM, Rotterdam, Netherlands.
Filed July 1, 1948, Serial No. 560,533. Published June 21, 1949. Class 48.

516,050. CALCIUM GLUCONATE WAFERS, AND THIAMIN HYDROCHLORIDE IN LIQUID AND TABLET FORM. THE LOS ANGELES LABORATORIES, INC., Los Angeles, Calif.
Filed July 6, 1948, Serial No. 560,767. Published June 21, 1949. Class 6.

516,051. STEEL SHEETS AND FERROUS METAL BARS. BOWSTEEL DISTRIBUTORS CORPORATION, Newark and Linden, N. J.
Filed July 10, 1948, Serial No. 561,072. Published June 7, 1949. Class 14.

516,052. DUMPING TRUCKS AND INDUSTRIAL TRUCKS FOR TRANSPORTING MATERIALS AND ARTICLES AND STRUCTURAL PARTS THEREOF. THE BAKER-RAULANG COMPANY, Cleveland, Ohio.
Filed Oct. 2, 1947, Serial No. 561,366. Published July 5, 1949. Class 19.

516,053. METAL WELDING ELECTRODES. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed July 21, 1948, Serial No. 561,848. Published June 7, 1949. Class 14.

516,054. LIQUID PREPARATION FOR TREATMENT OF COLDS, ETC. MONTICELLO DRUG COMPANY, Jacksonville, Fla.
Filed July 23, 1948, Serial No. 562,080. Published June 21, 1949. Class 6.

516,055. JUVENILE FURNITURE—NAMELY, ADJUSTABLE AND FIXED TABLES AND CHAIRS. GUILD INDUSTRIES, Brooklyn, N. Y.
Filed May 20, 1948, Serial No. 562,590. Published June 28, 1949. Class 32.

516,056. RUBBER AND RUBBER-LIKE APRONS. THE GATES RUBBER COMPANY, Denver, Colo.
Filed Aug. 4, 1948, Serial No. 562,776. Published June 14, 1949. Class 39.

516,057. SPUTUM CUPS. BURNITOL MANUFACTURING CO., Boston, Mass.
Filed Aug. 5, 1948, Serial No. 562,826. Published June 7, 1949. Class 44.

516,058. FERTILIZER AND MORE ESPECIALLY A FERTILIZER CONTAINING AN INSECTICIDE. BYCOLIFE FERTILIZER MANUFACTURING COMPANY, Clinton, S. C.
Filed Aug. 2, 1948, Serial No. 562,978. Published May 17, 1949. Class 10.

516,059. FOOT OINTMENT AND LOTION. NORMAN B. ALTERMAN, doing business as T & T Company, Peekskill, N. Y.
Filed Aug. 14, 1948, Serial No. 563,387. Published June 28, 1949. Class 6.

516,060. CHEMICAL CONTAINING BRIQUETTES FOR GENERATING A TOXIC GAS TO DESTROY RATS, MICE, FLIES, ROACHES, BED BUGS, FLEAS, MOTHS, BUFFALO BUGS, BEETLES, AND MANY GERMS. SAFETY FUMIGANT COMPANY, Boston and Hingham, Mass.
Filed Aug. 4, 1948, Serial No. 563,570. Published June 28, 1949. Class 6.

516,061. INHIBITORY ANTISEPTIC USED AS A WET DRESSING. C. A. MOSSO COMPANY, Chicago, Ill.
Filed June 28, 1948, Serial No. 564,084. Published June 28, 1949. Class 6.

516,062. CASCARA BARK. S. B. PENICK & COMPANY, New York, N. Y.
Filed Aug. 26, 1948, Serial No. 564,212. Published June 28, 1949. Class 6.

516,063. FERTILIZERS. NORSK HYDRO-ELEKTRISK KVAELSTOFAKTIESELSKAB, Oslo, Norway.
Filed Aug. 20, 1948, Serial No. 564,257. Published May 17, 1949. Class 10.

516,064. FERTILIZERS. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill.
Filed Sept. 3, 1948, Serial No. 564,626. Published May 17, 1949. Class 10.

516,065. CLEANING LIQUIDS FOR SPOTS AND OVERALL CLEANING OF CLOTHING, SUITS, DRESSES, SWEATERS, SKIRTS, NECKTIES, RUGS, CURTAINS, UPHOLSTERY, SLIPCOVERS, WORK CLOTHES, BLANKETS, AUTOS, WINDOWS, AND VENETIAN BLINDS. RUTLEDGE B. PARKER, doing business as Parker Products, Waterbury, Conn.
Filed Sept. 11, 1948, Serial No. 565,005. Published June 28, 1949. Class 4.

516,066. SOAP, USED FOR LAUNDRY PURPOSES. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,561. Published June 14, 1949. Class 4.

516,067. WASHING COMPOUND. BLUE SUDS COMPANY, Detroit, Mich.
Filed Sept. 22, 1948, Serial No. 565,607. Published June 14, 1949. Class 4.

516,068. BRONZE CASTING AND FORGING ALLOYS. KOPPERS COMPANY, INC., Pittsburgh, Pa., and Baltimore, Md.
Filed Sept. 22, 1948, Serial No. 565,632. Published June 7, 1949. Class 14.

516,069. CLEANSER FOR WOOD, CORK AND LINOLEUM. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed Sept. 22, 1948, Serial No. 565,638. Published June 14, 1949. Class 4.

516,070. CLEANSER FOR WOOD, CORK, AND LINOLEUM. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed Sept. 22, 1948, Serial No. 565,640. Published June 14, 1949. Class 4.

516,071. IRON AND STEEL. JONAS & COLVER (NOVO) LIMITED, Sheffield, England.
Filed Sept. 28, 1948, Serial No. 565,897. Published June 7, 1949. Class 14.

516,072. DISHWASHING COMPOUND. JOHN SEXTON & Co., Chicago, Ill.
Filed Sept. 28, 1948, Serial No. 566,036. Published June 28, 1949. Class 4.

516,073. DETERGENT WASHING POWDER WITH A WETTING AGENT ADDED. PFANSTIEHL DETERGENT CHEMICALS, INC., Chicago and Waukegan, Ill.
Filed Sept. 29, 1948, Serial No. 566,098. Published June 28, 1949. Class 4.

516,074. STEEL INGOTS, BLOOMS, SLABS, ETC. CARNEGIE-ILLINOIS STEEL CORPORATION, Pittsburgh, Pa.
Filed Oct. 1, 1948, Serial No. 566,210. Published June 14, 1949. Class 14.

516,075. COMBS. HALEX LIMITED, London, England.
Filed Aug. 31, 1948, Serial No. 566,277. Published May 17, 1949. Class 40.

516,076. OIL-HARDENING TOOL STEEL. THE MIDVALE COMPANY, Philadelphia, Pa.
Filed Oct. 14, 1948, Serial No. 566,990. Published June 14, 1949. Class 14.

516,077. FUNGICIDE. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed Oct. 27, 1948, Serial No. 567,707. Published June 28, 1949. Class 6.

516,078. PREPARATION INTENDED FOR LOCAL APPLICATION TO THE NASAL MUCOUS MEMBRANE FOR THE PURPOSE OF REDUCING CONGESTION CAUSED BY COLDS, HAY FEVER, AND SIMILAR CONDITIONS. BURROUGHS WELLCOME & Co. (U. S. A.) INC., Tuckahoe, N. Y.
Filed Oct. 30, 1948, Serial No. 567,902. Published June 28, 1949. Class 6.

516,079. THREADS AND YARNS CONTAINING FILAMENTS OF POLYVINYL CHLORIDE. SOCIETE RHOVYL, Paris, France.
Filed Nov. 12, 1948, Serial No. 568,680. Published June 7, 1949. Class 43.

Certification Marks

516,080. METALS AND METAL CASTINGS AND FORGINGS. PARKER RUST PROOF COMPANY, Detroit, Mich.
Filed Jan. 14, 1948, Serial No. 547,026. Published May 24, 1949. Class 14.

516,081. CONCRETE BUILDING UNITS COMPRISING PRINCIPALLY CEMENT AND EXPANDED SLAG AGGREGATE. THE CELOTEX CORPORATON, Chicago, Ill.
Filed Feb. 19, 1948, Serial No. 550,119. Published June 7, 1949. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

516,082. (CLASS 2. RECEPTACLES.) RICHARD G. KRUEGER, INCORPORATED, New York, N. Y. Original filed, act of 1905, Feb. 16, 1946; amended to application under act of 1946, Supplemental Register, May 20, 1948, Serial No. 496,709.

PICK-UP
NURSERY BOOT

FOR DECORATED CLOTH BAG FOR HOLDING CHILDREN'S TOYS.
Claims use since October 1945.

516,083. (CLASS 39. CLOTHING.) MADAM BERY LIMITED, London, England. Original filed, act of 1905, Mar. 5, 1946; amended to application under act of 1946, Principal Register, July 8, 1948; amended to Supplemental Register, May 31, 1949, Serial No. 497,668.

BERY

Applicant claims ownership of British Registration No. B640,587, dated Oct. 3, 1945.
FOR WOMEN'S SUITS, DRESSES, AND BLOUSES.

516,084. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) BROWN & GREEN LIMITED, Luton, Bedfordshire, England. Original filed, act of 1905, May 16, 1946; amended to application under act of 1946, Supplemental Register, Aug. 2, 1948, Serial No. 502,185.

TWIN-RAPID

Applicant claims ownership of British Registration No. 584,453, dated Mar. 25, 1938.
FOR POWER-OPERATED PRESSING MACHINES FOR LAUNDRY USE.

516,085. (CLASS 2. RECEPTACLES.) MARY LOUISE GIBSON, Los Angeles, Calif. Original filed, act of 1905, May 20, 1946; amended to application under act of 1946, Supplemental Register, Mar. 15, 1948, Serial No. 502,435.



FOR EMPTY PAPER GIFT BOXES.
Claims use since Mar. 18, 1946.

516,086. (CLASS 19. VEHICLES.) WILLIAM B. MACDONALD, JR., Chicago, Ill. Original filed, act of 1905, May 31, 1946; amended to application under act of 1946, Supplemental Register, May 11, 1948, Serial No. 503,108.

TERRA CRUISER

FOR HOUSE TRAILERS.
Claims use since Dec. 15, 1945.

516,087. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) H. F. T. COMPANY, INC., Seattle, Wash. Original filed, act of 1905, July 10, 1946; amended to application under act of 1946, Supplemental Register, May 3, 1948, Serial No. 505,352.

The E-T Way Weight Control

FOR COMBINATION CHAIRS AND TABLES FOR TREATMENT OF THE BODY BY MASSAGING AND MANIPULATING.
Claims use since Jan. 10, 1946.

516,088. (CLASS 37. PAPER AND STATIONERY.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Supplemental Register, Feb. 20, 1948, Serial No. 509,465.

Lady **Carroll**

The trade-mark consists of a fictitious name.
FOR TOILET TISSUE AND CLEANSING TISSUE.
Claims use since Aug. 23, 1946.

516,089. (CLASS 19. VEHICLES.) WESTERN AUTOMOTIVE COMPANY, Chicago, Ill. Original filed, act of 1905, Dec. 30, 1946; amended to application under act of 1946, Supplemental Register, Nov. 2, 1948, Serial No. 515,058.

NOKEE

FOR SELF LOCKING CLOSURES FOR FUEL TANKS OF MOTOR VEHICLES.
Claims use since Mar. 1, 1946.

516,090. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) THE CINCH COMPANY, Kansas City, Mo. Original filed, act of 1905, Jan. 20, 1947; amended to application under act of 1946, Supplemental Register, Aug. 25, 1948, Serial No. 516,007.

A SURE THING!

FOR NON-ALCOHOLIC MALTLESS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Jan. 2, 1947.

516,091. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ISABEL R. BROWN, doing business as Brown Merchandising Co., New York, N. Y. Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Supplemental Register, Aug. 18, 1948, Serial No. 516,887.

DIAL A PICTURE

FOR EDUCATIONAL PICTURE DISC GAME.
Claims use since Jan. 15, 1947.

516,092. (CLASS 32. FURNITURE AND UPHOLSTERY.) DIXON-POWDERMAKER FURNITURE COMPANY, Jacksonville, Fla. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Supplemental Register, July 27, 1948, Serial No. 516,967.

The ORLEANS *Collection* — *in the Provincial Manner*

FOR BEDROOM, LIVING ROOM AND DINING ROOM FURNITURE—NAMELY, BEDS, TABLES, CHAIRS, STORAGE CHESTS, MIRRORS, SIDEBOARDS, CHINA CLOSETS, SECRETARIES, DESKS, SOFAS, DRESSERS, DRESSING TABLES, AND NIGHT STANDS.
Claims use since July 16, 1946.

516,093. (CLASS 19. VEHICLES.) GAR WOOD INDUSTRIES, INC., Wayne, Mich. Original filed, act of 1920, Feb. 21, 1947; amended to application under act of 1946, Supplemental Register, Apr. 30, 1949, Serial No. 517,899.

"LOAD-PACKER"

FOR BODIES FOR GARBAGE AND REFUSE HANDLING TRUCKS.
Claims use since Apr. 19, 1940.

516,094. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) P. V. ROBERTS COMPANY, Minneapolis, Minn. Original filed, act of 1905, Apr. 21, 1947; amended to application under act of 1946, Supplemental Register, May 20, 1949, Serial No. 521,088.

MITEE-GRIP

FOR BENCH STOPS.
Claims use since Mar. 18, 1947.

516,095. (CLASS 19. VEHICLES.) ST. JOHN & Co., Chicago, Ill. Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Supplemental Register, Oct. 27, 1948, Serial No. 521,370.

NEO TREAD

FOR WHEELS FOR INDUSTRIAL HAND TRUCKS.
Claims use since Mar. 15, 1947.

516,096. (CLASS 19. VEHICLES.) JOSEPH DIVISIA, doing business as Airite Products Company, Los Angeles, Calif., assignee of Carbee Tool and Manufacturing Company. Original filed, act of 1905, May 19, 1947; amended to application under act of 1946, Supplemental Register, Aug. 17, 1948, Serial No. 522,663.

GENTLAIRE

FOR VENTILATORS FOR VEHICLES, DESIGNED TO BE MOUNTED IN AIR DUCTS IN THE VEHICLES, ADJACENT THE PASSENGER SEAT AND SO CONSTRUCTED AS TO BE ADJUSTABLE BY THE PASSENGER TO CONTROL THE VOLUME AND DIRECTION OF THE AIRFLOW.
Claims use since May 12, 1947.

516,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif. Original filed, act of 1905, May 24, 1947; amended to application under act of 1946, Supplemental Register, Jan. 7, 1948, Serial No. 522,997.

SILVER PEARL

Applicant disclaims the word "Pearl" per se.
FOR RICE.
Claims use since May 12, 1947.

516,098. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) METAL-CLEAN SOLVENT CORPORATION, Chicago, Ill. Original filed, act of 1905, May 26, 1947; amended to application under act of 1946, Supplemental Register, May 5, 1949, Serial No. 523,091.

METAL-CLEAN

FOR LIQUID SOLVENTS FOR CLEANING OBJECTS OF METAL OR OTHER MATERIAL.
Claims use since January 1946.

516,099. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ROBINSON SALES COMPANY, New York, N. Y. Original filed, act of 1905, May 27, 1947; amended to application under act of 1946, Supplemental Register, Oct. 9, 1948, Serial No. 523,106.



FOR GAS RANGES AND SPACE HEATERS USING OIL, GAS, OR COAL.
Claims use since Mar. 1, 1946.

516,100. (CLASS 2. RECEPTACLES.) MILTON SLOANE, doing business as Kwikee-Fold Basket Company, New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Supplemental Register, June 2, 1948, Serial No. 525,693.

KWIKEE-FOLD

FOR COLLAPSIBLE WIRE LAUNDRY BASKET.
Claims use since May 23, 1947.

516,101. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WM. RICHMAN SUPPLY CORP., New York, N. Y. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Supplemental Register, July 21, 1948, Serial No. 526,291.

HOPEWELL

FOR ALUMINUM COOKING AND ROASTING UTENSILS—NAMELY, POTS, PANS, TEA KETTLES, AND COFFEE PERCOLATORS.
Claims use since Mar. 17, 1945.

516,102. (CLASS 19. VEHICLES.) HARRY E. POUELL, Kokomo, Ind. Original filed, act of 1946, Principal Register, Aug. 5, 1947; amended to application, Supplemental Register, Oct. 4, 1948, Serial No. 530,562.

EXCEL

FOR AUTOMOBILE WHEEL-BALANCE WEIGHT.
Claims use since Sept. 23, 1946.

516,103. (CLASS 32. FURNITURE AND UPHOLSTERY.) DREXEL FURNITURE COMPANY, Drexel, N. C. Original filed, act of 1946, Principal Register, Sept. 24, 1947; amended to application, Supplemental Register, Nov. 22, 1948, Serial No. 535,496.

NEWPORT COLLECTION

FOR BEDROOM FURNITURE—NAMELY, DRESSERS, VANITIES, CHESTS OF DRAWERS, BEDS, NIGHT TABLES, CHAIRS, BENCHES, AND MIRRORS.
Claims use since Jan. 24, 1947.

516,104. (CLASS 32. FURNITURE AND UPHOLSTERY.) DREXEL FURNITURE COMPANY, Drexel, N. C. Original filed, act of 1946, Principal Register, Sept. 24, 1947; amended to application, Supplemental Register Nov. 30, 1948, Serial No. 535,499.

KENT GROUP

FOR BEDROOM FURNITURE—NAMELY, DRESSERS, VANITIES, CHESTS OF DRAWERS, BEDS, NIGHT TABLES, CHAIRS, BENCHES, AND MIRRORS.
Claims use since Feb. 11, 1947.

516,105. (CLASS 12. CONSTRUCTION MATERIALS.) STONECOAT, Milwaukee, Wis. Filed Oct. 17, 1947, Serial No. 538,194.

Stonekote

FOR STUCCO AND PLASTER.
Claims use since Oct. 1, 1948.

516,106. (CLASS 15. OILS AND GREASES.) ATLAS LUBRICANT CORPORATION, New Orleans, La. Original filed, act of 1946, Principal Register, Oct. 30, 1947; amended to application, Supplemental Register, Feb. 3, 1949, Serial No. 539,480.

Reliable

Trustworthy as its Name

FOR MOTOR LUBRICATING OIL.
Claims use since Oct. 4, 1947.

516,107. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DOROTHY MASON PIERCE, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 7, 1947; amended to application, Supplemental Register, May 17, 1949, Serial No. 540,452.



Applicant claims ownership of Registration No. 500,045.
FOR TOY STUFFED ELEPHANTS.
Claims use since Aug. 13, 1946.

516,108. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THOMAS HOIST COMPANY, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 18, 1947; amended to application, Supplemental Register, July 30, 1949, Serial No. 541,605.



The drawing is lined for red.
FOR HOISTS USED IN BUILDING CONSTRUCTION, CONCRETE MIXERS, AIR COMPRESSORS, AND CONCRETE VIBRATORS.
Claims use since September 1945.

516,109. (CLASS 12. CONSTRUCTION MATERIALS.) MEXICO REFRACTORIES COMPANY, Mexico, Mo. Original filed, act of 1946, Principal Register, Nov. 20, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 541,865.

BOND SET

The drawing is lined to indicate shading only and not to indicate color.
FOR HIGH TEMPERATURE BONDING MORTAR.
Claims use since Mar. 23, 1939.

516,110. (CLASS 12. CONSTRUCTION MATERIALS.) MEXICO REFRACTORIES COMPANY, Mexico, Mo. Original filed, act of 1946, Principal Register, Nov. 21, 1947; amended to application, Supplemental Register, Sept. 10, 1948, Serial No. 541,944.

HY-SET

FOR HIGH TEMPERATURE BONDING MORTAR.
Claims use since Apr. 9, 1947.

516,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GORDON JOHNSON COMPANY, Kansas City, Mo. Original filed, act of 1946, Principal Register, Nov. 24, 1947; amended to application, Supplemental Register, June 9, 1949, Serial No. 542,118.

HYPER-SCALD

FOR CHEMICAL WETTING AGENT FOR USE IN POULTRY SCALDING BATHS.
Claims use since July 1, 1947.

516,112. (CLASS 12. CONSTRUCTION MATERIALS.) THE COMBINATION DOOR CO., Fond du Lac, Wis. Filed Nov. 26, 1947, Serial No. 542,445.

EASY CHANGE

FOR COMBINATION STORM AND SCREEN DOOR.
Claims use since May 1, 1913.

516,113. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOHN A. MORGAN, doing business as Bonyface Unlimited, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Dec. 6, 1947; amended to application, Supplemental Register, Apr. 25, 1949, Serial No. 543,643.



FOR REALISTIC FIGURES MADE FROM VARIOUS NATURAL BONES OF ANIMALS, THE NEAR-ANIMATED SEMBLANCE BEING FURTHER EMBELLISHED WITH EYES, NOSTRILS, HAIR, FUR OR FEATHERS.
Claims use since Sept. 5, 1947.

516,114. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) LINCOLN LUGGAGE COMPANY, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 16, 1947; amended to application, Supplemental Register, Aug. 2, 1949, Serial No. 544,357.

Wheat and Gold

FOR SUITCASES AND HANDBAGS.
Claims use since Feb. 5, 1947.

516,115. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) BERNZ BURNERS, INC., Santa Fe, N. Mex. Original filed, act of 1946, Principal Register, Feb. 5, 1948; amended to application, Supplemental Register, Apr. 11, 1949, Serial No. 548,787.



FOR OIL BURNERS AND CONTROLS AND SPARE AND REPAIR PARTS THEREOF.
Claims use since January 1948.

516,116. (CLASS 48. MALT BEVERAGES AND LIQUORS.) MILLER BREWING COMPANY, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Feb. 12, 1948; amended to application, Supplemental Register, Mar. 3, 1949, Serial No. 549,564.

The Champagne of Bottle Beer

FOR BEER.
Claims use since Dec. 12, 1907.

516,117. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM R. CAMERINO, doing business as Kut-A-Syz Manufacturing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 14, 1948; amended to application, Supplemental Register, July 7, 1949, Serial No. 549,712.

KUT-A-SYZ

FOR FLEXIBLE ROTATIVE SHAFT COUPLINGS HAVING A CYLINDRICAL RUBBER-LIKE MEMBER AND AN INTERFITTING METAL CAP ON EITHER END THEREOF, AND USED FOR MACHINERY, TOOLS, AND PARTS THEREOF.
Claims use since September 1946.

516,118. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EAST RIVER METAL PRODUCTS, INC., New York, N. Y., assignor to Hugh B. Kirkman, Larchmont, N. Y. Original filed, act of 1946, Principal Register, Feb. 14, 1948; amended to application, Supplemental Register, Aug. 2, 1949, Serial No. 549,719.

DIAL-EZE

FOR BALL TIPPED, SPRING SUPPORTED ROD FOR ATTACHMENT TO A TELEPHONE FOR DIALING PURPOSES.
Claims use since Jan. 29, 1948.

516,119. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. G. TREEL, INC., Larchmont, N. Y. Original filed, act of 1946, Principal Register, Mar. 17, 1948; amended to application, Supplemental Register, Dec. 1, 1948, Serial No. 552,184.

A. G. TREEL

The name A. G. Treel is a fanciful name.
FOR HAIR LATHERING OIL SHAMPOO.
Claims use since Sept. 2, 1947.

516,120. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AMERICAN METALCRAFT CORPORATION, Detroit, Mich. Original filed, act of 1946, Principal Register, Apr. 5, 1948; amended to application, Supplemental Register, Mar. 30, 1949, Serial No. 553,798.

HANDEE-LITE

FOR SAFETY EXTENSION LIGHTERS.
Claims use since Nov. 13, 1947.

516,121. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AMERICAN METALCRAFT CORPORATION, Detroit, Mich. Original filed, act of 1946, Principal Register, Apr. 5, 1948; amended to application, Supplemental Register, Mar. 30, 1949, Serial No. 553,800.

Protect-O-Lite

FOR SAFETY EXTENSION LIGHTERS.
Claims use since Nov. 13, 1947.

516,122. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOCRAT, INC., Dayton, Ohio. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, June 16, 1949, Serial No. 554,203.

THE LIGHT THAT SELLS

FOR CONCESSION SIGNAL LIGHT MOUNTED ON THE SPEAKER SUPPORTING POST IN A DRIVE-IN THEATER.
Claims use since Dec. 2, 1947.

516,123. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed May 11, 1948, Serial No. 556,856.

KILBUG

FOR INSECTICIDES.
Claims use since 1912.

516,124. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) F. W. WOOLWORTH CO., New York, N. Y. Original filed, act of 1946, Principal Register, May 21, 1948; amended to application, Supplemental Register, July 9, 1949, Serial No. 557,572.

WINFIELD

FOR GOLF BALLS, FOOTBALLS, BASKET BALLS, BASEBALL GLOVES AND MITTS, BASEBALL BATS AND SOFT BALL BATS.
Claims use since Jan. 17, 1940.

516,125. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHICAGO SPECIALTY MANUFACTURING CO., Chicago, Ill. Original filed, act of 1946, Principal Register, May 23, 1948; amended to application, Supplemental Register, July 15, 1949, Serial No. 557,592.

"FITZ-EM"

FOR TOILET SEAT HINGE, VALVE HANDLES, RADIATOR HANDLES, AND CHROME REPLACEMENT HANDLES FOR FAUCETS.
Claims use since May 2, 1938.

516,126. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) INDEPENDENT RETAILERS SYNDICATE, INC., New York, N. Y. Original filed, act of 1946, Principal Register, June 18, 1948; amended to application, Supplemental Register, July 7, 1949, Serial No. 559,608.

CHILD'S PLAY

FOR DOLLS.
Claims use since June 4, 1948.

516,127. (CLASS 31. FILTERS AND REFRIGERATORS.) SUNFILLED INDUSTRIES, INC., Raleigh, N. C. Original filed, act of 1946, Principal Register, June 8, 1948; amended to application, Supplemental Register, Apr. 14, 1949, Serial No. 559,799.

Orange-Mill

FOR COUNTER TYPE REFRIGERATING CABINET FOR USE IN MIXING AND DISPENSING A CITRUS FRUIT BEVERAGE.
Claims use since Feb. 21, 1948.

516,128. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) IDEAL NOVELTY & TOY CO., Hollis, N. Y. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, July 14, 1949, Serial No. 560,021.

CRI-BABY

FOR DOLLS.
Claims use since June 1, 1948.

516,129. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) THEONETT & CO., Chicago, Ill. Original filed, act of 1946, Principal Register, July 29, 1948; amended to application, Supplemental Register, June 25, 1949, Serial No. 562,509.

"Tops 'Em All"

Applicant claims ownership of Registrations Nos. 237,208 and 207,517.
FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FLAVORING SYRUPS AND EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME.
Claims use since May 1, 1925.

516,130. (CLASS 10. FERTILIZERS.) DR. P. PHILLIPS FERTILIZERS INC., Orlando, Fla. Original filed, act of 1946, Principal Register, Oct. 7, 1948; amended to application, Supplemental Register, Apr. 29, 1949, Serial No. 566,647.

GROVE TESTED

FOR FERTILIZERS COMPOSED OF PHOSPHATE, POTASH, MAGNESIUM AND OTHER ORGANICS.
Claims use since Aug. 3, 1947.

516,131. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RELIABLE SHOULDER PAD, INC., New York, N. Y. Filed Jan. 29, 1949, Serial No. 573,055.

Presto Snap

FOR SHOULDER PADS.
Claims use since Dec. 9, 1946.

Service Marks

516,132. (CLASS 55. SERVICES.) HOME FINANCE GROUP, INC., Charlotte, N. C. Original filed, act of 1946, Principal Register, June 7, 1948; amended to application, Supplemental Register, Mar. 25, 1949, Serial No. 558,651.

FINANCE AT HOME WITH HOME FINANCE

FOR SMALL PERSONAL PROPERTY LOAN, INSTALLMENT PURCHASE LOAN ON PERSONAL PROPERTY, AND INSTALLMENT CREDIT SERVICE BY INSTALLMENT LOANS AND CREDIT ON PERSONAL PROPERTY.
Claims use since Dec. 16, 1943.

TRADE-MARK REGISTRATIONS RENEWED

74,391. REPRESENTATION OF A RED THREAD INSERTED LONGITUDINALLY BETWEEN THE INSULATING LAYER OF A CONDUCTOR. Registered July 6, 1909. The Simplex Electrical Company, Boston, Mass. Re-renewed July 6, 1949, to Simplex Wire & Cable Company, Cambridge, Mass., a corporation of Massachusetts. INSULATED ELECTRICAL CONDUCTORS. Class 21.

75,921. "RED SHIELD" AND REPRESENTATION OF SHIELD LINED FOR RED. Registered Nov. 30, 1909. Azusa Foot-Hill Citrus Association. Re-renewed Nov. 30, 1949, to Azusa Foot-Hill Citrus Company, Azusa, Calif., a corporation of California. ORANGES, GRAPEFRUIT, TANGERINES, AND LEMONS. Class 46.

151,041. OGILVIE SISTERS. Registered Jan. 10, 1922. Jessica Ogilvie. Renewed Jan. 5, 1948 (Supplemental Register), to Elisabeth Ogilvie, sole surviving partner of Ogilvie Sisters, New York, N. Y. TONIC FOR DRY HAIR, TONIC FOR OILY HAIR, TONIC FOR WHITENING GRAY HAIR, ETC. Class 6.

236,908. ALDINE. Registered Dec. 27, 1927. Associated Merchandising Corporation. Renewed Dec. 27, 1947, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. ABSORBENTS, AS OF COTTON OR THE LIKE. Class 44.

236,909. AIMCEE. Registered Dec. 27, 1927. Associated Merchandising Corporation. Renewed Dec. 27, 1947, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. HOSIERY. Class 39.

247,219. REPRESENTATION OF DIAMONDS. Registered Sept. 25, 1928. Pendleton Flour Mill Co., Pendleton, Oreg. Renewed Sept. 25, 1948, to Preston-Shaffer Milling Company, Walla Walla, Wash., a corporation of Washington. WHEAT FLOUR. Class 46.

256,379. MARCELLINA. Registered May 14, 1929. Samuel Bonat & Bro. Renewed May 14, 1949, to Bonat & Bonat, Inc., New York, N. Y., a corporation of New York. PERMANENT-HAIR-WAVING PADS. Class 44.

257,448. PHILLIPS 77. Registered June 11, 1929. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed June 11, 1949. GASOLINES. Class 15.

257,652. CONCERT MASTER. Registered June 18, 1929. Armour and Company, Chicago, Ill., a corporation of Illinois. Renewed June 18, 1949. STRINGS FOR BOWED AND FRETTED MUSICAL INSTRUMENTS. Class 36.

258,067. STYLE SOURCES. Registered June 25, 1929. Women's Wear Magazines, Inc. Renewed June 25, 1949, to Fairchild Publications, Inc., New York, N. Y., a corporation of New York. SEMI-MONTHLY MAGAZINE. Class 38.

258,223. "ESEMCO" AND BACKGROUND DESIGN. Registered July 2, 1929. Shiman Mfg. Co. Inc., Newark, N. J., a corporation of New York. Renewed July 2, 1949. POCKETKNIVES, SCISSORS AND CIGAR CUTTERS. Class 23.

258,243. "ESEMCO" AND BACKGROUND DESIGN. Registered July 2, 1929. Shiman Mfg. Co. Inc., Newark, N. J., a corporation of New York. Renewed July 2, 1949. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, MADE OF GOLD, SILVER, PLATINUM, ETC. Class 28.

258,363. "ZIP" ETC. AND DESIGN. Registered July 2, 1929. American Company of Arkansas. Renewed July 2, 1949, to Edward S. Carmack, doing business as Zip Manufacturing Company, Little Rock, Ark. INSECTICIDES. Class 6.

258,371. "VALET" AND REPRESENTATION OF RAZOR BLADE. Registered July 2, 1929. Autostrop Safety Razor Co. Inc., New York, N. Y. Renewed July 2, 1949, to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. RAZOR BLADES. Class 23.

258,563. "NUJOL" ETC. Registered July 9, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 9, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Class 6.

258,564. "NUJOL" ETC. Registered July 9, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 9, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Class 6.

258,565. "NUJOL" ETC. Registered July 9, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 9, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Class 6.

258,648. ESSO. Registered July 9, 1929. Standard Oil Company of New Jersey, Wilmington, Del. Renewed July 9, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. LIQUID GLOSS AND FLOOR DRESSING. Class 16.

258,794. CELTA. Registered July 16, 1929. Du Pont Rayon Company, Buffalo, N. Y. Renewed July 16, 1949, to Alsa S. A., Sion, Switzerland, a corporation organized under the laws of Switzerland. CELLULOSE-ACETATE YARNS, THREADS, AND FILAMENTS. Class 43.

259,294. "IOWA THE WORLD" AND PICTURESQUE DRAWING WITHIN CIRCULAR OUTLINE. Registered July 30, 1929. Iowa State Brand Creameries Association. Renewed July 30, 1949, to State Brand Creameries, Inc., Mason City, Iowa, a corporation of Iowa. BUTTER. Class 46.

259,296. "THE LITERARY GUIDEPOST" AND DESIGN. Registered July 30, 1929. The Associated Press, New York, N. Y., a corporation of New York. Renewed July 30, 1949. NEWSPAPER ARTICLES. Class 38.

259,362. DESIGN OF STARS, BARS AND CIRCLE. Registered July 30, 1929. Standard Oil Company of New Jersey, Wilmington, Del. Renewed July 30, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. LIQUID GLOSS AND FLOOR DRESSING. Class 16.

259,398. DESIGN OF STARS, BARS AND CIRCLE. Registered July 30, 1929. Standard Oil Company of New Jersey, Wilmington, Del. Renewed July 30, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. PARAFFIN WAX FOR WASHING PURPOSES AND HARNESS OIL. Class 4.

259,639. KERLOCH SHETLAND. Registered Aug. 6, 1929. S. Stein & Co. Renewed Aug. 6, 1949, to S. Stein & Co., Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.

259,743. THE EYES AND EARS OF THE WORLD. Registered Aug. 6, 1929. Paramount Famous Lasky Corporation. Renewed Aug. 6, 1949, to Paramount Pictures Inc., New York, N. Y., a corporation of New York. MOVING-PICTURE FILMS. Class 26.

259,899. BARDOL. Registered Aug. 13, 1929. The Barrett Company. Renewed Aug. 13, 1949, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. HYDROCARBON OIL USED IN THE PROCESSING AND TREATMENT OF RUBBER AND AS A DISPERSING AGENT AND/OR ANTIOXIDANT IN THE COMPOUNDING OF RUBBER. Class 6.

260,304. "MEGS" AND RECTANGULAR DESIGN. Registered Aug. 20, 1929. The Megs Company. Renewed Aug. 20, 1949, to Megs Macaroni Company, Harrisburg, Pa., a corporation of Pennsylvania. ALIMENTARY PASTE PRODUCTS. Class 46.

261,730. "FLAVOR SEALED" AND HEAVY UNDERLINES. Registered Sept. 24, 1929. Geo. A. Hormel & Company, Austin, Minn., a corporation of Delaware. Renewed Sept. 24, 1949. CANNED POULTRY. Class 46.

261,900. ROKADÁ. Registered Sept. 24, 1929. C. Le Roy Olson. Renewed Sept. 24, 1949, to Le Roy Olson Company, San Francisco, Calif., a corporation of California. CONSTRUCTION MATERIAL OF A PLASTIC NATURE CONSISTING OF MAGNESIA, MAGNESIUM CHLORIDE, ETC. Class 12.

262,022. E.I.S. Registered Sept. 24, 1929. Heppenstall Forge & Knife Company. Renewed Sept. 24, 1949, to Heppenstall Company, Pittsburgh, Pa., a corporation of Pennsylvania. CASTINGS AND FORGINGS MADE OF STEEL. Class 14.

262,417. PAGE. Registered Oct. 8, 1929. Page Steel and Wire Company, Adrian, Mich., and Bridgeport, Conn. Renewed Oct. 8, 1949, to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York. METAL FENCE AND FENCE MADE PARTLY OF METAL, AND PARTLY OF WOOD; ETC. Class 13.

262,422. "NORDBERG MACHINERY" AND DESIGN. Registered Oct. 8, 1929. Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Oct. 8, 1949. MACHINERY — NAMELY, ROCK, ORE, AND GRAVEL CRUSHERS AND TRACK JACKS; ETC. Class 23.

262,758. EVERLOX. Registered Oct. 22, 1929. The Logan-Long Company, Franklin, Ohio, Atlanta, Ga., Fulton, N. Y., and Chicago, Ill. Renewed Oct. 22, 1949, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. COMPOSITION SHINGLES. Class 12.

263,102. THE SILHOUETTE. Registered Oct. 29, 1929. Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 29, 1949. WOMEN'S AND MISSES' HATS. Class 39.

263,407. DEMARCO. Registered Nov. 5, 1929. John Demartini Co. Inc. Renewed Nov. 5, 1949, to John Demartini Co., San Francisco, Calif., a firm. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH VEGETABLES, ETC. Class 46.

263,433. CELTA. Registered Nov. 5, 1929. Du Pont Rayon Company, Buffalo, N. Y. Renewed Nov. 5, 1949, to Alsa S. A., Sion, Switzerland, a corporation organized under the laws of Switzerland. ARTIFICIAL-SILK YARNS, THREADS, AND FILAMENTS. Class 43.

263,517. NATIONAL. Registered Nov. 5, 1929. National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin. Renewed Nov. 5, 1949. STEAM-PRESSURE COOKERS. Class 13.

263,773. MENJAY. Registered Nov. 12, 1929. Menley & James Limited, New York. Renewed Nov. 12, 1949, to Menley & James, Limited, New York, N. Y., a corporation of New York. PHARMACEUTICAL PRODUCTS FOR MEDICAL OR TOILET USE—NAMELY, OINTMENTS FOR EXTERNAL APPLICATION TO THE HUMAN SKIN, ETC. Class 6.

263,809. "FAMOUS FABRICS" ETC. AND DESIGN LINED FOR RED. Registered Nov. 12, 1929. S. Stein & Co. Renewed Nov. 12, 1949, to S. Stein & Co., Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.

263,882. PENN-DRAKE. Registered Nov. 12, 1929. American Oil Works Co. Renewed Nov. 12, 1949, to Pennsylvania Refining Company, Titusville, Pa., a corporation of Pennsylvania. LUBRICATING OILS AND GREASES. Class 15.

263,996. THE LABORATORY. Registered Nov. 12, 1929. Fischer Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 12, 1949. A PUBLICATION IN THE FORM OF A HOUSE ORGAN. Class 38.

264,116. AGRICO. Registered Nov. 19, 1929. The American Agricultural Chemical Company. Renewed Nov. 19, 1949, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware. GUANO, COMMERCIAL FERTILIZERS USED FOR AGRICULTURAL PURPOSES, AND LIMESTONE USED FOR AGRICULTURAL PURPOSES AND AS A SOIL CONDITIONER. Class 10.

264,231. EXOLA. Registered Nov. 19, 1929. Bendiner & Schlesinger, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 19, 1949. ANTISEPTIC SUPPOSITORIES, ANTISEPTIC POWDER, AND ANTISEPTIC JELLY. Class 6.

264,325. BASIS. Registered Nov. 26, 1929. P. Beiersdorf & Co. Inc., New York, N. Y. Renewed Nov. 26, 1949, to P. Beiersdorf & Co. Inc., Stamford, Conn., and New York, N. Y., a corporation of New York. SOAP. Class 4.

264,371. SUNSET. Registered Nov. 26, 1929. Union Oil Company of California. Renewed Nov. 26, 1949, to Sunset Oil Company, Los Angeles, Calif., a corporation of California. LUBRICATING OILS, WAXES, AND GREASES. Class 15.

264,485. CRYSTALLENE. Registered Nov. 26, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Nov. 26, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, LUBRICATING GREASES, AND KEROSENE. Class 15.

264,868. CLOVER FARM. Registered Dec. 10, 1929. The Grocers & Producers Co., doing business as Clover Farm Stores. Renewed Dec. 10, 1949, to Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio. BICARBONATE OF SODA, SALT, LYE, ETC. Class 6.

264,897. "BEACH CLUB". Registered Dec. 10, 1929. Desmond's. Renewed Dec. 10, 1949, to Desmond's, Inc., Los Angeles, Calif., a corporation of California. SOFT FELT HATS FOR MEN AND BOYS. Class 39.

264,900. "VOGUE" ETC. AND DESIGN. Registered Dec. 10, 1929. Vogue Brassiere Mfg. Co. Renewed Dec. 10, 1949. Vogue Foundations, Inc., Newark, N. J., a corporation of New Jersey. BRASSIÈRES, CORSETS, AND GIRDLES, ETC. Class 39.

265,005. "BEACONLIGHT" AND REPRESENTATION OF A BEACONLIGHT. Registered Dec. 10, 1929. C. W. Antrim & Sons. Renewed Dec. 10, 1949, to C. W. Antrim & Sons, Richmond, Va., a firm. COFFEE. Class 46.

265,048. AJAX. Registered Dec. 10, 1929. United States Envelope Company, Springfield, Mass., a corporation of Maine. Renewed Dec. 10, 1949. PAPER CUPS. Class 2.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

508,347. LOOSOL. Registered Apr. 12, 1949. Tennessee Eastman Corporation, Kingsport, Tenn. ORGANIC CHEMICAL PREPARATION FOR USE AS AN INHIBITOR TO RETARD DETERIORATION OF ORGANIC MATERIAL; CHEMICAL PREPARATIONS FOR USE AS INHIBITORS IN PREVENTION OF SLUDGE FORMATION IN SCRUBBING OILS FOR ARTIFICIAL GAS. Class 6. Corrected as follows: In the statement, line 8, description of merchandise, for "TO" before "organic" read *OF*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

185,743. BOSHANARA. Registered Oct. 19, 1920. Renewed Oct. 19, 1940. H. R. Mallinson & Co., Inc. CRAPE IN THE PIECE. Class 42. New certificate under section 7(c) issued Oct. 4, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

150,462. MIAMI. Registered Jan. 3, 1922. Renewed Jan. 3, 1942. H. R. Mallinson & Co. Inc. SILK PIECE GOODS. Class 42. New certificate under section 7(c) issued Oct. 4, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

317,297. RIPTIDE. Registered Sept. 18, 1934. H. R. Mallinson & Co., Inc. SILK, RAYON, COTTON, LINEN, WOOLEN, AND MIXED PIECE GOODS. Class 42. New certificate under section 7(c) issued Oct. 4, 1949, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 31,078. Registered Jan. 4, 1898. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR GRASS, CLOVER, AND FIELD-SEEDS, AND SEED GRAINS.
Claims use since Oct. 1, 1897.

Reg. No. 34,156. Registered Feb. 6, 1900. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR GRASS, CLOVER, AND FIELD SEEDS, AND SEED GRAINS.
Claims use since Oct. 1, 1897.

Reg. No. 36,255. Registered Apr. 16, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR GRASS, CLOVER, AND FIELD SEEDS, AND SEED-GRAINS.
Claims use since Jan. 5, 1901.

Reg. No. 36,256. Registered Apr. 16, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR GRASS, CLOVER, AND FIELD SEEDS, AND SEED-GRAINS.
Claims use since Jan. 5, 1901.

Reg. No. 36,619. Registered June 18, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE BRAND D

FOR GRASS, CLOVER, AND FIELD SEEDS, SEED-GRAINS, BIRD-SEEDS, POPCORN, BEANS, DRIED PEAS, LAWN, VEGETABLE, AND GRAIN FERTILIZERS, AND SEED SOWERS.
Claims use since Oct. 1, 1897.

Reg. No. 49,834. Registered Feb. 20, 1906. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

ACE

FOR GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS.
Claims use since about Jan. 5, 1901.

Reg. No. 49,835. Registered Feb. 20, 1906. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

QUEEN

FOR GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS.
Claims use since about Jan. 5, 1901.

Reg. No. 49,836. Registered Feb. 20, 1906. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

PINE TREE

FOR GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS.
Claims use since about Oct. 1, 1897.

Reg. No. 49,837. Registered Feb. 20, 1906. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE

FOR GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS.
Claims use since about Oct. 1, 1890.

Reg. No. 49,838. Registered Feb. 20, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

FOR GRASS, GRAIN, TIMOTHY, CLOVER, HEMP, CANARY, AND RAPE SEEDS.
Claims use since about Oct. 1, 1890.

Reg. No. 57,822. Registered Nov. 27, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR MIXED GRASS SEED FOR LAWNS.
Claims use since about Jan. 15, 1896.

Reg. No. 61,430. Registered Mar. 19, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

FOR GRASS, GRAIN, TIMOTHY, AND CLOVER SEEDS.
Claims use since about Jan. 5, 1901.

Reg. No. 61,431. Registered Mar. 19, 1907. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR GRASS, TIMOTHY, GRAIN, AND CLOVER SEEDS.
Claims use since about Oct. 1, 1897.

Reg. No. 212,245. Registered Apr. 27, 1926. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GREEN COVER

FOR GRASS SEEDS.
Claims use since May 15, 1924.

Reg. No. 226,951. Registered Apr. 26, 1927. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

EVERGREEN

FOR FARM AND GRASS SEEDS.
Claims use since about Jan. 15, 1896.

Reg. No. 229,188. Registered June 21, 1927. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

CLUB GREEN

FOR LAWN-GRASS SEEDS.
Claims use since Sept. 15, 1926.

Reg. No. 357,602. Registered June 7, 1938. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of of Delaware. Republished by registrant, present address New York, N. Y.

PURAYONIER

FOR WOOD PULP.
Claims use since Nov. 5, 1937.

Reg. No. 357,995. Registered June 21, 1938. J. GREENBAUM TANNING CO., Chicago, Ill., and Milwaukee, Wis., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

VEGECROME

FOR LEATHER FOR OUTER AND INNER SOLES FOR SHOES.
Claims use since Nov. 1, 1936.

Reg. No. 380,856. Registered Sept. 3, 1940. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

RAYBOOK

FOR WOOD PULP.
Claims use since Jan. 1, 1940.

CLASS 2

RECEPTACLES

Reg. 426,022. Registered Dec. 10, 1946. NEW ENGLAND GLASS WORKS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Jeray

FOR ORNAMENTAL JEWELRY—NAMELY, PINS, BROOCHES, LOCKETS, EARRINGS, BRACELETS, NECKLACES, COMPACTS, FINGER RINGS, PENDANTS, AND CIGARETTE CASES, MADE WHOLLY OR PARTLY OF PRECIOUS METAL.
Claims use since Feb. 1, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 390,451. Registered Sept. 23, 1941. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

COUNTRY PLAID

The word "Plaid" is disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S POCKETBOOKS AND HANDBAGS.
Claims use since Sept. 21, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 134,966. Registered Sept. 21, 1920. THE HEXTER STEWART CORPORATION COMPANY, Cleveland, Ohio. Republished by The Gerson-Stewart Corporation Company, Cleveland, Ohio, a corporation of Ohio.

Softasilk

FOR LIQUID SOAP.
Claims use since September 1915.

Reg. No. 422,797. Registered Aug. 13, 1946. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

ON DIT

FOR SHAVING CREAM, FACE AND BATH SOAPS.
Claims use since Apr. 10, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 81,279. Registered Mar. 21, 1911. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR BAKING POWDER, BAKING SODA, CREAM OF TARTAR, LAUNDRY BLUE, AMMONIA, GLOSS STARCH, SPIRITS OF CAMPHOR, TURPENTINE INTENDED TO BE USED FOR MEDICINAL PURPOSES, GLYCERIN, CASTOR-OIL, AND JAMAICA GINGER.
Claims use since August 1889.

Reg. No. 93,321. Registered Sept. 9, 1913. ROBERT ALEXANDER BACHMANN, Newport, R. I. Republished by The Sanitube Company, Newport, R. I., a corporation of Rhode Island.

SANITUBE

FOR PREPARATION FOR PREVENTING THE CONTRACTION OF VENEREAL DISEASES.
Claims use since Sept. 30, 1912.

Reg. No. 224,827. Registered Mar. 8, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

GDC

FOR DYES, DYESTUFFS, AND DYESTUFF INTERMEDIATES, AND CHEMICALS—NAMELY, ASSISTANT PRODUCTS USED IN DYEING AND BLEACHING, VIZ.: ALKALI-METAL HYDROSULFITE AND ALKALI-METAL BISULFITE, MORDANTS, FIXING AGENTS, AND BLEACHING AGENTS; INSECTICIDES AND REDUCING AGENTS.
Claims use since Jan. 1, 1926.

Reg. No. 267,348. Registered Feb. 18, 1930. KUTTROFF, PICKHARDT & CO., INC., New York, N. Y. Republished by Advance Solvents & Chemical Corporation, New York, N. Y., a corporation of New York.

PLASTOFLEX

FOR PLASTICIZER FOR CELLULOSE PRODUCTS.
Claims use since Aug. 13, 1929.

Reg. No. 351,194. Registered Oct. 19, 1937. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMREPEL

FOR WATERPROOFING AND WATER-REPELLING AGENTS FOR TEXTILES AND FABRICS.
Claims use since June 4, 1937.

Reg. No. 355,249. Registered Mar. 8, 1938. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMANTHOL

FOR DYESTUFFS.
Claims use since Oct. 12, 1937.

Reg. No. 358,122. Registered June 28, 1938. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMAFORM

FOR CHEMICALS USED FOR AFTER-TREATMENT OF DYED MATERIALS FOR ENHANCING THEIR FASTNESS.
Claims use since Dec. 10, 1937.

Reg. No. 358,123. Registered June 28, 1938. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FORMANIL

FOR DYES.
Claims use since Dec. 10, 1937.

Reg. No. 373,011. Registered Nov. 21, 1939. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

AMPROTEX

FOR FINISHING CHEMICAL COMPOUNDS FOR TEXTILES.
Claims use since June 16, 1939.

Reg. No. 390,138. Registered Sept. 9, 1941. MILES LABORATORIES, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

VITAMILES

FOR VITAMIN TABLETS.
Claims use since Apr. 11, 1941.

Reg. No. 441,415. Registered Nov. 23, 1948. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR TOILET WATER, PERFUME, PERFUME EXTRACTS, TOILET LOTIONS; HAIR TONIC, HAIR-DRESSING, HAIR RESTORER (A HAIR PREPARATION EITHER A LIQUID OR A SALVE, FOR MASSAGING INTO THE SCALP), HAIR DYE, HAIR SHAMPOO, HAIR LACQUER, HAIR POMADE; LOOSE OR COMPACT FACE POWDER, TOILET POWDER, SACHETS (IN POWDER, CREAM, AND LIQUID FORM); FACE CREAM, COLD CREAM, VANISHING CREAM, NIGHT CREAM, NECK AND THROAT CREAM, FRECKLE CREAM; ASTRINGENT, MAKE-UP BASES (CAKE, CREAM, AND LIQUID), FACE, LIP, AND NAIL ROUGE; BEAUTY CLAY; DENTIFRICES, MOUTH WASHES; NAIL BLEACH, NAIL POLISH (IN CAKE, CREAM, AND LIQUID FORM), PREPARATION FOR REMOVING THE CUTICLE, NAIL POLISH REMOVER, NAIL WHITENER STICK, NAIL BUFFING POWDER; HAND CREAM AND LOTION; UNDERARM DEODORANT, DEPILATORIES, LEG MAKE-UP; SUN TAN OIL AND LOTIONS; EYE-DROPS, EYEBROW PENCILS, EYEBROW AND EYELASH GROWER (IN PASTE AND LIQUID FORM), EYE SHADOW, MASCARA; BATH, SMELLING, AND REDUCING SALTS, BATH OIL AND BUBBLE BATH.
Claims use since 1882.

CLASS 7

CORDAGE

Reg. No. 338,670. Registered Sept. 15, 1936. A. LESCHEN & SONS ROPE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



The trade-mark consists of hempen, or fibre, or paper, or wire, or wire rope core colored red. The representation of the wire rope is disclaimed apart from the mark as shown.
FOR WIRE ROPE.
Claims use since Mar. 12, 1936.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 426,022. Registered Dec. 10, 1946. NEW ENGLAND GLASS WORKS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Jeray

FOR ORNAMENTAL JEWELRY—NAMELY, PINS, BROOCHES, LOCKETS, EARRINGS, BRACELETS, NECKLACES, COMPACTS, FINGER RINGS, PENDANTS, AND CIGARETTE CASES, MADE WHOLLY OR PARTLY OF PRECIOUS METAL.
Claims use since Feb. 1, 1946.

CLASS 10

FERTILIZERS

Reg. No. 36,619. Registered June 18, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE BRAND

FOR GRASS, CLOVER, AND FIELD SEEDS, SEED-GRAINS, BIRD-SEEDS, POPCORN, BEANS, DRIED PEAS, LAWN, VEGETABLE, AND GRAIN FERTILIZERS, AND SEED SOWERS.
Claims use since Oct. 1, 1897.

Reg. No. 99,039. Registered Aug. 11, 1914. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

NODOGEN

FOR CULTURES OF NODULE BACTERIA.
Claims use since Apr. 6, 1914.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 394,098. Registered Mar. 17, 1942. FORDYCE LUMBER COMPANY, Fordyce, Ark., a corporation of Arkansas. Republished by registrant.



FOR WOOD FLOORING AND WOOD TRIM.
Claims use since Dec. 1, 1926.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 108,601. Registered Feb. 15, 1916. HERR & COMPANY, Lancaster, Pa. Republished by Herco Oil Burner Corporation, Lancaster, Pa., a corporation of Pennsylvania.

HERCO

FOR DOOR-HINGES AND ENAMELED WARE.
Claims use since about Apr. 1, 1909.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 111,983. Registered Apr. 15, 1916. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

GOVERNMENT

FOR BABBITT METAL.
Claims use since Jan. 2, 1895.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 307,629. Registered Oct. 31, 1933. GOLDSMIT-BLACK, INC., Pittsburgh, Pa. Republished by H. N. Heusner & Son, Inc., Hanover, Pa., a corporation of Pennsylvania.



FOR CIGARS.
Claims use since about 1886.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 232,557. Registered Sept. 13, 1927. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR WOOLLY DOGS, DOLLS, RATTLES, SWINGS, BABY SWINGS, AND ROCKING DUCKS FOR CHILDREN.
Claims use since 1879.

Reg. No. 306,339. Registered Sept. 19, 1933. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR TOYS, GAMES, AND SPORTING GOODS—NAMELY, DOLLS, RUBBER BALLS, STUFFED BALLS, RUBBER TOYS, STUFFED ANIMALS, RATTLES, INFLATED RUBBER BEACH AND WATER TOYS, DOLL CARRIAGES, SAND PAILS AND SHOVELS, JUVENILE VEHICLES, MUSICAL BLOCKS, MUSICAL CHAIRS, MUSICAL CARRIAGES, MUSICAL CRADLES, ROCKING HORSES, SWINGS, PLAY YARDS, BEACH TOYS, GOLF TEE HOLDERS.
Claims use since 1884.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 36,619. Registered June 18, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE BRAND

FOR GRASS, CLOVER, AND FIELD SEEDS, SEED-GRAINS, BIRD-SEEDS, POPCORN, BEANS, DRIED PEAS, LAWN, VEGETABLE, AND GRAIN FERTILIZERS, AND SEED SOWERS.
Claims use since Oct. 1, 1897.

Reg. No. 249,035. Registered Nov. 6, 1928. THOMPSON PRODUCTS, INC., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

THOMPSON CNS

FOR PUMP SHAFTS AND POPPET VALVES FOR INTERNAL-COMBUSTION ENGINES.
Claims use since July 12, 1926.

Reg. No. 347,481. Registered June 29, 1937. KAY-BRUNNER STEEL PRODUCTS, INC., Alhambra, Calif., a Corporation of Delaware. Republished by registrant.

K-B MASTER

FOR MACHINES FOR FORMING, GRADING, RIPPING, AND OTHERWISE WORKING ROADS, HYDRAULIC PUMPS, AND HOISTS.
Claims use since Feb. 1, 1935.

Reg. No. 438,215. Registered Apr. 13, 1948. THE RAPIDS-STANDARD COMPANY, INC., Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

DURASTAN

FOR MOLDED PLASTIC WHEELS TO BE USED ON HAND TRUCKS FOR LIFTING AND ELEVATING BULK MATERIALS, DOLLIES PER SE, CRANES, JIGS AND FIXTURES, AND PORTABLE CONVEYOR SUPPORTS.
Claims use since Sept. 3, 1946.

Reg. No. 438,423. Registered Apr. 20, 1948. MARIO CARUSO, Newark, N. J., assignor to C-8 Laboratories. Republished by C-Eight Laboratories, New Bedford, Mass., a partnership.



The representation of a cigarette is disclaimed apart from the mark as shown.
FOR ELECTRIC CIGARETTE VENDING MACHINES.
Claims use since June 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 264,912. Registered Dec. 10, 1929. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.



The words "Moves Proportionately to Rate of Flow" are disclaimed apart from the mark as shown. The illustration of a bell float, gauge dial, and hand as a trade-mark for meters is also disclaimed apart from the mark as shown.
FOR LIQUID AND GAS METERS, VENTURI TUBES, PITOT TUBES, INDICATING RATE GAGES, RECORDING RATE GAGES, COMBINATION RECORDING AND INDICATING RATE GAGES, GAGES FOR INDICATING AND RECORDING THE LOSS OF HEAD THROUGH A FILTER AND RATE OF FLOW OR BOTH, GAGES INDICATING OR RECORDING RATE OF FLOW AND

TOTALIZING THE FLOW, MANOMETERS, DEVICES FOR MEASURING CHEMICALS AND FEEDING THEM PROPORTIONATELY TO A FLOWING STREAM, AND PITOT RECORDERS.
Claims use since July 25, 1928.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 212,762. Registered May 11, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; SILVER DRESSER SETS, AND SILVER TABLEWARE.
Claims use since 1916.

Reg. 426,022. Registered Dec. 10, 1946. NEW ENGLAND GLASS WORKS, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Jeray

FOR ORNAMENTAL JEWELRY—NAMELY, PINS, BROOCHES, LOCKETS, EARRINGS, BRACELETS, NECKLACES, COMPACTS, FINGER RINGS, PENDANTS, AND CIGARETTE CASES, MADE WHOLLY OR PARTLY OF PRECIOUS METAL.
Claims use since Feb. 1, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 281,853. Registered Mar. 31, 1931. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined for blue.
FOR CROCKERY AND DISHES OF PORCELAIN AND CHINA.
Claims use since 1910.

Reg. No. 281,854. Registered Mar. 31, 1931. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR CROCKERY AND DISHES OF PORCELAIN AND CHINA.
Claims use since 1910.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 118,732. Registered Oct. 2, 1917. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Super-Easy

FOR UPHOLSTERED FURNITURE—NAMELY, CHAIRS AND SETTEES.
Claims use since Dec. 15, 1916.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 106,209. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.
FOR PHONOGRAPHS, TALKING-MACHINES, PIANOS, ORGANS, AND MUSIC-BOXES.
Claims use since Aug. 10, 1910.

Reg. No. 106,210. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR PHONOGRAPHS, TALKING-MACHINES, PIANOS, ORGANS, AND MUSIC-BOXES.
Claims use since Aug. 10, 1910.

CLASS 37

PAPER AND STATIONERY

Reg. No. 217,402. Registered Aug. 31, 1926. COOKE & COBB COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FAVORITE

FOR EXPANDING FILES OF PAPER AND/OR FABRIC, LETTER AND INVOICE FILES OF PAPER AND/OR FABRIC, EXPANDING ENVELOPES, METAL CLIPS, METAL BOARD CLIPS, AND BINDERS.
Claims use since about the year 1885.

Reg. No. 441,099. Registered Oct. 19, 1948. ALLIED STORES CORPORATION, New York and Syracuse, N. Y., Seattle, Wash., and Paterson, N. J., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

HEIRLOOM

FOR WRITING PAPER, MAILING ENVELOPES, PRINTING PAPER, AND CORRESPONDENCE CARDS.
Claims use since Mar. 1, 1923.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 353,141. Registered Dec. 28, 1937. THE REGISTER & TRIBUNE COMPANY, Des Moines, Iowa. Republished by Cowles Magazines, Inc., Des Moines, Iowa, and New York, N. Y., a corporation of Iowa.

Photocrime

FOR PICTURE SECTION OF A NEWSPAPER.
Claims use since May 30, 1937.

CLASS 39

CLOTHING

Reg. No. 99,475. Registered Sept. 1, 1914. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

UNION-ALL

The drawing is lined for red and blue.
FOR OVERALL UNION SUITS.
Claims use since Mar. 15, 1914.

Reg. No. 129,176. Registered Jan. 27, 1920. THE H. D. LEE MERCANTILE CO., Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

THE DURA-BILT

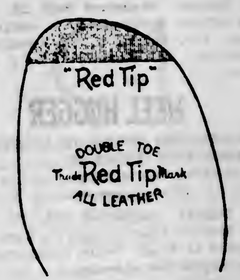
FOR WORK-CLOTHES, IN ONE, TWO, AND THREE PIECE GARMENTS.
Claims use since Apr. 7, 1919.

Reg. No. 130,792. Registered May 4, 1920. THE H. D. LEE MERCANTILE CO., Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR WEARING-APPAREL—VIZ., DRESS, NEGLIGEE, AND WORK SHIRTS, PANTS, OVERALLS, AND JACKETS, UNDERWEAR IN ONE AND TWO PIECE GARMENTS, HOSIERY, AND NECKTIES.
Claims use since June 16, 1919.

Reg. No. 164,240. Registered Feb. 13, 1923. KEEHN BROTHERS, Chicago, Ill. Republished by Le Roy D. Keehn (L. B. Keehn), doing business as Keehn Brothers, Chicago, Ill., a firm.



The color of the shoe tip in the drawing is red. The words "Trade-Mark," "Double Toe," and "All Leather" are disclaimed apart from the mark as shown.
FOR LEATHER SHOES.
Claims use since Jan. 1, 1922.

Reg. No. 170,078. Registered July 10, 1923. WATERVILLE TEXTILE MILLS, INC., Waterville, N. Y., a corporation of New York. Republished by registrant.



FOR CHILDREN'S UNDERWEAR.
Claims use since about May 10, 1922.

Reg. No. 211,535. Registered Apr. 13, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR HANDKERCHIEFS.
Claims use since 1882.

Reg. No. 217,769. Registered Sept. 7, 1926. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

CRAGMOOR

FOR TOPCOATS, OVERCOATS, COATS, VESTS, AND TROUSERS FOR MEN, YOUTHS, AND BOYS.
Claims use since Apr. 1, 1926.

Reg. No. 218,131. Registered Sept. 21, 1926. DUNN AND MCCARTHY, INC., Auburn, N. Y., a corporation of New York. Republished by registrant.

ENNA JETTICK

FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF THESE MATERIALS.
Claims use since Mar. 15, 1926.

Reg. No. 283,003. Registered Sept. 20, 1927. UTS & DUNN COMPANY, Rochester, N. Y., assignor to Dunn & McCarthy, Inc., Auburn, N. Y. Republished by Dunn and McCarthy, Inc., Auburn, N. Y., a corporation of New York.

HEEL HUGGER

FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Jan. 4, 1923.

Reg. No. 262,944. Registered Oct. 29, 1929. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

ReTeco

FOR COTTON SHEETS, COTTON PILLOW-CASES, COTTON HANDKERCHIEFS, COTTON DIAPERS, AND COTTON PIECE GOODS.
Claims use since November 1927.

Reg. No. 306,214. Registered Sept. 12, 1933. THE H. D. LEE MERCANTILE CO., Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

JELT

FOR WORK CLOTHING—NAMELY, OVERALLS, ONE PIECE WORK SUITS, AND GARAGE COATS.
Claims use since about Mar. 21, 1931.

Reg. No. 326,006. Registered July 9, 1935. THE H. D. LEE MERCANTILE CO., Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

LETTER-MAN CORDS

The word "Cords" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' CORDUROY TROUSERS.
Claims use since about July 1, 1934.

Reg. No. 362,249. Registered Nov. 15, 1938. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

The Best Twins

FOR HOSIERY, LEATHER AND FABRIC GLOVES; WOMEN'S, MISSES', AND CHILDREN'S DRESSES, NEGLIGEES, UNDERWEAR, CORSETS; AND LEATHER, CANVAS, AND RUBBER SHOES.
Claims use since Mar. 27, 1934.

Reg. No. 381,650. Registered Oct. 1, 1940. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

C-1

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, GLOVES MADE OF LEATHER AND TEXTILE FABRICS, NEGLIGEES, PAJAMAS, SWEATERS, OUTERSKIRTS, UNDERSKIRTS, BLOUSES, SOCKS, SCARFS, NECKWEAR SUCH AS COLLARS, DICKIES, GILETS, GUIMPS AND TIES, HANDKERCHIEFS, BATHING SUITS, PLAY SUITS, OUTERSHORTS, UNDERSHORTS, AND SKI CLOTHES SUCH AS SUITS, HOODS, PARKAS, HATS, CAPS, BONNETS, MITTENS MADE OF WOOL, GLOVES MADE OF WOOL, SOCKS MADE OF WOOL, SCARFS MADE OF WOOL, JACKETS MADE OF WOOL OR LEATHER, LADIES' PANTS MADE OF WOOL OR OTHER TEXTILE FABRIC, SWEATERS, VESTS, UNDERPANTS, UNDERVESTS, AND UNION SUITS.
Claims use since Jan. 27, 1935.

Reg. No. 390,450. Registered Sept. 23, 1941. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

COUNTRY PLAID

The word "Plaid" is disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, OUTERSKIRTS, UNDERSKIRTS, AND JACKETS MADE OF WOOL OR LEATHER.
Claims use since Sept. 21, 1938.

Reg. No. 430,728. Registered June 24, 1947. THE H. D. LEE COMPANY, INCORPORATED, Kansas City, Mo., a corporation of Kansas. Republished by registrant.

Lee

FOR WAISTBAND OVERALLS.
Claims use since Nov. 2, 1945.

Reg. No. 430,729. Registered June 24, 1947. THE H. D. LEE COMPANY, INCORPORATED, Kansas City, Mo., a corporation of Kansas. Republished by registrant.



The drawing is lined for gold and blue.
FOR BIB OVERALLS, WAISTBAND OVERALLS, OVERALL JACKETS, WORK AND UTILITY TROUSERS, WORK SHIRTS AND UTILITY SHIRTS, ONE-PIECE WORK SUITS, SERVICE OR SHOP COATS, BLOUSES, BREECHES, TOOL AND SHOP APRONS, AND SHOP CAPS.
Claims use since Nov. 2, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 262,944. Registered Oct. 29, 1929. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

ReTeco

FOR COTTON SHEETS, COTTON PILLOW-CASES, COTTON HANDKERCHIEFS, COTTON DIAPERS, AND COTTON PIECE GOODS.
Claims use since November 1927.

Reg. No. 360,806. Registered Sept. 27, 1938. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR BED SHEETS, PILLOW CASES, TOWELS, SLIP COVERS, FURNITURE SCARFS, TEXTILE RUG PADS, AND DOILIES.
Claims use since Aug. 10, 1910.

Reg. No. 365,883. Registered Mar. 21, 1939. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Glenconner

FOR WOVEN WOOLEN MATERIAL—NAMELY, TWEEDS IN THE PIECE.
Claims use since Oct. 17, 1938.

Reg. No. 365,900. Registered Mar. 21, 1939. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LEWISPUN TWEED

The word "Tweed" is disclaimed apart from the mark as shown.
FOR WOVEN WOOLEN MATERIALS—NAMELY, TWEEDS IN THE PIECE.
Claims use since Oct. 24, 1938.

Reg. No. 384,765. Registered Feb. 4, 1941. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

C-1

FOR WOVEN WOOLEN MATERIALS—NAMELY, TWEEDS AND GABARDINES IN THE PIECE, ALSO TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, WOOL, COTTON, AND COMBINATIONS THEREOF.
Claims use since Jan. 27, 1935.

Reg. No. 442,616. Registered May 3, 1949. RAXON FABRICS CO., New York, N. Y., assignor to Raxon Fabrics Corp. Republished by Raxon Fabrics Corp., New York, N. Y., a corporation of New York.

RAXON

FOR SILK AND RAYON FABRICS IN THE PIECE.
Claims use since Oct. 1, 1941.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 370,097. Registered Aug. 15, 1939. C. C. CALLAWAY, JR., Atlanta, Ga. Republished by National Nu-Grape Company, Atlanta, Ga., a corporation of Georgia.

Gold Dot

The drawing is lined for the color orange.
FOR NON-ALCOHOLIC MALTLESS CARBONATED BEVERAGES, SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED IN MAKING SAME.
Claims use since Feb. 3, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 36,619. Registered June 18, 1901. THE ALBERT DICKINSON CO., Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE BRAND

FOR GRASS, CLOVER, AND FIELD SEEDS, SEED-GRAINS, BIRD-SEEDS, POPCORN, BEANS, DRIED PEAS, LAWN, VEGETABLE, AND GRAIN FERTILIZERS, AND SEED SOWERS.
Claims use since Oct. 1, 1897.

Reg. No. 78,757. Registered July 5, 1910. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

MOTHER GOOSE

FOR COFFEE AND CANNED FRUITS AND VEGETABLES.
Claims use since 1902.

Reg. No. 78,908. Registered July 12, 1910. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

SUMMER GIRL BRAND

FOR COFFEE, FLAVORING EXTRACTS, CANNED VEGETABLES, CANNED SAUER-KRAUT, CANNED FRUITS, CANNED FISH, TOMATO CATSUP, BLENDED CANE AND CORN TABLE SYRUP, SEEDED RAISINS, AND MINCE-MEAT.
Claims use since 1902.

Reg. No. 81,279. Registered Mar. 21, 1911. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR BAKING POWDER, BAKING SODA, CREAM OF TARTAR, LAUNDRY BLUE, AMMONIA, GLOSS STARCH, SPIRITS OF CAMPHOR, TURPENTINE INTENDED TO BE USED FOR MEDICINAL PURPOSES, GLYCERIN, CASTOR-OIL, AND JAMAICA GINGER.
Claims use since August 1889.

Reg. No. 81,727. Registered May 2, 1911. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR PEANUT BUTTER, FRUIT JAM, CREME-DE-MENTHE CHERRIES, ORANGE MARMALADE, OLIVES, FRUIT PRESERVES, APPLE-BUTTER, MARASCHINO CHERRIES, MUSTARD, BLENDED COFFEE, MAPLE SYRUP, EIGHTY PER CENT CORN AND TWENTY PER CENT ROCK CANDY SYRUP, SIXTY PER CENT SORGHUM AND FORTY PER CENT CORN SYRUP, CORN STARCH, OLIVE OIL, SWEET OIL, TOMATO CATSUP, SUGAR, MINCE MEAT, DRIED CURRANTS, SEEDED RAISINS, DRIED RASPBERRIES, RICE, CHOCOLATE, TEA, FLAVORING EXTRACTS AND ESSENCES, SELF-RISING BUCKWHEAT, PANCAKE, AND CAKE FLOUR, TAPIOCA, SAGO, ROLLED OATS, PICKLES, SPICES, PEPPER, TOBASCO, WORCESTERSHIRE, AND MINT SAUCE, VINEGAR, AND CANNED FRUITS, VEGETABLES, SAUERKRAUT, HOMINY, FISH, AND OYSTERS.
Claims use since August 1889.

Reg. No. 86,067. Registered Apr. 9, 1912. THE H. D. LEE MERCANTILE CO., Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

CADET

FOR DRIED APRICOTS, DRIED APPLES, DRIED PEACHES, DRIED PEARS, DRIED PRUNES, CAKE-FLOUR, BUCK WHEAT FLOUR, PANCAKE FLOUR, GRIDDLE CAKE FLOUR, SPICES, SWEET CORN, CANNED BLACK RASPBERRIES, CANNED SALMON, CANNED GOOSEBERRIES, CANNED WHITE-HEATH PEACHES, CANNED LEMON CLING PEACHES, CANNED DAMSON PLUMS, SORGHUM, SEEDED RAISINS, EVAPORATED RASPBERRIES, CLEANED CURRANTS, ROLLED OATS, SAGO, RICE, TAPIOCA, BARLEY, MINCE-MEAT, COFFEE, CANNED BLACKBERRIES, CANNED TOMATOES, CANNED YELLOW FREE PEACHES, CANNED PINEAPPLE, CANNED PEARS, BLACK CHERRIES, CANNED EGG PLUMS, VANILLA EXTRACT, LEMON EXTRACT, PREPARED MUSTARD, FRUIT PRESERVES, MALT VINEGAR, CATSUP, PICKLES, OLIVES, TEA, CANNED OYSTERS, CANNED EARLY JUNE PEAS, CANNED STRAWBERRIES, CANNED HOMINY, CANNED APRICOTS, CANNED WHITE CHERRIES, AND CORN SYRUP.
Claims use since Oct. 9, 1911.

Reg. No. 99,708. Registered Sept. 15, 1914. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

LITTLE BUSTER

FOR POPPING CORN.
Claims use since about Apr. 1, 1914.

Reg. No. 99,709. Registered Sept. 15, 1914. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR POPPING CORN.
Claims use since about Apr. 1, 1914.

Reg. No. 105,293. Registered July 13, 1915. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

RIVAL

FOR POULTRY FEED.
Claims use since Feb. 13, 1915.

Reg. No. 110,925. Registered June 20, 1916. THE H. D. LEE MERCANTILE CO., Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

SENSATION



The words "National Daily," "Brand Canned Goods," and "Absolutely Pure" are disclaimed apart from the mark as shown.
FOR CANNED FRUITS, CANNED VEGETABLES, CANNED SWEET POTATOES, CANNED SAUERKRAUT, CANNED OYSTERS, CANNED SALMON, CANNED HOMINY, AND TEA.
Claims use since December 1897.

Reg. No. 112,115. Registered Aug. 22, 1916. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

RIVAL

FOR MIXED FEEDS FOR HORSE, MULE, AND DAIRY USE.
Claims use since Dec. 27, 1915.

Reg. No. 119,968. Registered Dec. 25, 1917. THE H. D. LEE MERCANTILE CO., Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

MOTHER GOOSE

FOR CANNED SALMON.
Claims use since 1902.

Reg. No. 172,965. Registered Sept. 11, 1923. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

PINE TREE

FOR POULTRY FEED.
Claims use since Oct. 1, 1897.

Reg. No. 207,219. Registered Dec. 22, 1925. ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Republished by Orange Heights Orange Association, Corona, Calif., a corporation of California.

HOMER

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1905.

Reg. No. 222,348. Registered Dec. 28, 1926. AZUSA CITRUS ASSOCIATION, Azusa, Calif., a corporation of California. Republished by registrant.

BLACK CRUSADER

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since October 1914.

Reg. No. 226,214. Registered Apr. 5, 1927. TULARE COUNTY LEMON AND GRAPEFRUIT ASSOCIATION, Porterville, Calif., a corporation of California. Republished by registrant.

Morning Smile

FOR FRESH CITRUS FRUITS—NAMELY, GRAPEFRUIT AND LEMONS.
Claims use since Nov. 9, 1918.

Reg. No. 226,215. Registered Apr. 5, 1927. TULARE COUNTY LEMON AND GRAPEFRUIT ASSOCIATION, Porterville, Calif., a corporation of California. Republished by registrant.

Vesper

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Oct. 29, 1917.

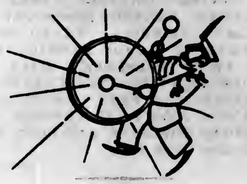
Reg. No. 266,446. Registered Jan. 21, 1930. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

DYNAMITE

FOR SHELLED RAW POP CORN.
Claims use since about January 1926.

Reg. No. 283,322. Registered May 26, 1931. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

Big Buster



FOR POPCORN IN ITS NATURAL STATE.
Claims use since Dec. 8, 1930.

Reg. No. 289,320. Registered Nov. 24, 1931. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



FOR DOG FOOD.
Claims use since May 25, 1931.

Reg. No. 291,204. Registered Feb. 2, 1932. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

LITTLE BUSTER



FOR POPPING CORN AND SEASONING FOR POPCORN.
Claims use since Apr. 1, 1914.

Reg. No. 304,304. Registered June 27, 1933. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.



The word "Brand" is disclaimed apart from the mark as shown.
FOR POPCORN DRESSING MADE OF PURE COCOANUT OIL.
Claims use since Jan. 30, 1933.

Reg. No. 320,351. Registered Dec. 25, 1934. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

ZENITH

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 1, 1916.

Reg. No. 320,352. Registered Dec. 25, 1934. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

TWO CROWN

FOR FRESH CITRUS FRUITS.
Claims use since January 1917.

Reg. No. 320,353. Registered Dec. 25, 1934. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

ONE STAR

FOR FRESH CITRUS FRUITS.
Claims use since February 1917.

Reg. No. 322,032. Registered Feb. 26, 1935. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

Sublime

FOR FRESH CITRUS FRUITS.
Claims use since July 25, 1934.

Reg. No. 322,337. Registered Mar. 5, 1935. MURPHY OIL COMPANY, doing business as Murphy Ranch, Whittier, Calif. Republished by Murphy Ranch Company, Whittier, Calif., a corporation of Delaware.

Three Star

FOR FRESH CITRUS FRUITS.
Claims use since January 1917.

Reg. No. 328,385. Registered Sept. 24, 1935. GRESHAM BERRY GROWERS, Gresham, Oreg., a corporation of Oregon. Republished by registrant.

CHIEF WAUNA

FOR CANNED FRUITS.
Claims use since February 1933.

Reg. No. 338,701. Registered Sept. 15, 1936. J. C. WILSON, Nogales, Ariz., and Bamoa, Mexico. Republished by Productos De Bamoa, S. A., Sinaloa, Mexico, a corporation of Mexico.



No claim is made to the representation of the tomatoes, or to the outline of the label, apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Apr. 10, 1936.

Reg. No. 345,325. Registered Apr. 20, 1937. J. S. HOFFMAN CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR CHEESE.
Claims use since October 1936.

Reg. No. 351,175. Registered Oct. 19, 1937. JOSEPH O. EBY, Oakland, Calif. Republished by registrant.

ACHIEVEMENTS

FOR CANDY.
Claims use since Apr. 20, 1937.

Reg. No. 358,922. Registered July 26, 1938. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938), Chicago, Ill., a corporation of Illinois.

GLOBE

FOR STOCK FEED—NAMELY, RABBIT FEED, HORSE FEED, CALF FEED, DAIRY BALANCER, PIG FEED, CATTLE FEED, GOAT FEED; AND POULTRY FEED—NAMELY, TURKEY AND CHICKEN FEED.
Claims use since Oct. 1, 1890.

Reg. No. 361,078. Registered Oct. 4, 1938. D'ARRIGO BROS. COMPANY, San Jose, Calif. Republished by D'Arrigo Bros. Co. of California, San Jose, Calif., a corporation of California.

ANDY BOY

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, CANNED FRUITS AND VEGETABLES.
Claims use since July 1928.

Reg. No. 362,524. Registered Nov. 22, 1938. WAPLES-PLATTER COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.



FOR CANNED GOODS, AS FOLLOWS: APRICOTS, ARTICHOKES, ASPARAGUS TIPS, BARTLETT PEARS, BEETS, BLACKEYED PEAS, BLACK RASPBERRIES, CARROTS, CATSUP; CHERRIES—RED PITTED; CHERRIES—ROYAL ANNE; COFFEE, CORN, DE LUXE PEACHES, EGG PLUMS, FRUIT COCKTAIL, FRUIT SALAD, GRAPES, GREEN GAGE PLUMS, HOMINY, HONEY, LIMA BEANS, LOGANBERRIES, MEXICAN STYLE BEANS, EVAPORATED MILK, MUSTARD GREENS, OKRA, OKRA AND TOMATO SAUCE, OLIVE OIL; PEACHES—SLICED AND HALVES; PEANUT BUTTER, PEAS, PICKLED APRICOTS, PICKLED PEACHES, PICKLED PEARS, PIMIENTOS; PINEAPPLE—SLICED; PORK AND BEANS; PRUNES—FRESH; PUMPKIN, QUEEN OLIVES, RED BEANS, RED KIDNEY BEANS, RED RASPBERRIES, RIPE OLIVES, SALMON, SHRIMP, SOUP, SPAGHETTI, SPINACH, STRAWBERRIES, STRINGLESS BEANS; SYRUP—PURE RIBBON CANE; TOMATOES, TOMATO JUICE, TOMATO PUREE, TUNA FISH, TURNIP GREENS, CHILI CON CARNE; AND FOR CANNED BABY FOODS, AS FOLLOWS—APPLES, ASSORTED VEGETABLES, VEGETABLES WITH BEEF BROTH, VEGETABLE SOUP, BEANS, GREEN BEANS, BEETS, CARROTS, CELERY, PEAS, PRUNES, SPINACH, AND TOMATOES; AND FOR CANNED JAMS, AS FOLLOWS—GRAPE, LOGANBERRY, BLACK RASPBERRY, RED RASPBERRY; AND FOR CANNED JELLIES, AS FOLLOWS—RED CURRANT, BLACKBERRY, GRAPE, CONCORD GRAPE; MINT, GREEN MINT, PINEAPPLE, PLUM, STRAWBERRY; AND FOR CANNED PRESERVES, AS FOLLOWS—APRICOT, BLACKBERRY, CHERRY, PINEAPPLE, PINE COT, BEING A MIXTURE OF PINEAPPLE AND APRICOT; PLUM, PEACH, BLACK RASPBERRY, RED RASPBERRY, STRAWBERRY, RED CURRANT, WHOLE FIG; AND FOR PACKAGE GOODS, AS FOLLOWS: SPICES, AS FOLLOWS—ALLSPICE, CINNAMON, CLOVES, GINGER, NUTMEG, MUSTARD, PAPRIKA, BLACK PEPPER, RED PEPPER, WHITE PEPPER, SAGE, TURMERIC, SAVORY, THYME, MARJORAM, MACE, CURRY POWDER, GARLIC POWDER, ONION POWDER, ANISE SEED, BAY LEAVES, CELERY SEED, COMINOS SEED; MIX PICKLING, BEING A SEASONING FOR PICKLING; MEXICAN CHILI PETINE, BEING A MEXICAN SEASONING; CARAWAY SEED, AND JAPAN CHILLIES; AND BRAN FLAKES, COCOANUT, COFFEE, CORN FLAKES, GLACE PEEL, ICE CREAM POWDER, MARSHMALLOWS; MINCE MEAT, RAISINS, RICE, ROLLED OATS, EGG NOODLES, DRIED APPLES; AND FOR BOTTLED GOODS, AS FOLLOWS—BLACK PEPPER, CHILI POWDER, CHILI BLEND POWDER, CELERY SALTS, GARLIC POWDER, ONION POWDER, CATSUP, CHILI SAUCE, HONEY, HOT SAUCE, MARASCHINO CHERRIES, MINCE MEAT, OLIVE OIL, PEANUT BUTTER, PEPPER SAUCE, PIMIENTOS, QUEEN OLIVES, RIPE OLIVES, SALAD MUSTARD, SHRIMP, STUFFED OLIVES, VINEGAR, MAYONNAISE, THOUSAND ISLAND DRESSING, LEMON EXTRACT FOR FOOD PURPOSES, VANILLA EXTRACT FOR FOOD PURPOSES; AND PICKLES, AS FOLLOWS—DILL, SOUR, SWEET, SWEET RELISH; AND FOR JAMS, AS FOLLOWS—GRAPE, LOGANBERRY, RED RASPBERRY, AND BLACK RASPBERRY; AND FOR JELLIES, AS FOLLOWS—RED CURRANT, BLACKBERRY, GRAPE, CONCORD GRAPE, MINT, GREEN MINT, PINEAPPLE, PLUM, AND STRAWBERRY; AND FOR PRESERVES, AS FOLLOWS—APRICOT, BLACKBERRY, CHERRY, PINEAPPLE; PINE COT, BEING A MIXTURE OF PINEAPPLE AND APRICOT; PLUM, PEACH, BLACK RASPBERRY, RED RASPBERRY, STRAWBERRY, RED CURRANT, WHOLE FIG; AND FOR ORANGE MARMALADE.
Claims use since 1885.

Reg. No. 378,993. Registered June 25, 1940. CHAMPION ORANGE COMPANY, Redlands, Calif. Republished by Allen Break, Brys Mawr, Calif., a copartnership.

Seal Rock

FOR FRESH CITRUS FRUITS.
Claims use since 1909.

Reg. No. 382,682. Registered Nov. 5, 1940. MURPHY PRODUCTS COMPANY, Burlington, Wis., a corporation of Wisconsin. Republished by registrant.

CUT-COST

FOR FEED FOR HOGS, CATTLE, SHEEP, AND HORSES.
Claims use since 1935.

Reg. No. 382,683. Registered Nov. 5, 1940. MURPHY PRODUCTS COMPANY, Burlington, Wis., a corporation of Wisconsin. Republished by registrant.

VIG-O-RAY

FOR POULTRY FEED.
Claims use since 1935.

Reg. No. 396,857. Registered Aug. 4, 1942. MUTUAL PRODUCTS COMPANY, Minneapolis, Minn. Republished by Mutual Products Co., Minneapolis, Minn., a corporation of Minnesota.

Dairyade

FOR STOCK FOOD CONTAINING MILK INGREDIENTS.
Claims use since on or about Aug. 1, 1929.

Reg. No. 442,216. Registered Mar. 15, 1949. BERNARD S. PINCUS COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



Yankee Maid

FOR MEATS AND MEAT PRODUCTS—NAMELY, FRANKFURTERS, SMOKED AND COOKED HAMS, PORK SHOULDER BUTTS, PORK SAUSAGES, AND PORK AND BEEF SAUSAGES.
Claims use since the spring of 1938.

Reg. No. 442,698. Registered May 17, 1949. MARS, INCORPORATED; Chicago, Ill., a corporation of Delaware. Republished by registrant.

Curtain Time

FOR CANDY BARS.
Claims use since Jan. 30, 1946.

REISSUES

OCTOBER 4, 1949

23,153
FRAMING ELEMENTS
Frederick Kauts, Glenolden, Pa.
Original No. 2,412,618, dated December 17, 1946, Serial No. 374,568, January 15, 1941. Application for reissue December 16, 1947, Serial No. 791,973
15 Claims. (Cl. 189—84)

1. A structural device comprising a mesh web and a frame support therefor having an elongated support member being substantially of angular form in transverse section, said support member having elongated sections extended longitudinally of the member with sides forming flanges in the member disposed substantially in divergent relation to each other to define said angular form, said mesh web having a marginal portion engaged between said sections at the junction thereof and exposed at a side of said member lying away from



the body of the mesh web, welding material employed to secure said marginal portion of the web to said support member, and said welding material being located substantially at said side of the member lying away from the body of the web.

PLANT PATENTS

GRANTED OCTOBER 4, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

877
ROSE PLANT
Stanley B. Roberts, Westport, Conn.
Application July 24, 1947, Serial No. 763,391
1 Claim. (Cl. 47—61)

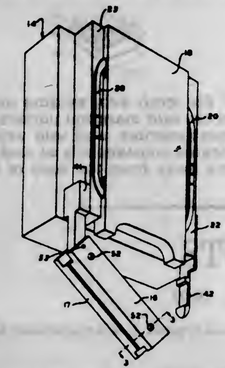
The new and distinct variety of hybrid tea rose plant of the general Talisman type, substantially as herein disclosed, characterized particularly by its very strong stems; the greater petalage of its blooms; and the distinctive bright color of its blooms which differs considerably in various stages of opening but which falls in the range between Rose Doree and Jasper Red.

101

PATENTS

GRANTED OCTOBER 4, 1949

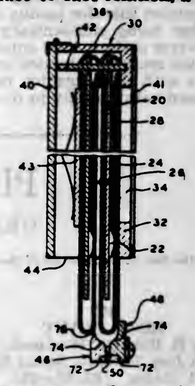
2,483,389
FILM-HOLDER FOR SELF-DEVELOPING CAMERAS
Otto E. Wolff, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 10, 1948, Serial No. 1,539
17 Claims. (Cl. 95—13)



1. A photographic apparatus comprising means for releasably positioning a multilayer photographic film unit in said photographic apparatus, said film unit having at least two layers of material one of which is a photosensitive layer, said means being so constructed that a predetermined image area on said photosensitive layer can be exposed to actinic light and said photosensitive layer and another of said layers of material can be drawn therefrom in face-to-face relation, two substantially parallel rigid members spaced from each other a predetermined distance and mounted against movement towards or away from each other, said parallel members being so positioned with respect to said means that said photosensitive layer and said other layer of material can be drawn therebetween in face-to-face relation, a portion of the space between said parallel members comprising a pressure-generating throat whereby a hydraulic pressure can be generated in a liquid located between said layers of material to cause said liquid to pass between said parallel members with said layers of material to form a layer having a substantially uniform predetermined thickness, said pressure-generating throat terminating in nonpressure-generating portions capable of preventing said liquid from spreading beyond the marginal edges of said layers of material.

2,483,390
SELF-DEVELOPING FILM HOLDER
Millard T. Gannon, Westwood, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 10, 1948, Serial No. 1,541
2 Claims. (Cl. 95—13)

1. In a photographic apparatus comprising means for releasably positioning a layer of photosensitive material and another layer of material in said apparatus, said means being so constructed that a predetermined image area on said photosensitive layer can be exposed to actinic light and said photosensitive layer and said other layer can be drawn therefrom in face-to-face relation, the combination with said means of two substantially parallel rigid members spaced from each other a predetermined distance, said parallel members being so positioned with respect to said means that said photosensitive layer and said other layer of material can be drawn therebetween in face-to-face relation, a portion of the

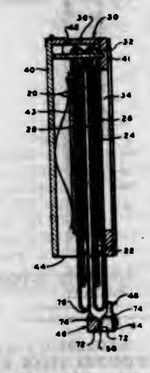


space between said parallel members comprising a pressure-generating throat whereby a hydraulic pressure can be generated in a liquid located between said layers of material to cause said liquid to form a layer of substantially uniform thickness between said layers of material, each said member having a curved surface which forms part of said pressure-generating throat, each said curved surface being bounded on the bottom edge thereof by a relatively flat surface, said curved surface so merging with the bottom flat surface that the line of merger is a curved line which is arched upwardly in a direction opposite to the direction in which said layers of material pass between said members.

2,483,391
DEVELOPING MAGAZINE FOR CAMERAS
Millard T. Gannon, Westwood, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 10, 1948, Serial No. 1,556
11 Claims. (Cl. 95—13)

1. A photographic device comprising a means adapted to hold a plurality of multilayer photographic film units for successive exposure and processing, said film units comprising at least two layers of material one of which is a photosensitive layer, said device being so constructed that a predetermined image area on said photosensitive layer of each of said photographic film units can be exposed to actinic light and the exposed photosensitive layer and another of said layers of material can be drawn therefrom in face-to-face relation, and two substantially parallel rigid

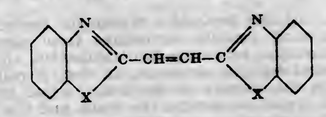
members spaced from each other a predetermined distance and slidably and pivotally mounted on said device exteriorly thereof, said parallel members being so positioned with respect to said device that they can be moved to a position wherein said exposed photosensitive layer and said other layer of material can be drawn therebetween in



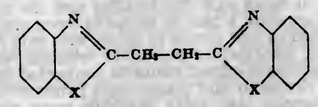
face-to-face relation, a portion of the space between said parallel members comprising a pressure-generating throat whereby a hydraulic pressure can be generated in a liquid located between said layers of material to cause said liquid to pass between said parallel members with said layers of material to form a layer of uniform predetermined thickness.

2,483,392
SUBSTITUTED ETHYLENES AND PROCESS OF MAKING SAME
Jules Meyer, Basel, and Frans Ackermann, Binningen, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application December 12, 1946, Serial No. 715,646. In Switzerland, December 18, 1945
10 Claims. (Cl. 260—240)

1. Process for the manufacture of a substituted ethylene containing the atomic skeleton



wherein both X's are identical members of the group consisting of O and S, which comprises heating a member selected from the group consisting of ethanes of the formula

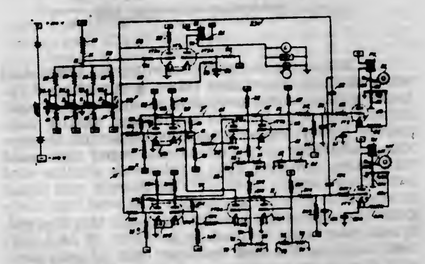


wherein X has the above mentioned meaning, and their salts with a dehydrogenating agent at a temperature exceeding 80° C., but lower than the decomposition temperature of the parent material.

2,483,393
ENAMEL OPACIFIER AND METHOD OF PRODUCING AN ENAMEL THEREFROM
William J. Baldwin, Snyder, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1945, Serial No. 629,911
6 Claims. (Cl. 106—48)

1. A fritted composition suitable for use as a mill addition opacifier for enamel frits of the type which develop opacity in heating which comprises 10 to 40% titanium oxide, 25 to 65% aluminum oxide and 25 to 45% phosphorus pentoxide.

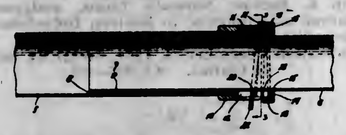
2,483,394
CONTROL SYSTEM
John L. Barker, Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated, a corporation of Delaware
Application December 21, 1944, Serial No. 569,191
21 Claims. (Cl. 235—92)



1. Means for counting vehicles proceeding along a traffic lane, including a switch unit having at least three switches so spaced that a vehicle wheel travelling thereover in a continuing direction will close two switches simultaneously, with momentary overlapping closure of three; an electrically energized counter; an electrically potentialized circuit connected therewith for actuating the same, and means for establishing, in stages, a priming potential and an actuating potential in said circuit; said means including vacuum tube toggle switching means electrically in circuit with said switches and normally stable, with any two of said switches open, to connect said actuator circuit to ground by vacuum tube conduction and having a second condition of stable equilibrium to interrupt said ground connection when any two of said switches are closed; vacuum tube means electrically in circuit with all three of said switches and with said toggle switching means to prepare the latter for transition to said second condition of equilibrium so long as any two of said switches are closed; a second vacuum tube means electrically in circuit with the two switches first closed by a vehicle in passing over said switch unit and in circuit with said toggle switching means to bias the latter to its said second position of equilibrium as said two switches are closed; a third vacuum tube means electrically in circuit with said first-closed two switches for restoring connection between said actuator circuit and ground by vacuum tube conduction as said two switches are closed and interrupting said ground connection as one of said two switches is opened during travel of the vehicle over said switch unit; voltage divider means in said actuator circuit to maintain a counter non-operating potential therein while said circuit is grounded and upon interruption of said ground connection to prime the potential

in said circuit to a value and polarity approaching a threshold value of operation of said counter; and means electrically connected to said actuator circuit and energized from said first-named vacuum tube means as the third of said switches is opened upon continuing travel of said vehicle to momentarily raise the potential in said circuit to above the threshold level for operation of the said counting means.

2,483,395
TELESCOPING STRUCTURE
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application May 14, 1945, Serial No. 593,670
2 Claims. (Cl. 287—58)



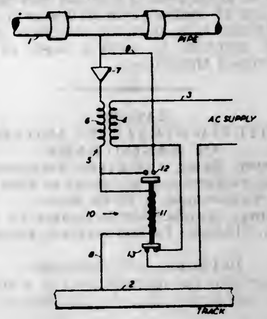
1. A telescopic structure, comprising inner and outer slidably interfitted tubes, a cup-shaped tubular enlargement provided at one end of said outer tube with its wall projecting axially outwardly therefrom and coaxial therewith to provide a chamber surrounding said inner tube, said wall being provided with a relatively shallow slot extending axially from the rim thereof and being provided in another part with a second relatively deep slot extending axially from the rim thereof, a cap removably secured to said rim of said wall and covering the end portions only of said slots and having an opening receiving said inner tube, a member arranged in said chamber and loosely embracing said inner tube when arranged at right angles thereto and seizing said inner tube when moved to a cocked position with reference to the axis of said inner tube, a tongue projecting radially outwardly from said member and fulcrumed in said first slot, a second tongue projecting radially outwardly from another part of said member and through said second slot and forming a fingerpiece for manually moving said member to said position at right angles to release said inner tube, and spring means in said chamber and surrounding said inner tube and interposed between said cap and member to bias said member to said cocked position.

2,483,396
TELESCOPIC STRUCTURE
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application June 16, 1945, Serial No. 599,925
4 Claims. (Cl. 287—58)

1. A telescopic structure, comprising inner and outer slidably and rotatably interfitted cylindrical tubes, the inside diameter of said outer tube being substantially larger than the outside diameter of said inner tube to form an annular chamber therebetween, a pair of members projecting laterally outwardly from one end of said inner tube and from opposite sides thereof into said chamber, and a pair of semi-cylindrical plates within said chamber conforming to the bore of said outer tube, means securing said plates to opposite sides of said bore, said plates having opposing axially extending edges spaced to provide a pair of axially extending ways of sufficient width to receive said members of said inner tube, each of said plates having a recess to receive the corresponding member and releasably support said inner tube in an extended position.

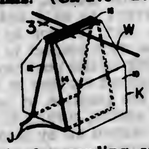


2,483,397
CATHODIC PROTECTION SYSTEM
Walter F. Bonner, Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 13, 1945, Serial No. 610,643
4 Claims. (Cl. 171—316)



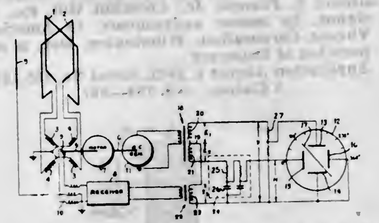
4. A cathodic protective system for protecting underground metallic structures from electrolytic corrosion, including, in combination, an underground metallic structure, an electric railway track in the vicinity of the underground structure, a circuit connecting the track and the underground structure, a rectifier connected in said circuit, a source of electromotive force, a transformer having a primary winding connected to said source and a secondary winding connected in said circuit in series with said rectifier, a relay having an operating winding connected in said circuit in series with the rectifier and the transformer winding, a pair of normally-open contacts connected to said circuit in shunt with said rectifier and transformer secondary winding, and a set of normally-closed contacts connected in the supply circuit to said transformer primary winding, whereby said relay operates upon rise of current in said circuit above a predetermined value to short circuit the rectifier and transformer secondary winding and to disconnect said source of electromotive force from the transformer primary winding.

2,483,398
RECORDING PROCESS UTILIZING THE MAGNETIC FIELD OF A CURRENT CONDUCTED BY THE RECORD MEMBER
William A. Brastad and Lester F. Borchardt, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
Application March 3, 1945, Serial No. 580,820
12 Claims. (Cl. 179—100.2)



1. The method of recording sound on paramagnetic wire comprising moving the wire at a uniform rate across electrodes closely spaced longitudinally of the wire and in contact therewith, and impressing on the electrodes a suitable direct current voltage and a pulsating voltage to be recorded whereby a conduction current through the recording wire causes the sound to be recorded magnetically on the wire.

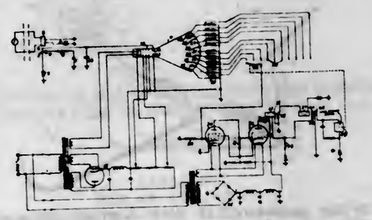
2,483,399
RADIO DIRECTION FINDER
Gordon S. Burroughs, Forest Hills, N. Y., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application April 9, 1946, Serial No. 660,613
5 Claims. (Cl. 343—118)



1. A radio direction finder comprising a first source of alternating voltage, a second source producing a single phase alternating voltage, the phase relation of the voltages of the two mentioned sources being variable in response to varying directions of a received radio wave; means for comparing and visually indicating said phase relation comprising a cathode ray tube with right-angle beam deflectors, means to combine said first and second voltages to obtain separate vector sum and difference voltage components thereof, connections to apply one component to one beam deflector, a 90 degree phase shifter, and connections to apply the other component through said phase shifter to the remaining beam deflector.

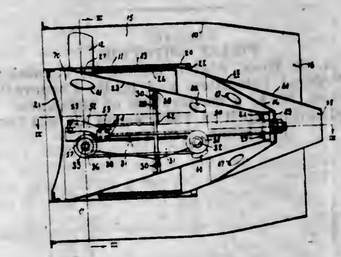
2,483,400
ELECTRONIC SWITCH
Trevor H. Clark, Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 13, 1947, Serial No. 747,873
In France May 26, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1959
6 Claims. (Cl. 177—353)

1. A control arrangement comprising a cathode ray tube including beam forming means, beam deflecting means, and a plurality of target electrodes arranged so that the particular electrode impinged upon by the beam is determined by the beam deflection, means for producing a selected number of pulses, means controlling the beam deflecting means and responsive to said pulses for deflecting the beam to a degree determined by the number of pulses, a line finder including a movable brush, a plurality of contacts



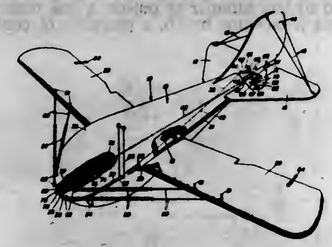
each connected to a separate one of said electrodes and adapted to pass a portion of the electron beam current impinging upon said electrode to said movable brush, a driving mechanism for moving said brush over said contacts successively and means responsive to the flow of current from one of said contacts through said brush for deenergizing said driving mechanism to thereby halt said brush.

2,483,401
EXHAUST NOZZLE ACTUATING MECHANISM
Russell H. Cole, Pasadena, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1947, Serial No. 752,623
1 Claim. (Cl. 60—35.6)



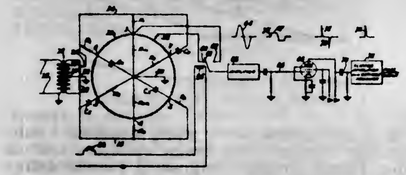
In a gas turbine power plant including a substantially tubular outer casing structure and an inner casing structure supported therein defining an annular flow passage terminating in an annular discharge nozzle through which motive fluid under pressure is expelled for providing a propulsion force, the combination therewith of a movable core member operative to vary the flow area of said nozzle, a casing section secured within the rear end of said inner casing structure defining a ventilated chamber and carrying a terminal bushing, an axially-disposed operating rod constituting the sole support for said core member and slidably extending through said bushing into said chamber, and operating means therefor mounted within said chamber including spaced rotary elements, and a cable movable thereby for operating said rod.

2,483,402
ANTIAIRCRAFT TARGET
Lewis Stevens Cotten, United States Navy
Application December 12, 1944, Serial No. 567,879
4 Claims. (Cl. 273—105.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An anti-aircraft dive bomber simulating target comprising an aircraft simulating fuselage and tail means, wing members pivoted to said fuselage for movement between a retracted position along said fuselage for diving and an extended position for gliding, means movably attached to said target and adapted for releasably attaching said target to a launching aircraft, means normally urging said pivoted wing members to the extended gliding position, releasable means holding said wing members in the retracted diving position, a timing mechanism connected to said releasable holding means for releasing said means upon expiration of a predetermined time interval, means connecting said movable target attaching means and said timing mechanism for initiating operation of said timing mechanism upon movement of said target attaching means, and means connected to said target attaching means to move the same upon release of said target from the aircraft.

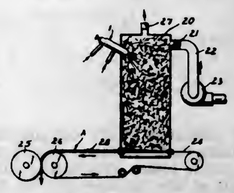
2,483,403
PHASE SHIFTER
Louis A. de Rosa, Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 24, 1943, Serial No. 484,795
11 Claims. (Cl. 178—44)



2. A 360° phase shifter comprising an impedance network including a potentiometer resistor having parts of the network connected thereto at six points spaced therealong, means to apply one side of an alternating current source to the parts connected to the first, second and sixth connecting points and the other side of the alternating current source to the third, fourth and fifth points, the parts of the network associated with the first and fourth points comprise resistors whereby the first and fourth points are 180° difference in phase, the parts associated with the second and fifth points being arranged to provide a phase advancement of 60° with respect to first and fourth points respectively, and the parts associated with the third and sixth points being arranged to provide a retardation of 60° in phase with respect to the fourth and first points respectively.

11. A phase shifter comprising an impedance network including a potentiometer-resistor having parts of the network connected thereto at points spaced therealong to provide a given phase shift between such points, means to apply an alternating current to said network, a contact movable along said resistor to pick off energy shifted in phase with respect to said alternating current according to the position of said contact, the energy picked off varying in amplitude in accordance with the position of said contact with respect to said points, means to limit the alternating current tapped off by said contact to produce a substantially rectangular wave-shape, said limit means including a vacuum tube having a control grid and a high resistor in series with the grid to minimize the effects of amplitude variation of energy applied thereto to render substantially constant the occurrence of the leading edges of the rectangular portions of said rectangular wave, means to differentiate said rectangular wave to produce alternate positive and negative pulses, and means to clip said pulses to produce unidirectional pulses defining a given point on the cycles of the alternating current wave according to the shift in phase determined by the position of the contact.

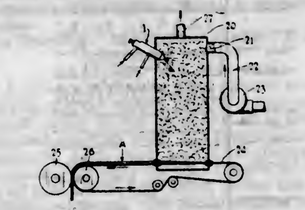
2,483,404
PROCESS OF MAKING A FIBROUS PRODUCT
Carleton S. Francis, Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 1, 1941, Serial No. 405,102
5 Claims. (Cl. 154—90)



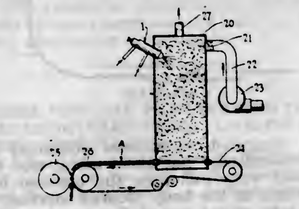
1. The method of spinning an unwoven fabric comprising: heating a plastic spinning material to a molten state; disrupting the molten material into a gaseous atmosphere into a plurality of filaments; and depositing the said filaments while sufficiently plastic to adhere to one another, upon a retaining wall in such a manner as to cause the filaments to intersect and unite into an integral pervious web.

2,483,405
FIBROUS PRODUCTS AND TEXTILES PRODUCED THEREWITH
Carleton S. Francis, Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 20, 1943, Serial No. 511,024
6 Claims. (Cl. 154—54)

1. As an article of manufacture, a fibrous product comprising a multiplicity of synthetic fibres formed from a synthetic organic potentially adhesive fibre-forming material, the composition of each synthetic fibre being substantially uniform throughout said fibre, admixed with a multiplicity of non-adhesive fibres, said synthetic fibres having cross-sectional areas varying irregularly throughout the length thereof and being of a smaller diameter than fibres obtainable by extrusion of said fibre-forming material through rayon spinnerettes and consequently contacting said non-adhesive fibres at substantially more points of contact than an equal weight of the synthetic fibres formed by such extrusion.



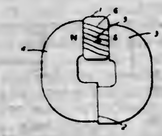
2,483,406
PROCESS AND APPARATUS FOR PRODUCING FIBROUS MATERIALS
Carleton S. Francis, Jr., West Harwich, Mass., assignor to American Viscose Corporation, Philadelphia, Pa., a corporation of Delaware
Original application November 20, 1943, Serial No. 511,024. Divided and this application December 16, 1947, Serial No. 792,020
11 Claims. (Cl. 154—29)



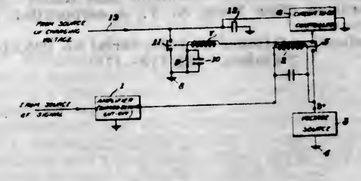
1. The method of making a composite fabric comprising: disrupting a plastic spinning material into a gaseous atmosphere to produce a plurality of discontinuous filaments; depositing the said filaments in a promiscuously intersected condition to form a primary web; depositing natural fibres in a discrete condition to form a secondary web, one of the said webs being deposited in a superposed relation to the other said web; and subjecting the said webs to heat and pressure whereby the said natural fibres are bonded together by the said plastic filaments.

2,483,407
FOCUSING ARRANGEMENT FOR ELECTRON DISCHARGE DEVICES OF ELECTRON VELOCITY MODULATION TYPE
John Heaver Fremlin, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application November 9, 1946, Serial No. 709,020
In Great Britain August 31, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 31, 1965
2 Claims. (Cl. 250—161)

1. An electron discharge device having a section non-circular in cross-section and a focussing magnet having pole pieces closely embracing said section, said magnet comprising two similar magnet portions in end to end abutment and slidable one over the other on at least one surface of contact.



2,483,408
RELAY CIRCUIT
Nathan Garber, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 26, 1945, Serial No. 584,947
3 Claims. (Cl. 175—320)

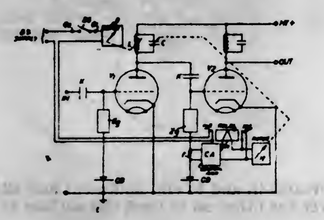


1. A control system comprising a master relay having a cooperating contact, a slave relay, a source of potential for energizing said slave relay, a timing circuit including a resistor and a condenser connected in parallel, said contact, said slave relay, said source and said circuit all serially connected, a source of direct current pulses for momentarily energizing said master relay for prescribed periods of time, said contact controlling the operation of said slave relay and said circuit controlling the reduction of effective current through said slave relay to deenergize said slave relay after a period of time shorter than each of said prescribed periods of time.

2,483,409
TUNING ARRANGEMENT FOR THERMIONIC VALVE CIRCUITS
William Alexander Gold, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1943, Serial No. 509,211
In Great Britain December 8, 1942
10 Claims. (Cl. 250—40)

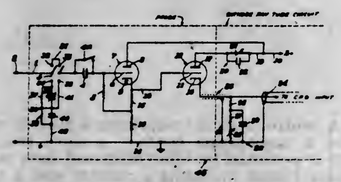
1. In a class C amplifier having a first tube with a tuned anode circuit, an output tube, and at least one grid in said output tube, the output tube being grid fed from the tuned anode circuit of the preceding tube, a motor, and tuning means in said tuned anode circuit, the method of automatically tuning said anode circuit to secure maximum input to said grid, which includes the steps of measuring the current to said grid, causing said current to operate said motor in propor-

tion to the current, and operating said tuning means from said motor to vary the tuning of said anode circuit while said grid current increases, in



a direction to cause still further increase thereof, and to cease varying said tuning at the point of maximum grid current.

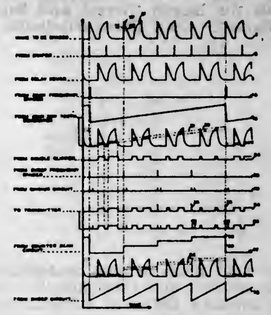
2,483,410
WIDE BAND PROBE
Donald D. Grieg and Arnold M. Levine, Forest Hills, and Lester Dubin, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1945, Serial No. 625,648
3 Claims. (Cl. 179—171)



1. A wide band voltage probe, comprising a pair of cathode follower tubes in tandem, probing means, input control means disposed between said probing means and the first of said cathode followers, output circuit means for the second of said cathode followers, and phase correction network means operatively associated with said second follower comprising a bias resistor network for the cathode of said second follower compensated by capacitance and a time delay network including resistance and capacitance in the plate circuit of said second follower, the values of said resistances and capacitances of the said two correction networks being proportioned to make the ratio of the resistances of the two networks equal the ratio of the capacitances whereby a substantially constant overall time delay characteristic for the probe may be obtained over a wide frequency band including direct current.

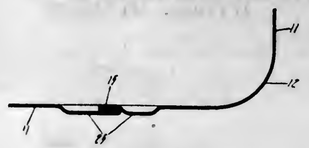
2,483,411
PULSE SYNTHESIZING SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1945, Serial No. 636,023
5 Claims. (Cl. 178—44)

4. The system of utilizing periodic recurring undulations of an electromagnetic wave comprising: means for dividing said undulations into segments at different amplitudes to produce a train of pulses, and means for vertically com-



bining the pulses on said train to reproduce said undulations.

2,483,412
CONTAINER
Arthur E. Harker, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 22, 1944, Serial No. 569,398
1 Claim. (Cl. 138—74)



In an elongated rectangular container body having substantially flat sheet metal side walls, one of said walls including the opposed longitudinal edges of the body secured together in a soldered side seam; means for reenforcing the side seam area of said body wall to prevent the seam from flexing out of the plane of the wall due to the heat of the soldering operation, comprising a rigid elongated embossed panel formed integrally in the opposed edges of said body and extending on opposite sides of said side seam.

2,483,413
PROCESS OF BLEACHING FATS AND OILS
Lloyd F. Henderson, Reading, and Louis H. Libby, Boston, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application January 3, 1945, Serial No. 571,214
17 Claims. (Cl. 260—423)

1. A process of bleaching dark oil and fat stocks, which comprises treating said stock in the presence of a phosphoric compound selected from the group consisting of phosphoric acids and acid phosphates, and a compound liberating nascent oxygen in the presence of the said acidic compound under the treating conditions, said phosphoric compound imparting those acidic conditions under which said oxygen liberating compound acts to achieve a pronounced lightening of the color of said stock, and then treating the stock with a bleaching earth.

2,483,414
PROCESS OF BLEACHING FATS AND OILS AND MAKING SOAP THEREFROM
Lloyd F. Henderson, Reading, and Louis H. Libby, Boston, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application January 3, 1945, Serial No. 571,215
16 Claims. (Cl. 260—423)

1. A process of making light colored soaps from relatively darker stocks, which comprises treating said stock in the presence of a phosphoric compound selected from the group consisting of phosphoric acids and acid phosphates, and a compound liberating nascent oxygen in the presence of said acidic compound under the treating conditions, treating the stock with a bleaching earth, saponifying the stock to form soap, and bleaching the soap.

2,483,415
METHOD OF PREPARING SUBSTITUTED AMMONIUM THIOCYANATES
William H. Hill, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,495
17 Claims. (Cl. 260—553)

1. In the process for making substituted ammonium thiocyanates by means of the reaction of a basic amino compound and ammonium thiocyanate, the improvement which comprises acting upon a basic amino compound with ammonium thiocyanate in a menstruum consisting essentially of liquid ammonia and isolating the substituted ammonium thiocyanate.

2,483,416
PROCESS FOR THE PREPARATION OF BETA (HETEROCYCLIC-THIO) CARBOXYLIC ACID COMPOUNDS
Jacob Eden Jansen and Roger A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 5, 1945, Serial No. 620,662
9 Claims. (Cl. 260—302)

1. The method of preparing beta (heterocyclic-thio) carboxylic acid compounds which comprises dissolving a nitrogen-containing heterocyclic mercaptan in which the nitrogen is present in the heterocyclic ring in an alkaline aqueous solution and reacting the solution with a water soluble saturated aliphatic beta-lactone.

2,483,417
METHOD AND APPARATUS FOR DETECTING PERMEABLE BODIES
Ellis A. Johnson, Chevy Chase, Md.
Application October 23, 1941, Serial No. 416,205
19 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

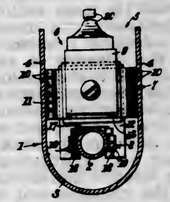


1. In a system of the character disclosed for detecting a submarine from a vessel in motion, means for setting up an alternating magnetic field about said vessel, gradient means including a pair of oppositely connected signal generating coils disposed in spaced relation on the vessel and linked by said alternating magnetic field, an electro-responsive device operatively connected to said coils and having an element adapted to be actuated variably in either direction in response to the signals generated by the coils in accordance with the difference in the flux linkages of each of the coils with said alternating magnetic field as the magnetic field is distorted by a submarine within the vicinity of the vessel, said gradient means also including means for preventing actuation of said element notwithstanding a difference in the flux linkages of each of the coils with said field in an undistorted condition thereof, said preventing means being effective to reduce to zero a signal generated by the coils when the field is in said undistorted condition, and means controlled by said element for recording the degree of distortion of said magnetic field.

2,483,418
TOBACCO COMPOSITION
Jonas Kamlet, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa.
No Drawing. Application November 28, 1945, Serial No. 631,477
1 Claim. (Cl. 131—17)

A composition of matter comprising tobacco having appreciable moisture content and containing a small amount of alpha-methylglycerine intimately and more or less uniformly dispersed therethrough, said alpha-methylglycerine serving as a humectant, conditioning agent, moisture-retaining and moisture-absorbing agent, and producing no toxic combustion products.

2,483,419
ADJUSTABLE REACTANCE LINE
Irving Karmin, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 24, 1944, Serial No. 546,379
7 Claims. (Cl. 178—44)

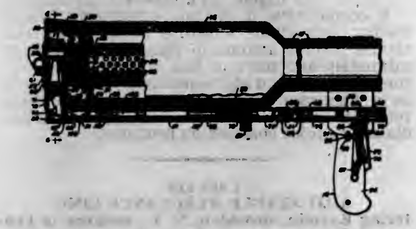


1. A reactance line section comprising inner and outer conductors, said outer conductor including a semi-circular portion spaced substantially equally from said inner conductor and side walls mounted on the edges of said semi-circular portion and normal thereto and spaced apart a distance equal to the diameter of said semi-circular portion for providing a reactance line section with an opening along the length and a characteristic impedance substantially the same as a completely closed coaxial line section having the spacing existing between said inner conductor and semi-circular portion.

2,483,420
PURIFICATION OF ISOQUINOLINE
Harry A. Kjellman, Jr., Steubenville, Ohio, assignor to Koppers Co., Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 8, 1946, Serial No. 653,119
7 Claims. (Cl. 260—283)

3. A method of purifying isoquinoline to obtain an isoquinoline having a melting point above 20° C. comprising: cooling a dried crude isoquinoline having an 8° to 12° C melting point to a temperature slightly below 0° C. to solidify isoquinoline therein and to form a semi-fluid mass, subjecting the semi-fluid mass to centrifugal action to extract mother liquor therefrom, melting and refreezing the purified isoquinoline to a temperature below 0° C. to crystallize the isoquinoline and form a semi-fluid mass, and centrifugally extracting mother liquor from the partially purified mass.

2,483,421
BREECH AND FIRING MECHANISM FOR RECOILLESS FIREARMS
William J. Kroeger and Clarence Walton Musser, Philadelphia, Pa.
Application April 26, 1948, Serial No. 23,186
7 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a firearm, the combination of a barrel, a chamber communicating therewith, a breech block movable into and out of the rearward portion of said chamber and rotatable for locking engagement therewith, coacting interlocking members formed on peripheral portions of said breech block and the inner wall of said chamber and being engageable and disengageable upon locking and unlocking rotations of the breech block within the chamber, a support for said breech block secured to the outside of said chamber, a companion member rotatively and slidably engaging said support for movement lengthwise of said chamber and barrel, and means extending radially from said breech block to said companion member and constituting a connection which permits rotative movement of the breech block within the chamber and which supports that block when same is withdrawn from the chamber.

2,483,422
ABRASIVE SLEEVE HOLDER
George A. Larsen, Rockford, Ill.
Application May 15, 1946, Serial No. 669,869
8 Claims. (Cl. 51—191)

1. A rotary one-piece expansible abrasive sleeve holder of rubber-like material comprising a rotatable hub, a thin peripheral band concentric therewith and spaced therefrom adapted to support a surrounding abrasive sleeve, and thin resilient arms fast to the band and extended outwardly from the hub, and circularly adjacent the band in freely separable contact therewith for distention thereof in connection with both the hub and band to transmit rotary motion from the hub to the band while permitting expansive movement of the band against the surrounding sleeve in response to centrifugal force, the entire flexibility of the resilient arms from the hub to the outer ends of the arms being freely available for radial



expansion by centrifugal force, said arms extending predominantly in one circular direction so that with rotation in one direction reaction of the work will tend to reduce the outward thrust of the arms, while with rotation in the opposite direction the reaction will tend to increase said thrust, and said arms being also movable inwardly from the band to compensate for relative rotary movement of the hub and the band.

2,483,423
PARACHUTE
John J. Maggi, Hayward, Calif.
Application June 5, 1946, Serial No. 674,554
5 Claims. (Cl. 244—145)



1. A parachute having a central circular canopy portion, a skirt portion of uniform radial width attached to and fully rimming said first portion and provided with an even number of evenly spaced slits extending thereinto from its peripheral edge and circumferentially dividing the skirt into sections, and support lines radiating from the center of the canopy and attached thereto along to both canopy portions and cooperative in mutually independent sets extending from the different skirt sections to mutually spaced and relatively movable load connectors for the support of a load by and beneath the operatively extended parachute.

2,483,424
METHOD OF SOLDERING TERMINALS FOR ELECTRICAL CONDUCTORS
Rene Martines, Cranston, R. I., assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I., a corporation of Rhode Island
Application March 31, 1947, Serial No. 738,320
3 Claims. (Cl. 117—102)

1. In a method of applying solder to a predetermined area on an element, the steps which comprise immersing an elongated metal article comprising a plurality of tandemly related elements each of which elements has been provided with upstanding arms overhanging the portion to be coated, in molten solder to encompass the area to be covered and at least a portion of the up-



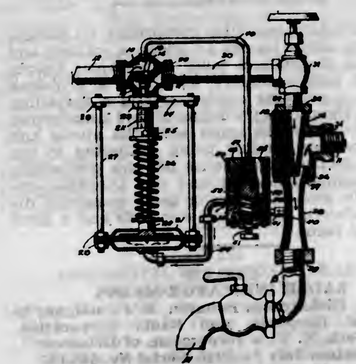
standing arms, brushing solder from the elements about and over said arms whereby the upstanding and overhanging arms deflect the brush bristles from the solder at the desired location beneath said arms to maintain the solder at this location while removing it from the surrounding area.

2,483,425
CIRCULAR FRAME PILOT CHUTE
Harold J. Moran, Pittston, Pa.
Application October 17, 1945, Serial No. 622,911
6 Claims. (Cl. 244—149)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



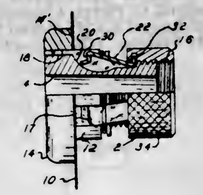
5. In a pilot parachute, a sheet fabric canopy and a ribbon of sheet spring stock bent flatwise and formed into a hoop, its thin edge lying against the surface of the canopy and means for retaining said hoop concentrically positioned on said canopy.

2,483,426
STEAM INJECTION WATER HEATER
Marlin C. Moore, United States Army, Xenia, Ohio
Application September 21, 1945, Serial No. 617,887
5 Claims. (Cl. 261—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A steam injection water heater comprising supply lines for steam and water, a Venturi mixing chamber connected to said lines and having an outlet, a valve in said steam line, means comprising a diaphragm and a diaphragm chamber for operating said valve, a pressure-conducting means interconnecting said diaphragm chamber with said mixing chamber and said steam supply line, and a two-way differential pressure operated valve in said pressure conducting means for admitting water from said venturi or steam from said supply line to said diaphragm chamber depending on the relative pressures in said steam line and mixing chamber.

2,483,427
CHART HUB
George E. Nicholson and John B. McGay, Tulsa, Okla., assignors to Ohmer Corporation, Dayton, Ohio, a corporation of New York
Application March 21, 1946, Serial No. 655,916
4 Claims. (Cl. 346—134)

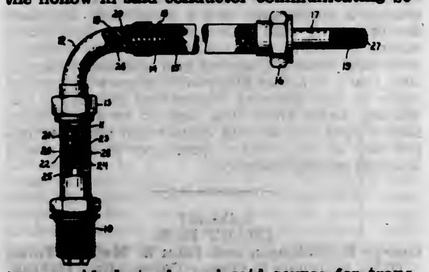


1. Chart holding means for recording instruments, comprising a stud adapted to be fixed to a movable part of the instrument, said stud having a chart supporting surface at one end, a member axially adjustable on the other end of said stud, a plurality of clamping elements operatively connected at one of their ends to said member for axial and radial movement relative to the stud in the adjustment of said member, each of said elements adjacent to its other end having an angularly disposed chart clamping face and a terminal portion projecting therefrom, means on the stud coacting with said terminal portions in the axial adjustment of said elements toward the chart to radially move said elements relative to the stud and position the clamping faces thereof in opposed substantially parallel relation to the chart, and additional means on said stud coacting with the terminal portions of said elements to restrain said elements against further radial displacement in the continued axial movement thereof to final chart clamping position.

2,483,428
IGNITION SYSTEM
Melville F. Peters, East Orange, N. J.
Continuation of application Serial No. 559,107, October 17, 1944. This application June 21, 1948, Serial No. 34,230
6 Claims. (Cl. 123—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. An ignition system for use in internal combustion engines for damping out electrical oscillations having ultra-short wavelength, said system comprising: a source of high voltage; a spark plug having an ungrounded electrode; and an ignition cable connecting said electrode to said source, said cable comprising a composite hollow conduc-

tor of conducting metal and conducting rubber, the hollow in said conductor communicating be-



tween said electrode and said source for transmission of fluid pressure.

2,483,429
SHOCK ABSORBER
Raymond C. Pierce, Chicago, Ill.
Application August 6, 1945, Serial No. 609,183
19 Claims. (Cl. 267—64)



1. In a shock strut, a cylinder containing hydraulic fluid, valve means carried by said cylinder internally thereof for metering said fluid, said valve means comprising a wall within said cylinder dividing the same into axially spaced chambers, a valve plate, ports through said plate communicating with an interstice between said plate and said wall and communicating with one of said chambers, ports through said wall communicating with the other chamber and with said interstice, the ports through said wall being misaligned with respect to the ports through said plate, a piston slidably fitted within one of said chambers for reciprocation therewithin, ports through said wall around the margins of said plate and communicating with said chambers, and valve means for accommodating direct communication between said chambers through said last-mentioned ports independently of said first and second-mentioned ports on the extension stroke of the strut.

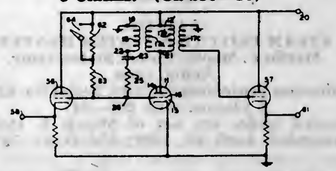
2,483,430
SHOCK ABSORBER
Raymond C. Pierce, Chicago, Ill.
Application October 29, 1945, Serial No. 625,167
4 Claims. (Cl. 267—34)

1. In a shock strut, a cylinder, a plurality of plates therein dividing said cylinder into high and low pressure chambers, interstices between said plates, a plurality of ports through each plate communicating with the associated interstices, the ports in each plate being misaligned with respect to the ports in the adjacent plate, a piston reciprocal within said high pressure chamber, by-pass valve means comprising aligned



passages through all of said plates spaced from said interstices and affording communication between said chambers independently of said interstices, a valve member in said high pressure chamber, and resilient means urging said valve member to the closed position thereof over the passages in the associated plate.

2,483,431
BLOCKING OSCILLATOR
Richard Proskauer, Westbury, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application May 10, 1944, Serial No. 534,934
5 Claims. (Cl. 250—36)

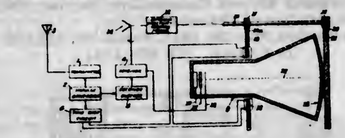


1. A blocking oscillator comprising an electric discharge device having an anode, a cathode and a control electrode, a pulse transformer having primary and secondary windings, a grid-leak resistor, a coupling condenser and a throttling resistor, the primary winding of said transformer being connected in series with the anode and the secondary winding being connected to the control electrode by a series network comprising said coupling condenser and said throttling resistor, the grid-leak resistor being connected directly between the control electrode and a fixed potential point.

2,483,432
RADAR INDICATOR MEANS
Avery G. Richardson, Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 14, 1945, Serial No. 605,135
11 Claims. (Cl. 343—11)

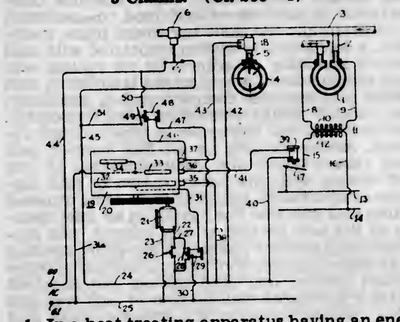
1. A filter for use with a luminescent screen relative to which an electron beam is caused to

sweep, comprising filter means providing an area of high filtering action, and means to move said filter means in synchronism with the sweep move-



ment of said electron beam to maintain said area in overlying relation with respect to the portion of the screen impinged by said beam.

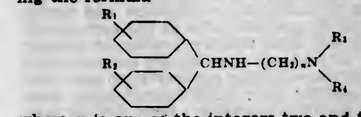
2,483,433
HEAT-TREATING APPARATUS
Donald W. Riddell, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application February 4, 1946, Serial No. 645,418
5 Claims. (Cl. 266—4)



1. In a heat treating apparatus having an energizable fluid cooled electrical element and a normally closed quenching fluid valve both arranged to receive cooling fluid and quenching fluid respectively from a common fluid supply conduit, timing means for sequentially effecting energization of said element, deenergization of said element, opening of said valve and closing of said valve, means responsive to the pressure of the fluid flowing from said conduit to said element and valve to render said timing means inoperative and to effect deenergization of said element at fluid pressures less than a predetermined value, the improvement which comprises circuit means for rendering said pressure responsive means ineffective, and actuating means operated by said timer means for actuating said circuit means during the time period said valve remains open whereby normal functioning of said timing means and the supply of fluid to said valve is continued in the event of a drop in pressure of the fluid below said predetermined value during the period said valve is open.

2,483,434
DISUBSTITUTED AMINO-ALKYL BENZHYDRYL AMINES
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 8, 1946, Serial No. 660,406
4 Claims. (Cl. 260—570)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula



where n is one of the integers two and three, R_1 and R_2 are members of the class consisting of hydrogen, alkyl radicals containing 1 to 2 carbon atoms and alkoxy radicals containing 1 to 2 carbon atoms, R_3 and R_4 are members of the class consisting of alkyl radicals containing 1 to 3 carbon atoms inclusive and further members where R_3 and R_4 taken with —N< form a saturated six-membered heterocyclic ring.

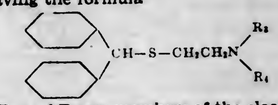
2,483,435
BETA-BENZOHYDRYLOXYETHYLAMINES AND PROCESS FOR PREPARING
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 5, 1946, Serial No. 688,425
13 Claims. (Cl. 260—570)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula

where R is a member of the class consisting of lower alkyl and lower alkenyl radicals.

2,483,436
THIOETHERS AND METHODS FOR OBTAINING THE SAME
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 5, 1946, Serial No. 688,427
8 Claims. (Cl. 260—570)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula

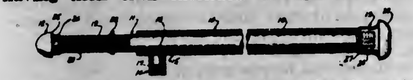


where R_3 and R_4 are members of the class consisting of alkyl radicals containing 1 to 3 carbon atoms inclusive and further members wherein R_3 and R_4 taken together with —N< form a saturated six-membered heterocyclic ring.

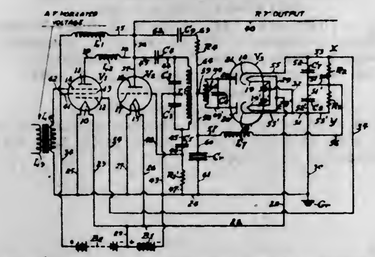
2,483,437
LIGHTING TORCH
Floyd R. Rizer, Detroit, Mich.
Application January 30, 1948, Serial No. 5,362
1 Claim. (Cl. 67—6.1)

A self-igniting lighting torch comprising an elongated inner tubular member of substantially uniform diameter throughout its length, an outer tubular member shorter than said inner tubular member surrounding said inner tubular member and longitudinally slidable thereon, a tubular extension on one end of said inner tubular member, said extension being of substantially the same diameter as said inner tubular member

and having a roughened external surface and apertures therein, a cap screw threaded onto the outer end of said tubular extension and having an annular flange receivable in the corresponding end of said outer tubular member, an annular shoulder on said cap abutting the corresponding end of said outer tubular member when said outer tubular member is in torch extinguishing position, said shoulder providing a limit stop for relative movement of said inner and outer tubular members in one direction, absorbent material and wicks in said inner tubular member, said wicks having their ends extended through the apertures in said tubular extension whereby said inner tubular member constitutes a fuel reservoir for said lighter, a tubular flint holder carried by said outer tubular member near the end of the latter adjacent said cap, a flint carried in said flint holder and operatively engageable with the roughened surface of said tubular extension to ignite said wicks upon movement of said outer tubular member away from said cap, and a knob screw-threaded onto the end of said inner tubular member opposite said tubular extension and having an annular shoulder engageable with the adjacent end of said outer tubular member to limit relative movement between said inner and outer tubular members in the corresponding direction.

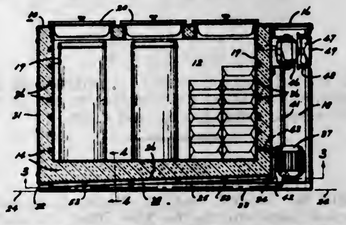


2,483,438
FREQUENCY MODULATION SYSTEM
George T. Royden, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 9, 1945, Serial No. 598,479
7 Claims. (Cl. 332—19)



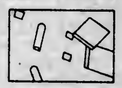
7. A frequency modulation system comprising an oscillator circuit, a source of signal waves, a reactance modulator circuit coupled across said oscillator circuit for varying the frequency of oscillation of said oscillator circuit in accordance with waves from said source, means for deriving two voltages of opposite phase from the output of said oscillator circuit, said two voltages being phase displaced 90° with respect to the voltages from said oscillator circuit, a piezo electric crystal coupled to the output of said oscillator circuit for deriving a voltage whose phase varies with the oscillator frequency, means for combining said derived voltage with each one of said two voltages to produce different outputs, means for separately rectifying each of said different outputs and storage means for combining said rectified outputs differentially to produce a control voltage, means for applying said control voltage to said modulator circuit for controlling the frequency of oscillation of said oscillator circuit.

2,483,439
REFRIGERATING APPARATUS
Sylvester M. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 28, 1947, Serial No. 751,038
10 Claims. (Cl. 62—116)



1. A refrigerating apparatus comprising in combination, a horizontally elongated cabinet having a plurality of walls forming an insulated food storage compartment and a machine compartment at one side of said food compartment in substantially the same horizontal plane therewith, a refrigerating system associated with said cabinet including an evaporator for cooling said food compartment, a refrigerant translating unit within said machine compartment, a condenser, and conduit means connecting said evaporator, said unit and said condenser in closed circuit relation, means forming an air flue beneath said food compartment and communicating at one end thereof with the lower portion of said machine compartment, said condenser being disposed within said flue, said flue having an air inlet opening at the base portion of said cabinet, said machine compartment having an air outlet opening in an upper wall portion thereof, and the exterior bottom wall of said food storage compartment forming the upper wall portion of said flue and being inclined upwardly in a direction from said flue inlet opening toward the point of communication of the flue with said machine compartment for inducing circulation of air into and out of said openings through said flue and over said condenser.

2,483,440
SILVER ACETYLIDE COMPOUND AND PROCESS OF MAKING SAME
Joseph A. Shaw and Elton Fisher, Pittsburgh, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application February 7, 1946, Serial No. 646,185
2 Claims. (Cl. 260—430)



1. A silver acetylide $Ag_2C_2.6AgNO_3$ crystallizable as white rhombohedral crystals, which are readily soluble in strong silver nitrate solutions.

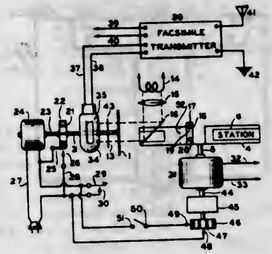
2,483,441
PLASTIC COMPOSITION FOR COATING WIRE
Howard E. Smith, Brooklyn, N. Y., assignor to Insl-X Corporation, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Original application March 25, 1938, Serial No. 198,016. Divided and this application October 22, 1943, Serial No. 507,247
3 Claims. (Cl. 106—171)

2. An insulating coating composition consisting substantially of the following ingredients in the indicated proportions:

	Parts by weight
A cellulose ether	100
Chlorinated diphenyl	20
Dibutyl phthalate	10
Paraffin wax	2
Castor oil	20
Triphenyl phosphate	15
Solvent	1 to 5

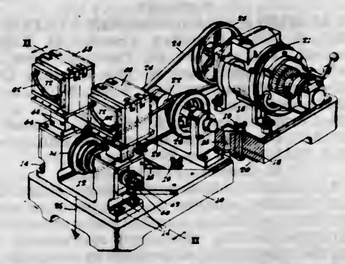
said cellulose ether being selected from the group consisting of benzyl cellulose and ethyl cellulose.

2,483,442
PAGE SEPARATION SIGNAL AND PULSE GENERATOR
John W. Smith, Long Island City, and Frank A. Hester, New York, N. Y., assignors to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application July 21, 1947, Serial No. 762,462
8 Claims. (Cl. 178—69.5)



1. A synchronizing signal and end-of-page signal generator, including in combination a rotatable device including a first portion to represent a desired synchronizing signal and a second portion to represent an end-of-page signal, means for rotating said device at a predetermined rate of speed, means for scanning said first portion continuously to generate a synchronizing signal and switching means for periodically moving said scanning means to scan said second portion to generate an end-of-page signal.

2,483,443
FLOCKING METHOD AND APPARATUS
Robert T. Spence, Lynn, Mass., assignor of eighteen one-hundredths to Louis J. O'Malley, Boston, Mass.
Application October 5, 1944, Serial No. 557,301
13 Claims. (Cl. 117—16)



4. A method of coating the adhesive surface of an object with a finely divided material, which consists in rigidly supporting the object within a chambered space excluded from the outside atmosphere and with at least a portion of said surface facing upwardly, projecting from a position spaced above the object a predetermined quantity of said material downwardly and in uniform distribution onto the upwardly facing portion of said surface, simultaneously therewith rapidly vibrating the object together with the air in said space through a predetermined stroke and speed in a vertical path, inverting the object after the finely divided material has been projected onto and driven into its upwardly facing portion, and continuing the vibrating action to remove loose and excess material from the coated and inverted surface.

2,483,444
INDUCTION HEATING HEAD AND ARBOR THEREFOR
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application July 17, 1945, Serial No. 605,507
6 Claims. (Cl. 219—13)

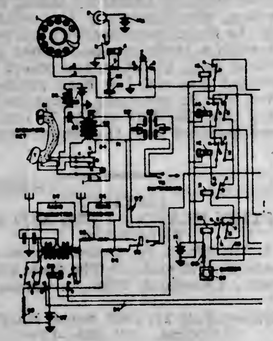


1. In an induction heating apparatus, an arbor including a pair of parallel current conductors insulated from each other, each having a terminal fitting at one end thereof, an inducing head having a coil support and an inductor coil carried by said support, terminal connector fittings for said coil, said last-mentioned fittings being rigidly carried by said coil support, and means rigidly and removably securing said last-mentioned fittings to said first-mentioned fittings and providing with said fittings attachment connections for said head from said arbor, said fittings being in spaced relationship to form an air-space insulation between the arbor and head whereby electrical creepage current losses at said connections are substantially reduced.

2,483,445
TRANSMITTER SYSTEM
David Talley, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 13, 1946, Serial No. 716,137
6 Claims. (Cl. 177—380)

1. A station calling system of the type wherein each station has a distinctive call number to which it alone responds, said system comprising settable means for storing digit-by-digit the elements of a chosen call number, means for transmitting over a communications channel a series of signal frequency pulses each pulse of which is characterized as to frequency by the setting of a

respective digital element of said storing means, means for comparing adjacent digits of a call number as stored in said settable means and



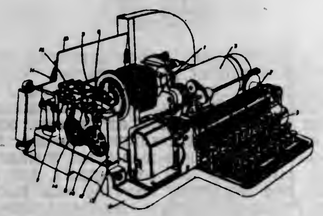
means operative to prevent the transmission of such call number when like digits in any two adjacent elements of said settable means are detected by said comparing means.

2,483,446

TELEPRINTER

Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to Creed and Company Limited, Croydon, England, a British company

Application May 5, 1945, Serial No. 592,172
In Great Britain April 7, 1944
4 Claims. (Cl. 178—80)



1. A teleprinter machine comprising, a plurality of individually movable type face bars mounted in a circular array to form a type wheel, means to support said wheel for rotation about a horizontal axis, a printing hammer for engaging a selected type face bar with which it is in alignment to reciprocate said bar in a horizontal direction, a motor and a motor-controlled selector mechanism for said type face bars for bringing a selected type face bar into operative alignment with said hammer, a cover member for said machine substantially completely enclosing said type wheel, said selector mechanism and said motor, said cover member having a small window disposed in a substantially vertical plane adjacent the ends of said type face bars to permit a selected type face bar to protrude horizontally therethrough when struck by said hammer, and a printing platen external of said cover and mounted adjacent said opening for rotation around a vertical axis.

2,483,447

AMINOMERCAPTOBENZENESULFONAMIDES

William Hewells Vinton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 17, 1946, Serial No. 641,861
4 Claims. (Cl. 260—297.7)

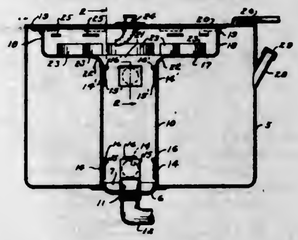
1. 4 - Amino - 3-mercaptobenzenesulfonamide.

2,483,448

OIL TANK ADAPTED FOR OIL DILUTION AND DEAERATION

William Weitsen, Dayton, Ohio

Application October 5, 1944, Serial No. 557,359
6 Claims. (Cl. 183—2.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A device of the character described comprising a main oil tank, having an inlet for fresh oil, a top inlet for used oil and a top outlet to the atmosphere for the escape of vapors, a hopper mounted in said main oil tank and adapted to receive replenishing oil therefrom, said hopper having an outlet to convey conditioned oil for use, a tray upon said hopper having its side wall extending substantially to the top of the tank and containing a central aperture with a downwardly curved surface joining it with the hopper, there being a plurality of apertures in the upper wall part of the tray to permit overflowing oil and also air from the tray to pass into the upper part of the oil tank, and means including openings adjacent the upper end of the hopper adapted to readmit overflowing oil from the tank into the hopper.

2,483,449

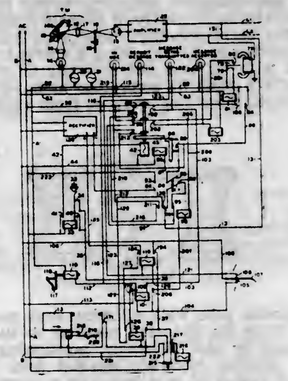
FACSIMILE TRANSMISSION SYSTEM

Raleigh J. Wise, Dunellen, Garvice H. Ridings, Summit, and Robert D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Original application April 18, 1941, Serial No. 389,164. Divided and this application December 9, 1944, Serial No. 567,418
36 Claims. (Cl. 178—6.6)

1. A facsimile system comprising a transmitter and a recorder adapted to be operatively connected for recording a transmitted message, said transmitter having scanning mechanism and means for supporting a message in scanning position, a switch operable at the recorder after the recording of a message for sending a signal to the transmitter, a device at the transmitter energized by said signal, and apparatus controlled by

said energized device for operating the transmitter scanning mechanism to scan the same mes-



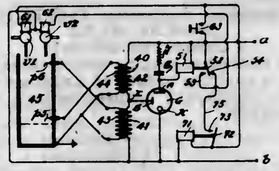
sage again, whereby the recorder makes another copy of said message.

2,483,450

ELECTRIC DETECTION APPARATUS

William F. Wolfner, II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts

Original application May 19, 1941, Serial No. 394,231. Divided and this application October 3, 1944, Serial No. 557,033
3 Claims. (Cl. 137—68)



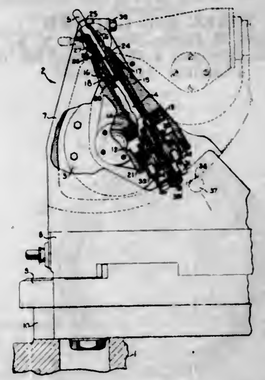
1. Electric relay apparatus comprising a source of alternating current; an electron discharge device having anode, cathode and control electrode; an output circuit supplied from said source and including said anode, said cathode and a relay magnet controlling a change-over switch which, with said output circuit energized, establishes a circuit connection; two transformers having primaries connected in series; connections from the terminals joining said primaries to said electrode, from the other terminal of the first primary to the anode supplying terminal of said source, and from the other terminal of the second primary to the cathode supplying terminal of said source; a first detecting electrode connected to one terminal of each transformer secondary, a second detecting electrode connected to the other terminal of one secondary, and a third detecting electrode connected to the other terminal of the other secondary; variable detecting impedances connected between said first, and said second and third detecting electrodes, respectively; an initiating circuit including first operating means adapted to cause variation of said first impedance and in series to said first operating means a normally open initiating switch; and a completing circuit including a second operating means connected through said circuit connection to said source; whereby closing of said initiating switch energizes said first operating means, variation of said first impedance energizes said relay magnet establishing said circuit connection thereby starting said second operating means, and variation of said second impedance breaks said connection thereby stopping said second operating means and returning the apparatus to normal condition.

2,483,451

MACHINE TOOL SPINDLE

Joseph B. Armitage, Wauwatosa, and Harold L. Heywood, West Allis, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Original application January 6, 1941, Serial No. 373,274, now Patent No. 2,392,963, dated January 15, 1946. Divided and this application December 8, 1945, Serial No. 633,659
10 Claims. (Cl. 90—11)



1. In a cutter supporting structure for operating in a restricted space, the combination with a spindle supporting housing presenting a convergingly tapered forward end and a cutter spindle rotatably mounted in said supporting housing and presenting a similarly tapered forward end disposed to project from said tapered end of said housing and having a socket for receiving a cutter shank, of bearings for rotatably supporting said spindle in said housing including an anti-friction bearing at the forward end comprising an outer race supported in said tapered forward end of said housing, an inner race formed integrally on said spindle within said tapered housing end, and a plurality of anti-friction rollers interposed between said outer and said inner races, whereby said bearing is positioned to provide support close to the forward tapered end of said spindle.

2,483,452

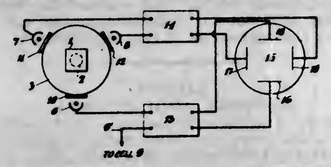
COLOR SORTING DEVICE USING DIFFERENTLY COLOR-SELECTIVE PHOTOCELLS AND A CATHODE-RAY TUBE

Carl Berkley, New York, N. Y., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application November 19, 1946, Serial No. 710,851
3 Claims. (Cl. 88—14)

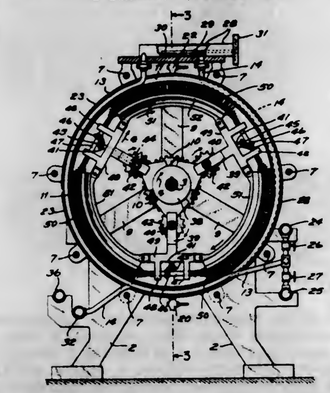
1. A photometric color indicator comprising a cathode ray tube having deflecting means for indicating x and y coordinates on a fluorescent screen thereof, three photoelectric responsive devices respectively differently color-selective, one of said devices having the color-sensitive charac-

teristic of the human eye, a first amplifier connecting one of the said devices to said deflecting means for indicating one of said coordinates, a second amplifier connecting a second of said de-



vices to said deflecting means for indicating another of said coordinates, a third of said devices being connected differentially to oppose the amplification of one of the other of said devices.

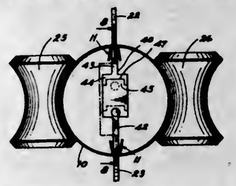
2,483,453
MIXER AND GRINDER
James M. Boyle, New York, N. Y.
Application February 6, 1947, Serial No. 726,875
4 Claims. (Cl. 259—6)



1. In apparatus for treating, as in mixing, dispersing and/or grinding materials in wet condition, the combination of a work chamber having an annular opening, a main shaft coaxial with said annular opening, means arranged and adapted to feed material into said chamber, angularly spaced radially extending brackets mounted on said main shaft, a fixed gear mounted coaxially with said main shaft, agitating means supported between said brackets and movable endwise in a circular path through said work chamber with rotation of said main shaft, means mounted on said brackets and cooperating with said fixed gear for rotating said agitating means while the latter is moving endwise in said circular path through said work chamber, and means arranged and adapted to discharge material from said work chamber.

2,483,454
METHOD OF RESISTANCE WELDING FINNED TUBES
John W. Brown, Jr., Elyria, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application August 31, 1946, Serial No. 694,227
6 Claims. (Cl. 219—10)

1. The method of welding fins with a base portion to the inside of a current conducting tubular member which includes the steps of distorting said member to increase its dimension along one diameter, mounting within said tubular member an assembly of slightly greater width than the corresponding undistorted diameter of said member and comprising a current conducting fin with its base adjacent the inner tubular wall and a metallic conductor member adapted to conduct a welding current from said base to



the opposite tube wall, allowing said member to return from its distorted position to the extent permitted by said assembly, positioning an external welding electrode against said member over the region of said base and a second welding electrode against said member opposite said first member and causing a welding current to flow between said electrodes through the walls of said tubular member, said base portion and said conductor bar.

2,483,455
METHOD OF MAKING THERMOPLASTIC SEWING THREAD
William M. Camp, Glen Ridge, N. J., assignor to The Clark Thread Company, a corporation of Delaware
No Drawing. Application April 12, 1946, Serial No. 661,912
4 Claims. (Cl. 57—157)

1. The method of making sewing thread which consists in applying to each of a number of thermoplastic, continuous filament yarns a twist of approximately

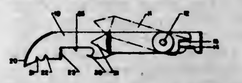
$$3.45\sqrt{\frac{5313}{D}}$$

turns, twisting the yarns together with a finishing twist of approximately

$$3.35\sqrt{\frac{5313}{D\times Y}}$$

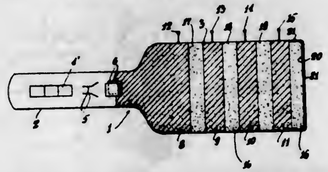
turns, D being the denier of each yarn and Y the number of yarns in the thread, and, while in a relaxed condition, subjecting the thread to an aqueous boil and then to the action of steam at an elevated temperature.

2,483,456
REMOVER FOR FRICTION TYPE JAR CAPS
Louis H. Campos, New York, N. Y.
Application March 19, 1946, Serial No. 655,417
2 Claims. (Cl. 81—3.46)



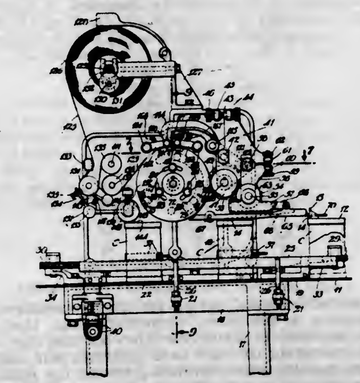
1. A bottle cap remover for jars having a conventional sealing cap and an annular shoulder formed immediately below the cap but spaced slightly from said cap, said cap remover comprising a pair of pivotally connected members having a pair of blades mounted thereon, said blades being positioned on said pivotally connected members adjacent each other and in a common plane at right angles to said pivotally connected members when said pivotally connected members are brought out of alignment with each other, said blades moving out of their common plane when the two pivotally connected members are brought into alignment with each other, said blades being sufficiently thin, when brought into a common plane, to enter the space between the jar cap and the annular shoulder.

2,483,457
CATHODE-RAY TUBE
Rudolf Feldt, New York, N. Y., and Irving Edmund Lempert, Upper Montclair, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 5, 1945, Serial No. 586,740
3 Claims. (Cl. 250—155)



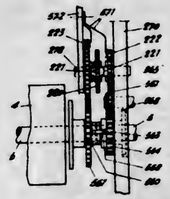
1. A cathode-ray tube having a neck and a cylindrical body portion of larger diameter than said neck, a series of spaced bands of conducting material on the inside of said cylindrical portion, a luminescent screen at the end of said cylindrical portion said screen being applied over a transparent conductive coating and a high resistance coating connecting said transparent coating to one of said bands of conducting material.

2,483,458
SPOUT SEALING MACHINE
Paul E. Fischer, Portland, and Edgar Ardell, Middletown, Conn., assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application July 17, 1945, Serial No. 605,540
8 Claims. (Cl. 216—29)



1. In a device of the character described, in combination, a conveyor for conveying a succession of containers, a rotatable drum having a cylindrical surface disposed adjacent said conveyor for engagement with the successive containers carried thereby, means for feeding a continuous web of sheet material onto the cylindrical surface of said drum at a uniform linear velocity, means for successively stopping said drum and turning said drum at a peripheral velocity greater than the linear velocity at which said feeding means feeds said web, means for severing a sheet from said web on said drum surface when said drum is stopped, and means for transferring the successive sheets so severed on said drum onto successive containers conveyed by said conveyor.

2,483,459
CALCULATING MACHINE
Erik Grip, Atvidaberg, Sweden, assignor to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden
Application May 6, 1944, Serial No. 534,453
In Sweden November 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 30, 1962
1 Claim. (Cl. 235—79)

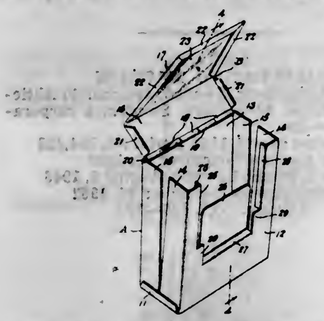


In a calculating machine adapted to divide by repeated alternative addition and subtraction having an accumulator, a revolutions counter, a differential actuator, a revolutions counter actuator, and a plurality of operation control keys, in combination, drive means for said counter actuator comprising a shaft driven in synchronism with the differential actuator, an axially adjustable counter actuator shaft reversibly operable with respect to said differential actuator, a first gear train operable by said synchronously driven shaft, said gear train terminating in a first gear loosely mounted on said counter actuator shaft, a second gear train operable by said synchronously driven shaft terminating in a second gear loosely mounted on said counter actuator shaft, said second gear operating oppositely to said first gear, a coupling member fixed to said counter actuator shaft and engageable with either said first or second gear by axial adjustment of said counter actuator shaft, a disconnectable coupling pawl in said second gear train, and means controlled by one of the plurality of operation control keys for disconnecting said pawl, whereby when said coupling member is engaged with said second gear and said pawl is disconnected by operation of said control key said synchronously driven shaft will be ineffective to drive said counter actuator shaft.

2,483,460
CIGARETTE CASE
Alexander B. Harris, Jackson Heights, N. Y.
Application February 3, 1945, Serial No. 575,987
1 Claim. (Cl. 206—38)

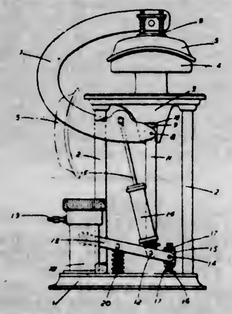
In a cigarette case, a body section fashioned from a single sheet of resilient material and including a bottom wall having upwardly directed flanges at the opposite side edges thereof and a

pair of mating front and rear body portions respectively consisting of front and rear walls normally extending in upwardly divergent relation from the front and rear edges of the bottom wall and each having at its opposite side edges side wall defining flanges disposed in the same plane and located within the side flanges of the bottom wall, a cover section consisting of a top wall hingedly connected at its rear edge to the upper edge of the rear wall of the body section and an angularly disposed rigid flap depending from the front edge of said top wall engageable with the



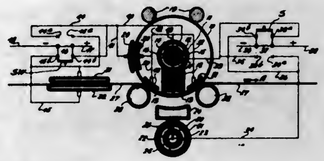
front wall of the body section for urging and retaining the mating front and rear body portions into closed parallel relation and for disposing the top wall of the cover section in closed covering relation to the upper end of the body section, said front wall having a medially disposed notch opening through the upper edge thereof and rearwardly directed flanges at the upper portions of the side edges of the notch and rearwardly offset tongue extending upwardly from the lower end of the notch to provide means for supporting a match book in recessed relation to the front wall of the case.

2,483,461
PRESSURE HEAD FOR LAUNDRY AND OTHER MACHINES
Edward John Howlett, North Finchley, London, England, assignor to Harry Gledhill, Norman R. Gledhill, and Malcolm Gledhill, all of Halifax, England (trading as Thomas's)
Original application November 15, 1944, Serial No. 563,489. Divided and this application June 28, 1945, Serial No. 601,992. In Great Britain June 14, 1944
4 Claims. (Cl. 38—35)



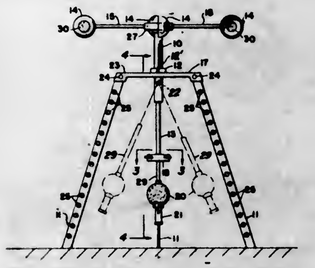
1. In a press having a buck and a head, a pressure yoke having a part near each end of the head, a link arranged between said yoke parts and pivotally connected therewith, said link having a pivot perpendicular to the axis of its pivotal connection with the yoke parts, a headplate pivotally mounted on said perpendicular pivot, pairs of spaced abutments between each yoke part and the headplate limiting the universal movement, pairs of spaced compression springs between each yoke part and the headplate tending to equalize the pressure over the area of contact between the head and the buck, and means to adjust the compression springs.

2,483,462
PROCESS AND APPARATUS FOR ELECTRONOGRAPHIC PRINTING
William C. Huebner, New York, N. Y.
Application May 3, 1945, Serial No. 591,739
23 Claims. (Cl. 101—426)



1. The method of reproducing upon print receiving material an image carried by a printing member of a printing couple and which comprises inking said image, impressing upon the ink on the image an electrical precharge, impressing an electrical precharge on the print receiving material, introducing said precharged print receiving material to the printing zone, and creating an electro field of force at the printing zone to transfer the precharged ink from the inked image to the precharged print receiving material.

2,483,463
ANIMATED SIGNAL
John J. Jeffries and Abraham A. Meisel, Baltimore, Md.
Application May 7, 1948, Serial No. 25,576
1 Claim. (Cl. 116—63)



A portable signal device for use on roadways comprising a platform, supporting legs therefor, a plurality of light reflectors on said legs, a shaft extending through said platform and supported thereby, wind-operating means for rotating said shaft, a reflecting pendulum secured to the under face of said platform, lighting means carried by said pendulum, and means for intermittently forcing said pendulum outwardly, said means consisting of a pawl and ratchet mechanism carried by said shaft and a series of extensions carried by said mechanism for intermittent contact with said pendulum during the rotation of said shaft.

2,483,464
CONTAINER
Alexander H. Johnson, Oak Park, Ill., assignor of one-half to Frederick T. Johnson, Milwaukee, Wis.
Application December 4, 1945, Serial No. 632,689
1 Claim. (Cl. 229—22)



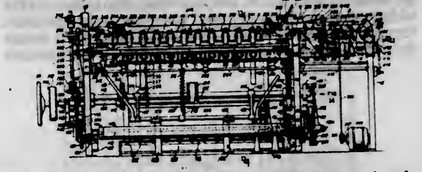
In a shipping, storing and dispensing container of a triangular shape in cross-section, including a rear wall, forwardly extending converging side walls on the rear wall, forwardly extending flanges on the front forward edges of the side walls, means securing said flanges together, wing extensions on the upper and lower edges of the rear and side walls defining top and bottom walls, abutting flanges on said extensions and means securing said last mentioned flanges together, said abutting flanges defining reinforcing ribs on the top and bottom walls, said ribs extending inwardly from the corners of the container toward the central vertical axis of the container, and a marginal upstanding bead formed on the lower and upper edges of the container engaging said ribs.

2,483,465
BOOKBINDING PROCESS
Charles C. Johnson, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1946, Serial No. 681,149
6 Claims. (Cl. 154—141)

1. Bookbinding material to which animal glue will adhere tenaciously which comprises a film of polyvinyl chloride and a surface sizing coat of a composition containing a copolymer of from 80% to 90% of vinyl chloride, from 19.7% to 7.0% vinyl acetate and from .3% to 3.0% of an alpha beta olefinic unsaturated carboxylic acid.

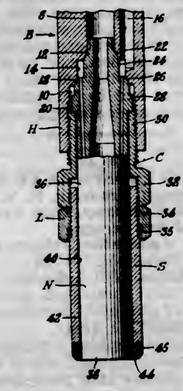
2,483,466
QUILTING MACHINE
James Reid Johnson, New London, Conn.
Application December 28, 1945, Serial No. 637,598
7 Claims. (Cl. 112—117)

7. In apparatus for quilting a strip of material comprising a plurality of elements, the combination of a work-bed, means for advancing a portion of the strip continuously, means intermediate the last mentioned means and the work-bed for advancing another portion of the strip step by step, means acting simultaneously with the intermittent forward movement of said portion of the strip to move it laterally, alternately with successive forward movements of the said portion of the strip, to one side of the line of travel of the strip and then to the other side of the



line of travel of the strip, and means for simultaneously stitching a number of independent quilt designs in the portion of the strip which is moved intermittently, during each dwell of the said strip between forward movements thereof.

2,483,467
BLOWPIPE
Homer W. Jones, Westfield, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application April 19, 1945, Serial No. 589,132
4 Claims. (Cl. 158—27.4)

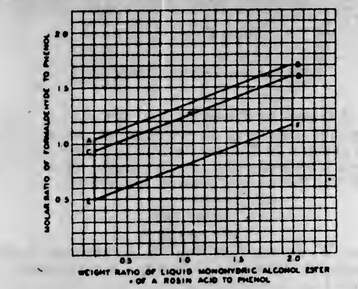


1. In combination, a blowpipe head having a socket, a blowpipe nozzle having an end portion seated in such socket, a hollow coupling member removably connected to said head and securing said nozzle in place in such socket, and a nozzle protective sleeve adjustably connected to said hollow coupling member, said sleeve surrounding the adjacent outside surface portion of said nozzle in uniformly spaced relation throughout the length of the sleeve and extending axially at least to the outer end of the nozzle, said hollow coupling member cooperating with said nozzle and said sleeve to seal the inner end of the sleeve, the space between the sleeve and nozzle containing substantially dead air which thermally insulates the nozzle from the sleeve.

2,483,468
SYNTHETIC RESIN AND PRINTING INK COMPOSITION CONTAINING THE SAME
William D. Jones, West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 30, 1947, Serial No. 725,208
8 Claims. (Cl. 260—25)

1. A hard resin obtained by heating simultaneously ingredients comprising phenol, form-

aldehyde and a normally liquid monohydric alcohol ester of a rosin acid, in the presence of an acid condensation catalyst, at a temperature sufficiently high to cause an exothermic reaction to take place, for a period such that the formaldehyde has been reacted substantially entirely, the proportions of the reactants employed being defined by the area ABEF of Figure 1, and there-



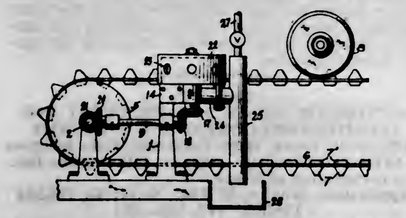
after dehydrating the reaction product by heating until a product is obtained which is a hard resin at normal room temperature, the monohydric alcohol residue of said ester of a rosin acid being free of substituents which are reactive under the conditions of the reaction, said hard resin being characterized by solubility in ethyl alcohol and dipropylene glycol and by insolubility in drying oils, aliphatic and aromatic hydrocarbons.

2,483,469
BASIC LEAD PHOSPHITE PIGMENTS
Leonard M. Kebrich, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 14, 1947, Serial No. 728,721
4 Claims. (Cl. 106—297)

1. A new chemical compound, useful as a pigment, dibasic lead phosphite corresponding to the formula $2PbO.PbHPO_3.1/2H_2O$.

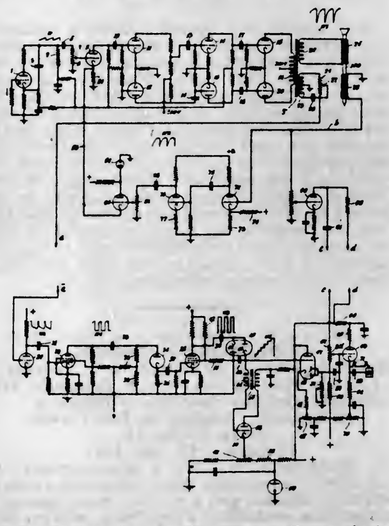
2. A basic lead phosphite composition, useful as a pigment consisting essentially of a mixture of monobasic and dibasic lead phosphite said mixture containing more than 85.9% and up to 90.2% combined lead oxide, PbO, and characterized by acicular crystal form, white color and a tinting strength above 220.

2,483,470
FISH CLEANING APPARATUS
Samuel K. Lockwood, Carmel, and James L. Smith, Pacific Grove, Calif.
Application May 6, 1946, Serial No. 667,666
7 Claims. (Cl. 17—3)



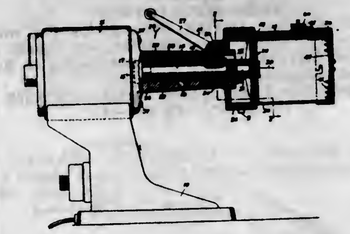
1. In fish cleaning apparatus, a stationary member having a channel extending therethrough, a rotatable element extending around the stationary member and having a plurality of circularly arranged spaced openings arranged for successive registration with one end of the channel of the stationary member, a conveyor for successively bringing fish having their heads severed into engagement with the rotatable element, the conveyor and the rotatable element being synchronized so that fish are successively conveyed into a position with their cut ends positioned opposite an opening in the element at a time when the opening is in registry with the channel in the stationary member, and means for applying suction to the channel, whereby the entrails of the fish may be withdrawn therefrom and through the channel.

2,483,471
PROCESS AND APPARATUS FOR EXAMINING MATERIALS
Estle Ray Mann, Upper Montclair, Samuel Ward Stanton, Glen Ridge, and Thomas Tolliver Goldsmith, Jr., Cedar Grove Township, Essex County, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 24, 1945, Serial No. 574,414
2 Claims. (Cl. 175—183)



1. A device for testing magnetic material which comprises a sawtooth wave generator, amplifying means for said sawtooth wave, a coil surrounding said magnetic material and operatively connected to the output of said amplifying means, whereby a magnetic field the intensity of which varies in sawtooth manner, may be set up in said magnetic material, a second coil surrounding said magnetic material which has induced therein a voltage due to the changes in said magnetic field in said material, said voltage being amplified by a gated amplifier and applied to an indicating device, said gated amplifier being gated by a signal derived from said sawtooth wave generator so phased as to gate said gated amplifier at the time that said magnetic field is collapsing, and so timed by means of a counter circuit incorporated in the circuits producing said gating signal as to permit said magnetic field to be set up in said magnetic material a predetermined number of times before producing said gating signal.

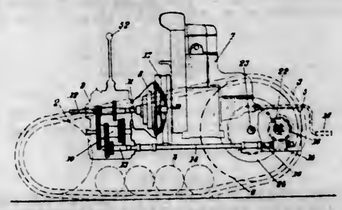
2,483,472
DEVICE FOR GRINDING AND GRATING FOOD
Carlo Matarrese, Bronx, N. Y.
Application June 30, 1945, Serial No. 602,492
1 Claim. (Cl. 146—108)



A grinding device comprising a cylindrical food chamber having a horizontal axis and an inlet opening for the food at the top thereof and means to close said opening, and a horizontally extending longitudinal slot outlet opening at the bottom thereof and means to close said opening, said chamber having an open end, a removable cover for closing said end, a rotatable and reciprocable imperforate circular disc cutting element having a solid cutting face mounted in said chamber for rotary and longitudinal movement therein, the periphery of the disc closely fitting the walls of said chamber thereby providing a small space between the peripheral edges of the cutting element and the inner wall of the food chamber, said small space constituting a second outlet for the food, grind teeth on the imperforate face of the disc, electric motor, a telescopically extensible connecting means connecting said motor with said cutting element, a housing interconnecting said motor with the food chamber and thereby providing the support for said food chamber and also providing a casing for said telescopically extensible connecting means, an opening formed in the bottom of said housing behind the cutting element and means for closing said last mentioned opening, said opening providing an outlet passage for the food which passes out of the food chamber through the space between the cutting element and the inner wall of said food chamber, and crank-controlled rack and gear means connected to said telescopically extensible connecting means for manually advancing and retracting the cutting element within the food chamber.

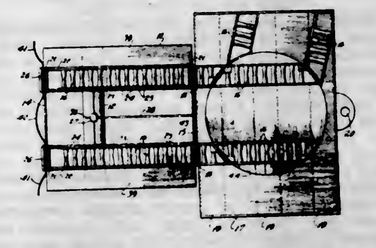
2,483,473
ENDLESS TREAD TRACTOR AND DRIVE TRANSMISSION THEREFOR
Gilbert Passelègue, Suresnes, France, assignor to Société Bernard-Moteurs, Rueil-Malmaison, Seine-et-Oise, France, a society of France
Application February 22, 1945, Serial No. 579,182
In France December 22, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1961
3 Claims. (Cl. 180—9.1)

1. A tractor which comprises, in combination, a frame, at least two endless tracks movable with respect to said frame, two sprockets for driving said endless tracks, a transverse axle for said sprockets carried by said frame at the front thereof, an engine carried by said frame directly behind said axle, a gear box carried by said frame behind said engine, a clutch interposed between said engine and said gear box, two transverse shafts carried by said frame ahead of said axle and between said sprockets, clutches mounted on



said transverse shafts, speed reducing gears interposed between said transverse shafts and said sprockets, a longitudinal transmission shaft extending from the output of said gear box in the frontward direction in the longitudinal middle plane of the tractor, at a level below that of said axle and of said transverse shafts, and a gear transmission between said longitudinal shaft and said transverse shafts.

2,483,474
SEAPLANE LANDING RAMP
Carson H. Pate, Newark, N. J.
Application June 24, 1947, Serial No. 756,655
4 Claims. (Cl. 114—43.5)

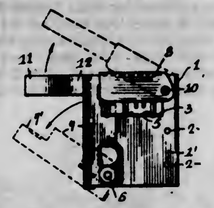


1. A sea-plane landing ramp comprising a landing stage, a ram pivotally attached thereto, a plurality of rotative members disposed across the top of the ramp, ratchets connected to the rotative members, double pawls positioned between the ratchets and engaging the ratchets on one side of the pawls against clockwise movement, a trip-roller attached to the end of the ramp in the float path of a landing plane, means actuated by the trip-roller whereby the pawls are shifted to engage the opposite ratchets against counterclockwise movement.

2,483,475
VENETIAN BLIND BRACKET
Marcel Royer, St.-Eustache sur le Lac, Quebec, Canada
Application October 8, 1947, Serial No. 778,692
6 Claims. (Cl. 248—264)

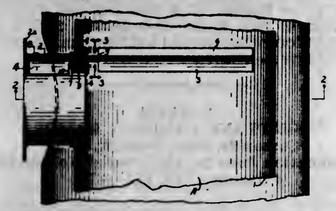
1. In combination, an angular bracket adapted to be fastened in a window frame, said bracket having a vertical side and a horizontal side adapted to support one end of a header, a clip

pivotally mounted over the upper edge of the vertical side of the bracket, and a flange directed



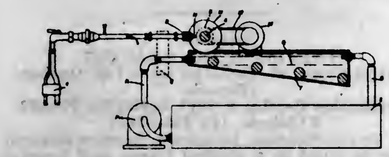
upwardly from a lower edge of said clip and forming a seat for the end of a curtain rod.

2,483,476
DEMOUNTABLE BAFFLE STRUCTURE FOR FURNACE COMBUSTION CHAMBERS
Eric H. Ryden, Elyria, Ohio, assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application May 3, 1947, Serial No. 745,795
4 Claims. (Cl. 110—97)



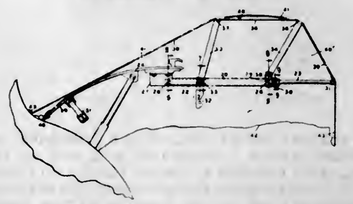
1. In a furnace having an upright heating element providing a combustion chamber, with a circular opening providing lateral access to said chamber, and a cylindrical collar associated with said opening, sheet metal baffle means including a baffle member, a base member of arcuate section to fit within said collar, and a neck member interconnecting said baffle and base members, and means for removably mounting said base member in said collar, to position said baffle member in said chamber, said mounting means including a pair of studs inwardly projecting from said collar adjacent said chamber and spaced to engage therebetween lateral edge portions of said neck member.

2,483,477
SURFACE HARDENING OF FERROUS METAL ARTICLES
Albert Edward Shorter, Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application November 30, 1943, Serial No. 512,322
In Great Britain February 11, 1943
4 Claims. (Cl. 148—21.56)



1. In a method of heat treating a ferrous metal article wherein heat is applied to at least a portion of said article while the article is supported by a holder, the step of quenching such heated article which comprises dropping the heated article vertically and freely from said holder into a stream of quenching liquid discharging substantially horizontally into and lengthwise of the bottom of a tank toward the point of removal of the quenched article from said tank and at a velocity sufficient to tumble said article within said tank and to push said article toward said point of removal.

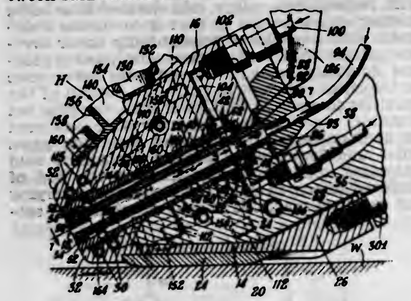
2,483,478
AUTOMOBILE TENT
Le Roy Smelker, Dayton, Ohio, assignor of one-fourth to Helen May Smelker, one-fourth to Helen Virginia Bench, and one-fourth to Roy David Smelker
Application June 10, 1946, Serial No. 675,625
24 Claims. (Cl. 135—4)



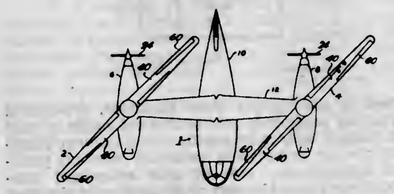
20. A tent adapted to be connected with the rear portion of an automobile having a rear compartment and a closure therefor, said tent comprising extensible frame members each including an elongate part having means whereby it may be monuted on said closure for movement to a position extending rearwardly therefrom, and a second elongate part mounted on the first-mentioned part for movement to a position in which it extends beyond the outer end of the latter, supporting elements mounted respectively on the corresponding parts of said frame members for movement to positions extending lengthwise thereof or to positions in which they extend upwardly therefrom when said frame members are in said rearwardly extending positions, a flexible frame supporting device connected with said second parts of said frame members and with said supporting elements, and having means whereby it may be connected with said automobile.

2,483,479
WIDE CONTINUOUS SLOTTED NOZZLE METAL SCARFING BLOWPIPE APPARATUS
Hugh T. Smith, Chicago, Ill., and Arthur P. Scheller, Union, Edward Meineke, Summit, and John Kolody, Basking Ridge, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application November 6, 1947, Serial No. 784,406
6 Claims. (Cl. 158—27.4)

1. A scarfing head comprising, in combination, a flat cutting oxygen nozzle, a plurality of flat preheating flame burners between which said nozzle is sandwiched, a base and a cover containing said nozzle and burners therebetween, a cutting oxygen supply passage battery member disposed back of said nozzle and overlapping the rear surface of said base and cover, an oxygen sealing gasket disposed between said battery member and said rear surface, and a clamp acting to resiliently compress said parts, said clamp comprising a rocker pivoted to said base, said rocker having a finger engaging said battery member, and a compression spring disposed between said rocker and said cover which resiliently urges said cover toward the base and turns the finger so as to urge the battery member toward said nozzle.



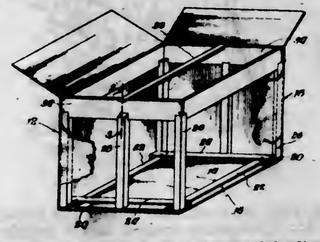
2,483,480
SPANWISE VARIABLE LIFT CONTROL FOR ROTARY WINGS
Edward A. Stalker, Bay City, Mich.
Application September 14, 1944, Serial No. 554,054
11 Claims. (Cl. 170—135.22)



1. In combination in an aircraft, a blade, means supporting the blade for rotation about an upright axis, means to rotate said blade about said axis to support the aircraft in translational motion with the axis of rotation substantially perpendicular to the said translational direction, propulsive means to propel the aircraft in translation, a trailing edge flap on said blade extending a distance inward from said blade tip less than the radius of said blade, means operable in relation to the orbital position of said blade to depress said flap on the blade in the retreating position to create a large lifting capacity on the outer portion, and means also operable in relation to the orbital position of said blade to increase the pitch angle of a substantial portion of said blade inboard of the inner end of said flap to establish a positive angle of attack relative to the reversed flow direction in the retreating position of said blade to produce a supporting lift from said reversed flow.

2,483,481
SHIPPING CARTON
John C. Stetson, Chicago, Ill., assignor to John C. Stunkel, Chicago, Ill.
Application June 21, 1946, Serial No. 678,243
2 Claims. (Cl. 229—23)

1. In combination with a rectangular carton of conventional construction having a bottom, a rectangular perimeter wall; a plurality of closure panels foldably arranged at the top of said wall; two base sill members arranged and supported on opposite sides of said bottom against opposite panels of said wall; a post arranged vertically at each corner of said rectangular perimeter wall supported at and on each end of said base sill members; a pair of slats mounted on each of said base sill members in spaced and parallel relation with opposite side panels and with each other, each slat in contactual alignment with two of said posts; a topmost pair of



slats mounted in spaced and parallel alignment with each other, and with the other opposite panels of said perimeter wall, each of said topmost slats in contactual alignment with two of said posts at right angles and above said first contactual alignment with said posts; a rectangular capping frame coextensive within said perimeter wall supported on the upper ends of said posts; and means for confining each corner post to its respective place.

2,483,482
CLOSE-UP FINDER FOR CAMERAS
Joseph Strobel, Euclid, Ohio
Application February 11, 1947, Serial No. 727,911
2 Claims. (Cl. 95—11)

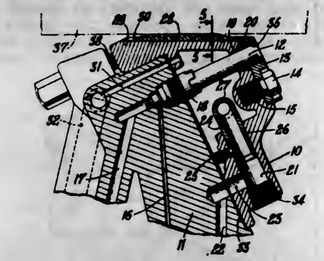


1. A close-up finder for cameras having a fixed focus comprising a plate adapted to extend forwardly of a camera, means for detachably securing the plate to the camera in fixed relation, a generally rectangular frame pivoted to the end of the plate remote from the camera and at the focal zone, the frame being adapted to fold against the plate and to be operatively positioned parallel to the camera lens whereby the center of the frame enclosed area will be in axial alignment with the lens and said area will correspond to exposed film area, spring means inter-connecting the frame and plate tending to maintain the frame in folded position, and means including a finger operable lever pivoted on the plate adjacent the camera engaging plate portion for elevating the frame to operative position.

2,483,483
SHOE FOR THERMOCHEMICAL DESURFACING MACHINES
Ivan P. Thompson, Elizabeth, and Alfred J. Miller, Garwood, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application September 27, 1945, Serial No. 618,852
13 Claims. (Cl. 266—23)

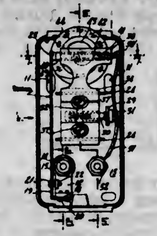
13. The combination with a scarfing nozzle for a desurfacing head, of a protective shoe surrounding a portion of the nozzle having a wall through

which the nozzle extends, a removable face-plate secured to the outer side of said wall of the shoe and around the outer end portion of the nozzle, both the face-plate and at least some of the wall of said shoe which is contiguous thereto being of metal, a wear resisting pad on the shoe for coop-



eration with the work, and supply and outlet passages for circulating cooling liquid within said shoe to carry off heat, said removable face-plate covering that portion of the shoe outer wall which is in danger of erosion and which lies between said nozzle and the side of said shoe next to the work.

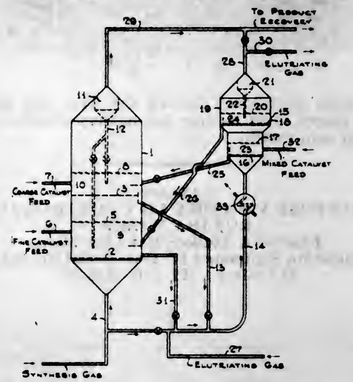
2,483,484
THERMOSTATIC SWITCH
Paul Andrews, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application June 6, 1945, Serial No. 597,908
7 Claims. (Cl. 200—138)



1. A circuit controlling room thermostat comprising a mounting plate adapted to be secured to a wall, two binding posts insulated from one another and carried by the plate, a normally vertical bimetallic warp bar disposed in a plane at right angles to the plate and having its lower end secured to the plate and connected to one binding post, a plate carried contact supporting element having a horizontal guideway parallel with the plate opposite the upper free end of the warp bar and in its line of movement with change in temperature, a contact element movable in the guideway and connected with the other binding post, and means to adjustably position the contact element.

2,483,485
HIGH VELOCITY FLUID SOLIDS TECHNIQUE
Frank T. Barr, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1947, Serial No. 794,918
7 Claims. (Cl. 260—449.6)

1. In the process in which finely divided solids are maintained in a fluidized state by upwardly flowing gases, the improvement which comprises maintaining at least two separated fluidized solids reactions zones, one of said zones being elevated with respect to the other, said elevated zone being further characterized in that it comprises fluidizable solid particles of substantially larger average particle size than the lower zone, passing gaseous fluidizing medium through said lower zone at velocities sufficient to entrain a portion of the particles comprising said lower zone, carrying out chemical reactions in said lower zone catalyzed by said particles, passing said fluidizing gases from said lower zone initially containing said entrained solids upwardly through the bed of fluidized solids in said elevated zone, carrying out chemical reactions in said elevated zone cat-



alyzed by said larger sized particles, depositing the major portion of said entrained solids in said last-named bed, discharging the gasiform fluidizing stream comprising catalytic reaction products substantially free of said entrained particles from above the bed of solids in said elevated zone, withdrawing fluidizable solid particles from said last-named zone, transferring said particles to a classification zone, separating fluidizable particles of small particle size from fluidizable particles of substantially larger average particle size in said classification zone, conveying fluidizable particles of small particle size to said lower fluidized zone and conveying fluidizable particles of substantially greater average particle size to said elevated fluidized zone.

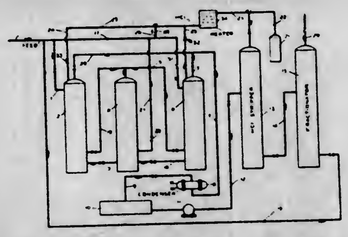
2,483,486
VIOLIN BOW
Luther S. Brown, Fresno, Calif.
Application December 21, 1944, Serial No. 569,156
2 Claims. (Cl. 84—282)



1. In a violin bow including a shaft having an upturned tip at one end and a frog at the other end and a hair unit extending between said tip and frog, a tip engaging member to which one end of said hair unit is secured, said member being substantially segmental in side elevation with the base thereof uppermost and the front and rear walls curved downwardly and forwardly

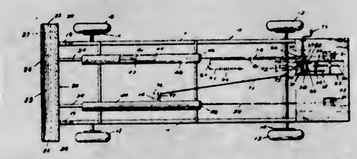
and terminating in a forwardly extending lip, and a socket in said tip having an interior configuration coinciding with said tip engaging member, the curvature of the end walls of said member and socket being such that downward pressure upon the base of said member will cause said tip to rotate downwardly and forwardly and project said lip into the tip of said socket.

2,483,487
SEPARATION OF VOLATILIZABLE METAL HALIDES FROM ADSORBENTS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 27, 1946, Serial No. 699,664
12 Claims. (Cl. 23—96)



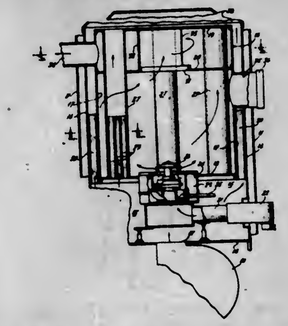
1. In a method of desorbing a volatile metal halide of the Friedel-Crafts type from a solid adsorbent material which comprises passing in contact with such a material having such a metal halide adsorbed thereon a substantially anhydrous vaporous stream of a gas which is substantially non-reactive with the metal halide under the conditions of use in admixture with a hydrogen halide the halogen of which corresponds to the halogen of said metal halide, at temperatures and pressures conducive to desorption of said metal halide, the improvement which comprises progressively increasing the hydrogen halide partial pressure during said passage to provide a hydrogen halide partial pressure higher in the later than in the earlier periods of the desorption operation.

2,483,488
LIFESAVER
Manuel Alves da Silva, Newark, N. J.
Application January 12, 1946, Serial No. 640,785
7 Claims. (Cl. 293—26)



1. A safety device of the class described, including an open mouthed sheath including arms adapted to be projected from the front of a vehicle when mounted thereon, means to project said arms, and means to retract said arms into closed position, flexible strips connected to the ends of said arms and extending within the same to be projected therewith, in forwardly divergent spaced relation with the arms and means for winding said strips when retracted with the arms.

2,483,489
HOT-AIR FURNACE
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application January 26, 1946, Serial No. 643,503
8 Claims. (Cl. 126—116)



1. A hot air furnace comprising a combustion drum having a vertical cylindrical outer wall, a top wall having a plurality of openings near is periphery, a bottom wall having similarly spaced and aligned openings and a central opening, an intermediate wall having near its periphery similarly spaced and aligned openings and a central opening, the intermediate wall being closer to the top wall than the bottom wall, vertical air tubes extending through the aligned openings in the top, bottom and intermediate walls, a tube extending from the central opening in the intermediate plate to the top plate and having a lateral discharge slot, a smoke pipe extending out of the drum wall between the upper and intermediate plates and on the side opposite the slot, an outer drum concentric with the combustion drum to provide an outer air passage, the outer drum extending below the combustion drum to provide an air chest, means including a blower for supplying fresh air to the air chest and forcing air through the air tubes and the space between the drums, and a forced draft fuel burner in the central opening in the lower wall of the drum and having a spreader to spread flame against the lower portions of the air tubes and combustion drum walls, the lower portions of said air tubes and of the walls of said combustion drum carrying vertical fins in the path of the fresh air for facilitating transfer of heat to the fresh air.

2,483,490
YARN PACKAGE SUPPORT
James S. Dix, Mount Airy, N. C.
Application May 28, 1948, Serial No. 29,689
4 Claims. (Cl. 242—161)

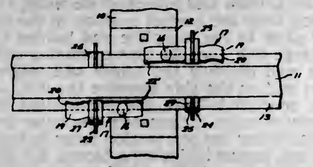
1. A device to support one conical yarn package on top of another, wherein each yarn package consists of a hollow conical core having a body of yarn wound thereon so that the upper end of each body of yarn has a substantially segmental spherical concavity into which the upper end of the associated core projects, comprising a substantially frusto-conical member whose major upper portion is adapted to snugly fit in the lower end portion of the core of the upper package, and which has a convexed bottom surface of substantially segmental spherical form to conform to and seat in the concavity provided in the body of yarn of the lower package, said member

further having a central bottom recess of a form and size to snugly receive the projecting upper end of the core of said lower package and being formed with an axial bore, a slender rod snugly slidably extending through said bore and adapted



to fit an opening provided in the smaller end of the core of a yarn package, said rod projecting above and below said frusto-conical member, and means to secure the rod in longitudinally adjusted position relative to the frusto-conical member.

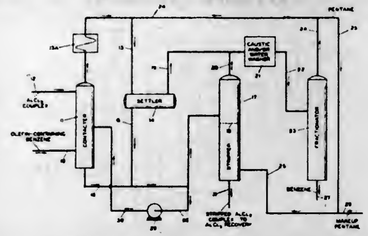
2,483,491
RAIL ANCHOR AND SPIKE HARNESS
Adam Gehnert, Marah, Mont.
Application May 21, 1947, Serial No. 749,525
4 Claims. (Cl. 238—375)



1. A rail spike retaining arrangement comprising a spike retainer element formed of spring metal and having a portion adapted to extend along the flange at the bottom of a rail and over the head of a spike driven into a tie and engaging with the bottom flange of the rail, said spike retainer being bound and having its ends bent downwardly for dig-in engagement with the top surface of the flange to prevent creepage thereof on the flange and a central indented portion, a rail anchor element fitted under the bottom flange of the rail and having a hook formation adapted to extend upwardly from the side edge of the flange and over the indented portion of the spike retainer to retain the retainer in a tightly flexed condition upon the top surface of the bottom flange.

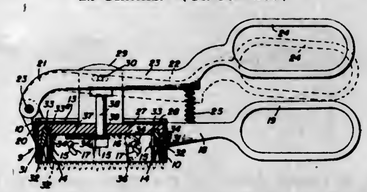
2,483,492
PURIFICATION OF BENZENE AND HOMOLOGUES THEREOF
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 12, 1946, Serial No. 689,872
5 Claims. (Cl. 260—674)

4. A process for removing olefins from monocyclic aromatic hydrocarbons which comprises liquid-liquid extracting an olefin-containing monocyclic aromatic hydrocarbon at a temperature in the range of 40 to 250° F. with a sufficient quantity of a liquid aluminum chloride-hydrocarbon complex having a heat of hydrolysis of from 200 to 480 calories per gram to effect the removal of all of the olefin from the aromatic hydrocarbon by said complex, simultaneously dissolving a portion of aromatic in said complex, withdrawing from the extracting step the resulting olefin-free aromatic hydrocarbon phase and the resulting complex phase, introducing saturated hydrocarbon selected from the group consisting of low-boiling paraffins and naphthenes to said aromatic hydrocarbon phase and thereby precipitating entrained complex therefrom, liquid-liquid extracting said complex phase with saturated hydrocarbon selected from the group consisting of low-boiling paraffins and naph-



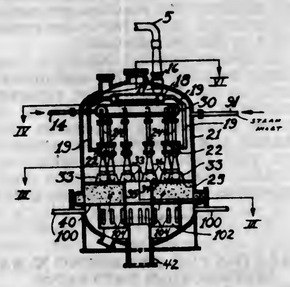
thenes and separable from the aromatic hydrocarbon by ordinary fractional distillation and thereby effecting selective extraction of the aromatic hydrocarbon dissolved in said complex without extracting any olefin from said complex, withdrawing a thus separated extract phase of low-boiling saturated hydrocarbon and aromatic hydrocarbon and a raffinate phase of extracted complex, caustic washing all of said separated aromatic hydrocarbon to remove any aluminum chloride or aluminum chloride-hydrocarbon complex dissolved or suspended therein, and fractionally distilling the resulting extract to separate a fraction of said saturated hydrocarbon suitable for recycle to said second extracting step and to said precipitating step and a fraction of olefin-free aromatic hydrocarbon.

2,483,493
SAMPLE CUTTER FOR TEXTILE PIECE GOODS
Herman Hutten, Easton, Pa.
Application October 5, 1948, Serial No. 52,804
12 Claims. (Cl. 30—209)



6. A hand applied, moved and actionable sample cutter adapted to be used while a run of textile piece goods is in motion and under tension comprising a sheath, a lever rigidly attached to said sheath and provided with a handle, a second lever pivotally mounted on said sheath and provided with a handle opposed to the first handle, spring means interposed between said levers for normally spreading same apart, a projectable and retractable cutter head telescopically mounted in said sheath and adapted to be projected beyond the sheath, said cutter head embodying a relatively fixed toothed cutter guard and a complemental relatively shiftable and shearing cutter bar cooperable therewith, and an operating connection between the cutter head and second named lever, said sheath including a slotted wall and said cutter bar having pins operable in the slots.

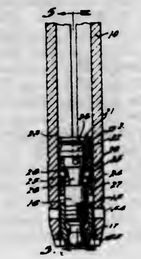
2,483,494
CATALYTIC CONVERTER
Carl E. Kleiber, Irvington, Donald L. Campbell, Short Hills, Daniel E. Stines, Plainfield, and Channing C. Nelson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Original application May 12, 1943, Serial No. 486,636. Divided and this application April 7, 1945, Serial No. 587,170
2 Claims. (Cl. 23—288)



1. A reactor for carrying out high temperature short time catalytic reactions, which comprises a vertical cylindrical reactor shell, a horizontal catalyst bed dividing the shell into upper and lower portions, distributing pipes in the upper portion of the shell for separate reactant vapors, mixing means for admixing said vapors conveyed separately thereto from the distributing pipes, a vertically disposed nozzle associated with said mixing means for discharging the mixed vapors in a confined stream downwardly toward an upper surface of the catalyst bed spaced below the lower extremity of the nozzle, and a hood member about the lower portion of the nozzle with a clearance therefrom for vertical adjustment of said hood member by independent motion with respect to the nozzle, said hood member being supported in position by contacting relationship with the catalyst bed whereby the mixed vapors are discharged from the nozzle flow in a confined stream directly into the upper surface of the catalyst bed.

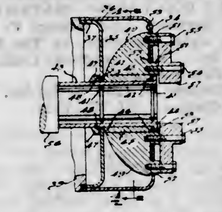
2,483,495
HARDNESS TESTER
William F. Klemm, Detroit, Mich.
Application April 14, 1945, Serial No. 588,295
5 Claims. (Cl. 73—79)

3. In a hardness indicating device, a tubular body having a hollow interior, a hammer in said body having an end which is projectable from one end of the body and having a surface tapering toward said end, locking balls carried by the hammer and engageable with the interior wall of the body, a sleeve shiftably mounted on the hammer for moving the balls into locked and unlocked positions relative to the tapered surfaces of the hammer and body, and means for



moving said sleeve near the end of the upper and lower travel of the hammer.

2,483,496
PRECISION CHUCK
William F. Klemm, Detroit, Mich.
Application September 3, 1946, Serial No. 694,652
9 Claims. (Cl. 279—46)

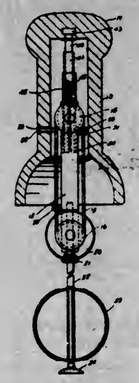


6. In a precision chuck, a pair of diaphragms having cylindrical peripheral walls which are secured in telescoping relation to each other and having central apertures, a cylinder extending through said apertures and secured to said diaphragms, means for deflecting said diaphragms by the axial movement of said cylinder to produce a radial expansion to the cylinder outwardly of its axis, with all portions of the cylinder maintained parallel to the axis in all positions, arms positioned between said diaphragms and secured to said cylinder having fingers thereon extending through apertures in one of the diaphragms, and jaws secured to said fingers to be moved by said arm when said arm is moved by said cylinder to move said jaws away from each other while maintaining them in parallel relation to each other and to their various positions.

2,483,497
ACTUATING DEVICE FOR EGG BEATERS
Theodore Keith Lewis, Wauneta, Nebr.
Application June 27, 1947, Serial No. 757,623
2 Claims. (Cl. 74—95)

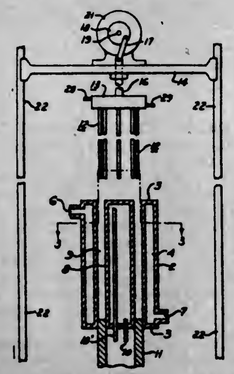
1. Actuating mechanism for an egg beater comprising a frame, two pulleys rotatably mounted on said frame in vertical alignment, an endless flexible belt drivably trained over said pulleys, a hollow handle substantially cylindrical in shape mounted over said frame, a telescoping spring biased means connecting said handle to said

frame, a tab secured to said belt adapted to be engaged by said handle for vertical movement



therewith, and gear means associated with one of said pulleys for driving the egg beater.

2,483,498
METHOD OF MAKING CALCAREOUS-SILICIOUS INSULATING MATERIAL
Rubin Lewon, Berkeley, and George P. Lechich, Menlo Park, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware
Application October 31, 1947, Serial No. 783,407
4 Claims. (Cl. 25—155)



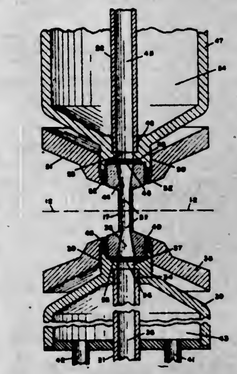
1. In the method of making a light weight mass of porous heat insulating material from an aqueous slurry containing reactable calcareous and silicious materials, wherein the slurry is pre-set in a mold to a firm self-supporting mass, and after such pre-setting is removed from the mold and subjected to an indurating treatment out of the mold; the steps comprising utilizing a mold which is adapted to be heated, pouring the slurry into said mold, heating the slurry in the mold for a relatively short time by insertion of heated elements directly into the slurry in the mold and to which elements heat is supplied in an amount sufficient to effect substantial thickening of said slurry, removing said heated elements from said slurry before substantial pre-setting of the slurry occurs, and in addition to applying heat to said slurry by said heated elements applying heat to the mold and maintaining the mold heated during the pre-setting period which continues after the heated elements are removed.

2,483,499
LUBE OIL ADDITIVES AND PREPARATION THEREOF
Eugene Lieber, New York, N. Y., and Aloysius F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 8, 1944, Serial No. 567,312
10 Claims. (Cl. 260—607)

1. The process which comprises reacting a paraffin wax sulfonyl chloride having at least two chlorine atoms with a monomeric condensed polynuclear aromatic hydrocarbon in the presence of a Friedel-Craft catalyst, using a final reaction temperature of about 100° to 400° F., to produce high molecular weight polymeric sulfone compounds, hydrolyzing and removing residual catalyst, and distilling the reaction products under reduced pressure to obtain the desired condensation product as distillation residue.

9. An oil soluble product having a molecular weight range from 500 to 5,000 and substantially non-volatile up to 400° F. under reduced pressure comprising essentially polymeric sulfone condensation products of a paraffin wax sulphonyl halide and a polynuclear aromatic hydrocarbon, said product being obtained by a Friedel-Crafts condensation having a final reaction temperature in the range 100 to 400° F.

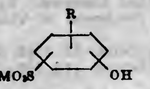
2,483,500
APPARATUS FOR OBTAINING X-RAY DIFFRACTION PATTERNS
Robert Warren Long, Winter Park, Fla., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 18, 1947, Serial No. 761,791
3 Claims. (Cl. 250—151)



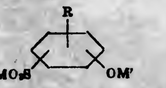
1. In an apparatus of the character described including a source of X-ray radiation, means for forming a collimated beam of X-rays, and means for recording X-rays diffracted from said collimated beam, the improvement which comprises a thin-walled tubular element having a capillary bore adapted to contain a powdered solid, said tubular element being constructed from a solid material capable of withstanding preselected conditions of temperature and pressure and capable of passing X-rays without marked absorption thereof and said element being arranged transverse said collimated beam, a first conduit sealed to one end of said tubular element and adapted to convey fluid reaction material into said bore, a second conduit sealed to the other end of said tubular element and adapted to convey fluid reaction material out of said bore, means connected to said first conduit for supplying fluid reaction materal thereto, and means connected to said second conduit for adjusting pressure therein whereby diffraction characteristics of the powdered substance contained in said bore may be determined in the presence of a fluid reaction material at a selected pressure.

2,483,501
DOUBLE SALTS OF PHENOL SULFONIC ACIDS
John G. McNab, Cranford, and Carl Winning, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 29, 1946, Serial No. 693,812
4 Claims. (Cl. 260—512)

4. The method of converting a compound of the structure

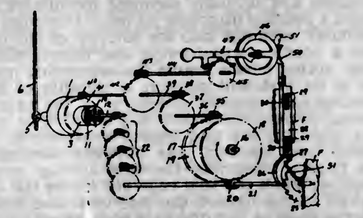


where M is a metal selected from the group consisting of alkali and alkaline metals and R is a branched chain alkyl radical having 8 to 24 carbon atoms, into a compound of the structure



where M and M' have the same meaning as M above, and R has the same meaning as R above, which comprises reacting the first named compound with a metal hydroxide selected from the group consisting of alkali and alkaline earth metal hydroxides in the presence of a non-aqueous solvent while removing the water of neutralization as formed.

2,483,502
ELECTRIC CLOCK
Anton R. Nelson, Burlingame, Calif.
Application February 3, 1945, Serial No. 575,993
6 Claims. (Cl. 58—26)



1. In an electric clock having a synchronous electric motor that includes a motor shaft for driving a time indicator and an electrically driven rotor coaxial therewith, power transmission gears connecting said rotor with said motor shaft, a housing from which said motor shaft rotatably projects enclosing and supporting said gears and said rotor, field magnets in an electrical circuit adjacent said rotor for causing rotation thereof when said circuit is closed, means mounting said housing for rotation about the axis of said motor shaft, a second spring motor for revolving said housing, transmission gears and shaft as a unit about the axis of said shaft for continuing normal rotation of the latter upon interruption of current in said circuit, driving means connecting said second motor with said housing for so revolving the latter, a mechanical starter for said second motor operatively connected therewith, and means actuated by the spring of said spring motor for positively and automatically actuating said starter for starting said second motor upon said cessation of current.

2,483,503
TOOTHBRUSH
Jacob E. Pollack, Dundalk, Md.
Application April 18, 1946, Serial No. 663,074
1 Claim. (Cl. 15—167)

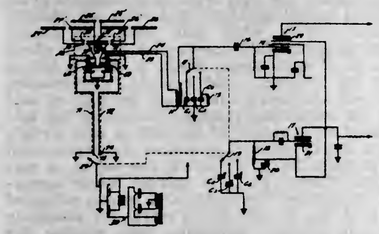


A toothbrush comprising a body member of stiff fibrous material embodying an elongated handle portion longitudinally curved throughout its length and of V-shaped form in cross section, and a head portion forming a longitudinal extension of said handle portion at one end thereof having side walls integrally joined with the divergent side walls of said handle portion on longitudinally continuous arcs, a plurality of tufts of bristles disposed in longitudinally spaced apart relation between the side walls of said head portion, and said walls being crimped inwardly into holding engagement with the spaced bristle tufts and into contacting engagement with each other between said tufts and constituting the sole means securing said bristle tufts in permanent fixed relation to said handle and head portions of the body member.

2,483,504
TRIPLE ELEMENT AUTODIRECTIONAL ANTENNA SYSTEM
Arthur H. Gutschow, Oswego, N. Y., and Charles R. Reese, Ghent, Ky.
Application July 13, 1948, Serial No. 38,484
3 Claims. (Cl. 343—100)

1. In combination with a television receiver having a multi-position channel selector, an antenna system comprising a plurality of individual antenna elements, each element being associated with one of the channels selected by said channel selector, an electromagnetically-operated selector switch at said antenna system having a pair of movable contact members and respective pairs of stationary contacts connected to the respective antenna elements, a pair of lead-in conductors connecting said movable contact members to the input circuit of the receiver,

and means at the receiver mechanically coupled to said channel selector for selectively energizing

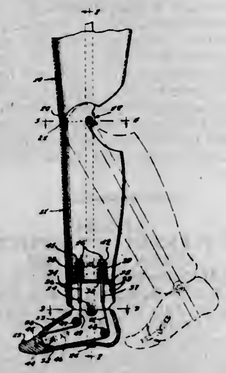


said selector switch responsive to the actuation of the channel selector.

2,483,505
COMPOUNDED LUBRICATING OIL
Dilworth T. Rogers, Summit, and John G. McNab, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1944, Serial No. 570,742
7 Claims. (Cl. 252—42.7)

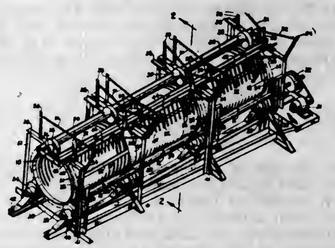
1. A compounded lubricant comprising a mineral lubricating oil base and 0.02% to 20% of a product obtained by reacting elemental sulfur with a basic polyvalent metal salt of an alkylated phenol sulfide having at least 5 carbon atoms in each alkyl group at a temperature of 90° to 210° C., the proportion of reactants being such that 0.1 to 2.5 atomic proportions of sulfur are present for each atomic proportion of metal.

2,483,506
ARTIFICIAL LIMB
Hansel Sartin, Tujunga, Calif.
Application December 2, 1947, Serial No. 789,236
3 Claims. (Cl. 3—6)



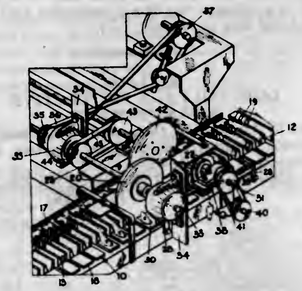
1. An artificial leg comprising a hollow, thin-walled thigh member, a hollow, thin-walled shank member, a knee joint between said thigh and said shank members, a hollow foot member pivotally connected to the lower end of said shank member, a toe member pivotally connected to the front end of said foot member, and resilient means supported by said shank members and operatively connected to said toe members controlling movements of said toe member relative to said foot member and movements of said toe and foot members relative to said shank member, said resilient means comprising a transverse wall in the lower portion of said shank member, said wall having a pair of apertures therein disposed one near the front and one near the rear of said shank member, a pair of pins slidably received one in each of said apertures, a respective compression spring surrounding each pin above said transverse wall, adjustable abutments one on the upper end of each pin bearing on the corresponding compression springs, a pair of sheaves in said hollow foot member disposed one in the instep and one in the heel portion thereof, a cable extending from the lower end of the rearward of said pins over the sheave disposed in the heel portion of said foot member and connected to the inner end of said toe member at the lower edge thereof, and a cable extending from the front pin member over said sheave disposed in the instep portion of said foot member and connected to the inner end of said toe member at the upper edge thereof.

2,483,507
FISH GRADING AND SEPARATING APPARATUS
Herbert P. Smith, Eastport, Maine, assignor to Riviera Packing Company, Eastport, Maine, a partnership composed of Victor N. Cory and Arnold Vogi
Application November 10, 1945, Serial No. 627,920
4 Claims. (Cl. 209—384)



1. A dislodging mechanism for a fish separating apparatus of the type having a rotatable cylindrical cage formed of a helically coiled element presenting discharge openings between the convolutions thereof, said mechanism comprising a supporting member having fixedly attached thereto a plurality of elongated tine fingers spaced to correspond to the pitch of said convolutions and pivotally mounted for turning between a position disposing its fingers through the discharge openings into the interior of the cage and a position withdrawing the fingers therefrom, spring means urging the supporting member to its first said position, a plurality of bars longitudinally secured exteriorly of the cage at spaced points thereabouts and adapted to contact and turn the said fingers outwardly to the second said position, said outward turning of the fingers tensioning the said springs means whereby, when the said cage bar leaves the distal end of the fingers, the said tensioned spring returns them to the first said position with sufficient impact to dislodge any fish caught in the said discharge openings, said fingers being of a thickness less than said discharge openings and their said supporting member being axially movable for a limited extent and having a spring urging it to one end thereof, the said helically coiled element advancing the fingers and their supporting member axially against its said spring whereby, when the fingers are turned by the bar to their second said position, the supporting member is returned axially by its said spring to its said end position for entering the said convoluted discharge openings at another angular position of the cage.

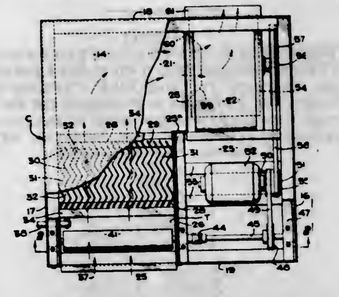
2,483,508
APPARATUS FOR TRIMMING FISH
Herbert P. Smith, Eastport, Maine, assignor to Riviera Packing Company, Eastport, Maine, a partnership composed of Victor N. Cory and Arnold Vogi
Application November 10, 1945, Serial No. 627,921
5 Claims. (Cl. 17—3)



1. In an apparatus for trimming fish, a head cutting and entrail removing mechanism, and conveyor means for carrying fish to said mechanism; said means being adapted to operatively support fish transversely disposed to the direction of travel; said mechanism comprising preliminary cutting means so disposed with respect to the conveyor means as to be in the path of the head portions of fish operatively carried thereby, and so set as to partially cut through said head portions, plow means containing a wedge-shaped member positioned behind said cutting means and so disposed with respect thereto as to engage the partially cut portion of the fish, whereby the head portion will be forced outwardly and detached from the body of the fish and the entrails pulled outwardly with the head portion, and trimming means behind said plow means and in substantial alignment with said preliminary cutting means, whereby any remnants and entrails extending from the cut end of the body of the fish will be severed upon engagement with said trimming means.

2,483,509
AIR CONDITIONING APPARATUS
Arthur A. Soderman, Los Angeles, Calif.
Application January 11, 1947, Serial No. 721,611
3 Claims. (Cl. 62—139)

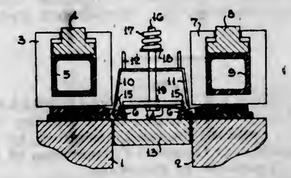
2. An air conditioning apparatus, comprising: a casing having an air inlet and an air outlet; a blower between said inlet and said outlet for creating air flow from the inlet to the outlet; baffles in said casing constructed and arranged to divide the air flow into a plurality of streams and to cause each stream to define horizontally tortuous paths; a trough for water in said casing beneath said baffles; and a roller in said trough rotatable about a horizontal axis and partly submerged in the water so that when rotated in a direction toward said baffles it will project upwardly into the air flow entering said passages.



2,483,510
COMPOSITION FOR DIP COATING SOLUTION AND DIP PROCESS FOR COLORING ZINC
Jesse Edwin Stareck, Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application April 14, 1945, Serial No. 588,423
8 Claims. (Cl. 148—6.21)

5. A method of forming black surface conversion coatings on zinc, consisting in dipping the zinc in a water solution consisting essentially of hexavalent chromium, an activating acid radical of the group consisting of sulphate radicals and fluoride radicals, and silver ion, and then removing the zinc from the solution.

2,483,511
INNER TUBE SPLICING DEVICE
Herbert H. Vickers, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 2, 1947, Serial No. 751,803
4 Claims. (Cl. 154—9.7)



4. In a device of the character described, base members for supporting materials to be spliced, clamps for holding said materials on said base with the opposed free ends extending beyond said clamps and base members, a cutting anvil between said base members to support the free ends of said material, means for trimming the free ends of said material, and means associated with said trimming means movable therewith to engage the free ends of said material, near the lateral edges thereof, prior to contact of the

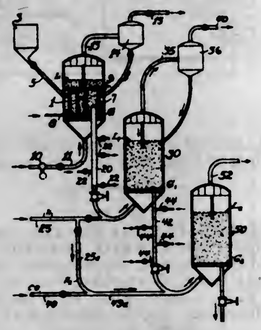
trimming means with said material, to compress said ends at the lateral edges against the anvil and toward the clamping means, during trimming of said ends by the trimming means.

2,483,512

HYDROCARBON SYNTHESIS PROCESS CATALYZED BY OXIDIZED AND REDUCED IRON

Alexis Voorhies, Jr., and John J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 26, 1946, Serial No. 643,796
3 Claims. (Cl. 260—449.6)



1. A method for producing hydrocarbons by a catalytic synthesis from carbon monoxide and hydrogen in the presence of an iron catalyst adapted to promote the formation of substantial quantities of oxygenated hydrocarbons which comprises contacting a mixture of carbon monoxide and hydrogen in a reaction zone at synthesis temperatures and pressure with a catalyst prepared by oxidizing powdered iron at a temperature within the range of from 600°–900° F., thereafter reducing the oxidized iron with a hydrogen-containing gas at temperatures within the range of about 600°–900° F., permitting the carbon monoxide and hydrogen to contact the said reduced iron oxide for a sufficient period of time in the reaction zone to effect the desired conversion, and thereafter recovering from said reaction zone a product containing normally liquid hydrocarbons and oxygenated hydrocarbons.

2,483,513

PRODUCTION OF BASIC LINEAR POLYMERS

Sidney James Allen and James Gordon Napier Drewitt, London, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application April 19, 1946, Serial No. 663,626. In Great Britain April 12, 1944
6 Claims. (Cl. 260—78)

1. Process for the production of basic linear polyamides, which comprises heat reacting a polyamine containing two and only two primary amino groups and at least one secondary amino group and whose primary amino groups are its sole reacting groups, the primary amino groups being separated from each secondary amino groups present by at least 2 atoms with a substantially equimolecular quantity of oxalic ester until a fiber-forming polymer is produced.

2,483,514

PRODUCTION OF BASIC LINEAR POLYAMIDES

Sidney James Allen, London, James Gordon Napier Drewitt, Spondon, near Derby, and Frank Bryans, Ilford, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 26, 1947, Serial No. 770,770. In Great Britain September 2, 1946
6 Claims. (Cl. 260—78)

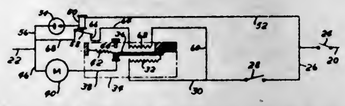
1. Process for the production of linear polyamides, which comprises reacting between 1.05 and 1.25 moles of an ester of oxalic acid selected from the group consisting of methyl and ethyl esters with 1 mole of tetramine containing as its sole reactive groups two primary amino groups and a pair of secondary amino groups linked by the radical —CH_2—CH_2—, the process being carried out without external heat and in a medium which is a solvent for the monomers and a non-solvent for the polymer.

2,483,515

LOW-VOLTAGE PROTECTIVE ARRANGEMENT

Donald F. Alexander, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 9, 1945, Serial No. 603,795
1 Claim. (Cl. 175—294)



An electrical circuit adapted to connect an electrical load to a power source including a thermal current overload protector having a thermal motor actuating element for disconnecting the load from the power source, said overload protector being provided in said circuit between the load and the power source, said circuit including an electrical heating device connected in series circuit arrangement with the overload protector for operating said thermal motor actuating element upon a current overload, said circuit including a voltage responsive circuit portion continuously connected in parallel circuit arrangement with said load, a low voltage electromagnetic relay having its operating coil continuously connected in series with said voltage responsive circuit portion, a second circuit portion having a second electrical heating device for heating and thereby operating said thermal motor actuating element, said relay having a normally closed switch contact mechanism connected in series with said second heating device for connecting said second circuit portion to said power source to energize said second heating device.

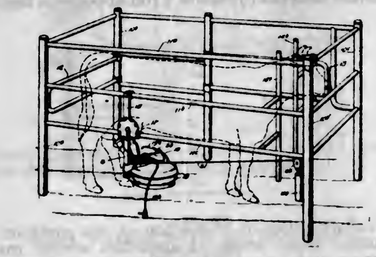
2,483,516

SUPPORTING ARRANGEMENT FOR MILKERS

Henry B. Babson, Chicago, Ill., assignor to Babson Bros. Co., a corporation of Illinois

Application January 19, 1944, Serial No. 518,798
8 Claims. (Cl. 31—58)

1. Apparatus of the character described for supporting a suspended milker in operative relation to an animal being milked, comprising: a stationary supporting element; a horizontally movable supporting member mounted on said element and adapted to carry the milker; force-applying means spaced from said supporting member for urging said member in a desired direction; and a connecting member attached to said force-applying means and said supporting member, said connecting member being attached



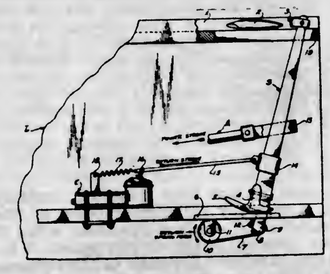
to said supporting member at a point, and extending therefrom in a direction, such that the force exerted on the milker will be relatively unaffected by movement of the supporting member within the normal operating range thereof.

2,483,517

HYDRAULIC CHECK

Roy O. Balogh, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1946, Serial No. 670,252
17 Claims. (Cl. 139—161)



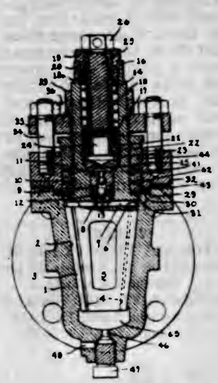
17. In combination in a loom, lay mechanism, a shuttle picker, means mounting said picker for motion between an outward position and an inward position, power means associated with said picker to move it toward its inward position to cast a shuttle, return means applying a force tending to move said picker toward its outward position, means for opposing the force of said return means and preventing said return means from further moving the picker when the latter is returned to a predetermined shuttle-receiving position intermediate said inward and outward positions, a hydraulic check device for said picker, said check device including liquid reservoir, piston, and cylinder elements, a liquid metering passageway connecting said cylinder and reservoir, means linking one of said elements to the picker and the other element to a loom part and arranged to cause the piston to advance into the cylinder and displace fluid through the metering passageway into the reservoir as the shuttle strikes the picker and moves it further outwardly from said shuttle-receiving position, and means to adjust the net resistance offered by the check device after the picker is carried outwardly of said shuttle-receiving position so that said check device absorbs the energy of the shuttle to bring the picker and shuttle to a dead stop without rebound.

2,483,518

PLUG COCK VALVE

Mortimer L. Bettcher, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York

Application February 3, 1945, Serial No. 575,994
3 Claims. (Cl. 251—93)



1. In a plug cock valve, the combination of the valve casing, a rotatable plug having a hollow valve stem mounted therein, a detachable lubricant cylinder mounted within said valve stem, reciprocably yielding means for moving said cylinder downwardly in said valve stem, means movable in said cylinder to discharge lubricant therefrom into said valve stem to compress said yielding means, a dual check valve means for permitting the flow of lubricant from the interior of the valve stem to the surface of the plug in the casing of the valve but preventing the flow of liquids or gases from the valve into the valve stem.

2,483,519

FISHING ROD AND HANDLE ASSEMBLY

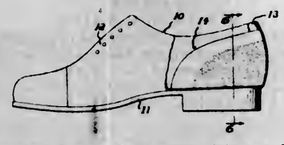
August Charles Bishoff, Detroit, Mich.

Application April 12, 1946, Serial No. 661,855
5 Claims. (Cl. 43—22)



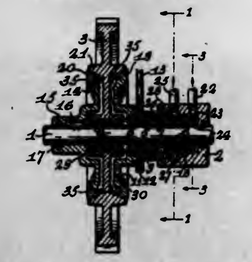
3. In combination, a fishing rod, a handle having a reel seat and provided with a socket adapted to receive the end of the rod, a plunger part coupled with the rod and receivable through the socket, and means slidable over the rod and adjustably engaged within the socket and operable to urge said plunger part to project beyond the socket and overhang the reel seat to lock a reel base thereon, said reel base and plunger part each provided with inter-engaging parts adapted to cooperatively engage each other to rotatably position the rod with respect to the reel base when the plunger part is urged against the reel base.

2,483,520
COUNTER STIFFENER FOR SHOES
Cecil J. Blake, Hudson, Mass.
Application June 4, 1947, Serial No. 752,342
1 Claim. (Cl. 36—68)



A counter for a shoe comprising a blank of relatively stiff stock, the bottom margins of which is to constitute a flange, the remaining margins of said blank being tapered to render them relatively flexible, and an adhesive coat on the inner and outer surfaces of said counter inwardly of said margins but inclusive of a substantial part of the zone of the break line established when said flange is formed, both surfaces of said margins being wholly free of said adhesive.

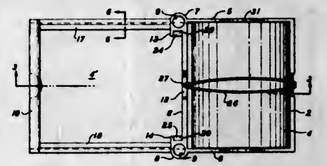
2,483,521
AIR SUCTION CLUTCH
Hilaire Blanchette, St. Simon de Drummond, Quebec, Canada
Application March 27, 1947, Serial No. 737,670
In Canada April 12, 1946
3 Claims. (Cl. 192—87)



1. An air suction clutch comprising a shaft, a pair of clutch plates spacedly mounted thereon, a gear slidably mounted longitudinally between said plates having a clutch face on each side thereof engageable with the corresponding plate, said gear having a sleeve-shaped hub extending along the shaft in one direction and protruding from between the shaft and one clutch plate, longitudinal duct means through said sleeve extending from the protruding end to the space between the gear and the other clutch plate, a suction line connected to said duct means at the protruding sleeve end, other suction means connected to the space between the gear and said one clutch plate, and air sealing means peripherally enclosing the space between each clutch plate and its clutch face; whereby the gear may be brought selectively into engagement with each of said plates by operation of said suction line and said suction means.

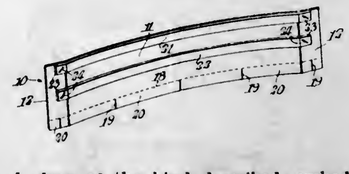
2,483,522
MEMO ROLL
Ransom Y. Bovee, Van Nuys, Calif., assignor of one-fifth to Earl E. Moore, Los Angeles, Calif.
Application March 15, 1947, Serial No. 734,959
2 Claims. (Cl. 281—6)

2. A memorandum unit comprising a base which is flat and has one end curved upwardly to form a rear wall, a hook centrally positioned at the top of the rear wall, an upright partition spaced forwardly of the rear wall and spaced slightly above the base, a pair of spaced side walls joining the rear wall with the partition to form a chamber adapted to receive a roll of paper, a hook



centrally positioned at the top of the partition, a rubber band which is stretched across the chamber and looped into said hooks, and marginal overhanging side edges along the forward portions of the base adapted to guide paper along the forward top part of the base.

2,483,523
DOOR FOR BULK COMMODITY RAILROAD CARS
Martin Brandon, Villa Park, and Franklin P. Robinson, Glenview, Ill., assignors to The Branco Corporation, Chicago, Ill., a corporation of Illinois
Application May 19, 1944, Serial No. 536,333
5 Claims. (Cl. 160—368)

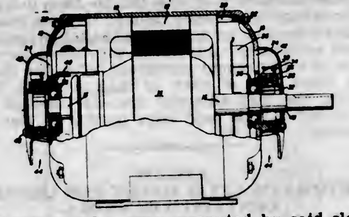


1. A door of the kind described, embodying therein a generally rectangular panel of fibrous sheet material of uniform thickness wider than the door opening of the car for which it is designed and cambered inwardly of the car and including lateral margins for attachment to parts of the car at the sides of said door opening, and at least one laterally extending bracing element having the camber of and attached to one of the faces of the panel, the braced door flexibly resisting compression imposed upon its convexed face by any commodity in the car pressing thereagainst.

2,483,524
ELECTRIC MOTOR CONSTRUCTION
Steffen S. Brown, Dayton, Ohio, assignor to The Brown-Brockmeyer Co., Dayton, Ohio, a corporation of Ohio
Application October 12, 1946, Serial No. 702,952
4 Claims. (Cl. 171—252)

1. In an electric motor or the like having an end cover plate with a central aperture therein; said plate being of concavo-convex formation, a hollow sleeve extending through said aperture into the concave side of said plate and secured to said plate for supporting a bearing, means supported by said sleeve on the convex side of said cover for lubricating said bearing; ventilation apertures in said end cover arranged around said central aperture, means on said sleeve on

the concave side of said cover for supporting a



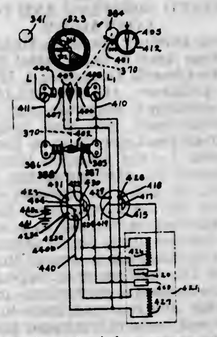
brush ring and means supported by said sleeve for shielding said ventilation apertures.

2,483,525
BABY'S SHOE WITH ENLARGEABLE OPENING
Jack Brust, Los Angeles, Calif.
Application April 4, 1947, Serial No. 739,396
1 Claim. (Cl. 36—45)



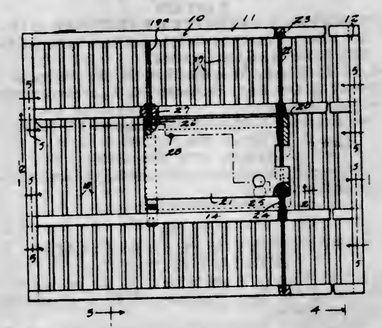
A baby's shoe having a flat, flexible sole, a toe and vamp portion secured to said sole with a tongue secured thereto, a quarter portion secured to said sole and overlapping said toe and vamp portion at opposite sides a short distance, and stitched to said vamp portion at opposite sides approximately half way up the vamp, whereby said quarter portion can be folded downwardly upon itself to give clearance into said toe and vamp portion, and a lacing loop integrally formed at the juncture of the toe portion and the tongue for holding a lacing by its middle with its ends free for lacing purposes in the quarter portion when said quarter portion is raised to its normal position.

2,483,526
DOMESTIC APPLIANCE
Robert R. Candor, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 26, 1945, Serial No. 618,680
9 Claims. (Cl. 219—20)



1. A control for electric ranges, or the like, comprising a timer adapted to establish a predetermined heating cycle and having predetermining and non-predetermining positions, a timer thermostat, said timer and timer thermostat adapted jointly to connect and disconnect heating means to a power source with said timer thermostat acting in response to temperatures created by said heating means during said predetermined heating cycle, a non-timer thermostat having off and heating temperature positions, adapted to connect and disconnect said heating means in response to temperatures created by said heating means, and means responsive to the setting of said non-timer thermostat in temperature position for locking said timer in said non-predetermining position while said timer is in non-predetermining position.

2,483,527
SHIPPING COOP
Ose F. Carpenter, Brightwood, Va.
Application October 14, 1946, Serial No. 703,179
1 Claim. (Cl. 217—56)

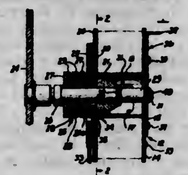


In a shipping coop having a top wall formed of a rectangular frame, dowels extending across the sides of the frame, and a pair of intermediate longitudinal bars between the ends of the frame each of said intermediate bars having a height greater than the height of said frame, the plane of the lower side of said bars being offset downwardly from the plane of the lower side of said frame; a closure pivotally disposed between said pair of bars, and a closure supporting strap fixed between said bars, said strap being formed with upturned apertured ends disposed on the outer sides of said longitudinal bars through which aligned dowels are adapted to engage for securing said strap on said coop, and said strap also including an upwardly offset intermediate portion upon which the lower side of said closure is adapted to engage.

2,483,528
RIBBON SPOOL
Chris A. Christoff, San Gabriel, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application January 24, 1947, Serial No. 723,943
6 Claims. (Cl. 242—70)

1. A ribbon spool assembly comprising the combination of a supporting shaft, a ribbon side flange mounted on said shaft, means for transmitting rotation to said flange, a replaceable ribbon spool comprising a ribbon barrel and a side flange integral with one end thereof; said last mentioned side flange having a bearing portion rotatably mounted on said shaft, said barrel hav-

ing tapered projections extending axially from the opposite end thereof and converging from said opposite end, said projections being adapted to fit in circular apertures in said first mentioned



flange to transmit rotation therebetween and to support said opposite end of said barrel, and means for removably maintaining said spool in coacting relation with said first mentioned flange.

2,483,529

2-BENZYL - 4 - ALKOXYMETHYLENE-5 (4)-OXAZOLONE HYDROHALIDE AND PROCESS FOR MAKING SAME

Robert L. Clark, Woodbridge, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application August 14, 1946, Serial No. 690,597
6 Claims. (Cl. 260—307)

1. 2 - benzyl-4-alkoxymethylene-5(4)-oxazolone hydrohalide.

2,483,530

BETA-ETHOXY-ALPHA-PHENYLACETAMIDOACRYLIC ACID

Robert L. Clark, Woodbridge, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application August 14, 1946, Serial No. 690,597. Divided and this application June 21, 1947, Serial No. 756,329
1 Claim. (Cl. 260—519)

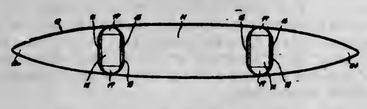
β-ethoxy-α-phenylacetamidoacrylic acid.

2,483,531

BOAT CONSTRUCTION

Felix J. de Boisblanc, New Orleans, La.

Application October 1, 1947, Serial No. 777,195
2 Claims. (Cl. 9—3)



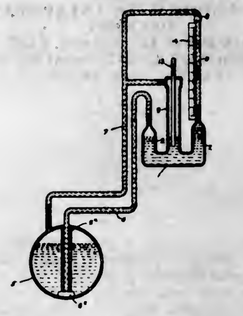
1. A boat construction adapted especially for canoes, and the like, which comprises a hull, a hollow seat member extending transversely of the hull and having a seat portion at the top and opposed walls extending downwardly from the seat portion to the bottom of the hull, said member also having walls extending from the sides of the seat portion to the adjacent sides of the hull and joining said opposed walls to form therewith a substantially continuous edge portion conforming to the contour of the adjacent sides and bottom of the hull, and means for securing said edge portion to the hull in water-tight relation thereto, whereby the seat member acts to brace the hull and forms a water-tight compartment under said seat portion, in which the hull and seat member are metal, the sides of the hull being turned outwardly at the top to form horizontally extending gunwale flanges, the construction comprising also an inverted, channel-shaped element secured to each flange with the depending sides of said element extending below the flange, the inner side of each of said elements lying within the hull adjacent one side thereof and overlying part of said edge portion of the seat member.

2,483,532

AUTOMATIC LEVEL GAUGE FOR LIQUIDS CONTAINED IN TANKS

Raúl Calderón de Palacio, Mexico City, Mexico

Application February 19, 1945, Serial No. 578,612
In Mexico March 1, 1944
4 Claims. (Cl. 73—299)



1. A tank gauge comprising a horizontally disposed tubular member, a pair of upwardly extending tubular columns one at each end of said first named member, mercury in said tubular member and extending partly into said columns, a pipe communicating one of said columns with a tank, an indicating column extending coaxially from the other one of said columns and having a smaller diameter than said other column, an intermediate column between said pair of columns, said mercury also extending partly into said intermediate column, and a calibrating member in said intermediate column and adjustable lengthwise thereof.

2,483,533

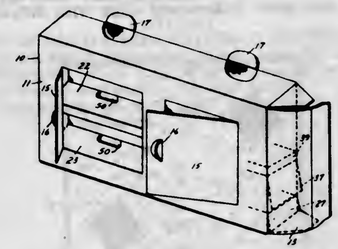
COMBINED SHIPPING AND DISPLAY CONTAINER

Betty Vivian Dubiner, Toronto, Ontario, Canada

Application April 9, 1945, Serial No. 587,351
In Canada December 2, 1944
2 Claims. (Cl. 206—45.19)

1. In a combined shipping and display container having front, rear, top, bottom and end panels and at least one door in the front panel giving access to the interior thereof; a shelf forming insert for said container formed of a single sheet of material foldable along scored lines to form an upper and lower shelf, a spacer between said shelves serving as a spacer and as a support for the upper shelf, extensions on the lower shelf foldable along scored lines to form a support for the bottom shelf when inserted in the container, lateral extensions on the upper shelf foldable along scored lines to contact the lower shelf and support the upper shelf in a horizontal position in cooperation with the spacer when the upper shelf is folded parallel to the

lower shelf, the top shelf being formed of two pieces of material folded along scored lines into spaced parallel superimposed relation, the top piece having an extension foldable along a scored



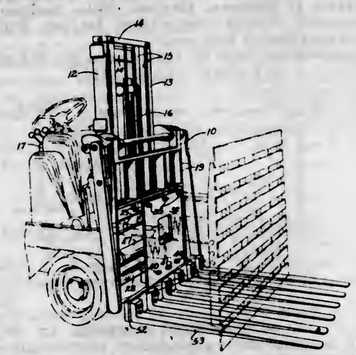
line and adapted to fit snugly against the rear panel and engage against the top panel of the container when the shelf forming insert is placed in the container in its folded condition.

2,483,534

SIDE SHIFT MECHANISM FOR LIFT TRUCK FORKS

Joseph A. Frischmann and Raymond J. Herman, Cleveland, Ohio, assignors to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio

Application November 4, 1947, Serial No. 783,980
4 Claims. (Cl. 214—113)



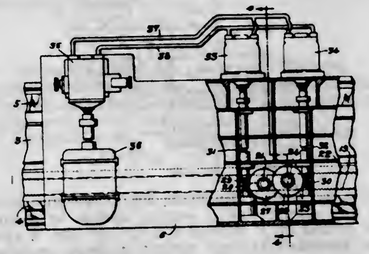
1. In a truck embodying a frame, a mast thereon, a carriage supported thereby, and means for elevating the carriage; mechanism for moving the load-supporting member transverse the medial axis of the truck comprising a horizontal rail formed from an angle iron mounted on the carriage with one of the flanges thereof disposed in a vertical plane, a second angle iron constituting a shoe mounted in telescopic relation therewith and for sliding movement thereon, a plate secured to said shoe, a second guide rail formed of an angle iron mounted on the carriage in spaced parallel relation to the first named rail, a guide member engaged with a flange of the last named angle iron, a load-supporting fork affixed to said plate, a hydraulic cylinder pivotally mounted on one side of the carriage, a piston therein, a push rod connected thereto and pivotally connected to said plate and means for the control of fluid under pressure to said cylinder.

2,483,535

RECIPROCATORY DRIVE FOR MACHINE TOOLS

Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Application July 31, 1944, Serial No. 547,481
8 Claims. (Cl. 74—33)



1. A reciprocatory drive for a translatory machine unit slidable on an elongated bed having a longitudinal guideway, said drive comprising, in combination, two closely spaced parallel oppositely facing longitudinal gear racks mounted on said bed adjacent to and alongside said guideway, two vertical shafts journaled in said unit and having drive pinions secured thereto and meshing respectively with said racks, two transverse shafts journaled in and extending crosswise of said unit, worm and worm gear assemblies respectively connecting said transverse shafts to said vertical shafts, two reversible rotary hydraulic motors mounted on said unit and coupled respectively to said shafts, a reversible variable delivery pump mounted on said unit and connected in a closed circuit in parallel with said motors whereby to rotate said motors in the same direction, said worm and worm gear assemblies being operable by said motors to rotate said vertical shafts relatively in opposite directions, and control means movable in synchronism with said unit and operable automatically to reverse the delivery of said pump upon movement of said unit respectively in opposite directions into predetermined positions of reversal.

2,483,536

CRANKCASE OIL GAUGE WIPER

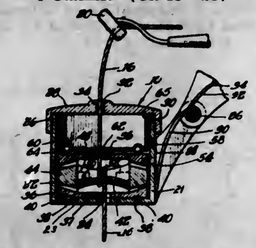
Elias U. Gamble and Wayne C. Gamble, Colton, Calif.

Application July 19, 1946, Serial No. 684,866
1 Claim. (Cl. 15—210)



An oil gauge rod wiper comprising a length of substantially resilient wire bent upon itself to form a loop intermediate the length of wire and constituting a supporting hook, a pair of parallel arms perpendicular to the plane of said loop and extending forwardly therefrom, a clamping strap engaging about said arms adjacent said loop, wiping elements slidable and rotatable on said arms, and outwardly divergent terminal ends on said arms restraining said elements from inadvertent sliding movement therefrom.

2,483,537
FISHING TACKLE DEVICE
George P. Girard, Chicago, Ill.
Application February 19, 1948, Serial No. 9,382
8 Claims. (Cl. 43—25)



2. A device for imparting movement to a fishing lure comprising a casing, means to mount said casing on a fishing rod or the like, a ring gear mounted in said casing, a drum member traversing said casing, a bevel gear mounted at each end of said drum member and each in operative engagement with said ring gear, one of said bevel gears being non-rotatable relative to said drum member, and means to retain said bevel gears in engagement with said ring gear, said drum member being rotatable about is axis and revolvable about an axis normal thereto, said drum member arranged to accommodate a fishing cord, and said drum member being rotatable as an incident to longitudinal movement of said cord whereby an orbital movement is imparted to the lure.

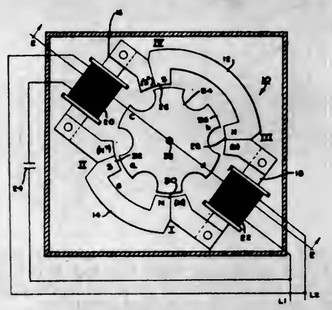
2,483,538
TRUCK TUBE REPAIR PLATE
Ben Goodman, Baltimore, Md., assignor to Greenmount Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application October 15, 1947, Serial No. 779,968
3 Claims. (Cl. 18—18)



1. As a new article of manufacture, a hot plate having a median longitudinal edge portion provided with an angular-type valve stem inserting and clearance notch, said notch being open at its outer end and said open outer end opening through the perimeter of said plate and being marginally recessed to provide a slide lid accommodating ledge, and an insertable and removable constantly accessible slide lid fitted into said notch and resting removably on said ledge, said lid being of a width and length corresponding to the width and length of said notch and being accessible for ready insertion and removal, being substantially square at one end to fit snugly into the correspondingly shaped crotch of the notch and having a valve stem adapting niche at its other end.

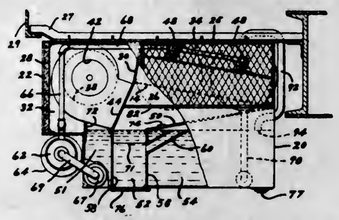
2,483,539
SYNCHRONOUS MOTOR
William L. Hansen, Princeton, Ind., and James M. Hush, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind., a corporation of Indiana
Application May 20, 1948, Serial No. 28,228
5 Claims. (Cl. 172—278)

1. In an electric motor; a field comprising alternate permanent magnets and electro-magnets arranged end to end to form a ring, field poles extending from the junction points of said magnets, a rotor having peripheral poles movable adjacent said field poles, said field and rotor poles being arranged so that different of said rotor poles successively align with different



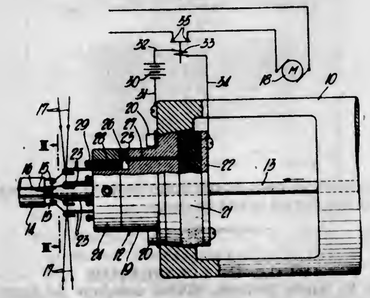
of said field poles as said rotor rotates in one direction, means including coils for exciting said electro-magnets with alternating magnetomotive forces, and means for obtaining a predetermined phase angle between the currents in the coils of said electro-magnets.

2,483,540
EVAPORATIVE CONDENSER ARRANGEMENT
Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 25, 1945, Serial No. 601,493
7 Claims. (Cl. 62—117)



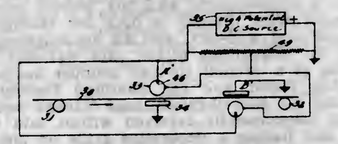
4. In an air conditioning system, an evaporator, a compressor, a condenser, refrigerant conducting means connecting said evaporator, condenser and compressor, means for controlling the flow of refrigerant from said condenser to said evaporator, a substantially rectangular-shaped casing including a top, a bottom and upright side walls enclosing said condenser, said casing having an air inlet opening in one of its upright walls and an air outlet opening in another of its upright walls disposed substantially at right angles to said one wall, means for circulating air into and out of said casing through said openings, the lower portion of said casing forming a sump containing a body of water, means for pumping water from said sump and for spraying the water downwardly over said condenser, said casing inlet and outlet openings being so arranged with respect to one another that air circulating through said casing flows upwardly over said condenser from said inlet opening to be washed by spray water leaving the condenser and is impinged against said casing top wall to remove excessive entrained moisture therefrom thence horizontally toward said outlet opening, and means for draining the spray water and water removed from the air after its passage over said condenser into the body of water in said sump.

2,483,541
STOP DEVICE FOR KNITTING MACHINES
John H. Hoag, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 30, 1948, Serial No. 24,321
6 Claims. (Cl. 66—163)



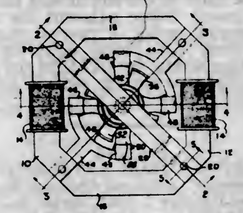
1. In a machine for knitting fabric covers on elongated cores, a combined thread guide and stop mechanism for halting the machine when a thread breaks comprising a stationary tubular sleeve through which the core passes just ahead of the knitting needles, a plurality of retractable guide fingers slidably mounted in said sleeve close to the knitting needles and over which the incoming threads pass, spring means urging said guide fingers to retracted position, the threads normally holding said guide fingers extended against the action of said spring means, and electric means actuated by retraction of any of said guide fingers for halting the machine.

2,483,542
STATIC ELIMINATOR FOR PRINTING PRESSES
William J. Hooper, Elsah, Ill., assignor to Goss Printing Press Company, a corporation of Illinois
Application October 24, 1945, Serial No. 624,191
3 Claims. (Cl. 175—264)



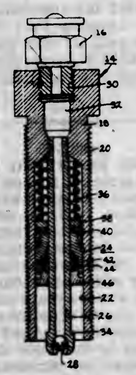
1. In a press of the character effecting printing on a moving web of sheet material, as paper, means for neutralizing static electric charges on the web, comprising: first electrode means adjacent the path of movement of the sheet material on one side thereof, this means comprising a hot filament extending across the width of said web; second electrode means having a first portion on the same side of said web as the filament and a second portion on the opposite side of the web; and means for creating a substantial potential differential between said electrode means, both portions of the second electrode means having the same polarity with respect to the filament but the second portion being at a higher potential differential than the first, said potential differential being such as to cause electrically charged gas particles to move toward said second portion of said second electrode and contact a surface of said sheet material during such movement to vary the charge therein.

2,483,543
SYNCHRONOUS ELECTRIC MOTOR
James M. Hush, Dayton, Ohio, assignor to Hansen Manufacturing Company, Princeton, Ind., a corporation of Indiana
Application May 14, 1948, Serial No. 27,037
15 Claims. (Cl. 172—278)



1. In an electric motor; a field comprising a stationary pole and a movable pole of substantially less circumferential length spaced therefrom, an armature having a magnetic part disposed to move between said poles, means for establishing a pulsating magnetomotive force between said poles, and means resiliently biasing said movable pole toward a predetermined position out of alignment with said stationary pole, said biasing means having a modulus such as to cause said movable pole to oscillate in unison with the pulsations of the said magnetomotive force.

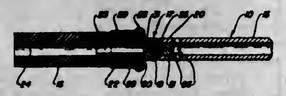
2,483,544
LUBRICATION FITTING
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application January 26, 1945, Serial No. 574,686
1 Claim. (Cl. 184—45)



In a bearing block, a lubrication fitting comprising an elongated cylindrical member of uni-

form external diameter substantially throughout having a longitudinal bore therein extending from one end of the member through a part of the length thereof, said member being detachably secured within said bearing block throughout its uniform external diameter, a hollow tube arranged along the axis of said bore and detachably supported by said member so as to define therewith an annular recess open at its outer end, an annular piston reciprocably mounted in said recess, yielding means for continuously urging said piston toward the outer open end of said recess, said member having a shoulder adjacent the inner end of said recess that forms a seat for said yielding means, said member having a second bore in the opposite end thereof communicating with the interior of said tube, a grease fitting in the open end of said second bore, a ball check valve in the end of said tube remote from said grease fitting adjacent the open end of said annular recess to prevent the flow of lubricant from said recess upwardly in said tube, and stop means on said tube for engaging said piston and stopping the same at a predetermined point of movement thereof.

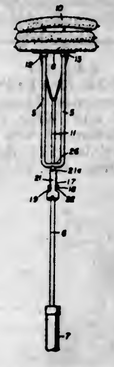
2,483,545
WELDING TORCH ATTACHMENT
Everett C. Johnson, Chicago, Ill.
Application October 7, 1947, Serial No. 778,507
10 Claims. (Cl. 158—27.4)



1. A welding torch attachment comprising a flexible tubular fitting adapted to be detachably attached to the tip of a welding torch, a burner tube having an air inlet port therein, and an intermediate and interconnecting member disposed between and interconnected to the said flexible tubular fitting and to the said burner tube, the said intermediate and interconnecting member having a centrally arranged gas-conducting passage formed therein and having means cooperating with the said burner tube for detachably mounting the said burner tube thereon, the said centrally arranged gas-conducting passage in the said intermediate and interconnecting member opening into the said burner tube adjacent the said air inlet port therein when the said burner tube is assembled in position of use upon the said intermediate and interconnecting member.

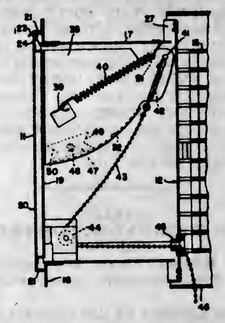
2,483,546
EJECTOR ROASTING FORK
Fred Kaminski, Bisbee, Ariz.
Application February 25, 1947, Serial No. 730,713
3 Claims. (Cl. 30—129)

1. The combination with a fork having a handle, a shank carried by the handle and prongs at the outer end of the shank having a connecting bar at their inner ends connecting the prongs to the shank; of an ejector plate slidably mounted on the prongs, a sleeve slidably mounted on the shank, a substantially Y-shaped rod having its upper ends secured to the plate and its lower end secured to the sleeve for simultaneous advancement of the plate by the sleeve, said lower portion of the rod extending rearwardly along the shank toward the handle, and a catch arm pivoted to the sleeve for gripping the connecting bar of the prongs for holding the ejector plate in a



protective position at the outer ends of the prongs when the device is not in use.

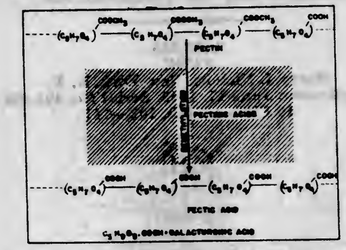
2,483,547
BUILT-IN VENTILATOR
John B. Koch, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application June 27, 1946, Serial No. 679,708
5 Claims. (Cl. 98—43)



1. In a ventilating unit for installation in a wall, a quadrilateral wall-box section open at opposite ends thereof, a door for closing one end of said wall-box, and an air-handling device for disposition within said wall-box consisting of a circular tubular member having an electric motor and fan mounted therein for moving air therethrough, said tubular member being telescopically received within said wall-box and having a decorative grille on one end thereof, and an actuating member for said door carried thereon and positioned between said wall box and said tubular member, said actuating member including a pull-chain for operating said member and disposed between said wall box and said tubular member and terminating exteriorly of the ventilating unit on one side of the wall in which it is installed, a cam member rotatably carried on said wall-box adjacent said actuating member, said actuating member having means thereon to engage and operate said cam member to move the same into position for engagement by said actuating member to hold said door in

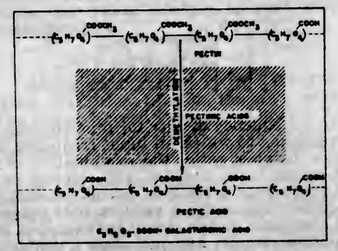
open position, said last-mentioned means being also adapted to engage said cam member to operate the same to release said actuating member upon a second operation thereof.

2,483,548
METHOD OF PRODUCING PECTOUS JELLIES
Herbert T. Leo and Clarence C. Taylor, Anaheim, Calif.
Application March 20, 1944, Serial No. 527,234
7 Claims. (Cl. 195—30)



1. The method of preparing a pectous jelly which comprises reacting an aqueous pectin material with pectase at a pH maintained between about 5.5 and 6.5 and at a temperature below 160° F. to produce a pectinylic acid, terminating said pectase reaction when a calcium jelly of the pectinylic acid so produced requires a pH less than 6.0 but not less than 2.4 to dissolve the same, recovering from the reaction mass after such termination a pectase-free pectinylic acid having a pH of set of not less than 2.30 at room temperature and containing not more than 2.8% ash and water soluble to the extent that one gram thereof is capable of being dissolved in 100 cc. of distilled water at 130° F., dissolving the resulting pectinylic acid in an aqueous solution containing at least 40% sugar, said dissolution being carried out at an elevated temperature in excess of the temperature of set of said pectinylic acid, regulating the pH of the resulting solution so as not to exceed 4.5 but so as to exceed the pH of set of said pectinylic acid at said elevated temperature and at the sugar concentration of said solution, and cooling said solution at least to the temperature of set of said pectinylic acid.

2,483,549
PREPARATION OF PECTOUS JELLIES
Herbert T. Leo and Clarence C. Taylor, Anaheim, Calif.
Application March 20, 1944, Serial No. 527,235
13 Claims. (Cl. 195—7)

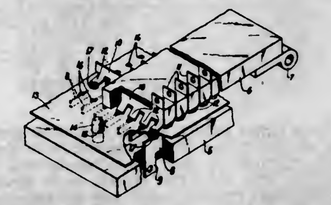


1. The method of preparing a pectous jelly which comprises reacting an aqueous pectin material with pectase at a pH maintained between about 5.5 and 6.5 and at a temperature below 160° F. to produce a calcium susceptible pectinylic acid, terminating said pectase reaction when a calcium jelly of the pectinylic acid so produced requires a pH of between 2.4 and 1.0 to dissolve the same, recovering from the reaction mass after such termination a pectase-free pectinylic acid containing not more than 2.8% ash and water soluble to the extent that 1 gram thereof is capable of being dissolved in 100 c. c. of water at 130° F., dissolving said resulting pectinylic acid in water containing an amount of calcium ions insufficient to form a precipitate with said pectinylic acid and introducing into the resulting solution an amount of calcium ions sufficient to effect gelation of said solution.

2,483,550
PROCESS OF MAKING HIGH SUGAR CONTENT JELLIES
Herbert T. Leo, Clarence C. Taylor, and John W. Lindsey, Anaheim, Calif.
No Drawing. Application November 20, 1946, Serial No. 711,196
4 Claims. (Cl. 99—132)

1. In the method of making jellies and the like from an aqueous dispersion of a calcium susceptible pectinylic acid and at least 65% sugar, the pectinylic acid having been prepared by the enzymatic action of pectase upon an aqueous pectin material at a pH maintained at above 5.3 and at a temperature below 160° F., the improvement whereby there is prevented any pre-setting of said dispersion prior to gel formation such as would otherwise occur due to the presence of calcium ions in such dispersion, comprising the step of incorporating into said aqueous dispersion an amount of sodium hexametaphosphate effective to prevent such premature thickening.

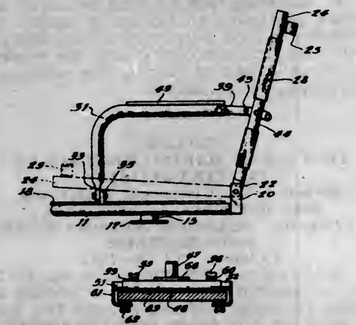
2,483,551
DATA TRANSFER MECHANISM FOR TABULATORS AND THE LIKE
Earl E. Libman, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 20, 1947, Serial No. 775,353
1 Claim. (Cl. 173—328)



A transfer unit for use in a statistical card machine, comprising opposed insulated mounts, a group of electrical transmission bars partially embedded in one of said mounts with edges thereof protruding therefrom, a second group of transmission bars embedded in the other mount and arranged in crossed relation to those of the first named group to define points of intersection between planes of bars of said groups, and the protruding edges of the bars of the second named group being serrated to form spaced tines, a setup device interposed between said groups of bars, and electrical contact members positioned selectively on said device and resting upon the pro-

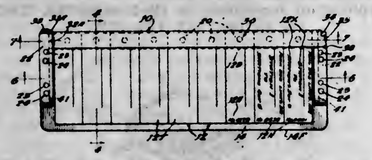
truding edges of the bars of said first named group for electrical contact therewith and engaged by the tines formed on said edges of the bars of the second named group.

2,483,552
SPORTSMAN'S SWIVEL SEAT
Wilbur C. Lincoln, Chicago, Ill.
Application January 4, 1946, Serial No. 638,957
4 Claims. (Cl. 155—131)



1. A sportsman's chair comprising a combination a clamping base having spaced apart extensible bars provided with hook ends for securement to a boat seat, cross bar means connecting said extensible bars and a swivel pin on said cross bar means, a seat frame comprising an U-shaped frame, cross bar means connecting the legs of said seat frame and a socket fixed on said last named cross bar means to receive said pin.

2,483,553
TICKET HOLDER
Manuel J. Mateo, Jr., Evanston, Ill., assignor to Poole Bros. Inc., Chicago, Ill., a corporation of Illinois
Application May 16, 1946, Serial No 670,071
9 Claims. (Cl. 206—40.6)



2. In a ticket holder, a flat mounting plate, a series of projecting pins disposed in uniformly spaced relation on said plate along one edge thereof so that blocks of tickets each having a mounting bore therethrough may be disposed on said plate with said pins extending through the respective bores in such blocks of tickets, and releasable means operable to hold such blocks of tickets in place on said pins and affording a rigid tearing edge to facilitate tearing of tickets from such blocks.

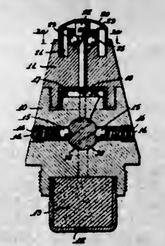
2,483,554
SANDING DEVICE
Albert George Nash, Gorham, Ontario, Canada
Application December 10, 1945, Serial No. 634,017
5 Claims. (Cl. 291—3)

1. A sanding device for motor vehicles comprising in combination, with the exhaust muffler and pipe, a sand discharge tube branched off said pipe, a valve controlling the flow of the exhaust alternatively through said pipe or said



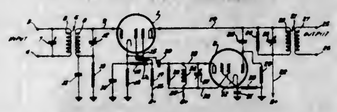
tube, a sand box surrounding said muffler and the juncture of said pipe and tube, and a sand-entering opening in said tube within said box.

2,483,555
FUSE
Harry J. Nichols, New York, N. Y.
Application June 17, 1943, Serial No. 491,199
10 Claims. (Cl. 102—74)



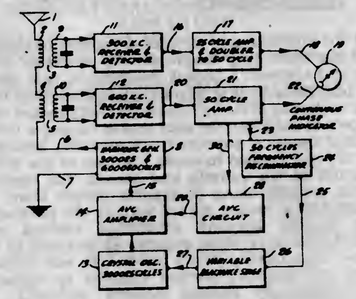
7. In a point detonating fuse of the class described, settable combination means for causing explosive action after a preselected time interval from impact of the fuse with a target comprising a centrifugally actuated cylindrical rotor carrying a pair of detonators mounted diametrically therein, centrifugally releasable safety means for normally maintaining said rotor in unarmed position, individual means for firing each detonator, and settable means operatively associated with said rotor for selecting one of said detonators for firing on impact of the fuse with a target, said individual means for firing each detonator including percussive means for firing one detonator, and igniting means for firing another detonator.

2,483,556
FREQUENCY DIVIDER CIRCUITS
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,990
7 Claims. (Cl. 250—36)



7. In a frequency divider for producing an output frequency to which an input frequency bears a whole number ratio, the combination of: an input circuit to be supplied with current of said input frequency; an output circuit for supplying said output frequency; a vacuum tube connected in an electronic switch circuit between said input and output circuits and including a control element for opening and closing said switch; a vacuum tube regulating stage; a synchronizing circuit connecting said regulating stage between said output circuit and said control element; and means tuning said synchronizing circuit to said output frequency.

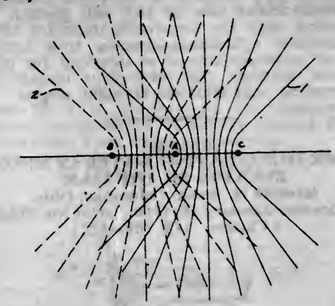
2,483,557
RADIO BEACON SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,996
4 Claims. (Cl. 343—105)



1. In a mobile receiving apparatus for use with a radio beacon system of the type generating an equi-phase displacement field pattern by means of radio frequency radiations at two harmonically related frequencies bearing a fixed multiple phase relation to each other, the combination of: a pair of fixed frequency radio receivers resonated respectively to said two related frequencies for receiving said radiations; means for applying to said receivers reference signals differing slightly in frequency from said two related frequencies, said signals being also harmonically related and having a fixed multiple phase relation; rectifying means for each of said receivers for producing harmonically related output potentials having frequencies equal to the difference in frequency between said radiations and the corresponding reference signals; frequency converting means for converting said potentials to equal frequencies; and a continuously operating phase indicator for measuring and indicating the phase relation between said equal frequencies.

2,483,558
AREA IDENTIFICATION SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,999
25 Claims. (Cl. 343—105)

1. The method of guiding the navigation of a mobile vehicle which consists in simultaneously radiating from three spaced points radio frequency signals of different but related frequencies having a fixed multiple phase relation to produce intersecting equi-phase field patterns defining a fine repetitive geographical coordinate system; and from time to time interchanging the

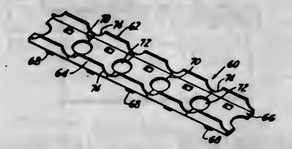


frequencies of the signals radiated from two of said points.

2,483,559
PROCESS OF PREPARING VANILLIC ACID
Irwin A. Pearl, Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application May 29, 1947, Serial No. 751,475
6 Claims. (Cl. 260—521)

1. The process of preparing vanillic acid which comprises subjecting a lignin substance at a temperature of at least about 50° C. to the oxidizing action of silver oxide in the presence of an aqueous solution of sodium hydroxide, acidifying the reaction mixture, extracting the acidified mixture with a water-immiscible vanillic acid solvent and recovering the vanillic acid from the extract.

2,483,560
BEARING AND SPACING GUIDE MEMBER FOR GLASS BLOCK CONSTRUCTION
John E. Peterson, Chicago, Ill., assignor to Glass Block Spacer Guide, Inc., Chicago, Ill.
Application May 29, 1947, Serial No. 751,190
4 Claims. (Cl. 72—107)



1. In a glass block panel construction, a channel-shaped bearing and spacing guide member adapted to be situated between adjacent courses of glass blocks, said member comprising upwardly extending flanges adapted to impinge against the bottom surface of an upper course of glass blocks and a web portion having longitudinally spaced cylindrical openings, oppositely disposed pairs of longitudinally spaced lugs intermediate said spaced cylindrical openings and extending downwardly from the marginal edges of said web portion in a direction opposite to said flanges and adapted to rest upon the upper surface of a lower course of glass blocks, said upwardly extending flanges having semi-cylindrical spaced cut out sectors oppositely disposed from each other and having the said cylindrical openings in the web portion therebetween, the

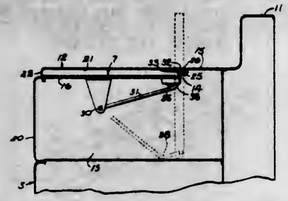
axes of each pair of said cut out sectors being in a plane perpendicular to the plane containing the longitudinal axis of the web portion and coinciding with the transverse diameter of the intermediate cylindrical opening thus forming lines of weakness spaced at intervals for dividing said member into convenient lengths and for bending said member at right angles.

2,483,561
DEVICE FOR AERATING WATER IN MINNOW BUCKETS OR THE LIKE
Herbert H. Rauh, Columbus, Ohio
Application January 10, 1946, Serial No. 640,335
2 Claims. (Cl. 261—122)



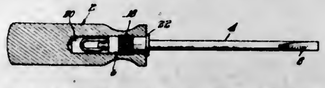
1. An attachment for aerating a minnow bucket to be carried by a motor vehicle or the like having an inflated spare tire comprising; a length of hose having coupling means at one end adapted to be attached to the valve stem of said tire to withdraw air therefrom and an air flow control and diffuser device at the other end adapted to be immersed in the bucket, said device comprising; a nipple, a screw threaded onto the end of the nipple, the threads being loose enough to permit passage of air and a washer adjustably compressed between the head of the screw and the end of the nipple, said washer being porous, whereby air may escape into the bucket in a finally dispersed condition.

2,483,562
GAS RANGE
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application August 22, 1945, Serial No. 611,945
1 Claim. (Cl. 126—214)



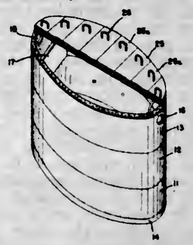
In a range having a body with laterally disposed compartments and a flat top with an upstanding backguard at its rear edge, said top including a cooking top section and a working top section arranged in side by side relation, a top plate providing a working surface disposed in the forward portion of said working top section with its rear edge spaced a substantial distance forwardly of said backguard, means forming a storage shelf between the backguard and said working surface disposed in a plane offset upwardly with respect to the plane of the working surface and the cooking top section, movable covers for covering said cooking top section and said working surface adapted when closed to lie flush with said storage shelf, said working top section having an opening between said storage shelf and said working surface for receiving the working surface cover, the space between said working top section and the top of the underlying compartment being dimensioned to accommodate a substantial portion of said working surface cover below the plane of the working top section.

2,483,563
DETACHABLE BIT SCREW DRIVER CONSTRUCTION
George L. Rock, Jonesville, Mich., assignor to Vaco Products Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 785,471
5 Claims. (Cl. 279—104)



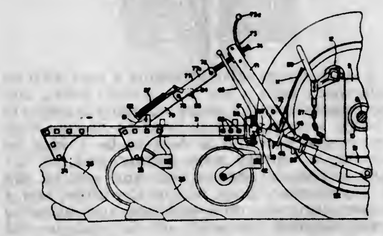
3. In a detachable bit tool, a handle having an opening extending longitudinally inwardly from one end thereof, a socket mounted in said opening and fixed to said handle, means integral with said socket to prevent rotation of said socket with respect to said handle, said socket having a longitudinal opening therein to receive the shank of the bit and shaped to cause rotation of the bit on rotation of the handle and socket, the opening in the handle being of greater length than the socket and a looped spring wire in the portion of said handle opening extending beyond said socket, said wire being secured at one end to the socket and having at its other free end a camming and latching portion adapted to engage a correspondingly shaped portion adjacent the inner end of the bit resiliently to latch the bit to the socket.

2,483,564
SEPTIC TANK
Philip N. Sitton, Dayton, Ohio
Application May 26, 1948, Serial No. 29,261
1 Claim. (Cl. 210—6)



A septic tank consisting of, a bottom wall, vertically arranged side wall means forming a hollow body providing an unobstructed elliptical chamber of the same size from top to bottom thereof having an internal length substantially twice that of the internal width thereof with the maximum width of the chamber being midway between opposite ends of the chamber, an inlet and an outlet in said side wall means adjacent the upper edge thereof and positioned in the end extremities of the said chamber, said chamber having the inner wall thereof forming an ellipse at all transverse cross-sections of the chamber from top to bottom thereof against which said inner wall fluids move in a continuously expanding flow across said chamber from said inlet end thereof to the median portion of said chamber and in a continuously contracting flow from the said median portion of said chamber to said outlet end thereof, said inner wall at both sides of the chamber having a continuous arc of curvature that continuously decreases from each end of the chamber toward the center portion thereof with the center portions of the inner walls forming the minimum arcuate portions and the end portions forming the maximum arcuate portions, and baffle means extending across said elliptical chamber into engagement with said arcuate walls thereof at each end of the chamber adjacent the inlet and outlet and extending from a position above the respective levels of said inlet and outlet openings to a position below the respective levels of said inlet and outlet openings.

2,483,565
AGRICULTURAL IMPLEMENT HITCH STRUCTURE
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 6, 1944, Serial No. 562,166
19 Claims. (Cl. 97—47)



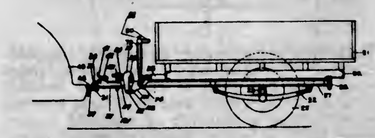
1. For use with a tractor having a vertically swingable bail and means mounted on and normally permanently connected with the tractor for swinging said bail, the improvement which comprises an agricultural machine including a socket member having a forwardly facing opening adapted to receive the rear portion of said vertically swingable bail, and detachable connecting means carried by said socket member for connecting said socket member rigidly with said bail whereby vertical swinging of the latter acts to raise and lower said socket member.

12. For use with a tractor having a vertically swingable bail, the improvement comprising an implement unit detachably associated with said bail and including a plow frame, furrow opener means carried thereby, a member detachably connecting said plow frame to said bail and to which said plow frame is pivoted, an arm on said member, and a pair of toggle links connected between said arm and said plow frame and arranged to restrain pivotal action between the plow frame and attaching member under normal loads.

2,483,566
CATALYTIC ACYLATION OF AROMATIC COMPOUNDS
Ralph B. Thompson, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 30, 1945, Serial No. 591,224
19 Claims. (Cl. 260—592)

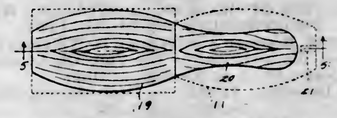
1. A process for producing an aromatic ketonic compound which comprises reacting an acylating agent and an acylatable aromatic compound selected from the group consisting of aromatic hydrocarbons, phenols, aryl halides, aryl ethers and anilides, in the presence of a non-carboxylic alkane sulfonic acid.

2,483,567
TRAILER HITCH
Ethan W. Vars, Duncannon, Pa., assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa., a partnership
Application February 19, 1946, Serial No. 648,591
23 Claims. (Cl. 280—33.4)
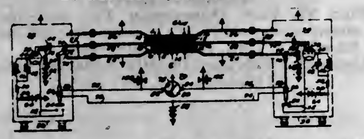


9. A tractor hitch for a two wheeled trailer drawn by an automobile having a rear bumper, including in combination a drawbar fastened to the rear bumper and extending approximately entirely across the rear end of the automobile; a ball fastened to the drawbar on a vertical post so as to be in line with the longitudinal center line of the automobile; a thrust plate on either end of the drawbar; a tongue coupled at its front end by a socket to the ball for limited universal motion and coupled at its other end by a pivot to the rear end of a trailer for horizontal motion; a track on the front end of the trailer adjacent which the tongue swings in its horizontal movement said track having locking notches therein in a position approximately in line with the longitudinal center line of the trailer; an adjustable triangular brace means fastened by its apex to the portion of the tongue between the socket end thereof and where it adjoins the track which adjustable means in one position braces the side legs of said triangular brace against the thrust plates to hold the tongue in line with the longitudinal center line of the automobile, and which adjustable means in another position locks the tongue to the track by means of the notches so the tongue is held locked in line with the longitudinal center line of the trailer, said tongue when locked with the center line of either the automobile or trailer being free to move with respect to the other; and frictional brake means clamping the tongue to the track so that any horizontal movement of the tongue relative to the trailer is resisted.

2,483,568
METHOD OF SALVAGING BOWLING PINS
Philip M. Waite, Corry, Pa.
Application April 2, 1948, Serial No. 18,689
2 Claims. (Cl. 144—309)



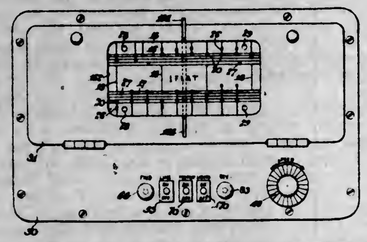
1. The method of making a composite bowling pin from a battered pin and a new block of wood which includes forming a dowel from the neck portion of the battered pin, fixedly securing the dowel into an end of the new block of wood, shaping the body or belly of the composite pin from the new block of wood, and shaping the neck or head of the pin from the body of the battered pin.

2,483,569
HIGH-FREQUENCY DIELECTRIC HEATING
Robert M. Baker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1944, Serial No. 556,140
10 Claims. (Cl. 219—47)



2. High-frequency heating equipment comprising relatively insulated spaced heating-electrodes providing a spacial field of energy for heating dielectric material within said field, said heating electrodes having a plurality of separate spaced places to each of which high-frequency power can be established, and power applying means for causing such power to be sequentially established at said places in a predetermined sequence, the frequency of said power and the distance between said places being such as to provide different curved voltage wave patterns on said heating-electrodes, during a heating operation, with magnitudes of said standing wave-patterns such that the average of their squares is approximately uniform.

2,483,570
MUSIC TIMING APPARATUS
Raymond D. Bergey, Collingdale, Pa.
Application April 24, 1945, Serial No. 590,013
7 Claims. (Cl. 84—484)

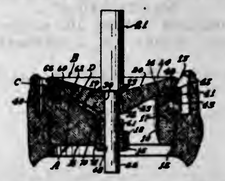


1. In a device of the character described, the combination with a light, of an opaque material strip having musical staffs and notes thereon and movable past the light, said strip having an aperture at each note to indicate the playing of such note when the light becomes visible through the aperture.

2,483,571
REACTION OF ORGANIC SUBSTANCES WITH PHOSPHOROUS SESQUISULFIDE
Elmer W. Brennan and Norman D. Williams, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application December 20, 1945, Serial No. 636,286
6 Claims. (Cl. 260—399)

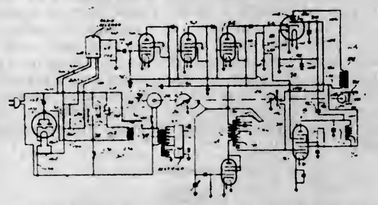
1. The method of reacting phosphorus sesquisulfide with an organic material reactable therewith selected from the group consisting of unsaturated esters of fatty acids, salts of unsaturated fatty acids, olefinic hydrocarbons, unsaturated fatty acids, and alcohols, the members of said group each containing at least about 8 carbon atoms, comprising, heating a mixture of said material and phosphorus sesquisulfide to reaction temperature in the range from 215° to 300° F., at which temperature the phosphorus sesquisulfide and the functional group in the organic material combine, and aerating the heated mixture with gas containing free oxygen at a rate which induces an exothermic reaction and maintains the mixture at reaction temperature within the approximate range from about 240° to 300° F. without the application of heat from an external source.

2,483,572
VALVE
Earl E. Cater, Los Angeles, Calif.
Application November 6, 1944, Serial No. 562,136
4 Claims. (Cl. 251—127)



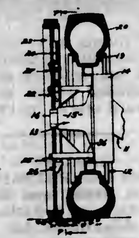
1. A slush pump valve including a seat with an annular body with a top face, a stem guide, and a web supporting the guide spaced centrally in the body, a valve with a head to engage over the face and web and a stem to be guided by the guide, a unitary wear taking member including a ring to engage over and rest on the face, a stationary liner fitting the guide and a web connecting the liner and ring and engaging the web opening upwardly of the seat to rest thereon, and a sealing ring arranged in an annular channel in the face of the seat and retained in the channel by the ring of the wear taking member.

2,483,573
APPARATUS FOR DETERMINING THE LISTENING HABITS OF WAVE SIGNAL RECEIVER USERS
Robert A. Clark, Jr., Chicago, Ill., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application November 22, 1943, Serial No. 511,246
6 Claims. (Cl. 346—37)



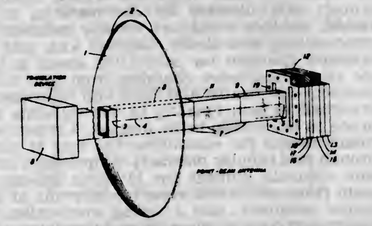
1. Apparatus for recording the radio stations to which a radio receiver is selectively tuned, comprising an amplifier excited by a signal voltage derived from said receiver having a fundamental frequency indicative of the station to which the receiver is tuned and operative to deliver an output voltage having the same fundamental frequency and harmonics of said fundamental frequency, a recorder including means controlled by the output voltage of said amplifier and responsive to changes in the fundamental frequency thereof for producing record indications of the stations to which said receiver is tuned, and means responsive to the output of said amplifier when harmonics of said fundamental frequency are present in said output for disabling means is prevented from spuriously responding to a harmonic of said fundamental frequency to produce a false record indication.

2,483,574
AUXILIARY WHEEL FOR MOTOR VEHICLES OR THE LIKE
Edward Craig, Brea, Calif.
Application January 19, 1946, Serial No. 642,271
9 Claims. (Cl. 301—38)



9. An auxiliary wheel for use on a hub assembly which normally carries a vehicle wheel including, a hub section with parallel edges, means for attaching said section to the hub assembly including a plurality of spaced fastening devices carried by the hub section, a wheel section having a single opening providing access to said devices, means remote from the fastening devices shiftably connecting the sections together and for relative movement between a position where the wheel section is eccentric of the hub section and a position where the two sections are concentric, said last mentioned means including parallel parts on the wheel section slidably coupled with said edge portions of the hub section, and means releasably holding the sections in the last named position, each of said fastening devices including a guide carried by the hub section between the hub section and the vehicle wheel and a bolt carried by the guide for threaded engagement with the wheel.

2,483,575
DIRECTIONAL MICROWAVE ANTENNA
Cassius C. Cutler, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 26, 1944, Serial No. 546,687
7 Claims. (Cl. 250—33.63)



5. In an antenna system, a concave reflector having a focus, a rectangular wave guide connected to a translation device, said guide extending through said reflector and having an end opening near said focus, a wave guide chamber or cavity comprising a first metallic wall for receiving the end of said guide and a second metallic wall facing said opening, said first wall being included between said reflector and said opening and having a rectangular aperture facing said reflector, the long transverse dimensions of said guide and aperture being parallel and the long transverse dimension of said aperture being greater than 1.25 wave lengths and greater than the long transverse dimension of said guide.

2,483,576
MALEIC ACID LIQUOR PURIFICATION AND ISOMERIZATION TO FUMARIC ACID
Géza E. Neuman de Végvár, New York, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 1, 1947, Serial No. 783,625
7 Claims. (Cl. 260—537)

1. In a process of converting an aqueous solution of maleic acid to fumaric acid, in which the maleic acid is obtained by catalytically oxidizing organic compounds, by treatment of the solution with an inversion agent of the general formula



wherein R, R' and R'' represent radicals of the group consisting of hydrogen, hydrocarbon, and acyl of the type R''' CO, in which R''' is a hydrocarbon radical, the sum of the carbon atoms in radicals R, R' and R'' not exceeding 8, said maleic acid containing impurities which tend to inactivate the inversion agent, the improvement which comprises pretreating said solution by subjecting it to the action of urea for a sufficient length of time to inactivate said impurities.

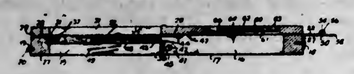
2,483,577
CIRCUIT INTERRUPTER
Harold H. Fahnoe, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1943, Serial No. 511,562
29 Claims. (Cl. 200—120)



1. In a fuse, a fuse tube of insulating material, terminal caps secured to the ends of said tube for closing the ends of said tube, current-limiting structure in said tube adjacent one end thereof, said current-limiting structure including at least

one fuse wire extending generally longitudinally of said tube and annular resistance means concentric with said fuse wire and insulated therefrom, said fuse wire and resistance means electrically connected in parallel at least when said wire melts, series fusible means for interrupting the circuit, said series fusible means occupying the remaining space in said tube and serially connected with said current-limiting structure between said terminal caps, said series fusible means including a fusible element and an arc passage in which the arc formed upon fusion of said fusible element is established, said arc passage having wall portions of a material which when in proximity to an electric arc is capable of evolving an arc-extinguishing gas a substantial portion of which is condensable, and condensing means in said tube at one end of said arc passage.

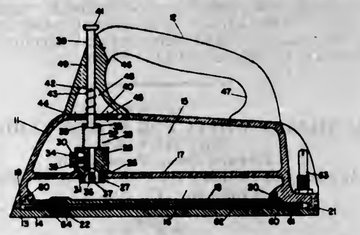
2,483,578
CAMERA CUT FILM MAGAZINE
Albert F. Gallistel, Jr., Madison, Wis.
Application February 7, 1947, Serial No. 727,075
6 Claims. (Cl. 95—23)



1. For a camera adapted to use a pack of individual films, the combination in a film holder having one compartment to receive unexposed films and a second compartment into which may be shifted exposed films, of top and bottom frame members along said one compartment, against which frame members the forward film of a pack may rest; means yieldingly urging said pack toward said members; a dark slide reciprocatably mounted to travel across the forward sides of said frame members to cover said one compartment and to travel therefrom across said second compartment; means on said slide to engage said forward film by its end edge portion farthest removed from said second compartment when said slide has been shifted to a predetermined full limit of travel covering said one compartment; and shiftable stop means carried by said slide to be shiftable to one position to permit said slide limit of travel and to be shiftable to another position to abut said holder to limit travel of the slide to cover said one compartment but less than said full limit to withhold said film edge engaging means from reaching said film edge, whereby, following the first position of said stop means, a film may be pulled along with slide travel by said engaging means to said second compartment, but in the second position of the stop means no film may be transferred regardless of slide reciprocation.

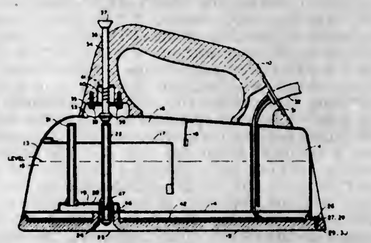
2,483,579
STEAM IRON
William G. Green, Tulsa, Okla.
Application October 28, 1944, Serial No. 560,886
4 Claims. (Cl. 38—77)

1. A steam iron comprising a hollow body structure having a soleplate, a handle fixedly secured to said body structure and provided with an internal cavity at one end thereof, means dividing the space within said body structure into a steam generating chamber and a liquid storage chamber arranged one above the other in the order named, intercommunicating means between said chambers, means for heating said soleplate and liquid in said steam generating chamber, a pump disposed within said liquid storage chamber connected to said inter-communicating means for delivering measured quantities of liquid from said storage chamber to said steam generating chamber, said pump including an elongated actuating element movable between two positions



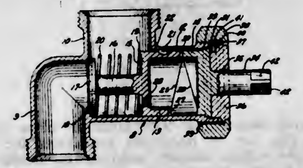
to actuate said pump, said element extending downward into said liquid chamber through said cavity and said one end of said handle, and spring means disposed within said cavity to bias said element toward one of its two settings.

2,483,580
STEAMING AND PRESSING IRON
William G. Green, Jenks, and Herbert E. Galloway, Tulsa, Okla.; said Galloway assignor to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Oklahoma
Application June 14, 1945, Serial No. 599,416
6 Claims. (Cl. 38—77)



4. A steam iron comprising a sole plate having means defining an opening for discharging steam onto material to be pressed, heating means for heating said sole plate, a body member comprising a liquid storage and steam chamber disposed in heat transfer relationship with said sole plate, a superheater chamber in close proximity to said heating means and connected to said opening for discharging superheated dry steam through said opening to the material to be pressed, an elongated tubular connecting member for connecting said steam chamber with said opening to permit wet steam to pass from the steam chamber through said opening to the material to be pressed, another elongated tubular member interconnecting said steam chamber with said superheater chamber for permitting steam to pass into said superheater chamber from said steam chamber to be heated and dried and subsequently forwarded to said opening in the soleplate and thence to the article being pressed, a steam controlling means for controlling the flow of steam through said tubular members comprising a manually actuable plunger for blocking passage of steam from said steam chamber into one of said tubular members, and a spring mechanism for biasing said plunger away from its blocking position, said manually actuable plunger being controllable by an operator to close the passageway through said one tubular member and thus block the passage of steam directly through said passageway onto the material to be pressed and forcing the steam to pass through the other tubular member into the superheater chamber and thence to the material to be pressed.

2,483,581
VALVE
Ferdinand Hinrichs, Kenosha, Wis., assignor to Tri-Clover Machine Co., Kenosha, Wis., a corporation of Wisconsin
Application June 18, 1945, Serial No. 600,142
2 Claims. (Cl. 251—132)



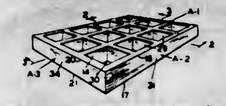
1. In a valve having a casing provided with a valve seat and having a tubular extension disposed opposite to said valve seat, a valve cooperable with said seat and having a stem connected thereto and projecting toward the casing extension, a member slidable in said casing extension and connected to the outer end of the valve stem and having a cylindrical side wall whose outside diameter is substantially equal to the inside diameter of the tubular extension, a spring surrounding the valve and valve stem and having one end engaging the casing around the valve seat and having its other end engaging the slidable member, said slidable member having the cylindrical surface of said side wall adjacent the inner wall of the tubular extension and having the outer end of said side wall formed with a circular cam surface, an adjustment member having an outside diameter substantially equal to the inside diameter of the tubular extension rotatably mounted in said casing extension and having means engageable with the cam surface of said slidable member for causing slidable movement of the latter in a valve closing direction in response to rotation of the adjustment member, said adjustment member having an enlarged head and said tubular extension of the casing being formed with an annular seat which is engaged by said head to prevent inward axial movement, and means including a union nut threaded on said casing extension for removably holding the adjustment member in position with the head thereof in engagement with the annular seat of the tubular extension.

2,483,582
TOBACCO SLED
Charles S. Hill, Hubert, N. C.
Application October 24, 1947, Serial No. 781,950
2 Claims. (Cl. 214—5.5)



1. An improvement in a tobacco sled comprising a framework having a pair of sled runners on the lower surface thereof and having a pair of rollers disposed longitudinally along the opposite side edges thereof and a flexible sheet member having its ends attached to the rollers and projecting down into the framework, said framework having bearings at each end of the rollers for rotatably supporting the rollers, said framework having a bottom portion therein against which the canvas may be lowered, said improvement comprising each of the rollers having a transverse hole therethrough through which a crank may be inserted for imparting rotation to the rollers, the bearings at one end of the framework having vertically disposed holes and each of the rollers having a transverse bore therethrough coinciding with the holes in the bearings so that a pin may be inserted through the holes in the bearings and the hole in the roller for holding it against rotation.

2,483,583
MULTIPLE COMPARTMENT BOX
Wilbur W. Holes, St. Cloud, Minn.
Application December 23, 1946, Serial No. 718,083
12 Claims. (Cl. 229—28)

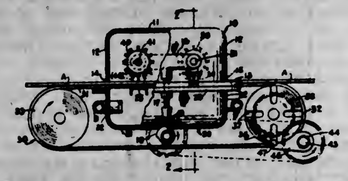


6. A multiple compartment box having in combination a transversely corrugated filler sheet and an interlocking cooperating main sheet, said main sheet comprising a fenestrated top central section, end flaps, and side flaps, said top section being cut to form conpartment windows and longitudinal wings, said wings being bent downwardly to form compartment sides, said side flaps being folded along the longitudinal sides of the top section to form box sides and being folded at the lower extremities of said sides to form box bottom segments, the free ends of said side flaps being folded back upon themselves to form supporting members, the end flaps being folded to form box ends and at the lower extremities of said box ends being folded to form interlocking box bottom segments disposed in spaced relation to said top section and underlying said first mentioned box bottom segments, said transversely corrugated filler sheets being interposed between said top section and said bottom segments of the main sheet, the lower webs of the said corrugations forming compartment bottoms and the upstanding webs of said corrugations forming compartment end walls, said bottom webs being longitudinally slotted to receive said downwardly disposed wings, and means for interlocking the second mentioned bottom segments.

2,483,584
SYSTEM OF FINISHING PLASTIC SHEETS
I. Lawrence Lesavoy, Allentown, Pa.
Application August 30, 1945, Serial No. 613,655
1 Claim. (Cl. 41—1)

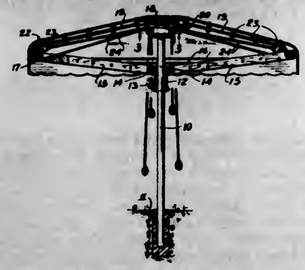
In apparatus for treating the surface of plastic sheets, in combination, an endless conveyor, including a rotative drive member for carrying the plastic sheet, a plurality of brushes at spaced points across the width of the conveyor, a slotted disc and a gear secured for rotation with the said conveyor driven member, a power shaft, a crank arm on the said shaft having a distal pin engageable in the slots of the said disc, a gear on the said shaft meshable with the said conveyor gear, the said crank arm and gear being mounted on the said power shaft for limited axial movement selectively to a position with the said two gears meshing and the said crank arm out of

engagement with the slotted disc or to a position with the said crank arm in engagement



with the slotted disc and the said two gears out of mesh.

2,483,585
COMBINED CLOTHES DRIER AND CANOPY
Harry M. Lewis, Los Angeles, Calif.
Application June 18, 1945, Serial No. 600,085
1 Claim. (Cl. 211—178)



In a combined clothes drier and canopy, a post, a collar secured to the upper end of the post, a sleeve arranged for sliding movement on the post below said collar, means for clamping said sleeve to said post in differently adjusted positions, radial arms pivoted at their inner ends to said sleeve the outer end of each arm being provided with a vertical slot, pulleys journalled in the slots in said arms, radial rods having their inner ends pivotally connected to said collar with their outer ends pivoted to the outer ends of said arms which rods are in the same vertical plane with said arms, a plurality of rings forming a set arranged for sliding movement on each rod, a frame on said collar, pulleys mounted for rotation on said frame, cords passing over said last mentioned pulleys and around the pulleys in the outer ends of said arms, said cords being connected to the outer ring of each set and a canopy covering said rods and arms and connected to said rings.

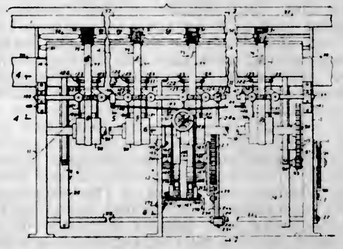
2,483,586
CLOSURE FOR JARS
Gregory H. Limpert, Vineland, N. J.
Application October 22, 1947, Serial No. 781,284
1 Claim. (Cl. 215—43)

A supplemental closure for fruit jars comprising a circular band portion adapted for screw-engagement with the top of a standard jar, said screw-band having an inturned flange around its upper end; a top for the cap adapted to rest in flat engagement with the upper side of said inturned band, said cap being divided into two sections hinged together, one of said sections being rigidly secured to the top of the inturned band section, and the other section hinged thereto forming a lid for opening and closing the jar, the free outer edge of said lid portion and the inner edge of said inturned flange portion having semicircular cutaway portions adapted to register with each other when the lid is in its closed position, whereby to form a two-part opening adapted to snugly receive the stem of a spoon, the lid of the closure at one side of said composite spoon opening having a narrow lug projecting outwardly slightly beyond the outer periphery of the jar top, this projecting lug having a string of soft fibrous material permanently secured



thereto and depending therefrom in close proximity to the jar in constant readiness for immediate use when needed, said string being designed to be firmly and evenly wrapped around the stem of the spoon in immediate contact with the upper surface of the lid at the point of the emergence of the stem of the spoon from the spoon-opening in the lid.

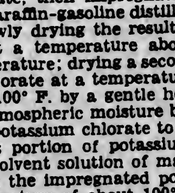
2,483,587
APPARATUS FOR CUTTING VENETIAN BLIND TAPES
George S. Mack, Anderson, S. C.
Application May 28, 1948, Serial No. 29,825
12 Claims. (Cl. 139—291)



1. In combination with a loom having mechanism for weaving a plurality of ladder tapes, said loom having a rock shaft and having means for taking up on the tapes as they are woven, said tapes having cross-over threads thereon, means for severing the cross-over threads of said tapes, means for moving the means for severing the cross-over threads into a severing position in advance of movement of the cross-over threads with the tapes, means for connecting the means for moving the means for severing the cross-over threads of said tapes to the rock shaft and whereby the means for moving the means for severing the cross-over threads of said tapes are actuated by oscillation of the rock shaft to cause the means for severing the cross-over threads to act on the same in a direction opposite to the direction of travel of the tapes.

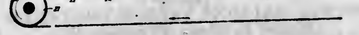
2,483,588
AIR CLEANER
Marion Mallory, Detroit, Mich.
Application January 12, 1946, Serial No. 640,755
3 Claims. (Cl. 261—119)

1. In an air cleaner inverted large and small cups positioned one within the other so that the side wall of the small cup is maintained at a fixed spaced distance from the wall of the large cup, an outlet through the bottoms of the small and large cups and communicating with a passage of an outlet fitting, and an oil bath reservoir comprising a third cup substantially longer than the inverted cups having a side wall extending within the space between the walls of the two inverted cups, the rim of said third cup being slitted around its periphery, some of the slitted portions being bent away from the plane of the side wall



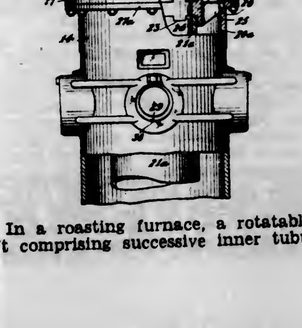
of the third cup to form fingers which extend laterally of the side wall thereof and contact the wall of one of said inverted cups at a plurality of peripherally spaced points and thereby maintain said third cup in spaced relation between the walls of said other two cups, the unbent portions of said rim between said slits contacting the bottom of said large inverted cup and the said bent portions serving as fluid passages between the space defined by the walls of the outer and third cups and the space defined by the walls of said third and inner cups.

2,483,589
METHOD OF PRODUCING EXPLOSIVE COMPOSITIONS
Sidney J. McClung, Winston-Salem, N. C.
Application February 23, 1946, Serial No. 649,724
1 Claim. (Cl. 52—21)



A method of making an explosive composition comprising mixing paraffin and gasoline in equal proportions, distilling this mixture under conditions to effect a liquid distillate consisting of a solution of paraffin and gasoline, drying a portion of potassium chlorate at a temperature from between about 70°–100° F. by a gentle heating thereof to drive off atmospheric moisture but insufficient to cause the potassium chlorate to expand, mixing pulverised charcoal with the dried potassium chlorate, then impregnating this mixture with said paraffin-gasoline distillate at about 100° F., and slowly drying the resulting impregnated material at a temperature about 10° F. above room temperature; drying a second portion of potassium chlorate at a temperature between from about 70°–100° F. by a gentle heating thereof to drive off atmospheric moisture but insufficient to cause the potassium chlorate to expand, impregnating this portion of potassium chlorate with a volatile solvent solution of manila copal resin, and drying the impregnated potassium chlorate at a temperature of about 100° F. to produce a dry powder; then mixing the dried resin-impregnated potassium chlorate with the distillate impregnated potassium chlorate and charcoal mixture, adding a plasticized nitrocellulose binder to unite the mixtures and slowly drying the bonded mixture until the mass is about the cohsistency of baker's dough, sheeting the mass and cutting into small pieces or grains and drying the same.

2,483,590
BENCH TYPE HONING MACHINE
Wallace F. Mitchell, Chicago, Ill., assignor to Ammco Tools, Inc., a corporation of Illinois
Application December 5, 1945, Serial No. 632,908
12 Claims. (Cl. 51—72)



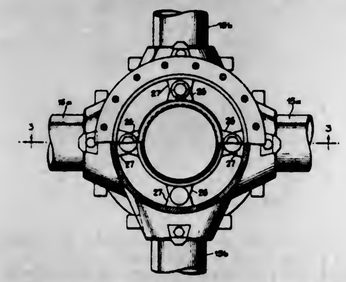
1. In a honing machine adapted for supporting and operating an expansible hone, the combination with a rotatable hone drive spindle, of a drive member normally mounted for free rotation thereon, an automatically engageable clutch for drivingly connecting said member with said spindle, a reciprocatory feed rod for expanding the hone, means including a feed adjusting member for moving said feed rod to expand the hone, and an operator controlled means operatively connected to said clutch and said feed rod moving means and adapted in its inoperative position to hold said clutch disengaged.

2,483,591
PIPE JOINT
Charles W. Nichols, West Orange, N. J., assignor, by mesne assignments, to Charles W. Nichols, Jr., New York, N. Y.
Application March 2, 1946, Serial No. 651,537
6 Claims. (Cl. 285—22)

1. In a roasting furnace, a rotatable hollow shaft comprising successive inner tubular sec-

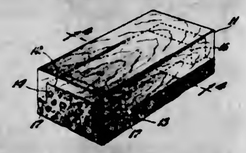
tions, successive outer tubular sections, and rings for supporting said inner tubular sections in non-rotatable and coaxial relationship to each other and to said outer tubular sections, each ring comprising a member for embracing adjacent ends of two inner tubular sections and being formed with portions for keying engagement with said outer tubular sections.

2,483,592
FURNACE SHAFT CONSTRUCTION
Charles W. Nichols, West Orange, and Joshua Greenspan, Nutley, N. J., assignors to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application January 6, 1948, Serial No. 772
8 Claims. (Cl. 262—25)



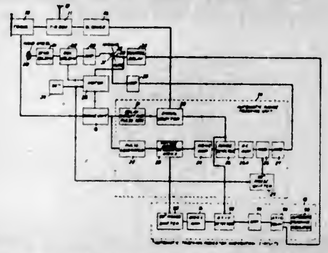
7. A combination of parts for use in a furnace of a type having rabble arms carried by a central shaft, comprising an inner shaft formed of tubular sections, a plurality of outwardly extending lugs secured to said sections near each extremity thereof, an outer surrounding shaft also formed of tubular sections having their inner wall surfaces spaced from said inner shaft sections, a like plurality of inwardly extending lugs secured to the inner wall surfaces of said outer surrounding tubular sections, a like plurality of clamp members for clamping in alignment corresponding lugs upon said inner and outer tubular sections, means for securing together adjacent ends of said outer tubular sections, each of said inner tubular sections having a frangible portion formed circumferentially and intermediate the extremities thereof, and an expansible sealing ring mounted internally of each inner tubular section in alignment with each frangible portion.

2,483,593
SPONGE BRUSH
Barry Novick, Newark, N. J.
Application December 11, 1947, Serial No. 791,046
4 Claims. (Cl. 15—122)



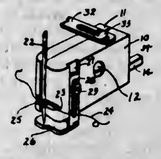
3. A sponge brush comprising a channeled handle, a sponge attached to the handle, a soap receiving cavity defined by the handle and the sponge, and wings on the sponge extending into and closing the channeled portion of the handle.

2,483,594
PULSE OPERATED SYSTEM
Bernard M. Oliver, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application February 24, 1944, Serial No. 523,721. Divided and this application March 19, 1945, Serial No. 583,471
2 Claims. (Cl. 318—440)



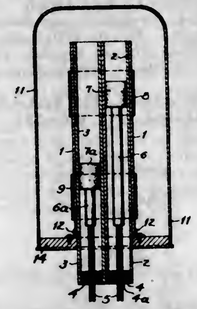
1. In combination, an alternating-current electric motor, separate first and second means for applying alternating-current energy of the same frequency to said motor to cause variations in the output thereof, the first of said energy-applying means including a manually-controlled servosystem mechanically connected to the motor, circuit control means, means for applying to said circuit control means a series of time spaced pulses, each of said pulses having a duration shorter than that of a half cycle of a sinusoidal wave of the frequency of the alternating current applied to said motor, means including a relay for normally connecting said motor to said second energy applying means during the time said pulses are being applied to said circuit control means, and means, including said relay, responsive to the failure of said pulses for disconnecting said second energy applying means from said motor and connecting the first of said energy applying means thereto.

2,483,595
SEWING MACHINE NEEDLE THREADER
Charles U. Olson, Evanston, Ill.
Application June 9, 1944, Serial No. 539,445
5 Claims. (Cl. 112—225)



1. A needle threading device comprising a pair of plates secured mutually in face-to-face relation with their edges in registry to provide a rectangular housing, a passageway arranged longitudinally of the inner face of one of said plates, a threading pin movable lengthwise of said passageway toward and away from a position wherein an end portion thereof projects outwardly from said passageway, inwardly converging surfaces formed in a pair of meeting edges of said plates to provide a seat with which the sides of a needle to be threaded are engageable, means mounted for adjustment lengthwise of said inwardly converging surfaces presenting an abutment with which the point of the needle is engageable to maintain said passageway in a position in alignment with the eye of said needle when the sides of the needle are seated against said inwardly converging surfaces; means acting on said threading pin to bias the same into a position wherein said end portion is inwardly retracted relative to said passageway means operable to move said threading pin from a position wherein said end portion is inwardly retracted relative to said passageway to a position wherein its end projects through said eye of the needle, and a pocket intersecting the junction of said converging surfaces and extending inwardly therefrom to support a strand of thread between the needle and the housing in a position obstructing the path of movement of said threading pin during movement of the pin toward a position wherein its end projects through said eye of the needle.

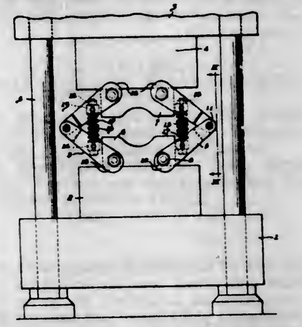
2,483,596
PERMEABILITY TUNED HIGH-FREQUENCY COUPLING DEVICE
James Brydon Rudd and John Forbes Allen, Sydney, New South Wales, Australia, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application December 18, 1945, Serial No. 635,793
In Australia June 15, 1945
5 Claims. (Cl. 171—119)



1. A permeability tuned high frequency coupling device comprising a pair of separate windings wound in axially spaced relation about a common former, a pair of guide tubes secured side by side within said former and extending longitudinally through said former, a tuning core mounted for longitudinal adjustment within each of said guide tubes, each of said cores being associated with a different one of said windings, and tuning means at the same longitudinal end of each core for axially adjusting said cores independently, in relation to said windings, from one end of said device.

2,483,597
SUPPLEMENTAL FORGING PRESS DIE
Carl E. Schogren, Pittsburgh, Pa., assignor to Heppenstall Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 22, 1946, Serial No. 656,458
4 Claims. (Cl. 76—60)

2. A removable temporary die mechanism for use with a forge press having a stationary lower die and a reciprocable upper die, said mechanism comprising a lower supplementary die formed to rest on a stationary die of a forging press, an upper supplementary die formed to be engaged by a reciprocable die of a forging press, toggle links extending between said supplementary dies and pivotally connected to the front and the rear faces thereof, the ends of said toggle links having projections formed to extend below the bottom of the lower and above the top of the upper supplementary dies to form lugs for engagement by the front and rear faces of the stationary and



reciprocable dies of such press for maintaining said mechanism in operative position, arms extending between the toggle links at the front face of the supplementary dies and those at the rear face thereof, and springs acting between said arms for yieldingly urging said supplementary dies away from each other.

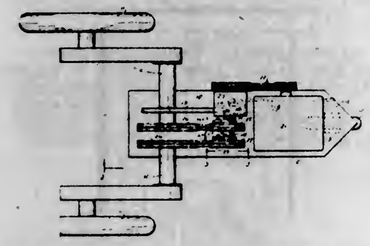
2,483,598
PROTECTIVE COATING COMPOSITION
Charles F. T. Schrank, Avon Lake, Ohio
No Drawing. Application January 4, 1946, Serial No. 639,161
3 Claims. (Cl. 106—219)

3. A protective coating for surfaces, consisting essentially of 1000 parts of water as a vaporizable vehicle, 165 parts of shellac to form the body of the coating, 56 parts of aqueous ammonia as a solvent for the shellac, the dissolved shellac forming an emulsion in the water, 3 parts of borax to promote emulsification of the water and shellac-solution mixture, 20 parts of oleic acid as a plasticizer for the emulsion, 12 parts of ethyl alcohol to inhibit saponification of the oleic acid, and 10 parts of formaldehyde as a wetting agent for the surfaces to be coated.

2,483,599
DRIVE-CORRELATING STEERING MEANS FOR TRACTORS
Lawrence K. Spitser, Arapahoe County, near Englewood, Colo., assignor to Arrow Manufacturing Company, a corporation of Colorado
Application October 24, 1947, Serial No. 781,925
4 Claims. (Cl. 180—18)

3. In a tractor having spacedly-parallel, like drive members supporting one of its ends and steerable supporting means at its other end, independent power trains to said drive members, a normally-loose, consequently-inoperative, belt drive section in each of said power trains, and steering mechanism manually actuatable for the directional control of said steerable means, means reactive to steering mechanism manipulation to effect drive simultaneously through both of said belt drive sections during straight-line tractor travel and to interrupt drive through the section serving the radially-inward drive member during curvilinear tractor travel, said means comprising a

horizontal rock-shaft element extension from the steering mechanism perpendicular to and beneath both said belt drive sections, a plate bracket-mounted for slidable, vertical adjustment between said shaft and the lower run of each belt drive section, an idler wheel freely rotatable on and for travel with the upper end of each said plate



into and out of tightening engagement with the associated belt lower run, an actuating follower freely rotatable in a vertical plane on and for travel with each plate lower end, and an arcuate-ended cam fixed to and projecting radially from said rock-shaft extension for plate-elevating engagement with each of said followers as an incident of rock-shaft oscillation.

2,483,600
PREPARATION OF HIGH-VISCOSITY EXTREME PRESSURE BASE BY AIR-BLOWING

Joseph B. Stucker, Oak Park, Ernest T. Fronczak, Chicago, and George Wolfram, Des Plaines, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application May 16, 1946, Serial No. 670,302
9 Claims. (Cl. 252—46.6)

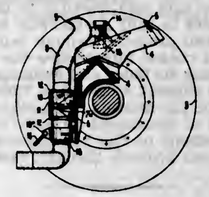
1. The method of preparing a high viscosity extreme pressure additive comprising, reacting sulfur with a non-drying fatty oil containing a substantial amount of free fatty acid, at temperatures of approximately 300–350° F. while maintaining said non-drying fatty oil in intimate contact with finely dispersed air, said finely dispersed air being injected rapidly into the reaction mixture by passing air through a solid porous body immersed in the mixture of said oil and sulfur until a good copper corrosion strip test is obtained and then phosphorizing the sulfurised product with phosphorous sesquisulfide at a temperature of approximately 220–230° F., and continuing the reaction until a sulfurized and phosphorized product having a viscosity of at least about 700 seconds Saybolt at 210° F. is produced.

2,483,601
DISCHARGER FOR CENTRIFUGAL MACHINES

Pieter van Riel, Delft, Netherlands, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands, a company of the Netherlands

Application November 21, 1945, Serial No. 630,079
In the Netherlands November 10, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1962
1 Claim. (Cl. 210—70)

In a centrifugal machine including a basket having a circumferential wall, a cutting blade mounted inside the basket for rotation relatively to the wall, a movable member supporting the blade for adjustable positioning thereof toward and away from the wall, a skimming device mounted for rotation with the blade and in advance thereof comprising a pipe arranged substantially transversely of the basket and having an elongated mouth adjacent the wall, the

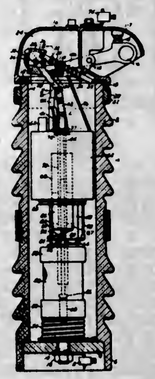


longitudinal axis of the mouth being substantially parallel to the wall, a slidable connection between the skimming device and the movable member, and locking means, including a clamp integral with the device and surrounding the member, whereby the device may be locked in adjusted position.

2,483,602
CIRCUIT BREAKER

James M. Wallace, Braddock, and Andrew W. Edwards and Earl F. Beach, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 25, 1945, Serial No. 574,483
4 Claims. (Cl. 200—89)

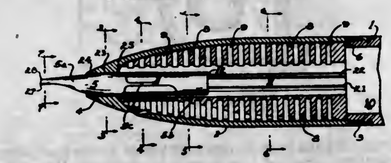


1. In a circuit interrupter of the type having separable contacts, and having provisions for automatically separating said contacts to interrupt the circuit in response to a predetermined circuit condition and for automatically closing said contacts following a circuit interrupting operation, the combination of normally inactive means adapted when actuated to prevent automatic reclosing of said contacts, integrating means adapted to be advanced a predetermined amount in response to each circuit interrupting operation and when advanced a predetermined greater amount by a predetermined number of a plurality of successive circuit interrupting operations being engageable with said reclosure preventing means to actuate the same, and manually operable means for selectively reducing the travel of said integrating means necessary to actuate said reclosure preventing means by introducing motion transmitting means between said integrating means and reclosure preventing means so that said integrating means may be caused to actuate said reclosure preventing means in response to a predetermined circuit interrupting operation in advance of the last one of said predetermined number of circuit interrupting operations.

2,483,603
FOUNTAIN PEN NIB

Russell T. Wing, Excelsior, Minn.

Application March 18, 1946, Serial No. 655,078
8 Claims. (Cl. 120—51)

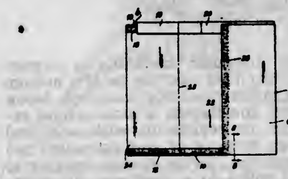


2. The combination in a fountain pen, of a barrel having a bore at its front end, and a pen point comprising a substantially rigid nib portion and an anchoring portion, said anchoring portion snugly fitting in said bore and preventing relative rotation of the pen point in the bore, said pen point having a resilient intermediate portion connecting the nib portion to the anchoring portion, said nib portion having convex outer surfaces which are in circumferential line contact with the wall of said bore at a point spaced inwardly from the open end of the bore whereby the nib portion is adapted for limited oscillatory movement against the resistance of said resilient intermediate pen portion in a plane perpendicular to the writing surface.

2,483,604
CONTAINER AND METHOD OF MAKING THE SAME

Alvin A. Abramson, St. Louis, Mo., assignor to Central States Paper & Bag Company, St. Louis, Mo., a corporation of Missouri

Application June 24, 1944, Serial No. 541,884
6 Claims. (Cl. 93—35)

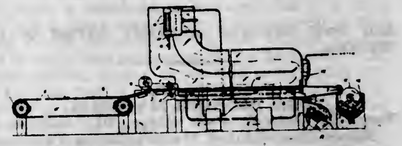


1. That method of constructing a bag-like container from a section of flexible material which comprises applying a stripe of pressure-sensitive adhesive longitudinally along each side margin of the section, covering one of the stripes of adhesive with a removable strip of material extending substantially throughout the length of the stripe and projecting beyond one transverse margin of the section, folding one end-portion of the section of predetermined width over and upon the section for partially doubling the section upon itself, applying a transverse stripe of adhesive to the exposed transverse margin of said folded end-portion, similarly folding the other end-portion of the section with its end overlapping said transverse stripe and completing the doubling of the section upon itself, and then pressing together the folded parts along the uncovered adhesive stripes, the covered adhesive-coated margin defining an open end for the container adapted for closure by removing said cover strip and pressing the associated margins together.

2,483,605
APPARATUS FOR MANUFACTURING CONTAINERS

Alvin A. Abramson, St. Louis, Mo., assignor to Central States Paper & Bag Company, St. Louis, Mo., a corporation of Missouri

Original application June 24, 1944, Serial No. 541,884. Divided and this application September 12, 1945, Serial No. 615,835
1 Claim. (Cl. 91—55)



A bag-making machine comprising means for passing a sheet of bag-forming material along a predetermined path in a continuous web, means for applying hot adhesive to said web in defined areas, a chamber located along and around said path through which said web passes after it has received the application of the adhesive, a cooling coil associated with said chamber for cooling and dehumidifying the air within said chamber, blower means for circulating said refrigerated and dehumidified air in a continuously moving stream from the cooling coil over the surface of the web of bag-forming material as it passes through the chamber, a flat floor-forming plate in said chamber over which said web of bag-forming material slides as it moves through the chamber, and separate refrigerating units for respectively cooling said plate and said cooling coil.

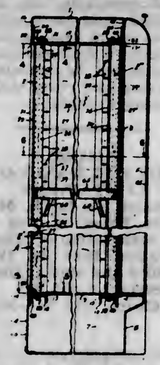
2,483,606
KNOCKDOWN UTILITY CABINET

Frank Albach and George R. Chervenka, St. Louis, Mo., assignors to The Medart Company, St. Louis, Mo., a corporation of Missouri

Application October 25, 1946, Serial No. 705,596
11 Claims. (Cl. 312—141)

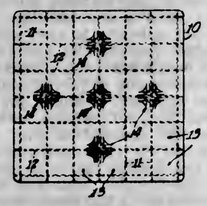
11. A knock-down rectangular sheet metal utility cabinet comprising a base member provided with recesses in its corners, a top member similarly provided with recesses in its corners, a pair of side walls formed with hollow triangular corner posts having upwardly and downwardly projecting members for engagement respectively in selected ones of the recesses in the base and top members, said corner posts being provided with a vertical recess, a back wall having marginal bead-like channels for interlocking engagement with the vertical recesses of the triangular corner posts of the side walls and having upwardly and downwardly projecting means for engagement in others of the recesses in the base and top members, said corner posts each being provided in the area between the recess thereof and its main wall-forming section with a uni-

formly spaced series of slots, shelf brackets removably engaged in the slots of each corner post,



and shelf members adjustably carried by the brackets.

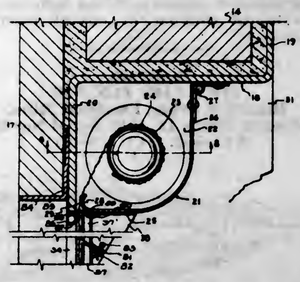
2,483,607
EGG PACKING MATERIAL
Terris H. Alfreds, Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware
Application December 7, 1946, Serial No. 714,714
7 Claims. (Cl. 217—26)



4. A packing member embodying therein a rectangular and generally flat body portion of a size for use in a compartment of a packing case and adapted to be engageable on the upper side thereof by the edges of a conventional cellular filler composed of sets of intersecting strips, which in the operative position on said upper side of the body portion are arranged at right angles to each other and form a plurality of cell-like areas, and a plurality of sets of upward projections rising from said side of said body portion, in a group of corners arranged symmetrically with reference to all edges of the body portions, each set of projections comprising four projections disposed in the corners of four adjacent cell-like areas at the intersection of associated right angled strips of the filler, said projections being of a height not more than that of the filler.

2,483,608
FIREPLACE SCREEN
Alec J. Arany, Sherman Oaks, Calif.
Application November 26, 1946, Serial No. 712,381
6 Claims. (Cl. 126—202)

1. In a fireplace, means framing a fireplace opening, said means including an overhead masonry arch, a structural member including a horizontal wall underlying said arch and supporting the same and a vertical wall projecting downwardly from the forward extremity of said horizontal wall, a casing member including a portion hinged to and projecting downwardly from said horizontal wall and a portion projecting forwardly from the lower extremity of said downwardly projecting portion and spaced at its forward edge from said vertical wall to define a pass, a spring-biased roller mounted within said casing, a screen rolled upon said roller and passing down-



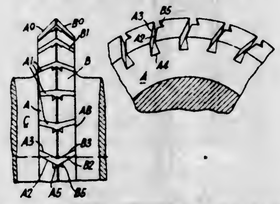
wardly through said pass, vertical guides at the respective sides of the fireplace opening, the side extremities of the screen traveling in said guides, and brackets attached to the underside of said forwardly projecting casing portion and having means for securing the same to the upper extremities of said guides, said brackets having short guide portions forming continuations of said guides.

2,483,609
CIGARETTE DISPENSER
Edmond Howard Barmore, Los Angeles, Calif.
Application August 30, 1946, Serial No. 693,937
5 Claims. (Cl. 312—84)



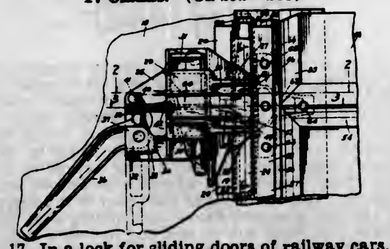
1. A cigarette dispenser including a hopper having a horizontal feed opening in the bottom thereof, a feed roller turnably mounted below said feed opening and having a longitudinal recess therein normally registering with said feed opening, a trough forward of and extending below said feed opening, spring means tending to rotate said feed roller in a clockwise direction, stop means carried by said feed roller and extending into said hopper and limiting the clockwise movement of said feed roller, a lifting arm pivotally supported in said trough and normally overlying said stop means and actuating means for moving said lifting arm into contact with said stop means for rotating said feed roller in a counterclockwise direction for dispensing a cigarette from the said recess into said trough and onto said lifting arm, whereby the dispensed cigarette will be moved to a cigarette-delivering position upon movement of the said lifting arm to vertical position.

2,483,610
BLADED IMPELLER FOR TURBOBLOWERS
Karl Baumann, Mere, Knutsford, England, assignor, by mesne assignments, to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England
Application February 26, 1944, Serial No. 523,988
In Great Britain March 23, 1943
5 Claims. (Cl. 230—134)



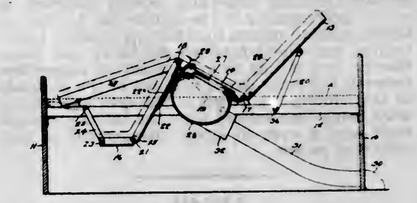
2. A double-entry open-sided bladed blower comprising a rotary shaft, a hub thereon formed on its circumferential surface with two rectilinear grooves intersecting at one end in a location further removed radially outwardly from the rotary axis of the shaft than are their opposite and axially outer ends, and two complementary half-blades rooted one in each groove, at least one-half blade being insertable from the axially outer end of the appertaining groove into abutting relationship with the other half-blade along a plane passing through the intersection of said grooves.

2,483,611
CAR DOOR AND LOCK THEREFOR
Wilfred A. Beauchamp and Thorvald Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Original application September 18, 1941, Serial No. 411,356, now Patent No. 2,387,109, dated October 16, 1945. Divided and this application June 30, 1945, Serial No. 602,557
17 Claims. (Cl. 292—283)



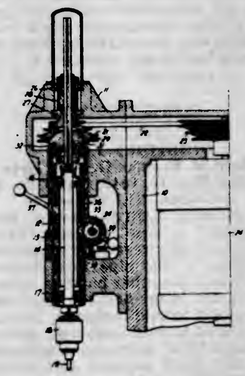
17. In a lock for sliding doors of railway cars, a locking member, said locking member having a body portion lying substantially within the outer plane of the door, an eye formed in said member inwardly of said plane adapted to mount said member for horizontal and vertical swinging movement, a pocket formed in said member adapted to receive a locking pin, said pocket lying inwardly of said plane and embodying an inner wall adapted to lie behind the locking pin and downwardly converging side walls extending from said body portion to said inner wall, a locking lug on said member adjacent to the free end thereof, said locking lug extending inwardly from said body portion of said locking member, and a lobe projecting inwardly from said locking lug.

2,483,612
INVALID'S BED
Marvel D. Beem, West Los Angeles, Calif., assignor of one-half to The Beem Foundation, Los Angeles, Calif., a charitable trust of California
Application October 15, 1945, Serial No. 622,388
3 Claims. (Cl. 5—90)



1. In a bed, in combination with a fixed frame structure, a mattress frame comprising a back rest and a thigh section conjointly hinged to said fixed frame structure, a leg rest hinged at one end to said thigh section to form a knee joint, and a step section hinged at one end to the other end of said leg rest, a combined sliding and hinging connection between said leg rest and said fixed frame structure adapted, in response to upward swinging movement of said knee joint from a lowered to a raised position, to guide said leg rest in a combined pivotal and translational movement in which its end adjacent said knee joint moves upwardly and its opposite end moves downwardly, moving said step section to a position below the normal plane of said mattress frame, and means linking the other end of said step section to the fixed frame structure and cooperating with said other end of the leg rest to guide said step section to a lowered position in which it is substantially horizontal.

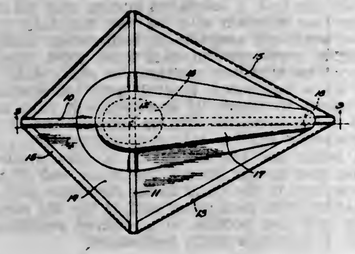
2,483,613
DRILL PRESS
Burtis W. Benbow, Benbow, Calif.
Application July 15, 1947, Serial No. 760,963
2 Claims. (Cl. 77—29)



1. A drill press, a frame, a vertical spindle carried by the frame, the lower end of the spindle being adapted for attachment to a drill, a pair

of sleeves concentric with the spindle and through which the spindle extends, the outer sleeve being movably carried by the frame and the inner sleeve being movable relative to the outer sleeve, means forming a journal bearing between the inner sleeve and the spindle, a rotatable spindle driving member aligned with the spindle, friction clutching means adapted to clutch said member to the spindle for driving the latter, manual means for effecting relative longitudinal movement between the outer and inner sleeves, and means forming a thrust connection between the outer sleeve and one of the elements of said clutch, the thrust of the drill against the work being transmitted from the spindle through both said sleeves to effect engagement of said clutching means.

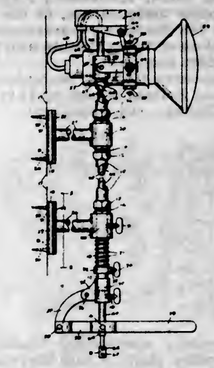
2,483,614
TOY KITE
Frederick J. Benson, Columbus, Ohio
Application August 29, 1946, Serial No. 693,699
4 Claims. (Cl. 244—153)



1. A toy kite comprising a frame, a covering for said frame, said covering being formed toward its forward portion with a relatively enlarged air-intake opening, and an elongated longitudinally and transversely tapered envelope carried longitudinally of said covering and forming therewith an elongated longitudinally tapered passageway, said passageway communicating at one end with the air-intake opening formed in said covering and being provided at its opposite end with a relatively restricted air-discharge opening.

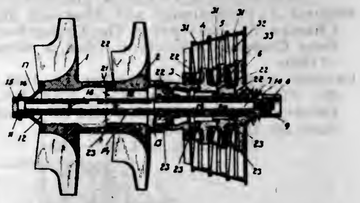
2,483,615
DIRIGIBLE LIGHT
Lloyd M. Benson, Omaha, Nebr.
Application May 10, 1945, Serial No. 592,996
2 Claims. (Cl. 248—224)

2. In a dirigible lighting device; two spaced apart bushings; a pipe disposed through said bushings; means for preventing longitudinal sliding movements of the pipe with respect to one of said bushings, the other bushing being slidable on said pipe, the latter being transversely rotatable with respect to said bushings; two arms having ends secured to said bushings; disengageable means secured to an extraneous surface and attached to the other ends of said arms for removably attaching said arms to said surface, said disengageable means being such that said pipe will be rigidly held to said extraneous surface at times when said bushings are urged toward each other; and spring means for urging said bushings toward each other so that when said bushings are manually separated against the



urge of said spring means, said disengageable means may be released.

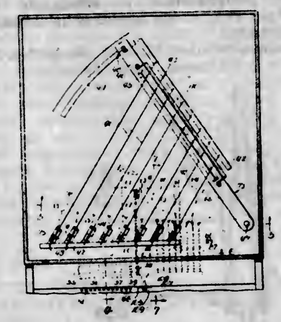
2,483,616
ROTOR FOR MULTISTAGE TURBINES OR SIMILAR MACHINES
Karl Abdon Bergstedt, Langedrag, Sweden, assignor to Svenska Flygmotor Aktiebolaget, Goteborg, Sweden, a corporation of Sweden
Application May 21, 1948, Serial No. 28,434
In Sweden May 22, 1947
9 Claims. (Cl. 230—116)



1. In a multistage turbine, rotary compressor or the like, a rotor consisting of a set of separate wheels in coaxial alignment with each other, moving blades secured to said wheels, each of said wheels having a central opening, a rod extending axially through the openings in the wheels and having one of its ends secured to one end wheel of said set of wheels, a first sleeve surrounding said rod along at least part of the length of the rod, a second sleeve surrounding said first sleeve, the other end of said rod having a shoulder abutting against one end of said first sleeve, one end of said second sleeve having a shoulder abutting against the other end of said first sleeve, and a shoulder at the other end of said second sleeve, said last-named shoulder abutting against the other end wheel of said set of wheels.

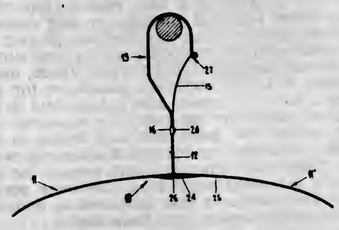
2,483,617
MUSICAL INSTRUMENT
James E. Bradley, Chicago, Ill.
Application May 14, 1947, Serial No. 747,941
19 Claims. (Cl. 84—312)

1. In a stringed musical instrument, a plurality of strings parallelly arranged, a bridge movable about a pivot, said bridge determining one end of said strings, fret means determining the other ends of said strings, said fret means



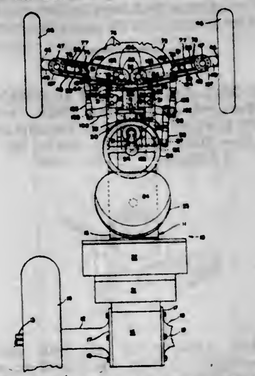
lying on a line passing through said pivot and means for moving the bridge about said pivot to change the pitch of said strings.

2,483,618
SAFETY INTERLOCKING SNAP HOOK FOR CLOTHES HANGERS
Aron Brill, Brooklyn, N. Y., and Walter Kneissler, Roselle, N. J.
Application May 15, 1946, Serial No. 669,749
1 Claim. (Cl. 24—236)



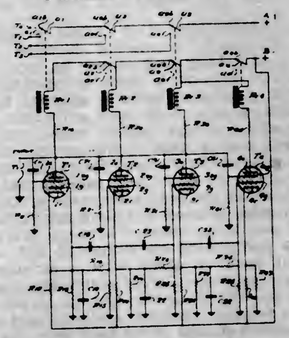
An interlocked two-member heavy load carrying hanger designed to be non-releasable under load conditions, comprising a bifurcated hook having a free end portion and a transverse member connecting the side wall elements of said hook at said free end, a leaf spring clamped to and between said side wall elements, the width of said spring being substantially equal to the distance between said side wall elements and being held thereby against lateral sway, said spring extending in an upright direction and directed from said hook body toward the free end portion of said hook, said spring terminating at its free end in a fully closed coil, said coil lying wholly within the boundaries of said spring, the end portion of said coil being upwardly directed and terminating above the lowest portion of said coil, said end portion abutting the body of said spring, and forming a recess between the body of said spring and the upturned end portion of said coil, said recess being of a size to receive the transverse member of said bifurcation in interlocking engagement, whereby a heavy load applied to said hook will cause said spring to augment said hook in carrying said load without deforming said hook or releasing said interlock.

2,483,619
ADJUSTABLE MOUNTING FOR STEERABLE WHEELS
Theophilus Brown and George Ickes, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 7, 1946, Serial No. 652,697
11 Claims. (Cl. 280—96.1)



1. In a vehicle having a frame and a pair of supporting wheels therefor, means mounting said wheels on said frame providing for lateral adjustment relative thereto comprising in combination, a pair of wheel supports, a pair of generally vertical spindles turnably mounted on said supports and having axles on which said wheels are journaled, respectively, and means connecting said supports to said frame including joint means providing for swinging said supports between transversely and longitudinally disposed positions to adjust the lateral spacing of said wheels, said connecting means also including joint means providing for angular shifting movement of said supports about fore and aft extending axes to adjust the camber of said wheels.

2,483,620
COUNTING AND TIMING CIRCUITS
Ernest D. Burlingame, Eggertsville, and Madison G. Nicholson, Jr., Snyder, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y.
Application August 23, 1944, Serial No. 550,828
8 Claims. (Cl. 175—320)



1. In a counting circuit, in combination, a plurality of thyratrons, each having a cathode, an

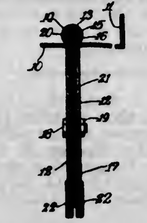
anode, and a pair of control electrodes, a relay in the space current circuit of each of said thyratrons, contacts actuated by said relays to set up successive circuits upon ionization of each tube, and means for applying a voltage drop in the space current circuit of each of said thyratrons to one control electrode of the successive tube to prepare each successive tube for operation, and means for applying impulses to be counted to the other control electrodes of all said thyratrons.

2,483,621
TIE ROD SAFETY ATTACHMENT
John E. Burnett, Drumright, Okla., assignor of one-fourth to Kermit E. Nash, Drumright, Okla.
Application March 16, 1948, Serial No. 15,221
3 Claims. (Cl. 287—90)



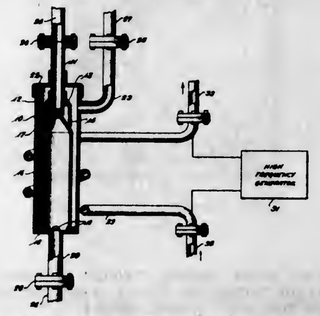
1. A safety attachment for ball and socket joints comprising a cage anchored to one part of a ball and socket joint and receiving the other part of said joint to hold the parts against separating movement, said cage being constructed of a metal blank bent to provide a top, bottom and opposed sides permanently united to each other.

2,483,622
FENDER WELT CLIP
Anthony H. Burski, Chicago, Ill.
Application February 26, 1947, Serial No. 730,883
2 Claims. (Cl. 280—153.5)



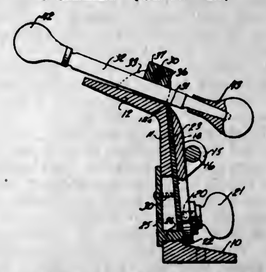
1. In combination, in a vehicle a body and fender detachably connected together, plates affixed to said body and fender in face-to-face relationship forming a joint therebetween, an anti-rattle protective member gripped between said plates in said joint, said protective member comprising a welt having leaves separating said plates and a bead overlying the external line of contact between said plates adjacent the connection at the body and fender, and metal clips embracing the bead and leaves of said protective member located at spaced intervals along said welt and being inserted between said plates, each clip comprising an elongated flat narrow strip bent back on itself with a circular loop formed at the bend thereof encircling the bead of said welt, and elongated shanks on said loop extending beyond the inner edges of said plates, said elongated shanks being bent over the inner edge of at least one of said plates and holding the protective member and bead in place.

2,483,623
APPARATUS FOR PROCESS OF DRYING OIL
Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining, Unincorporated
Application October 15, 1943, Serial No. 506,429
3 Claims. (Cl. 219—47)



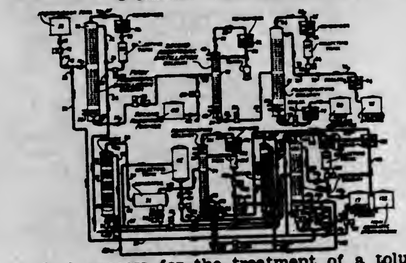
1. Apparatus for vaporizing water from another liquid in which a small amount of said water is dispersed, which apparatus comprises, a vertically extending enclosing casing forming a closed chamber, said chamber having therein a vertically extending surface, a spreader member adjacent the upper portion of said chamber providing an aperture adjacent the upper portion of said surface for spreading a thin film of said liquid upon said surface so that said liquid flows down said surface as a film, said surface being spaced from adjacent surfaces in said chamber a distance greater than the thickness of said film to provide a vaporizing space at the free surface of said film for liberation of water vapor, means including a radio frequency generator for producing a radio frequency alternating field in said liquid of sufficient intensity to vaporize said water, means for delivering said liquid to said spreader member, means for discharging water vapor from said chamber and means for discharging the dried liquid from the lower portion of said chamber at a rate sufficient to maintain said vaporizing space free from liquid.

2,483,624
EDGER FOR SCRAPERS
Sherman A. Courter, Claremont, Calif.; Hilda L. Adams executrix of said Sherman A. Courter, deceased
Application October 22, 1948, Serial No. 56,023
3 Claims. (Cl. 76—82)



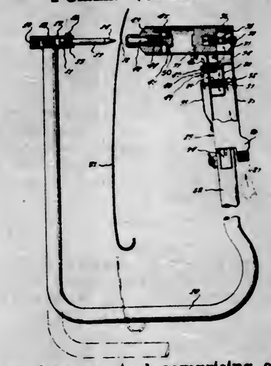
1. A burnishing tool for scraper blades comprising a vertical standard, means securing the standard rigidly to a bench, a clamping plate, means rockably mounting an intermediate portion of the plate on the standard, an adjustable means on the standard for supporting a scraper blade between the standard and the clamping plate, means causing the clamping plate to bind the blade onto the standard, a table projecting from the upper edge of the standard, a crosshead, means for slidably mounting the crosshead above the table, said crosshead provided with a passage extending transversely of the table and a burnisher in the passage guided by the crosshead for engagement with the cutting edge of the scraper, the angular disposition of the table relative to the vertical plane of the standard determining the angular turning of the cutting edge of the scraper blade.

2,483,625
TWO-STAGE AZEOTROPIC DISTILLATION OF NONAROMATIC HYDROCARBONS FROM TOLUENE
Rudolph Cubicciotti, Beverly Hills, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application January 4, 1943, Serial No. 471,267
3 Claims. (Cl. 202—42)



1. A process for the treatment of a toluene fraction containing non-aromatic hydrocarbons which ordinarily distill from the toluene fraction in the same temperature range as the toluene distills therefrom which comprises distilling said toluene fraction in the presence of a sufficient amount of methyl alcohol to distill only a portion of said non-aromatic hydrocarbons together with said methyl alcohol without distilling a substantial amount of toluene, said methyl alcohol being adapted to remove by azeotropic distillation only a portion of said non-aromatic hydrocarbons without distilling toluene, thereby leaving the remaining portion of said non-aromatic hydrocarbons together with said toluene in the residue, distilling said residue in the presence of a sufficient amount of methyl ethyl ketone to distill the remaining portion of said non-aromatic hydrocarbons together with said methyl ethyl ketone without distilling substantial amounts of toluene, said methyl ethyl ketone being adapted to remove by azeotropic distillation substantially all of the non-aromatic hydrocarbons without distilling toluene from a mixture of toluene and non-aromatic hydrocarbons when used in sufficient amounts, thereby leaving said toluene in the residue substantially free from non-aromatic hydrocarbons, said methyl alcohol being adapted to form azeotropes with said non-aromatic hydrocarbons having a relatively low ratio of azeotrope former to non-aromatic hydrocarbons and said methyl ethyl ketone being adapted to form azeotropes with said non-aromatic hydrocarbons having a relatively high ratio of azeotrope former to non-aromatic hydrocarbons, said methyl alcohol being capable of forming azeotropes with the toluene contained in said toluene fraction and said methyl ethyl ketone being incapable of forming azeotropes with said toluene during said azeotropic distillation.

2,483,626
AIR TAP HAMMER
Elek Daku, Little Falls, N. J.
Application April 26, 1948, Serial No. 23,239
1 Claim. (Cl. 153—32)

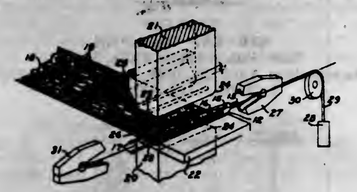


An air hammer tool comprising a U-shaped arbor having spaced legs, a supporting pointer biasingly mounted for adjustment on one leg of the arbor, an air hammer device releasably connected to the other leg of the arbor and having a hammer tool adapted to be extended therefrom for engagement with the metal sheet being straightened, said air hammer device comprising a housing adapted to receive air, a manually operated valve extending from the housing, a partition within the housing separating the same into separate chambers, said valve controlling the flow of air through the partition, a hammer cylinder connected to the end of the housing and extending at an angle therefrom, said cylinder having spaced air discharge openings, a hammer within the cylinder adapted for engagement with the tool, one of the openings allowing for the air to be discharged ahead of the hammer and the other opening allowing for the air which operates the hammer to be discharged when the hammer has been advanced to the blow position, a head for receiving the tool, said head being secured to the hammer cylinder, automatic release valve means extending through the housing and operable automatically when the blow has been effected to permit the exit of air from the hammer cylinder and from the housing and the return of the hammer to a position to again be used, and spring tension means secured to the hammer and the hammer cylinder to effect its return away from the hammer tool, said release valve means having a spring tending to lift the valve to an open position and operable upon the discharge of air through the other opening and after the advancement of the hammer to permit the return of the hammer.

2,483,627
METHOD OF PRODUCING HELICAL BRUSHES
Vernon F. Dale, Onalaska, Wis.
Application February 3, 1945, Serial No. 576,033
5 Claims. (Cl. 300—21)

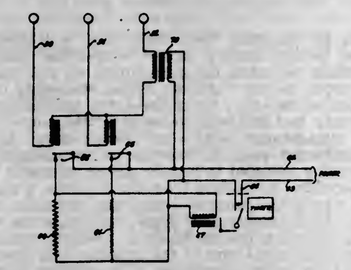
1. The method of producing helical brushes, which comprises, fixing a tip having a trans-

verse thru-opening to a relatively soft wire by inserting a length of the wire through the tip opening and bending the wire to provide elongated prongs extending away from the tip, disposing the prongs on opposite sides of a layer of harder bristles extending transversely of the



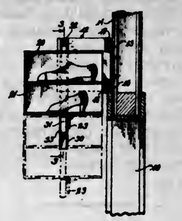
prongs, pressing the prongs against the intervening bristle layer to cause the outer bristles of the layer to form spacing indentations in the softer wire, and finally twisting the prongs about each other to clamp the bristles therebetween in helical formation.

2,483,626
PRESSURE COOKER
Robert F. Davis, Falls Church, Va.
Application September 26, 1946, Serial No. 699,473
4 Claims. (Cl. 219—43)



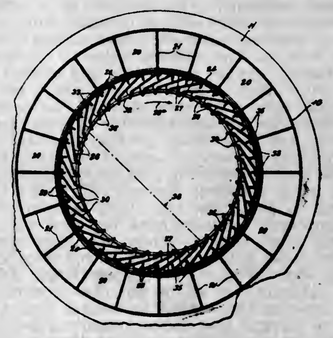
4. In a pressure cooker assembly, a primary circuit having three parallel branches, a pair of heating elements, a pair of relay switches, one of said pair of relay switches and one of said pair of heating elements being in series in each of two of said branches, a stepdown transformer, the primary of said transformer being in the third of said branches, a secondary circuit including the secondary of said stepdown transformer, said secondary circuit having a pair of parallel branches, a pair of normally open pressure switches, a pair of relay coils, one of said pair of pressure switches and one of said pair of relay coils being series connected in each of the branches of said secondary circuit, one of said pair of relay coils being connected to operate each of said switches, said primary circuit, the two branches having the heating element therein, the relay switches and relay coils therefor constituting a heating unit, a cooking vessel separate from said heating unit but adapted to be removably positioned thereon, a quickly detachable lid for said vessel, said pressure switches being mounted in said lid in a position to close in response to the attainment of a predetermined pressure within the said vessel, the part of said secondary circuit connecting said pressure switches to said relay coils being a flexible cord whereby the heating unit is rendered wholly separable from the vessel.

2,483,629
STORAGE BOX
Robert F. Davis, Falls Church, Va.
Application February 4, 1948, Serial No. 6,222
5 Claims. (Cl. 312—112)



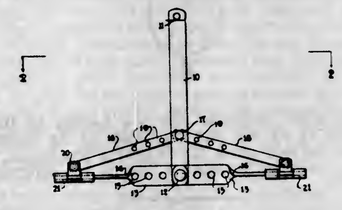
1. In a retractable storage box for use in a construction in which a wall section extends downwardly from a ceiling section and terminates well above the underlying floor section, and that comprises a retractable box, means to support said box behind said wall section, and above its lower edge and under said ceiling section, said means also permitting said box to be pulled downward a limited distance to a position below the lower edge of said wall section for access to its contents, the improvement that comprises a supporting frame for said box, mounting means for mounting said supporting frame on said wall section above its lower edge, guide members for guiding said box up and down in a straight line, and spring means for counterbalancing said box, said spring means exerting substantially equal counterbalancing force regardless of the elevation of said box.

2,483,630
ROTARY DRIER OR COOLER
John L. Erisman, Oak Park, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application February 1, 1946, Serial No. 644,754
17 Claims. (Cl. 34—135)



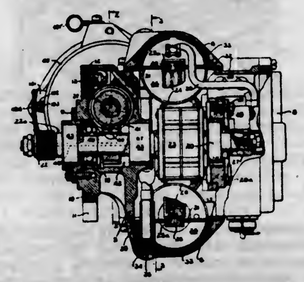
1. A device of the type described, comprising a rotatably supported, horizontally arranged cell or cylinder, an annular series of longitudinally extending substantially radial outer louvres secured at their outer longitudinal edge portions to the inner surface of the cell or cylinder in circumferentially spaced relation to form a circular series of longitudinal treatment fluid passages, means for tying together and bracing the inner longitudinal edge portions of said radial louvres, an annular series of longitudinally extending, overlapping, tangential louvres arranged inwardly of said outer louvres and forming a plurality of longitudinal outlet openings or slots for each of said fluid passages, and means for supporting the annular series of tangential louvres on the tying and bracing means for the radial louvres so as to permit linear expansion of the tangential louvres relative to the radial louvres.

2,483,631
SMALL GAME SUSPENDING DEVICE
Charles J. Fashing, Lorain, Ohio
Application October 12, 1945, Serial No. 621,874
1 Claim. (Cl. 294—80)



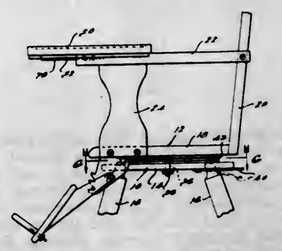
In a game hanger, a hanger adapted to be supported by a hook, a pair of jaw bars pivotally fastened to said hanger bar and extending in opposite directions therefrom, each of said jaw bars having a clamping recess cut therein, a pair of sleeves adapted to slide freely on said jaw bars, said sleeves having clamping recesses cut therein corresponding to those in the jaw bars, and a pair of lever arms pivotally mounted to a point on the hanger at a distance above the jaw bars, the free ends of the lever arms being pivotally connected with said sleeves.

2,483,632
MAGNETO
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 3, 1942, Serial No. 433,175
20 Claims. (Cl. 171—209)



1. In apparatus of the class described, a casing, a magnetic rotor rotatably mounted in said casing, means at one end of the rotor shaft for operatively connecting the rotor to the drive member of an engine, cam means on the other end of said shaft, a pair of circuit breakers mounted in said casing for operation by said cam, a pair of ignition coils mounted in metallic covers removably secured to said casing on opposite sides of said rotor, means connecting the primary windings of said coils in circuit with said circuit breakers, stator means magnetically connecting the cores of said coils with said rotor, a pair of ignition distributors disposed on opposite sides of the rotor shaft at substantially right angles to the sides on which said coils are disposed, each of said distributors comprising a rotatable distributor finger and a stationary distributor block having a central terminal and a plurality of circularly arranged terminals embedded therein for cooperation with said finger, means drivably connecting said distributor fingers to said rotor shaft whereby said fingers are rotated about an axis extending at right angles to the axis of rotation of said shaft, said blocks being secured in metallic covers removably mounted on said casing, each of said blocks having a socket therein and an electrical conductor connected to the central terminal thereof and terminating in said socket, a socket associated with each of said coils in which the secondary winding of the coil terminates, and conducting means secured in said casing and having plug portions slidably extending into said sockets for operatively connecting the secondary windings of each of said coils to the conductor in one of said blocks.

2,483,633
HIGH CHAIR
George E. Froelich, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application September 13, 1945, Serial No. 616,101
2 Claims. (Cl. 155—127)

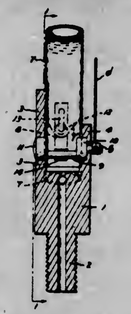


1. A high chair construction comprising a seat having a back and side arms, a tray slidably disposed on said arms, and releasable gripping means for releasably securing said tray in position with respect to said side arms, said last-named means including oppositely directed plungers, said plungers being channel shaped with the inner ends thereof closed, resilient gripping members mounted within the outer ends of said plungers, means slidably mounting said plungers on the under side of said tray for linear movement, the inner ends of said plungers being spaced from each other, a cam having an operating lever integral therewith pivotally connected to the under side of said tray in said space with the periphery of said cam contactable with the adjacent closed ends of said plungers for projecting said plungers together with the gripping members outwardly to grip the adjacent inside surfaces of said arms, and resilient means between said plungers and said cam to hold said closed ends in contact with the periphery of said cam.

2,483,634
WATER-SOLUBLE PRODUCTS RECOVERED FROM FORAGE CROPS
William R. Graham, Jr., Kansas City, and George O. Kohler, Mission, Kans., and Elroy E. Frye, Kansas City, Mo., assignors to American Dairies, Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, jointly
No Drawing. Original application February 8, 1944, Serial No. 531,578. Divided and this application January 11, 1945, Serial No. 572,438
9 Claims. (Cl. 99—23).

1. A palatable beverage comprising an aqueous extract of leafy vegetation containing water-soluble constituents of said crop but containing only traces of the unpalatable inorganic anions commonly present.

2,483,635
PRESSURE GAUGE
Charles Robert Archibald Grant, London, England
Application October 3, 1946, Serial No. 700,950
In Great Britain July 16, 1945
2 Claims. (Cl. 73—411)



1. In a pressure gauge the combination comprising a hollow post having a forked end, a Bourdon tube secured at one end to said post in communication with the interior thereof, a spindle rotatably mounted in said forked end, a pointer secured to said spindle, said forked end having circular openings therein, circular discs on said spindle, said discs engaging said circular openings, a crank pin located between said discs, a link having a resilient loop at one end thereof, said resilient loop engaging with said crank pin, said link having a slot in its other end, and a screw engaging said slot and secured to the other end of said Bourdon tube.

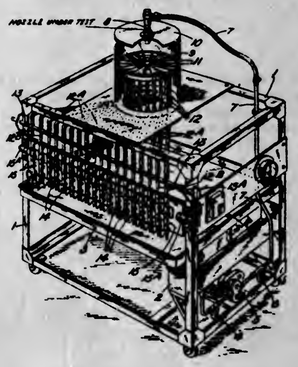
2,483,636
FOUNTAIN SYRINGE
Ralph F. Hardesty, West Medford, Mass., assignor to Davidson Rubber Company, Charlestown, Mass., a corporation of Massachusetts
Application March 23, 1946, Serial No. 657,866
2 Claims. (Cl. 128—227)

1. A rubber syringe bag of a relatively flat elongated form comprising upper and lower sections and an intermediate waist portion connecting said sections together, said waist portion being constructed to provide a fold line in one side wall thereof and extending transversely across the bag to produce a natural tendency for the bag to fold toward one side thereof into a compact form in which one section is superposed longitudinally upon the other, said bag having parts at the opposite end portions thereof cooperating with each other to fasten the bag releasably



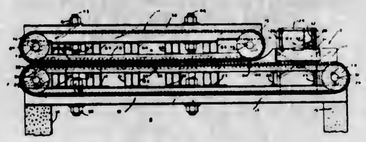
in its folded condition, the bag having an inlet opening at its top and an outlet at its bottom, and one of said parts for fastening the bag in its folded condition forming a closure for said inlet opening.

2,483,637
MEANS FOR TESTING SPRAYING DEVICES
William Rede Hawthorne, Washington, D. C., and John Ruskin Joyce, Wimbledon, London, England, assignors to Power Jets (Research & Development) Limited, London, England
Application August 8, 1945, Serial No. 609,604
In Great Britain August 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 26, 1962
5 Claims. (Cl. 73—432)



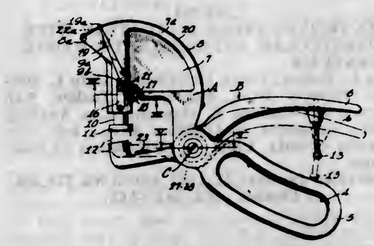
4. Apparatus for testing or ascertaining the circumferential distribution of the output of a spraying jet or nozzle comprising a plurality of similar open receivers arranged symmetrically as a circular series about an axis, and means for supporting the jet or nozzle in a position aligned on said axis and in such specific and repeatable relationship to said plurality of receivers as to result in simultaneous collection therein of the output from the jet or nozzle.

2,483,638
BRIQUETTING MACHINE
Andrew F. Howe, St. Louis, Mo., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo., a corporation of Missouri
Application July 31, 1946, Serial No. 687,254
6 Claims. (Cl. 18—21)



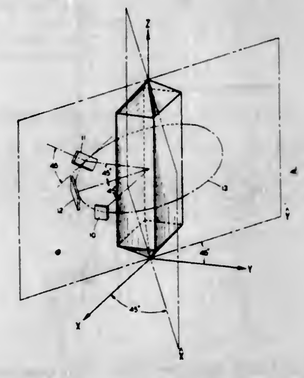
1. In a briquetting machine, a mold section taking the form of a continuous belt and comprising a plurality of segments carrying a plurality of mold compartments thereon, an elongated frame supporting shaft bearings and journals on its ends, a shaft mounted for rotation at each end of said frame, two sprocket wheels attached to each of said shafts, means for connecting said segments together having extensions engageable in teeth in said sprocket wheels, and a plurality of supporting wheels carried on each of said shafts intermediate of said sprockets, each of said supporting wheels having a plurality of flat surfaces disposed radially at their peripheral edge which surfaces mesh with bearing flanges carried on said segments.

2,483,639
LEATHER MEASURING GAUGE
Harold E. Jacot, Napa, Calif., assignor to Sawyer Tanning Company, Napa, Calif.
Application June 1, 1948, Serial No. 30,372
1 Claim. (Cl. 33—148)



A gauge comprising two members pivotally secured together and provided with handles; a fixed head carried by one member to engage with the underneath surface of a leather sheet, or the like, to be measured; a curved head fixed to the other member to overlie the leather sheet; the curved head having an arcuate-shaped portion of a length exceeding a quadrant of a circle; the curved head having a side face with a flat surface extending along the entire length of the arcuate portion thereof; a curved strip-like scale plate removably mounted on the arcuate portion of the curved head and projecting laterally beyond said flat surface to define a shield with an entirely-opened side; a spring-pressed movable head disposed above the leather sheet and carried by the curved head; said movable head being urged to a normal position toward the fixed head that underlies the leather sheet; the scale plate having a slot extending lengthwise thereof adjacent to said flat surface of the curved head; a pointer operatively connected to the movable head and disposed adjacent to said flat surface of the curved head to move therealong; the pointer having an indicator projecting through and guided by the slot in the scale plate and movable over the scale; the pointer being confined within the lateral space between said flat surface of the curved head and the outermost lateral edge of said shield, whereby the pointer will be protected against damage when said lateral edge is placed upon a supporting surface; and stop means for preventing movement of the handles toward each other beyond the travel necessary to bring the movable head and the fixed head that normally underlies the leather sheet into contacting relation in the absence of the leather sheet therebetween; said movable head being displaced relative to the member by which it is carried when the leather sheet is introduced between the movable head and the fixed head underneath the leather sheet and the members are moved to grip the leather sheet and thereby displace the movable head until said stop means become active.

2,483,640
PIEZOELECTRIC CRYSTAL ELEMENT
Hans Jaffe, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1948, Serial No. 8,677
6 Claims. (Cl. 171—327)

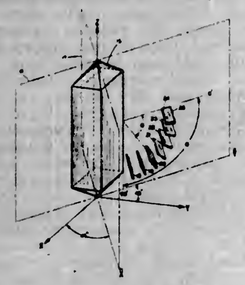


1. A plate-like piezoelectric crystal element cut from an arsenate crystal of the P-type, the thickness direction of said plate extending in a direction substantially perpendicular to the Z-axis of said crystal.

2,483,641
PIEZOELECTRIC CRYSTAL ELEMENT
Hans Jaffe, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1948, Serial No. 8,678
4 Claims. (Cl. 171—327)

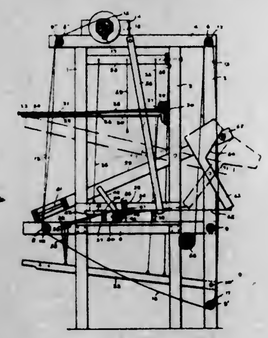
1. A plate-like thickness expander piezoelectric crystal element cut from an arsenate P-type crystal, said plate having its thickness direction in a

direction substantially parallel to a symmetry plane of said crystal and inclined at an angle



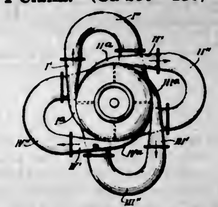
greater than zero degrees and less than ninety degrees from the Z-axis of said P-type crystal.

2,483,642
HAND-OPERATED LOOM
Joseph W. Jenkins, Toronto, Ontario, Canada
Application April 12, 1947, Serial No. 741,066
6 Claims. (Cl. 139—29)



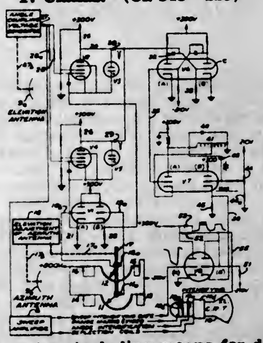
1. In a hand operated loom, the combination with the warps, heddles for manipulating said warps, and heddle levers for operating said heddles, of a frame mounted to move toward and from said warps, spacer bars mounted on said frame and intermittently spaced thereacross adapted to extend between said warps upon movement of said frame towards said warps, bars mounted on said frame spaced between the aforesaid bars and adapted to be raised above the horizontal plane of said spacer bar assembly, means for moving said raised bars downwardly in succession to press the weft material downwardly in a zig-zag pattern between the spaced spacer bars extended between the warps, and weft beating means for withdrawing said weft-engaging bars clear of the webs and for thereafter effecting the movement of said frame to withdraw said spacer bars from between said warps.

2,483,643
MULTISTAGE CENTRIFUGAL BLOWER WITH SPIRAL CASINGS
Josef Karrer, Zurich, Switzerland, assignor to Ateliers de Construction Oerlikon, Oerlikon, Switzerland, a corporation of Switzerland
Application November 20, 1945, Serial No. 629,878
In Switzerland July 29, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 29, 1959
1 Claim. (Cl. 230—130)



A multi-stage centrifugal blower having the combination of a leading and a succeeding rotatable fluid impeller, the peripheral region surrounding said leading impeller having therein a plurality of exposed sectoral spiral casings constituting the housing of the blower, each of said casings receiving fluid from its impeller for therethrough evolving a high velocity of the fluid, said pluralities of casings jointly producing a total increase of efficiency with reduction of losses of the centrifugal blower, an exposed diffuser for each of said casings joined to the outlet thereof for converting the velocity of its fluid into pressure, and a branching conduit for and joined to each of said diffusers and to the inlet of the suction chamber of said succeeding impeller transferring the fluid coursing from its said leading impeller, its said casing, and its said diffuser into the suction chamber of said succeeding impeller.

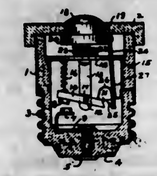
2,483,644
ELECTRONIC ANGLE INDICATION WITH PARTICULAR REFERENCE TO RADAR SYSTEMS
Alwyn L. Kelsey, North Hollywood, Alvin L. Hiebert, Beverly Hills, Homer G. Tasker, Van Nuys, and William E. Osborne, Los Angeles, Calif., assignors to Gilfillan Bros., Inc., Los Angeles County, Calif., a corporation of California
Application January 21, 1947, Serial No. 723,364
17 Claims. (Cl. 343—113)



1. In a system including means for developing a variable voltage the value of which corresponds

to the position of a movable element, and a cathode ray tube having a fluorescent screen and having associated with it means for producing in it an electron beam and means for deflecting the beam in accordance with said voltage; means for indicating on the screen the position of a second element which is independently movable in spatial relation to the first said element, comprising in combination means for developing a second voltage which has a predetermined value for every position of the second element, means for comparing the second voltage with the first mentioned voltage, and means acting by virtue of the two voltages attaining a predetermined relationship to modify the intensity of the cathode ray beam at the screen.

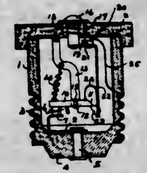
2,483,645
THERMAL CIRCUIT BREAKER
Julia Kitman, Pittsburgh, Pa.
Application January 2, 1948, Serial No. 117
1 Claim. (Cl. 200—116)



A circuit control of the class described, comprising the combination of a hollow plug body provided with a top cover, a thread shell surrounding the lower portion of said body, a contact pin secured in the bottom of said body, a shoulder formed on the interior wall of said body, a supporting disk mounted on said shoulder, a supporting bracket depending from said disk, a normally horizontally disposed contact bar having a tapered inner end pivotally connected with the lower end of said supporting bracket, a switch mounted in said body and being connected with said bar, a contact bracket connected with said pin and with said switch, a push button shiftably mounted in said cover, a spring engaging said disk and said button for normally maintaining the latter in the upward position, a bimetallic latch arm depending from said button, a conductor connecting said bar with the lower end of said latch arm, a conductor connecting the upper end of said latch arm with said shell, a tapered latching element carried at the lower end of said latch arm and normally engaging the tapered end of said bar for maintaining said switch in the closed position, said latch arm being thermostatically actuated to release said element from the tapered end of said bar, a spring connected with said disk and with said bar for shifting the latter to open said switch when said bar is released from said element, said element reengaging the tapered end of said bar to reclose said switch when said button is depressed in said cover.

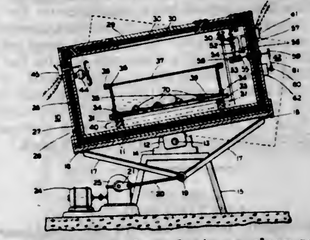
2,483,646
THERMAL CIRCUIT BREAKER
Julia Kitman, Pittsburgh, Pa.
Application January 2, 1948, Serial No. 119
1 Claim. (Cl. 200—116)

An electric circuit-breaker of the class described, comprising the combination of hollow plug body including a top cover, a thread shell surrounding the lower portion of said body, a contact pin secured in the bottom of said body, a thermostatically controlled switch mounted in said body, a manually controlled switch mounted in said body, a push button shiftably mounted in said cover, a spring mounted on said button for normally maintaining the latter in the upward position, a contact bracket secured to said pin and being connected with said thermostatically controlled switch, a supporting bracket carried by said cover, a contact bar pivotally connected with the lower end of said supporting bracket and being connected with said thermostatically controlled switch, a bimetallic latch arm carried by said button, a latching element carried at the lower end of said arm and normally engaging one end of said bar for maintaining said thermostati-



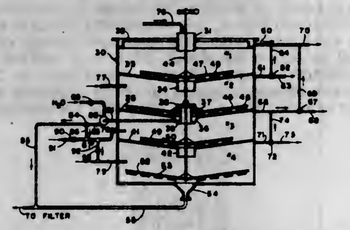
cally controlled switch in the closed position, a spring connected with said supporting bracket and with said bar for shifting the latter to open said thermostatically controlled switch when said element is released from said bar by the thermostatic action of said arm, said manually controlled switch including a pair of contact members, one of said pair of contact members being carried by said cover, and the other of said contact members being carried by said arm, and means formed on said supporting bracket for limiting the shiftable movement of said bar, a conductor connecting said bar with said arm, and a conductor connecting one of said pair of contact members with said shell.

2,483,647
METHOD OF GROWING A ROCHELLE SALT CRYSTAL
Bengt R. F. Kjellgren, University Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application October 31, 1947, Serial No. 783,333
8 Claims. (Cl. 171—327)



1. The method of producing a clear solid crystal of Rochelle salt which comprises planting a seed piece of crystalline Rochelle salt in a concentrated aqueous solution of Rochelle salt at a given temperature below about 40 degrees centigrade, effecting relative motion between the said seed piece and the said solution, and causing the solution to crystallize by lowering the temperature of the solution at a rate such that the average deposit of Rochelle salt expressed in grams per 24 hours per square inch of average exposed crystal area is between about 1.6 and 2 for a total temperature drop of about 15 degrees centigrade.

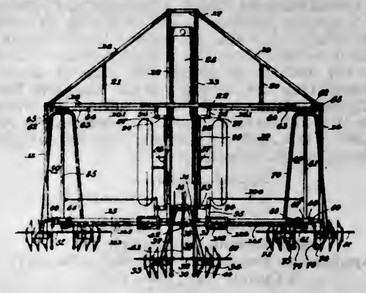
2,483,648
WASHING THICKENER SYSTEM
Cyril H. Knight, Toronto, Ontario, Canada, assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application September 19, 1945, Serial No. 617,240
In Canada April 7, 1945
14 Claims. (Cl. 210—55)



1. Apparatus of the class described including a tray clarifier having a tank with a plurality of thickening compartments, an apertured tray separating adjoining compartments, outflow means for passing clarified liquid from the upper region of each compartment, means for removing sediment as mud along each tray to its aperture, means for removing mud from the bottom of the lowermost compartment, an upcast boot around the aperture in at least one of the trays, a hood supported in encircling position with respect to the boot but spaced therefrom to leave a mud-receiving space adapted during normal operation of the tank to contain mud therein for exercising a yieldable sealing function thereby completing with the boot and hood a yieldable sealing means and feed-supply means including a feed-splitting and distributing means having feed-pipe sections corresponding in number to the thickening compartments and of which feed-pipe sections each extends from said splitting means and functions for delivering liquid transferred thereby in the thickening compartment to which it corresponds, said apparatus being characterized in that the feed-splitter means is constructed for directing liquor received therein to compartments selectively at one time above the tray having the upcast boot and selectively at another time to compartment both above and below said tray having the upcast boot, and means for selectively passing mud from the mud-receiving space of said tray having the upcast boot either at one time to join mud within the means for removing mud from the lower compartment, or at another time into a compartment below said tray having the upcast boot, and means for adding washing fluid to the mud passing to a compartment below the tray having said upcast boot.

2,483,649
CULTIVATOR
Adam J. Le Blanc, Donaldsonville, La., assignor to Le Blanc Hardware Co., Inc., Parish of Ascension, La., a corporation of Louisiana
Application November 6, 1945, Serial No. 627,017
6 Claims. (Cl. 97—50)

1. A tractor carried multiple gang cultivator assembly comprising a main frame adapted to be supported from a tractor, a multiple gang unit pivotally connected for vertical adjustment to said main frame, sub-frames carried and supported by said main frame, a multiple gang unit pivotally connected for vertical movement to each of said sub-frames, means including a cable operated by the motor of said tractor for vertically moving said multiple gang units to vertically adjust said gang units, means including a lever system for horizontally moving each sub-frame and its associated gang unit, and means for automatically compensating said cable to maintain the adjusted vertical position of said horizontally



movable gang units when said lever system for each sub-frame is operated, said last named means including a pivoted member mounted on said frame and a horizontally disposed link pivotally connecting said pivoted member to one of said sub-frames.

2,483,650
LOADING MACHINE
Arthur L. Lee, Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 6, 1945, Serial No. 609,676
10 Claims. (Cl. 180—1)

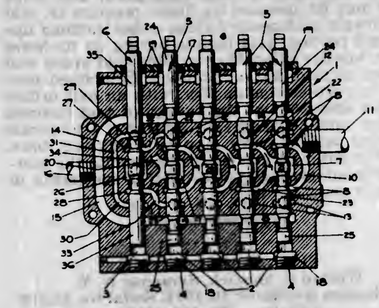


1. A device of the class described including a frame, a steering wheel, an axle for said wheel, an upstanding shaft rigidly connected with said axle, means for vertically adjusting said axle, telescoping tubes keyed to rotate with said shaft while vertically adjustable relative thereto, means holding one of said tubes against all up and down movement relative to said frame, and means for rotating said one tube including a member connected to said one tube.

2,483,651
HYDRAULIC VALVE
Arthur L. Lee, Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application October 25, 1945, Serial No. 624,555
6 Claims. (Cl. 277—57)

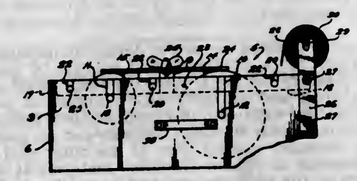
1. A multiple spool hydraulic valve for controlling a plurality of hydraulic motors including a valve body, a plurality of spaced valve bores in said body, a solid type valve spool slidable in each valve bore, each valve bore having a central chamber communicating therewith, a pair of feed chambers communicating therewith and located on opposite sides of said central chamber and normally both communicating with said central chamber when the associated spool is in its neutral position, passageways connecting each central chamber with the pair of feed chambers of an adjacent bore, the above defined construction providing a continuous feed passageway through all of said bores and passageways

with each central bore being fed through a pair of passageways and feed chambers and through a valve bore from opposite sides of the central chamber, each of said valve bores also having a pair of motor chambers communicating therewith and located outwardly of said feed chambers, a pair of parallel drain passageways located outwardly of said motor chambers and communicating with said valve bores, a leakage passageway spaced outwardly of at least one of said drain passageways and communicating with



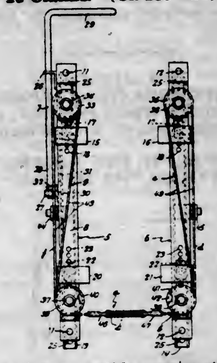
said valve bores, seals for said valve bores communicating with said leakage passageway and through which said spools extend, lands on said spools which continuously isolate said leakage passageway from the pressure of fluid in said drain passageways for all positions of adjustment of said spools, and lands on each spool operative on reverse movements thereof from its neutral position to connect one motor chamber to one of said drain passageways and connect the other motor chamber to a feed chamber.

2,483,652
MOISTENING MACHINE FOR WALLPAPER
Joseph O. Lee, West Allis, Wis.
Application August 7, 1946, Serial No. 688,951
5 Claims. (Cl. 91—51)



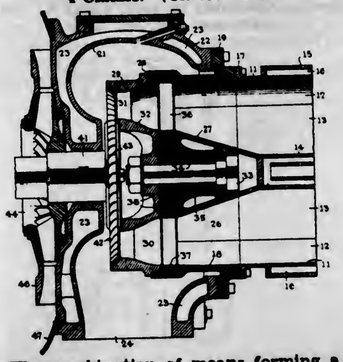
1. A moistening machine for strip paper comprising a tank having a normal liquid level, a moistening roller rotatably carried by the tank partially disposed below the normal liquid level of the tank, a moisture spreading roller rotatably carried by the tank disposed above the normal liquid level of the tank and spaced parallel to the moistening roller, a plurality of guide rollers carried by the tank under which a strip of paper is extended to frictionally bear upon the moistening roller and moisture spreading roller, and means adjustably carried by the tank and extending over the moistening roller and moisture spreading roller for urging a strip of paper against said moistening roller and said moisture spreading roller.

2,483,653
SEAT SLIDE
Walter R. Lustig, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership
Application December 18, 1944, Serial No. 568,622
15 Claims. (Cl. 155—14)



2. In a vehicle seat slide construction, the combination of a pair of laterally spaced substantially horizontal seat slide structures each comprising a fixed bottom rail member on which is supported a relatively movable upper rail member adapted to support an end portion of an elongated vehicle seat, pulleys rotatably mounted on said upper rail members in longitudinally spaced relation, a single continuous equalizing belt element which extends lengthwise of the upper rail members and around said pulleys and in criss-cross relation from the forward pulleys on one of the upper rail members to the opposed rearward pulleys on the other upper rail member, and means for attaching the belt element to each of the lower rail members at a point intermediate the forward and rearward pulleys, whereby movement of either upper rail member results in a corresponding movement of the other upper rail member simultaneously.

2,483,654
EXHAUST TURBINE FOR INTERNAL-COMBUSTION ENGINES
Edward C. Magdeburger, Washington, D. C.
Application December 9, 1944, Serial No. 567,359
4 Claims. (Cl. 253—57)



1. The combination of means forming a plurality of exhaust passages through which succes-

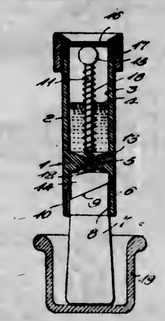
sive independent exhaust puffs occur, the discharge ends of said passages being arranged in circular series; and a multibladed freely rotatable stabilising runner mounted on said means coaxially with said circular series and close to the discharge ends of said passages, said runner being driven by the exhaust puffs, and serving to evacuate the exhaust passages in the intervals between puffs.

2,483,655
AIRCRAFT ARRESTING APPARATUS
Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application July 21, 1947, Serial No. 762,406
11 Claims. (Cl. 244—110)



8. In an aircraft barrier, a rotatable drum, elongated flexible means mounted around the drum connected at one end to the aircraft barrier and anchored to said drum at the other end, brake means adapted to engage said flexible means as it unwinds from the drum, and brake delay means operatively associated between said flexible means and said brake means for a portion of the length of the flexible means.

2,483,656
COMBINED PESTLE AND MERCURY DISPENSING APPARATUS
Frederick F. Marschalk, Augusta, Ga.
Application November 19, 1945, Serial No. 629,364
3 Claims. (Cl. 241—38)



2. In a combined pestle and mercury dispensing means therefor, comprising a tubular plastic substantially transparent handle said handle defining a mercury containing reservoir, said reservoir having adjacent one of its ends a transverse portion defining a combined dispensing opening, a valve stem guide and a valve seat, the upper end of said tubular handle being closed by a stretchable diaphragm, said diaphragm being secured in position by a screw threaded flanged ring, in combination with a valve stem having a valve head on one of its ends and a detachable knob on its other end, said knob being in contact with the diaphragm whereby said valve stem and valve head may be operated by finger pressure on said diaphragm said pestle having a flat inclined upper end portion, said handle having on its lower end a tubular extension receiving said upper end portion of said pestle, including its inclined portion, in further combination with an exit orifice located above but at the bottom of said inclined portion and between said extension and pestle whereby said mercury may be conducted down over the outer surface of the pestle into the mortar without excessive splashing or spattering of the mercury.

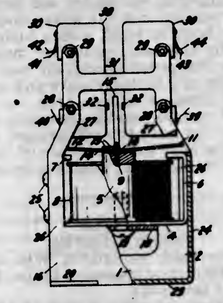
2,483,657
FIRE ALARM DEVICE
Willard C. Messick, Syracuse, N. Y.
Application December 30, 1948, Serial No. 68,282
1 Claim. (Cl. 116—103)



A self-contained fire alarm device comprising a container for a fluid rendered volatile by heat, the container having a threaded coupling in one end thereof and provided with a polygonal portion and an extended threaded portion thereon and formed with an outlet passage and an internally threaded counter-bore at the outer end of the passage, a disk of frangible material at the bottom of the counter-bore and normally closing the outlet, an exteriorly threaded plug of lesser cross sectional diameter than the said coupling fitting into the counterbore and against the disk, clamping the disk against the bottom of the counter-bore, the plug having a passage therethrough in alignment with the said first mentioned passage, the said plug also having a lateral discharge port connecting with the passage therein and extending above the coupling, and a sound device having a whistle outlet spaced above the lateral port screw threadedly engaged with the threaded extension on the coupling and spacedly surrounding the plug and lateral port and in communication with the said passages so that when the disk is fractured by the expansion of said volatile fluid, the fluid from the container passes through the passages in the coupling and

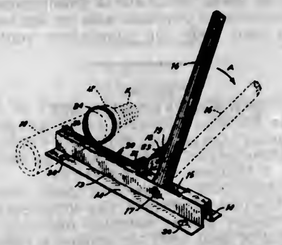
plug and outwardly through the lateral port in the plug to impinge on the interior walls of the sound device and thence to the whistle for effecting an alarm.

2,483,658
POLARIZED ELECTROMAGNETIC RELAY
Charles Frank Miller, Frederick, Md., assignor to Price Electric Corporation, Frederick, Md., a corporation of Maryland
Application December 18, 1945, Serial No. 635,805
2 Claims. (Cl. 175—339)



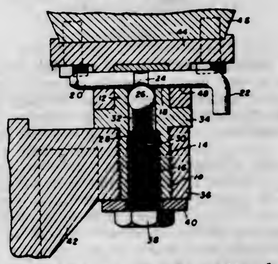
1. A polarized relay comprising a central magnetic core, a substantially U-shaped sheet metal yoke of magnetic material made up of a central member rigidly joined at its center to a first end of the core and two parallel arms extending at substantially right angles from opposite ends of the central member in the same direction as the core, the outer ends of the arms turned inwardly substantially coplanar with the second end of the core and parallel with the central member of the yoke, a flattened U-shaped rectangular polarizing permanent magnet of substantially the same length and width as the said central member and underlying and aligned therewith with the legs of the magnet in engagement with the central member adjacent the two arms of the yoke to oppositely magnetically polarize them, an energizing coil surrounding the core and closely enclosed by the sheet metal yoke member, and an armature pivotally mounted on the second end of the core with its outer ends overlying the ends of the yoke arms.

2,483,659
HOSE FERRULE CLAMPING MACHINE
Robert W. Miller, Denver, Colo.
Application September 3, 1946, Serial No. 694,629
1 Claim. (Cl. 153—1)



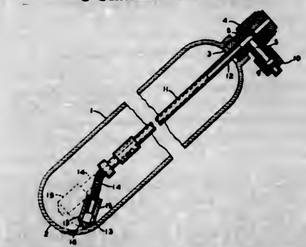
A hose ferrule clamping device comprising an elongated inverted, channel-shaped base member, said base member having an opening in its top adjacent one of its extremities; a clamp screw in the top of said base member adjacent its other extremity; an elongated handle extending at its lower extremity into said opening; a hinge pin extending through the sides of said base member and through the lower extremity of said handle to form a hinge pivot for said handle; a guide tab extending upwardly from said base member between said handle and said clamp screw and provided with two guide slots in its upper edge; two adjacent lengths of flexible wire extending from said clamp screw through said guide slots to said handle; means securing said lengths of wire to said handle above said hinge pin, said wires being bent to form an open loop between said clamp screw and said guide tab; the diameter of said loop varying in consequence of the movement of said handle about its hinge pin; and a pin extending through said guide tab transversely of said base member and over said lengths of wire and acting to retain the latter in said guide slots.

2,483,660
ATTACHMENT FOR MOLD CARRIERS
Harry J. Morris and Lewey Peters, Okmulgee, Okla.
Application April 28, 1947, Serial No. 744,406
4 Claims. (Cl. 49—41)



1. An attachment for mold carriers having a carrier arm, said attachment comprising a connector between a mold and the carrier arm, a locking pin securing the connector to the mold, and having an annular groove, a ball carried by the connector for seating in the groove, spring means holding the ball in seated position, adjusting means for said spring means and means removably securing said connector to said carrier arm.

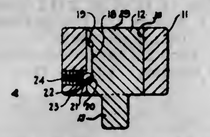
2,483,661
DISCHARGE DEVICE
Charles C. Neas, Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application September 14, 1945, Serial No. 616,387
3 Claims. (Cl. 62—1)



1. Apparatus for the adiabatic discharge of liquified gas under pressure from a container hav-

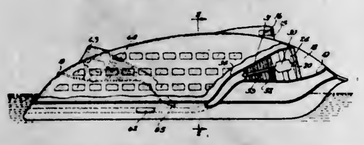
ing a discharge cap, said apparatus comprising a tube secured to said cap and extending into said container, said tube having a rigid section and a flexible section, and a terminal member secured to said flexible section and having an opening in the side thereof near its extremity, said rigid section of said tube having openings therein adjacent to said discharge cap, the combined areas of said last-mentioned openings being of such size relative to the bore of said tube that the pressure drop of gas through said openings at the temperature of the liquified gas is greater than the hydrostatic head of a column of said liquid within said tube extending from the liquid level within the container to said discharge cap.

2,483,662
MACHINE-TOOL ADAPTER
Floyd E. Niederhiser, Cleveland, Ohio
Application March 30, 1946, Serial No. 658,477
2 Claims. (Cl. 279—1)



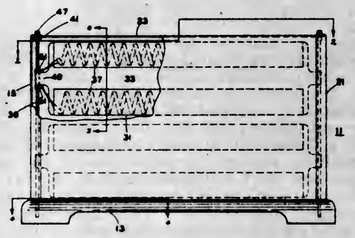
2. A power transmission adapter to transmit driving power from a power wrench shaft to a rotatable tightening socket of a holding device, said adapter comprising a core member and a sleeve member, said core member having a plug portion and a body portion, said core plug portion having a cross-sectional configuration adapted to be inserted in said socket to drive the socket, said body portion having a cross-sectional configuration of greater area than said plug portion, said adapter sleeve member having an opening therethrough, said sleeve being slidably mounted on said core body portion with the opening therethrough adapted to closely receive said core body portion, means to limit the extent of the sliding movement of the sleeve with respect to said core body portion, said sleeve opening and the end of the core body portion forming a wrench shaft receiving socket when said sleeve slidably extends with respect to said core, whereby the adapter may be placed with the said core plug portion in the rotatable tightening socket and the sleeve extended to form the said receiving socket and engage the wrench shaft in drive receiving relationship.

2,483,663
MARINE PROPULSION
Roman Nowak, Chicago, Ill.
Application January 12, 1946, Serial No. 640,856
3 Claims. (Cl. 115—12)



1. A marine vessel comprising a hull having a bottom, the major part of which is substantially straight from bow to stern, excepting an upwardly curved freeboard at the bow, the said bottom being formed with a pair of concavely curved grooves extending longitudinally of the bottom and joined along the center of the bottom by a depending ridge forming a keel, said hull having sides and a roof bluntly curved at the bow and running to a long flat tail at the stern for a minimum air resistance, said hull having a plurality of forwardly open inlets in the blunt roof at the bow, marine propulsion means comprising motor driven airplane propellers in said inlets drawing the air inward and creating a forwardly directed suction to propel the boat, backwardly extending conduits leading from said propellers, leading downwardly toward the bottom of the boat, said conduits having openings backwardly discharging air under the hull into said grooves to react against the water under the hull, to drive the boat forward, and a turbo-compressor driven by the same propeller motor in each conduit, for compressing the air and delivering it to its outlet at a high pressure and velocity and in reduced cross-sectional area, to drive the vessel by jet reaction and by reaction against the water under the hull, the compressed air serving also to lift the boat to the surface of the water, to reduce skin friction and head-on resistance to a minimum.

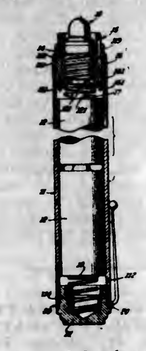
2,483,664
ROOM HEATER
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application September 26, 1946, Serial No. 699,370
1 Claim. (Cl. 219—38)



An electric air heater comprising a substantially rectangular casing, a plurality of spaced rods supported by said casing therein, a thin rectangular metal sheet having integral, return-bent edges along its longer edges, coiled metallic resistance conductors within the return bends of said edges and held thereby in heat-conducting engagement with said sheet, and a thin layer of inorganic, heat-conducting, high-temperature-resisting, electric-insulating material lying between said sheet and coils and being integral with one of them, said metal sheet having integral return-bent portions also at its ends for encircling said rods for supporting said sheet thereon.

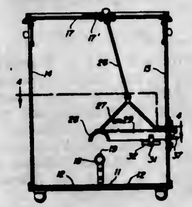
2,483,665
POCKET FLASHLIGHT
Eugene H. Phillips, Glendale, Calif., assignor to Lennan Lights, Inc., Burbank, Calif.
Application August 2, 1946, Serial No. 687,917
9 Claims. (Cl. 240—10.68)

9. In light bulb supporting and switching means of the class described, the combination of: a tubular body; means movably mounted adjacent an end of said body to support a projecting light bulb for limited motion to complete or break an electrical circuit therethrough; holding means associated with said body adapted to engage and hold said support means in a circuit completing position; resilient means operatively connected between said body and said support means to urge the latter out of said circuit completing position and a separately movable release member mount-



ed in said body and having a portion thereof projecting beyond said body for manual operation to disengage said holding means from said support means to break said circuit.

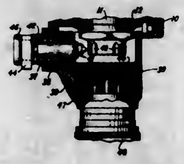
2,483,666
IGNITER FOR GAS HEATERS
Charles P. Price, Boston, Mass.
Application March 25, 1948, Serial No. 16,917
5 Claims. (Cl. 126—85)



1. In combination a gas heater housing, a manifold therein spaced from the front of the housing and parallel thereto, and having upwardly directed burner nozzles, a door opening in the front of the housing, a hood pivotally suspended above and behind the manifold, a branch hood connected with the first named hood and extending to a point near the door and a handle on the branch hood for swinging the latter against the front adjacent the door opening and accessible therethrough and to bring the hood proper over the manifold and its nozzles.

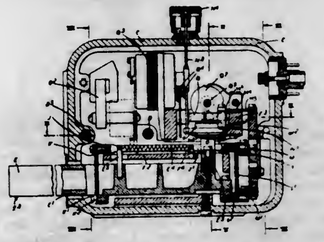
2,483,667
MAGNETO
Rolland M. Purdy, Bainbridge, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application April 24, 1944, Serial No. 532,453
12 Claims. (Cl. 171—209)

1. A magneto generator comprising a housing, a shaft rotatably journalled in said housing, a mounting flange on said housing, said flange having elongated arcuate slots therein with the center of curvature thereof coincident with the axis of rotation of said shaft for receiving mounting bolts, two pairs of axially spaced stator poles in said housing, a pair of magnetic rotors on said shaft adapted to cooperate with said pairs of stator poles, said rotors having circumferentially spaced pole shoes and being secured to said shaft, an ignition coil associated with each pair of said stator poles, splined means on one end of said shaft for operatively coupling the latter with a driving member of an engine, the number of splines on said splined means being



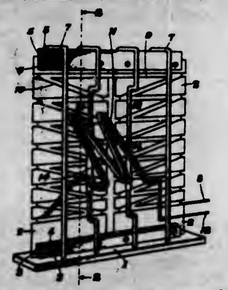
indivisible by the number of pole shoes on one of said rotors, a plunger slidably mounted in said housing and adapted to be moved into any one of a plurality of recesses on said shaft whereby one of said rotors may be held in any one of its "E" gap positions by said plunger, and resilient means for normally holding said plunger out of engagement with said shaft.

2,483,668
APPARATUS FOR MEASURING OR INDICATING ROUGHNESS OR UNDULATIONS OF A SURFACE
Richard Edmund Reason and Donald Roy Berridge, Leicester, England, assignors to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application June 12, 1944, Serial No. 539,862
In Great Britain March 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1963
13 Claims. (Cl. 73—105)



1. A pick-up unit for use in apparatus for measuring or indicating the roughnesses or undulations of a surface, comprising a casing, means whereby the casing can be located in any chosen position relatively to the surface under investigation, a stylus for engaging with the surface, a pick-up head carrying the stylus, a traversing member carrying the pick-up head, link mechanism constituting an interconnection between the casing and the traversing member and comprising a group of mutually pivoted links constituting in effect two straight-line linkages respectively constraining two points of the said member to perform substantially straight-line movements in the same direction, and driving means cooperating with the link mechanism to cause the traversing member and the pick-up head to be traversed over the surface along the straight-line path determined by the link mechanism.

2,483,669
TOAST-MARKING ELECTRIC HEATING ASSEMBLY
Andrew Marshall Reid, Chicago, Ill.
Application December 15, 1945, Serial No. 635,368
2 Claims. (Cl. 219—19)



1. In combination in a toasting device, a heating assembly including a support, an electric heating element positioned upon said support, electrical conductors connected to said heating element, and a member in circuit with said heating element, said member adapted, when it and the said heating element are heated by electrical energy, to become hotter than the said heating element, and toast positioning means, and means positioned to support said member, the toast positioning means and the said member being positioned substantially in the same plane.

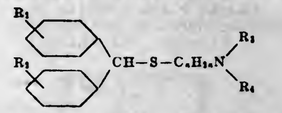
2,483,670
THERMOSTATIC SWITCH
Frank Reingruber, New York, N. Y.
Application January 25, 1945, Serial No. 574,463
2 Claims. (Cl. 200—137)



1. In a thermostat, a cover member open at the bottom and having a top wall and end walls and side walls depending therefrom, a bar member having upturned ears at each end thereof and positioned inside of the cover member with the ears against the end walls thereof, a securing flange extending from each side wall of the cover member, said bar member having strengthening shoulders at each side thereof, extending from one upturned ear to the other upturned ear, said shoulders positioned within the side walls of the cover member, a pair of spaced terminals extending through the top wall to the interior of the thermostat, a spring member mounted on one of the terminals on the inside of the cover member and having a switch contact, a second spring member mounted on the other terminals on the inside of the cover member and having a second switch contact, a resilient control member bent to form a flat platform at the intermediate part of the resilient member, legs extending therefrom downwardly at an angle to the platform and a flat toe at the end of each leg, said toe secured to the bar member between the shoulders, said bar member having a relatively high coefficient of expansion, said resilient member having a relatively low coefficient of expansion, said resilient member at the said platform normally positioned against the second mentioned spring member, said second mentioned spring member tensioned against said resilient member, said resilient member in normal position tensioned against the second mentioned spring member to hold the second mentioned switch contact against the first mentioned switch contact in switch closing position, said first mentioned spring member tensioned away from the second mentioned spring member, each leg being cut out intermediate the toe and the platform to provide a smaller area of metal intermediate the toe and the platform than at any other part of the leg and thereby form an intermediate weakened section, said legs in normal position being straight and unbowed, upon expansion of said bar member, the platform of said resilient member being moved downwardly to cause said second mentioned electrode to move away from said first mentioned electrode, each leg thereby being convexedly bowed.

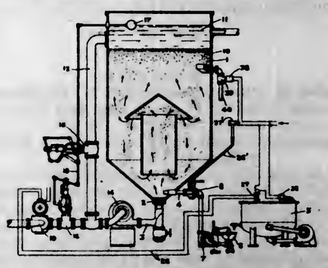
2,483,671
AMINOALKYL BENZHYDRYL THIOETHERS AND THEIR PREPARATION
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 2, 1947, Serial No. 751,964
10 Claims. (Cl. 260—247)

1. A compound of the class consisting of a free base, its quaternary ammonium salts and its acid addition salts, said free base having the formula,



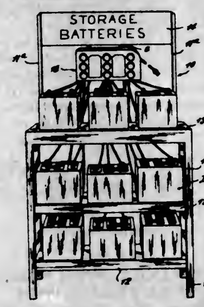
where n is an integer of 2 to 6 inclusive, R_1 and R_2 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy, R_3 is an alkyl radical containing not more than six carbon atoms and R_4 is a member of the class consisting of hydrogen, alkyl radicals containing not more than six carbon atoms and further members wherein R_3 and R_4 taken with $-N<$ form a saturated heterocycle.

2,483,672
WATER TREATING APPARATUS
Merrill P. Robinson, Upper Montclair, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Original application July 13, 1942, Serial No. 450,732. Divided and this application January 8, 1944, Serial No. 517,500
11 Claims. (Cl. 210—16)



1. In a water treating apparatus of the type wherein precipitated foreign matter accumulates in the form of a filter bed for water being treated, the combination of a precipitation tank having an outlet for treated water and having a precipitation space therein, means for delivering raw untreated water into the precipitation space, means for withdrawing precipitated material from said tank to maintain a predetermined depth of the filter bed formed by the precipitation in the tank, means for delivering chemical reagent to said tank and means controlled by the flow of fluid through said chemical reagent delivering means for controlling the withdrawal of precipitation from the tank.

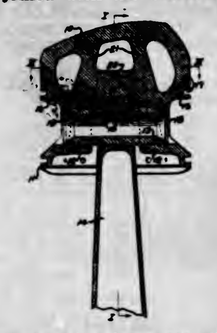
2,483,673
BATTERY CHARGER
Frank M. Robinson and Carsten D. Stein, Minneapolis, Minn., assignors to Jordan Electrical Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application October 2, 1946, Serial No. 700,620
6 Claims. (Cl. 320—48)



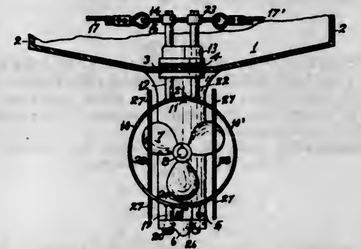
1. An apparatus of the character described comprising a supporting and display stand having one or more shelves for a plurality of storage batteries of the type employed in automobiles, trucks or the like, a battery trickle charging apparatus mounted on said stand and including a plurality of electrical lamps mounted in a conspicuous position on said stand, a plurality of pairs of electrical conductors connected in parallel to the output of said charging apparatus, the number of pairs of said conductors corresponding to the number of said lamps with one of said lamps connected in series with one conductor of each pair of conductors, a battery terminal engaging member connected to the free end of each conductor, each of the members for engaging the negative terminal of a battery comprising a rigid insulating cap having a bore therein of a diameter less than the diameter of the positive terminal of a battery, and a conductive element positioned within the bore of each of said caps and connected respectively with the negative conductor of each pair of said conductors, whereby the connections to a battery cannot be reversed and the charging apparatus cannot be short-circuited by accidental engagement of the positive and negative terminal engaging members when the latter are not connected to a battery.

2,483,674
PISTON
Carl G. A. Rosen and Rollin P. Van Zandt, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 15, 1945, Serial No. 635,321
6 Claims. (Cl. 309—19)

1. A piston for an internal combustion engine or the like comprising in combination with the usual head, skirt and wrist pin bosses, a tie bar extending between the wrist pin bosses, said tie bar being joined with the bosses closely adjacent to their load bearing areas and presenting a relatively large mass of unstressed metal free of contact with said head and skirt.



2,483,675
JET FLOW RUDDER
Garnett G. Sheldon, Ferrysburg, Mich.
Application June 21, 1946, Serial No. 678,252
6 Claims. (Cl. 114—166)

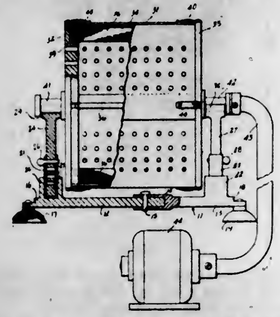


2. In a rudder of the class described, the combination with a power driven boat having a skeg with a rudder shoe fastened to its under side and extending therefrom and a propeller shaft extending from the skeg with a screw propeller mounted on the shaft: a pair of concavo-convex elongated plates in spaced apart relation with their concave side facing each other and a water training plate within to concave of the plate and extending therefrom away from the propeller and each plate having a rudder post extending upward with a steering arm fastened to the rudder post and having a link turnably connected to each steering arm and adapted to swing the said arms in substantially parallel relation to each other.

2,483,676
COLLAPSIBLE SECTIONAL AND PORTABLE WASHING MACHINE
Abraham Slutsky, Brooklyn, N. Y.
Application August 12, 1946, Serial No. 690,259
3 Claims. (Cl. 68—140)

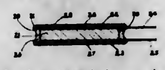
1. A demountable washing machine drum comprising a pair of substantially circular end plates, an axial bearing stud projecting from each end plate, an annular shoulder formed on each end plate on the side opposite the stud, a plurality of equally spaced recesses formed in the annular shoulder, an equal number of identical curved

side plates defining a cylindrical body when their longitudinal edges are successively overlapped, each side plate having an internal cleat secured thereto and extending adjacent one of its longitudinal edges, the cleat being notched adjacent each end thereof to lockingly engage in opposite



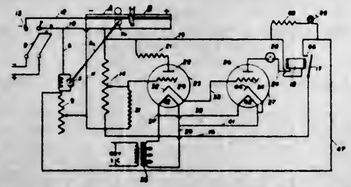
recesses in the shoulders of the end plates, and spring clips pivotally secured to the peripheries of the end plates adjacent the recesses adapted to bear on the overlapped end edge portions of the side plates when the cleats are respectively engaged with said recesses, said end plates and side plates being perforated.

2,483,677
MOISTUREPROOF PIEZOELECTRIC CRYSTAL AND METHOD OF MAKING SAME
Frank Swinehart, Strongsville, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application June 24, 1946, Serial No. 678,713
13 Claims. (Cl. 171—327)



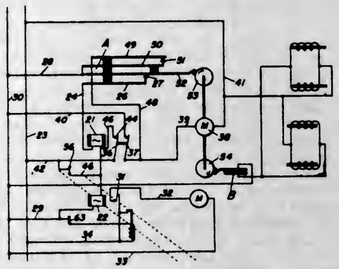
1. A plate of piezoelectric material having two major faces and an edge face therebetween, sheet means connected to at least one of said major faces and extending beyond said edge face substantially throughout the length of said edge face, and a fillet of moistureproofing material against said edge face and against the extending portion of said sheet means in the angle therebetween.

2,483,678
AUTOMATIC SPEED CONTROL OF MOTORS
George W. Switzer, Mill Valley, Calif., assignor of one-fourth to Abe Blumenfeld and one-fourth to Hal D. Neides
Application April 6, 1946, Serial No. 660,090
1 Claim. (Cl. 318—333)



The combination in voltage controlling means, of a motor, a current supply having negative and positive sides, a current consuming apparatus having an adjustable element, a conductive connection between one side of said supply and one terminal of said apparatus, a mechanical connection between said motor and said apparatus for adjustment of the latter, a resistance connected to one terminal of said motor, a conductive connection between said side of the current supply and the resistance, a conductive connection extending from the second side of said current supply and connected to the remaining termini of the apparatus and motor in multiple, a normally open relay having a fixed contact and a movable contact, a conductive connection between one of said contacts and the motor and having connection with the motor between the first mentioned motor terminal and said resistance, a conductive connection between the last mentioned terminus of said apparatus and the remaining relay contact, said relay including a magnet operable when energized to close said contacts, a conductive connection between the second side of the current supply and one terminus of the magnet, a tetrode, a conductive connection between the plate of said tetrode and the remaining terminus of said magnet, a second tetrode, a conductive connection between the grid of the first tetrode and the cathode of the second tetrode, a conductive connection including a resistance and connecting the plate of the second tetrode with the connection to the first mentioned terminal of the magnet, and a conductive connection including a resistance and connecting the grid of the second tetrode to the first mentioned resistance.

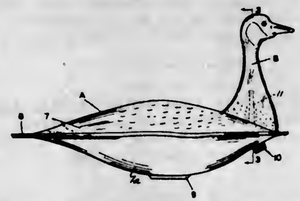
2,483,679
AUTOMATIC CHANGE-OVER FOR MOTION-PICTURE PROJECTION
George W. Switzer, Mill Valley, Calif., assignor of one-fourth to Abe Blumenfeld and one-fourth to Hal D. Neides
Application May 16, 1947, Serial No. 748,535
1 Claim. (Cl. 88—17)



In a device of the kind described, a pair of conductors forming a source of current, a relay magnet having one terminal connected to one of said conductors, a circuit closer having one terminal connected to the other conductor and its other terminal connected to the remaining terminal of said magnet, a motor having one terminal connected to one of said conductors and its other terminal connected to a relay contact, an armature for said magnet cooperating with said contact, and connected to the other conductor, a second relay magnet having one terminal connected through said circuit closer with one of said conductors and its other terminal connected to a contact point, a spring contact normally closed on said contact point and

connected to the other conductor, a second motor synchronous with the first motor, a second relay contact having connection with one of said conductors through said circuit closer, an armature coacting with the last mentioned contact point and connected directly to the last mentioned conductor, a third contact point connected to one of said conductors, a second armature for said second magnet and connected to one terminal of the second motor, said second motor having its other terminal connected to the other conductor, a second spring contact connected to one of said conductors, a fixed contact normally open from the second spring contact and connected to the first terminal connection of the second motor, a normally open circuit closer having one terminal connected to one of said conductors, a pair of translating devices reversely connected in multiple to the second terminal of said last circuit closer, said translating devices being reversely connected in multiple to the other conductor, means operated by the second motor for breaking contact between the first spring contact and its fixed contact and for closing the last open circuit closer, and an electric eye controlled circuit for bridging the terminals of the first mentioned circuit closer.

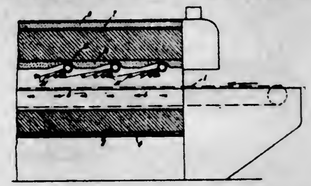
2,483,680
DECOY
Raymond L. Timm and Louis L. Hartshorn, Minneapolis, Minn.
Application July 17, 1946, Serial No. 684,354
3 Claims. (Cl. 43—3)



1. A light weight, collapsible bird decoy comprising an inflatable rubber body, an upwardly projecting stem at the forward upper end of said body and a head-and-neck piece having an opening in its lower portion receiving said stem and turnable to different positions relative to said body about said stem as a pivot.

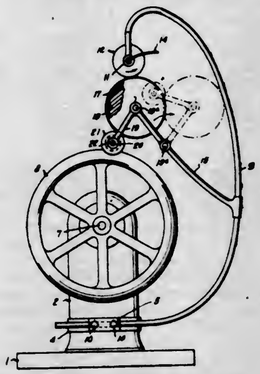
2,483,681
OVEN
Teunis van der Neut, Dordrecht, Netherlands, assignor to Bakovenbouw voorheen H. P. den Boer N. V., Dordrecht, Netherlands, a corporation of the Netherlands
Application July 14, 1947, Serial No. 760,835
In the Netherlands January 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 21, 1966
1 Claim. (Cl. 263—43)

A baking oven having a baking chamber therein, the upper wall of said baking chamber having gutter-shaped recesses therein extending transversely of said chamber, gas burner elements arranged in said recesses longitudinally thereof, said burner elements having gas openings therein arranged at an angle from a vertical plane through said elements, screening means below said burner elements, said screening means comprising a series of bars parallel to said burner elements, said bars being arranged in close relationship immediately below said elements and being gradually spaced farther apart in the direction of the gas openings in said elements the



farther removed said bars are arranged from said elements whereby direct rays of heat from said burners are substantially completely intercepted by said bars.

2,483,682
IRONER
Gertrude C. Watson, Houston, Tex.
Application May 14, 1948, Serial No. 26,969
2 Claims. (Cl. 38—2)

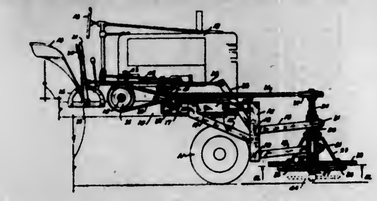


1. Ironing equipment comprising, a support, a momentum wheel thereon, a supporting arm mounted on the support and having a pair of spaced bearings, an ironing roller mounted between said bearings, a forwardly extended bracket mounted on the arm and terminating in spaced bearings and formed with a hinge, a presser roller mounted to rotate between said bearings, spaced arms extending forwardly from the said last mentioned bearings and also having spaced bearings, a driving roller mounted to rotate between the bearings of said spaced arms and in constant contact with the presser roller, said presser roller being movable on said hinge into and out of co-acting relation with the ironing roller.

2,483,683
POTATO VINE CUTTER
Lee Wells and Leo C. Fry, Gering, Nebr.
Application December 10, 1946, Serial No. 715,256
2 Claims. (Cl. 56—25.4)

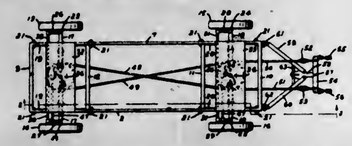
2. In a potato vine cutter of the type having a vertical shaft with a horizontal, radially extending blade mounted thereon, means for causing the cut potato vines to discharge at one side of said blade, comprising: a press plate positioned

above said blade, said plate being higher at one side than the other so that the pressure on the



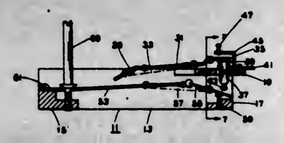
cut vines will be slightly less at the higher side to cause them to discharge at this side.

2,483,684
FOUR-WHEEL TRAILER
Chester Williams, Ypsilanti, Mich., assignor of fifty per cent to Marvin Ray Hannum and fifty per cent to John Sherrod De Tar, both of Milan, Mich.
Application March 29, 1946, Serial No. 658,263
1 Claim. (Cl. 280—102)



In a device of the character described, including a trailer frame, axles resiliently mounted to said trailer frame, and pairs of wheels pivotally mounted on each axle, the combination of transverse bed plates secured to said frame above said axles, each bed plate having a central opening adapted to accommodate a hub, a hub secured to each bed plate, a spindle rotatably mounted in each hub, a pulley mounted for rotation with each of said spindles, a pair of elliptical springs secured to the underside of each pulley, a drag link secured to an arm secured to the underside of each pair of elliptical springs, each of said drag links being adapted to pivot a pair of wheels, and crossed cables connecting one of said pulleys to said other pulley.

2,483,685
IMPACT THERMOSTATIC SWITCH
Philip E. Willman, Chicago, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 13, 1947, Serial No. 747,776
1 Claim. (Cl. 200—138)



A thermostatic switch comprising a pair of fixed contacts, a contact bridging member insulatedly mounted on one end of a toggle arm, a second fixed toggle arm, a tension spring connected to said toggle arms holding said bridging member in close engagement with said contacts, a bimetal bar having one end thereof fixed, constituting one arm of a second toggle, a second toggle arm for said second toggle, a tension spring connecting the arms of said second toggle, said bimetal bar causing snap-acting movement of said second toggle arm of said second toggle into abutment with said contact bridging member at a predetermined temperature and disengagement thereof from said fixed contacts, and a stop for said first toggle arm for preventing it, when said contact-bridging member is so operated, from moving over center.

2,483,686
DRILL BUSHING AND BRACKET ASSEMBLY
George S. Wing, Hermosa Beach, Calif.
Application September 24, 1945, Serial No. 618,152
3 Claims. (Cl. 77—62)



1. A drill guide bushing and bracket assembly for attachment to a template having a pilot opening therein, for the construction of a drill jig, comprising: a drill guide bushing having necked-down annular end portions constituting pilots one of which, in the completed drill jig, is fitted into said pilot opening to accurately position the bushing on the template; and a bracket including an ear for attachment to said template and a part offset from the plane of said ear and having an opening snugly receiving the other of said pilots, whereby in the completed jig the bushing is securely held between said template and said bracket part with its respective ends secured by the retention of said pilots in said openings.

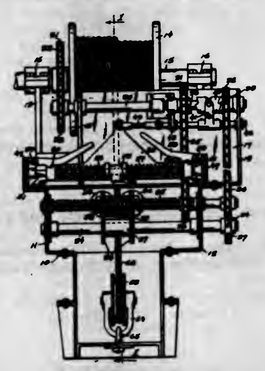
2,483,687
VEHICLE SIGNAL AND DIRECTIONAL LIGHT
Bernard J. Wisuri, Maynard, Mass.
Application March 9, 1948, Serial No. 13,900
1 Claim. (Cl. 177—329)



A vehicle signal comprising a lamp housing including a continuous rectangular sheet of material defining opposed side walls and an upper and lower end wall having front and rear edges, said front edges of the walls terminating in a common plane, the rear edge of the upper end wall being projected beyond the rear edge of the lower end wall, the rear edges of the side walls being slanted inwardly and downwardly from the extended rear edge of the upper end wall to the rear edge of the lower end wall, a partition wall disposed vertically within the walls and extending upwardly from the rear edge of the lower end wall, a plurality of horizontally disposed vertically spaced partition walls extending forwardly of the partition wall and defining lamp compartments, a plurality of lamp sockets disposed

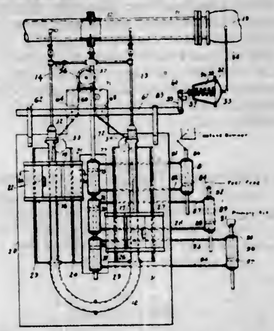
serially in each of said compartments, a front member vertically disposed on said housing and formed with a rectangular integral flange, said flange being secured on the front edges of the walls of the housing, said front member being formed with a plurality of horizontally disposed openings, which are disposed in alignment with the lamp compartments, a red colored lens detachably disposed in one of said openings and closing off one of the compartments and having a "stop" signalling indicia displayed thereon, a green colored lens in a second opening and having a "pass" signalling indicia displayed thereon, an amber colored lens disposed in a third compartment and having a "right" turn indicia displayed thereon; and a red colored lens disposed in a fourth compartment and having a "left" turn indicia displayed thereon.

2,483,688
LEVEL WINDING DRUM
Wallace M. Brown, Seattle, Wash., assignor to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application July 24, 1945, Serial No. 606,738
5 Claims. (Cl. 242—158)



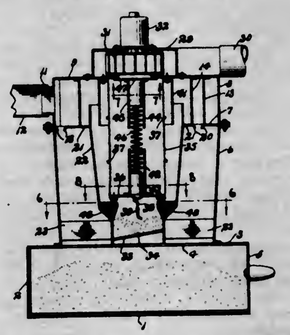
1. In a level-winding drum, the combination with a cable-receiving drum: a clutch shaft driven with the drum; a reversely rotating jack-screw mounted with its axis paralleling that of the drum; a clutch splined on the clutch shaft; driving wheels loose on the clutch shaft and coupled selectively to the clutch by oppositely directed end-wise movements of the latter; a pair of dead shafts disposed to occupy positions adjacent and parallel to the jack-screw; a driving connection, including idler wheels which are carried by each of the dead shafts, drive-coupling one of the driving wheels to the jack-screw for driving the jack-screw in one direction of rotation; a driving connection drive-coupling the other driving wheel to the jack-screw for driving the jack-screw in the other rotary direction; a carriage having means thereon for guiding the cable to the drum and itself guidably supported for reciprocatory sliding movement by the two dead shafts; connection between the jack-screw and the carriage for reciprocating said carriage; and tension devices controlled in their operation by movements of the reciprocating carriage and operable when the carriage has been moved by clutch-driven action of one driving wheel to the carriage's limit of movement in one direction to then shift the clutch and bring the same into engagement with the other driving wheel.

2,483,689
COMBUSTION CONTROL
Ellis Bullock, Birmingham, Ala., assignor to Fly Ash Arrester Corporation, a corporation of Alabama
Application May 18, 1945, Serial No. 594,558
6 Claims. (Cl. 236—24.5)



1. In a control for a steam boiler furnace, a steam supply conduit from the boiler, a manometer tube disposed to register the flow of steam in the conduit by the height of a liquid in the said tube, a motor, photo-electric cells together with light sources therefor for controlling the motor and mounted for up and down movement along said manometer tube by the motor responsive to the rise and fall of liquid in said tube, furnace control devices actuated by the motor, and a device having an element movable responsive to pressure in the boiler and operatively connected to the photo-electric cells to modify their positions.

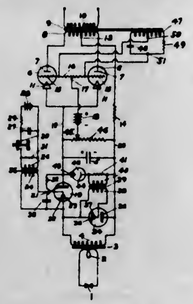
2,483,690
DUST COLLECTOR
Albin A. Carlsen, Minneapolis, Minn.
Application September 9, 1946, Serial No. 695,598
4 Claims. (Cl. 183—37)



1. A dust collector comprising a vertical cylindrical chamber having a top with a central opening therein, a dust receptacle communicating with the bottom of said chamber and closed to the exterior, an annular conduit in the upper part of said chamber having air passages in its lower side, an air inlet passage for said annular conduit, a vertical generally cylindrical shell having open top and bottom, the upper end of said shell being located within and spaced from said annu-

lar conduit and above the bottom thereof and the bottom of said shell communicating with said dust receptacle, a movable closure for the bottom of the shell, a second cylindrical shell surrounding said opening in the top of the chamber and extending downwardly into and spaced from the upper end of said first shell, an air filter extending downwardly from the top of the chamber through said second shell and into said first shell and spaced from both shells, the upper end of said filter communicating with said central opening in the top of the chamber, an exhaust conduit communicating with said central opening, and means for exhausting air through said exhaust conduit.

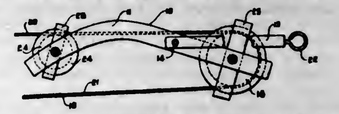
2,483,691
CONDENSER WELDING SYSTEM
John W. Dawson, Auburndale, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 6, 1940, Serial No. 312,712
17 Claims. (Cl. 320—1)



1. A system comprising condenser means to be charged to a predetermined voltage for storing electrical energy, a source of direct current for charging said condenser, said source comprising a rectifying space discharge tube having a control electrode, the voltage of which controls the starting of a discharge through said tube for each alternating current cycle, means for causing the voltage on said control electrode to vary in accordance with the voltage on said condenser means to stop conduction through said tube when said voltage has risen to a predetermined value, the voltage of said source being substantially greater than said predetermined voltage, whereby a substantial increment of charge is supplied to said condenser for each cycle of said alternating current source, means for impressing on said electrode voltage an alternating voltage displaced in phase from the voltage of said alternating current source, whereby the size of said increments as the voltage on said condenser approaches said predetermined value is decreased, a load circuit, and means for discharging said condenser to supply a pulse of current to said load circuit.

2,483,692
CLOTHESLINE TIGHTENER
Thelma Maude Day, Egmont, British Columbia, Canada
Application December 9, 1946, Serial No. 715,031
9 Claims. (Cl. 211—119.15)

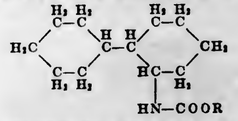
5. A clothes line tightener comprising an arm, a supporting member pivotally connected to the arm at a point spaced from its ends, a pulley mounted on the arm adjacent one end thereof around which a clothes line having an upper and a lower run may extend, a pulley mounted on the



arm adjacent the opposite end thereof over which the upper run of the line may extend, and means associated with each pulley for keeping the line thereon.

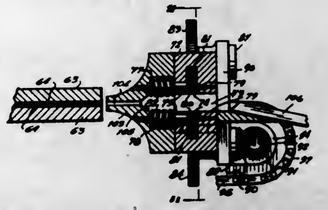
2,483,693
ALKYL N-(ORTHO-BICYCLOHEXYL)-CARBAMATES
Elmer H. Dobratz, Clayton, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 30, 1948, Serial No. 57,630
5 Claims. (Cl. 260—468)

1. As new chemical compounds, the alkyl N-(o-bicyclohexyl)-carbamates of the type,



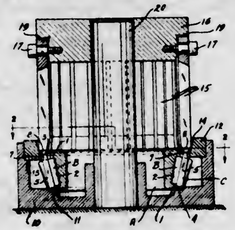
wherein R represents an alkyl radical containing at least one and not more than 12 carbon atoms.

2,483,694
MACHINE FOR FABRICATING RADIATOR FINS
Thomas B. Echols, Fort Worth, and Robert V. Howell, Dallas, Tex.; said Howell assignor to said Echols
Application January 31, 1947, Serial No. 725,638
3 Claims. (Cl. 153—2)



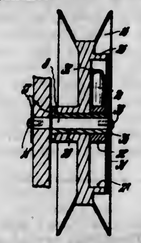
1. In a machine for forming fins for radiators from a strip of metal, in combination with a base having a pair of coacting rotary dies supported thereon, a pair of guide plates for guiding said strip between said dies, removable means on said dies perforating said strip and forming impressions therein, a pair of stripper plates adjacent said die members opposite said guide plates stripping said strip from said dies, a folding mechanism supported on said base and comprising upper and lower sets of parallel rotary helically grooved elements having their axes aligned with said strip whereby to automatically form said strip into narrow folds as the same is advanced by said dies when the strip is manually projected into one of said sets of elements, means for rotating said dies and folding elements, and means for adjustably synchronizing said dies and said folding elements.

2,483,695
PROCESS OF ASSEMBLING A SELF-CONTAINED ROLLER BEARING CAGE, ROLLER, AND RACEWAY UNIT
Herbert C. Edwards, Canal Fulton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 16, 1946, Serial No. 710,261
3 Claims. (Cl. 29—148.4)



1. The process of assembling a conical roller bearing cage comprising large and small end rings connected by a circular series of conically disposed bridges integral at their converging ends with said small ring and extending at their conically disposed diverging ends through a circular series of conically disposed openings extending through said large ring which consists in initially making said large ring of diameter larger than that of the finished cage and with the converging ends of said conically disposed openings disposed in a circle of larger diameter than the circle of the diverging ends of said bridges, positioning said initially formed large ring with its openings in register with said diverging ends of said bridges, and then forcing said initially formed ring axially of said small ring to cause the diverging ends of said bridges to enter said openings while reducing the diameter of said large ring to that required for the finished cage without changing the spacing or angularity of said conically disposed bridges.

2,483,696
FISHLINE REEL
Max S. Giera, Chicopee, Mass., assignor of one-third to Joseph M. Lichwala, Springfield, Mass., and one-third to Theodore Bresowski, Chicopee, Mass.
Application April 14, 1947, Serial No. 741,221
2 Claims. (Cl. 242—99)



1. A fish line reel apparatus comprising in combination, a support, a shaft fixed to and extending forwardly from said support, a drum rotatable on said shaft having an annular rim extending from the forward side thereof provided with an inner circumferential wall disposed concentrically relative to the axis of rotation of said drum, a hub within the confines of the rim rotatable relative to said drum having radially extending arms provided with longitudinal bores, friction members in and extending outwardly from said bores in engagement with said wall, springs in said bores urging said friction members outwardly, a cover plate over said rim having an outwardly projecting handle, and means securing said cover plate to said arms, all adapted and arranged whereby the support may be grasped in one hand and the handle of the cover member grasped by another hand for rotating it so that the drum is rotated through the friction members or the drum may be rotated relative to the cover member and against the action of the friction members by holding the cover member against rotation.

2,483,697
CLAMPING DEVICE
John E. Giles, Diablo Heights, C. Z.
Application March 12, 1946, Serial No. 653,887
16 Claims. (Cl. 90—59)

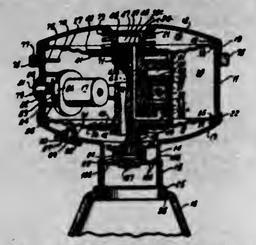


9. A device for clamping a workpiece upon a magnetic chuck comprising, a plate of magnetic material adapted to be securely held by the chuck, a beveled edge on said plate, a bar of non-magnetic material, two beveled edges on said bar, a second bar of magnetic material adapted to be drawn to the chuck, two beveled edges on said second bar adapted to engage respectively the beveled edge of the plate and one beveled edge of the first bar, a third bar of magnetic material adapted to be drawn to the chuck and to engage the workpiece, a beveled edge on the third bar adapted to engage the other beveled edge of the first bar, a rod, resilient means acting longitudinally of the rod to urge the plate and bars into mutual engagement, and other resilient means acting transversely of the rod to urge the plate and bars into staggered relationship, the beveled edges inducing lateral thrusts upon the three bars in opposition to the first-named resilient means as the second and third bars are drawn to the chuck in opposition to the second-named resilient means, the lateral thrusts being additive to clamp the third bar against the workpiece.

2,483,698
RESUSCITATOR
Monroe Harry Goodner, Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J., a corporation of New Jersey
Application October 24, 1947, Serial No. 781,903
25 Claims. (Cl. 128—29)

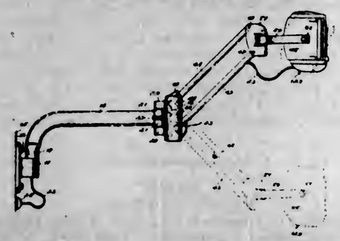
1. A resuscitator comprising a casing, a pair of spaced flexible diaphragms dividing the interior of said casing into three chambers, a floating valve housing suspended by said diaphragms, said housing having a cylinder therein whose axis is perpendicular to said diaphragms, a gas inlet coupling extending into said casing between said diaphragms and a flexible gas conduit within said casing connecting said inlet coupling to said cylinder, said floating housing carrying a pair of gas passages communicating with the respective ends of said cylinder, a valve closure element slidable in said cylinder and a support arm therefor supported on said inlet coupling and extending

through said flexible gas conduit into said cylinder, whereby axial movement of said floating valve housing will shift said valve closure element between the ends of said cylinder, alternatively to close said respective gas passages, said valve housing including a Venturi passage extending between the middle one of said three chambers and a second of said chambers, and a first Venturi jet fed by the one of said gas passages which is closed by movement of said valve housing in a direction away from said second chamber and a second



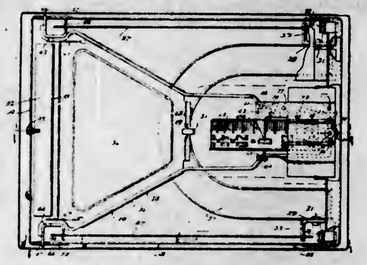
Venturi jet fed by the other of said gas passages, said first Venturi jet being directed into said Venturi passage to drive gas from said middle chamber to said second chamber and said second jet being directed into said Venturi passage to drive gas from said second chamber into said middle chamber, a gas administering conduit extending from said second chamber, said casing having an atmospheric opening into the third of said chambers, and a gas escape valve leading out of said middle chamber.

2,483,699
MOUNTING MECHANISM FOR DENTAL LAMPS
Ernest H. Greppin, Rochester, N. Y., assignor to Wilmot Castle Company, Rochester, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,850
10 Claims. (Cl. 248—292)



1. A dental lamp mounting mechanism including a fixed support, two elements pivotally connected to each other and to said support to swing substantially horizontally relative to each other and to said support on substantially vertical pivotal axes, one of said elements being mounted also for substantially vertical swinging movement relative to the other of said elements about a substantially horizontal pivotal axis, means including a cam associated with said substantially horizontal axis and a spring pressed follower roller engaging and rolling on said cam for counter-balancing the upward and downward swinging movements of said vertically swingable element, and a lamp holding member mounted on that one of said elements which is remote from said fixed support.

2,483,700
WEIGHT SCALE
Marius H. Hansen, Chicago, Ill., assignor to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1944, Serial No. 539,616
3 Claims. (Cl. 265—68)



2. In a weight scale, the combination of a base having outer side walls with bearing recesses formed in their upper edges, a platform having depending side walls inset from said outer walls and having bearing recesses formed in their lower edges, and a lever interposed between said platform and base, said lever including U-shaped pivot plates having arms of unequal length, said pivot plates each having a downwardly facing knife edge on the longer arm thereof pivotally engaged in one of the recesses of the base and an upwardly facing knife edge on the shorter arms thereof engaged in a recess of the platform, said short arm of each U-shaped pivot plate being engageable with the adjacent side wall of the base to prevent lateral displacement of the lever.

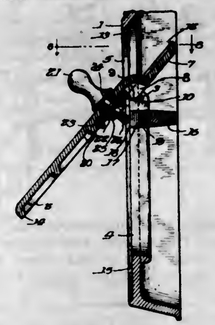
2,483,701
POLISHING COMPOSITION
Thomas G. Hawley, Jr., Bernard J. Kummer, and John W. Barnes, Jr., Chicago, Ill., assignors to The Diversey Corporation, a corporation of Illinois
No Drawing. Application February 26, 1947, Serial No. 731,048
7 Claims. (Cl. 260—22)

3. The method of making a wax composition which comprises mixing by weight of the composition, about 6.10% of a wax, about 4.05% of a rosin-maleic anhydride-glycerine resin containing from 72.8 to 86.0% by weight of rosin, 5.0 to 14.1% of maleic anhydride and 9.0 to 13.1% glycerine, and about 1.80% of oleic acid, heating and stirring to blend the mass into a homogenous mixture, adjusting the temperature to about 205–210° F., adding about 1.05% monoethanolamine, adding about 43% water at about 205–210° F., stirring while holding the temperature at approximately 200° F. until the solids are completely emulsified, and adding about 44% water at room temperature and cooling the emulsion.

2,483,702
DRAFT CONTROLLING FURNACE DOOR ACTUATING MEANS
John Kacena, Chicago, and Edward E. Kelly, Oak Park, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 9, 1945, Serial No. 592,900
10 Claims. (Cl. 110—175)

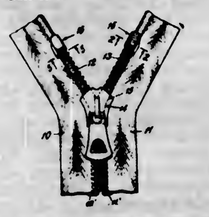
1. Door actuating means, the combination comprising a substantially vertical wall member having an aperture therein, a substantially vertically

suspended door having an inwardly projecting movable portion within the aperture of the said wall member, supporting means on the wall member for the said door, said supporting means having shoulders for engaging the said vertically suspended door whereby the latter member is pivotally mounted upon said wall member on a horizontal axis above the center of gravity of the door, bridge means spanning the apertured portion of the said wall member, the said bridge means having an inclined surface directed toward the door inclined in a longitudinal direc-



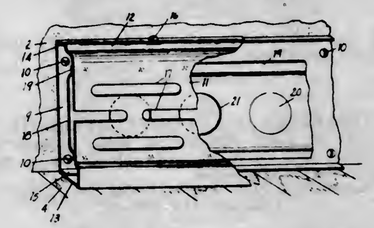
tion thereof from a point spaced rearwardly away from the door forwardly to a point more nearly adjacent the door for sliding engagement by the said inwardly projecting portion on the said door, means transversely movable relative to the said door for actuation of said inwardly projecting movable portion relative to the inclined surface of the said bridge means, whereby upon transverse movement of the said door actuating means the said door is swingable about said pivot axis away from the vertical plane to uncover the wall member aperture.

2,483,703
SLIDE FASTENER TOP STOP
Robert C. Legat, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., Kensington, Conn., a corporation of Connecticut
Application July 9, 1948, Serial No. 37,849
4 Claims. (Cl. 24—205.11)



1. A slide fastener stringer comprising a flexible tape, fastener means mounted on a longitudinal edge of said tape and consisting of a spirally-coiled wire, and a stop member at the upper end of said fastener means for limiting the movement of a slider on the stringer, said stop member having a central body portion and two side portions, said body portion and the upper ends of said side portions being bent about a plurality of the coils of said spiral wire and forming a cylindrically-shaped housing tightly enclosing such coils, the lower ends of said side portions being disposed in substantially parallel relation and clamping the material of the tape therebetween, and said stop member having two end portions attached to the ends of said body portion and closing the ends of such cylindrically-shaped housing.

2,483,704
AIR CONDITIONING SYSTEM AND REGISTER
Robert L. Leigh, Grand Rapids, Mich., assignor to Air Control Products, Inc., Coopersville, Mich., a corporation of Michigan
Application June 4, 1946, Serial No. 674,318
4 Claims. (Cl. 98—33)

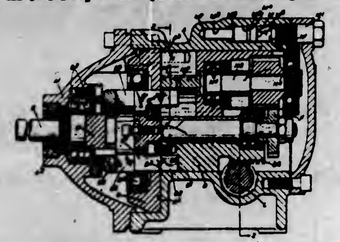


1. A heating system for a walled space to be heated comprising a horizontally elongated hot air register disposed at the bottom of one wall, a horizontally elongated cold air register disposed at the bottom of an opposite wall, said registers constituting baseboard elements for the entire length of the walls and each having a plurality of rows of horizontally elongated apertures in the face thereof spaced longitudinally throughout the length thereof, the apertures of adjacent rows being staggered and overlapping, and a baffle secured to the inner side of the face of each register to embrace the apertures thereof and spaced inwardly therefrom, the baffles having a longitudinal series of knock-out portions selectively knocked out to provide a series of delivery air flow openings arranged to promote approximately uniform flow of air throughout the length of the registers the disposition of the hot and cold air registers as base board elements throughout substantially the length of opposed walls facilitating a substantially uniform blanket of hot air across the entire floor from the hot air register to the cold air register.

2,483,705
ROTARY ENGINE, PUMP, AND THE LIKE
Francis Benjamin Levetus, Allesley, Coventry, and Edward Harry Johnson, Coventry, England, assignors to The Keelavite Company Limited, Allesley, Coventry, England, a company of Great Britain
Application August 25, 1942, Serial No. 456,060
In Great Britain September 16, 1941
7 Claims. (Cl. 103—125)

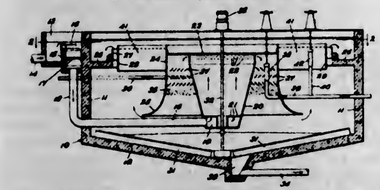
1. In a rotary engine the combination of a blade chamber comprising inner and outer circumferential walls and annular end walls and provided with inlet and outlet ports, a rotor, blades carried by said rotor and extending into the blade chamber, an abutment extending across the blade chamber between the inlet and outlet ports, an outer casing within which said parts lie, and means for maintaining within said casing during operation of the rotary engine a fluid pressure substantially greater than the pressure outside the chamber and lying between that at the inlet port and that at the outlet port, said

means being responsive to variations from normal in the respective pressures existing at the in-



let and outlet ports to vary the pressure maintained within said casing.

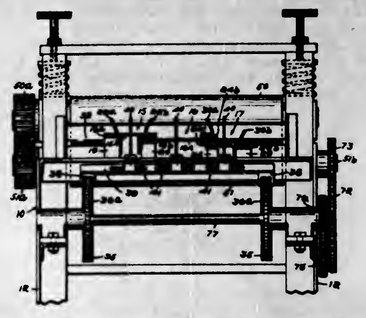
2,483,706
APPARATUS FOR CLARIFYING LIQUIDS
Arthur C. Lind, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 6, 1944, Serial No. 538,951
1 Claim. (Cl. 210—2)



In apparatus for treating an impure liquid to separate therefrom suspended oily and greasy impurities having a specific gravity approximately equal to that of the liquid whereby they will neither readily rise to the surface nor settle to the bottom thereof: a tank for containing a body of the liquid; a tubular feed well disposed below the surface of such body of liquid and having egress ports in its upper portion; a mantle closing the top and surrounding the sides of said feed well in spaced relation thereto to provide a segregated scum zone in the body of liquid out of contact with the external atmosphere; means for introducing into said zone a solvent for said oily and greasy impurities having a lower specific gravity than the latter; means for supplying raw impure liquid to the bottom of said feed well for passage through the ports thereof into said zone to bring the oily and greasy impurities suspended in such liquid into contact with the solvent in the zone, whereby the said impurities may have their specific gravity lowered and thereby be retained in the zone while the freed liquid passes therethrough; means for discharging such freed liquid; and means for withdrawing accumulations of the lighted impurities from the zone.

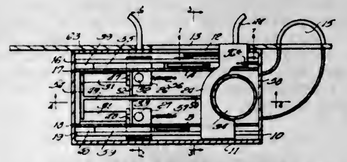
2,483,707
MACHINE FOR ASSEMBLING SHEET MATERIAL
Earl E. Magee, Middleton, Mass., assignor to Morris Rosenthal and Earl E. Magee, copartners, doing business as Star Die and Supply Company, Lynn, Mass.
Application April 16, 1947, Serial No. 741,926
5 Claims. (Cl. 154—42)

1. A machine for assembling sheet material, comprising a frame, tracks extending longitudinally of said frame for receiving and guiding strips of material to be assembled, said strips having adhesively coated adjacent edges, an endless chain mechanism traversing the machine longitudinally thereof beneath said tracks, fingers



carried by said chain mechanism for advancing the strips along the tracks, and a pair of presser rolls for receiving said strips from the tracks and pressing them together along the adjacent edges.

2,483,708
COIN CHANGER
Sam May, Dallas, Tex.
Application March 3, 1947, Serial No. 732,076
5 Claims. (Cl. 194—80)

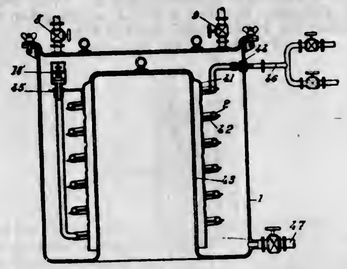


1. A change maker comprising parallel coin receiving grooves, a change magazine, slidable coin ejector plates below said magazine whose relative thicknesses predetermine the number of coins discharged thereby from said magazine, a spring tensioned operating plate slidable in said grooves having lugs depending into the latter, means for directing coins of predetermined value into respective coin grooves, in advance of said lugs, means having independent operative connection with said ejector plates against which coins are moved in said grooves for retracting both of said ejector plates by one coin and a single plate by a coin of lower value, said plates, upon their return under spring tension, being effective to discharge coins from said magazine in value corresponding to that of the operative coin in one of said grooves.

2,483,709
APPARATUS FOR VULCANIZING TUBULAR ARTICLES
Jean-Felix Paulsen, Paris, France
Application March 19, 1945, Serial No. 583,445
In France June 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 1, 1963
3 Claims. (Cl. 18—6)

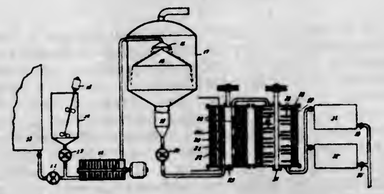
1. A vulcanizing machine for flexible elongated tubular articles each having at least two

ends comprising a pressure-resisting container provided with a removable cover; a removable vertical support within said container; means on said support engaging negligible surface areas of said articles to carry the flexible tubular articles to be vulcanized in helicoidal spaced formation substantially co-axial with said support; means on the bottom of said container to carry said removable support; means to force a hot



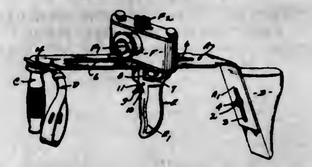
liquid under pressure directly into one end of said articles from the exterior of said container so as to contact substantially the entire inner surface areas of said articles; means to discharge liquid from the other end of said articles into said container for contact with substantially the entire exterior surface areas of said articles; and means to discharge liquid from said container.

2,483,710
APPARATUS FOR BLEACHING FATTY SUBSTANCES
Adrian A. Robinson, Indianapolis, Ind., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application August 17, 1944, Serial No. 549,921
11 Claims. (Cl. 210—42.5)



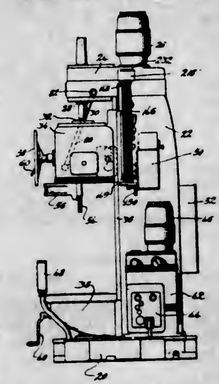
1. Apparatus for accomplishing bleaching of a flowable oleaginous material comprising a source of supply of such material, a source of supply of a bleaching agent, and converging conduit means for establishing a flowing stream composed of a mixture of such material with such bleaching agent, means for subjecting a section of said stream to subatmospheric pressure substantially at atmospheric temperature, whereby occluded air therein will be extracted therefrom, and means for subjecting a section of the stream beyond said first-named section of said air-freed mixture to heat sufficient to result in bleaching of the oleaginous material.

2,483,711
CAMERA HOLDER
Leonard H. Rees, Burbank, Calif., assignor to Micro-Engineering Corporation, Los Angeles, Calif., a corporation of California
Application October 14, 1946, Serial No. 703,197
2 Claims. (Cl. 95—86)



1. A camera holder comprising: a flat bar; a shoulder rest provided at the rear end of said flat bar; a hand grip extending downwardly from the front end of said flat bar and rigidly secured to the bar; a second hand grip extending downwardly from said bar and longitudinally adjustable thereon, the last mentioned hand grip being connected with the camera and carrying means for locking the camera to the aforesaid bar and for operating the camera shutter.

2,483,712
MACHINE TOOL
Robert A. Schafer, Richmond, Ind., assignor to National Automatic Tool Company, Inc., Richmond, Ind., a corporation of Indiana
Application May 4, 1945, Serial No. 591,961
3 Claims. (Cl. 77—32)



1. In an automatic machine tool having a stationary part and a movable part, one of said parts having means for supporting the work and the other of said parts carrying tools for performing machining operations upon the work, motor means for relatively moving said parts, and means for controlling said motor means comprising: a cam bracket carried by one of said parts, a plurality of cam operated switches mounted upon the other of said parts, said cam bracket comprising a rotatable element having a plurality of faces, a plurality of longitudinally extending T slots in each of said faces, a plurality of cams adjustably secured to said bracket in said slots, manually operable means for rotating said bracket selectively to bring the cams on one of the faces thereof into cooperative relation with respect to the cam operated switches; a rotary position switch operated by rotation of said bracket;

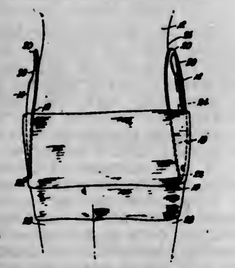
and control circuits including said cam operated switches and said rotary switch for determining the character of an automatic operating cycle to be performed by the machine.

2,483,713
COMBINED PIPE WRENCH AND VISE
Edgar Seaver, Burr Oak, Mich.
Application November 3, 1947, Serial No. 783,700
17 Claims. (Cl. 81—53)



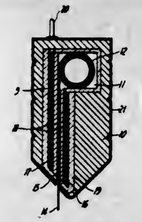
13. A wrench comprising a body member, spaced parallel pivots carried by said body member, an upper jaw having a threaded arm portion, a thumb nut adjustably receiving said arm portion on said upper jaw, a guide member engaged with said thumb nut and pivotally connected to one of said pivots at a point on said guide member spaced from said arm portion and the axis of said nut, the axis of said one pivot being perpendicular to a plane containing said arm portion and being offset from said arm portion whereby said nut and said arm portion can swing bodily about said one pivot, a lower jaw having a sliding connection with said arm portion of said upper jaw, and a link having one end pivotally connected to said lower jaw and its other end pivotally connected to said other pivot on said body.

2,483,714
GIRDLE APPLYING DEVICE
Edward W. Shaffer, Wichita, Kans.
Application March 31, 1947, Serial No. 738,416
3 Claims. (Cl. 223—111)



1. A girdle applying device of the character described comprising an elongated member adapted for insertion between the girdle and the body of the wearer of the girdle as said girdle is being shifted to an operative position, said member being transversely and longitudinally arched to conform to the contour only of that portion of said body of the wearer adjacent the hip.

2,483,715
APPARATUS FOR PRODUCING SURGICAL SPLINTS OR CASTS
Philip O. Solon, Oakland, Calif.
Original application September 23, 1946, Serial No. 698,836. Divided and this application November 26, 1946, Serial No. 712,273
3 Claims. (Cl. 219—19)



1. An applicator or dispenser for a thermoplastic strip comprising a casing having a chamber formed therein to receive a roll of plastic strip, said casing having a passageway of dimensions conforming to the dimensions of the strip, said passageway leading from said chamber through one end of the casing, and heating elements adjacent said passageway to create sufficient heat as the strip is drawn through the passageway to soften the same to a pliable condition.

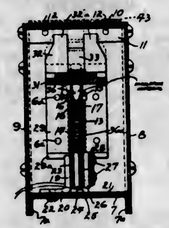
2,483,716
BELT
Thomas F. White, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application May 11, 1946, Serial No. 669,011
1 Claim. (Cl. 74—233)



In an endless V-belt of the type having a core of substantially inextensible tension elements enclosed in a body of rubber composition, the combination therewith of at least one covering layer formed from a single cord wrapped helically around the belt, successive convolutions of the cord being juxtaposed in substantially abutting relationship, and an elastic agglutinant interconnecting the convolutions adapted to permit separation of adjacent portions thereof at the outer periphery of the belt when the outer surface thereof is elongated during the passage of the belt around a pulley.

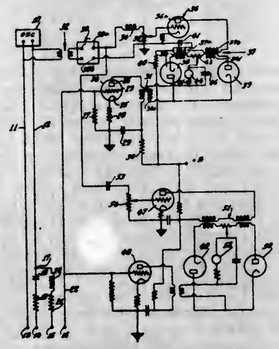
2,483,717
MAGNETICALLY OPERATED SWITCH
Paul W. Zacek, Chicago, Ill., assignor to Caspers Tin Plate Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1944, Serial No. 545,123
7 Claims. (Cl. 200—87)

7. In combination in a magnetic switch adapted to be used below the supporting run of a conveyor for detecting the passage over the switch of a ferromagnetic object, a support, a pair of opposed upwardly extending normally closed switch elements adapted to be connected in an electrical circuit and carried by said support in a fixed position and being separable by engagement of the upper end thereof for opening the circuit, a permanent magnet block, means for supporting said magnet block directly above said switch contact elements, and a contact element separating stud fixedly secured to and depending below the



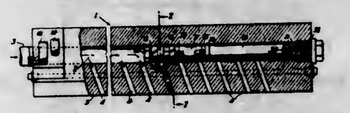
magnet block and in the lowermost position of the magnet block separating said switch elements, the magnet block being movable solely gravitationally downwardly, but being movable upwardly in response to the magnetic attraction of a ferromagnetic article passing over the switch, and said magnetic block automatically dropping back to the lowermost, switch element separating position thereof in the absence of a ferromagnetic article above the switch.

2,483,718
PHASE SELECTIVE SIGNAL TRANSMISSION SYSTEM
Charles B. Aiken, Houston, Tex., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application February 28, 1946, Serial No. 651,013
14 Claims. (Cl. 177—353)



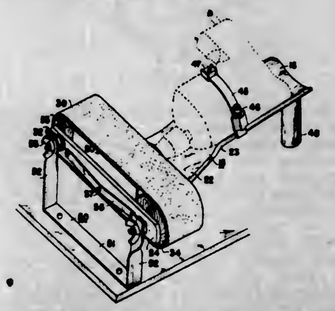
11. A method of obtaining separate indications of at least one of two superimposed alternating current signals that are substantially in phase quadrature, comprising providing a standard periodically variable voltage having substantially the same phase as one of said signals but of substantially constant greater amplitude, combining said two signals and said standard voltage so that the amplitude of said combined signals and voltage varies in accordance with said one signal but is not substantially affected by said other signal of quadrature phase, and utilizing said combined signals and voltage to produce effects in accordance with said one signal.

2,483,719
GAS TORCH
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application July 13, 1945, Serial No. 604,737
2 Claims. (Cl. 158—27.4)



1. A gas torch having a tip of the elongated block type provided with a longitudinal gas distributing chamber and a longitudinally extending set of jet passages leading from the distributing chamber to the discharge face of the tip, means for supplying gas to the distributing chamber at one end thereof, a piston device adapted to be inserted into the distributing chamber from its opposite end, said piston device including a piston and a detachable piston rod, the piston device being insertable wholly within said distributing chamber, and a member detachably connected to the tip at the end of the distributing chamber and constituting an abutment for the outer end of the piston rod, said piston rod being of a predetermined length whereby when the piston device is inserted into the distributing chamber with the outer end of the piston rod in engagement with said detachable member the piston device extends a predetermined distance into the distributing chamber to shut off communication between the distributing chamber and a predetermined number of the jet passages at the corresponding end of the tip and whereby the piston rod may be disconnected from the piston and replaced by a piston rod of a different length so that the piston device will then shut off communication between the distributing chamber and a different predetermined number of said jet passages.

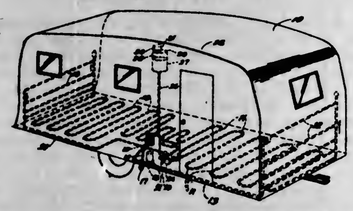
2,483,720
PORTABLE BELT TYPE SANDING DEVICE
Edward M. Asbury, Wilkinsburg, Pa.
Application November 8, 1947, Serial No. 784,833
7 Claims. (Cl. 51—135)



6. In a portable belt type sander, a bar-like support, spaced spindles secured to such support, means for adjusting at least one such spindle

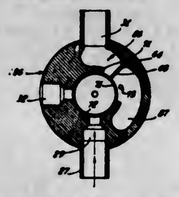
toward and from the other, rollers mounted on such spindles, an abrasive belt carried by such rollers, a bar flexing member having its ends secured to such bar adjacent such spindles and which, intermediate its ends is spaced from such bar, and an adjusting screw threaded through such member adjacent its center and bearing on such bar whereby, by tightening such screw such bar can be flexed for the purpose of causing the axes of such rollers to converge sufficiently to prevent said belt from moving laterally off such rollers.

2,483,721
HEATING VEHICLES AND THE LIKE
Charles H. Becker, Ironwood, Mich.
Application June 14, 1946, Serial No. 676,637
1 Claim. (Cl. 237—43)



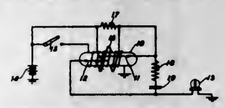
In an automobile trailer coach having a closed wheel-equipped body and a floor, a continuous heating-fluid tubing extending below said floor along one-half the length thereof and disposed in parallel lengths extending transversely of said coach and connected by round bends, a similar tubing extending along the other half of said floor, a motor-driven pump supported in said coach intermediate said sets of tubing and communicating therewith for supplying heating fluid through each set of tubing, and reflector sheet material supported in said coach below said tubing.

2,483,722
OXYGEN VALVE
Vivian Ray Bennett, Pasadena, Calif.
Application May 2, 1945, Serial No. 591,571
18 Claims. (Cl. 137—153)



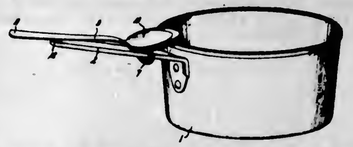
1. In intermittent pressure breathing apparatus, a device for controlling gas flow comprising a housing having a gas inlet port, an outlet port, a breathing port, and a breathing duct communicating with said breathing port, a valve within said housing movable optionally to inspiration position connecting said breathing duct to said inlet port, to expiration position connecting said breathing duct to said outlet port, or to neutral position wherein said inlet and outlet ports are both closed, and means actuated by gas moving within said breathing duct toward said breathing port for moving said valve to said inspiration position and by gas moving within said breathing duct away from said breathing port for moving said valve to said expiration position, said valve-moving means during the initial phase of the movement of said valve from said neutral position being actuated by the static pressure of said gas and, during the final stage of said movement being actuated by the velocity pressure of said gas.

2,483,723
ELECTROMAGNETIC CIRCUIT MAKER AND BREAKER
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1945, Serial No. 586,393
2 Claims. (Cl. 175—294)



1. The combination of an electromagnetically operated circuit closer comprising a pair of contacts, an operating winding therefor and in series therewith, an external circuit closed for energizing and de-energizing said operating winding to cause opening and closing of said first contacts at will, of an auxiliary winding for holding said contacts closed connected in series with said contacts responsive and effectively responsive only to current of a strength beyond a safe limit to be broken by said contacts.

2,483,724
SPOON HOLDER
Henry E. Butler, Scotia, N. Y.
Application July 1, 1946, Serial No. 680,715
1 Claim. (Cl. 65—65)



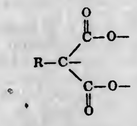
A spoon holder to be attached to the handle of a saucepan comprising an elongated bowl of a size to support the bowl of a spoon, the forward end of said elongated bowl being tapered toward a point and its rear end being blunt and having a curvature of large diameter compared to the tip, and holding means carried by the bowl at said rear end and positioned under said rear end for clamping the bowl to a saucepan handle whereby when the spoon holder is positioned on a saucepan handle its rear end will be in engagement with the top surface of the handle and its forward end will be spaced angularly upward away from such top surface.

2,483,725
HIGH-SPEED QUENCHING
Cecil D. Flemming, Spirit Lake, Iowa, and Gerard S. Mapes, West Englewood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application October 26, 1946, Serial No. 706,076
4 Claims. (Cl. 148—13)

1. A method of quenching heated metals which comprises immersing the heated metal in a mineral oil bath containing a minor amount sufficient to substantially beneficially affect the initial 5-second quenching speed of said oil, of a mixture of neutral, substantially unsaponifiable oxidized petroleum hydrocarbons obtained by the liquid-phase partial oxidation of a mixture of petroleum hydrocarbons, said mixture of neutral, substantially unsaponifiable compounds consisting essentially of aliphatic alcohols, aliphatic ketones, aliphatic keto-alcohols and neutral esters and lactones of high molecular weight saturated aliphatic carboxylic acids.

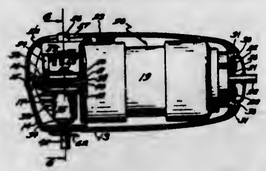
2,483,726
POLYESTERS
Don E. Floyd, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 8, 1945, Serial No. 615,246
10 Claims. (Cl. 260—75)

1. A polyester of a polyhydric alcohol in which the polyfunctional acyl group has the formula



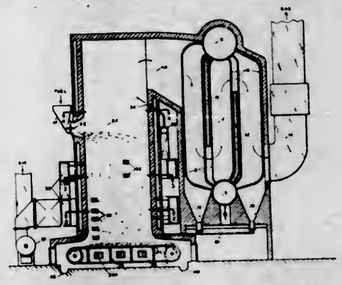
in which R is an aliphatic hydrocarbon group containing from 6 to 16 carbon atoms.

2,483,727
POWER DRIVEN PALM GRASPED KITCHEN APPLIANCE
Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application July 24, 1945, Serial No. 606,847
24 Claims. (Cl. 172—36)



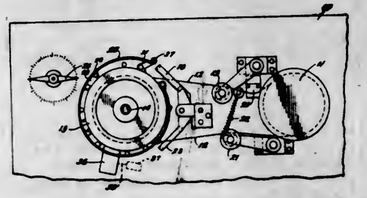
1. A portable electrical appliance containing a power unit for driving rotary tools, embodying in combination, a hollow elongated handle for housing said power unit of sufficiently small girth to be grasped between the palm and fingers of an operator's hand thereby to be supported for maneuvering the appliance, said handle including a hollow barrel section and a hollow closure section mating with an end of said barrel section and separable therefrom, a motor in said barrel section having a stator secured to the latter, transmission mechanism in said hollow handle powered by said motor, support structure inside of said hollow handle structurally exclusive of said closure section carried by said motor including a bracket structure rigid with said motor stator carrying said transmission mechanism, and a chuck rotatable by said mechanism about an axis directed transversely of said elongated handle constructed and arranged detachably to hold a rotary tool and rotate the same externally of said handle about said axis.

2,483,728
METHOD AND APPARATUS FOR BURNING HIGH MOISTURE CONTENT FUEL
Alfred L. Glaeser, Claymont, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 18, 1945, Serial No. 617,066
11 Claims. (Cl. 110—7)



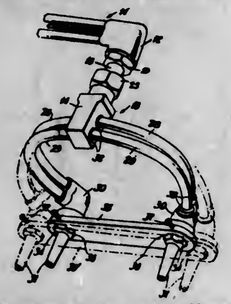
1. A furnace having in combination walls forming an elongated vertical combustion chamber, an upper exit passage for products of combustion communicating with the combustion chamber, a grate at the bottom of the combustion chamber, means disposed below said exit passage for injecting a solid fuel in dispersed state substantially coextensive with the cross section of the combustion chamber, a plurality of air jets disposed a substantial distance above said grate and the fuel thereon for projecting a tangential air flow within the chamber, and a second plurality of air jets disposed above the first plurality of air jets and adjacent to but below said fuel injection means for projecting a second tangential air flow countercurrent to the air flow of said first plurality of air jets whereby the fuel descending from said fuel injection means passes through the air from said jets and the gases of combustion rising from said grate.

2,483,729
MAGNETIC RECORDING APPARATUS
Leland B. Greenleaf, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application December 1, 1944, Serial No. 566,106
9 Claims. (Cl. 242—54)



1. A reel structure for use with a magnetic recording apparatus comprising a flanged spool adapted to be detachably mounted on the apparatus and having straight radially extending flanges, and an elongated resilient cover strip fitting around the spool and resiliently biased into engagement with the edges of the spool flanges to inclose wire on the spool one end of the strip being formed with a transversely extending socket lying radially outside of the flanges.

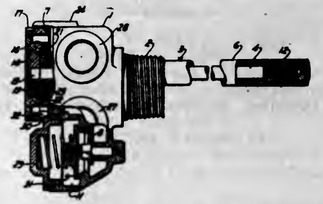
2,483,730
ADJUSTABLE DUPLEX TIP HOLDER
Harry A. Huff, Jr., Jersey City, and Robert M. Reeke, Long Branch, N. J., assignors to Air Reduction Company, Incorporated, a corporation of New York
Application August 29, 1944, Serial No. 551,676
5 Claims. (Cl. 158—27.4)



1. An attachment for gas cutting torches of the type in which the tapered inlet end of a tip is removably clamped in a conical seat in the torch head by a tip nut and in which cutting oxygen is delivered by the head to one passage in the tip and preheating gases are delivered by the head to other passages in the tip, said attachment comprising a holder having a conical inlet end adapted to mate with said conical seat in the torch head when the tip of the torch is removed, a tip nut for clamping the conical end of said holder in said seat, said holder having a cutting-oxygen passage for receiving cutting oxygen from the torch head and preheat passages for receiving preheating gases from the torch head, two pairs of flexible tubes extending from the holder, two tip heads to each of which one pair of said flexible tubes are connected, each of said tip heads having a conical seat, a removable tip for each of said tip heads having a tapered inlet end adapted to be received by the conical seat in the corresponding tip head, and a tip nut for removably clamping each tip to its tip head with the tapered inlet end of the tip engaging in the conical seat of the tip head, said tips each having a cutting-oxygen passage and preheat passages, and the tip head for each tip together with the two flexible tubes leading to it from said holder serving to place the cutting-oxygen passage of such tip in communication with the cutting-oxygen passage in said holder and the preheat passages in such tip in communication with the preheat passages in the holder.

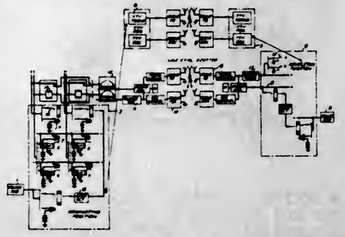
2,483,731
THERMOSTAT ADJUSTMENT INDICATOR
Wayne E. Jenkins and Theodore H. Thiele, Los Angeles, Calif., assignors, by mesne assignments, to C. I. T. Corporation, a corporation of New York
Application October 29, 1945, Serial No. 625,213
1 Claim. (Cl. 236—102)

A temperature-regulating device comprising, a casing formed with a valve chamber and having inlet and discharge passages connected to said chamber, a valve mounted in said chamber and movable to passage-opening and passage-closing position therein, said chamber opening to a side of said casing, a plug-type closure member connected to said casing for closing said chamber and having a rim portion protruding from said casing side, a rotatable temperature regulating member carried by said casing having an operating connection to said valve and provided with a rotating part extending exteriorly from said casing side with the axis of rotation of said part spaced laterally from said closure rim portion, and a manually engageable disk-shaped dial member secured to said part for rotation therewith and positioned with the interior facing of said member in closely spaced relation to said



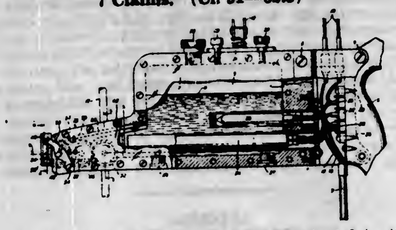
casing side and having a diameter sufficient to overlie a circumferential portion of said closure rim portion, said dial member being formed with a peripheral flange intersecting said closure rim portion, said flange being relieved over a portion of its circumferential extent to define a recess for receiving in said recess said closure rim portion and to provide shoulders in the opposite circumferential ends of said recess in the plane of said closure rim portion functioning to abut said closure rim portion to limit the extent of rotation of said dial member.

2,483,732
SIGNALING CIRCUIT
Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1947, Serial No. 792,587
3 Claims. (Cl. 179—41)



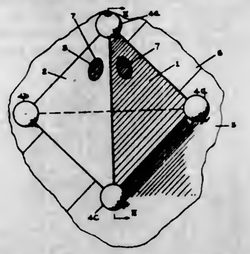
1. In a communication system, a plurality of communication channels, one or more of said channels being arranged to operate as an interpolated telephone and telegraph system wherein telegraph signals are interpolated in telephone conversations thereover, a plurality of operators' positions at each end of said channels at each of which said channels appear, means for preparing a particular operator's position at one end for response to a given signal transmitted over the telephone facilities of said interpolated telephone and telegraph system from the other end, means including the telegraph facilities of said interpolated telephone and telegraph system for passing information including the nature of said given signal to an operator at the said other end and means under control of said operator at the said other end for selecting an idle one of said channels and for transmitting thereover said given signal.

2,483,733
SWITCH BANK COATING MACHINE
Victor F. Miller, Queens Village, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1946, Serial No. 717,179
7 Claims. (Cl. 91—62.5)



1. A tool for applying coating material to the terminals of a panel switch bank comprising a reservoir for the material, a shoe of insulating material connected to the forward end of said reservoir for engagement with one edge of a row of bank terminals, a flanged gear of insulating material positioned adjacent said shoe and adapted to be meshed with the row of terminals with said flange in engagement with the other edge of said row of terminals, and a gear pump operable by said gear when said gear is rotated by the movement thereof over the row of terminals engaged thereby, for drawing material from said reservoir and for depositing it on the teeth of said flanged gear whereby the said teeth of said flanged gear may deposit said material on the edges of said terminals.

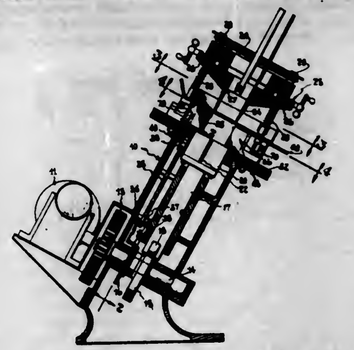
2,483,734
PYRAMIDAL HIGHWAY MARKER WITH RESILIENT WALLS
Harry E. Neal, Columbus, Ohio, assignor to Plastic Engineering, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 4, 1944, Serial No. 557,205
3 Claims. (Cl. 40—125)



1. A marker comprising a plurality of thin substantially plane resilient walls arranged in the form of an open based pyramid, and projecting knobs at the corners thereof, the knobs being substantially spherical with their centers substantially at the apexes formed by the sides.

2,483,735
MACHINE FOR DIE-CUTTING PAPER
Elmer F. Noell, Cincinnati, Ohio, assignor to The Printing Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 15, 1947, Serial No. 728,751
18 Claims. (Cl. 164—21)

1. In a machine for trimming blanks of thin sheet material; a cutting block, a die, guide means between the block and die for guiding a stack of blanks, said guides arranged to provide a lateral opening to the top surface of the cutting block, power means for reciprocating said cutting block, means for delivering stacks of blanks thereto, a control switch for said power means, said switch



disposed in said lateral opening and adapted to be engaged by the stack of blanks in the event they are disaligned with respect to the guide means and, a discharge chute for the trimmings from the label blanks, said discharge chute being displaceable if engaged by an improperly aligned stack.

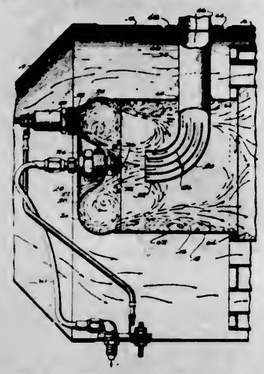
2,483,736
SULFURIZATION OF REACTION PRODUCT OF PHOSPHORUS PENTASULFIDE AND UNSATURATED ACYCLIC KETONE
Ferdinand P. Otto, Woodbury, N. J., and Ronald E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application July 25, 1945, Serial No. 607,090. Divided and this application November 15, 1946, Serial No. 710,230
5 Claims. (Cl. 260—125)

1. A process for the preparation of a phosphorus- and sulfur-containing reaction product which comprises sulfurizing an intermediate phosphorus- and sulfur-containing reaction product with elementary sulfur at a temperature above about 150° C. and below the decomposition temperature of said first-mentioned reaction product, said intermediate reaction product being obtained by reacting substantially one mol of phosphorus pentasulfide with four mols of an unsaturated acylic ketone containing no substituents other than hydrogen at a temperature above about 100° C. and below the decomposition temperature of said intermediate reaction product.

2,483,737
INTERNAL-COMBUSTION BURNER FOR HEATERS
William C. Parrish, Park Ridge, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 10, 1943, Serial No. 494,155
3 Claims. (Cl. 158—28)

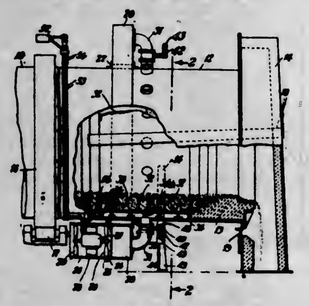
1. A burner of the class described comprising means forming a combustion chamber having an annular wall and an end wall, said end wall having an inwardly extending projection on the axis of said annular wall and having an annular recess surrounding said projection, said projection,

said end wall and said annular wall merging smoothly to form a surface of revolution which consists of substantially half a tore, a spray nozzle disposed at the end of said projection and oriented to direct a spray of liquid fuel axially of said combustion chamber and in a direction away from said end wall, combustion air delivery means disposed within said combustion chamber comprising a pipe extending substantially radially into a position in front of said combustion cham-



ber, the inner end of said pipe being curved so that the opening at the inner end thereof faces said projection, and vanes within the curved portion of said pipe for subdividing and transversely distributing the flow of air therethrough so that the spray from said nozzle and the stream of combustion air are in counterflow relation to each other, means to supply liquid fuel under pressure to said nozzle, and means to supply air under pressure to said combustion air delivery means.

2,483,738
COOLER
Louis S. Petersen, Forest Hills, N. Y., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application November 9, 1944, Serial No. 562,697
3 Claims. (Cl. 263—33)

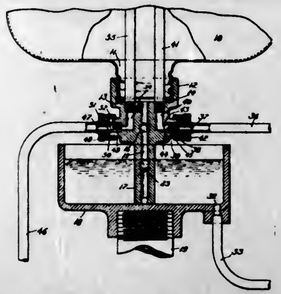


2. The combination of a cylindrical kiln shell rotatable about an axis slightly inclined to the horisontal, a pipe extending into the lower end of the shell out of contact therewith for introducing fuel into the shell for combustion within the latter to produce a clinkering zone near said end of the shell, said shell having a plurality of circumferentially spaced discharge outlets between the clinkering zone and the lower end of the shell, a plurality of circumferentially spaced cooling chambers mounted externally on the shell and extending axially thereof, each of said chambers being connected to one of said outlets, an annular wind box mounted on the shell to encircle it, an air chamber mounted on the shell in communication with the wind box, the air chamber lying between a pair of adjacent cooling chambers and extending axially of the shell, power driven means within the air chamber for drawing air into the latter and supplying it to the wind box, and means for introducing air from the wind box into the interior of the shell through a plurality of circumferentially spaced openings through the shell wall lying upwardly along the shell from the outlets and between said outlets and the clinkering zone.

2,483,739
ETHERIFICATION PROCESS
John Robert Roach and Harold Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application January 4, 1946, Serial No. 639,158
7 Claims. (Cl. 260—615)

1. Process of etherifying a polyhydric alcohol produced by the alkaline condensation of formaldehyde with a compound containing an activating group selected from the group consisting of carbonyl groups and nitro groups, said compound having active hydrogen atoms adjacent the activating group which comprises treating the crude condensation reaction mixture containing the polyhydric alcohol with a halide etherifying agent in the presence of the alkaline catalyst employed in said condensation.

2,483,740
RANGE OIL BURNER APPARATUS
Joseph S. Routen, Wollaston, Mass.
Application September 2, 1947, Serial No. 771,580
2 Claims. (Cl. 158—40)



1. In a range oil burner apparatus the combination with a vacuum reservoir of a fuel supply conduit having one end thereof communicating with the interior of said reservoir; a normally closed check valve in said supply conduit that opens toward said reservoir; a suction pump; an air exhaust conduit having one end thereof connected with the inlet of said pump and its opposite end communicating with the interior of said reservoir closely adjacent to the top thereof; a normally closed check valve within said air exhaust conduit that opens toward said pump; a trap disposed below said reservoir into which fuel oil is intermittently fed barometrically from said reservoir, said trap having an outlet

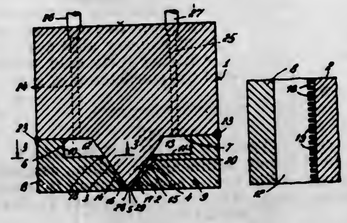
at its bottom adapted to be connected by a conduit with the burner of the apparatus through which fuel oil is fed by gravity to said burner; an outlet conduit through which fuel oil is delivered by gravity from said reservoir into said trap whenever the lower end of said outlet conduit is uncovered by the contents of the latter, one end of said outlet conduit communicating with the interior of said reservoir adjacent to the bottom thereof and the opposite end thereof communicating with the interior of said trap below the top thereof so that it is normally submerged in the contents of said trap; and a normally open manually controlled valve in said outlet conduit by which the latter is closed preparatory to operating said pump to replenish the contents of said reservoir.

2,483,741
TRACK COUPLER
Paul A. Sturtevant, Elmhurst, Ill.
Application March 14, 1946, Serial No. 654,307
10 Claims. (Cl. 238—241)



1. A track rail joint comprising a pair of rails having adjacent ends, one of said rails having openings in a flange thereof near its said end, and supporting members secured to the other rail end and projecting upwardly and forwardly in supporting engagement with the end of the opposed rail, said members passing through said openings and supportingly engaging the upper face of said flange whereby a self-supporting joint is formed between the pair of rails.

2,483,742
TORCH TIP
Oliver Thurman, Jr., Mountain Lakes, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application December 13, 1945, Serial No. 634,686
8 Claims. (Cl. 158—27.4)



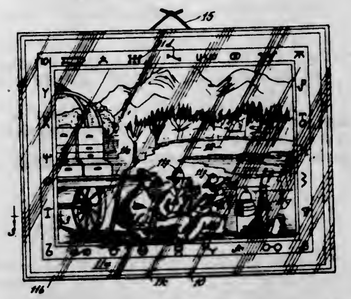
7. A torch tip of the block type having two members provided with opposing faces forming a slot-type jet passage, distributing chamber means in communication with said jet passage, a serrated lip at the upper edge of one of said faces, the teeth of the serrated lip contacting with the other face so that the spaces between the teeth constitute metering ports at the entrance to the slot-type jet passage, and means for supplying gas to said distributing chamber means for delivery to the slot passages through said metering ports.

2,483,743
DEVICE FOR CENTERING THE SPINDLE OF MACHINE TOOLS
Fernand William Turrettini, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application March 31, 1948, Serial No. 18,205
In Switzerland April 10, 1947
2 Claims. (Cl. 33—172)



2. In combination with the spindle of a machine tool a device for centering said spindle on the axis of a work piece to be machined, said device comprising an arm secured to said spindle, a comparator-holder slidingly mounted on said arm, a dial comparator rotatably mounted in said comparator holder, a toothed gear loosely mounted on said spindle and having rigid therewith a stop handle, a gear train in said arm having meshing engagement with said toothed gear, a shaft in said arm, a gear fixedly secured on said shaft and having meshing engagement with said gear train, a gear slidingly mounted on said shaft for rotation with said shaft and having driving connection with said dial comparator, whereby the rotation of said spindle is transmitted to the comparator, the gearing ratio of the gears being chosen so as to transmit a rotation equal in speed and reverse in direction to that of said spindle, whereby upon actuation of said stop handle the comparator dial remains oriented in the direction chosen by the operator, whatever the angular position of the spindle may be.

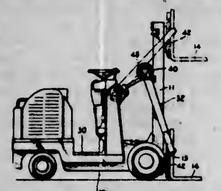
2,483,744
SHADOW BOX
William F. Vernon, Newton, Iowa
Application January 17, 1947, Serial No. 722,649
1 Claim. (Cl. 41—34)



A shadow box pictorial display comprising a transparent glass front, a box of predetermined depth secured to said front and comprising a stiff paper backing, a picture secured thereto, and portions of said backing and picture being provided with offset flanges for attachment directly to said glass front whereby said picture forms a continuous backdrop spaced from said glass front and leading directly thereto, and said glass front having a plurality of opaque foreground objects secured thereto in complement

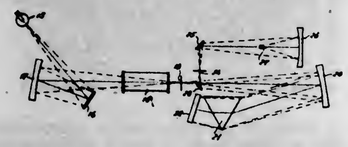
with respect to the picture backdrop including an opaque design to completely hide the attached portions of the box adjacent the glass front, and concealed means attached to the stiff paper backing of the box for supporting the entire unit from a wall support comprising a hanging cord, spaced apertures in said stiff paper backing to receive said cord, the latter having a portion thereof connected with said box between said stiff paper backing and said picture to emerge through said apertures to form an outside supporting loop, said picture concealing the connected portion of said loop.

2,483,745
FORK ADJUSTMENT FOR INDUSTRIAL TRUCKS
Frank A. Vossenberg, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 14, 1947, Serial No. 741,163
16 Claims. (Cl. 214—113)



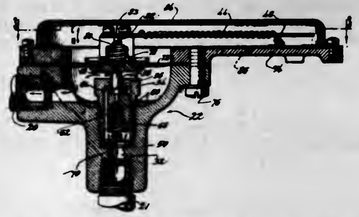
1. In an industrial truck, a pair of uprights, a carriage mounted for vertical movement on said uprights, a pair of forks on said carriage adapted for adjustment laterally relatively to said carriage toward and away from one another, actuating means for moving said forks laterally on said carriage, an operating assembly for said actuating means pivoted relatively to said carriage and including means to operate said actuating means in all pivoted positions of said operating assembly, and means on said uprights upon which said operating assembly rests as said carriage moves vertically on said uprights.

2,483,746
OPTICAL APPARATUS UTILIZING LIGHT OF A WAVE LENGTH ABOVE A SELECTED VALUE
John U. White, Darien, Conn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application July 19, 1946, Serial No. 684,747
4 Claims. (Cl. 250—43)



1. In an instrument utilizing infrared light, from which it is desirable to eliminate light of all wave lengths below a selected wave length in the short infrared range, the combination of a source of infrared light, an echelette diffraction grating having an effective grating space approximately equal to said selected wave length, said grating passing into the diffracted spectra a major proportion of light of wave lengths shorter than the grating space, and a detector, the grating being mounted to receive light from said source and to direct the undiffracted light toward the detector and the diffracted light away from the detector.

2,483,747
FUEL CONTROL APPARATUS
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 2, 1945, Serial No. 591,543
1 Claim. (Cl. 236—68)



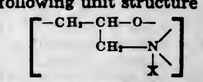
In an electrically controlled valve apparatus, the combination of a valve body having a valve seat therein and having a chamber, a valve cooperable with said seat, a diaphragm forming one wall of the chamber, resilient means urging said valve against said seat, a thermostatic bimetal element, a resilient operating connection between said bimetal element and said valve, electrical means to heat said bimetal element thereby to cause the latter to apply a force through said resilient operating connection in a direction to open said valve, and means responsive to ambient temperature to energize said electrical heating means intermittently for intervals of increasing length as the ambient temperature decreases.

2,483,748
FLUID PHOSPHATIDE COMPOSITION
Harold Wittcoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application April 25, 1947, Serial No. 744,039
5 Claims. (Cl. 252—1)

1. A phosphatide composition, comprising a major proporton of a phosphatide material and at least 5% of an ester of a lower aliphatic monohydric alcohol and a higher fatty acid, sufficient to soften and control the consistency of said composition.

2,483,749
QUATERNARY AMMONIUM SALTS
Harold Wittcoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application February 24, 1948, Serial No. 10,561
5 Claims. (Cl. 260—279)

1. A quaternary ammonium salt of a polymerized epihalohydrin, the quaternary ammonium salt having the foliowing unit structure



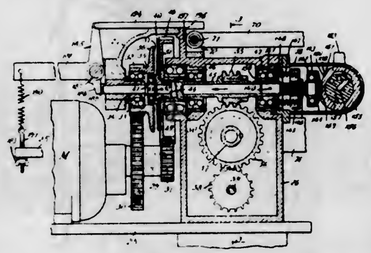
in which X is halogen and N is a nitrogen atom contained in a heterocyclic ring selected from the group consisting of pyridine, quinoline, isoquinoline, and acridine rings.

2,483,750
GLUE SPREADER AND PAPER CUTTER
Otto M. Bratrud, Seattle, Wash.
Application December 22, 1945, Serial No. 636,593
1 Claim. (Cl. 30—162)



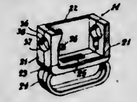
In an instrument of the character described, a handle portion having an internally threaded bore terminating in a base surface, an extension member threaded into the handle bore, and adjustable to more or less extent into or from the latter; said extension having a longitudinal passage and formed therein with an internal shoulder facing the base of the bore, a blade bar contained in said passage engaged against the base surface of said bore and having a cross head at its inner end and a sharpened outer end, and a coiled spring in said extension seated against said head and against said shoulder; said sharpened end of the bar, being adapted to be adjustably exposed from the end of the extension by the threading of the extension into or from the handle.

2,483,751
STUD-DRIVING MECHANISM
Wilhelm B. Bronander, Montclair, N. J.
Original application November 5, 1942, Serial No. 464,626, now Patent No. 2,379,878, dated July 10, 1945. Divided and this application June 23, 1945, Serial No. 601,147
3 Claims. (Cl. 74—411)



1. In a machine of the character described, a reversible friction driving member, means for driving said friction driving member in opposite directions a shaft mounted for axial movement, coaxial with the axis of the friction driving member, a friction driven member mounted on said axially movable shaft and movable into and out of driving engagement with two degrees of torque transfer with said friction driving element as the shaft is moved axially, a tool driving shaft, means including a worm driving connection between said axially movable shaft and said tool driving shaft, said worm driving connection limiting the torque transmitted by the friction driving and driven members and operating to clamp said members in tight driving relation on reverse drive, and means coacting with the driving connection between the driving and driven friction members for increasing the torque load limit to effect the second degree of torque transfer to which the drive will be limited on forward drive.

2,483,752
COMBINED MAGAZINE RECEIVER AND BARREL FOR TOY GUNS
William F. Buhl, Livingston, N. J., assignor, by mesne assignments, to Associated Development and Research Corporation, New York, N. Y., a corporation of New York
Application November 10, 1945, Serial No. 627,833
6 Claims. (Cl. 124—30)



2. In a toy gun or the like having a magazine accommodating a plurality of projectiles, the combination of a magazine receiver having side and end walls defining an opening to receive the end of said magazine, each said end wall having a passage therethrough in alignment with the passage in the other end wall, each passage being non-circular and providing aligned offsets in said end walls, and a gun barrel extending through said passages, said gun barrel having a wall opening therein to provide shoulders for engagement with said offsets whereby said gun barrel is secured against rotation relative to said magazine receiver.

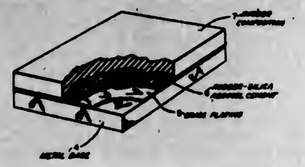
2,483,753
COPOLYMER COMPOSITION
Thomas S. Carswell, Seattle, Wash., and Ralph F. Hayes, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 19, 1945, Serial No. 573,630
3 Claims. (Cl. 260—87.5)

1. A copolymer made from a mixture comprising 25–80 parts of 2,5-dichlorostyrene for every 75–20 parts of styrene.

2,483,754
BONDING RUBBERLIKE MATERIALS TO METAL
Maurice Clifton, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 24, 1945, Serial No. 612,349
12 Claims. (Cl. 154—43)

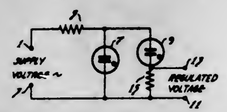
2. A composite assembly comprising a vulcanized rubbery rubber mass bonded to brass, by having at least a portion of the said rubbery mass in substantially uniform admixture with between 1 and 60 percent by weight, based on the rubber, of silica aerogel particles, said admixture being cured and in direct adhering contact with the brass, the rubber in each instance being the same and selected from the class consisting of natural rubber, polychloroprene, rub-

bery copolymer of butadiene and styrene, rubbery copolymer of butadiene-1,3 and acrylonitrile,



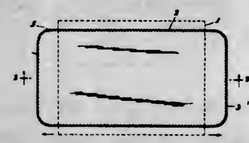
and rubbery copolymer of isobutylene and butadiene-1,3.

2,483,755
VOLTAGE REGULATOR
Marian S. Corrington, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1945, Serial No. 637,671
3 Claims. (Cl. 323—79)



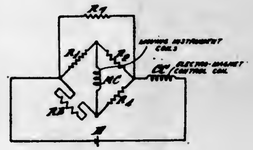
3. A voltage regulator circuit for connection between a source of supply voltage and a load including a first resistor in series with said supply voltage, a pair of voltage regulating devices having different voltage drops which vary in opposite sense as a function of the series currents therethrough, means connecting one of said devices serially between said resistor and said load, means connecting the other of said devices in shunt with said one device and said load, a second resistor connected in series with said one device, and means for connecting a load in shunt with said second resistor whereby the load voltage is proportional to the regulated difference voltage between said two regulating devices.

2,483,756
DIAPER
Maurice S. Dayan, New York, N. Y.
Application January 29, 1947, Serial No. 725,104
1 Claim. (Cl. 128—284)



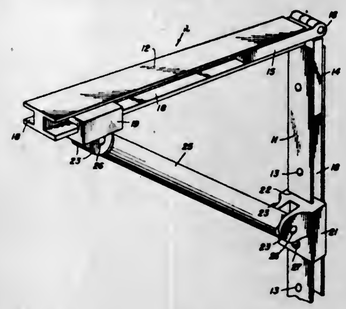
A diaper comprising superposed knitted layers of material made of soft yarn, the diaper being substantially rectangular, said layers being stretched in the direction of their greatest dimension but not transversely thereof; said layers being stitched together around the entire peripheral edges thereof with the layers in stretched condition, and being extensible transversely of the greatest dimension to facilitate handling and adjusting into position for wear, so that the diaper fits the wearer's body snugly without causing discomfort, said layers being absorptive in high degree.

2,483,757
TEMPERATURE COMPENSATOR FOR ELECTRICAL MEASURING SYSTEMS
Alexander Constantine Denisoff, East Twickenham, England, assignor to West Road Co. Limited
Application April 23, 1946, Serial No. 664,399
In Great Britain May 1, 1945
5 Claims. (Cl. 171—95)



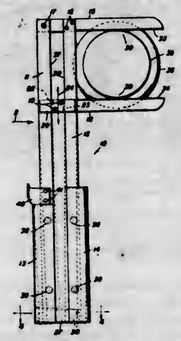
1. A temperature compensating arrangement for an indicating instrument having a moving coil wound with wire having an appreciable temperature coefficient of resistance comprising a bridge network having four arms, each constituted by a resistance having a substantially zero temperature coefficient, and two diagonal arms, one constituted by the moving coil of the instrument and the other constituted by a source of potential in series with a resistance and a further resistance in parallel with the said source and the series resistance, said further resistance being of such magnitude and having such a temperature coefficient that the temperature coefficient of the circuit is substantially zero.

2,483,758
ADJUSTABLE SHELF BRACKET
Luther Allen Douglas, Sacramento, Calif., assignor of twenty-five per cent to Hugh W. Ditzler, twenty-five per cent to C. F. E. Kennedy, and twenty-five per cent to Ralph W. Kerr, all of Sacramento, Calif.
Application November 14, 1947, Serial No. 786,116
2 Claims. (Cl. 248—242)



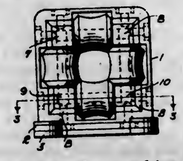
2. An adjustable shelf bracket comprising a pair of elongated members hingedly connected together at one end thereof, a pair of blocks each slidable on one of said members, a strut pivoted at each end thereof to one of said blocks, and means for locking said blocks in predetermined positions on the respective members.

2,483,759
TURNING DEVICE FOR JAR TOPS
Edward J. Drew, Jersey City, N. J., assignor of fifty per cent to William L. Mueller, Ridgewood, N. Y.
Application October 27, 1947, Serial No. 782,426
2 Claims. (Cl. 81—3.42)



1. A turning device for jar tops comprising a pair of spaced substantially parallel arms, a stationary jaw secured to one end of one arm and pivoted to the adjacent end of the second arm, the remaining ends of said arms constituting a pair of handles, a movable jaw slidable on intermediate portions of said arms, and a cam provided on said movable jaw, said cam being disposed between said arms and having parallel side edges extending obliquely to the movable jaw, said edges being engageable by opposing inner edges of said arms whereby the jaws may be urged together by pressing together said arms.

2,483,760
ELECTRICAL CABLE GUIDE
Sprinkle W. Duncan, North Tazewell, Va.
Application August 7, 1947, Serial No. 767,279
4 Claims. (Cl. 254—190)

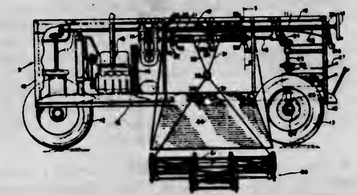


1. In a cable guide, the combination with an open rectangular frame, four corner blocks and means for fastening the blocks in the frame, and a pair of angularly disposed sockets located in the blocks, of four axles having their respective ends mounted in alined pairs of sockets, and four rollers journaled on the axles to form a central eye for the cable.

2,483,761
FOOD PRODUCT
Henry M. Dux, Jacksonville, Fla.
No Drawing. Application December 3, 1948, Serial No. 63,440
7 Claims. (Cl. 99—204)

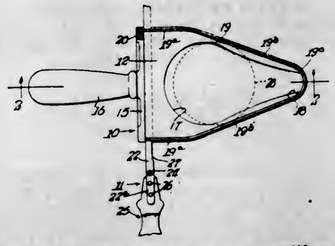
1. A dehydrated food product having a novel flavor consisting of a composition of de-oiled orange peel and raisins, blended by a compressive and grinder action with the peel in a macerated moisture carrying and heated condition, the dehydrated composition containing one part of raisin substance and from one to six parts of peel substance.

2,483,762
MOWER FOR USE ON HILLS
John J. Ebenhoe, Manitowoc, Wis.
Application April 2, 1948, Serial No. 18,665
3 Claims. (Cl. 56—7)



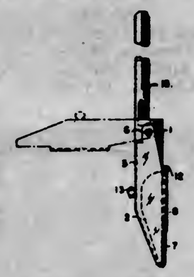
1. A mower for use of hills comprising a mobile winch having a power unit, a drum and a cable, a grass cutter connected to the free end of the cable, a ramp on the side of the mobile winch down which the grass cutter may roll on its way down the hill, and a clutch operative to engage the drum with the power unit for drawing the cutter back up the hill and onto the ramp.

2,483,763
SLICING BOARD WITH PARALLEL KNIFE GUIDES
George L. Edwards, Alexandria, La.
Application October 19, 1946, Serial No. 704,477
2 Claims. (Cl. 146—150)



2. In a slicing apparatus for use with a gang slicer comprising a plurality of relatively fixed, spaced cutting blades formed to act as a unit: said apparatus comprising a readily portable base, blade guide supporting means carried by said base; a plurality of blade guides disposed at an angle to said blade guide supporting means; spaced from each other and overlying said base in parallel fixed relation; each of said guides including spaced arm portions; each of the latter supported at one end of each in cantilever fashion upon said blade guide supporting means; the remaining ends of each pair of said arm portions being integral with the ends of substantially V-shaped arm portions to form obtuse angles therewith; the angular ends of said V-portions being freely separated from the adjacent like portions whereby to support and enclose an object to be sliced while lying on said base and to retain the object against thrust imparted thereto by a gang slicer moving toward the apex of the V-portions and escaping therebetween, leaving the slices of the object intact and portable with the apparatus for discharge by inversion of the apparatus.

2,483,764
DRAFTING PEN
Henry Frank, Brooklyn, N. Y.
Application October 4, 1946, Serial No. 701,344
7 Claims. (Cl. 120—109.5)



4. A pen having a body with a recess opening through its rear face, said body being tapered along the lower portion of the front and sides, and the recess extending to the end of said portion, a channel-shaped shield attached to the body, and similar in outline thereto, said shield having its sides separated from the sides of said body and having flanges along the rear edges of the sides, the distance of said flanges from one another being slightly greater than the width of said body; and a replaceable pen element disposed against the rear face of said body and held against said face by said flanges, said element having converging edges at its lower portion and terminating in a point with a groove on the inner face thereof at the lower end of the reces.

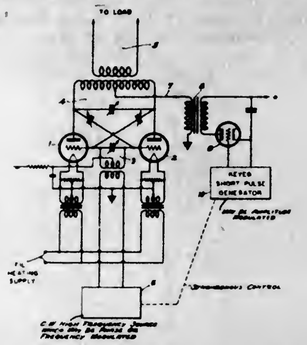
2,483,765
WATCH REPAIRING METHOD
Donat H. Hamel, Huntington Park, Calif.
Application August 6, 1946, Serial No. 688,722
1 Claim. (Cl. 29—149.5)



The herein described method of repairing the bridge plate of a watch whose semi-cylindrical winding stem bearing recess has become enlarged by wear, which method consists in providing a crescent-shaped shim proper having an arcuate concave face whose radius corresponds to that of the winding stem and an arcuate convex face eccentric to the concave face and conforming to the surface of the worn bearing recess, providing a rigid cylindrical stem on the shim proper so that it projects centrally from the convex face of the shim proper, drilling a transverse opening entirely through the bridge plate centrally of the bearing recess and of a size to receive said stem with a drive fit, and tapping the shim element so as to drive its stem into said transverse opening until the convex face of the shim proper seats upon the worn bearing surface of the bridge plate recess.

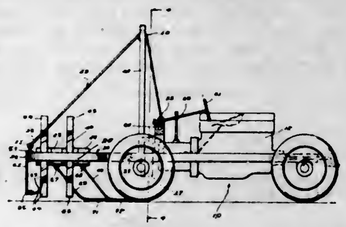
2,483,766
POWER CONVERTER SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1942, Serial No. 470,437
16 Claims. (Cl. 250—17)

1. In combination, a converter of direct current to high frequency power, means coupled to said converter for keying the same including means for applying input power thereto in pulses of duration short compared to the time interval between pulses, a load circuit, and a frequency



selective circuit between said converter and said load circuit, said frequency selective circuit being selective to pass frequencies other than said keying or pulse frequency but not to pass said keying or pulse frequency.

2,483,767
SOIL PULVERIZER
Robert Le Roy Hart, Smithfield, N. C.
Application April 20, 1945, Serial No. 589,340
4 Claims. (Cl. 97—38)

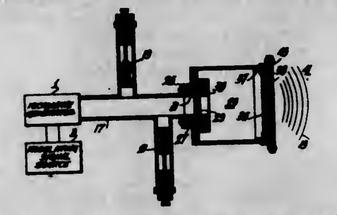


4. A soil pulverizing device for use on a tractor, a frame, means for pivotally securing said frame to said tractor, coplanar brackets positioned within said frame, shafts journaled in said brackets and substantially parallel to said frame, pivotal means for securing said shafts to said tractor, soil pulverizing means secured to said shafts, said soil pulverizing means including partially overlapping rotors, arcuate baffle means secured to said frame for limiting the pivotal travel thereof, and baffles pivotally secured to said brackets and extending longitudinally of said shafts.

2,483,768
MICROWAVE-ACOUSTIC WAVE TRANSLATOR
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 15, 1944, Serial No. 540,429
16 Claims. (Cl. 250—6)

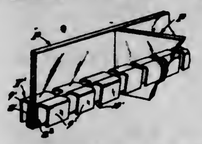
1. The method of indicating the presence of a microwave absorptive gas in a space comprising generating modulated microwave energy, irradiating said space with said modulated energy to excite molecular resonance in said gas, and indicating the presence of said gas as a function of

the magnitude of sonic waves characteristic of said modulation frequency which are generated



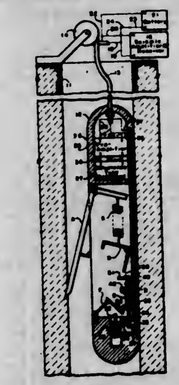
by any of said gas present in response to said microwave energy absorbed thereby.

2,483,769
COUNTER BIN CONSTRUCTION
Henry J. Hickey, Quincy, Mass.
Application July 19, 1946, Serial No. 684,988
8 Claims. (Cl. 312—140.3)



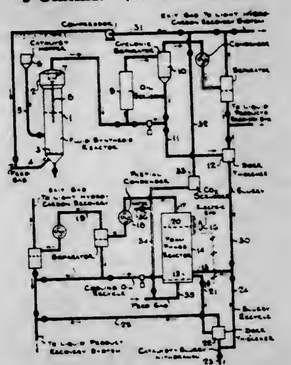
8. Means for supporting an outer wall or partition member for counter display bins comprising an integral elongated strip having a horizontal base flange for disposition on the top of the counter, an upright flange extending upwardly from the base flange to confine the lower edge portion of the bin wall or partition against an opposing flange and thereby sustain the wall or partition in a vertical position, and a plurality of angular tongues extending inwardly and downwardly from the upper edge of said upright flange and spaced apart for snug reception of the lower portion of an end of a partition between any selected adjacent ones thereof to sustain said partition in a vertical position.

2,483,770
APPARATUS FOR SEISMIC PROSPECTING
Alexander B. Hildebrandt, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 22, 1945, Serial No. 637,054
2 Claims. (Cl. 177—352)



1. In a geophone apparatus adapted to first move freely in a bore hole and adapted subsequently to be clamped at a desired point in the hole, a releasable clamping means comprising a first lever pivoted to the geophone apparatus, spring means associated with said first lever exerting a bias to force an end of the lever against the wall of the bore hole, a projection secured to the said first lever, a second lever positioned to engage the projection of the first lever, spring means associated with said second lever exerting a bias on the lever to cause the lever to disengage the said projection, a rotatable bar adapted to contact said second lever to prevent disengagement in one position and to permit disengagement in a second position, a coil of wire mounted in said geophone apparatus and an armature slideably mounted in said coil and arranged to move from a first to a second position upon the flow of current through the said coil, said armature being adapted in the said first and second positions to control the rotation of the rotatable bar.

2,483,771
TWO-STAGE PROCESS FOR THE SYNTHESIS OF HYDROCARBONS
Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 2, 1948, Serial No. 291
9 Claims. (Cl. 260—449.6)

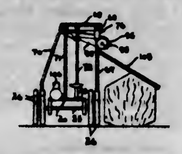


1. The process of producing valuable conversion products from carbon monoxide and hydrogen which comprises contacting a mixture of CO and H_2 in synthesis proportions and under synthesis conditions with a dense, turbulent mass of finely divided alkali metal salt promoted iron synthesis catalyst fluidized by an upwardly flowing gas in a reaction zone, withdrawing partially oxidized iron catalyst of smaller than fluidizable size from said reaction zone, introducing said withdrawn catalyst into a second reaction zone, maintaining said catalyst in said zone as a suspension in a liquid, feeding to said suspension in said second reaction zone a mixture of CO and H_2 in synthesis proportions and under synthesis conditions, and recovering valuable conversion products from both zones.

2,483,772
GRASS CUTTER AND HEDGE TRIMMER
Gray W. Holmes, Miller, Mo.
Application June 18, 1945, Serial No. 600,190
19 Claims. (Cl. 56—25)

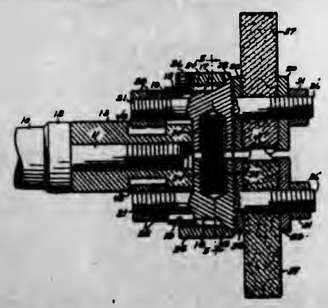
19. A hedge trimmer and grass cutter comprising a wheeled vehicle, a pair of spaced parallel vertical columns supported on the vehicle, a ver-

tically disposed drive shaft mounted on the vehicle in spaced parallel relation to the columns, a carriage mounted on the columns for vertical adjustment, a sickle mounted on the carriage to swing in a vertical arc about a horizontal axis, means on the carriage coupled with the vertically disposed drive shaft for actuating the sickle, a vertically disposed sickle control shaft mounted on the vehicle in spaced parallel relation to the drive shaft and to the columns, a worm drive on the carriage to swing the sickle in the vertical arc to adjusted position about the horizontal axis, means establishing driving connection be-



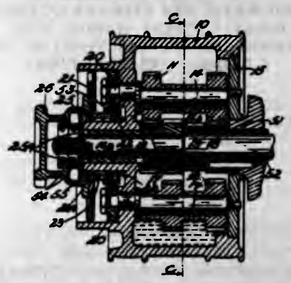
tween the sickle control shaft and the sickle worm drive on the carriage, a worm drive on the vehicle coupled to the carriage to raise and lower the carriage on the columns, a power transmitting means on the vehicle coupled with the drive shaft selectively to drive said drive shaft, means between the power transmitting means and the sickle control shaft selectively to drive the control shaft in a direction to swing the sickle upwardly or downwardly about the axis and means on the vehicle to couple the power transmitting means to the worm drive on the vehicle selectively to drive the worm drive in a direction to raise or lower the carriage on the columns.

2,483,773
INTERNAL GRINDING TOOL
Spencer R. Keller, Handley, W. Va.
Application August 27, 1947, Serial No. 770,881
1 Claim. (Cl. 51—184.2)



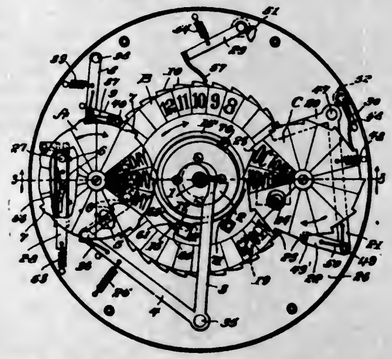
An adjustable grinding tool for grinding internal openings comprising a spindle having a central threaded projection thereon and an annular shoulder at the rear of the projection on the spindle, a sleeve on the projection abutting the shoulder end having longitudinally extending elongated openings, stone element carrying members having threaded projections extending into the openifig and adapted to be adjusted radially with respect thereto, and means for securing the projections within the openings against axial displacement therefrom, and said sleeve is provided with recesses for the accommodation of said means, oppositely extending threaded projections on said stone element carrying members stone elements connected respectively to the oppositely extending projections on the stone element carrying members, an adjusting ring on the exterior of the sleeve and adjustable axially thereover, said stone element carrying members having respectively inclined edges adapted to cooperate with the outer end of the adjusting ring to limit their outward movement, said sleeve having guide projections extending respectively at opposite sides of the stone element carrying members, said stone element carrying members having opposing openings, and spring means disposed in the openings whereby to keep the members extended outwardly.

2,483,774
CHANGE-SPEED GEAR
Thomas Aubrey Kestell, Thurmaston, England, assignor to Power Jets (Research & Development) Limited, London, England
Application September 20, 1945, Serial No. 617,516
10 Claims. (Cl. 74—750)



1. Change speed gear comprising a rotatably mounted housing adapted to be driven by an external drive, a plurality of selectively operable gear trains within said housing, each gear train being associated with a shaft which is located eccentrically relative to said housing and is itself eccentrically borne by said housing, means for drivably connecting said housing to an output shaft and means for simultaneously rotating said eccentrically borne shafts to bring a selected gear train into operable engagement between said housing and said output shaft.

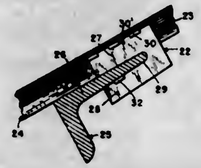
2,483,775
MECHANICAL CALENDAR
Pieter A. Klaris, Rotterdam, Netherlands, assignor to Lodewyk den Hartog
Application April 19, 1947, Serial No. 742,755
In the Netherlands February 27, 1947
5 Claims. (Cl. 58—5)



1. A mechanical calendar for a clock having an hour hand mounted on a shaft, a mounting

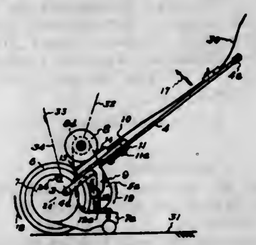
plate having a centrally disposed opening to receive the said hour hand shaft, a plurality of discs having teeth on the peripheries positioned on said plate with a large disc in the center and a small disc at each side, means rotatably mounting the discs on the mounting plate, a cam mounted on the hour hand shaft, means rotating one of the small discs by the cam each time the hour hand makes one complete revolution, means actuated by the teeth on the periphery of the small disc for engaging the teeth of the large disc to advance the large disc one step each time the small disc advances two steps, resilient means returning said large disc to a starting position after it has traveled through a predetermined number of steps, and means actuated by the return movement of the large disc for advancing the other small disc one step.

2,483,776
ROOFING CLIP
Waldemar Kroier, Jacksonville, Fla.
Application July 9, 1947, Serial No. 759,744
10 Claims. (Cl. 108—18)



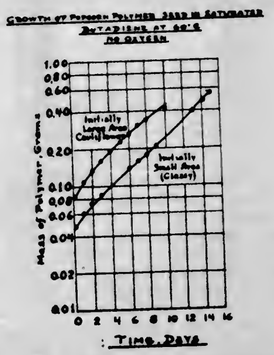
4. A roofing structure of the class described including in combination a sheet having an elongated rib, said rib having interlocking indentations in the side walls thereof, a supporting member, and a clip for connecting the roofing structure to the supporting member, said clip having a limb extending into the rib, said limb being provided with laterally extending interrupted flanges projecting alternately from opposite sides thereof to engage said indentations, said flanges forming spaced longitudinally disposed recesses on opposite sides of the limb for receiving portions of the indentations in the side walls of the rib to prevent longitudinal or transverse displacement of the roofing sheet relative to the clip.

2,483,777
MOTOR-POWER PROPELLED LAWN MOWING MACHINE
Edward H. Lange, Baltimore, Md.
Application June 25, 1947, Serial No. 757,033
10 Claims. (Cl. 56—26)



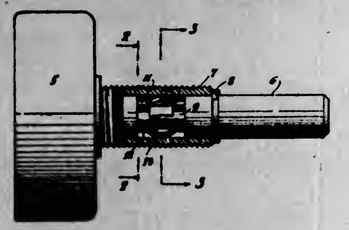
10. A motor-gravity traction-control device upon a lawn-mowing machine, said machine having a frame, ground wheels upon said frame, a ground roller upon said frame rearward from said ground wheels, transverse pivot means upon said frame, and a handle bar member, said device having a base-frame for pivotal support upon and movement about said pivot means, gravity means for maintaining adequate power-transfer to said ground wheels and for simultaneously maintaining adequate load-moving traction between said ground wheels and the ground, said means including a motor fastened upon said base-frame with centre of gravity of said motor rearward from the axis of said pivot means and from the axis of said ground wheels, and forward from the axis of said ground roller, and transverse drive-shaft means forced against the periphery of said ground wheels by gravity moment of said motor about said pivot means; means for holding and directing movement of said drive-shaft means relative to said ground wheels, including bearing members disposed upon said base-frame rearward from a plane passing through the axis of said ground wheels and the axis of said pivot means, a power-transmission linkage between said motor and said drive-shaft means, means for regulating limits of downward movement by said gravity moment upon said drive-shaft means including a strut member capable of pressing upon said frame, and means for lifting said motor to disengage said drive-shaft means from said ground wheels, including said handle bar member.

2,483,778
INHIBITION OF RESIN GROWTH FROM DIOLEFINS
Charles E. Morrell, Westfield, and Richard F. Robey, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 14, 1946, Serial No. 690,560
6 Claims. (Cl. 260—666.5)



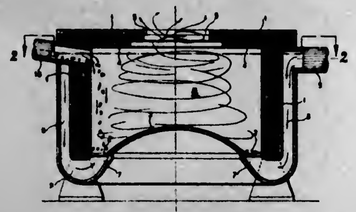
1. A process for handling olefinic hydrocarbons normally tending to form insoluble self-propagating polymers which eventually plug the handling equipment comprising handling said olefinic hydrocarbons until a small amount of said self-propagating polymer is formed, removing the olefinic hydrocarbons from the polymer, treating the said polymer at reaction conditions in the absence of said olefinic hydrocarbons with an agent capable of reacting therewith at said reaction conditions by addition to an olefinic linkage whereby further growth of said polymer is inhibited and then recontacting the olefinic hydrocarbon with the treated growth inhibited polymer.

2,483,779
MOUNTING FOR ROTARY SHAFTS
George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application June 27, 1945, Serial No. 601,894
4 Claims. (Cl. 188—83)



1. A mounting for a rotary shaft comprising a supporting member encircling the shaft and a unitary resilient body interposed between said shaft and said supporting member for permanent contact with these two parts, the said resilient body including a pair of roughly oppositely arranged arms extending lengthwise of the shaft and a cylinder segment connecting the arms intermediate their ends, the terminal parts of the arms and the sleeve being curved in conformity with the curvature of the shaft and supporting member, and the arms including at their medial section portions bulging lengthwise of said shaft.

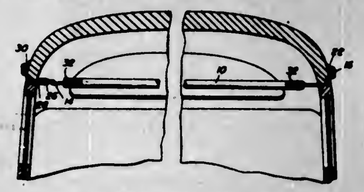
2,483,780
CYCLONE BURNER
Benjamin J. Parmele, Wilmington, N. C.
Application October 30, 1946, Serial No. 706,625
7 Claims. (Cl. 110—28)



1. Improvements in cyclonic burners for various fuels, of the type comprising a vertical combustion chamber provided with a discharge port in the upper portion thereof and the lower portion of which comprises a bottom plate, constituted of battens in a slanting and stepped arrangement forming passage apertures for the compressed air supplied to the burner, and a central projection having lateral walls, said bottom plate, in its part constituted of the battens slantingly arranged in the form of a louvre, being delimited by the lateral walls of the chamber and the central projection and forming therewith a channel providing a closed continuous circuit constituting a circulation path for the fuel.

2,483,781
CLOTHES HANGER
William H. Perryman, Alpine, Tex.
Application May 3, 1948, Serial No. 24,910
1 Claim. (Cl. 224—42.1)

For use in vehicles having a roof and gutters adjacent opposite sides of said roof, means for retaining articles suspended within the vehicle comprising a rod having flexible straps attached to each end thereof, brackets attached to said flexible straps, said brackets having curved terminal portions lockingly engaging the gutters of the vehicle roof, means for adjusting the effective length



of one of said straps, said last mentioned means comprising a buckle, and said straps adapted to extend from the interior of the vehicle through a door opening to be clamped firmly by means of the door cooperating with the opening.

2,483,782
PREPARATION OF PLURAL SILICA-CONTAINING HYDROGEL CATALYSTS
Jerry A. Pierce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 22, 1946, Serial No. 711,797
3 Claims. (Cl. 252—453)

1. Improved process for the preparation of homogeneous plural hydrogels comprising silica which comprises preparing a silica sol, allowing said silica sol to thicken to a viscosity of about 1000 to 5000 centipoises at a temperature of about 68° F., adding to said thickened silica sol selected from the group consisting of alumina and beryllia sols a secondary sol whereby common precipitation of the sols is simultaneously secured to form a homogeneous plural hydrogel.

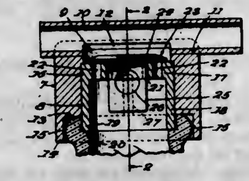
2,483,783
TREATMENT OF SPINNERETS TO MINIMIZE CONTAMINATION THEREOF
James J. Polak, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application January 31, 1946, Serial No. 644,663
3 Claims. (Cl. 18—54)

1. Incident to the manufacture of viscose rayon wherein a viscose solution is extruded through minute spinneret orifices into an acid spinbath to form threads and the like therefrom, a process of treating spinnerets having moisture adsorbed on the surface thereof, which comprises contacting the spinnerets with an organo-silicon halide to effect the reaction of the halide with the moisture and the resultant formation in situ of a very thin, substantially permanent, acid resistant, water repellent organo-silicone film on the surface of the spinnerets whereby contamination of the spinneret orifices during the spinning operation is inhibited.

2,483,784
POURING CAP
Thomas M. Punchak, Cleveland, Ohio
Application March 31, 1947, Serial No. 738,445
2 Claims. (Cl. 215—74)

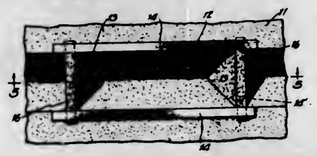
1. A pouring cap for milk bottles having an internal closure supporting shoulder, said cap comprising a body having a closed upper end and a recess extending upwardly from its lower end,

said recess having a lower portion of a diameter to fit tightly on the mouth of a milk bottle, a median portion of substantially the same diameter as the outer diameter of the said closure supporting shoulder, said recess further having an upper valve receiving portion of less area



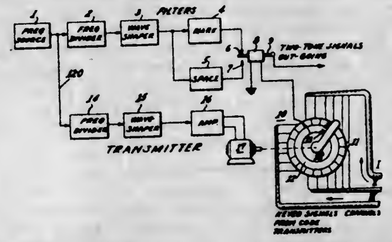
than the median portion, a transverse tube communicating with the last mentioned portion of the recess and having one end constituting an air inlet and the other end constituting a fluid outlet, a valve seat slidably supported in the median portion of the recess and a gravity activated valve in said valve receiving portion of the recess.

2,483,785
METHOD OF MAKING SKYLIGHTS
Edward Schottland, Forest Hills, N. Y., assignor of one-half to Robert Schottland, Jackson Heights, N. Y.
Application November 18, 1942, Serial No. 465,984
4 Claims. (Cl. 49—84)



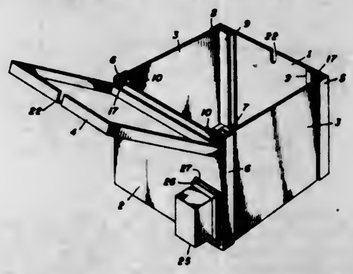
3. The method of treating a quadrangular flat sheet of plastic material to form a dome-like structure, said method consisting in shaping the sheet to make the sides and ends thereof convex, supporting said sheet at the sides and ends and simultaneously bending the sheet along the middle between said sides and ends and from the corners diagonally toward the middle of said sheet.

2,483,786
SYNCHRONIZING SYSTEM FOR TELEGRAPHY
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 25, 1945, Serial No. 612,682
8 Claims. (Cl. 178—66)



5. A receiving station including means for discriminating between one and a second of two characteristic frequencies used as tone modulations in the transmission of code signals, a locking circuit operable in response to transitions from one to another of said frequencies, circuit means under control of said locking circuit and including contacts of a receiving distributor for allocating the marking and spacing code elements cyclically to different translating units, and means subject to control by derivatives from both of said tone modulations for producing an alternating current of fixed frequency which bears different fixed ratios to the respective modulation frequencies for driving said distributor in synchronous relation to the code element signalling speed.

2,483,787
KNOCKDOWN BOX STRUCTURE FOR FISHING AND TIP-UP SIGNALING DEVICES
Edward E. Sheraski, Manitowoc, Wis.
Application September 23, 1948, Serial No. 50,822
3 Claims. (Cl. 263—40)



3. In a box structure, a wall panel having an opening therein for admitting heat into said structure, an open front lamp housing for attachment to said wall panel over said opening to contain a lamp for generating heat, means for attaching said housing comprising an external front edge flange on said housing and a keeper frame surrounding said opening part way and into which said flange is slidable, and a louvre plate in the open front of said housing for preventing the lamp from being blown out and admitting air to said housing for combustion purposes, said plate being pivoted in said housing for swinging out of the same for access to said lamp when said housing is detached and being held against such swinging by engagement with an edge of said opening when the housing is attached.

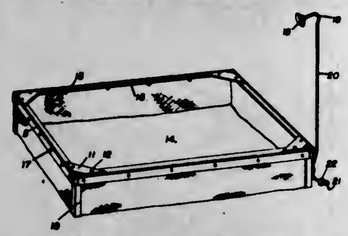
2,483,788
FISHING FLOAT
Alvin W. Smith, Cincinnati, Ohio; John G. Robinson, administrator of said Alvin W. Smith, deceased, assignor to Emma L. Bauer, Cincinnati, Ohio
Application April 20, 1948, Serial No. 22,092
1 Claim. (Cl. 43—49)



A float of the nature disclosed, comprising: an elongated body having a kerf extending longitudinally thereof, the body at each of its opposite ends having a headed peg centrally, fixedly socketed therein, the pegs being formed of a moldable material to give greater durability to the ends of the float and providing journal supports, each peg having a kerf extending longitudinally therein in registry with and for con-

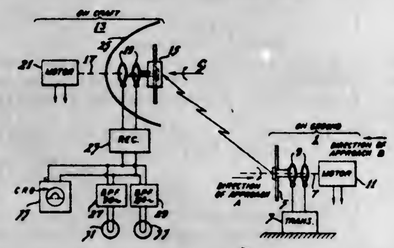
tinuity of the body kerf, and split ring clips each mounted upon and laterally confined upon one of said pegs, rotative thereon to bring the slit of the clip into and out of registry with the kerf in the peg for applying and sustaining the float upon a fishing line and for its removal therefrom, one of said clips and its peg support each having an aperture therethrough for threading a loop in the line therethrough and to circumferentially encircle the same about the clip for binding the float to the line.

2,483,789
PORTABLE OUTDOOR WADING POOL
Parker K. Smith, Interlakea, and Moritz Nappe, Farmingdale, N. J.
Application November 26, 1946, Serial No. 712,426
4 Claims. (Cl. 4—177)



1. A portable outdoor wading pool comprising a rectangular collapsible frame, standards at each corner of the frame, studs provided on the inner face of said frame, an open collapsible body, grommets provided on the upper border of said body engaging said studs, an upwardly extending shower pipe, means for securing said pipe to one of the standards, a spray cup carried by the upper end of said shower pipe, a hose coupling at the lower end of said shower pipe for attaching a garden hose thereto, and diagonal bracing members carried by said frame at each corner thereof forming seats.

2,483,790
RADIO BEACON
Edward Stanko, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 27, 1945, Serial No. 631,166
4 Claims. (Cl. 343—101)

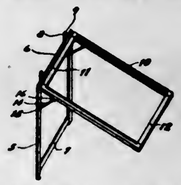


1. A system for indicating the direction of approach or departure of one station to or from another comprising, at one of said stations, a radio transmitter, a dipole antenna coupled to said transmitter, and means for continuously rotating said dipole in a vertical plane; a radio receiver at the other of said stations, a dipole antenna coupled to said receiver, and means for continuously rotating said last mentioned dipole in a vertical plane; band pass filters connected to the output circuit of said receiver, and tuned respectively to frequencies corresponding to the sum and to the difference of the speeds of rotation of said dipoles, and distinguishable indicator means connected respectively to said filters.

2,483,791
DIENE ADDITION PRODUCT AND PROCESS FOR MAKING IT
Howard M. Teeter, Charles R. Scholfield, and John C. Cowan, Peoria, Ill., assignors to The United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 19, 1946, Serial No. 684,915
21 Claims. (Cl. 260—404.8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of making a 1,4-diene adduct, comprising reacting a conjugated dienic high molecular weight alcohol having the carbon skeleton of a soybean oil fatty acid with ethyl crotonate for 10 to 20 hours at 175° to 275° C.

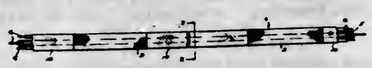
2,483,792
DIAPER DRIER
Lois E. Ten Cate, Holland, Mich.
Application October 9, 1946, Serial No. 702,227
1 Claim. (Cl. 211—169)



A clothes drying rack comprising a substantially rectangular base frame including spaced side rails, an upper rail and a lower rail, brackets carried by the upper rail of said base frame for attaching the base frame to a supporting structure, a movable support frame including spaced side rails and end rails, one end rail of said movable frame being hinged to the upper rail of said base frame for upward and downward pivotal movement of said movable frame relative to said base frame, folding brace means connecting the base frame to the movable frame for retaining the movable frame in a raised position relative to the base frame, said movable frame being foldable against the base frame with the side rails of the movable frame opposing the side rails of the base frame, the side rails of the movable frame having rabbeted inner edges, and outwardly projecting clothes engaging pins extending from the rabbeted edges of the side rails of the movable frame, the longitudinal axis of said pins being perpendicular to the longitudinal axes of the movable frame, the outer pointed extremities of said pins being substantially coplanar with the outer face of the side rails of the movable frame.

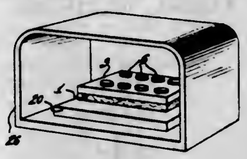
2,483,793
FIRE ALARM CABLE
Floyd M. Thomas, Findlay, Ohio
Application September 21, 1946, Serial No. 698,489
1 Claim. (Cl. 200—143)

A fire alarm cable of the character described, comprising an easily fusible soft metal wire, a plurality of hard metal wires grouped about and spaced from said soft metal wire and from each other, said wires all being straight and the soft



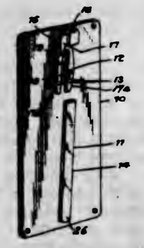
metal wire being disposed axially of the insulation, said insulation comprising short alternating readily combustible and non-combustible lengths.

2,483,794
SAGGER
Chandler Wentworth, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 10, 1945, Serial No. 593,071
4 Claims. (Cl. 106—57)



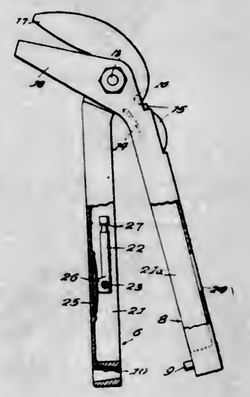
1. A saggar made of a mixture containing 15% to 20% by weight of a titanate from the class consisting of barium, strontium, calcium, magnesium, and lead titanates, and 85% to 80% by weight of zirconium oxide.

2,483,795
POCKET SAFETY DEVICE
Jack Werber, Beacon, N. Y.
Application November 26, 1945, Serial No. 630,868
1 Claim. (Cl. 24—11)



A device for securing an article to a garment having a pocket, comprising a relatively large attaching plate secured inside said article, a clip having spaced members joined to form a bight, said members consisting of a clamping member and a reach member, the latter having a bifurcated end with separated arms, said clamping member being longer than said reach member, means connecting the terminal of the reach member with the plate whereby the clip has pivotal movement with respect to the plate and enables the clamping member to grip the edge of the pocket when the clip straddles same, said means consisting of spaced ears on the plate, said article having an opening through which said ears project, and a pivot pin extending through the ears and said arms, said ears lying between said arms, and a spring coiled around said pivot and having one end bearing on the reach member and a second end bearing on said plate, said spring acting on the clip to urge the clamping member into a gripping position.

2,483,796
ASBESTOS SHINGLE NAIL HOLE PUNCH
William D. Westmoreland, Overton, Tex.
Application October 24, 1947, Serial No. 781,779
4 Claims. (Cl. 125—23)



1. A punching tool comprising two members having a punch and a punch-receiving opening respectively, means mounting said members for relative opening and closing movements, and an arm connected to one of said members and extending beyond the other of said members, the outer end of said arm having a shoulder to be engaged by the claws of a claw hammer when the latter is fulcrumed in nail-pulling position upon said other of said members, whereby, the hammer is operable to relatively close said members.

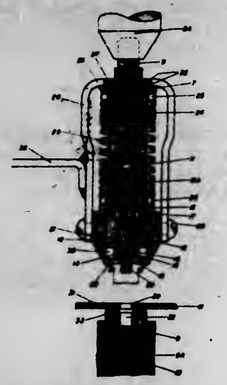
2,483,797
TALL OIL ACID COMPOSITION
Edward A. Van Valkenburgh, Greene, N. Y.
No Drawing. Application November 23, 1948, Serial No. 61,744
6 Claims. (Cl. 260—97.5)

1. A tall oil acid composition containing from about 10 to 90% of the aliphatic amine soaps of tall oil acids and from about 90 to 10% of free tall oil acids, said composition being free from uncombined amine.

2,483,798
APPARATUS FOR THE DIMPLING OF HARD METAL ALLOYS
Hermann E. Veit, Towson, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application August 4, 1944, Serial No. 548,073
5 Claims. (Cl. 153—21)

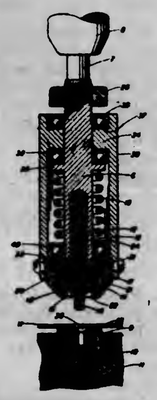
4. A dimpling tool comprising an anvil for supporting a work piece, said anvil being formed with a conical dimple recess, a rotatable spinning means formed with laterally projecting ribs and having a conical profile, said spinning means being mounted for advancement into the recess in

said anvil, burring means carried by the spinning means and located at the outer periphery of



said spinning means to remove a burr formed around a dimple in said work piece.

2,483,799
DIMPLING TOOL
Hermann E. Veit, Towson, Md., and Clarence H. Krout, York, Pa., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application June 26, 1945, Serial No. 601,668
4 Claims. (Cl. 153—21)

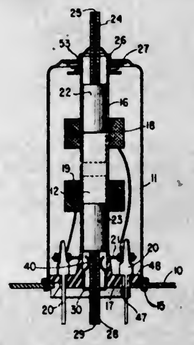


1. A tool for dimpling sheet metal stock comprising an anvil having a conical recess and a coaxial pilot bore, means adapted to be moved toward and away from said anvil including a pilot to center the stock with respect to said bore, a metal spinning member rotatable about the axis of said pilot to spin the stock to be dimpled into the recess of said anvil as the pilot is advanced with respect to said bore, a metal cutting means placed radially relative to and carried by the spinning member for rotation therewith to trim the burr at the juncture between the surface of the sheet stock and the stock spun into the anvil recess, a pressure pad journaled on the spinning member, and means on the spinning member and pad adapted to limit the movement of said spinning member toward said anvil and thereby control the amount of spinning of the stock.

2,483,800
GREASE COMPOSITION
John C. Zimmer, Union, and Gordon W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 23, 1948, Serial No. 22,958
6 Claims. (Cl. 252—33.2)

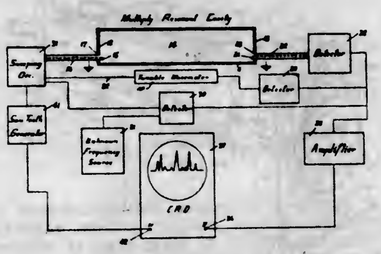
1. A grease composition comprising a major proportion mineral base lubricating oil and sufficient of the complex reaction product of an oil-soluble salt of a sulfonic acid having a molecular weight of approximately 300 to 600 and a water-soluble salt of an inorganic acid in which at least one cation in the above salts is polyvalent, said salt being substantially free of chloride ions to thicken the mineral oil to a grease consistency.

2,483,801
INTERMEDIATE FREQUENCY UNIT
Rudolph A. Becwar, Berwyn, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application March 1, 1946, Serial No. 651,399
3 Claims. (Cl. 175—359)



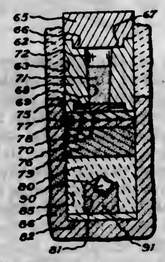
1. In a radio receiver, a chassis for mounting components of the radio receiver thereon having a circular opening therein and projecting portions extending into said opening on the opposite sides thereof, and an intermediate frequency coil assembly mounted on said chassis including an intermediate frequency coil unit and a shielding can therefor, said shielding can having an open end with a groove thereon which is firmly secured to said chassis at said opening, said coil unit including a coil form having a tubular portion and an extended annular base portion at one end thereof, primary and secondary coils wound on said tubular portion and core members positioned inside said tubular portion having extensions projecting out the opposite ends thereof, a first clip secured to said tubular portion at the end remote from said base portion engaging one of said core extensions, spring means supported by said first clip, a second clip secured to said base portion engaging the other core extension and including a terminal for grounding this extension, terminals on said base portion for making electrical connection to said coils, said base portion having recesses thereon registering with said projecting portions and cooperating with said spring means for removably positioning said coil unit in said shielding can, said spring means being adapted to automatically ground said first clip when said coil unit is supported in said shielding can.

2,483,802
ULTRA HIGH FREQUENCY MEASURING DEVICE
William E. Bradley, Swathmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1944, Serial No. 541,204
17 Claims. (Cl. 250—39)



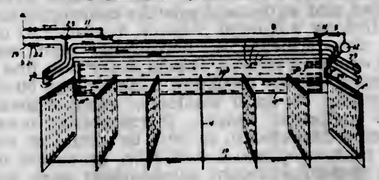
1. In a wave meter system for measuring the frequency of a signal, a cavity resonator of fixed geometric construction; means for impressing a range of frequencies on said cavity resonator; an oscilloscope; means for indicating on said oscilloscope the transmission characteristics of said cavity resonator for the frequencies impressed on said cavity resonator said means being controlled by said signal frequency being measured for producing a change in the indication on said oscilloscope as the range of frequencies passes through said unknown frequency.

2,483,803
HIGH-PRESSURE AND HIGH-TEMPERATURE TEST APPARATUS
Percy W. Bridgman, Cambridge, Samuel S. Kistler, West Boylston, and William Maxwell Wheildon, Jr., Framingham, Mass., assignors, by direct and mesne assignments, to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 22, 1946, Serial No. 711,572
6 Claims. (Cl. 73—15.4)



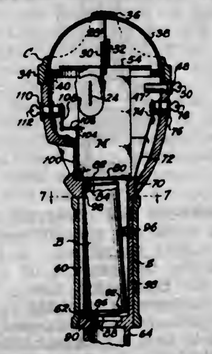
5. In apparatus for coincidentally heating a specimen and subjecting it to high pressure, a mold having a bore, means blocking one end of the bore, a piston ram fitting the bore, a mass of refractory material in the bore said mass having a cavity, and in the cavity the following: a shearable element, a detonating charge adjacent the shearable element in such position that when the element is sheared part of it hits the detonating charge, an igniter charge adjacent the detonating charge, and a main exothermic charge adjacent the igniter charge, whereby when the piston ram exerts high pressure in the bore of the mold the element is sheared, the detonating charge is set off, the igniter charge is set off and the exothermic charge creates intense heat coincidentally with the pressure while the refractory material retards cooling.

2,483,804
SWEAT ELIMINATOR FOR FROZEN FOOD CASES
Clinton C. Brinkoeter, San Antonio, Tex., assignor to Ed. Friedrich, Inc., San Antonio, Tex., a corporation of Texas
Application September 15, 1947, Serial No. 774,055
3 Claims. (Cl. 62—89)



2. In a refrigerating system for open top frozen food cases wherein a freezing unit is employed in the food chamber beneath a semi-ceiling and wherein the usual compressor, condenser and receiver are employed, and wherein the usual liquid and return lines and heat exchanger are employed, the improvement which comprises a restricted by-pass duct between the high side of the compressor and the liquid line, said by-pass duct including warming coils in the case along three sides of the opening at the top of the case and adjacent the walls surrounding the same.

2,483,805
COIN MECHANISM HOUSING
Robert F. Broussard, Houston, Tex., and Lester D. Sollenberger, Chicago, Ill., assignors, by direct and mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois
Application March 5, 1948, Serial No. 13,254
23 Claims. (Cl. 232—1)

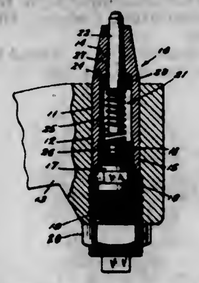


1. The combination in a parking meter, of a meter mechanism including visual indicating means, a housing having a top opening, the meter mechanism being disposed within and removable only through the top thereof, and a cap forming a closure for the housing top opening and comprising a circular base, a ring screw threaded within the base for rotative movement therein, an arched bridge spanning the base, and a hemispherical dome of transparent material supported between the base ring and the bridge, the indicating means being visible through the dome.

2,483,806
WATERPROOF CONCRETE COMPOSITION
Walter D. Buckley, Berkeley, and Paul E. McCoy, San Francisco, Calif., assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 18, 1946, Serial No. 697,334
10 Claims. (Cl. 106—96)

4. A material of construction comprising a set, cured mixture of mineral aggregate, a setting agent selected from the group consisting of a Portland type hydraulic cement and gypsum plaster, and water, said mixture containing about 0.5–15% by weight of a freely flowing, full mixing, non-fermentable, non-grainy oil-in-water type emulsion capable of admixture with fine aggregates without breakdown, comprising 50–70% by weight of water-insoluble, water-dispersible high molecular weight, thermoplastic organic material dispersed in 20–50% by weight of water and containing about 0.25–2.0% by weight of a high molecular weight substantially pure lignin derivative of waste sulfate black liquor, said substantially pure lignin derivative being water-insoluble; soluble in aqueous caustic solutions; substantially free of ash, water-soluble alkali metal salts and low molecular weight organic compounds; said emulsion having a pH of about 4.0–7.5, said material of construction having a 28-day compressive strength not substantially less than the 28-day compressive strength of said material without said emulsion.

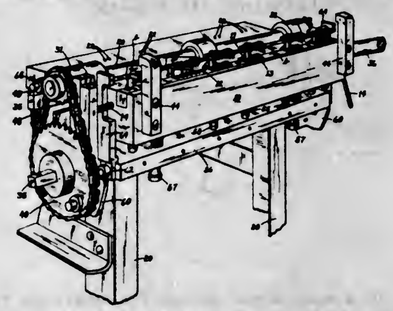
2,483,807
ANVIL UNIT FOR RIVET SETTING MACHINES
Victor M. Caltham, Stratford, Conn., assignor to Milford Rivet and Machine Company, Milford, Conn., a corporation of Connecticut
Application May 2, 1947, Serial No. 745,419
10 Claims. (Cl. 218—1)



1. A rivet setting tool comprising a tubular body; a round guide pin slidably carried in said body for protrusion therefrom; and adjustable means for limiting the amount of protrusion of the pin from the body, said means including a collar having a bore of slightly less diameter than the pin; affixed to the pin solely by a press fit, and located to abut a portion of the body, said collar being shiftable to different positions on the pin.

2,483,808
CASTING MACHINE
Benjamin S. Carpenter, Alhambra, Calif., assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 9, 1944, Serial No. 548,643
4 Claims. (Cl. 22—92)

1. In a casting machine having a frame, a mold member having a mold cavity therein, means for connecting said mold member to said frame and a gate member above said mold member, the combination with said frame, mold member, connecting means and gate member of a shaft located to one side of said mold member and rotatably supported by said frame, a pinion gear on said shaft, a first member carried by said shaft and rotatable relative thereto, a second



member fixedly connected to said gate member and slidably supported in said first member, a rack on said second member in mesh with said pinion gear, means for limiting the relative movement between said pinion and said rack whereby said gate member is first reciprocated and then rotated in sequence upon oscillation of said shaft, and means for oscillating said shaft.

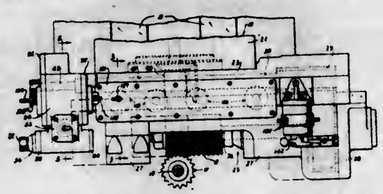
2,483,809
COMBINED SHOULDER PAD SUPPORT AND BRASSIÈRE
Sara L. Clark and Maud Raphael, Sierra Madre, Calif.; said Raphael assignor to said Clark
Application April 25, 1946, Serial No. 664,928
7 Claims. (Cl. 2—268)



1. In a device of the character referred to, a pair of pads adapted to rest upon the shoulders and embrace the front and rear thereof, each pad having secured on the outside thereof a strap, the ends of said strap extending beyond the lower edges of the pad, a loop on the underside of said pad, a brassière suspender threaded through said loop, the ends of said strap being connected with said suspender, and means extended through said pad to adjust the front and rear of said pad to the shoulder of the wearer.

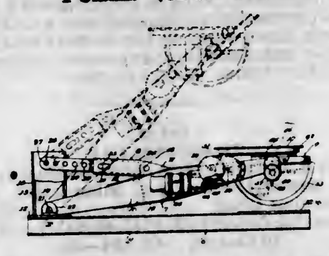
2,483,810
AUTOMATIC HOB SLIDE
Ralph L. Cotta, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application September 26, 1945, Serial No. 618,716
6 Claims. (Cl. 90—4)

1. An automatic slide comprising, in combination, a support, a spindle mounted on said support for rotary drive and for axial movement through a predetermined range, said spindle being adapted to support a tool for rotation and axial movement therewith, and means operable through an automatic cycle to shift said spindle axially in successive cycles through a series of adjustments within said range, said means comprising a reciprocable hydraulic actuator having a piston with a longitudinal rack gear, a unidirectional overrunning clutch having an oscillatory ring gear meshing with said rack gear, adjusting means for shifting said spindle, a gear transmission including a reversing mechanism



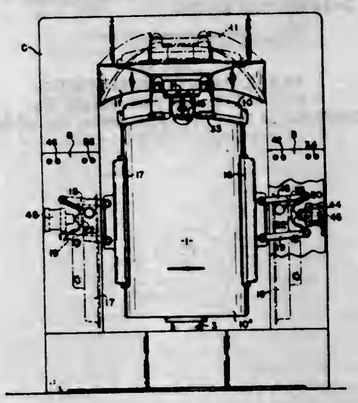
for connecting said overrunning clutch to said adjusting means, control means automatically operable in each cycle to reciprocate said actuator through a working stroke and a return stroke, means for adjustably controlling the extent of reciprocation of said piston, and means automatically operable upon movement of said spindle into either end position of said range to reverse said reversing mechanism.

2,483,811
WORK POSITIONER
Edward V. Cullen, Chicago, Ill., assignor to The Cullen-Friestedt Company, Chicago, Ill., a corporation of Illinois
Application September 10, 1945, Serial No. 615,288
1 Claim. (Cl. 29—288)



In a work positioner comprising a rigid elongated boom type frame having one end thereof pivotally mounted so as to permit it to swing upwards and downwards about a substantially horizontal axis, and embodying at its distal end a work supporting and retaining table together with a mount for supporting the table so that it is capable of being rotated about its center and also tilted back and forth between a position wherein it overlies the distal end of the frame and an inverted position wherein it underlies said distal end of the frame, the combination of a rigid upstanding mast positioned adjacent the proximal end of the frame, and means for retaining the frame in the various positions into which it is swung disposed wholly on the upper side of the frame and comprising a bar type link member having one end thereof pivotally connected to the upper end of the frame and embodying in its other end a longitudinal series of spaced apart transverse holes, a tubular link member having one end thereof pivotally connected to the central portion of the frame and its other end telescopically connected to said other end of the bar type link member and provided with a pair of opposed longitudinally extending elongated apertures, and a pin extending across and removably mounted in said apertures and adapted to fit within any one of the holes of said series.

2,483,812
SINGLE LAY SHIRT PRESS
Ernest Davis and Emil A. Winnewisser, Syracuse, N. Y., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application October 23, 1945, Serial No. 624,034
10 Claims. (Cl. 223—57)



1. In a shirt pressing machine, a supporting frame, a body form on which the shirt is dressed, the body form being elliptical in general contour in cross section, so that with the shirt dressed thereon the side seams are at the ends of the long diameter of the elliptical formation, a pair of side seam pressing elements and a pair of front and back pressing elements, the side seam pressing elements and the back and front pressing elements being movable in parallel planes with one pair of pressing elements in the rear of the other, a carrier for the form operable to shift the form from its position occupied when in juxtaposition to the side seam pressing elements into juxtaposition to the front and back pressing elements and to give the form a quarter turn during such shifting movement, and vice-versa, and means for controlling the successive operations of the pair of side seam pressing elements, the release of the same, the operation of the carrier, the operation of the pair of front and back pressing elements, the release of the same, and the reverse movement of said elements, carrier and form to return the form to starting position.

2,483,813
STAIR CARPET HOLDER
Frank Leonard Davis, Birmingham, England
Application August 10, 1945, Serial No. 609,965
In Great Britain May 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 25, 1964
1 Claim. (Cl. 16—10)

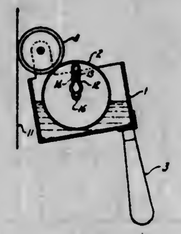
A stair carpet holder comprising a bracket member adapted to be secured to the stairway, and a slide member for engaging the bracket and the carpet to retain the carpet in position, said bracket member having spaced guides said slide member having a slide arm the edges of which are adapted to engage said guides, said slide arm having a pair of spaced slits extending to its

distal end, the material between the slits being bent backwardly to form an inclined projection



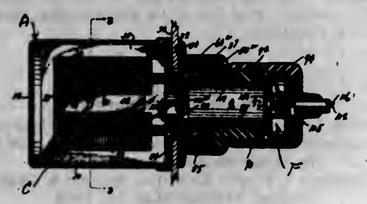
adapted to engage the front of the bracket member between the guides.

2,483,814
WALL PAINTING MACHINE
Byron L. Dean, Pittsburgh, Pa.
Application May 11, 1945, Serial No. 593,137
1 Claim. (Cl. 91—62.5)



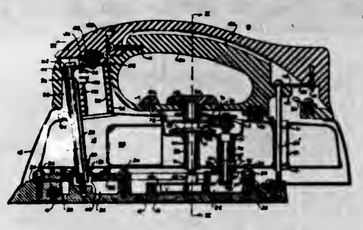
In a machine for applying liquid coating to a wall, a container for liquid coating, a feed roll in contact with said liquid, an applicator roll for applying the coating to a wall, and means operable in one position of said machine for connecting the surfaces of said rolls to transfer the coating material from the feed roll to the applicator roll and thence to the wall, said means comprising a plurality of hanger brackets pivotally mounted on the inner walls of said container having journals for receiving the ends of the feed roll whereby the feed roll is suspended vertically in the container and adapted to be swung into and out of contact with the applicator roll by tilting the container.

2,483,815
ELECTRICAL PLUG AND JACK CONNECTION
Bertie Easton, Saginaw, Mich.
Application March 14, 1946, Serial No. 654,294
3 Claims. (Cl. 175—356)



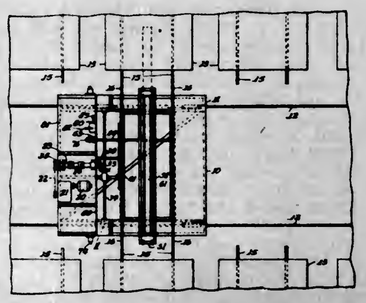
2. In a transformer type connecter unit the combination of a pair of complementary telescoping casings of insulation material each defining a hermetically sealed compartment, complementary laminated core and windings hermetically sealed in each of said compartments, and means to detachably connect said casings with the cores and windings in operative relation to each other.

2,483,816
FLASH TYPE STEAM IRON CONSTRUCTION
Roy H. Edwards, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 21, 1945, Serial No. 583,903
7 Claims. (Cl. 38—77)



1. A steam iron including a handle, a soleplate, a heating element therefor, a tank adapted to contain water to be changed into steam and discharged onto the fabric being ironed, a steam generating chamber carried by the soleplate for receiving water from said tank and converting it into steam, a cover for said steam chamber, there being an opening in said cover, a nipple carried by said tank and adapted to extend into said chamber through said opening, said nipple having a valved orifice for delivering measured quantities of water from said tank to said chamber, a flange carried by said nipple and adapted to seat on the rim of said opening, means securing said handle, said soleplate, and said tank together, and means for exerting a following yielding pressure on said nipple, to produce and maintain a fluidtight joint between said cover and said flange, said means being in the nature of a spring, confined between said handle and a portion of said tank in proximity to the vertical axis of said nipple, to exert downward pressure against said tank in the vicinity of said nipple.

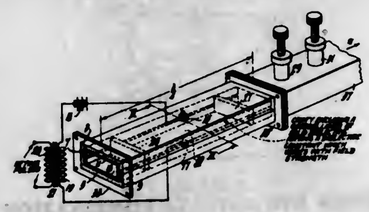
2,483,817
TRANSFER CAR
William E. Ehinger, Tiffin, Ohio, assignor to Webster Manufacturing, Inc., Tiffin, Ohio, a corporation of Ohio
Application October 29, 1943, Serial No. 508,271
10 Claims. (Cl. 104—50)



1. The combination with a transfer car having tracks to register with oven tracks at the sides thereof, of a furnace car movable on said tracks, rack and latch mechanism carried by the transfer car and movable directly together to engage the furnace car to propel it to and from the transfer car, a driving motor on the transfer car, furnace car locking mechanism

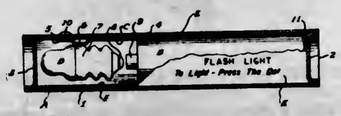
comprising projections movable across the furnace car tracks on opposite sides of one of the wheels, and a clutch mechanism on the transfer car for connecting the driving motor with the rack mechanism and including operating means also connected with said locking mechanism for removing the projections in connecting the driving motor to operate the rack mechanism.

2,483,818
VARIABLE REACTIVE MICROWAVE DEVICE
John Evans, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application October 31, 1944, Serial No. 561,277. Divided and this application July 18, 1947, Serial No. 761,969
5 Claims. (Cl. 332—29)
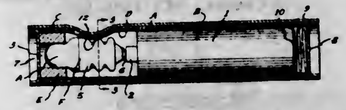


1. In a modulation system including a source of microwave oscillations, a load, a transmission line interconnecting said oscillation source and said load and a source of modulation potentials, the improvement comprising a variable reactive device operable upon said oscillation source and comprising a section of waveguide containing a pliant dielectric, comminuted particles of solid material mixed with said dielectric, means for establishing a field transversely of said waveguide section for orienting said particles, and means for varying said field in response to said modulation potentials to modulate said oscillations.

2,483,819
ELECTRIC FLASHLIGHT
Raymond L. Faige, Bethesda, Md.
Application April 9, 1946, Serial No. 660,631
3 Claims. (Cl. 240—10.68)



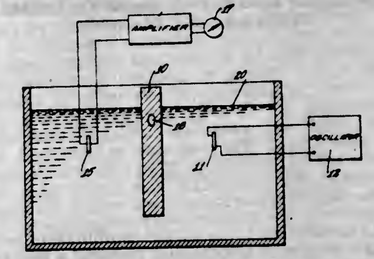
1. In a portable throw away flashlight, an electric battery having a metallic jacket constituting one of its poles and having its other pole at one of its ends, an electric light blub having a current conducting base and a terminal insulated therefrom, a flexible elongated resilient current conducting element having one end directly attached and permanently secured to the jacket of the battery and adjacent its other end being directly and permanently secured to the base of said light bulb, said element normally supporting said bulb with its terminal in spaced relationship to the pole at the end of the battery, a permanently sealed and air and water tight carrier enclosing said named parts and having an end through which the light generated by said bulb may pass, and said carrier having a flexible area adjacent said flexible resilient element which upon the application of an inward pressure will move the light bulb and cause the spaced terminal thereof and the pole at the end of the battery to electrically engage and illuminate the light bulb.

2,483,820
FLASHLIGHT
Raymond L. Faige, Bethesda, Md.
Application April 9, 1946, Serial No. 660,632
3 Claims. (Cl. 240—10.68)



1. In a portable electric flashlight, a carrier having flexible side walls and an end which will permit the passage of light therethrough, said carrier constituting an enclosing housing for the following: an electric battery having a metallic jacket constituting one of its poles and having its other pole at one of its ends, an electric light bulb having a current conducting base and in one of its ends a terminal electrically insulated from said base, the terminal of the light bulb having current conducting engagement with the pole in the battery end, an elongated metallic flexible tubular resilient current conducting element having one end encircling and in current conducting contact with the jacket of the battery, the other end of said element completely encircling the current conducting base of the light bulb but being disposed normally in spaced relationship thereto, and the parts operating whereby an inward pressure upon the carrier at any point in its circumference about the current conducting base of the light bulb will move said tubular flexible current conducting element inwardly to electrically contact said bulb base to cause the closing of the electric circuit to the bulb and the illumination thereof.

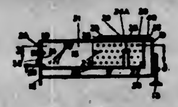
2,483,821
INSPECTION OF A SOLID PART UTILIZING SUPERSONIC TRANSMISSION
Floyd A. Firestone, Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application June 28, 1945, Serial No. 602,103
3 Claims. (Cl. 73—67)



1. In a supersonic inspection system for a solid body, wherein supersonic waves are adapted to be passed through the body from a transmitter spaced from the body and the waves are measured by a receiver spaced from the body, the method of minimizing the standing waves between the body and the transmitter and between the body and the receiver, which consists in immersing the body, the receiver and the transmitter in a liquid having wave attenuating properties suffi-

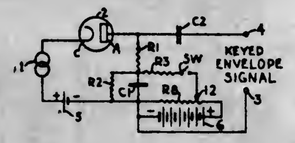
cient to reduce the standing waves to a point where they are insufficient to interfere with the effect of the smallest defects to be detected in the body, and amplifying the waves received by the receiver to such degree as to make them measurable.

2,483,823
OIL BURNER WITH CASING
Joseph D. Garrett, Portland, Oreg.
Application July 24, 1946, Serial No. 685,866
2 Claims. (Cl. 158—91)



1. An oil burner comprising a receptacle for liquid fuel and including a bottom wall and perforate side and rear walls, a casing having bottom and rear walls spaced from the corresponding adjacent walls of said receptacle, a front plate forming a forward wall of both said receptacle and said casing, an opening in said front plate defining an air inlet communicating with the space between said receptacle and said casing, a substantially horizontal plate joined to said front plate and forming a top wall for both said receptacle and said casing, a second plate spaced above said horizontal plate and sealed around the edges thereto and defining an air passage therebetween, openings adjacent the marginal portions of said horizontal plate establishing communication between said casing externally of said receptacle and the space between said horizontal plate and said second plate, a pair of coaxial round openings in said horizontal plate and said second plate respectively above said receptacle, and a tubular member defining an air duct extending upwardly through the bottom wall of said receptacle in symmetrical alignment with said pair of openings, the upper end of said tubular member terminating within said receptacle a short distance below said opening in said horizontal plate.

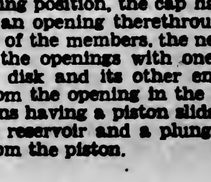
2,483,823
ELECTRONIC KEYING MEANS
Thomas J. George, Geneva, Ill.
Application April 7, 1947, Serial No. 739,852
20 Claims. (Cl. 84—1.26)



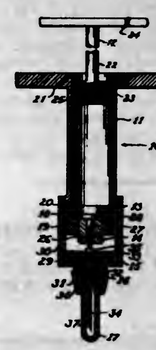
1. In an electronic organ the combination comprising a source of alternating current, a two element vacuum tube keying device having a cathode and an anode, a source of bias potential therefor, a load circuit for said vacuum tube including a resistor connected in series with a capacitor, a resistor connectod in parallel with said capacitor, said latter resistor having a high resistance value, a source of keying potential having one terminal connected to one terminal of said capacitor, and means for selectively connecting a resistor between the juncture of said capacitor and said first mentioned resistor and the other terminal of said source of keying potential.

2,483,824
DERIVATIVES OF 2,1-BENZOPYRAN
Bradford P. Geyer, Berkeley, and Seaver A. Ballard, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 29, 1947, Serial No. 764,584
11 Claims. (Cl. 260—333)

1. As a new chemical compound, a dimethyl-3,4,4a,5,8,8a-hexahydro-2,1-benzopyran-8a-carboxaldehyde corresponding in structure to the structural formula



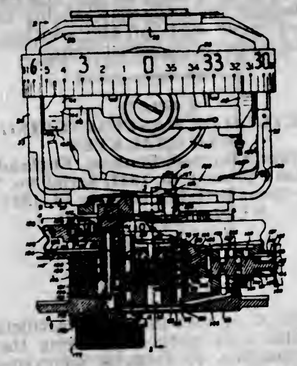
2,483,825
SYRINGE AND AMPOULE COMBINATION AND AMPOULE
Samuel D. Goldberg, Jamaica, N. Y.
Application August 12, 1946, Serial No. 689,913
11 Claims. (Cl. 128—218)



1. A syringe comprising a barrel member having a reservoir suitable for containing fluid medicament, a puncturable disk, a disk-retaining member, a needle, a cap for advancing the needle to puncture the disk, and means to exert pressure on and forcibly eject the medicament from the reservoir, the barrel member slidably carrying the pressure means at one end and a partial closure positioned in the vicinity of the other end forming a recess, the disk being disposed in the recess sealing the partial closure, the disk-retaining member having an opening therethrough and extending within the recess and holding the disk firmly in sealing position, the cap having a cover portion with an opening therethrough and sides engaging one of the members, the needle extending through the openings with one of its ends adjacent the disk and its other end projecting outwardly from the opening in the cap, and the pressure means having a piston slidably disposed in the barrel reservoir and a plunger extending outwardly from the piston.

2,483,826
GYROSCOPE
Floyd E. Gray, Dayton, Ohio
Application December 28, 1944, Serial No. 570,175
4 Claims. (Cl. 74—5.14)

1. In combination with a device, such as a gyroscope having a gimbal ring, a caging mechanism for the gimbal ring comprising a casing having relatively movable walls and a flexible sealing sleeve connected to said walls and cooperating with said walls to form a variable capacity chamber therebetween, a cam carried by one of the walls and movable relative thereto, a driving gear on the cam carrying wall, a driven gear on the



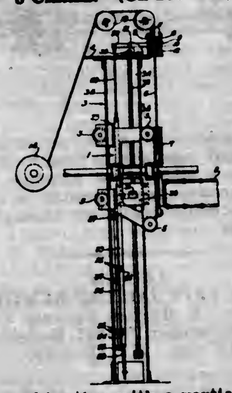
cam and cooperating with the driving gear, means for rotating the driving gear, a caging element operatively associated with the gimbal ring, a cam follower arranged in cooperative relation with said cam and ring, and means for controlling the flow of fluid between the chamber and the exterior thereof.

2,483,827
SEALING DEVICE
Cameron Guiler, Westboro, Mass.
Application September 28, 1945, Serial No. 619,155
1 Claim. (Cl. 286—5)



A pressure seal for inner and outer cooperating members comprising a housing in said outer member, said housing having an annular channel therein open to said inner member, a resilient annular element disposed in said channel and bearing against said inner member, said annular element having a normal width greater than the width of said channel, a spring surrounding said annular element, said spring having a normal inside diameter less than the outside diameter of said annular element whereby said spring distorts the cross sectional area of the annular member and forces it against said inner member, and a vent extending from the annular channel at a point adjacent said spring to the inner member on the low pressure side of said annular element.

2,483,828
EMERGENCY STOP MECHANISM
Edward A. Hanff, Pittsburgh, Pa., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1946, Serial No. 674,753
8 Claims. (Cl. 187—81)

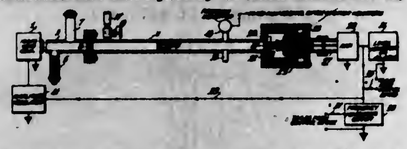


7. The combination with a vertical framework, of a carriage mounted in said framework for vertical movement, a cable connection between an upper portion of said framework and said carriage through which the latter is suspended, said cable connection comprising a dead end connection device and a guide pulley each mounted on the upper portion of said framework, a hoisting mechanism, a cable extending over said pulley and connected at one end to said mechanism and having its other end connected to said device and having a portion between said device and guide forming a depending loop engaging and supporting said carriage, a vertical element supported by said framework and having spaced apart, oppositely facing, vertically extending surfaces laterally displaced from said engaging part in a direction toward which one of said surfaces faces, a clutch lever having an arm normally in a generally horizontal position pivotally mounted on said carriage to turn about a horizontal axis and having a projection adjacent but vertically displaced from said axis and having a shoulder adjacent and facing said one surface and having a second shoulder at a higher level and adjacent and facing the other of said surfaces, said shoulders being spaced apart so that each shoulder is respectively in or out of frictional gripping engagement with said adjacent surface accordingly as said clutch lever is in its normal position or is tilted into a second position to raise said shoulders relative to said axis and means responsive to the reduction in cable tension occurring when the cable breaks and including a part movable horizontally into engagement with said projection to thereby tilt said arm about said axis into said position in which the clutch lever grips said vertical element and arrests down movement of the carriage.

2,483,829
MICROWAVE ACOUSTIC GAS ANALYSIS METHOD AND SYSTEM
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1945, Serial No. 596,244
16 Claims. (Cl. 73—24)

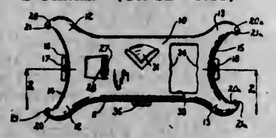
1. The method of analyzing the composition of gases having a microwave electromagnetic en-

ergy absorptive component enclosed within a gas chamber comprising irradiating said gases by modulated microwaves to establish acoustic pressure variations in said chamber, measuring the magnitude of said pressure variations, adjusting the modulation frequency of said microwaves, in



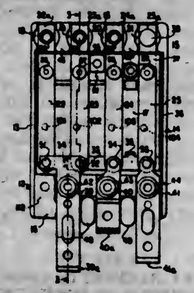
accordance with said pressure variations and measuring said modulation frequency, whereby said microwave absorptive gaseous component may be determined as a function of the magnitude of said pressure variations and said modulation frequency.

2,483,829
LEVER TYPE JAR CAP REMOVER
Johnstone E. Hughes, Ansonia, Conn.
Application September 13, 1947, Serial No. 773,831
1 Claim. (Cl. 81—3.46)



A tool for removing, from jars, caps having a depending flange, the jars having ledges spaced slightly below the depending flanges of the caps, said tool having a relatively broad body and an end edge portion of concave arcuate shape, prongs projecting inwardly from the ends of said arcuate portion in a substantially radial direction, said prongs having upwardly turned ends to enter between the cap flange and the jar, a toe member projecting from said arcuate portion at substantially the central portion thereof, and said toe member being curved downwardly from the arcuate edge portion of the tool body.

2,483,831
ELECTRIC SWITCH
Douglas F. Illian, Chicago, Ill., assignor to Hotpoint Inc., a corporation of New York
Application February 19, 1948, Serial No. 7,420
4 Claims. (Cl. 200—6)



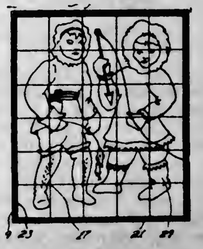
1. A switch comprising three load terminals, a bus, three line terminals, four movable contact fingers, a first of said contact fingers being connected to a first of said load terminals and movable between first and second positions respectively disengaging and engaging a first of said line terminals, a second of said contact fingers being connected to a second of said load terminals and movable between a first position respectively disengaging said first line terminal and engaging said bus and a second position respectively engaging said first line terminal and disengaging said bus, a third of said contact fingers being connected to a third of said load terminals and movable between a first position respectively disengaging a second of said line terminals and engaging said bus and a second position respectively engaging said second line terminal and disengaging said bus, a fourth of said contact fingers being connected to said bus and movable between first and second positions respectively disengaging and engaging a third of said line terminals, and mechanism for selectively moving in a predetermined order each of said contact fingers between its first and second positions.

2,483,832
METHOD OF MANUFACTURING ARTIFICIAL EYES
Arthur Kingston, Denham, England
Application February 15, 1947, Serial No. 728,917
In Great Britain February 18, 1946
8 Claims. (Cl. 18—59)



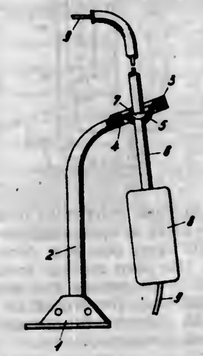
1. A method of manufacturing artificial eyes from plastics, said method including the steps of first moulding to form a concavo-convex sclera body with a recess in the convex surface thereof; inserting an iris disc and a corneal button in said recess; subjecting the assembly of sclera, iris disc and corneal button to combined heating and heavy pressure to marry the sclera body, the iris disc and the corneal button and to cause material at the boundary of the said recess to deform and produce an overlap of wedge section tapering to an edge in the direction radially towards the centre of the cornea; and cooling the resulting artificial eye in the mould, whilst simultaneously applying a follow-up pressure thereto.

2,483,833
TOY BLOCKS
Jacob Levin, Pittsburgh, Pa., assignor of one-fourth to Abe E. Fineman and F. Esther Fineman, and fifteen per cent to Hymen Diamond, all of Pittsburgh, Pa.
Application April 22, 1946, Serial No. 663,922
2 Claims. (Cl. 35—71)



1. Game apparatus comprising at least 26 blocks, each in the form of a rectangular parallelepiped, each block having impressed, on at least one of two of its faces which are at right angles, a different letter of the alphabet and, on the other of said two faces, a word and a picture illustrating a different letter of the alphabet and on each of the faces parallel to said two faces at right angles a section of a unitary pattern, the sections on the different blocks being so related to said letters of the alphabet that when said blocks are arranged in an array with the letters in alphabetic sequence said sections combine to form a unitary pattern.

2,483,834
HOLDER OF THE WIRE FOR ELECTRIC LAUNDRY IRONS
Henrik Maindal, Aalberg, Denmark
Application June 27, 1947, Serial No. 757,607
In Denmark March 20, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 20, 1966
2 Claims. (Cl. 248—51)



1. A holder for supporting the connecting cord of a laundry iron adjacent an ironing surface, comprising a tubular member for carrying the cord therein, said tubular member provided with a bearing element having a spherical bearing surface; a bearing housing for supporting the bearing element on the bearing surface permitting spherical rotation thereon; a stanchion for supporting the bearing housing in position adjacent the ironing surface, said tubular member terminating in a balancing weight for controlling the position of the cord when released; said weight offering slight resistance when the cord is pulled.

2,483,835
QUICK-BREAKING EMULSIONS HAVING INCREASED ADHESION TO MINERAL AGGREGATE
Donald N. Manzer, Oakland, Calif., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1946, Serial No. 665,329
6 Claims. (Cl. 106—277)

1. A quick-breaking oil-in-water type emulsion consisting essentially of water, a water-insoluble, water-dispersible, organic, thermoplastic, resinous substance emulsified therein, and a small amount of a preformed alkali metal ammonium chromate salt sufficient substantially to promote adhesion of the emulsified substance to hydrophilic aggregate.

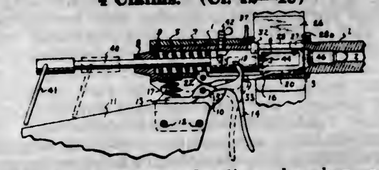
2. The emulsion of claim 1, wherein the water-insoluble, water-dispersible thermoplastic substance is asphalt.

2,483,836
EMULSION PRODUCT AND PROCESS OF MAKING
Paul E. McCoy, San Francisco, Calif., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 6, 1947, Serial No. 720,477
14 Claims. (Cl. 106—83)

5. In the process of making a flowable, stable, storable, non-tacky, weather-resistant coating composition, the steps comprising forming an oil-in-water type emulsion having water as its continuous phase and having as its dispersed phase 50–70% of its weight of a water-insoluble, water-dispersible, organic, thermoplastic material, incorporating in said emulsion a filler and, based on the total weight of the coating composition, 0.2–20% of a polyvalent metal fluosilicate, having a solubility in water at 20° C. greater than about 1.0%, and 1.0–12% of a water-soluble alkali metal inorganic salt of the type which reacts in aqueous solution with water-soluble polyvalent metal fluosilicates to form a water-insoluble alkali metal fluosilicate and a water-insoluble polyvalent metal salt, and forming said water-insoluble alkali metal fluosilicate and water-insoluble polyvalent metal salt in situ in said coating composition.

7. The process of claim 5 wherein the polyvalent metal fluosilicate is magnesium fluosili- is sodium silicate and the dispersed phase of the cate, the water-soluble alkali metal inorganic salt emulsion is asphalt.

2,483,837
GUN WITH RECIPROCABLE BREECH BLOCK AND ROTARY FEEDER
Isaac Nettles, Detroit, Mich.
Application October 15, 1945, Serial No. 622,355
4 Claims. (Cl. 42—18)

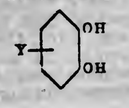


2. A gun having a loading chamber, a bore opening forwardly from such chamber, and a cartridge inlet to such chamber, said gun comprising a breech block reciprocatory forward and back in the loading chamber, a rotary feeder in delivery proximity to said inlet and formed with an approximately spiral groove, and a cam finger on the breech block permanently engaged in said groove to rock the feeder responsive to breech block reciprocation.

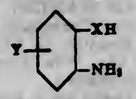
2,483,838
DIISOBUTYL SUBSTITUTED HETEROCYCLIC COMPOUNDS
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Application November 22, 1944, Serial No. 564,711
7 Claims. (Cl. 260—243)

1. 3-diisobutyl-phenazine.

4. A method of making ring C-alkylated heterocyclic compounds which comprises mixing



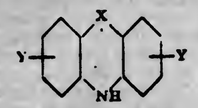
with a compound of the following general formula:



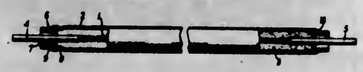
where X is taken from the class consisting of O, S and NH, and at least one Y is a diisobutyl radical having the following structure:

$$-C(CH_3)_2CH_2C(CH_3)_3$$

and the other is hydrogen, and heating said mixture to cause a reaction to take place forming a trinuclear compound of the following general formula:



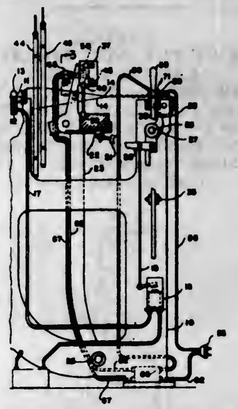
2,483,839
METHOD OF MAKING ELECTRIC HEATERS
Sterling A. Oakley, Lincolnwood, and Rufus T. Standt, Chicago, Ill., assignors to Hotpoint Inc., a corporation of New York
Application December 11, 1945, Serial No. 634,274
5 Claims. (Cl. 201—67)



1. The method of making an electric heating unit provided with a sheath, a resistance conductor in said sheath and a terminal portion in said sheath projecting out through an opening provided for it in a wall thereof a predetermined distance from the sheath, which method comprises, providing a resistance conductor with a terminal portion and a sheath with an opening in a wall thereof, inserting said conductor into said sheath so that said terminal portion projects therefrom and beyond said opening by an amount equal approximately to said predetermined distance, inserting into said sheath a compressible heat-conducting and electrically insulating material around and about said conductor, inserting a plug-like closure member formed of a readily destructible material into said sheath adjacent to said opening and surrounding said terminal portion in order to close said opening and to support said terminal portion projecting from said opening an amount equivalent approximately to said predetermined distance, compressing said insulating material into firm engagement with said resistance conductor and the inner end of said terminal portion and simultaneously supporting said terminal portion in position projecting said predetermined distance from said sheath, and then subjecting said closure member to an agency which destroys it in order to provide a void in said sheath adjacent to said opening and surrounding said terminal portion projecting said predetermined distance from said sheath.

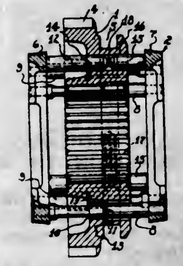
2,483,840
MEANS FOR ILLUMINATING LOOM PARTS
James C. Parker, Wadesboro, N. C.
Application August 26, 1946, Serial No. 693,097
9 Claims. (Cl. 139—1)

1. In a loom having a lay and a reed cap carried thereby for holding a reed and having a plurality of harness frames through which the warp passes after passing through the reed, said loom having a shipper lever held in one position when the loom is in operation and having stop motion means controlling the same for moving the shipper lever to off position to stop the loom, a source of illumination carried by the reed cap of the loom for illuminating the reed, a circuit leading to the source of illumination, a switch in said



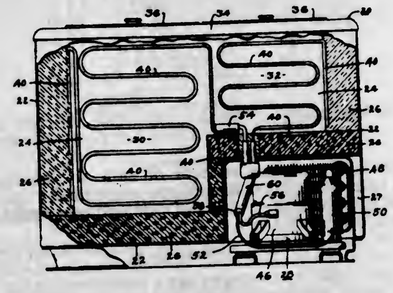
circuit disposed in close proximity to the shipper lever, the shipper lever in operating position holding the switch in open position, moving of the shipper lever by the stop motion means to stop the loom serving to disengage the shipper lever from the switch to close the circuit to the source of illumination to thereby illuminate the loom reed when the loom is stopped.

2,483,841
SHIFTABLE SYNCHRONIZING CLUTCH MEMBER
Carl D. Peterson and Elmer J. Barth, Toledo, Ohio, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application January 19, 1946, Serial No. 642,168
4 Claims. (Cl. 192—53)



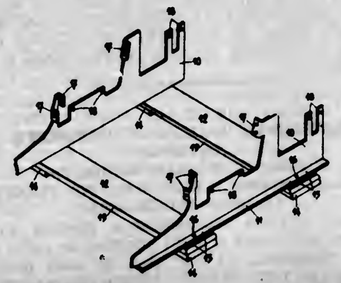
1. A shiftable member for double synchronizing clutches shiftable in opposite directions from neutral into different gear trains, including a toothed section and a friction section, the friction section having friction rings at opposite ends therefor and rods connecting said rings and extending through openings in the toothed section, the openings being of such size as to permit relative limited rocking movement of the sections, said openings and the rods having coacting blocking shoulders, and yielding means between the sections for coupling the sections together so that they initially shift as a unit until one or the other of the friction rings is shifted into clutching engagement with a complemental friction face preliminary to the clutching engagement of the toothed section, the blocking shoulders on some of said rods facing only in one direction to cooperate with complemental shoulders in said openings and in other of the rods facing in the opposite direction only.

2,483,842
TWO-TEMPERATURE REFRIGERATION SYSTEM USING TWO REFRIGERANTS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application January 2, 1948, Serial No. 145
5 Claims. (Cl. 62—116)



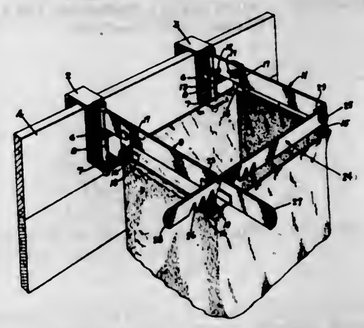
3. Refrigerating apparatus comprising a cabinet having a liner, a refrigerating system including a refrigerant evaporator and a refrigerant condensing element operatively connected together, said evaporator having an inlet section in heat exchange relation with a first portion of said liner and another section in heat exchange relation with a second portion of said liner, the first portion of said liner having a greater refrigerated area per square inch than said second portion, and a mixture of refrigerants of different boiling points in said system.

2,483,843
FRAMEWORK FOR TYPEWRITERS
Giuseppe Prezioso, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix, a corporation of Switzerland
Application January 14, 1948, Serial No. 2,242
In Switzerland October 10, 1947
1 Claim. (Cl. 197—186)



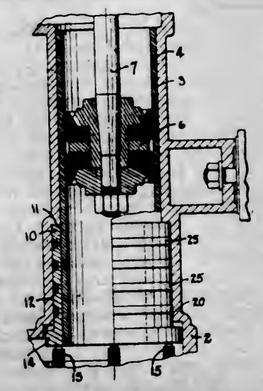
A framework for a typewriter, comprising a pair of inverted channel shaped members, a pair of upright plates secured to said channel shaped members in spaced relation so as to form a rectangular structure, right angled portions at the lower ends and on the outer sides of said plates, securing lugs on said plates, and feet in the channel shaped members.

2,483,844
BAG HOLDER
Maurits C. Ranseen, Minneapolis, Minn.
Application October 23, 1944, Serial No. 559,981
5 Claims. (Cl. 248—99)



1. A bag holder comprising a pair of independent supporting brackets adapted to be attached to a suitable support, a bag holding arm pivoted to one of said brackets, means for limiting swinging movement of said arm on said bracket in one direction, a second bag holding arm pivoted to the other of said brackets and arranged for relatively greater swinging movement than said other arm, thereby to permit a bag top to be attached to said arms after which said arms may be manipulated to tension the bag top walls, and a lock bar pivoted to one of said arms and engageable with the other of said arms to retain said arms in bag holding positions.

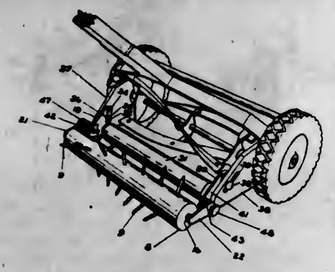
2,483,845
PACKING FOR JOINTS
Edward H. Robertson, Houston, Tex., assignor to Houston Oil Field Material Company, Houston, Tex.
Application November 3, 1945, Serial No. 626,536
7 Claims. (Cl. 309—3)



1. A slush pump liner comprising a cylindrical body, an enlargement thereon having a shoulder

to position the liner in the pump opening, a plurality of annular recesses in spaced relation along said enlargement, each recess having beveled portion on the end wall, and a double lip type packing in each recess so as to provide a seal along the periphery of the liner enlargement.

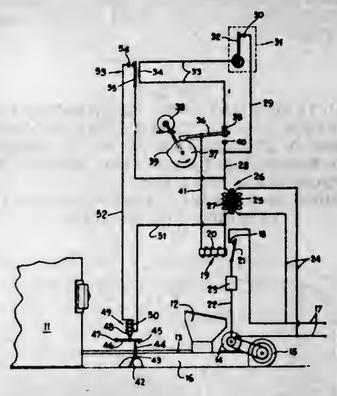
2,483,846
LAWN PERFORATOR
Thomas J. Roche and John A. Roche, San Francisco, Calif.
Application April 2, 1947, Serial No. 738,814
1 Claim. (Cl. 56—249)



In combination with a lawn mower, a device of the character described comprising a perforator roller, a plurality of prongs arranged in spirally extending rows provided thereon, an elongated aperture concentrically formed in each end of the roller, a shaft slidably mounted in each aperture and adjustably secured longitudinally to the roller, a pair of oppositely disposed arms removably secured to the side portions of the lawn mower, means for revolvably supporting the said shafts in the said arms, whereby the perforator roller is revolvably carried, the inner end portions of the said arms being supported in notched couplings to the side portions of the lawn mower, whereby the said arms are adjustable at different angles relative to the lawn mower.

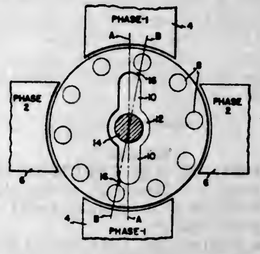
2,483,847
STOKER CONTROL SYSTEM, INCLUDING DELAYED AIR FEED
Paul B. Sagar, Cleveland, Ohio, assignor to General Controls Co., Glendale, Calif., a corporation of California
Application May 22, 1945, Serial No. 595,235
2 Claims. (Cl. 110—101)

1. In an electrical stoker-control system: a coal furnace; mechanical means for feeding coal to the furnace; means forming a duct for supplying combustion air to the furnace; a fan for forcing air into said duct; an electric motor for concurrently operating said coal-feeding means and said fan; means in said duct normally restricting flow of air therethrough; electrical means for rendering said flow-restricting means ineffective so that full amount of air can pass through the duct; a first electrical circuit-portion including a thermostat, responsive to the demand of a space heated by the furnace, and also including means electrically energizable to effect delayed operation of said electrical means; a second electrical circuit-portion including a source of electrical energy and means for effecting operation of said motor; switching means effective in one position to interconnect said circuit-portions so that operation of said motor and of said delayed-operating means is then under the control of said thermostat, said switching means having another position wherein said circuit-portions are unInterconnected and said second circuit-portion is closed so that operation of the motor is then effected in-



dependently of the control of said thermostat; and time-controlled means for periodically operating said switching means from said one position to said other.

2,483,848
SYNCHRONOUS MOTOR
Simon Saretsky, Newton, Mass., assignor, by mesne assignments, to Holtzer-Cabot, Inc., Boston, Mass., a corporation of Delaware
Application December 14, 1946, Serial No. 716,205
13 Claims. (Cl. 172—126)

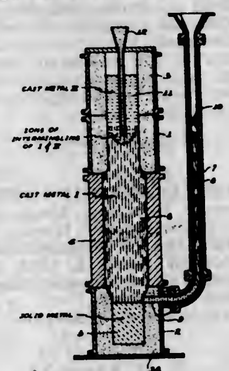


1. A synchronous motor having a rotor provided with short-circuited conductors uniformly disposed about the rotor, and a plurality of slots to form poles, said slots being disposed uniformly about the rotor in diametrically opposite pairs and asymmetrically disposed with respect to the conductors.

2,483,849
METHOD OF MAKING COMPOSITE CASTINGS
William H. Seaman, Salina, Pa.
Application May 2, 1947, Serial No. 745,611
8 Claims. (Cl. 22—206)

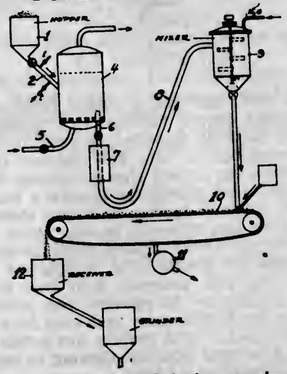
3. That method of making a casting which comprises providing a mold adapted to form said casting, disposing in one end of said mold a solid block of ferrous metal of one characteristic, introducing molten ferrous metal of another characteristic into said mold tangentially thereof and in the plane of the exposed surface of said solid block to fill the mold to the desired extent,

and before said molten metal has solidified introducing below but close to its upper surface mol-



ten ferrous metal of different characteristic to form a further portion of the casting.

2,483,850
PROCESS OF RECLAIMING A CONTAMINATED IRON CATALYST
Marnell A. Segura and Don R. McAdams, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 23, 1947, Serial No. 763,106
4 Claims. (Cl. 252—417)



1. The method of reclaiming an iron catalyst contaminated with carbonaceous material which comprises burning said contaminant at a temperature of about 1000° to 1150° F. to remove carbonaceous contaminant to the extent that the thus treated catalyst does not contain more than about 30 nor less than about 5 weight percent carbonaceous material, cooling the treated catalyst to a temperature below the boiling point of water, mixing with water in sufficient quantity to form a moist loosely compacted mass, exposing said mass to sintering temperatures of about 2000° to 2200° F. for about ½ to 2 minutes, quenching, and regrinding the sintered product.

2,483,851
SYRINGE
Charles Victor Smith, New York, N. Y.
Application September 19, 1946, Serial No. 697,952
2 Claims. (Cl. 128—232)

1. A syringe which comprises a plug for attachment to a supply fluid and having a pair of openings therethrough said plug being otherwise closed and a stem comprising a loop of open-



ended perforated tubing extending through and filling the openings of said plug.

2,483,852
PRODUCTION OF ACROLEIN DIACETATE
Curtis W. Smith and Douglas G. Norton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 26, 1946, Serial No. 693,164
7 Claims. (Cl. 260—494)

3. A process of preparing acrolein diacetate which consists in reacting acrolein with acetic anhydride in the presence of an acidic catalyst selected from the group consisting of sulfuric acid, phosphoric acid, and para-toluenesulfonic acid, under the correlated conditions of (a) a molar ratio of total acetic anhydride to total acrolein between substantially 1.05:1 and substantially 1.2:1, (b) a reaction temperature between about 35° C. and about 70° C., and (c) an amount of the said acid catalyst between about 0.05 and about 0.5 per cent of the total weight of reactants, limiting the reaction time to a period of not in excess of about one hour, and recovering acrolein diacetate from the reaction mixture.

5. In a process of preparing acrolein diacetate wherein acrolein and acetic anhydride are reacted in the presence of a small amount of an acidic catalyst, the catalyst thereafter is neutralized, and acrolein diacetate is recovered from the reaction mixture by distillation, the improvement consisting in neutralizing the acidic catalyst by adding to the reaction mixture containing the same an organic amine having a molecular weight less than about 250 and a dissociation constant of at least 1×10^{-11} in aqueous solution in an amount sufficient to neutralize the amount of the acidic catalyst that is present.

2,483,853
MONOHYDROXY DINITRILES AND ESTERS THEREOF, AND PREPARATION OF THE SAME
Curtis W. Smith, Berkeley, and Seaver A. Ballard, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 7, 1947, Serial No. 739,947
11 Claims. (Cl. 260—465.4)

1. An ester of a lower aliphatic monocarboxylic acid with 2-hydroxy-1,5-pentanedinitrile.

11. The method of preparing an ester of a monohydroxy dinitrile which comprises reacting at a temperature between about 50° C. and about 200° C. at which heat is generated in the reaction mixture an alkali cyanide with an aliphatic monocarboxylic acid diester of a lower aliphatic monoolefinic dihydric alcohol selected from the class consisting of lower 2-alkene-1,1-diols and lower 2-alkene-1,3-diols.

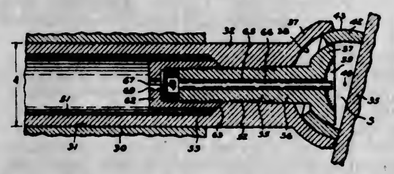
2,483,854
PRODUCTION OF MODIFIED CARBAMIDE RESINS
Francis H. Snyder, New Rochelle, N. Y., assignor to Snyder Chemical Corporation, Bethel, Conn., a corporation of New York
No Drawing. Application February 27, 1946, Serial No. 650,760
4 Claims. (Cl. 260—45.1)

1. A method of producing coating compositions characterized by high flexibility and water resistance which comprises reacting urea and approximately 10% by weight thereof of each thiourea and phenol with an excess of formaldehyde in the presence of an alkaline catalyst for a period of approximately fifty minutes, then acidifying the mass and continuing the reaction for a period of from approximately 20 up to 50 minutes.

2,483,855
BIOCHEMICAL PROCESS FOR THE PRODUCTION OF RIBOFLAVIN
Hugh R. Stiles, St. Mary-of-the-Woods, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application March 16, 1942, Serial No. 434,901
24 Claims. (Cl. 195—35)

24. A process for the production of riboflavin which comprises subjecting a liquid nutrient medium to the action of *Eremothecium Ashbyii* while agitating and maintaining the medium in a state of aeration.

2,483,856
HYDRAULIC MECHANISM
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application March 8, 1945, Serial No. 581,678
12 Claims. (Cl. 103—162)



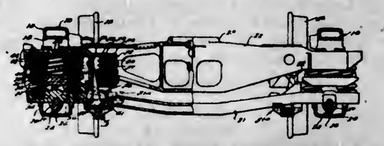
5. A hydraulic mechanism comprising a member having a bore therein, valve means controlling the admission and discharge of fluid to and from the bore, a piston slidable in the bore and provided with a socket in its outer end with a concave spherical surface, a rocker ring mounted in the socket and having a convex spherical surface for engagement therewith, the outer edge of the ring providing an annular surface with an inside diameter somewhat greater than the piston diameter, cam means providing a surface for sliding engagement with the said annular surface of the ring, the member and the cam means being relatively revoluble, the said convex spherical surface of the ring terminating at the inner edge of the ring in a circle having a diameter only slightly less than the inside diameter of the said annular surface, and means providing a restricted passage to conduct fluid from the bore to the interior of the ring, the portion of the surface of the cam means which is surrounded by the said annular surface being fully exposed to contact with the fluid within the ring.

2,483,857
HARNESS FRAME FOR LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application March 1, 1946, Serial No. 651,073. Divided and this application February 25, 1947, Serial No. 730,787
3 Claims. (Cl. 139—92)



1. In a loom harness, a closed hollow metallic frame having spaced vertical side elements, and a resilient metallic heddle bar permanently and rigidly connected at one end thereof to one of said elements on a part thereof facing the other side element and extending toward a part of the other side element facing said one element and having a free end adjacent to said other element, said heddle bar being located entirely within the hollow metallic frame and supported entirely from said one side element, said free end being normally positioned to prevent the stringing of heddles on the heddle bar, and said free end due to the resilience of the heddle bar being deflectable from a normal position thereof to permit the stringing of heddles thereon.

2,483,858
TRUCK HANGER SUSPENSION
William Van Der Sluys, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 11, 1944, Serial No. 567,573
17 Claims. (Cl. 105—191)

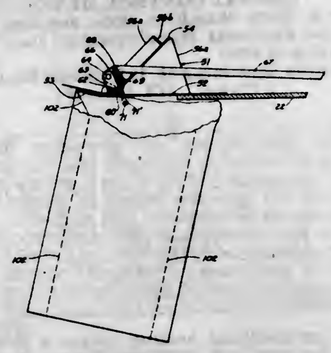


4. A railway truck comprising a pair of spaced side members, a pair of swing hangers, means mounting the swing hangers on the side members, a plank extending between the swing hangers, means mounting the plank on the swing hangers so as to provide angular movement of the plank with respect to the portions of the swing hangers upon which the plank is mounted, the swing hangers, both mounting means, and the plank resisting unsquaring of the truck and constituting the only means for this purpose, elastic deformation of the swing hangers providing limited unsquaring of the truck, and a bolster mounted on the plank so as to be free of any association with the side members tending to prevent unsquaring of the truck.

2,483,859
ANTIRING STICKING LUBRICATING COMPOSITION
Mintje van Loon, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 23, 1946, Serial No. 685,779. In the Netherlands July 31, 1945
8 Claims. (Cl. 252—37.7)

1. A lubricating composition comprising a mineral oil containing dispersed therein from 0.5% to 20% of a polyvalent metal salt of a reaction product obtained by simultaneously polymerizing and alkylating in the presence of a Friedel-Crafts catalyst a hydroxy aromatic monocarboxylic acid and an olefin having at least four carbon atoms at a temperature of between 50° to 200° C., and thereafter reheating said reaction product in an inert liquid medium at a temperature of between 250° and 300° C. for about ½ hour.

2,483,860
MACHINE FOR APPLICATION OF SLEEVES TO VALVE BAGS
Edric W. Vredenburg, Berkeley, Calif., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application July 31, 1945, Serial No. 607,977
5 Claims. (Cl. 93—8)

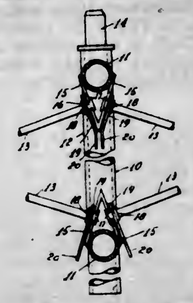


1. In apparatus for applying supplemental sheets to form sleeves in valve bags, a rotatable table, and a plurality of sleeving devices disposed around the periphery of said table, each of said sleeving devices comprising a support for holding a supplemental sheet in position to be engaged by the spread valve corner of a bag, a substantially horizontal plate for supporting the bag with the spread corner thereof in engagement with a portion of said supplemental sheet, and a folder member operable upon rotation of said table to press another portion of the supplemental sheet against the spread corner of the bag so that said other portion engages and is retained in engagement with the spread corner, said folder member being releasable upon further rotation of said table to permit the bag to be removed from the sleeving device with the supplemental sheet in sleeve-forming position on the spread corner.

2,483,861
TEXTILE MATERIALS AND METHOD OF MAKING SAME
Eric E. Weiss, White Plains, N. Y., assignor to United Merchants & Manufacturers Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1947, Serial No. 785,513
12 Claims. (Cl. 28—73)

1. Method of manufacturing textile materials which includes the steps of spinning composite yarns, each made of a core portion of continuous filament thermoplastic material and a wrapper portion of synthetic fibers for each core, fabricating the yarns into textile materials, partially setting the same in boiling water while preventing any permanent adhesion between the thermoplastic core and the synthetic wrapper, processing the materials into the desired shade, and then completing the setting by applying thereto a synthetic resin of the thermosetting type in the presence of a catalyst.

2,483,862
KNOCKDOWN SCAFFOLD
Daniel I. Weiss, Zelienople, Pa., assignor to Beaver Art Metal Corporation, Ellwood City, Pa., a corporation of Pennsylvania
Application June 2, 1948, Serial No. 30,652
9 Claims. (Cl. 304—40)

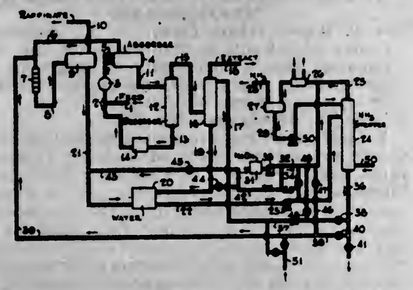


9. A separable connection for securing diagonal braces to the rectangular end frames of a knock-down scaffold, comprising a pair of gussets in each corner of said frame, said gussets being parallel to each other and having keyhole slots therein including an eye and a restricted neck, a collar rotatably mounted on the brace, said collar having a portion shaped and dimensioned to enter said neck when turned to one position and be held against removal from said eye when turned to another position, and retaining means integral with the brace on each side of the collar whereby the collar is maintained against axial or longitudinal movement.

2,483,863
DIOLEFIN EXTRACTION
Samuel W. Wilson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 6, 1945, Serial No. 603,473
6 Claims. (Cl. 260—681.5)

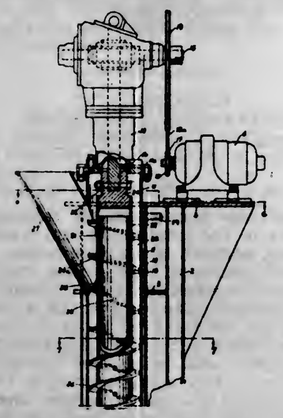
3. The improvement in the extraction of an olefin from a mixture of hydrocarbons contain-

ing said olefin, which comprises contacting ammoniacal cuprous acetate solution with said hydrocarbon mixture, separating said ammoniacal cuprous acetate solution containing absorbed olefin from the undissolved hydrocarbons, heating the separated ammoniacal cuprous acetate solution to recover the olefin overhead, washing the recovered olefin with water to remove ammonia



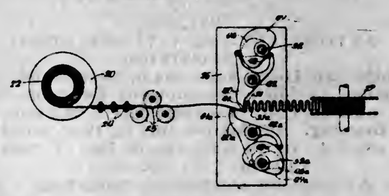
therefrom, adding sodium hydroxide to the wash water in sufficient amount to provide free sodium hydroxide in this water after stripping of ammonia therefrom, and to retard corrosion of iron equipment in contact therewith, and stripping the wash water containing ammonia, ammonium acetate and sodium hydroxide with steam in iron equipment to recover ammonia overhead.

2,483,864
IMPREGNATING MACHINE
Carl W. Zies, Lakewood, Ohio, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application January 19, 1945, Serial No. 573,494
5 Claims. (Cl. 127—1)



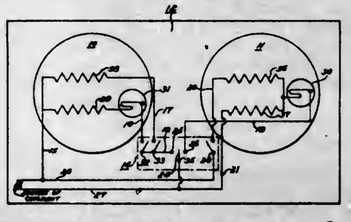
1. An impregnating machine, comprising an upright frame supporting an imperforate jacketed cylindrical vertical barrel open at its lower end and having a material feed opening on one side near its upper end, a hollow imperforate worm shaft coaxial with the barrel and provided within it with worm flights decreasing in pitch downwardly, the upper end of said shaft being closed and having a member extending through the upper end of the barrel and from which it depends and by means of which it is driven and its lower end having a plain cylindrical portion free of worm flights extending below the barrel, and a radial sleeve bearing mounted on the frame at a level below the lower end of the barrel and through and beyond which the plain cylindrical portion of said shaft extends.

2,483,865
SINUSOIDAL SPRING FORMING MACHINE
Fred R. Zimmerman, Davenport, Iowa, assignor to Nichols Wire and Steel Company, Davenport, Iowa, a corporation of Iowa
Application November 15, 1945, Serial No. 628,799
14 Claims. (Cl. 140—71)



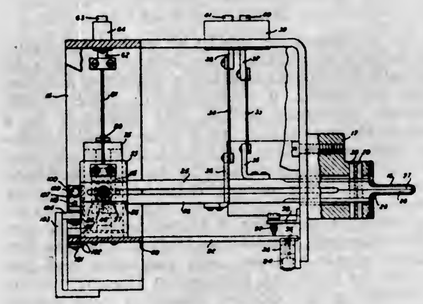
1. A machine for forming from spring-wire stock an elongated flat spring consisting of a series of successive oppositely directed lateral folds comprising, a pair of formers having supporting means therefor positioning the formers to extend away from one another in opposite directions, said formers each having a forming portion adjacent one another and a driven portion separated from one another, a pair of folding arms individually cooperating with said formers, a first means for intermittently moving said formers at the driven portions alternately into forming position, and a second means operating in timed relation to said first means for actuating said folding arms only while said formers are at rest alternately to fold a stock wire about their respective formers.

2,483,866
CIRCUIT CONTROL MEANS
Henry A. Ziola, Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc., a corporation of Ohio
Application September 21, 1946, Serial No. 698,497
2 Claims. (Cl. 219—20)



1. In an electrical heating device, a first and second heating unit each including a first and second heating resistance element, a circuit means for connecting the resistance elements of said units to a source of electrical energy, circuit control means in said circuit means and controlling the energization of said resistance elements, said circuit control means comprising, a first thermostatic switch disposed in the first heating unit and connected in series with the first resistance element thereof to effect energization of said first resistance element when the first heating unit is below a predetermined temperature, switch means including a plurality of contact elements arrangeable in a first position to connect the first resistance element of the first heating unit and the first thermostatic switch connected in series therewith in parallel with the second resistance element of the first heating unit to the source of electrical energy and also to connect the resistance elements of the second heating unit in series to the source of electrical energy, said contact elements arrangeable in a second position to connect the first and second resistance elements of the second heating unit in series to the source of electrical energy, and second thermostatic switch means disposed with the second heating unit and cooperating with the said switch contact elements to effect the short circuit of one of the resistance elements of the second unit when the second heating unit is below a predetermined temperature and to effect the energization of the first and second resistance elements of the second heater unit in series when the second heating unit is above the predetermined temperature.

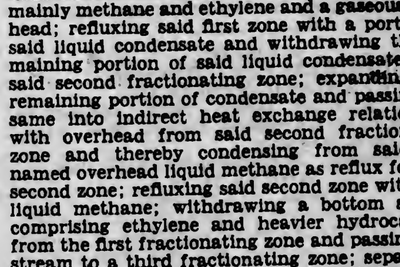
2,483,867
APPARATUS FOR GAUGING JACKS
Chester W. Anderson, Pleasantville, Lloyd D. Hansen, Fanwood, and Dwight E. Overmyer, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1946, Serial No. 668,278
17 Claims. (Cl. 73—161)



8. In an apparatus for gaging jack strips particularly the plug engaging spring in the jacks thereof, a gaging unit including a hollow nose having apertures at spaced positions and gaging elements extending into the nose to be engaged by the said springs, a table to support a jack strip, means to locate the jack strip on the table, and means to support the table for movement thereof with the jack strip to singly position the jacks on the nose with their springs contacting the gaging elements.

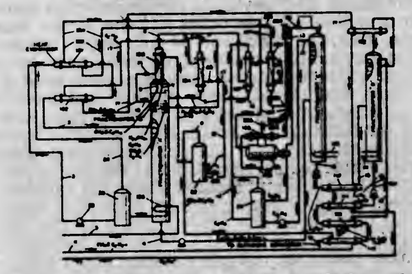
2,483,868
METHOD OF PREPARING SILICA GEL WHICH INVOLVES ATOMIZING SODIUM SILICATE INTO ACID
James Robert Archer, East Point, and Grover Dunn, Atlanta, Ga., assignors to International Minerals and Chemical Corporation, Chicago, Ill., a corporation of New York
Application August 1, 1945, Serial No. 608,254
5 Claims. (Cl. 252—317)

1. In the manufacture of silica gel by chemical interaction of silicate and acid in an acidic aqueous reaction mixture followed by washing and drying of the resultant gel, the improvement which consists in introducing sodium silicate solu-



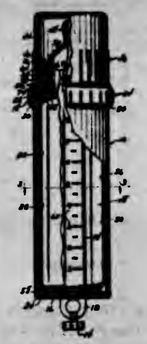
tion in atomized form into a turbulently agitated sulfuric acid solution.

2,483,869
TREATMENT OF HYDROCARBONS
Philip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 3, 1942, Serial No. 433,190
7 Claims. (Cl. 68—175.5)



1. The process for separating ethylene from a mixture containing ethylene and methane and heavier hydrocarbons which comprises passing said mixture to a first fractionating zone maintained under superatmospheric pressure and at a temperature below the critical temperature of the mixture; withdrawing an overhead stream comprising methane and ethylene from said zone and passing said overhead stream to a second fractionating zone maintained under superatmospheric pressure and therein separating said overhead stream into a liquid condensate comprising mainly methane and ethylene and a gaseous overhead; refluxing said first zone with a portion of said liquid condensate and withdrawing the remaining portion of said liquid condensate from said second fractionating zone; expanding said remaining portion of condensate and passing the same into indirect heat exchange relationship with overhead from said second fractionating zone and thereby condensing from said last named overhead liquid methane as reflux for said second zone; refluxing said second zone with said liquid methane; withdrawing a bottom stream comprising ethylene and heavier hydrocarbons from the first fractionating zone and passing said stream to a third fractionating zone; separating ethylene from said stream in said third fractionating zone and removing said separated ethylene from said third zone and condensing same and subsequently expanding said condensed ethylene and passing the same in indirect heat exchange relation with the overhead stream from said first fractionating zone and thereby cooling said overhead from said first fractionating prior to its introduction to said second fractionating zone.

2,483,870
INSULATED NURSING BOTTLE
Theodore Bailey, Habana, Cuba
Application November 15, 1945, Serial No. 628,704
1 Claim. (Cl. 215—11)

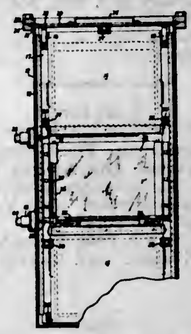


In a nursing bottle, the combination, which comprises, a wide-mouth bottle having a neck of a diameter smaller than that of the body portion of the bottle and having a circumferential bead with a conical-shaped outer surface at the end of the neck, the inner end of said bead forming a shoulder, a nipple having a relatively large body portion with an enlarged circumferential bead at the open end of said body portion and having an outwardly flared skirt extending from said bead for locating the bottle in assembling, said nipple positioned with the circumferential bead thereof stretched over the bead at the end of the neck of the bottle and secured under the shoulder thereof, an outer casing spaced from said bottle having threads on the outer surface of the end thereof, a sheet of insulating material providing an inner lining for the outer casing, a coil spring in the lower end of the outer casing resiliently urging the bottle outwardly therefrom, an annular collar threaded on the threads of said outer casing having an inner annular rim positioned to engage the skirt of the nipple and having an externally threaded section of reduced diameter with an inwardly extending annular rim at the end thereof positioned to hold the nipple against the end of the neck of the bottle coacting with the spring in the end of the outer casing and retaining the bottle between the spring and annular rim of the collar, and a cap threaded on the said annular collar and enclosing said nipple.

2,483,871
PROCESS FOR OBTAINING CHLOROAMPHENICOL
Quentin R. Bartz, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 16, 1948, Serial No. 15,265
3 Claims. (Cl. 260—562)

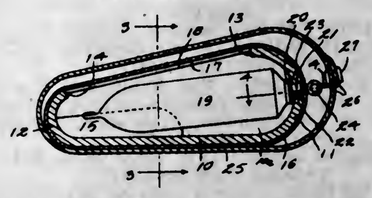
1. In a process for obtaining (1)-ψ-1-p-nitrophenyl-2 - dichloroacetamidopropane - 1,3 - diol, the method of isolating said diol from culture liquids containing the same which comprises extracting said culture liquid below about pH 10 with an organic solvent having a solvent-water distribution coefficient for the diol of over about 9, removing the organic solvent from the extract, extracting the residue with an organic solvent having a solvent-water distribution coefficient for the diol between about 1 and 9, washing the extract with dilute mineral acid, adding water to the organic extract and evaporating off the organic solvent, extracting the aqueous solution with an organic fat solvent in which the diol is substantially insoluble, evaporating the aqueous phase to the point of crystallization and recovering the diol from the concentrate.

2,483,872
ELECTRON OPTICAL INSTRUMENT AND CAMERA THEREFOR
Igor B. Bensen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 10, 1945, Serial No. 627,953
12 Claims. (Cl. 250—49.5)



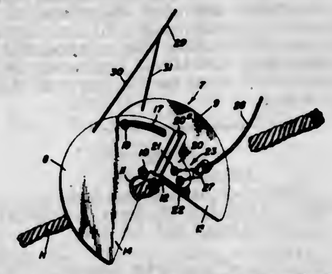
1. In a camera for use in an evacuated region and having an optical axis arranged in a substantially horizontal position, a container adapted to be evacuated, a photographic plate supply chamber supported within said container in a position above said axis and a plate storage chamber positioned within said container below said axis, each of said chambers having closure means therein and being arranged to hold a plurality of photographic plates therein, each of said chambers having a plurality of imperforate walls and a perforate wall to provide substantially free circulation of air between said container and the chamber to facilitate evacuation thereof, means for operating the closure means of said supply chamber to release a plate from said supply chamber to fall by gravity to a position normal to said axis, means including means connected with the closure means of said storage chamber supporting said plate in said normal position, and means including means for operating the closure members of said storage chamber for releasing said plate from said normal position.

2,483,873
SHOE SHINING KIT
Oscar H. Berman, Baltimore, Md.
Application August 9, 1948, Serial No. 43,289
2 Claims. (Cl. 15—131)



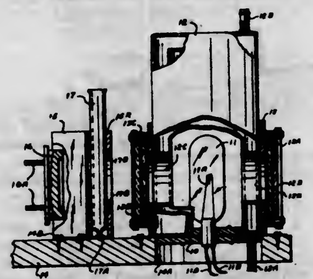
1. A polishing device comprising a holder consisting of a flat plate having the opposite ends curled upwardly and inwardly and providing a space therebetween, a cloth polishing band around the holder and extending across said space, one end of said holder having means for maintaining a compressible polish containing tube with its neck portion extending through said holder for extruding the polish through and onto the band.

2,483,874
RAT GUARD
Thomas J. Bernhard, San Pedro, Calif.
Application March 19, 1948, Serial No. 15,789
11 Claims. (Cl. 114—221)



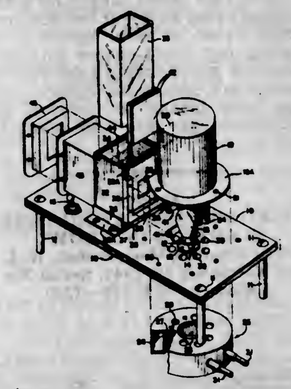
1. In a rat guard of the class described, a disk-like body embodying complemental pivotally connected sections having slotted overlapping portions and having means to embrace the ship's hawser, pin means connecting the slotted portions of the sections for controlled operation in relation to each other, a lowering and attaching rope having divergent terminal portions connected respectively with the sections for spreading same and allowing them to drop by gravity onto the hawser and to be closed round the hawser, and remote-controlled fastening means cooperable with said sections to prevent same from opening accidentally, said means embodying a cord operable from the ship and adapted to be anchored on a part of the ship, said cord having means at its outer end connected with said sections to hold same in closed relationship.

2,483,875
THERMALLY STABLE COLORIMETER
William J. Boyer, Baltimore, Md.
Application August 29, 1946, Serial No. 693,701
5 Claims. (Cl. 88—14)



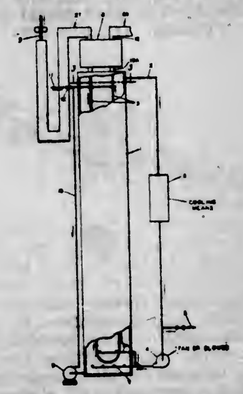
1. A colorimeter comprising, in combination, an intense source of illumination concentrated in the visible spectrum, a multi-windowed water jacket disposed about said light source as a center, and a filter carrier disposed rotatably with reference to said water jacket in close proximity thereto, having a plurality of filter holders thereon in number and spacing equal to the windows in the water jacket so that upon registry of one filter holder with a corresponding window the other filter holders will be in registry with the corresponding other windows.

2,483,876
PHOTOMETRIC APPARATUS
William J. Boyer, Baltimore, Md.
Application January 21, 1947, Serial No. 723,246
9 Claims. (Cl. 250—236)



1. Optical apparatus comprising in combination, a source of light, a filter system, a container for a solution the composition of which is to be determined, a frame of high heat conductivity on which said source, filter and container are mounted, and windowed water jacket means surrounding said source for cooling said frame and thereby maintaining constant the temperature of said filter and said solution container.

2,483,877
METHOD AND APPARATUS FOR CONTINUOUS POLYMERIZATION
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 7, 1946, Serial No. 652,714
14 Claims. (Cl. 18—15)



9. Apparatus for continuously polymerizing unsaturated organic material to solid form compris-

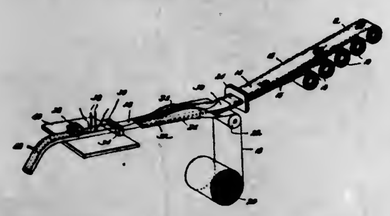
ing a closed vertical elongated vessel, a flexible relatively flat belt extending through the top of said vessel downwardly to a point adjacent the bottom thereof and then being looped and extending upwardly through the top of said vessel, means for feeding said belt into said vessel, means for withdrawing said belt from said vessel at the same rate as it is fed thereinto, means for preventing loss of gas from said vessel as said belt enters and leaves said vessel, means for applying a liquid containing polymerizable unsaturated organic material to said belt within but adjacent the top of said vessel, means for introducing a gas into said vessel adjacent the bottom thereof and causing same to move upwardly at high velocity along the liquid-coated surface of said belt, means for withdrawing said gas from the top of said vessel, means for cooling said withdrawn gas, and means for reintroducing the cooled withdrawn gas into said vessel adjacent the bottom thereof.

2,483,878
GAME BOARD FOR DISPLAYING THREE LIKE ELEMENTS IN A ROW
Alfred Charest, Woonsocket, R. I.
Application November 19, 1947, Serial No. 786,916
5 Claims. (Cl. 273—136)



1. A game comprising a game board having a plurality of longitudinal and transverse rows of openings in spaced relation in the upper surface thereof, cylinders having colored areas on the surfaces thereof positioned in the game board below the openings, means rotatably mounting the cylinders, means actuating each of the cylinders from opposite ends of the game board to display different colors through the openings, means locking the cylinder actuating means, means releasing the locking means, and means returning the actuating means to neutral position when released.

2,483,879
BUFFING WHEEL
George R. Churchill, Hingham, Mass.
Application April 29, 1948, Serial No. 24,060
2 Claims. (Cl. 51—193)



1. A buffing wheel having radially extending buffing elements, said elements each comprising a core of a plurality of plies of material having radially extending edge portions, the said edge portions only of said core plies being impregnated with a buffing compound, and a sheath of unimpregnated material enclosing all but the end extremities of said core.

2,483,880
VIOLIN RING MUTE
Ingram Cleveland, Oklahoma City, Okla.
Application May 25, 1946, Serial No. 672,317
3 Claims. (Cl. 84—310)



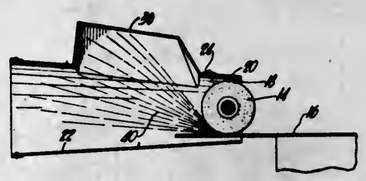
1. As a new article of manufacture, a bridge-type mute for violins and similar members of the stringed musical instrument family comprising a body structure including a split ring having co-acting prong means, the latter being adapted to be detachably mounted on a conventional bridge in usual fashion, said split ring being expandible and contractible for adaptability and adjustability and suitable, if and when desired, to be temporarily worn on the finger of the bow hand of the user.

2,483,881
ANIMAL TRAP
Clay Cole, Richmond, Ind.
Application April 4, 1947, Serial No. 739,375
15 Claims. (Cl. 43—96)



13. An apparatus for causing the drowning of trapped animals, comprising a pair of spring tensioned arms connected to fold together, a rod for retaining the arms separated against the spring tension, a deep water anchor for one end of the apparatus, an animal trap connected with the land end of the apparatus, and means responsive to a longitudinal pull on the apparatus for releasing the retaining rod.

2,483,882
GRINDER ATTACHMENT FOR SPARK TESTING
Joseph G. Cooper, Duquesne, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application February 14, 1947, Serial No. 728,449
2 Claims. (Cl. 51—272)



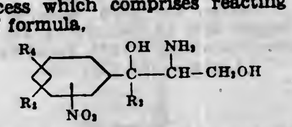
1. An apparatus for spark testing comprising a motor, a grinding wheel carried by said motor, an elongated casing detachably carried by said motor and being open at both ends, said grinding wheel being disposed in the casing adjacent one of said open ends and adapted to contact a workpiece inserted through said last named open end and to produce sparks from such contact, said casing extending in a direction generally tangential from the point of contact of the workpiece with the grinding wheel, and a hood projecting from said casing on the side opposite the region of contact between the grinding wheel and the workpiece in the trajectory of sparks thrown from the workpiece, said hood having a window through which such sparks are visible.

2,483,883
CATALYTIC PRODUCTION OF KETENE FROM ACETIC ACID
Paul Camille Elie Jacques Corbiere, Lyon, France, assignor to Societe "Rhodiaceta," Paris, France, a French body corporate
No Drawing. Application July 14, 1947, Serial No. 760,933. In France July 16, 1946
6 Claims. (Cl. 260—585.5)

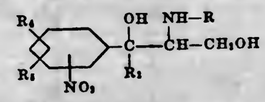
1. Process for the production of ketene which consists in the vapor phase pyrolysis of acetic acid in the presence of a catalyst consisting of a lower ester of phosphoric acid in association with a member of the group consisting of a lower ester of nitric acid and a nitro-hydrocarbon.

2,483,884
METHOD FOR MAKING NITROPHENYL ACYLAMIDO ALKANE DIOLS
Harry M. Crooks, Jr., Mildred C. Rebstock, John Controulis, and Quentin R. Bartz, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 16, 1948, Serial No. 15,264
10 Claims. (Cl. 260—562)

1. Process which comprises reacting a compound of formula,



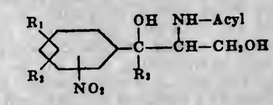
with a lower alkyl ester of a halogenated lower aliphatic carboxylic acid under anhydrous conditions to obtain a compound of formula,



where R is a halogenated lower aliphatic carboxylic acid acyl radical, R_3 is a member of the class consisting of hydrogen and lower alkyl radicals and R_4 and R_5 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy radicals.

2,483,885
NITROPHENYL ACYL AMIDO ALKANE DIOLS
Harry M. Crooks, Jr., Mildred C. Rebstock, John Controulis, and Quentin R. Barts, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 12, 1949, Serial No. 76,179
9 Claims. (Cl. 260—562)

1. A compound of the formula,



where R_1 and R_2 are members of the class consisting of hydrogen, halogen, lower alkyl and lower alkoxy radicals and R_3 is a member of the class consisting of hydrogen and lower alkyl radicals; said acyl being a carboxylic acid acyl radical.

8. [dl]-ψ - 1 - p-nitrophenyl - 2 - dichloroacetamidopropane-1,3-diol.

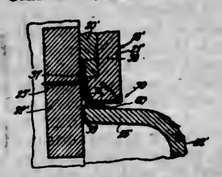
2,483,886
CATALYST COMPRISING DISPERSED ALKALI METAL AND CARBON BLACK AND POLYMERIZATION PROCESS EMPLOYING SAID CATALYST
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 23, 1946, Serial No. 671,899
17 Claims. (Cl. 260—83.7)

1. A process for the preparation of a dispersion of an alkali metal in an inert liquid hydrocarbon dispersing medium which comprises comminuting said alkali metal in said hydrocarbon in the presence of from about 2 to about 20 weight per cent carbon black based on the weight of the alkali metal employed.

2,483,887
CATALYST COMPRISING DISPERSED ALKALI METAL AND ALKALI METAL MERCAPTIDE AND POLYMERIZATION PROCESS EMPLOYING SAID CATALYST
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 23, 1946, Serial No. 671,900
18 Claims. (Cl. 260—84.3)

1. A process for the polymerization of a conjugated diolefin which comprises admixing said diolefin with a liquid inert hydrocarbon dispersion containing a finely divided and dispersed alkali metal in an amount equivalent to from about 0.1 to about 0.5 weight per cent of said diolefin and a mercaptide of said alkali metal in an amount equivalent to from about 0.5 to about 5.0 weight per cent of the alkali metal.

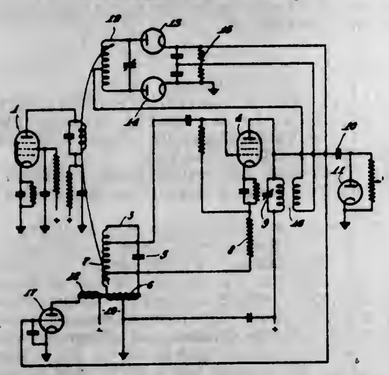
2,483,888
EDGE FINISHING STRIP FOR PLASTER WALLS
Gideon R. Danielson, Geneva, Ill.
Application August 3, 1944, Serial No. 547,856
3 Claims. (Cl. 72—0.5)



1. An article of manufacture comprising a resilient metal strip folded longitudinally into four continuous longitudinal portions which are connected to each other by folds along their side edges, each of said first and second portions being substantially planar, the second and third portions being disposed substantially perpendicular to each other, the first portion being disposed at an acute angle to said second portion and extending toward said third portion, and being of a width less than the width of said second portion, and said fourth portion being folded back over said third portion, and in contact therewith, and being

of a width greater than the width of said third portion, said fourth portion being bent forwardly in a curve of a comparatively large radius with respect to the radius of said folds, the marginal part of said fourth portion being disposed substantially parallel to and beneath said second portion and in proximity thereto by the flexing of said fourth portion, thereby permitting said marginal portion to bear against a surface spaced from and disposed substantially parallel to said second portion to form a seal.

2,483,889
SUPERHETERODYNE RECEIVER WITH AUTOMATIC FREQUENCY CONTROL
Folkert Albert de Groot, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1946, Serial No. 661,521
In the Netherlands April 16, 1943
7 Claims. (Cl. 179—171)

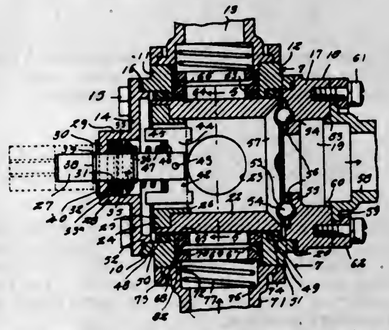


1. An amplifier circuit arrangement, particularly for use in a receiver for receiving signal voltages of carrier and sideband frequencies, comprising a resonant circuit for translating a first signal voltage having frequency components corresponding to said carrier and said sideband frequencies, an amplifier having an input circuit and an output circuit, a filter circuit comprising an inductor having a magnetizable ferromagnetic core sharply tuned to a frequency corresponding to said carrier frequency, means to couple said resonant circuit and said filter circuit in cascade to the input circuit of said amplifier to apply a signal voltage of frequency corresponding to said carrier and sideband frequencies to said amplifier, means to couple said filter circuit to said amplifier to derive and apply to the input circuit of said amplifier a second signal voltage of frequency corresponding to said carrier frequency to reduce the damping of said filter, means coupled to said resonant circuit and the output circuit of said amplifier to produce a frequency control voltage, means responsive to said control voltage to vary the magnetization of said ferromagnetic core to tune said filter sharply to an intermediate frequency corresponding to said carrier frequency, means coupling the output circuit of said amplifier to said filter circuit in regenerative feedback relationship to maintain variations in the quality factor brought about by variations in said control voltage at values at which the stability and selectivity of said filter are substantially constant, and means coupled to the output circuit of said amplifer to derive an output voltage comprising said first signal voltage and said second signal voltage and having carrier frequency components relative to sideband frequency components greater than the carrier frequency component of said first signal voltage.

2,483,890
CATIONIC FROTH FLOTATION OF IRON ORE
Fred D. De Vaney, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
No Drawing. Application March 25, 1946, Serial No. 657,076
8 Claims. (Cl. 209—166)

1. In the beneficiation of silicious iron-bearing material by a froth flotation procedure in which silicious gangue particles are floated from a pulp of the iron mineral, which pulp contains particles of various sizes including very fine oxidic iron particles, by the aid of a readily water-dispersible cationic collector, the improvement which consists in effecting the flotative separation in a non-acid pulp circuit, in the presence of a modified starch product having a cold water solubility of from 5 to 80% and a ferricyanide reducing value of from 20 to 250, said modified starch product not containing more than 2% of water-soluble sugars and being substantially free from raw starch, whereby the fine oxidic iron particles are depressed into the underflow.

2,483,891
VALVE PLUG SEAL
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application September 28, 1944, Serial No. 556,192
3 Claims. (Cl. 251—95)



1. A valve structure comprising a housing having a cylindrical bore and a plurality of intake ports communicating with said bore, said housing including opposite end walls and one of said walls having a central outlet port, a cylindrical valve plug rotatable in said bore and formed with a peripheral port registerable with a selected one of said intake ports, said plug having one end thereof open and confronting said outlet port, a shaft extending rotatably through the other of said housing end walls, a radially extending key carried by the inner end of said shaft, slots formed in the other end of said plug for slidably receiving said key whereby said plug is rotatable with said shaft, sealing means disposed about said shaft and confronting the inside of said other housing end wall, a washer loosely disposed about said shaft and adapted to bear against said other end of said plug, spring means interposed between said sealing means and said washer for constantly urging said plug in the direction of said outlet port and said sealing means against said other housing end wall, an index plate fixedly carried by said plug between said plug and said one wall of said housing, and means carried by said one end wall of said housing engaging said index plate for yieldably securing said plug in selected rotated position.

2,483,892
PROCESS FOR THE MANUFACTURE OF CHLORAMPHENICOL
John Ehrlich, Detroit, Robert M. Smith, East Detroit, and Mildred A. Penner, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 16, 1948, Serial No. 15,255
13 Claims. (Cl. 195—80)

1. In a process for obtaining chloramphenicol, the step which comprises cultivating *Streptomyces venezuelae* in contact with an aqueous nutrient medium under aerobic conditions at a temperature of about 20 to 40° C. for about two to fifteen days.

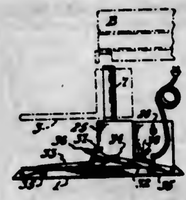
2,483,893
TUNABLE UNIT FOR HIGH-FREQUENCY CIRCUIT
Frederick C. Everett, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1945, Serial No. 629,664
8 Claims. (Cl. 178—44)



1. An ultra high frequency tuning unit comprising a pair of arcuate-shaped condenser stator plates positioned end to end on the arc of a circle and parallel to and on one side of the longitudinal axis of said tuning unit, individual incomplete annular metallic bands respectively connected at one end to and integral with said stator plates and forming parallel inductive paths, a metallic connection electrically joining said bands at their other ends, and a metallic rotor in capacitive relation to said stator plates and movable to vary both the capacitance and inductance of the unit.

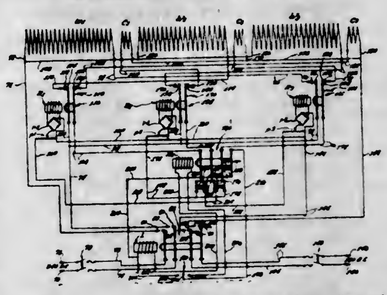
2,483,894
LIFTING DEVICE
Adolph H. Feibel, Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Co., Covington, Ky., a corporation of Ohio
Application June 29, 1946, Serial No. 680,418
18 Claims. (Cl. 187—9)

16. A lifting device for the purpose described comprising a base to rest upon a floor, vertical columns mounted on said base in spaced relation intermediate its ends, a lifting platform locatable in its lowest position within the confines of said base and substantially at floor level and extending forwardly of said columns, carriages on said columns connected to said platform so as to mount it for sliding movement, said carriages extending above the level of said platform, a first housing to the rear of said platform and movable therewith, said housing surrounding said carriages and being perforated to permit said columns to extend upwardly through it, a second housing behind said columns and mounted to



said base, a mechanical lifting device engaging said platform and base and located beneath said first housing, and a prime mover for said lifting device located beneath said second housing.

2,483,895
ELECTROMAGNETIC STRAIGHT-LINE MOTOR
Frederick C. Fisher, Bellmore, N. Y., assignor to Electronoid Corporation, New York, N. Y., a corporation
Application April 19, 1947, Serial No. 742,622
8 Claims. (Cl. 172—290)

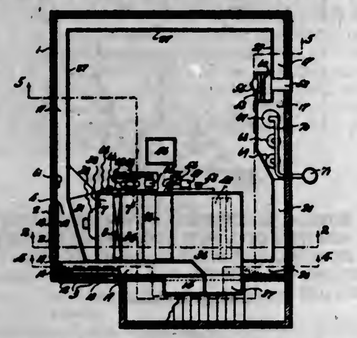


1. In apparatus of the character described, which comprises tandem-arranged solenoid coils and a common solenoid plunger therefor having alternate magnetic and non-magnetic sections, a direct-current relay for each coil operable to control energization of the latter, a winding for each relay, means for connecting said windings to an alternating current source, and means including current-rectifying means for operatively connecting said windings with their respective relays, said windings being in such reactance relation with said plunger as to cause sequential operation of their respective relays on predetermined relative movement between said windings and plunger in consequence of energization of said coils under the control of said relays.

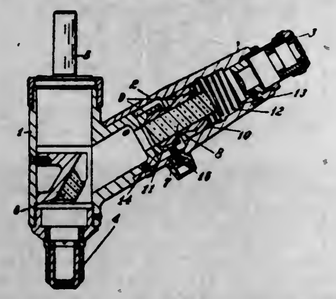
2,483,896
HOUSE HEATING SYSTEM
Frazer W. Gay, Metuchen, N. J.
Application March 9, 1945, Serial No. 581,859
8 Claims. (Cl. 257—8)

2. An outer heat insulating shell and an inner heat insulating shell spaced apart to provide an intermediate passageway separated from a cool outside, said spaced shells enclosing a chamber, a first warm fluid filling said chamber, a second lower temperature fluid filling the space passageway between said outer shell and said inner shell, heat pumping equipment comprising compressor cylinders having substantially one half the displacement required to pump the necessary heat

from out doors, said equipment being arranged to transfer heat from said second lower temperature fluid to said first warm fluid, and heat storage means adapted in very cold weather to maintain the temperature of said second lower temperature fluid at a value suited to the capacity of said heat pump equipment.



2,483,897
OPTICAL PRECISION GAUGE
Charles John Godfrey, London, England, assignor, by mesne assignments, to Hilger & Watts Limited, London, England
Application February 26, 1946, Serial No. 650,255
In Great Britain March 1, 1945
6 Claims. (Cl. 88—39)



6. An optical precision gauge comprising a main casing and a laterally projecting branch casing arranged at an inclination to one another, an objective lens system at one end of the main casing and an eyepiece lens system at the end of the branch casing, a fixed reflector by which the line of sight is bent along the branch casing to enable observation of the object to be made through said eyepiece, a refractor in the branch casing, and pivotal support means including first and second adjustment means each of which tilts the refractor about an axis normal to the line of sight to effect lateral shifting of the line of sight along straight paths normal to the optical axis.

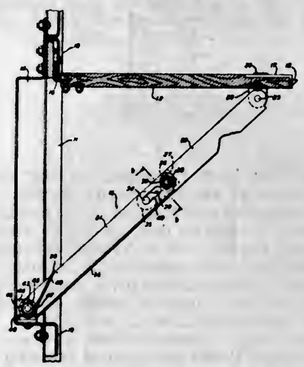
2,483,898
BRUSH HOLDER
Wesley R. Goss, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 25, 1946, Serial No. 699,262
1 Claim. (Cl. 173—269)

Lead clip assemblies for a double brush holder with a pair of brush guide members of electrically conductive material formed with substantially cylindrical outer surfaces, said lead clip assembly including a U-shaped contact clip member formed with a base and a pair of separable arms extending from said base between said brush guide members with arcuate contours substantially complementary to the outer surfaces of said brush guide members and arranged in contact therewith with said base on one side of said brush guide members, and means including a locking



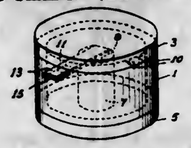
bolt extending between said arms with a head thereon on the side of said guide members away from said base for spreading apart said arms into good electrical contact with said brush guide members and a threaded shank portion thereon extending through said base and engaging a threaded element for biasing said base toward said brush guide members and locking said lead clip in good mechanical and electrical contact with said brush guide members.

2,483,899
COLLAPSIBLE SHELF
Vito Carmen Grasso, Bloomfield, and Harry Nelson Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1947, Serial No. 783,322
5 Claims. (Cl. 211—93)



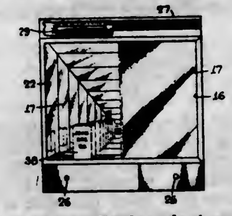
4. A collapsible shelf comprising a support, a shelf hinged at one edge to the support, an arm having two members, the outer end of one member being pivotally connected to the shelf and the outer end of the other member being pivotally connected to the support, a pivot pin carried by the inner end of one arm member and movably disposed in an elongate aperture in the inner end of the other arm member, a latch having cooperating members carried by the support and the shelf to hold the shelf in a collapsed position in the support, a spring carried by the support and engaging the arm to actuate the arm to move the shelf into a supporting position when the latch is released, a locking element carried by the apertured arm member and receivable in a notch in the other arm member to lock the arm members against accidental displacement when the shelf is in the supporting position, and a cam on the notched member to guide the locking element into the notch.

2,483,900
COIL HAVING A FERRITE CORE
Jan Jessyas Christiaan Hardenberg and Willem Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 25, 1947, Serial No. 737,128
In the Netherlands April 13, 1946
3 Claims. (Cl. 171—242)



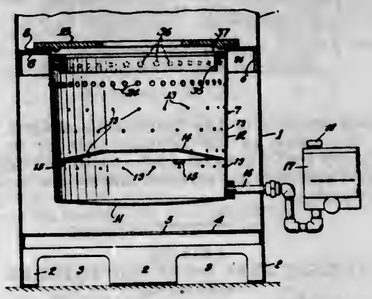
2. In an inductance coil, a core having an air-gap therein comprising a hollow cylindrical body enclosed at both ends and consisting of sintered ceramic ferromagnetic material, a central cylindrical member of sintered ceramic ferromagnetic material supported by one end of said body and separated from the other end thereof by an air-gap, said body being provided with an aperture in the peripheral wall thereof which is aligned with said air-gap, and an adjustable member of insulating material provided with a layer of pulverulent ferromagnetic material extending through said aperture into said air-gap for altering the width thereof and thereby altering the self-induction of the coil.

2,483,901
ADVERTISING DISPLAY DEVICE
Alexander G. Harris, Bloomfield, N. J.
Application July 10, 1946, Serial No. 682,689
2 Claims. (Cl. 272—8)



1. An advertising display device comprising a frame member, said frame member having a bottom wall, a back wall, an open top, a cover therefor, and end and front openings, a mirror unit in each of said end and front openings, each said mirror unit comprising panes of transparent material, and a light-reflecting coating intermediate said panes, an internal mirror on the back wall of said frame, a transverse partition member carried by the cover internally thereof, an internal light source secured to said cover and including light means on either side of said partition accessible when the cover is open, and a vertical partition member within said frame member internally dividing said device into a plurality of compartments abutting said front opening and mirror in side by side relation, for the display of articles of merchandise, and means for alternately energizing and de-energizing said light means individually, so that one of said compartments is illuminated while the other compartment is not illuminated, and vice versa, the partition member in the cover and the partition member in the frame having interfitting features which, when the cover is closed, telescopically engage to define a continuous partition member between said compartments.

2,483,902
HYDROXYLATING POT TYPE BURNER
Bruce Hayter, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application January 15, 1944, Serial No. 518,337
1 Claim. (Cl. 158—91)



In a burner pot for pot type burners, a pot member having a generally cylindrical circumferential side wall and an open end, the side wall of the pot having a plurality of primary air inlet apertures circumferentially spaced thereabout and located at various distances from the ends of the pot and secondary air inlet apertures adjacent the open end of the pot, said apertures being larger and more closely spaced than the primary apertures, a centrally apertured flame ring partly closing the open end of the pot, a deflecting sleeve located within the pot and between the open end of the pot and the secondary air inlet apertures, the space between the upper end of said sleeve and the side wall of the pot being closed, the lower edge of said sleeve being located adjacent but slightly above said secondary air inlet apertures, the pot having additional apertures adapted to admit air to the space between said sleeve and the pot wall at a level above said secondary air inlets.

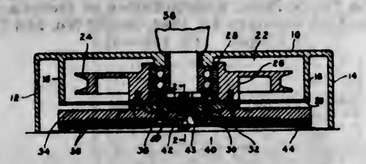
2,483,903
PROCESS OF PREPARING AN ADDITION PRODUCT OF 1,3 BUTADIENE AND FURFURAL
Glenn Herbolsheimer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 7, 1946, Serial No. 667,784
12 Claims. (Cl. 260—345)

1. The process which comprises reacting 1,3-butadiene with furfural so as to form a liquid addition product at a temperature within the range of 50 to 350° F. in the presence of a solid contact-type condensation catalyst.

2,483,904
FLOOR SANDING EDGER
William P. Hilger, St. Cloud, Minn.
Application October 9, 1946, Serial No. 702,229
1 Claim. (Cl. 51—197)

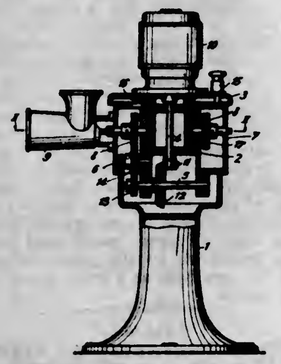
In a surface finishing device embodying a hub, a supporting disk secured to said hub, said disk having a relatively shallow central depression and a central aperture, a sheet of abrasive paper adapted to be positioned on the outer surface of the disk, of means for frictionally securing said sheet to said disk comprising an annular member having a frusto-cone shaped central depression for passage through the paper and entry into the aperture in said disk, said central portion being surrounded by a flat annular flange for holding a central portion of the paper within the shallow depressed portion of the disk, and a securing

member having a threaded shank adapted to be secured in the hub, said securing member having a frusto-cone shaped head for closely engaging in a metal-to-metal contact substantially the entire



interior surface of the frusto-cone shaped central depression of the annular member to substantially seal the same against entry of foreign matter and provide relative movement between said members.

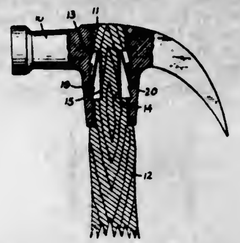
2,483,905
TURRET-TYPE DOMESTIC KITCHEN MACHINE
Paul Hubmann, Zug, Switzerland
Application December 27, 1946, Serial No. 718,734
In Switzerland February 22, 1946
2 Claims. (Cl. 74—16)



1. A turret type domestic kitchen-machine of the character described, comprising an electric-motor, a stationary pedestal column in which said motor is mounted, a gear system driven by said motor, a turret pivoted on said column, a spur-gear forming part of said gear system driven by said motor and rotatable about an axis at right angles to the turning axis of said turret, a plurality of independent pinions borne for rotation in said turret and adapted to be brought into mesh with said spur-gear, a plurality of individual kitchen devices secured to said turret and adapted to be operated by said motor-driven gear, one at a time, by way of one of said pinions, and means to permit an axial displacement of said turret against spring-action automatically caused by any of said pinions riding on said spur gear into engagement with the latter when said turret is turned.

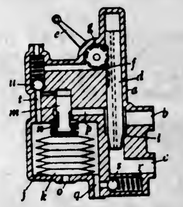
2,483,906
RETAINING MEANS FOR TOOLHEADS
Vincent Iavarone, New York, N. Y.
Application April 8, 1946, Serial No. 660,542
2 Claims. (Cl. 306—32)

1. In a work implement having a socket and a handle insertable therein, a plurality of buttress teeth formed in said socket, a spring member retained by said handle and adapted to engage in at least one of said teeth to prevent removal of said handle from said implement and means comprising a plurality of bores in the work im-



plement to admit a pin into each of the said sockets whereby the said spring may be compressed to release said locked handle.

2,483,907
LIQUID FUEL CONTROLLING MEANS
Richard Joseph Ifield, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application March 25, 1947, Serial No. 737,030
In Great Britain February 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1966
3 Claims. (Cl. 277—54)

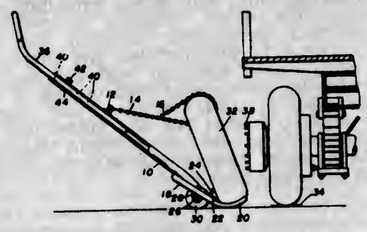


1. Means for controlling the supply of liquid fuel to a prime mover of the kind specified, comprising in combination an inlet passage for liquid fuel under pressure, a main outlet passage for liquid fuel from said inlet passage, a subsidiary outlet passage for liquid fuel from said inlet passage, a manually operable valve for controlling liquid fuel flow from said inlet passage to said main outlet passage, a bypass valve for controlling liquid fuel flow from said inlet passage to said subsidiary outlet passage, a non-return valve operable by liquid fuel pressure at the outlet side of said by-pass valve for admitting a restricted supply of liquid fuel from the outlet side of said by-pass valve to said main outlet passage, and means for actuating said by-pass valve in response to liquid fuel pressure at the outlet side of said by-pass valve.

2,483,908
HEAVY TRUCK TIRE AND WHEEL DOLLY
George Harold Jackson, Roberts, Idaho
Application March 7, 1947, Serial No. 733,117
2 Claims. (Cl. 214—65.4)

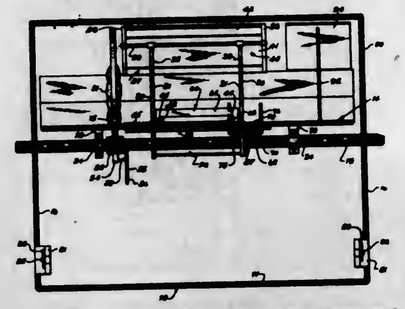
1. A wheel dolly comprising a sleeve having an end portion, a substantially U-shaped member having a web and legs, said web being rigidly attached to said sleeve at a point spaced from said end, an angle member secured to said legs and the end of said sleeve adapted to engage the side of a tire in removing and mounting the same on a

vehicle, the ends of said legs being smoothly curved to support the tread portion of a tire and



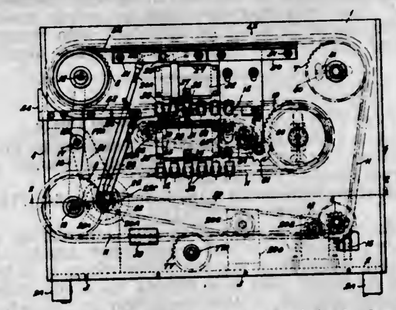
to act as a cam surface in mounting and dismounting a tire and wheel of a vehicle.

2,483,909
TILTING ANIMAL CHUTE
Robert C. Kelrsey, Roy, N. Mex.
Application January 29, 1945, Serial No. 575,061
9 Claims. (Cl. 119—98)



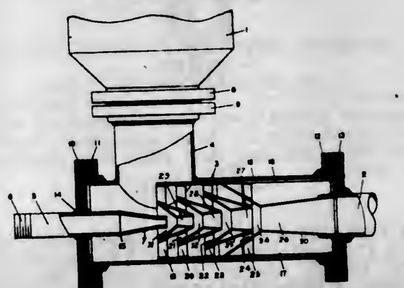
1. In a device of the character described in combination, a frame, a main axle thereon, a side member pivotally secured on said axle for rotation thereabout, a squeeze side pivotally secured to said side member, a gate secured to said axle and swingable thereabout to engage the neck of an animal, and said gate having an arcuate outer edge and formed with a padded, arcuate, neck engaging aperture therein.

2,483,910
CAPACITOR END FILLING MACHINE
Gilbert J. Kennedy, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 16, 1945, Serial No. 573,131
9 Claims. (Cl. 91—43)



1. A device for conveying electrical elements comprising a support member, a plurality of chain sprockets mounted for rotation on said support member, a continuous chain engaging the teeth of said sprockets, support means secured to said chain to receive the electrical elements an oscillating arm pivoted on said support member and supporting some of said sprockets, means for moving and reversing the position of said electrical elements, and means for moving said oscillating arm for intermittently stopping movement of one portion of said chain while another portion moves.

2,483,911
INJECTOR
Herschel R. Lamborn, Kansas City, Kans., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 11, 1945, Serial No. 615,551
3 Claims. (Cl. 302—25)



1. Means for entraining and conveying granular material in a fluid stream, which comprises in combination a substantially L shaped pipe, the vertical portion of said L shaped pipe forming a granular material inlet; an outlet conduit in substantially horizontal alignment with the horizontal portion of said L shaped pipe extending from the end of the L shaped pipe which is remote from the vertical portion thereof; and a fluid supply conduit communicating through said horizontal section of said L shaped pipe between a fluid supply source and said outlet conduit, the portion of said fluid conduit within said horizontal portion of said L shaped pipe being formed of a series of spaced nested Venturi tubes which are disposed so that their inside downstream surfaces lie substantially in the same conical plane, whereby a series of spaces in said fluid conduit is provided between said nested Venturi tubes, said vertical portion of said L shaped pipe communicating with the interior of said fluid conduit through at least one of said spaces and a portion of said horizontal section of said L shaped pipe which is remote from said vertical portion communicating with the interior of said fluid conduit through at least one other of said spaces.

2,483,912
AUTOMATIC PROPELLER
Glen T. Lampton, West Hartford, and Donald W. Perin, East Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 3, 1945, Serial No. 580,834
9 Claims. (Cl. 170—160.52)

1. A self-regulating propeller comprising in combination, a driving hub, and a plurality of blades flexibly supported therefrom, said blades being freely articulated about an intermediate point in their lengths and movable about said

point in response to variations in thrust and having an attachment to said hub at a point located substantially in the plane of rotation longi-



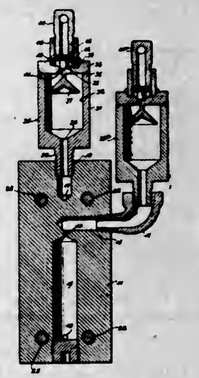
tudinally spaced from said intermediate point and eccentric to the blade centerline, whereby said blades will vary their pitch with variations in thrust.

2,483,913
AUTOMATIC PROPELLER BLADE SUPPORT
Glen T. Lampton, West Hartford, Conn., assignor to United Aircraft Corporation, Hartford, Conn., a corporation of Delaware
Application March 3, 1945, Serial No. 580,835
3 Claims. (Cl. 170—160.52)



1. A self regulating propeller comprising in combination, a central driving hub, aligned blades extending radially in opposite directions from said hub, and blade mounting means pivotally connecting said blades with said hub for movement about axes extending longitudinally and transversely of said blade, said mounting means comprising, an elongated sleeve secured in and extending diametrically through said hub, the ends of the opening extending through said sleeve being bell-mouthed, ferrules aligned with said sleeve and extending centrally and longitudinally into said blades from their hub ends and secured therein, said ferrules at their hub ends being bell-mouthed, and a flexible cable, said cable extending longitudinally through and secured to said sleeve and having its ends extending into and secured to said ferrules beyond their bell-mouthed ends, said sleeve extending substantially the entire distance between said ferrules and terminating adjacent the bell-mouthed ends of said ferrules, and supporting said cable except adjacent said bell-mouthed ends whereby, said unsupported portion of said flexible cable provides transverse and longitudinal, pivotal, support for said blades and the support portion of said cable restrains transverse and longitudinal movement of adjacent portions of said sleeve and ferrules.

2,483,914
U-TUBE PRESSURE GAUGE
Andrew L. Lawson, Lincolnshire, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application September 4, 1945, Serial No. 614,119
9 Claims. (Cl. 73—401)

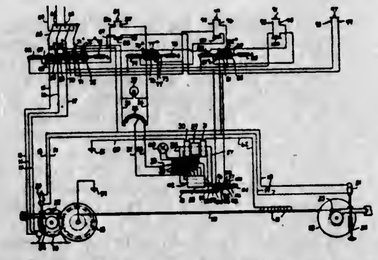


9. In a U-tube pressure gauge, a transparent body having a passageway therethrough, a reservoir having its lower end in communication with the lower end of said passageway, a body of gauge liquid in said reservoir and passageway, separate splash chambers connected to the upper ends of said passageway and said reservoir with each of said splash chambers having a restricted opening at its upper end and an outer socket larger than and in alinement with said restricted opening, a block of incompressible porous material positioned in each of said sockets, a sleeve mounted on each of said splash chambers to provide a passageway outwardly of said porous block, and a shield mounted in each of said splash chambers below the restricted openings to substantially prevent gauge liquid from splashing into the restricted openings to contact said porous blocks.

2,483,915
INSULATION-TESTING APPARATUS
Harold A. Lines, Hamden, Conn., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application February 19, 1946, Serial No. 648,775
4 Claims. (Cl. 175—183)

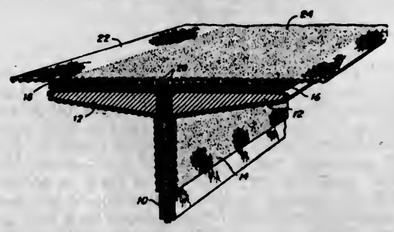
1. An insulation-testing apparatus including: a testing electrode; a drive-means constructed and arranged to cause an insulated wire which is to be tested to travel past said testing electrode with the outer surface of the insulation of the wire close enough to said electrode to result in a flow of current between said electrode and the wire

through a defect in the insulation of the wire; a high-reactance transformer characterized by a core of magnetic material, a relatively-high-voltage secondary winding on said core having one terminal connected to said testing electrode and the other terminal connected to a wire to be tested, a relatively-low-voltage primary winding on said core adjacent said secondary winding, and a second relatively-low-voltage primary winding on said core, said second primary winding being remote from said secondary winding whereby the magnetic flux from said second primary winding is permitted to leak across the portion of the core interposed between the secondary winding and the second primary winding without passing through the secondary winding, the flux generated by the secondary winding due to an increase of current in the secondary circuit resulting from a flow of current through a



defect in the insulation of a wire being tested, opposing the flux generated by the adjacent primary winding thereby to effect an increase in magnetic flux leakage from the core; shut-off-means constructed and arranged to be actuated to cause the stoppage of said drive-means and thus cause the stoppage of travel of the insulated wire being tested; and shutoff-actuating means including means having no connection in the secondary circuit of said transformer and arranged adjacent the magnetic core thereof so as to be responsive to said increase of magnetic flux leakage, said shut-off actuating-means being constructed and arranged to be actuated by said increase of magnetic flux leakage to cause said shut-off-actuating means to actuate said shutoff-means to cause the stoppage of said drive-means when there is a said flow of current through a defect in the insulation of a wire being tested.

2,483,916
METHOD OF AND ATTACHMENT FOR DOPED FABRIC
Walter W. Lysak, Seymour, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 23, 1945, Serial No. 595,437
13 Claims. (Cl. 244—132)



10. In aircraft, means for securing a cover fabric to a structural member having a longitudinally extending groove therein, a foundation strip secured to said member and overlying said groove, a fastening strip sewed to said foundation strip along said groove with the stitches lying in said groove, a cover fabric overlying said fastening strip and said stitches, and means for adhesively securing said fabric to said fastening strip.

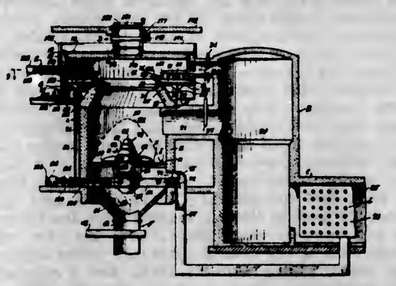
12. The method of securing a cover fabric to an underlying structural member which comprises the steps of securing a fabric foundation strip to the structural member, placing a fastening strip of permeable material over said foundation strip with a strip of fluid impermeable material therebetween, securing said strips together in the aforesaid relation by stitching, placing the cover fabric over said fastening strip, and adhesively bonding said cover fabric to said fastening strip by impregnating said cover fabric and said fastening strip in the vicinity of said stitching with an adhesive.

2,483,917
SPRING CLIP FOR ADJUSTING WRENCH SCREWS
Alois M. Maselter, Rockville, Minn.
Application October 30, 1946, Serial No. 706,559
1 Claim. (Cl. 81—165)



In combination with a wrench having an adjusting nut and a recess to receive the adjusting nut, a spring clip made of flat spring material and having a bowed mid portion receivable in the recess with the bight of the bowed portion of the clip fitting over a portion of the wrench, the bowed portion terminating in reversely bent spring arms overlying the bowed portion, said arms engaging the nut to prevent rotation thereof, the free ends of said spring arms being bent outwardly to conform to the contour of said nut with the arms and the body portion forming opposed loops which are adapted to be pressed toward each other to release the pressure of the arms on the nut, said arms having one corner cut away to enable free access to the nut when it is necessary to make an adjustment.

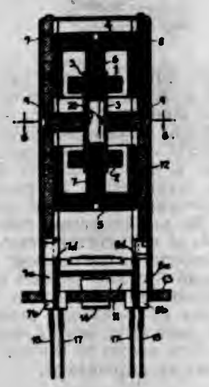
2,483,918
SLUDGE AND REFUSE DISPOSAL
Warren S. Martin, Massapequa, N. Y., assignor to Morse Boulger Destructor Company, New York, N. Y., a corporation of Delaware
Application October 15, 1946, Serial No. 703,430
13 Claims. (Cl. 110—8)



1. An incinerator furnace for disposal of sewage sludge, rubbish and the like which comprises

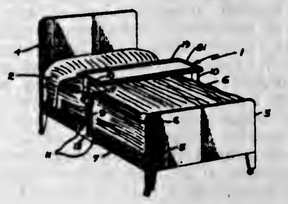
a firebox, a stationary annular hearth in the lower part of the firebox, a grate surrounding said hearth, an ash chamber beneath said grate, a mechanically driven rotatable stoker adjacent said hearth, means defining an opening at the upper end of said firebox providing a throat, a sludge drying chamber above said firebox, an annular hearth mounted for rotation in said chamber and having a central opening registering with said throat, means including a conveyor to charge sewage sludge to said rotatable hearth, means including a chute to charge rubbish onto said stationary hearth and rabble means to move sludge on said rotatable hearth into said central opening to cause the sludge to fall into said firebox, a combustion chamber having flue connection to said firebox and sludge drying chamber, and means to supply air to said firebox.

2,483,919
COIL AND CONDENSER ASSEMBLY
Joseph R. Mazzola, Kearny, N. J., assignor to Automatic Manufacturing Corporation, Newark, N. J., a corporation of New Jersey
Application May 29, 1948, Serial No. 29,979
7 Claims. (Cl. 171—242)



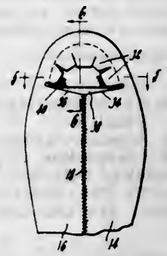
6. A coil and condenser assembly of the character described including a coil form, coils located in spaced relation therealong, and core members respectively serving said coils, frame pieces extending longitudinally of said coil and coil form structure on opposite sides thereof, a condenser supporting block interposed between adjacent end portions of said frame pieces, the opposite sides of said block which are respectively adjacent said frame pieces having terminal strips projecting therefrom and at least one of said sides having such a terminal strip projecting from the intermediate portion thereof substantially in line with the corresponding frame piece, said last mentioned frame piece having lacing lugs extending along at least one side edge thereof, said last mentioned frame piece and block structure having therein a conductor lead receiving passageway extending from said last mentioned side of the frame piece to a point adjacent said intermediate terminal strip, and a conductor lead extending from at least one of said coils along said lacing lugs and passageway to said intermediate terminal strip.

2,483,920
TABLE ATTACHMENT FOR BEDS
Colin C. McLean and Sander A. Davis, Chicago, Ill., assignors to Hospital Furniture, Inc., Chicago, Ill., a corporation of Illinois
Application November 7, 1947, Serial No. 784,696
1 Claim. (Cl. 311—27)



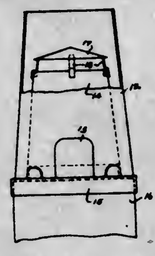
A table attachment for a bed comprising a C-shaped channel opening outwardly attached to each side of the bed in a horizontal position below the mattress on the bed, a substantially vertical standard extending upwardly from each of the channels to a level slightly below the upper surface of the mattress, a plurality of rollers spaced horizontally rotatably attached at the bottom of the standards and traveling in the channels to support the standards in a vertical position, a leg extending above the upper surface of the bed pivotally and adjustably attached to the upper end of each of the standards, a table top attached to the upper end of each of the legs extending across the bed, a brake lever extending along one of the standards to a position accessible to the occupant of the bed, and a brake block attached to the lower end of the lever adapted to frictionally engage the channel in response to movement of the brake lever, said brake allowing the rollers to move the table smoothly in a horizontal direction when released.

2,483,921
METHOD OF MAKING MOCCASIN UPPERS
Pinchos E. Medwed, Bangor, Maine
Application April 30, 1946, Serial No. 666,103
2 Claims. (Cl. 12—142)



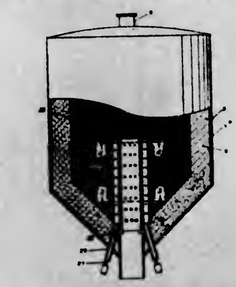
1. Steps in a method of making uppers for moccasins or shoes of the moccasin type which comprises bending an elongated upper piece and stitching the ends together to form the back seam of the upper, butting and stitching together mutually adjacent edges from said back seam forward to a point near the toe to form a bottom leaving an opening in the toe portion of the bottom, placing the partly formed upper on a last, inserting a semi-circular plate in said opening, and toe-lasting the upper to secure to the plate the adjacent margin of the upper.

2,483,922
CHIMNEY DRAFT CONTROL
John H. Messer, Pittsburgh, Pa.
Application September 5, 1946, Serial No. 694,840
1 Claim. (Cl. 98—78)



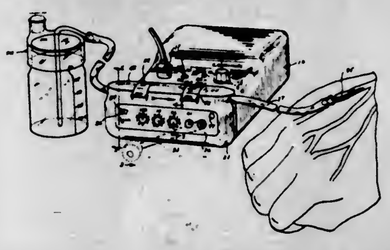
A draft control for a chimney comprising the combination of a flat base provided with an opening registering with the chimney channel, side flanges depending from said base for securing the latter to the top of the chimney, an upwardly extending attaching neck forming the wall of said opening, a cone-shaped inner shell open at both ends and having the lower enlarged end thereof secured to said neck, a cone-shaped outer shell surrounding said inner shell in concentric spaced relation to the latter, a plurality of connecting lugs stamped from said base and being attached to said outer shell for securing the latter to said base, said outer shell being provided with a plurality of draft openings in the lower portion of the wall thereof, the top of said outer shell projecting above the top of said inner shell, a cap for said inner shell disposed within the upper end of said outer shell, and a plurality of clips for supporting said cap on the upper end of said inner shell in spaced relation to the top of the latter.

2,483,923
VERTICAL TYPE INTERNAL OUTLET HEADER FOR CATALYST CHAMBERS
Alfred E. Morrey, Jr., Sand Springs, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 3, 1947, Serial No. 777,821
9 Claims. (Cl. 196—52)



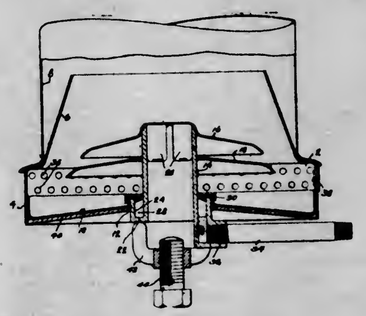
9. An improved method for catalytically converting hydrocarbons which comprises the steps of injecting preheated reactant materials into the upper portion of a catalyst containing conversion zone; passing said reactant materials downwardly and inwardly through said catalyst, whereby conversion of said reactant materials is accomplished; passing effluent materials from said conversion zone through a catalyst trapping zone and thence through a separation zone into an effluent collection zone, whereby catalyst fines entrained in said effluent stream are separated from said effluent stream in said separation zone and are retained in said trapping zone; opening said trapping zone to the atmosphere upon pressure drop across said conversion, trapping, separation and collection zones reaching a predetermined maximum, whereby said trapped catalyst fines are blown from said trapping zone by effluent materials from said conversion zones; closing said trapping zone to the atmosphere upon pressure drop across said conversion, trapping, separation and collection zones reaching a predetermined minimum; and removing catalyst freed effluent materials from said effluent collection zone.

2,483,924
PUMP
Edmond Jean Moulinier, Paris, France
Application June 10, 1946, Serial No. 675,678
8 Claims. (Cl. 103—149)



1. A pump for moving fluid in a flexible duct comprising a housing, means mounting an intermediate portion of said duct in said housing, a plurality of pressure rollers movably mounted in said housing, said rollers and housing being so constructed and arranged as to provide an initial duct compressing zone, a duct compressed zone, a duct decompressing zone whereby to provide a steady fluid movement through said duct, and gauge means carried by said housing engaging said duct forwardly of said decompressing zone for indicating the fluid delivery pressure.

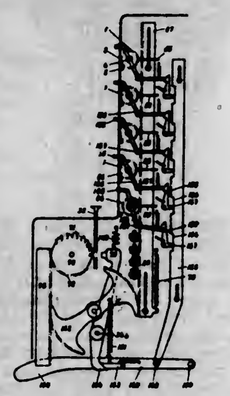
2,483,925
APPARATUS FOR BURNING GAS OIL
Theodore Nagel, Brooklyn, N. Y.
Application January 7, 1947, Serial No. 720,644
3 Claims. (Cl. 158—91)



1. A gas oil burner comprising, in combination, a vaporizing pot having a bottom sloping down-

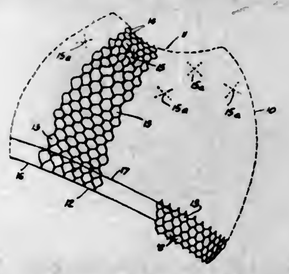
wardly from a point adjacent the axis of the pot to the outer edge thereof, constituting the burner hearth; a tubular fitting extending through the hearth vertically of the pot; a flange forming an annular chamber about the lower end of said fitting; means for supplying oil to said chamber and flowing the same over the upper edge of the flange, whereby the oil will flow by gravity over the hearth to form a thin film; deflectors supported in superimposed relation by said fitting; air openings through the wall of the fitting to permit air to flow through the fitting and out of the same between the deflectors into the vaporizing pot, and air inlets in the side wall of the vaporizing pot between the level of the air openings in the fitting and the hearth.

2,483,926
TIME RECORDING APPARATUS
Carl Erik Jean Nilson, Aengelholm, Sweden
Application April 20, 1944, Serial No. 531,975
In Sweden May 15, 1942
2 Claims. (Cl. 346—14)



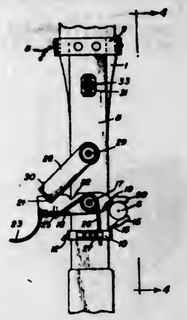
1. Time recording apparatus including a plurality of individual counters operable to register the time elapsed in the performance of different operations, time controlled means for imparting timing impulses to said counters, a common stamping device for recording elapsed times registered by said counters, a device for receiving record cards bearing perforations arranged to control the selection of the individual counters corresponding to said record cards, star wheels arranged to sense the number of such perforations upon insertion of each record card, means controlled by the amount of rotation of the star wheels for selecting the corresponding counter, a ratchet wheel for each counter and means for advancing said ratchet wheel one step upon each insertion of the record card corresponding to said counter, means controlled by the position of said ratchet wheel for alternately connecting and disconnecting said counter from said time controlled means upon successive insertions of the corresponding record card, gearing arranged to transmit the registrations of said counters to said common stamping device, means for connecting said counters selectively with said gearing, and means for actuating said gearing to transmit the selected registration to said stamping device and simultaneously to restore the selected counter to zero registration.

2,483,927
HAIR NET
Saul Oliner, Brooklyn, N. Y.
Application June 4, 1947, Serial No. 752,373
1 Claim. (Cl. 132—49)



A hair net of interwoven strands forming a cap portion of large sized meshes, said net having a crown opening and a bottom opening, a plurality of small sized meshes surrounding said crown opening, a plurality of small sized meshes at the neck portion of said bottom opening, and a plurality of extra large sized meshes formed by eliminating adjoining large sized meshes, said extra large sized meshes being distinct and separate from each other and equally spaced in each of two planes parallel to and around said crown opening and staggered with respect to each other so that an extra large sized mesh in one of said planes is equidistant from two extra large sized meshes in the other of said planes in zig-zag formation, said extra large sized meshes being so disposed around the entire net near its crown opening.

2,483,928
ARROW CLAMP FOR ARCHERY BOWS
George S. Ott, Rice Lake, Wis., assignor of fifty per cent to George J. Ott, Rice Lake, Wis.
Application August 18, 1947, Serial No. 769,152
9 Claims. (Cl. 124—23)

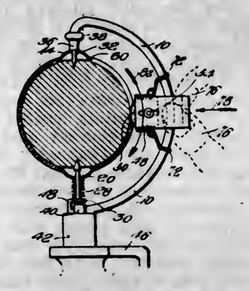


1. An attachment adapted to be secured to the handle of a bow comprising an elongated body plate, bow encircling supporting clamps at the upper and lower ends thereof, an arrow guide rest supported by said plate, an arrow lock lever pivotally mounted on said plate for cooperation with said arrow guide rest to secure the forward end of an arrow in partially drawn position when disposed on said guide rest, and an arrow lock catch pivotally mounted on said plate and engaging said lock lever for securing said arrow lock lever against pivotal movement.

2,483,929
CATALYTIC HYDROCARBON CONVERSION
James R. Owen, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 15, 1946, Serial No. 641,416
6 Claims. (Cl. 260—680)

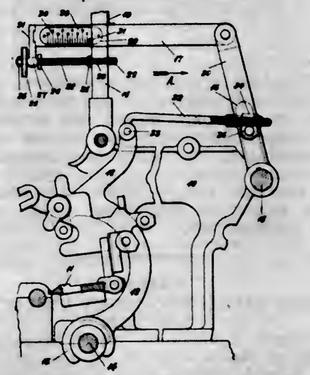
4. A process for dehydrogenating an aliphatic hydrocarbon having from two to eight carbon atoms per molecule which comprises subjecting the hydrocarbon to dehydrogenating conditions at an elevated temperature in the presence of a dehydrogenating catalyst comprising essentially 5 to 20 weight per cent beryllium oxide, 5 to 40 weight per cent chromium oxide, and 40 to 90 weight per cent aluminum oxide formed by separately dissolving salts of the respective metals in a quantity of water not substantially in excess of the amount necessary to dissolve the salt, slowly adding alkali in an amount insufficient to effect precipitation of the metal ion as the hydroxide but sufficient to form the hydrosol thereof, admixing the respective hydrosols, adding sufficient alkali to coprecipitate the respective metal ions as a mixture of the hydrous oxides, gradually heating said mixture to about 500° C., and maintaining said temperature for a period sufficient to effect substantially complete conversion to the metal oxides; and recovering a dehydrogenated hydrocarbon from the process.

2,483,930
FRUIT PEELING DEVICE
William Pauls, Washington, D. C.
Application December 18, 1945, Serial No. 635,715
2 Claims. (Cl. 146—3)



1. A fruit peel cutting device comprising a base having a standard at its top, a vertically disposed arcuate bar having its lower end secured upon said standard and its upper end portion extending downwardly and carrying a depending pin, a downwardly extending cup surrounding said pin and having a toothed lower edge, a lower pin rising from the lower end of said arcuate bar in alignment with the first pin, a cup surrounding the lower pin and having a toothed upper edge, the lower cup being slidable vertically along the lower pin, a spring about the lower pin urging the lower cup upwardly, and a cutter carried by said arcuate bar and consisting of a horizontally disposed handle having side walls disposed at opposite sides of the bar, forward portions of the side walls being formed with horizontally extending slots, a block mounted between forward portions of the side walls and formed with an opening registering with the slots, a blade fitting between the block and one side wall and formed with a horizontal slot registering with the slot of the last mentioned side wall, said blade having its forward portion projecting from the handle and formed with a longitudinally curved cutting edge, a bolt passing through the slots of the side walls and the blade and the opening of the block and tightened, flanges along upper and lower ends of the block engaging upper and lower edges of the blade and preventing the blade from turning about the bolt, and springs formed of resilient wire and having coiled portions and arms extending from ends thereof, certain of the arms being secured to the handle and others being formed with loops fitting about the arcuate bar above and below the handle and mounting the cutter for sliding movement along the said bar.

2,483,931
COMBING MACHINE FOR COMBING TEXTILE FIBERS
Donald Pierrepont, Chadderton, Oldham, England, assignor to Platt Brothers and Company Limited, Oldham, England
Application May 23, 1946, Serial No. 671,755
In Great Britain July 6, 1945
5 Claims. (Cl. 19—116)

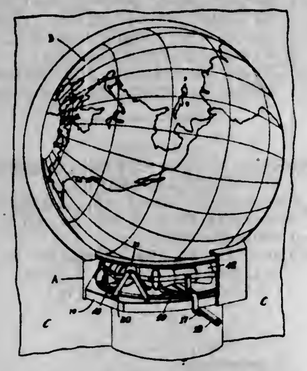


1. Apparatus for simultaneously setting the nippers of a combing machine for combing textile fibres having a frame, at least one set of nippers, and at least one nipper-setting shaft mounted in said frame, radial arms mounted on said shaft, connections between said arms and the nippers, an easily accessible setting arm located approximately midway of the length of the machine and in operative connection with one of said radial arms, a guide member supported by said frame, said setting arm being adjustable in said guide member, a manually operable screw-threaded adjusting rod mounted in approximate parallelism with said setting arm and operatively connected to said setting arm, whereby turning movement of the adjusting rod transmits endwise movement to the setting arm, and an easily visible index gauge comprising co-operating members mounted on said setting arm and said guide member to indicate the setting of the nippers.

2,483,932
GLOBE MOUNT
Louis H. Powell, St. Paul, Minn., assignor to Saint Paul Institute, St. Paul, Minn., a corporation of Minnesota
Application March 12, 1945, Serial No. 582,302
19 Claims. (Cl. 35—46)

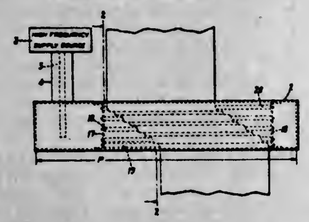
17. A globe support comprising means normally supporting the globe rotatable about a substantially vertical axis, roller means engageable

with said globe on opposite sides of the center of the globe, means supporting said roller means movable toward or away from said globe and operable to raise said globe out of contact with said first named supporting means, a second roller means engageable with said globe on opposite sides of the center thereof, means supporting said second roller means for movement toward or



away from said globe and operable to raise said globe out of contact with said first named supporting means, cam means for actuating said roller supporting means, and means simultaneously moving all of the said cam means to selectively engage either of said roller means with said globe, said last named means comprising a rotatably supported ring upon which said cam means are mounted.

2,483,933
ULTRA HIGH FREQUENCY DIELECTRIC HEATER
Henry Earl Revercomb, North Syracuse, and Philip W. Morse, Clay, N. Y., assignors to General Electric Company, a corporation of New York
Application October 15, 1947, Serial No. 779,940
3 Claims. (Cl. 219—47)



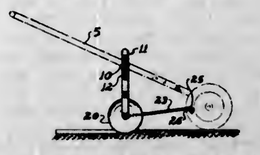
1. An ultra high frequency heater comprising walls made of an electrically conducting material forming an elongated chamber, a high frequency supply source connected to said chamber for producing a transverse electric field mode in said chamber, two sets of rollers mounted in said chamber in spaced apart relation with each other transversely of said electric field a distance at least substantially one-half of the wave length in said chamber whereby heating of said rollers is minimized, and two opposite walls of said chamber being provided each with an opening through which a sheet of material to be heated may be passed over said rollers back and forth between said sets of rollers in a plurality of lengths extending transversely of said chamber.

2,483,934
METHOD OF BRAZING PROPELLER BLADES
Russell Richardson, Mountain Lakes, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 24, 1945, Serial No. 612,435
1 Claim. (Cl. 113—112)



The method of brazing a fillet in the acutely angled space between two overlapping plate members joined adjacent their edges by deposited fused weld metal, one of said members being thinner than the other, in which the weld metal forms a bead whose surface is substantially contiguous with the outer surfaces of said plates in which the joint between the thinner plate and the weld metal is smaller than the joint between the larger plate and the weld metal and in which the acutely angled space between the plates is bordered predominantly by the inner surfaces of said plates, which comprises placing a heat resistant blanket over a portion of the thinner plate and over the outer surface of said weld bead adjacent thereto placing a metal strip over said blanket and tack-welding the strip to the plate to secure the blanket, holding the welded plates with the blanket so that the apex of the interior acute angle is downward, applying brazing material in said acutely angled space, and exteriorly heating said blanket and the plates adjacent the weld simultaneously to greater-than-brazing temperature so that the weld bead and apex of the acutely angled space is heated to brazing temperature predominantly by heat conduction through said plates and blanket for fusion of the brazing material and so that a fillet of brazing material is formed in the apex of the acutely angled space, said blanket acting as a retarder to prevent the thinner plate and the weld bead from exceeding the level of temperature to which the adjacent thicker plate is raised.

2,483,935
EDGE TRIMMING ATTACHMENT FOR LAWN MOWERS
Henry W. Ridenour, Bloomington, Ill.
Application March 10, 1947, Serial No. 733,634
1 Claim. (Cl. 56—251)



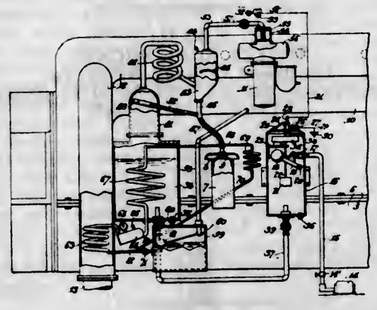
In an edge trimming device adapted to be attached to lawn mowers, a beam adapted to be adjustably secured to the lawn mower handle and having a depending arm at the free end thereof,

a vertical standard having a longitudinally extending slot adjacent to the upper end thereof, a fastening element extending through the arm and said slot for supporting the standard at different positions of adjustment, a bracket secured to the standard and having a portion extending outwardly therefrom at right angles to the standard and in parallel relation to the beam, and an integral portion on the said bracket extending in parallel relationship to the standard and terminating at approximately the end of the standard, a spindle journalled in said integral portion and standard, a cutting disk rotatably mounted on the spindle, and spacing elements on said spindle between the said integral portion and disk and between the disk and standard to maintain the cutting disk in operative relation to the assembled parts.

2,483,936
DRILLING FLUID
Perry L. Roberts, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 18, 1947, Serial No. 786,797
4 Claims. (Cl. 252—8.5)

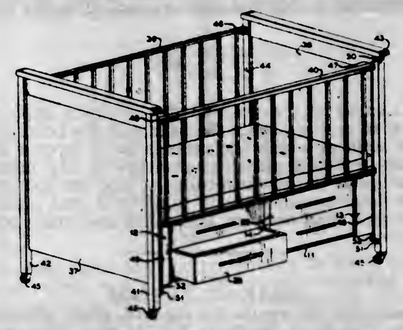
1. A water base well drilling mud comprising in combination sufficient water to maintain the mud as a fluid, sufficient clayey material to form a filter cake on the wall of the well, and from 1 to 8 pounds of water soluble oxidized mannogalactan per 42 gallon barrel of mud.

2,483,937
OIL VAPORIZER
Jacob Rosenblum, Crescent Park, N. J., assignor of one-fourth to Henry Trattner, Audubon, and one-fourth to Raymond L. Siris, Camden, N. J.
Application April 6, 1945, Serial No. 586,919
6 Claims. (Cl. 123—196)



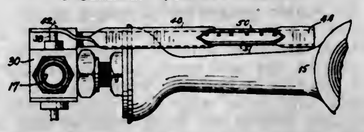
1. An oil vaporizer comprising, in combination with an engine including intake and exhaust manifolds, a crankcase, an oil filler tube leading to said crankcase and a carburetor; a vaporizing vessel located contiguous the exhaust manifold to be heated by the latter for refining oil, a supply control tank, means to provide a communication between said tank and vessel whereby oil may be fed by gravity from the tank to the vessel and said tank being so located relative to the vessel that the liquid levels in both will be in the same horizontal planes, means in the supply control tank to regulate the liquid level, means to supply oil from the crankcase to the supply control tank, an oil intercepting ring in the vessel, and means to deliver refined oil from the intercepting ring to the oil filler tube for return to the crankcase.

2,483,938
CRIB WARDROBE
Chet A. Royston, Hamlet, N. C.
Application October 23, 1947, Serial No. 781,529
3 Claims. (Cl. 5—93)



3. A combination crib-wardrobe comprising a frame with storage compartments, means for supporting said frame in spaced relation to a floor on which the device is positioned, said means comprising crib ends each including corner posts spaced to snugly receive said frame therebetween, means for securing said frame to said posts, crib sides connecting said crib ends, and means slidably mounting one of said crib sides upon an opposed pair of corner posts for movement substantially within the lateral limits of said crib ends.

2,483,939
PILOT AND BURNER CONTROL
Albert C. Schickler, Cleveland, Ohio
Application February 27, 1946, Serial No. 650,688
5 Claims. (Cl. 158—117.1)



1. A thermal element for a safety pilot structure having a main burner, a normally seated valve for controlling flow of fuel to the burner, a pilot burner tube for providing a flame adjacent the main burner, and means for supplying fuel to the pilot burner tube, said thermal element comprising a strip of monometallic flat material, forming a lever arm portion and two substantially parallel spaced actuating strips lying in planes at substantially right angles to the lever arm portion and integral therewith and adapted to swing the arm to act on said valve when subjected to a difference in temperature between the actuating strips, the joining portions between each actuating strip and the lever arm portion being formed of oppositely curved one quarter turns of helicoidal shape.

2,483,940
METHOD OF MAKING LEAD-IN SEALS
William J. Scott, Rugby, England, assignor to General Electric Company, a corporation of New York
Application December 3, 1946, Serial No. 713,672
In Great Britain March 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1963
4 Claims. (Cl. 49—81)

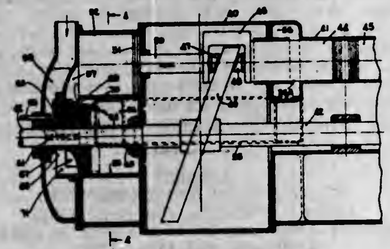
4. The method of sealing a concentric transmission line including inner and outer conductors

through the press of an envelope for an electrical discharge device comprising the steps of locating a glass bead on the inner conductor of the line, assembling the inner and outer line conductors and the glass stem on which the press is to be formed in a required relation such that the bead



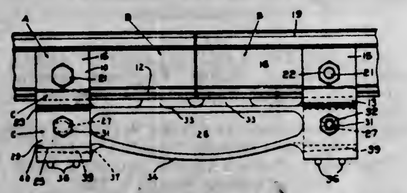
is located at the position of the press, applying heat to render plastic the bead and the portion of the stem at which the press is to be formed and then applying sufficient pressure to the heated portion of the stem to collapse that portion onto the outer conductor and to affect a seal including said bead between said inner and outer conductors.

2,483,941
BRAKING SYSTEM
Thomas L. Sherman, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application February 19, 1945, Serial No. 578,594
4 Claims. (Cl. 123—58)



1. An engine system comprising a shaft, a plurality of power cylinders, pistons in said power cylinders, operative driving connections between said pistons and said shaft, air compression cylinders, pistons in said air compression cylinders operably connected with said shaft, means for conducting heated air from each of said compression cylinders to each of said power cylinders, said heated compressed air serving to heat said power cylinders when not working under power valve means in said conducting means for controlling the admission of air to and the discharge of air from said air compression cylinders, and means for manually adjusting said valve means to restrict the dimensions of the discharge outlet from each of said air compression cylinders to impose a load upon said shaft.

2,483,942
RAIL JOINT
Wilhelmina Sjostrand, St. Paul, Minn.
Application October 24, 1946, Serial No. 705,450
4 Claims. (Cl. 238—169)



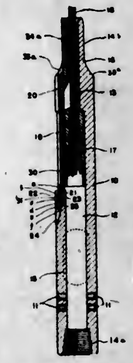
1. A rail joint including a pair of identical members, each having a rail embracing end attached to and spaced from a rail end including a base portion designed to extend beneath the rail and a pair of integral flanges designed to extend over the base of the rail on each side thereof, and against the web of the rail, clamping means extending through the opposed flanges and through the portion of the rail web therebetween to clamp said flanges against the rail, one such rail embracing end being positioned near the end of each of the rails being joined, an arm integral with the bottom portion of each of the rail embracing ends to extend longitudinally of the rail and beneath the level thereof and across the rail end, the free end of one arm being arranged adjacent the end of the other arm attached to the rail embracing end, and clamping means extending through the ends of the arms for holding the arms in side by side relation.

2,483,943
DRAIN COCK RECEPTACLE
Albert E. Slawik, St. Paul, Minn.
Application January 4, 1945, Serial No. 571,273
3 Claims. (Cl. 220—1)



1. A radiator drain cock receptacle comprising a hollow tubular body having a closed bottom, a spout extending laterally and upwardly from said body, said spout including a trough-shaped body relatively shallow throughout its length and having a closed outer end, a closure plate extending over said trough-shaped body, and an aperture in said closure plate spaced from the edges of said trough-shaped body and said closed end.

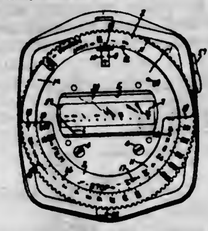
2,483,944
SWIVEL ROPE SOCKET
Ferdinand J. Spang, Butler, Pa.
Application March 6, 1946, Serial No. 652,256
1 Claim. (Cl. 24—123)



A rope socket device for wells which comprises, a barrel member having a cable-receiving upper part and a cable-socket-receiving main body part terminating in a lower part for attaching it to a tool or well string, said cable-receiving part having a threaded male-upper-end of smaller diameter than the remainder of said cable-receiving part which latter is of substantially the same diameter as said main body part and is connected to said main body part, said cable-receiving part having a bore extending longitudinally therealong from its upper end and extending laterally through a side wall portion of said cable-receiving part, said main body part having a longitudinally extending bore entrant to and of larger diameter than the bore of said cable-receiving part, an upper portion of the larger bore of said main body part extending laterally through the side wall of said main body part and from the corresponding lateral extension of the bore of said cable-receiving part and having a length at least equivalent to the length of a cable-socket to be introduced and removed therethrough, said main body part having a pair of stepped-ledge portions sloped outwardly from a lower end of the lateral extension of the larger bore of said main body part, a longitudinal guideway entrant from the upper end of and extending along the wall of said cable-receiving upper part which is adjacent to the lateral extension of the bore thereof, a second longitudinal guideway entrant from an upper face of a shoulder formed between the smaller diameter upper end and the remainder of said cable-receiving part and extending along the wall of the remainder of said cable-receiving part which is adjacent to the lateral extension of the bore of said part; a locking member having a length greater than the combined lengths of the said bore extensions of said body member, said locking member having an inwardly offset upper part of a length and width substantially corresponding to the length and width of the lateral extension of the bore of said cable-receiving part, said offset upper part of said locking member having guideway portions constructed and arranged to cooperatively engage and slide along the said first-mentioned longitudinal guideway of said cable-receiving upper part and to enter said guideway from the upper end of said part, said locking member having a lower part connected to its inwardly offset upper part and being outwardly offset with respect to said upper part thereof, said lower part of said locking member having guideway portions constructed and arranged to cooperatively engage and slide along said second-mentioned longitudinal guideway of said barrel member and to enter said guideway from the above-mentioned shoulder, said lower part of said locking member being of flexible construction and having an outwardly-inclined extending-end provided with a pair of latch portions that are constructed and arranged to securely engage said pair of stepped-ledge portions of said main body part for locking said latching member in position with respect to said barrel member.

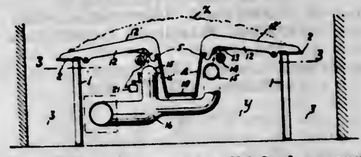
2,483,945
VEST POCKET EXPOSURE METER
Allen G. Stimson, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Original application October 19, 1946, Serial No. 704,352. Divided and this application August 29, 1947, Serial No. 771,348
2 Claims. (Cl. 235—64.7)

2. An exposure calculator comprising an outer ring having light value and exposure time scales about different portions thereof, an inner ring having film speed and stop scales about different portions thereof, supporting structure having front and rear plates secured together with the rings between them, said structure supporting said rings in concentric rotary relation with the light value and film speed scales in adjacent correlating relation and the exposure time and stop scales in adjacent correlating relation, the front plate of said supporting structure having scale masking portions so as to expose only one selected film speed adjacent a selected useful portion of



the light value scale corresponding to the brightness range which can be usefully recorded by photography with ordinary photographic film of the selected film speed, and means on said masking plate for designating only that part of said selected useful portion of the light value scale which should be used with color film of the selected film speed.

2,483,946
UNDERGRATE AIR ADMISSION MEANS FOR LATERAL FEED SOLID FUEL STOKERS
Rush D. Touton, Wynnewood, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1944, Serial No. 528,657
5 Claims. (Cl. 110—75)

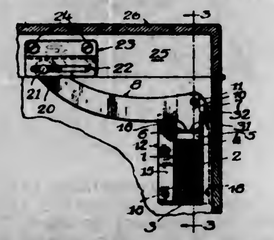


1. A furnace for burning solid fuel, comprising a front wall, a rear wall, and side walls forming a combustion chamber, a bridge wall extending across said combustion chamber between the front and rear walls, there being an air chamber between the furnace side walls having side walls extending from the front wall of the furnace to the bridge wall, a fuel feed hopper between the side walls of the air chamber extending from the front wall of the furnace to the bridge wall forming a portion of the top of the air chamber, grate bars extending laterally from the fuel hopper to the side walls of the air chamber, forming the remainder of the top of the air chamber, means for feeding fuel upwardly out of the hopper and onto the grate bars from the hopper, an air conduit extending longitudinally of the air chamber at each side of the fuel hopper spaced below the grate bars, there being air delivery openings in the upper faces of the conduits for delivering jets of air to the grate bars along the sides of the feed hopper and into the fuel as fed from the hopper, and means for delivering air under pressure to said conduits.

2,483,947
COVER LIFT HINGE
Alonzo Robert Turner, Oregon, Wis.
Application October 18, 1947, Serial No. 780,694
4 Claims. (Cl. 217—60)

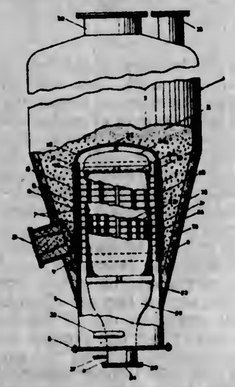
1. A cover lift hinge for retaining the lid of a cabinet in open or closed position, comprising a

housing adapted to be mounted within the cabinet and in a corner thereof below the lid, a vertically disposed coil spring in said housing having its lower end seating on the base of the housing and its upper end free to move vertically, a saddle member seating upon the free end of the spring and movable longitudinally in the housing, a cam arm pivotally mounted adjacent one end in the upper end of the housing and thereat having a cam face seating upon and having ro-



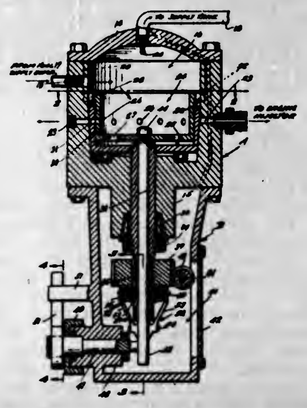
tative contact with said member said cam face having spaced rises one of which compresses the coil spring and retains the lid in open position and the other compresses the coil spring and retains the lid in closed position, a bracket mounted on the interior of the lid at one end thereof and provided with an elongated slot, and a pin on the other end of the cam arm loosely carried in the slot and connecting the cover lift hinge to the lid.

2,483,948
TREATING TOWER CONTAINING SOLID CONTACT MATERIAL
Thomas M. Underwood, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 4, 1946, Serial No. 651,964
4 Claims. (Cl. 23—288)



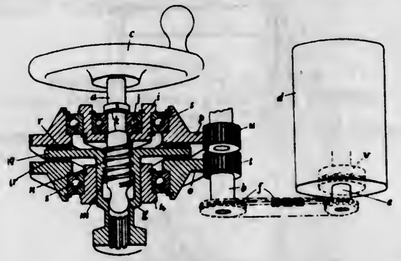
1. A treating tower comprising a substantially vertically disposed, elongated, closed outer vessel; a conduit in the top closure of said vessel; a first inner vessel extending a spaced distance upwardly into the bottom end of said outer vessel and being sealed therein in such manner as to be spaced from the walls of said outer vessel, said first inner vessel being closed at its upper end, being coarsely perforate in that portion of its side walls within said outer vessel and closed at its lower end by a removable closure; and a second inner vessel extending upwardly through said removable closure member a spaced distance into said first inner vessel and being sealed by a fluid tight seal in said removable bottom closure so as to be spaced from the walls of said first inner vessel, said second inner vessel being closed at its upper end, being finely perforate in at least a portion of its side walls within said first inner vessel, and having an opening in its lower end.

2,483,949
PERIODIC ROTARY METERING AND DISTRIBUTING VALVE
Robert W. Washington, Blue Island, Ill.
Application October 6, 1943, Serial No. 505,255
8 Claims. (Cl. 137—146)



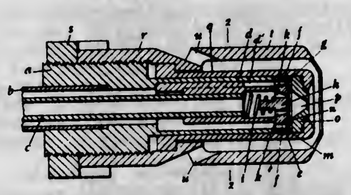
1. In a periodic valve in which delivered fuel is adjustably throttled, metered and distributed, a relatively fixed valve body open at its top and provided at its bottom with a bearing-equipped shaft guide, a closure for the open top of said body, said body being provided with a fuel inlet port and fuel discharge ports, a gear and mechanism housing connected to the bottom of the body and enclosing said shaft guide, said gear housing being provided at its bottom with a bearing, a rocker shaft mounted for oscillation in said bearing and having its inner end projecting into said housing, a cup-like fuel distributor device confined in said chamber and having its outstanding marginal wall provided with apertures intermittently registerable with the discharge ports in said body, a sleeve connected to the central bottom of said distributor and extending down through and beyond said shaft guide, a gear slidably splined on the projecting lower end portion of said sleeve and located in said gear housing, a worm shaft mounted for continuous rotation in the bearing in said housing and including a worm in mesh with said gear, said distributor device being mounted for continuous rotation in said chamber, a second cup-like throttling element mounted telescopically within the distributor device and having its bottom provided with vents, and its marginal wall provided with circumferentially spaced apertures registerable with the apertures inside the distributor, said cylindrical cup-like element last named constituting a throttle control, a shaft connected therewith and extending for reciprocation down through and beyond the lower end of said sleeve, the protruding lower end being provided with a rack, a gear segment on the afore-mentioned rocker shaft engageable with said rack, and a yoke swivelly connected with said gear, said yoke being operatively and adjustably connected with said gear segment.

2,483,950
POWER TRANSMISSION MECHANISM
Ernest Ansley Watson and Frederick Talbot Shaw, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England
Application December 11, 1944, Serial No. 567,610
In Great Britain June 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 30, 1963
3 Claims. (Cl. 74—625)



1. Power transmission mechanism comprising the combination of a manually operable input-shaft, a second input-shaft, an output-shaft having a helical connection with the manually operable input-shaft, means whereby the manually operable input shaft and the output-shaft are rotatably supported so as to permit relative endwise movement thereof, and a friction clutch having at least two rotatable and frictionally interengageable members one of which is provided on and movable towards and away from the other member by endwise movement of one of the said shafts, the said other member being drivingly connected with said second input shaft, said members serving by engagement with each other to enable rotary motion to be imparted to the output-shaft either from the input-shaft or through the clutch as required.

2,483,951
LIQUID FUEL NOZZLE
Ernest Ansley Watson, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application February 6, 1946, Serial No. 645,743
In Great Britain December 13, 1944
1 Claim. (Cl. 299—115)



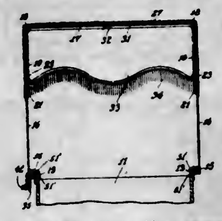
A liquid fuel nozzle comprising the combination of a body having a pair of liquid fuel passages, a disc situated at one end of said passages and formed with holes and a central bore through which fuel can flow from said passages, a swirl plug situated in said bore, an annular swirl plate having one face in contact with the outer face of said disc and having tangential slots in communication with the holes in said disc, a nipple in contact with the outer face of said swirl plate and having a swirl chamber formed therein, and means securing the parts of the nozzle together.

2,483,952
PROTECTING STRIP FOR TROUSER CUFFS
Walter G. Wayworth, Hartford, Conn.
Application February 25, 1948, Serial No. 10,899
2 Claims. (Cl. 2—232)



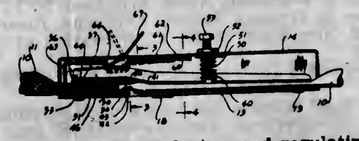
1. A protecting strip for trouser cuffs comprising a tape of flexible material having a coating of adhesive upon the opposite sides thereof, and a pair of spaced pads of felt material of substantially the same size and contours as the tape and spaced at the center of said tape to permit flexing of the tape in said position.

2,483,953
ADJUSTABLE MOUNTING FOR BABY CARRIAGE TOPS
Samuel Weiner and Sidney Goldblatt, New York, N. Y.
Application December 15, 1947, Serial No. 791,862
2 Claims. (Cl. 296—110)



1. Means for adjusting the canopy of a baby carriage, comprising uprights, an adjustable plate formed with apertures therein and being turnably secured to one of said uprights, two clamping members connecting the uprights to said baby carriage, one of said clamping members being turnably mounted upon one of said uprights, the other clamping member being fixedly secured to the adjustable plate, each of said clamping members comprising a main body formed with double, substantially rectangular bends, one of said bends terminate in a short end portion, a projection formed upon the latter, a supplemental body having a hole therein adapted to receive said projection, whereby to secure said body parts loosely but inseparably together, a screw bolt having near its head a square-shaped shank portion and being mounted in the supplemental body, the main body having an enlarged slot adapted to receive loosely therein the free end of said screw bolt, and a wing-nut mounted upon the end of the latter, whereby to tighten the body parts together.

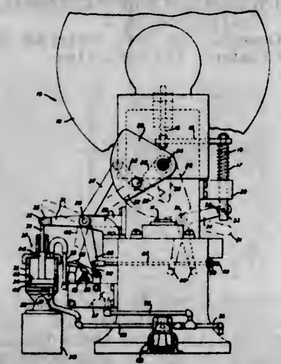
2,483,954
PRESSURE REDUCING VALVE
Gerhart Weiss, Sunnyside, N. Y.
Application March 25, 1947, Serial No. 737,071
8 Claims. (Cl. 50—26)



1. In a valve for reducing and regulating the pressure of a fluid to be delivered to a fluid operated device, the structure comprising a flexible tube having a high pressure side to which fluid under relatively high pressure is adapted to be

fed and a low pressure side which is connectable to a fluid operated device, a movable stiff member associated with a considerable length of the low pressure side of the tube so that increase in pressure on the low pressure side causes the stiff member to be moved by expansion of the tube, means for regulating the supply of fluid located between the low pressure side and the high pressure side of the tube, and means associated with the movable member to operate the fluid regulating means.

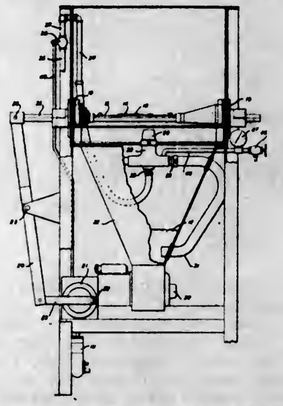
2,483,955
FLUID OPERATED GUARD AND CLUTCH CONTROL
Alfred A. Williams, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1946, Serial No. 697,861
5 Claims. (Cl. 192—134)



1. A control mechanism for a machine having a material working tool mounted for movement through an operating cycle into and out of a working position, clutch controlled power means to move the tool through the operating cycle, a guard supported by the machine and movable to shield the working area of the machine, the control mechanism comprising a motor operable by fluid under pressure, a main mechanism connecting the motor and the guard to cause actuation of the guard upon operation of the motor, an additional mechanism linked with the main mechanism and actuated thereby to operate the clutch for one cycle of operation of the machine when the guard nears its shielding position, means to cause operation of the motor by fluid under pressure to apply a low force to the main mechanism during actuation of the guard toward its shielding position, and additional means actuable to cause the motor to apply a higher force to the mechanisms during actuation of the clutch.

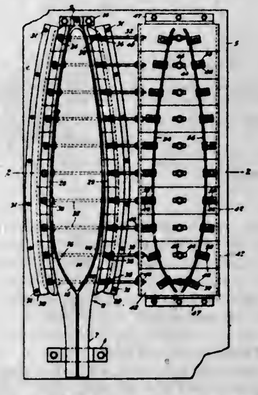
2,483,956
SAND BLASTING MACHINE
William J. Workman, North Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1947, Serial No. 753,408
1 Claim. (Cl. 51—8)

In a sand blasting machine a unit including a nozzle, to direct an abrasive material such as sand in a given path, a vacuum chamber, an air inlet to the vacuum chamber, an abrasive inlet to the vacuum chamber spaced from the air inlet and an auxiliary air inlet to the vacuum chamber between the air inlet and the abrasive inlet, a hopper for a supply of the abrasive material, a conduit for the abrasive material connecting the hopper to the abrasive inlet of the unit, a supply line for air under pressure, an air line connecting the supply line to the air inlet of the unit, a normally closed valve interposed between the supply line and the air line actuable to open communication between the lines whereby the air under pressure travelling through the unit and out of the nozzle will create a vacuum



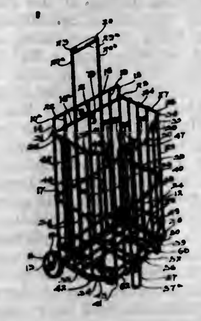
in the vacuum chamber to draw the abrasive material through the conduit from the hopper where it will be forced through the nozzle by the air under pressure, the quantity of abrasive material being withdrawn from the hopper depending upon the vacuum in the vacuum chamber, an auxiliary air line connected to the auxiliary air inlet, and a valve in the auxiliary air line actuable to admit varied quantities of air at atmospheric pressure into the vacuum chamber between the air and abrasive inlets to vary the vacuum in the chamber to vary the amount of abrasive material drawn into the unit.

2,483,957
WELDING GUIDE
Ben W. Wright, Boonton, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application January 30, 1947, Serial No. 725,391
8 Claims. (Cl. 113—59)



4. A fixture for an elongated article to be welded wherein the article may move laterally during a longitudinal welding pass under the influence of thermal expansion and contraction, including means to hold said article, a plurality of guide members engaging the article at different parts therealong adjacent the weld path and movable laterally with respective parts during a welding pass, a welding head movable relative to the article along a weld path, and means to adjust said head laterally in its movement along said path in accordance with movements of said guide members.

2,483,958
FOLDING SHOPPING CART
Walter Yassay, Bronx, and Irving Barkan, Brooklyn, N. Y.
Application November 10, 1947, Serial No. 784,978
4 Claims. (Cl. 280—36)



1. A collapsible wheeled package carrier, comprising a wheeled axle, a U-shaped back frame having side bars secured to the axle, a U-shaped handle frame secured to said back frame and extending above the same to provide a handle, a U-shaped frame having horizontal top and bottom bars provided with terminal hinge eyes secured thereby to the side bars of the back frame, a central frame, and a U-shaped frame hinged to each side of the central frame and having top and bottom bars provided with terminal hinge eyes connected thereby to the sides of the third-named U-shaped frames.

2,483,959
VINYL CHLORIDE POLYMER COMPOSITIONS CONTAINING MALEIC - VINYL ACETATE HETEROPOLYMERS AND COMPOUNDS OF LEAD, CALCIUM, OR BARIUM
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 26, 1948, Serial No. 11,339
16 Claims. (Cl. 260—45.75)

1. A process for improving the stability of polymers from the group consisting of polyvinyl chloride and copolymers of vinyl chloride and water-insoluble ethylenically unsaturated compounds copolymerizable therewith, said polymers having been formed by polymerization in aqueous suspension in the presence of a maleic-vinyl acetate copolymer which comprises heating an aqueous slurry of said polymer and a compound from the group consisting of salts, hydroxides and oxides of lead, barium and calcium, the amount of metal in said compound being at least stoichiometrically equivalent to the amount of heteropolymer present.

2,483,960
POLYMERIZATION OF VINYL HALIDES IN AN AQUEOUS DISPERSION
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 26, 1948, Serial No. 11,340
19 Claims. (Cl. 260—45.75)

1. A process for preparing granular polymeric products which comprises polymerizing in an aqueous dispersion a polymerizable material containing a vinyl halide from the group consisting of vinyl chloride and vinyl bromide, said dispersion also containing a water-insoluble reaction product of a basic compound of a metal from the group consisting of lead, barium and calcium and a maleic-vinyl acetate heteropolymer.

2,483,961
SELF-LAYING TRACK
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application January 6, 1945, Serial No. 571,638
16 Claims. (Cl. 305—10)

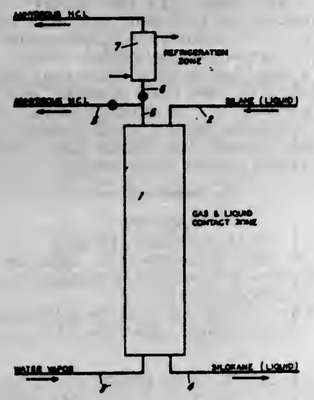


13. A shoe adapted to be pivotally connected to similar shoes in a self-laying endless track, said shoe comprising a pair of laterally spaced parallel chain links each having a body portion and a projecting tongue portion and having its body portion provided with an end slot to receive a tongue portion of another link, said slotted body portion and said tongue portion having transverse pintle-receiving openings, and a tread plate connecting the body portions of said links and having its outer surface substantially in the plane of the outer surfaces of the links, said plate having an inner plane surface and being considerably thinner than the body portions of the links whereby a channel is formed between them, said projecting tongue portions having all portions thereof outside the lines, extended, of the lateral sides of said inner plane surface, whereby an unobstructed channel of substantial width may extend from said shoe to an adjacent shoe.

2,483,962
STABILIZED HEAT POLYMERIZABLE COMPOSITIONS OF N-VINYL PYRROLE COMPOUNDS
Carl E. Barnes, Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1945, Serial No. 576,156
3 Claims. (Cl. 260—315)

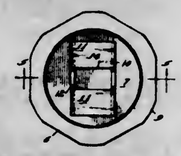
1. As a heat polymerizable N-vinyl pyrrole composition which is stabilized to polymerization in the molten state at temperatures slightly above its melting point but which may readily be polymerized by heat at temperatures above 100° C., a heat polymerizable monomeric N-vinyl pyrrole compound having a melting point below 100° C. containing an effective amount, up to 5 percent, of stearyl alcohol to stabilize said N-vinyl pyrrole compound at temperatures slightly above its melting point.

2,483,963
PRODUCTION OF ORGANOSILOXANES
Arthur J. Barry and Elwyn E. Merrill, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
Application November 24, 1948, Serial No. 61,788
6 Claims. (Cl. 260—448.2)



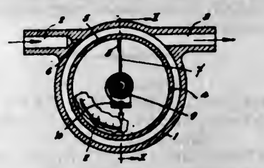
1. The process of preparing organosiloxanes from organochlorosilanes of the type R_nSiCl_{4-n} where R is an alkyl or a monocyclic aryl radical and n has a value of at least 1.7, which comprises introducing said silane in liquid phase at the upper end of a gas and liquid contact zone, and introducing water vapor at the lower end of said zone, introducing the silane in sufficiently large proportion relative to the water vapor that the hydrogen chloride which issues from the upper end of said zone is anhydrous, and introducing the water vapor in sufficiently large proportion relative to the silane to react with and effect hydrolysis of said silane with condensation of hydrolysis product thereof to siloxane.

2,483,964
SHEET METAL SCREW CLOSURE
Stevens A. Bennett, Chicago, Ill.
Application May 27, 1946, Serial No. 672,528
1 Claim. (Cl. 220—39)



A plug for barrels or the like, comprising an annular metallic cup shaped body threaded on its exterior side walls, a channel shaped insert open at both ends formed of metal disposed in inverted position within said cup and with its leg ends anchored securely to the bottom of said cup, the length of said legs being such as to dispose the entire web portion of said insert and the upper portions of said legs beyond the open end of said body, said web and the upper portions of said legs being provided with a transverse channel, and said insert being of such length and breadth as to be spaced at its sides and ends from the side walls of said body.

2,483,965
INDICATOR OF FLUID FLOW
André Chaumerliac, Asnieres, France, assignor to Ernest Gauthier, Malakoff (Seine), France
Application March 30, 1945, Serial No. 585,785
In France December 31, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1961
7 Claims. (Cl. 73—228)



1. In an indicating device of the character described, a casing having a cylindrical chamber provided with a fluid inlet opening and a fluid outlet opening, a bottom, and a flat transparent cover forming the top wall of said chamber, a cylindrical wall arranged concentrically within said chamber and spaced from the inner wall thereof, said cylindrical wall being secured with its lower end to the bottom of said casing and terminating with its upper end slightly below said flat transparent cover to permit escape of fluid from within said cylinder to said chamber, said cylindrical wall being provided with a fluid inlet port therethrough having a very oblique direction with respect to the circumference of said cylindrical wall, said fluid inlet port being positioned adjacent the point where the fluid enters the cylindrical chamber through said inlet opening, and rotatable indicating means arranged in the space enclosed by said cylindrical wall and actuated by the fluid entering said space through the obliquely directed inlet port in said cylindrical wall.

2,483,966
NITROCELLULOSE SUBBING COMPOSITION FOR POLYVINYL RESIN FILM SUPPORTS
Russell P. Easton, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 29, 1948, Serial No. 51,866
4 Claims. (Cl. 106—181)

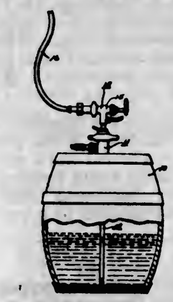
1. A nitrocellulose subbing composition suitable for the subbing of a photographic film support prepared from a polymer selected from the class consisting of polyvinyl chloride, polyvinyl bromide, polyvinyl acetate, poly(vinyl chloride-vinyl acetate) and mixtures thereof which consist of a solution of:

	Parts by weight
Cellulose nitrate (11% nitrogen)	5.0– 7.0
Acetone	40.0–50.0
Methyl ethyl ketone	9.0–10.0
Methanol	25.0–35.0
Dioctyl phthalate	2.5– 4.2
Ethanol	0.0– 3.5

2,483,967
TAPPING TUBE AND LIQUID LEVEL INDICATOR
Theodore R. Eberwine, Cleveland Heights, Ohio
Application April 22, 1947, Serial No. 743,139
1 Claim. (Cl. 73—304)

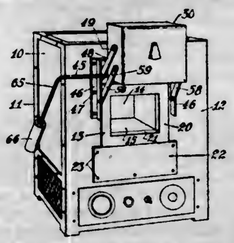
In combination with a tap for a container, said tap having an opening extending therethrough, the improvement of a combined tapping tube and liquid level indicating means, said tapping tube

comprising a head having a valve, a hollow adapter body of insulating material connected to said head, and a conduit extending through said adapter body and connected to said head, said conduit and head providing a liquid passage through which liquid may flow from the container, a plurality of spaced electrical contacts longitudinally mounted along said conduit, insulating means for insulating the contacts from each other and from the conduit, said conduit, said electrical contacts and said insulating means being adapted to fit through said opening of the



tap and extending into said container, electrical indicating means external of said tapping tube and said container for indicating the liquid level in the container, and electrical circuit means extending through said hollow adapter for interconnecting the conduit, the electrical contacts and the electrical indicating means, said conduit constituting a common for one side of said electrical circuit and said contacts being respectively connected to the other side of said electrical circuit, said conduit and said contacts being electrically bridgeable by the liquid in the container.

2,483,968
FURNACE DOOR AND CLOSURE OPERATOR THEREFOR
Oscar F. Ecklund, Broadview, Ill., assignor to Thermo Electric Manufacturing Company, Dubuque, Iowa, a corporation of Illinois
Application May 11, 1945, Serial No. 593,216
2 Claims. (Cl. 110—176)



1. In a furnace including a substantially vertical wall having an access opening therein, a door for closing the same and door operating means comprising parallel elongated vertically disposed brackets secured to opposite sides of the opening and projecting outwardly from the plane of the wall, a combined actuating shaft, door operator and counterweight supporting arm including a rock shaft portion, and an outer operating portion disposed at substantial right angles thereto and having a counterweight secured thereon, said brackets having horizontally aligned apertures therein above the door for journalling said rock shaft portion of the arm, spaced actuating links fixedly secured to the rock shaft between the brackets and projecting radially outwardly therefrom in an extension of a plane including the outer operating portion of the arm and the counterweight and on the opposite side of the actuating shaft from said counterweight and pivotally connected to the side edges of the door, guide links respectively pivotally secured at one end to the said brackets in spaced vertical alignment with the rock shaft and at the other end of the side faces of the door in spaced vertical alignment with the pivotal connection of said actuating links, the said links constituting a parallelogram linkage so that when the door is in its open position the links are in substantial parallelism with one another and inclined upwardly and outwardly with respect to the plane of the wall of the furnace and the counterweight and operating portion of the arm is inclined downwardly and to the rear of the plane of the wall with the counterweighted portion disposed adjacent the side of the furnace and beneath the axis of the rock shaft, and when the door is in its closed position the said links are in substantial parallelism with one another and extend at an inclination downwardly and outwardly with respect to the plane of the wall with the counterweighted portion of the arm being inclined upwardly and outwardly of the axis of the rock shaft so that the counterweighted portion effectively maintains the door in both its open and closed positions.

2,483,969
ACYL POLYALKYLENE-POLYAMINE BIGUANIDES
Ferdinand J. Gajewski, Linden, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 2, 1947, Serial No. 758,718
10 Claims. (Cl. 260—404.5)

1. Acyl polyalkylene-polyamine biguanides of the general formula:

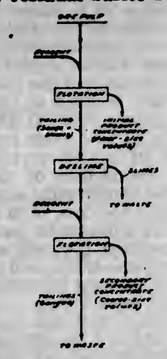
$$R-\overset{O}{\overset{\|}{C}}-NH\{CHR'-CHR''-NH\}_x-CNH-NH-CNH-NH_2$$

wherein R is the residue of a fatty acid, R′ and R″ stand for a member of the group consisting of hydrogen and methyl, x stands for an integer greater than 1.

2,483,970
FLOTATION OF BARITE ORES
Elmer William Gieseke, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 22, 1945, Serial No. 612,023
4 Claims. (Cl. 209—166)

1. In beneficiating those barite ores which on treatment produce sufficient slimes to adversely effect froth flotation of the barite, the improvement which comprises: forming an aqueous pulp of the ore; subjecting the pulp to froth flotation in the presence of a promoter selected from the group consisting of the higher fatty acids, talloel, their sodium, potassium, and ammonium soaps and mixtures thereof, said promoter being present in amount sufficient to selectively float barite fines but insufficient to float appreciable amounts of gangue slimes; removing the resultant initial froth concentrate of barite fines low in gangue slimes content; hydraulically desliming the residual tailing; subjecting the deslimed tailing to

froth flotation in the presence of an additional amount of promoter sufficient to float the major portion of the residual barite but insufficient to



float appreciable amounts of gangue minerals; and collecting the resultant additional froth concentrate of barite particles low in gangue content.

2,483,971

ANTISTAIN BATHS FOR SENSITIVE COLOR PHOTOGRAPHIC MATERIAL

Harold C. Harsh and James E. Bates, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 18, 1947, Serial No. 786,868
1 Claim. (Cl. 95—88)

In a process of producing color photographic images selected from the class consisting of indophenol and azomethine dyes in a color film having a plurality of silver halide emulsion layers by exposing the film, color developing the same, bleaching, fixing and washing, the improvement which comprises avoiding the formation of stain, after the bleaching, fixing, and washing operations, by rinsing the film with an aqueous solution consisting of water and boric acid in a concentration ranging from 0.01% to 1%.

2,483,972

POLYSILMETHYLENE AND ITS PRODUCTION

John T. Goodwin, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application April 20, 1948, Serial No. 22,255
In Great Britain July 1, 1947
4 Claims. (Cl. 260—448.2)

1. The method which comprises reacting a compound of the type XCH_2SiR_2Y in which X represents a halogen and Y represents a substituent of the group consisting of alkoxyl and halogen with an alkali metal whereby to produce polymers containing polymer units of the type (CH_2SiR_2) in which R represents a radical of the group consisting of phenyl and alkyl.

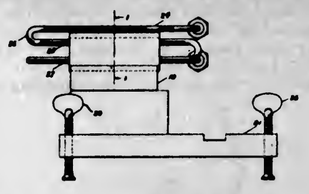
2,483,973

APPARATUS FOR WELDING THE SEAMS OF TUBULAR ARTICLES

Walter J. Goettings, Greenfield, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application September 7, 1945, Serial No. 614,872
5 Claims. (Cl. 219—13)

1. In an inductor heating coil, a double loop portion arranged to have three parallel vertically aligned leg portions, the two uppermost leg portions of said coil being spaced closer together than the two lower leg portions, the upper leg portions being spaced apart to permit a cylindrical metal work piece to be inserted therebetween, the lower leg portion of said coil being arranged



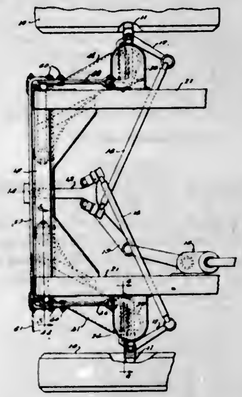
so that it is contiguous the opposite inner curved portion of said cylindrical work piece, whereby flux lines in said cylindrical work piece are counteracted enabling more rapid heating in the area between said upper legs, and leads connecting the ends of the coil portion to a current source.

2,483,974

WHEEL SUSPENSION FOR MOTOR VEHICLES

Harold A. Hicks and Clifford C. Jackson, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 8, 1945, Serial No. 621,036
2 Claims. (Cl. 280—124)



1. In a vehicle, a pair of oppositely disposed road wheels and a vehicle part supported by said wheels, supporting and guiding means for each of said wheels accommodating independent rising and falling movements thereof, a weight supporting spring between said vehicle part and each of said means, each of said means including upper and lower disposed arms each connected to said vehicle part for oscillatory movement relative thereto to accommodate rising and falling movements of the associated wheel, said upper arms having a common axis for oscillatory movement relative to said vehicle part, and stabilizing means operable to oppose relative wheel movement including a bar having a torsionally active main body thereof disposed generally parallel to and immediately adjacent said common axis and an arm angled from each end thereof extending longitudinally of the vehicle therefrom beyond said common axis, each arm having a first portion parallel to and fixed at spaced locations to a

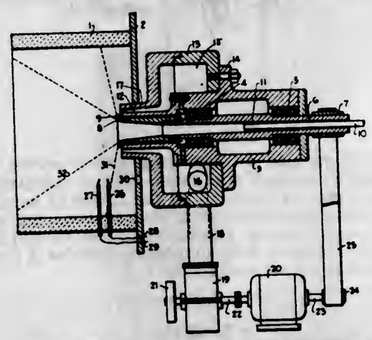
respective upper arm for support thereby and movement therewith and a second portion intermediate said first portion and said main body free to deflect relative to its first portion and to said vehicle part incident to relative oscillation of said upper arms.

2,483,975

ROTATING ATOMIZING CUP BURNER AND METHOD OF IGNITING AND BURNING FUEL THEREIN

Adriaan M. I. Hoogendam, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 14, 1947, Serial No. 760,900
In the Netherlands June 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 6, 1964
5 Claims. (Cl. 158—77)



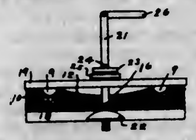
3. A method of burning liquid fuel in a liquid fuel burner having a rotatable atomizing cup and an ignition element having electrodes disposed forwardly and laterally of said cup, which comprises the steps of rotating said cup, supplying liquid fuel to the interior of the rotating cup, simultaneously flowing a limited amount of atomizing air forwardly about said cup as an enveloping forwardly moving stream, discharging the fuel from the rotating cup into said enveloping stream and laterally in the line of said electrodes thereby forming an atomized fuel-air mixture diverging forwardly as a cone passing between the electrodes of the ignition element, said cone having a cone angle dependent upon the forward velocity of the air, igniting said mixture by passing a spark between said electrodes, and thereafter increasing the rate of flow of atomizing air to reduce the cone angle and cause the resulting ignited fuel-air mixture to flow substantially forward of and out of line of said electrodes during normal burning.

2,483,976

METHOD FOR STRAIGHTENING BOWLING ALLEYS

Charles O. Hughes, Baltimore, Md.

Application August 30, 1946, Serial No. 694,124
3 Claims. (Cl. 273—51)



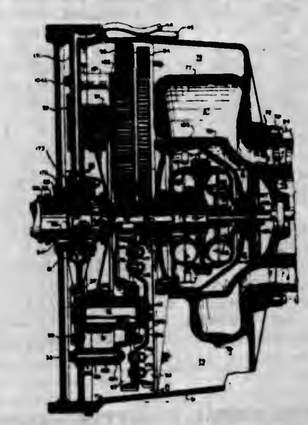
1. A method for the repair of a gulleyed alley of a bowling structure having the boards of its flooring positioned on spaced levelling strips transversely arranged thereunder to support it in a predetermined plane and having its upper surface level, including the removal of structure at the sides of the flooring to attain access to the said strips and the underside of said boards, shaping gulley members to conform on one side to the worn side of the bowling alley, then making a series of spaced holes along the approximate middle line of the alley, then placing clamp bolts through said holes with levelling knob members screwable thereon for engagement of a predetermined area on the underside of said flooring, then placing cross members over the face of the flooring so as to span across same transversely, then placing washer elements on the bolts restricted from moving beyond a predetermined point thereon and arranged to brace against said cross members until the screwing of the bolts will clamp the flooring between said cross members and the levelling knob members and bring its boards up to the level of the bottom surface of said cross-members to eliminate the gulley, and the underside of the boards made to conform with the gulley contour in reverse, then positioning said gulley members against the gulley contour formed on the underside of the flooring to support the boards when said gulley members are placed on the levelling strips, and then finishing off said upper surface of said boards until the surface is accurately aligned for use for bowling.

2,483,977

VARIABLE SPEED TRANSMISSION FOR AIRPLANE SUPERCHARGERS

Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

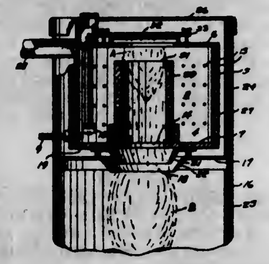
Application April 9, 1943, Serial No. 482,362
16 Claims. (Cl. 74—720)



1. A variable speed transmission comprising a housing including transmission gearing and a hydraulic coupling, said housing being formed with aligned openings at opposite ends thereof, a concentric axially extending wall formed within the casing around one of said openings, a hydraulic coupling casing mounted within said wall, said casing being formed with a driven shaft connection concentrically positioned in said one opening, said casing being further provided with means for supporting a pair of rotatable telescoping sleeves, said sleeves projecting from the casing at the opposite end thereof and toward the other opening

of the housing, pinions of different size mounted on said sleeves, the larger of the pinions being located adjacent the casing, a detachable end plate for the other opening of the housing, said plate being formed with an opening adapted to receive a drive shaft, gearing including countershaft gears mounted on said end plate and extending into the housing therefrom, said countershaft gears comprising gears meshing with said pinions, and adapted, upon assembly or disassembly, to move longitudinally thereof, and means for securing the end plate to the housing, whereby upon assembly or disassembly, the end plate and transmission gears may be removed as one unit, and the hydraulic coupling and pinions may be removed as another unit from the housing.

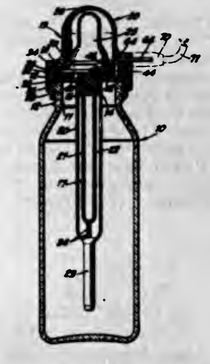
2,483,978
TRAY TYPE OIL BURNER
Harry C. Little, San Rafael, Calif.
Application May 12, 1944, Serial No. 535,321
4 Claims. (Cl. 158—91)



2. In an oil burner, a casing providing a substantially enclosed oil vaporizing and mixing chamber with a liquid oil receiving surface substantially at the bottom thereof, means on the casing providing a burner throat leading from the chamber, a tube providing a passage for burning oil vapor from the chamber to the throat extending into the chamber and substantially sealed from the chamber at said throat and having an end open to the chamber at a point relatively remote from said throat adjacent the top of the chamber, means at the sides of the chamber and opposite the sides of the tube and substantially below the top thereof for supplying air to the chamber over said surface, means for supplying air to said tube adjacent said end, the size and relationship of the tube, the chamber including said surface, and each of said means, being with respect to one another such that the vapor from the chamber passing to the tube will burn within substantially the entire length of the tube.

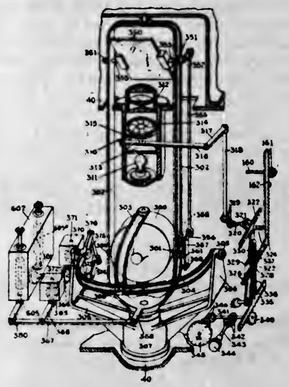
2,483,979
ELECTRIC NURSING BOTTLE WARMER
Lewis H. Morrill, Los Angeles, Calif.
Application April 7, 1947, Serial No. 739,823
1 Claim. (Cl. 219—44)

An electric heater for use with a wide-mouthed nursing bottle having a screw-threaded neck, said heater comprising a radially flanged base member adapted to be mounted on the mouth of the bottle, a resistance heating element projecting downwardly from the underside of said base member into the interior of the bottle, a nipple having a radial flange adapted to lie against the flange of said base member, a retainer ring adapted to be screwed onto the threads of the bottle neck and having a flange extending radially inward so as to overlie said nipple flange and thereby clamp the nipple and said base member to the bottle, a pair of spaced electrical contacts connected to said heating element and projecting upwardly from the top of said base member through holes in the flanges of said nipple and said retainer ring, a cap member adapted to be



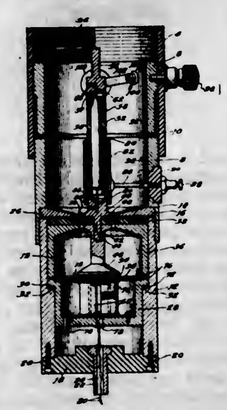
secured on said retainer ring and covering said nipple to protect the same against contamination, a pair of contacts on the inside of said cap member engageable with said first-named contacts, and a pair of prongs connected to said last-named contacts and adapted to receive a socket connector on an electric cord.

2,483,980
GYRO-CONTROL MECHANISM
William H. Newell, New York, James D. Tear, Great Neck, and Lawrence S. Brown, Long Island City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application May 5, 1944, Serial No. 534,330. Divided and this application June 2, 1945, Serial No. 597,294
4 Claims. (Cl. 74—5.4)



1. A gyro-control mechanism comprising a gyroscope, a train gimbal frame carrying said gyroscope for movement in train, an elevation gimbal connected to move in elevation with said gyroscope, a precession torque motor including a rotor, hydraulic means supplying pressure to exert a rotational force on said rotor, means including mechanical linkages connecting said rotor to turn in response to movement of said train gimbal frame, said mechanical linkages being adapted to transfer torque from said rotor to said frame to cause said gyroscope to precess in elevation, a second precession torque motor including a rotor, and means including mechanical linkages connecting said second rotor to turn in response to movement of said elevation gimbal, said second mechanical linkages being adapted to apply torque from said second rotor to said elevation gimbal to cause said gyroscope to precess in train.

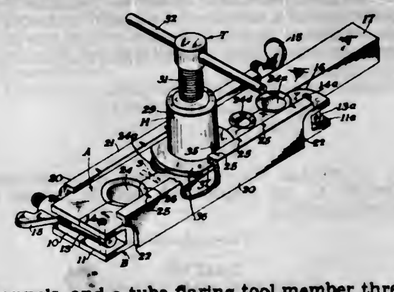
2,483,981
DYNAMIC CONDENSER
Harry Palevsky, Urbana, and Robert K. Swank, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application September 20, 1946, Serial No. 698,362
10 Claims. (Cl. 175—41.5)



1. In a dynamic condenser system for converting electrostatic charge to alternating voltage having a fixed conducting electrode, a mobile conducting electrode, and means coupled to the mobile electrode to vary the distance between said electrodes at a fixed frequency, the improvement comprising the combination therewith of a gas-tight housing, supporting means adapted to support said electrodes within said housing, and a gaseous filling within said housing, whereby the effect of changes in the frequency of said distance-varying means upon the amplitude of the distance variation is reduced.

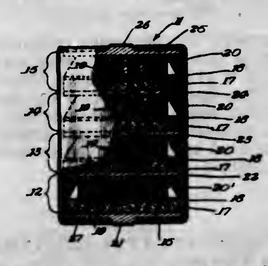
2,483,982
FLARING TOOL WITH MULTIPLE TUBE HOLDER AND TOOLHOLDER GUIDING MEANS
Joseph N. Paquin, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application October 7, 1947, Serial No. 778,428
6 Claims. (Cl. 153—79)

1. A tube flaring tool comprising a pair of elongated tube holders, said holders having a plurality of recesses that cooperate to form assorted tube gripping bores with flaring mouths when the holders are assembled together, said bores having a common centerline, a guide channel formed in each tube holder parallel to the centerline common to the recesses and including a flange projecting toward said centerline and overlying the face of its holder, a tool holder mounted for motion along said tube holders between said flanges and having flange means slidable in said



channels, and a tube flaring tool member threadedly mounted in said tool holder.

2,483,983
FLAT DRY CELL BATTERY
La Vern Edward Quinnell, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application October 11, 1946, Serial No. 702,809
3 Claims. (Cl. 136—111)

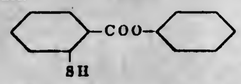


1. A battery comprising a stack of cells adjacently positioned, wherein each cell consists of a combined cathode and depolarizer of relatively thin flat shape; a dialysis membrane coextensive with and extending across the active face of the cathode-depolarizer; a combined electrolyte and anode wafer smaller in width and length than the cathode-depolarizer and in contact with the dialysis membrane in the central portion of its area; together with an imperforate metal barrier between each cell of the battery: said barrier having a flat surface coextensive with the electrolyte-anode wafer, and a continuous imperforate edge flange on the barrier extending angularly outwardly and downwardly from the flat portion of the barrier to the marginal edges of the dialysis layer and cathode-depolarizer providing a serrated external surface on the stack of cells; together with a casing having wall surfaces interlocking with the serrated external surfaces of the stack of cells to provide a rigid casing.

2,483,984
PHENYL THIOSALICYLATE AS A CATALYTIC PLASTICIZER FOR RUBBER
Scott Searles, Jr., Minneapolis, Minn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1946, Serial No. 694,164
6 Claims. (Cl. 260—30.8)

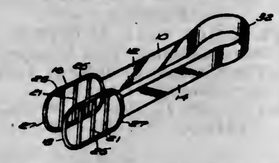
1. A method of increasing the plasticity of elastomeric compositions which comprises dis-

seminating in an elastoprene selected from the group consisting of natural rubber, butadiene and alkyl-substituted butadiene polymers and copolymers of a conjugated diolefin hydrocarbon with styrene and acrylonitrile, 0.05–5.0% by weight of the elastoprene of phenylthiosalicylate of the formula



and subjecting the mixture to a temperature above 90° C. for a sufficient time to induce the desired plasticity.

2,483,985
SQUEEZER FOR TEA BAGS
Albert F. Sonn, Cranston, R. I.
Application September 2, 1947, Serial No. 771,804
2 Claims. (Cl. 100—41)

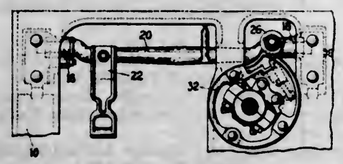


1. A squeezer for tea bags comprising spring tongs having flat arms, each arm having at one end thereof a griddle of oblong shape having a greater width than the width of the arms and including bars spaced from the ends and from each other, the opposite ends of the griddle and the adjacent spaced bars defining substantially semicircular openings.

2,483,986
ALIPHATIC POLYENE GUANAMINES
Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,155
2 Claims. (Cl. 260—249.5)

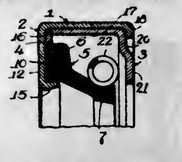
1. A method of preparing an unsubstituted aliphatic polyene guanamine which comprises dissolving a biguanide in a solvent therefor, adding thereto a lower alkyl ester of a polyolefinic aliphatic carboxylic acid, carrying the resultant reaction to substantial equilibrium, and isolating the resultant aliphatic polyene guanamine.

2,483,987
PICK MECHANISM FOR LOOMS
James M. Tuten, Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 6, 1947, Serial No. 726,921
10 Claims. (Cl. 139—147)



1. In a loom having a cam shaft, a pick shaft, and a pick ball on the pick shaft, in combination therewith, a pick cam on said cam shaft in cooperative engagement with said pick ball for actuating the pick shaft; said cam comprising a hub, a plural-piece rim, and means securing said rim to said hub, said plural-piece rim comprising two relatively adjustable cam-face forming parts having mutually interengaging surfaces forming a pivot lying in a plane perpendicular to the axis of the cam shaft, and said cam further comprising means locking said two parts together in adjusted position.

2,483,988
FLUID SEAL
John H. Victor, Wilmette, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application April 5, 1945, Serial No. 586,697
1 Claim. (Cl. 288—3)

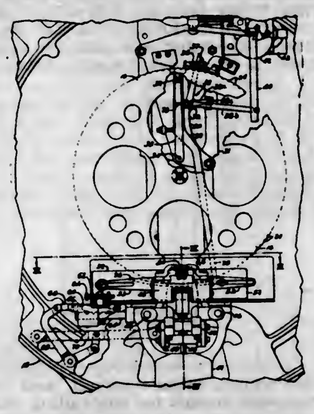


In an oil seal, a retaining shell having an outer cylindrical portion, an inner cylindrical portion and an annular portion connecting together said cylindrical portions; a metal washer having an annular recessed part and a flat part extending radially therefrom there being perforations in said recessed part rectangular in shape and spaced apart circumferentially of the washer distances approximately equal to the circumferential length of the perforations, projections standing out of the recessed part of said washer said projections being rectangular in shape and terminating in a portion disposed substantially normal to the plane of the recessed part of the washer, a sealing element encompassing the recessed part of said washer and bonded thereto and to said projections, said washer and sealing element being disposed in said shell against the annular and inner cylindrical portions thereof, said inner cylindrical portion being expanded into frusto-conical formation to dish said washer and thereby lock the same in the shell, the bond between the sealing element and washer being strong enough to prevent separation of the element and washer under the stress of said dishing, a telescoping ring engaging the outer cylindrical portion of said shell and the flat part of said washer, means for holding said ring in said shell, said means forcing said washer and the encompassing portion of said element tightly against the annular portion of said shell to form a fluidtight seal therebetween.

2,483,989
PRINTING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 23, 1946, Serial No. 656,761
6 Claims. (Cl. 265—5)

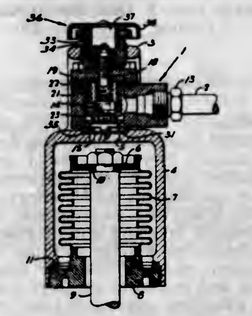
3. In a weighing scale having automatic load counter-balancing mechanism, manipulative increased capacity load counterbalancing mechnism and a printing-indicia-bearing member responsive to operation of said automatic load mechanism, in combination, a series of consecutive indicia on said indicia-bearing member corresponding to the values of portions of loads

counterbalanced by said automatic mechanism, a group of numerals each representing a value of a load counterbalanced by said



automatic mechanism, said numerals being so located as to be printed adjacent to such indicium and means operatively connected to said manipulative mechanism for selectively causing the printing of that one of said numerals corresponding to that portion of a load counterbalanced by said manipulative mechanism.

2,483,990
VALVE CONNECTOR DEVICE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 23, 1946, Serial No. 685,596
6 Claims. (Cl. 284—17)



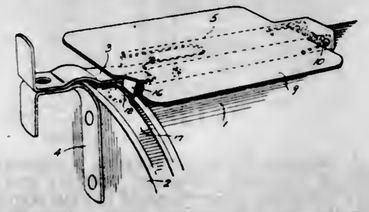
1. In a device of the class described, in combination, a connector body that may be attached to the end of a tube, means for securing the connector body to a fluid containing chamber with a hole in the bottom wall of the connector body in registry with an opening in the chamber, a solid valve member mounted in the connector body that in closed position substantially fills the hole in the wall of the body, and a removable valve operator that at least partially encloses the securing means to bar access to the securing means while the valve is open.

2,483,991
RADIATION EXPOSURE METER
Ernest O. Wollan and Louis A. Pardue, Oak Ridge, Tenn., and Norman Goldstein, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 3, 1945, Serial No. 580,785
20 Claims. (Cl. 250—83)



1. A radiation meter of the class described comprising a film holder, a film which is sensitive to X-ray and gamma radiation contained in said holder, and filter means arranged to filter the radiations reaching an area of said film, the absorption characteristics of said filter means and the energy response characteristics of said film being so correlated that the response of said film for equal exposures in roentgen units is substantially independent of the quantum energy of the radiation in the energy range which it is desired to meter.

2,483,992
SIGNAL ATTACHMENT FOR RURAL MAILBOXES
Raymond C. Young, Manitowoc, Wis.
Application June 24, 1948, Serial No. 35,002
2 Claims. (Cl. 232—35)

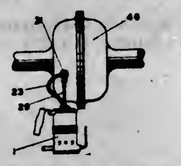


1. A mail box signal device arranged to cooperate with a mail box provided with a hinged front door and a strap member on its upper side, said signal device comprising a unitary structure including a supporting member arranged to be positioned on the upper side of said mail box and having permanently locked gripping means for gripping opposite marginal edges of said strap member, a signalling flag pivoted to said supporting member and biased for upward rocking motion, said signalling flag being located above said supporting member and constituting a shielding cover for said supporting member when in a lowered position, and restraining means coacting with said flag and door and temporarily restraining said flag in a lowered position when said door is closed and arranged to release said flag when said door is opened.

2,483,993
DEGREASING VAPORIZER
Rodger F. Becker, Kalamazoo, Mich.
Application July 17, 1947, Serial No. 761,723
2 Claims. (Cl. 34—104)

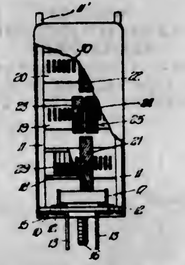
1. An apparatus for degreasing gears within a housing having a threaded opening, comprising: a body member having a reservoir therein and having a threaded opening in its top; a means

for heating the contents of said reservoir; a threaded cap within said opening for closing said reservoir; a threaded plug member having a central opening and adapted for entering the opening in said housing; a support member removably mounted to said housing by detachable en-



gagement with said plug member on its one end and detachably mounted on its other end to said body member; a flexible conduit leading from said reservoir to said housing and adapted for detachable frictional engagement in said opening of said plug member and providing fluid communication from said reservoir to said housing.

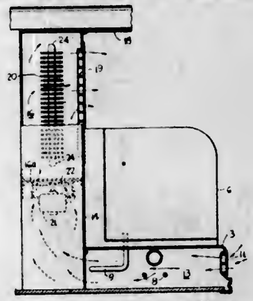
2,483,994
VARIABLE COUPLING DEVICE
Oliver D. Davis, Bourbon, Ind., assignor to The Joyner Corporation, Chicago, Ill., a corporation of Illinois
Application October 23, 1947, Serial No. 781,697
2 Claims. (Cl. 171—119)



1. A coupling device comprising a support including a shielding container, primary and secondary inductive coils, disposed in said container in parallel, laterally spaced relation on said support, tertiary coil elements in said container disposed in parallel, generally coplanar relation to and between said first named coils said tertiary coil elements being electrically connected respectively with said primary and secondary coils, individual cores disposed coaxially of and within said respective coils and coil elements, and means to adjust said cores individually relative to said respective coils and coil elements to vary the coupling coefficient of the device and to individually adjust the inductance of said coils and coil elements, said support having openings in one side thereof in alignment with said respective cores for access thereto to adjust the same.

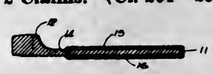
2,483,995
HEATING SYSTEM FOR MULTIPLE-ROOM VEHICLES
Walter B. Dean, Narberth, and Lewis F. Reynolds, Philadelphia, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1945, Serial No. 583,263
9 Claims. (Cl. 237—6)

9. In a transportation vehicle having a room provided with a door opening, a heating system for the room comprising an air duct extending along the floor of the vehicle in association with certain walls of the room, said duct having an air outlet into the room adjacent said floor and an air inlet from the room located at a level above said outlet, a heating unit, within said duct, fan means within said duct for effecting forced circulation of air through said duct in heat exchange relation with said heating means, an electric motor for said fan means, an electrically operatable normally-closed automatically-closable valve for said heating means, an electric circuit for said valve and motor, a nor-



mally open switch in said circuit, and temperature-responsive means for controlling the operation of said switch, said temperature responsive means being conjointly responsive to a predetermined low temperature condition of the air at said inlet and the air at said outlet to close said switch and to a predetermined high temperature condition of said inlet and outlet temperatures to open said switch, said temperature responsive means including manual means for varying the temperatures at which said temperature responsive means will respond.

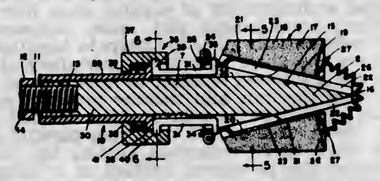
2,483,996
METHOD OF RECONDITIONING BACKING MEMBERS HAVING POWDERED MATERIAL FACINGS
Frank De Marinis, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application June 2, 1944, Serial No. 538,414
2 Claims. (Cl. 204—29)



2. A method of reconditioning backing members of ferrous material which are copper plated and have bonded thereto layers of defective sintered powdered metal mixtures having copper as their major constituent and comprising also essentially tin, lead, iron and carbon, which comprises chemically treating said members in a 10% to 20% solution of sodium cyanide without the use of electric current, thereby dissolving the copper only and reducing the layers to a residue of loosely attached material, then mechanically removing said residue, and electroplating with copper the members in the solution thus obtained.

2,483,997
HONING TOOL
Paul R. Gjertsen, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application April 24, 1947, Serial No. 743,544
15 Claims. (Cl. 51—184.3)

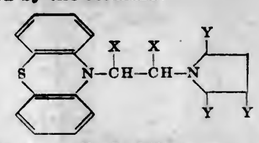
1. A honing tool comprising, in combination, an elongated rod having an internal screw element formed on one end portion and having on the other end portion an enlarged head formed on diametrically opposite sides with equally and oppositely inclined wedge surfaces tapering gradually and uniformly to a thin diametrical edge, each of said surfaces having a longitudinal medial upstanding rib of uniform width and height and being formed in the base end with a groove in alinement with the rib and extending in depth to the diameter of said rod, two honing devices slidably mounted for longitudinal adjustment respectively on said wedge surfaces, each honing device having an outer partially cylindrical active face and an inner flat face inclined to the axis of said active face at the angle of slope of the associated wedge surface and having a metal shoe secured as an insert in said flat face formed with a longitudinal medial groove slidably engaging the associated rib, a tension



spring extending across the tapered end edge of said head and connected at opposite ends to the outer ends of said shoes, a garter spring engaging over the innermost ends of said shoes, a nut element adjustably threaded on said screw element and having an external peripheral flange defining a stop shoulder, a sleeve slidable on said flange and formed with an internal peripheral groove outwardly thereof and with an internal annular flange disposed in opposed relation to said first mentioned flange, a plurality of longitudinal hooks removably engageable at opposite ends respectively in said groove and with the contiguous ends of said shoes, and a coiled compression spring interposed between said flanges about said screw element.

2,483,998
N-(PYRROLIDYLALKYL)-PHENOTHIAZINES
James H. Hunter and William Bradley Reid, Jr., Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 15, 1947, Serial No. 774,177
10 Claims. (Cl. 260—243)

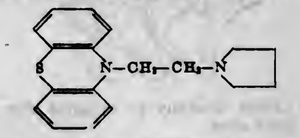
1. An N-(pyrrolidinoalkyl)-phenothiazine derivative of the group consisting of (*a*) compounds represented by the formula:



in which X is a radical of the group consisting of hydrogen and lower alkyl radicals and Y is a radical of the group consisting of hydrogen and methyl radicals, at least one of the said radicals X and Y being other than a hydrogen radical, and (*b*) acid addition salts and (*c*) quaternary ammonium salts of the said N-(pyrrolidinoalkyl)-phenothiazines.

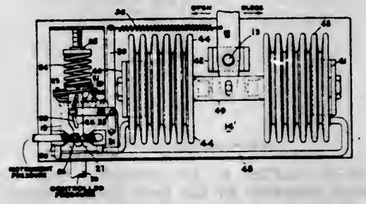
2,483,999
N-(BETA-PYRROLIDINOETHYL)-PHENOTHIAZINE
James H. Hunter and William Bradley Reid, Jr., Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 15, 1947, Serial No. 774,178
7 Claims. (Cl. 260—243)

1. An N - (beta - pyrrolidinoethyl) - phenothiazine derivative of the group consisting of (*a*) compounds represented by the formula:



and (*b*) acid addition salts and (*c*) quaternary ammonium salts of the said N-(pyrrolidinoethyl)-phenothiazine.

2,484,000
PROPORTIONAL CONTROL SYSTEM
William D. Macgeorge, Havertown, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1948, Serial No. 33,794
14 Claims. (Cl. 137—153)



1. A proportioning control for a valve, which comprises a valve-actuating lever, a pair of pressure displaced members coupled in mutual opposition to the lever, means responsive in positioning to a variable, a fluid pressure control system in operative association with the means and with the respective members, and means in the control system operative upon fluctuation of the variable to be controlled to expose the members to respectively different pressures so as to move the valve-actuating lever.

2,484,001
MOTOR FIELD FRAME AND METHOD OF FABRICATION
George G. Raymond, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1945, Serial No. 629,896
6 Claims. (Cl. 172—36)

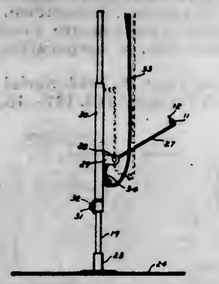
1. In a motor field frame, the combination of pole pieces and a yoke connecting said pole pieces adapted to carry field windings, said yoke and pole pieces comprising laminations, the number of laminations in the said pole pieces being a multiple of the number of laminations in the yoke, each lamination of said yoke being formed from a plurality of strips connecting opposite pole pieces, strips from adjacent laminations at the pole pieces being arranged in abutting relationship within each said lamination, said connecting

strips being so disposed that corner strips at said yoke connect to spaced ones of the laminations at



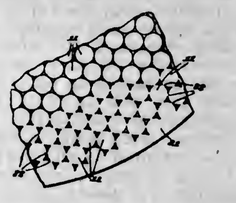
the pole pieces, thereby to equalize flux density over the pole area.

2,484,002
SKIRT MARKER
Harold A. Reich, New York, N. Y.
Application May 27, 1947, Serial No. 750,695
1 Claim. (Cl. 33—9)



A skirt marker of the portable type herein disclosed operable by the individual wearing the skirt to be marked and comprising a thin flat foot plate on which the individual may stand to hold the marker in definitely located position on the floor, a post positioned on the plate to go inside the edge of a skirt on a person standing on the plate to form a backing for the hanging skirt, a support vertically adjustable on said post to positions for determining different skirt lengths, a marking lever pivoted at its lower end on said support in position for its upper end to swing outwardly away from the outer side of the hanging skirt and whereby the skirt may be located between the post at the inside and the marking lever at the outside, said marking lever having an angularly related extension for limiting the swinging movement of the lever away from the post, skirt marking means on the upper and outward free swinging end of said marking lever and a flexible pull connection extending upward from said lever free and clear of said post for snapping the marking end of the lever inward into marking engagement with the outer surface of the skirt by direct upward pull on said connection by the individual standing on said foot plate, said angularly related extension of the marking lever projecting downwardly below the pivotal mounting of said lever on an incline to engage the support when the lever swings outward on its pivotal mounting and said flexible pull connection being engaged with the lever at a point to start said lever in its inwardly swinging movement when so supported by said angularly related extension of the lever.

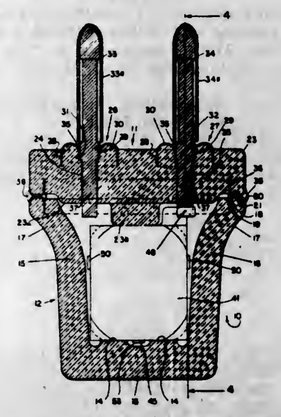
2,484,003
PARALLEL GLASS FIBER UNIT
Allen L. Simison, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application February 13, 1943, Serial No. 475,850
5 Claims. (Cl. 49—82)



1. As an article of manufacture, a unit comprising a multiplicity of parallel glass fibers in compact arrangement and under compression with substantially all of the fibers in longitudinal contact, the fibers only in the periphery of the unit being sintered together to form a band surrounding the unit and thereby prevent release of the pressure in the interior of the finished unit.

2. The method of making porous parallel glass fiber units which comprises heating the region adjacent the peripheral surface of a compact bundle of fibers in which the fibers extend generally in the direction of length of the bundle, and holding the bundle under compression while it is heated to a temperature at which the fibers only in the region of said surface are fused together while maintaining the fibers interiorly of said peripheral region below said fusing temperature, whereby said last-named fibers are unfused and held in compacted relation under pressure by the fibers in the surface regions of the bundle.

2,484,004
CRYSTAL HOLDER
James B. Adams, Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa., a corporation of Pennsylvania
Application November 14, 1945, Serial No. 628,518
6 Claims. (Cl. 171—327)



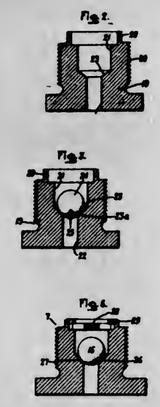
1. In a piezoelectric crystal holder, a hollow relatively thick-walled molded glass cap open at one end and having a circumferentially continu-

ous end wall, a circumferentially continuous metal eyelet having an exposed portion and a portion molded into said end wall of said glass cap forming a glass-to-metal seal extending entirely about the end of the latter at said open end, a glass base for closing the said open end of the cap, a circumferentially continuous metal eyelet having an exposed portion and a portion molded into said glass base forming a glass-to-metal seal extending entirely about the same at one side thereof, said metal eyelets adapted to have circumferentially continuous engagement of their exposed portions with each other on the base being disposed on the open end of the cap, said eyelets of a metal having a coefficient of expansion substantially the same as that of the glass of said cap and base assembly to remain molded to the latter in hermetically sealed relation under changes in ambient temperature, and a filler of soft solder sealing and securing said eyelets to one another in hermetically sealed relation.

ABSTRACTS OF APPLICATIONS

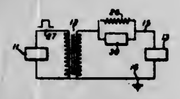
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applica tions and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

545,016. METHOD OF MAKING TIMING VALVES. Carl E. Bazley, Schenectady, N. Y., assignor to General Electric Co., a corporation of New York. Filed July 14, 1944. Published Oct. 4, 1949. Class 29—157.1.



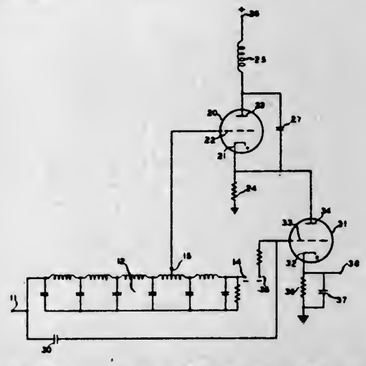
The application discloses a method for forming a timing valve having a grooved spherical seat which comprises pressing into an interior conical seat 23 formed in a valve body 19, a seat forming ball 24 which has on its outer surface a ridge 25. The seat forming ball is pressed into the conical seat so that the ball ridge 25 first forms a groove in the seat, and the spherical ball surface thereafter deforms the conical seat to a spherical configuration. The seat forming ball 24 is then withdrawn and a valve ball 18 substituted in its place.

567,187. ELECTRICAL SYSTEM. John M. LaRue, and David F. Winter, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Apr. 7, 1945. Published Oct. 4, 1949. Class 332—31.



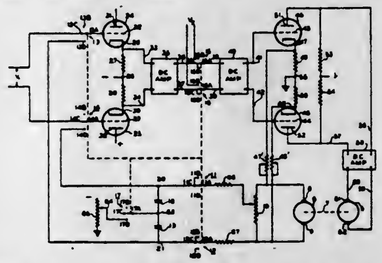
The application discloses a modulator-oscillator circuit in which a modulator 11 is coupled by a transformer 12 to an oscillator 13 through a resistor 26 and a delay line 30 in parallel. The delay line and resistor may be placed in either the primary or the secondary circuit of the transformer. This coupling reduces the proportion of the voltage which is initially applied from the modulator to the oscillator and restores this voltage to a normal proportion after a predetermined time.

590,050. ELECTRICAL APPARATUS. Lawrence W. Mallach, Seattle, Wash., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Apr. 24, 1945. Published Oct. 4, 1949. Class 250—27.



A pulse discriminator circuit which is responsive to signals of predetermined duration consisting of two channels connected to a coincidence circuit, one of which channels delays the pulse for a predetermined time equal to the duration of the pulse to be selected. The coincidence circuit includes two electron discharge tubes the first of which conducts in response to the delayed pulse, thereby supplying anode potential to the second electron discharge tube which also conducts and generates an output pulse, if the input pulse in the direct channel is present simultaneously with the conduction of the first of said two electron discharge tubes.

594,259. ELECTRICAL CONTROL APPARATUS. Albert M. Grass, Quincy, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed May 17, 1945. Published Oct. 4, 1949. Class 318—326.

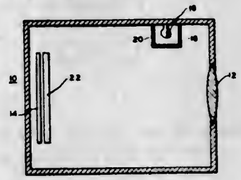


The disclosure relates to the control of motor speeds wherein the speed is regulated by a control voltage.

The motor to be controlled drives a tachometer generator 6 and the terminals thereof are connected to the respective cathodes of tubes 45, 46. With all the switches 11 to 17 in the C position a control voltage may be introduced at V_1. After amplification at 35, and 40 this control voltage appears as a potential difference at grids of tubes 45, 46. Any change in motor speed causes a change in potential difference at cathodes of tubes 45, 46 which is equivalent to an opposite potential change between the grids, since the generator 6 is so connected to the cathodes of tubes 45, 46 that the potential difference is the same polarity as the potential difference at the grids. A slow down of the motor therefore reduces the potential difference at the cathodes of tubes 45, 46 and being equivalent to an increase in potential difference between grids, causes an increase in potential applied to the motor and it speeds up until the circuit is in stable condition. Good regulation of the motor speed is thus obtained substantially independent of motor load. With all switches in the B position, a voltage introduced at V_2 may be used to control motor speed. In switching from the C to D position of all switches, the control voltage comes from the discharge of condenser 18, 19 and by suitable adjustment of slider 64, this voltage will be substantially equal to control voltage V_1. The motor will be thus maintained at its previous speed for several minutes after disconnection of the control voltage V_1.

610,178. PHOTOGRAPHIC GUN RANGING. Norman L. Heikes, West End, N. J. Filed Aug. 10, 1945. Published Oct. 4, 1949. Class 95—5.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



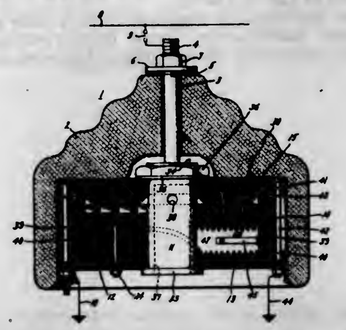
This application refers to a camera providing means whereby the direction or position in space of photographic objects may be determined.

Fig. 1 shows a camera 10 having a lens 12 and a photographic film 14. Positioned within the camera 10 and proximate to lens 12, but outside the field of view of the lens, is a source of illumination 16. Light source 16 is enclosed in a housing 18 having a filter 20 positioned in one wall thereof so that light rays from said light source pass through said filter and will illuminate all of plate 22 mentioned below. Positioned against the film 14 and in close contact therewith, is the filter grid plate 22. Plate 22 is formed of a transparent material, such as glass, and is provided on one surface with a series of intersecting grid lens forming filter areas bounded by lines. The lines are transparent to light in the entire spectral range used in this device. The areas bounded by the intersecting lines are transparent only to that portion of the spectrum used to photograph the object. The filter 20 transmits only light lying in the spectral regions above or below the spectral region transmitted by the areas bounded by the intersecting lines. The light source 16 is illuminated during, after or before the time during which the object is being photographed.

During the operation of the camera, the limited emission from filter 20 will pass through the grid lines and will be absorbed by the filter areas, thus causing an image of the grid lines to be formed on the film. Light from the object being photographed will pass through the grid lines and filter areas to impress the entire image of the object superimposed on a previously calibrated grid, whereby the direction of the object from the camera may be determined. Several such cameras may be employed in a system used to determine the direction and position in space of objects such as gun flashes or regions of land to be mapped.

To reduce errors to a minimum, parallax is eliminated by intimately juxtaposing the film 14 with respect to the filter surface of plate 22. Furthermore, the grid 22 is originally prepared by photographing an accurately prepared grid onto a glass surface utilizing the same lens 12 as is used in the camera.

635,316. ARC EXTINGUISHING DEVICE. Elmer J. Wade, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Dec. 15, 1945. Published Oct. 4, 1949. Class 175—41.



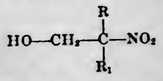
An arc extinguishing device comprising a pair of concentric cylindrical electrodes and an arc extinguishing structure between the electrodes and forming two separate compartments interconnected by a spiral slot. A winding circumscribes the outer cylindrical electrodes and is electrically connected thereto so that an arc established in one of the compartments is moved in a circumferential direction through the spiral slot into the other compartment which has a serpentine configuration whereby the arc is elongated and extinguished.

763,148. POLYVINYL ALCOHOL AND ESTERS INSOLUBILIZED WITH METHYLOL NITROPARAFFINS. John R. Caldwell, Kingsport, Tenn. Filed July 23, 1947. Published Oct. 4, 1949. Class 260—91.3. No drawing.

This application relates to the insolubilization of water soluble polyvinyl-alcohols, water soluble, low viscosity cellulose acetates and water soluble, partially hydrolyzed, alkyl esters of polyvinyl alcohols with methylol nitroparaffins.

The polyvinyl compound may be water-soluble polyvinyl alcohol, polyvinyl acetate or partially hydrolyzed polyvinyl ester.

The methylol nitroparaffins employed may be represented by the general formula:



wherein R and R_1 each represent a member selected from the group consisting of hydrogen, an alkyl group such as methyl, ethyl, propyl and a methylol group. Specifically, the methylol nitroparaffins include beta-nitroethanol, 2-nitro-1,3-

propanediol, tris (hydroxymethyl) nitromethane, 2-nitro-2-methyl-1-propanol, 2-nitro-1-butanol, 2-nitro-2-methyl-1-butanol, 2-nitro-2-ethyl-1,3-propane diol, 2-nitro-2-methyl-1,3-propanediol, 2-nitro-2-propyl-1,3-propanediol, etc.

The amount of methylol nitroparaffin used varies from 2 to 25 per cent by weight of the water-soluble polyvinyl compound. The reaction temperature ranges from 100° to 150° C. for a period of from 3 to 120 minutes, but for most products a temperature of from 130° to 140° C., for a period of from 10 to 15 minutes, gives a product of a high degree of elasticity with the desired resistance to swelling and softening by aqueous organic liquids.

Aqueous solutions of the water-soluble polyvinyl compounds and the methylol nitroparaffin may be suitably prepared and the solutions may be coated into films, tubes, etc., followed by heating at 110° to 135° for insolubilization. Blocks may be built up by piling up the sheets and heating in a press at 125° to 130° C.

The insolubilized products have a wide variety of uses particularly where high resistance to water, water-oil mixtures, oils and greases, organic solvents, etc., is needed as in fuel all diaphragms, pumps, engine gaskets, hoses, wearing apparel such as gloves, aprons, etc., and for the impregnation of cloths and papers.

An example is:

100 grams of medium viscosity polyvinyl alcohol were dissolved in 1000 cc. of water, 10 grams of tris (hydroxymethyl) nitromethane added and the mixture stirred to a homogeneous dope. Clear films were obtained by coating the dope on a casting surface and allowing to dry in the air. The films obtained were stripped from the casting surface and heated at 110° to 115° C. for a period of three hours. When placed in water, these films softened and swelled only to a slight extent. In contrast, films coated at the same time from a water solution of the same polyvinyl alcohol, but containing no tris (hydroxymethyl) nitromethane, and likewise heated for three hours at 110° to 115° C., dissolved rapidly and completely upon placing the films in water. The insolubilized films were found to be particularly valuable as gasket material for apparatus using aqueous oil emulsions.

DESIGNS

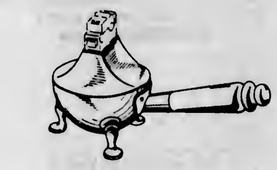
OCTOBER 4, 1949

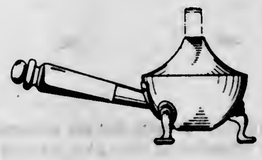
155,374
DESIGN FOR A SOUVENIR CAKE BOX OR THE LIKE
Nicolo Alba, Brooklyn, N. Y.
Application July 31, 1947, Serial No. 140,636
Term of patent 14 years
(Cl. D58—13)



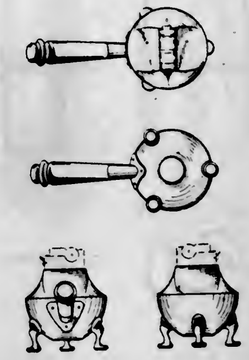
The ornamental design for a souvenir cake box or the like, as shown and described.

155,375
DESIGN FOR A TABLE LIGHTER HOLDER
Angelo Arrighi, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application April 23, 1949, Serial No. 2,212
Term of patent 14 years
(Cl. D48—27)



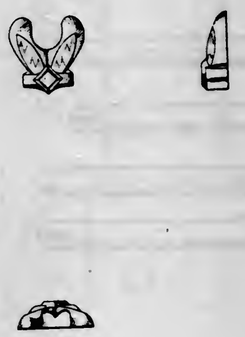


155,375—Continued.



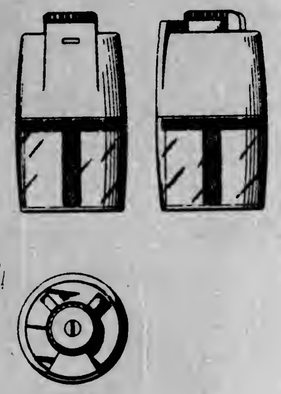
The ornamental design for a table lighter holder, as shown and described.

155,376
DESIGN FOR A BRACELET LINK OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 28, 1949, Serial No. 3,600
Term of patent 14 years
(Cl. D45—4)



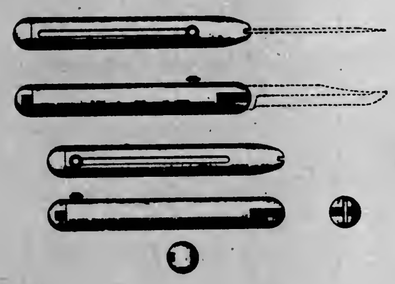
The ornamental design for a bracelet link or similar article, substantially as shown.

155,277
DESIGN FOR A DISPENSER FOR FACE CREAM OR THE LIKE
Robert Gordon Bau, North Hollywood, Calif.
Application September 10, 1948, Serial No. 148,548
Term of patent 14 years
(Cl. D86—10)



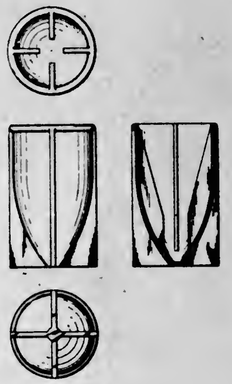
The ornamental design for a dispenser for face cream or the like, substantially as shown.

155,278
DESIGN FOR A SLIDING BLADE KNIFE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application December 26, 1947, Serial No. 143,363
Term of patent 14 years
(Cl. D22—3)



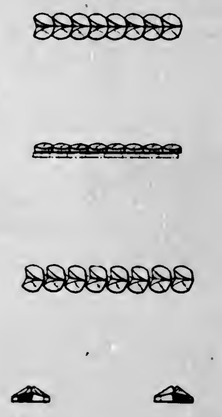
The ornamental design for a sliding blade knife, substantially as shown and described.

155,279
DESIGN FOR A PAPER CUP HOLDER
Kenneth E. Bemis, Oakland, Calif.
Application March 9, 1948, Serial No. 145,001
Term of patent 14 years
(Cl. D44—9)



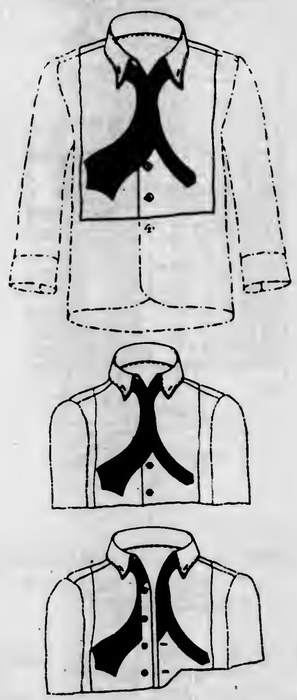
The ornamental design for a paper cup holder, as shown.

155,280
DESIGN FOR AN EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Joseph M. Bender, Manhasset, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application March 2, 1949, Serial No. 1,173
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown.

155,281
DESIGN FOR A COMBINED SHIRT AND TIE
Virgil Black, Grand Ridge, Ill.
Application April 5, 1948, Serial No. 145,529
Term of patent 14 years
(Cl. D3—25)



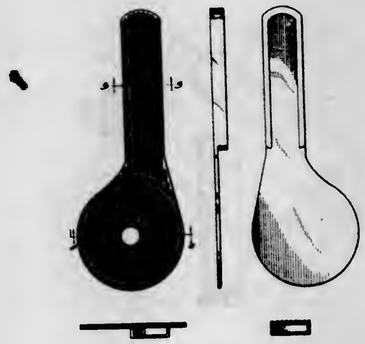
The ornamental design for a combined shirt and tie, as shown and described.

155,282
DESIGN FOR A SOCK OR SIMILAR ARTICLE
Robert D. Blum, Jr., and Shepard B. Schwartz, Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application November 19, 1947, Serial No. 142,628
Term of patent 3½ years
(Cl. D47—7)



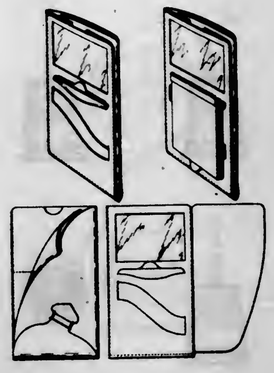
The ornamental design for a sock or similar article, as shown and described.

155,283
DESIGN FOR A COMBINED ACCELERATOR PEDAL PAD AND HEEL REST
Casper A. Bristson, Chicago, Ill.
Application August 20, 1948, Serial No. 148,196
Term of patent 14 years
(Cl. D14—6)



The ornamental design for a combined accelerator pedal pad and heel rest, as shown.

155,284
DESIGN FOR A COMBINED WALLET AND MEMORANDUM PAD
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application June 3, 1948, Serial No. 146,742
Term of patent 14 years
(Cl. D87—3)



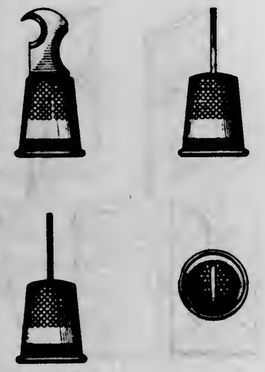
The ornamental design for a combined wallet and memorandum pad, as shown and described.

155,385
DESIGN FOR A LIPSTICK CONTAINER OR THE LIKE
Pierre Brun, Paris, France, assignor to Guerlain Inc., New York, N. Y., a corporation of New York
Application March 2, 1948, Serial No. 144,867
In France January 7, 1948
Term of patent 14 years
(Cl. D86—10)



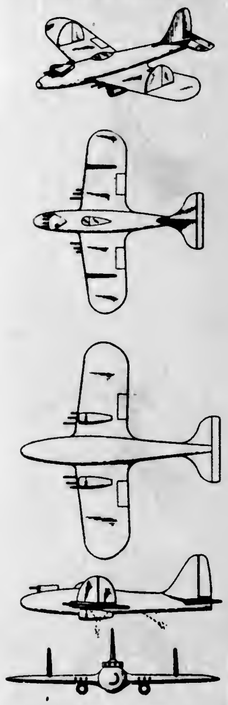
The ornamental design for a lipstick container or the like, substantially as shown and described.

155,386
DESIGN FOR A STITCH AND SEAM OPENING DEVICE
Kenly C. Bugg, Fort Wayne, Ind.
Application January 31, 1948, Serial No. 144,191
Term of patent 14 years
(Cl. D3—19)



The ornamental design for a stitch and seam opening device substantially as shown.

155,387
DESIGN FOR AN AIRPLANE
James A. Burris, Reynoldsburg, Ohio
Application August 20, 1948, Serial No. 148,227
Term of patent 7 years
(Cl. D71—1)



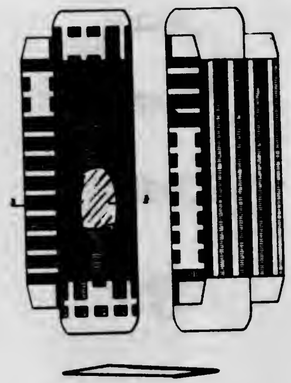
The ornamental design for an airplane, substantially as shown and described.

155,388
DESIGN FOR A FIGURINE
Elizabeth Clar, Los Angeles, Calif.
Application August 9, 1948, Serial No. 147,999
Term of patent 14 years
(Cl. D29—23)



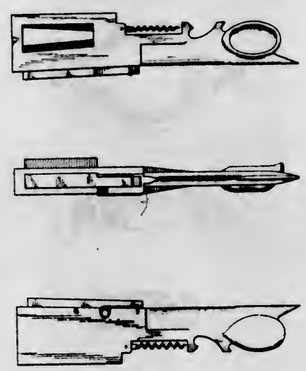
The ornamental design for a figurine, substantially as shown.

155,389
DESIGN FOR A CARTON
Jacob Cohen, Forest Hills Township, Nassau County, N. Y., assignor to Laurel Intimates, Inc., a corporation of New York
Application July 30, 1947, Serial No. 140,613
Term of patent 3½ years
(Cl. D80—5)



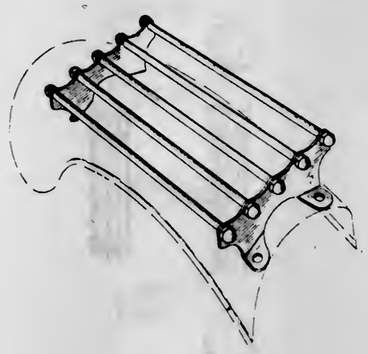
The ornamental design for a carton, substantially as shown and described.

155,390
DESIGN FOR A COMBINATION TOOL
James J. Comerford, Brooklyn, N. Y.
Application July 16, 1948, Serial No. 147,614
Term of patent 3½ years
(Cl. D44—29)



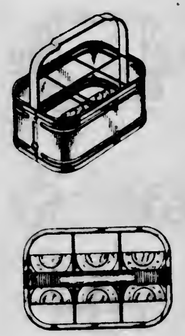
The ornamental design for a combination tool, as shown.

155,391
DESIGN FOR A LUGGAGE CARRIER FOR MOTORCYCLES
Anthony T. Comiskey, Sr., and Charles A. Comiskey, Chicago, Ill.
Application July 10, 1947, Serial No. 140,196
Term of patent 14 years
(Cl. D90—3)



The ornamental design for a luggage carrier for motorcycles, substantially as shown and described.

155,392
DESIGN FOR A BOTTLE CARRIER
Paul F. Danielson, San Marino, Calif.
Application June 26, 1948, Serial No. 147,230
Term of patent 14 years
(Cl. D58—4)



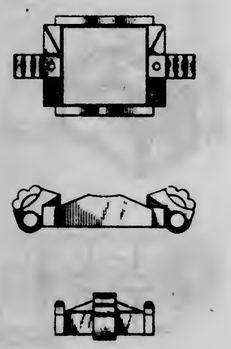
The ornamental design for a bottle carrier, as shown.

155,393
DESIGN FOR A LIPSTICK CONTAINER OR THE LIKE
Bernard d'Escayrac, New York, N. Y., assignor to Guerlain, Inc., New York, N. Y., a corporation of New York
Application July 25, 1947, Serial No. 140,505
Term of patent 14 years
(Cl. D86—10)



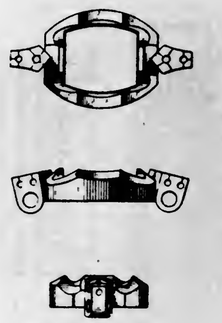
The ornamental design for a lipstick container or the like, substantially as shown and described.

155,394
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,282
Term of patent 3½ years
(Cl. D42—8)



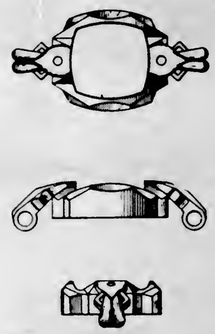
The ornamental design for a watchcase bezel, substantially as shown.

155,395
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,283
Term of patent 3½ years
(Cl. D42—8)



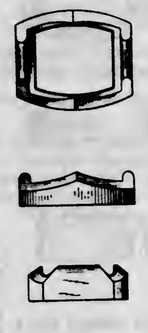
The ornamental design for a watchcase bezel, substantially as shown.

155,396
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,284
Term of patent 3½ years
(Cl. D42—8)



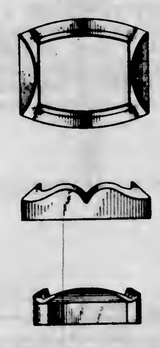
The ornamental design for a watchcase bezel, substantially as shown.

155,397
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,285
Term of patent 3½ years
(Cl. D42—8)



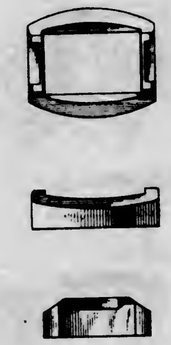
The ornamental design for a watchcase bezel, substantially as shown.

155,398
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,286
Term of patent 3½ years
(Cl. D42—8)



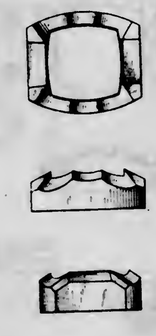
The ornamental design for a watchcase bezel, substantially as shown.

155,399
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,287
Term of patent 3½ years
(Cl. D42—8)



The ornamental design for a watchcase bezel, substantially as shown.

155,400
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,288
Term of patent 3½ years
(Cl. D42—8)



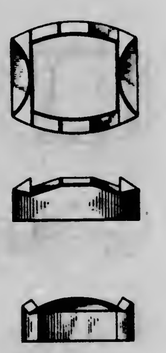
The ornamental design for a watchcase bezel, substantially as shown.

155,401
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,289
Term of patent 3½ years
(Cl. D42—8)



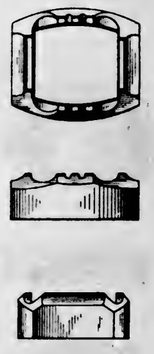
The ornamental design for a watchcase bezel, substantially as shown.

155,402
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,290
Term of patent 3½ years
(Cl. D42—8)



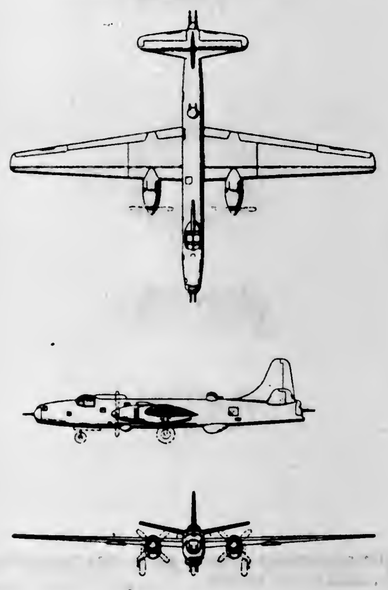
The ornamental design for a watchcase bezel, substantially as shown.

155,403
DESIGN FOR A WATCHCASE BEZEL
Harry Dinhofer, New York, N. Y.
Application March 8, 1949, Serial No. 1,291
Term of patent 3½ years
(Cl. D42—8)



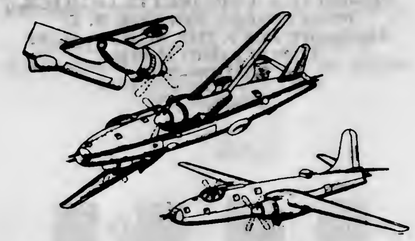
The ornamental design for a watchcase bezel, substantially as shown.

155,404
DESIGN FOR AN AIRPLANE
William K. Ebel, Baltimore County, Albert J. Subasky, Baltimore, and Willem D. van Zelm, Baltimore County, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application November 28, 1947, Serial No. 142,871
Term of patent 14 years
(Cl. D71—1)



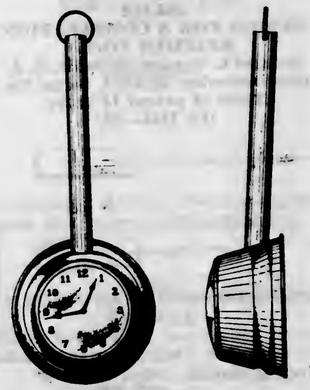
The ornamental design for an airplane, substantially as shown.

155,404—Continued



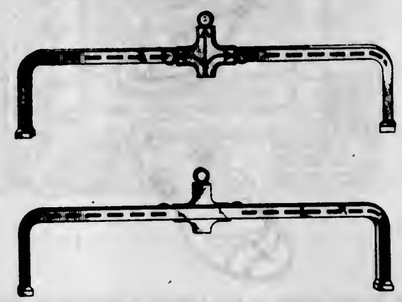
The ornamental design for an airplane, substantially as shown and described.

155,405
DESIGN FOR A WALL CLOCK
Nicholas J. Faniola, Plainville, Conn.
Application September 24, 1947, Serial No. 141,561
Term of patent 14 years
(Cl. D42—7)



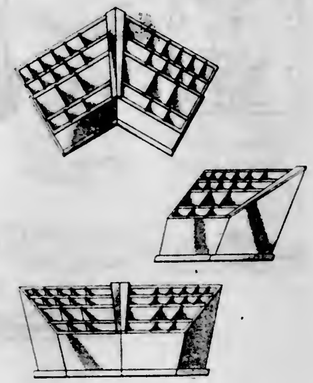
The ornamental design for a wall clock, as shown and described.

155,406
DESIGN FOR A HIGHWAY TRAFFIC SIGNAL
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
Application March 4, 1948, Serial No. 144,901
Term of patent 14 years
(Cl. D72—1)



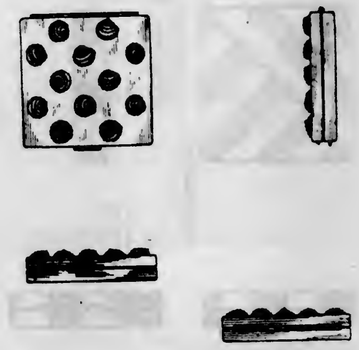
The ornamental design for a highway traffic signal, as shown and described.

155,407
DESIGN FOR A DISPLAY CASE
Roy L. Flannery, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1948, Serial No. 144,552
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a display case, as shown.

155,408
DESIGN FOR A COMPACT
Paul Flato, New York, N. Y., assignor to Paul Flato Sales Corp., New York, N. Y.
Application August 31, 1948, Serial No. 148,387
Term of patent 3½ years
(Cl. D86—10)



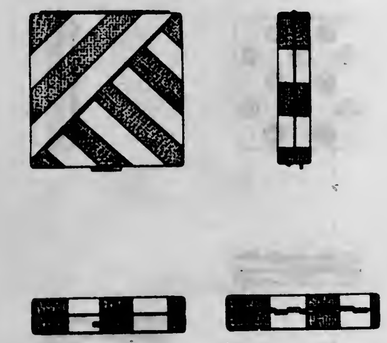
The ornamental design for a compact, substantially as shown.

155,409
DESIGN FOR A COMPACT
Paul Fiato, New York, N. Y., assignor to Paul Fiato Sales Corp., New York, N. Y.
Application September 9, 1948, Serial No. 148,519
Term of patent 3½ years
(Cl. D86—10)



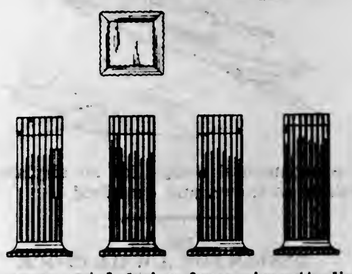
The ornamental design for a compact, substantially as shown.

155,410
DESIGN FOR A COMPACT OR SIMILAR ARTICLE
Paul E. Fiato, New York, N. Y., assignor to Paul Fiato Sales Corp., New York, N. Y.
Application September 9, 1948, Serial No. 148,520
Term of patent 3½ years
(Cl. D86—10)



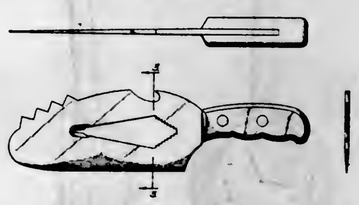
The ornamental design for a compact or similar article, substantially as shown and described.

155,411
DESIGN FOR A CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application July 5, 1949, Serial No. 3,702
Term of patent 14 years
(Cl. D48—27)



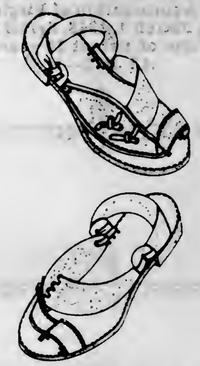
The ornamental design for a cigarette lighter substantially as shown.

155,412
DESIGN FOR A COMBINATION KITCHEN TOOL
Samuel L. Gerson, Millville, N. J.
Application December 31, 1947, Serial No. 143,475
Term of patent 14 years
(Cl. D44—29)



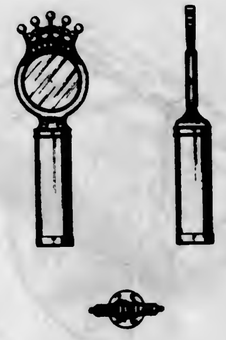
The ornamental design for a combination kitchen tool as shown.

155,413
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Arnold B. Gifford, New York, N. Y.
Application May 6, 1949, Serial No. 2,489
Term of patent 3½ years
(Cl. D7—7)



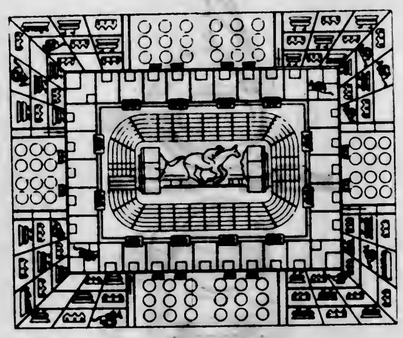
The ornamental design for a shoe or similar article, substantially as shown.

155,414
DESIGN FOR A COMBINATION LIPSTICK CASING AND MIRROR
Murray Goldenstein, New York, N. Y.
Application August 3, 1948, Serial No. 147,962
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a combination lipstick casing and mirror, substantially as shown.

155,415
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Melvin S. Goodick, Somerville, Mass.
Application August 21, 1947, Serial No. 140,986
Term of patent 14 years
(Cl. D34—5)



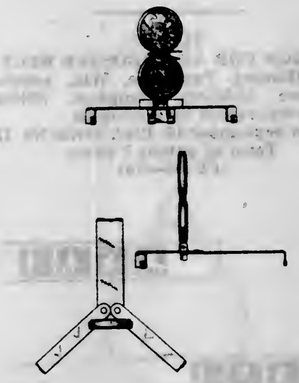
The ornamental design for a game board or similar article, substantially as shown and described.

155,416
DESIGN FOR A DRESS
David E. Gothé, New York, N. Y.
Application August 6, 1948, Serial No. 147,971
Term of patent 3½ years
(Cl. D2—26)



The ornamental design for a dress, substantially as shown.

155,417
DESIGN FOR A HIGHWAY REFLECTOR SIGNAL
Ralph R. Gunderson, Chicago, Ill.
Application June 24, 1948, Serial No. 147,170
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a highway reflector signal, as shown.

155,418
DESIGN FOR AN EMBOSSED BELT
John R. Hampel, Pewaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1946, Serial No. 133,396
Term of patent 7 years
(Cl. D3—10)



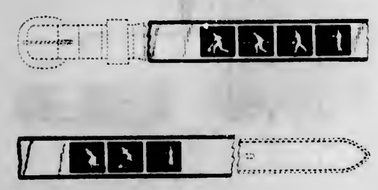
The ornamental design for an embossed belt, as shown and described.

155,419
DESIGN FOR AN EMBOSSED BELT
John R. Hampel, Pewaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1946, Serial No. 133,397
Term of patent 7 years
(Cl. D3—10)



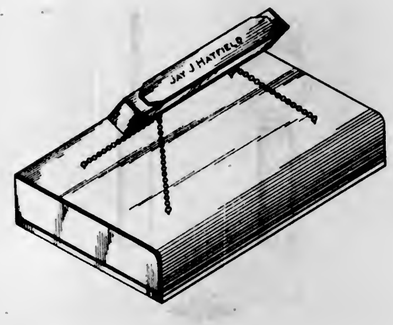
The ornamental design for an embossed belt, as shown and described.

155,420
DESIGN FOR AN EMBOSSED BELT
John R. Hampel, Pewaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 19, 1946, Serial No. 133,398
Term of patent 7 years
(Cl. D3—10)



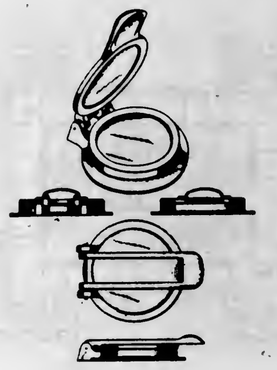
The ornamental design for an embossed belt, as shown and described.

155,421
DESIGN FOR A MAGNETIC DESK NAME PLATE
Jay J. Hatfield, Asbury Park, N. J.
Application March 26, 1947, Serial No. 138,325
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a magnetic desk name plate, as shown and described.

155,422
DESIGN FOR A HAMBURGER PATTY FORMING DEVICE
Irie P. Henderson, Burlingame, Calif.
Application February 20, 1947, Serial No. 137,033
Term of patent 7 years
(Cl. D44—1)



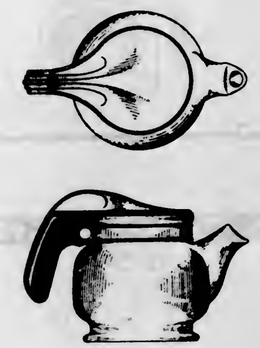
The ornamental design for a hamburger patty forming device, as shown.

155,423
DESIGN FOR A PLATE OR SIMILAR ARTICLE
George J. Higginson, Mount Vernon, N. Y., assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y., a corporation of Great Britain
Application April 2, 1947, Serial No. 138,103
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate or similar article, as shown and described.

155,424
DESIGN FOR A BEVERAGE POT
Lee H. Hillman, Fort Wayne, Ind.
Application December 17, 1947, Serial No. 143,175
Term of patent 7 years
(Cl. D44—25)



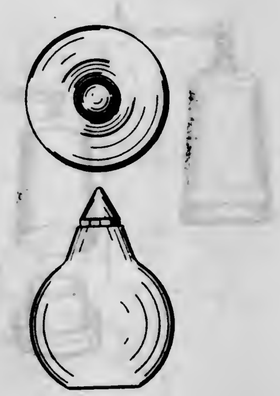
The ornamental design for a beverage pot, substantially as shown.

155,425
DESIGN FOR A CLOTHESPIN BAG
Minnie A. Heward, Los Angeles, Calif.
Application November 12, 1948, Serial No. 149,584
Term of patent 14 years
(Cl. D87—5)



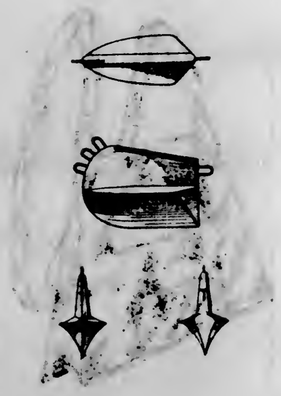
The ornamental design for a clothespin bag, as shown and described.

155,426
DESIGN FOR A HAMMER FOR BODY AND FENDER WORK
Gilbert J. Ince, Greeley, Colo., assignor of seven and one-half per cent to Wilbur A. E. Mitchell and thirty per cent to Orville C. Winstead, both of Greeley, Colo.
Application April 24, 1947, Serial No. 138,604
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a hammer for body and fender work, as shown.

155,427
DESIGN FOR A TROLLING SINKER
Karl M. Ingalls, Texas City, Tex.
Application November 8, 1948, Serial No. 149,526
Term of patent 7 years
(Cl. D81—4)



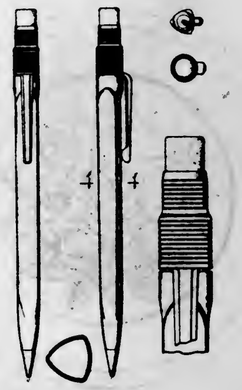
The ornamental design for a trolling sinker, as shown.

155,428
DESIGN FOR A COFFEE GRINDER OR THE LIKE
David S. Isrin, New York, N. Y.
Application October 16, 1947, Serial No. 141,949
Term of patent 7 years
(Cl. D55—1)



The ornamental design for a coffee grinder or the like, as shown.

155,429
DESIGN FOR A PENCIL
David Kahn, Englewood, N. J., assignor to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application June 21, 1949, Serial No. 3,438
Term of patent 14 years
(Cl. D74—24)



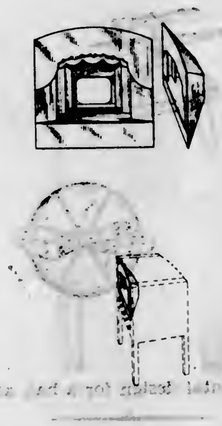
The ornamental design for a pencil, substantially as shown and described.

155,430
DESIGN FOR A BELT OR SIMILAR ARTICLE
Kenneth Krasnow, New York, N. Y., assignor to Krasnow Belt Co., Inc., New York, N. Y.
Application March 20, 1948, Serial No. 145,252
Term of patent 3½ years
(Cl. D3—10)



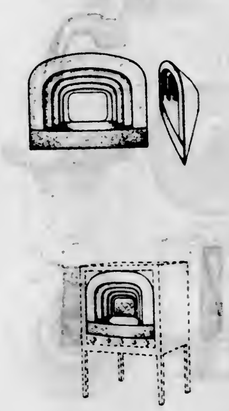
The ornamental design for a belt or similar article, as shown and described.

155,431
DESIGN FOR A TELEVISION VIEWING FRAME
William S. Leffler and Warren B. Green, Darien, Conn.; said Green assignor to said Leffler
Application March 19, 1948, Serial No. 145,234
Term of patent 14 years
(Cl. D26—14)



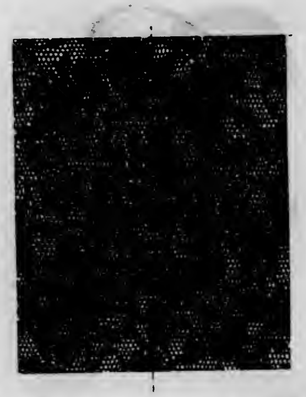
The ornamental design for a television viewing frame, substantially as shown and described.

155,432
DESIGN FOR A TELEVISION VIEWING FRAME
William S. Leffler and Warren B. Green, Darien, Conn.; said Leffler assignor to said Green
Application March 19, 1948, Serial No. 145,235
Term of patent 14 years
(Cl. D26—14)



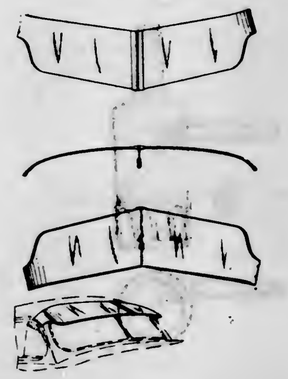
The ornamental design for a television viewing frame, substantially as shown and described.

155,433
DESIGN FOR A PLASTIC FILM MATERIAL
Robert P. Magid, Forest Hills, N. Y., assignor to Hartford Textile Corporation, New York, N. Y., a corporation of New York
Application March 6, 1948, Serial No. 144,979
Term of patent 3½ years
(Cl. D92—1)



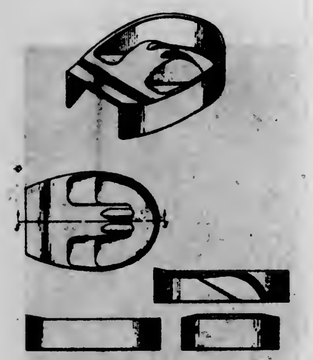
The ornamental design for a plastic film material, substantially as shown and described.

155,434
DESIGN FOR AN AUTOMOBILE VISOR
William A. Maher, Detroit, Mich.
Application August 2, 1947, Serial No. 140,803
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for an automobile visor, as shown and described.

155,435
DESIGN FOR A MANICURIST BOWL
Thomas M. Mangold, Cincinnati, Ohio
Application March 21, 1947, Serial No. 737,895
Term of patent 14 years
(Cl. D62—10)



The ornamental design for a manicurist bowl, substantially as shown.

155,436
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Walter P. Margulies, New York, N. Y.
Application July 2, 1948, Serial No. 147,361
Term of patent 14 years
(Cl. D58—8)



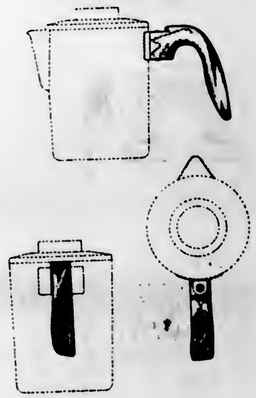
The ornamental design for a bottle or similar article, substantially as shown.

155,437
DESIGN FOR A HAT
Benjamin Molin and Joseph Rosenbaum, Brooklyn, N. Y.
Application April 29, 1948, Serial No. 146,824
Term of patent 3½ years
(Cl. D3—13)



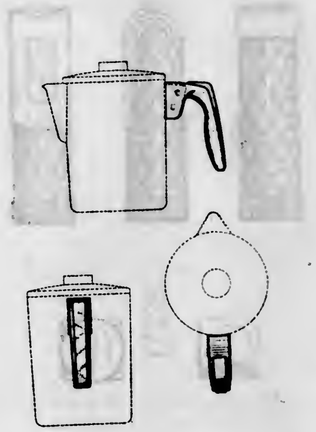
The ornamental design for a hat, as shown.

155,438
DESIGN FOR A BEVERAGE SERVING UTENSIL
Peter Muller-Munk, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 145,844
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a beverage serving utensil, as shown and described.

155,439
DESIGN FOR A BEVERAGE SERVING UTENSIL
Peter Muller-Munk, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 145,845
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a beverage serving utensil, as shown and described.

155,440
DESIGN FOR A PERCOLATOR KNOB
Peter Muller-Munk, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 145,846
Term of patent 7 years
(Cl. D44—26)



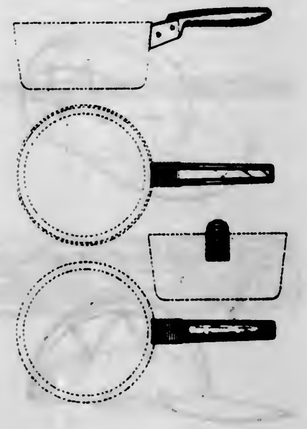
The ornamental design for a percolator knob, as shown.

155,441
DESIGN FOR A PERCOLATOR KNOB
Peter Muller-Munk, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 145,847
Term of patent 7 years
(Cl. D44—26)



The ornamental design for a percolator knob, as shown.

155,442
DESIGN FOR A COOKING UTENSIL
Peter Muller-Munk, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1948, Serial No. 145,849
Term of patent 7 years
(Cl. D44—29)



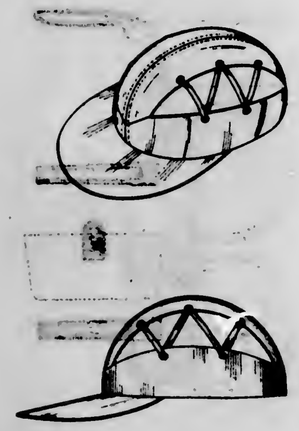
The ornamental design for a cooking utensil, as shown and described.

155,443
DESIGN FOR A CAP OR THE LIKE
Tobias Noped, Brooklyn, N. Y., assignor to Noped Mfg. Co., a copartnership composed of Tobias Noped and Gertrude Noped, New York, N. Y.
Application May 21, 1948, Serial No. 146,503
Term of patent 7 years
(Cl. D2—13)



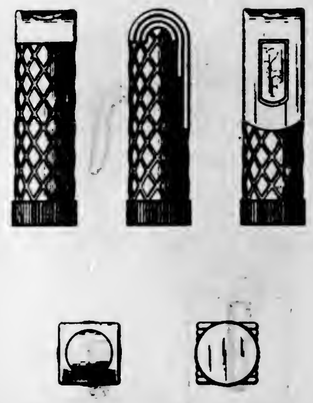
The ornamental design for a cap or the like, substantially as shown and described.

155,444
DESIGN FOR A CAP OR THE LIKE
Tobias Noped, Brooklyn, N. Y., assignor to Noped Mfg. Co., a copartnership composed of Tobias Noped and Gertrude Noped, New York, N. Y.
Application May 21, 1948, Serial No. 146,504
Term of patent 14 years
(Cl. D2—13)



The ornamental design for a cap or the like, substantially as shown and described.

155,445
DESIGN FOR A COSMETIC HOLDER
Emil H. Oremick, Cleveland, Ohio
Application October 26, 1948, Serial No. 149,207
Term of patent 14 years
(Cl. D86—10)



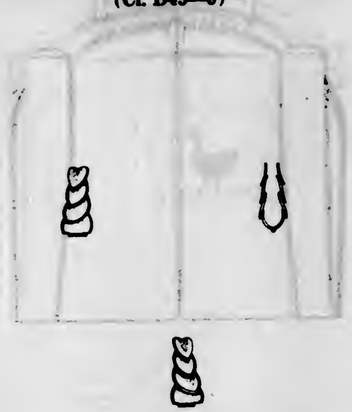
The ornamental design for a cosmetic holder, substantially as shown.

155,446
DESIGN FOR A FIGURINE
Ernesto Perugri, Brooklyn, N. Y.
Application March 12, 1948, Serial No. 145,058
Term of patent 14 years
(Cl. D29—23)



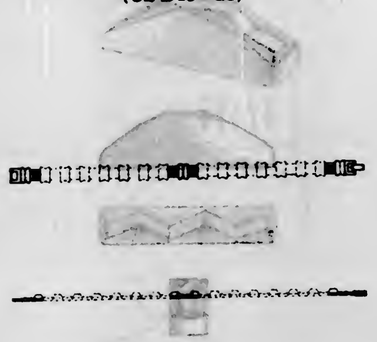
The ornamental design for a figurine, substantially as shown.

155,447
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 16, 1949, Serial No. 3,317
Term of patent 7 years
(Cl. D45—9)



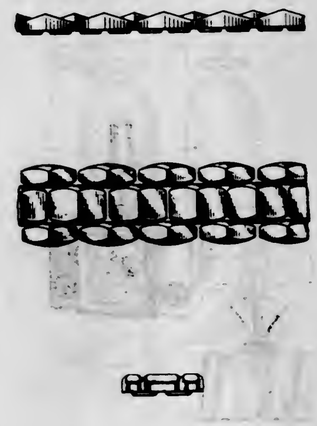
The ornamental design for an earring or similar article, substantially as shown.

155,448
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 23, 1949, Serial No. 3,474
Term of patent 7 years
(Cl. D45—16)



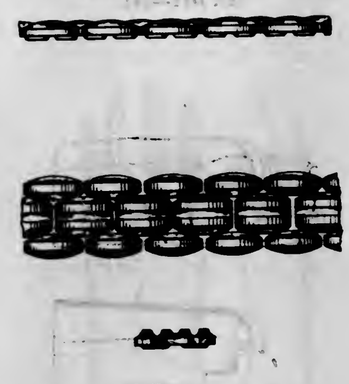
The ornamental design for a necklace or similar article, substantially as shown and described.

155,449
DESIGN FOR A CHAIN FOR A WRISTBAND OR SIMILAR ARTICLE
Alfred Pinson, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y.
Application March 23, 1949, Serial No. 1,561
Term of patent 14 years
(Cl. D45—4)



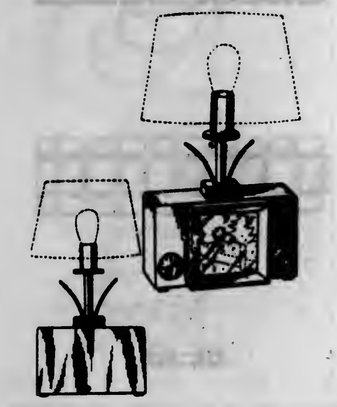
The ornamental design for a chain for a wristband or similar article, as shown.

155,450
DESIGN FOR A CHAIN FOR A WRISTBAND OR SIMILAR ARTICLE
Alfred Pinson, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y.
Application March 25, 1949, Serial No. 1,606
Term of patent 14 years
(Cl. D45—4)



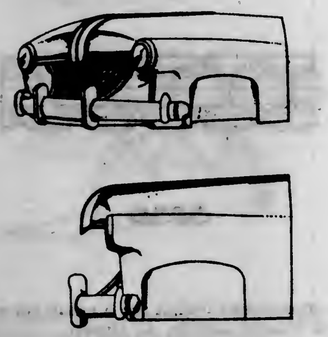
The ornamental design for a chain for a wristband or similar article, as shown.

155,451
DESIGN FOR A LAMP WITH ILLUMINABLE BASE
Joseph Provenzano, New York, N. Y.
Application June 18, 1949, Serial No. 3,289
Term of patent 7 years
(Cl. D48—28)

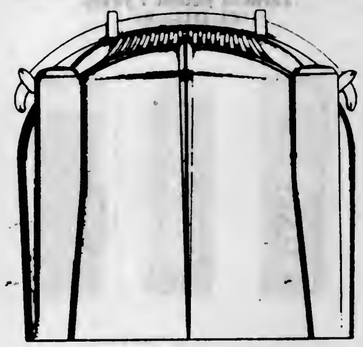


The ornamental design for a lamp with illuminable base, substantially as shown and described.

155,452
DESIGN FOR A COMBINED GRILLE, HOOD, FENDERS, AND BUMPER FOR VEHICLES
Walter F. Rothe, Washington, D. C.
Application August 5, 1948, Serial No. 147,958
Term of patent 7 years
(Cl. D14—18)

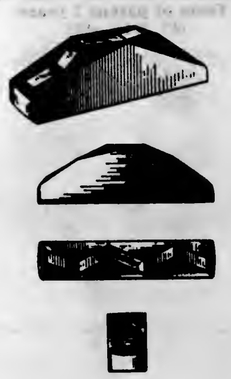


155,452—Continued



The ornamental design for a combined grille, hood, fenders, and bumper for vehicles, substantially as shown.

155,453
DESIGN FOR A JEWELRY COMPONENT
Louis Scherr, Brooklyn, N. Y.
Application January 28, 1949, Serial No. 557
Term of patent 7 years
(Cl. D45—1)



The ornamental design for a jewelry component, substantially as shown.

155,454
DESIGN FOR A SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application April 30, 1948, Serial No. 146,086
Term of patent 3½ years
(Cl. D47—7)



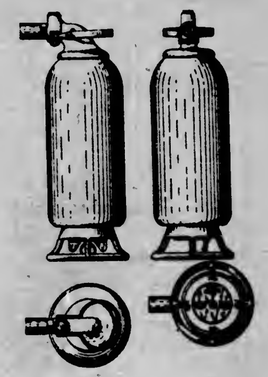
The ornamental design for a sock or similar article, as shown and described.

155,455
DESIGN FOR A SOCK OR SIMILAR ARTICLE
Shepard B. Schwartz and Robert D. Blum, Jr., Nashville, Tenn., assignors to May Hosiery Mills, Nashville, Tenn., a corporation of Tennessee
Application April 30, 1948, Serial No. 146,091
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a sock or similar article, as shown and described.

155,456
DESIGN FOR A FIRE EXTINGUISHER
Ernest E. Seaberg, Brooklyn, N. Y., assignor to Carney Products Corporation, Elmsford, N. Y., a corporation of New York
Application July 9, 1948, Serial No. 147,473
Term of patent 14 years
(Cl. D16—2)

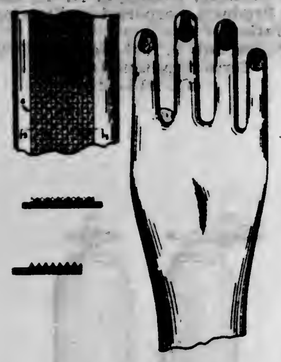


The ornamental design for a fire extinguisher, as shown.

155,457
DESIGN FOR A RUBBER GLOVE
Albert E. Sidnell, Akron, Ohio
Application August 17, 1948, Serial No. 148,141
Term of patent 14 years
(Cl. D3—11)

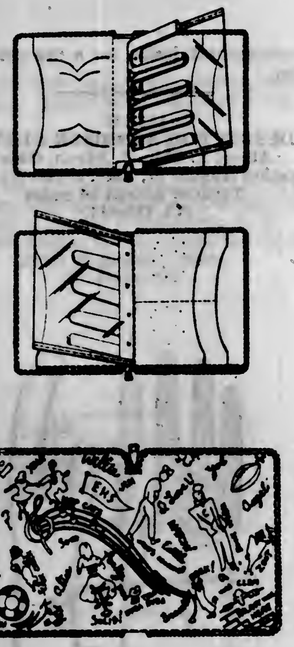


155,457—Continued



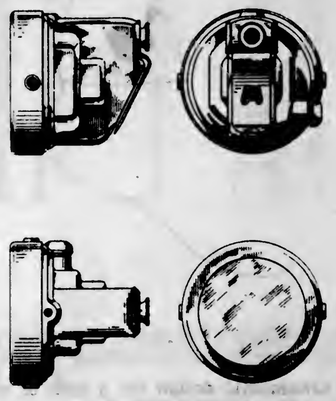
The ornamental design for a rubber glove, as shown and described.

155,458
DESIGN FOR A WALLET OR SIMILAR ARTICLE
Samuel J. Smallman, New York, N. Y.
Application October 7, 1948, Serial No. 149,005
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a wallet or similar article, substantially as shown.

155,459
DESIGN FOR A LAMP CASING OR SIMILAR ARTICLE
Wilson Young Stamper, Newark, and Louis Z. La Forest, Parsippany-Troy Hills Township, Morris County, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 12, 1949, Serial No. 3,874
Term of patent 14 years
(Cl. D48—24)



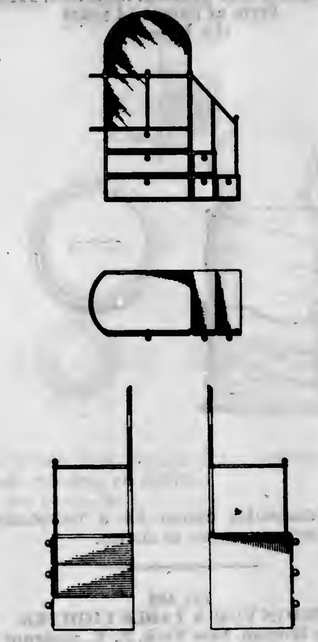
The ornamental design for a lamp casing or similar article, substantially as shown.

155,460
DESIGN FOR AN ILLUMINABLE CHRISTMAS DECORATION
Harry G. Sundheim, Jr., Cook County, Ill., assignor to The Glolite Corporation, a corporation of Illinois
Application July 24, 1948, Serial No. 147,743
Term of patent 14 years
(Cl. D26—8)



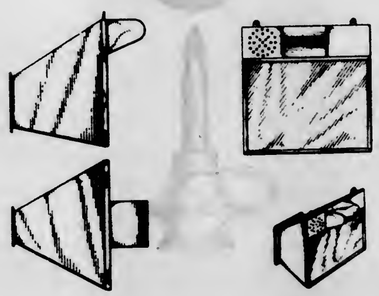
The ornamental design for an illuminable Christmas decoration, substantially as shown and described.

155,461
DESIGN FOR A NOTION DISPLAY CASE
Josephine F. Sylvia, New Bedford, Mass.
Application November 25, 1946, Serial No. 135,075
Term of patent 14 years
(Cl. D60—6)



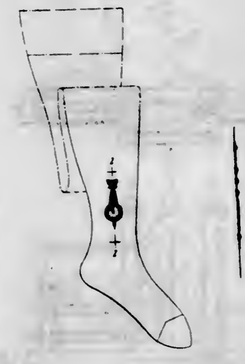
The ornamental design for a notion display case, as shown.

155,462
DESIGN FOR AN OVERHEAD TELEVISION RECEIVING SCREEN
Victor Trad, Deal, N. J.
Application August 12, 1948, Serial No. 148,065
Term of patent 14 years
(Cl. D26—14)



The ornamental design for an overhead television receiving screen, as shown.

155,463
DESIGN FOR A JEWELED LADY'S STOCKING OR THE LIKE
Ellen Troy, New York, N. Y.
Application October 20, 1947, Serial No. 142,023
Term of patent 14 years
(Cl. D47—7)



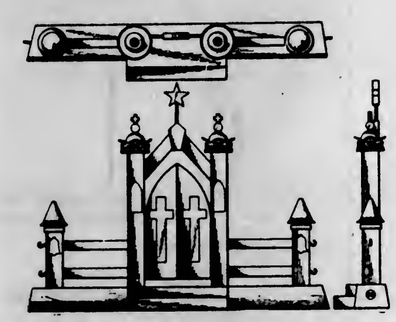
The ornamental design for a jeweled lady's stocking or the like, substantially as shown.

155,464
DESIGN FOR A COMB OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application August 20, 1948, Serial No. 148,205
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a comb or the like, substantially as shown and described.

155,465
DESIGN FOR A COMBINED FENCE AND GATE
Luigi Vecchio, Syracuse, N. Y.
Application December 19, 1947, Serial No. 143,243
Term of patent 3½ years
(Cl. D28—1)



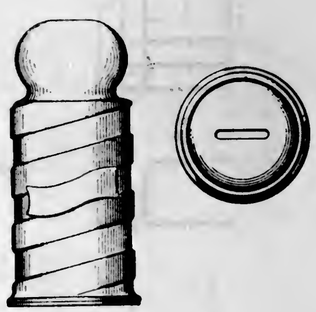
The ornamental design for a combined fence and gate, as shown.

155,466
DESIGN FOR A FISH LURE
Zigmunt M. Wasielowski, Kenmore, N. Y.
Application October 20, 1948, Serial No. 149,203
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fish lure, substantially as shown.

155,467
DESIGN FOR A RECEPTACLE FOR COINS OR SIMILAR ARTICLES
Charles N. Weill, New York, N. Y., assignor to Soria & Simon Company, New York, N. Y., a firm composed of Maximilian Simon and Charles N. Weill
Application May 13, 1948, Serial No. 146,246
Term of patent 14 years
(Cl. D34—11)



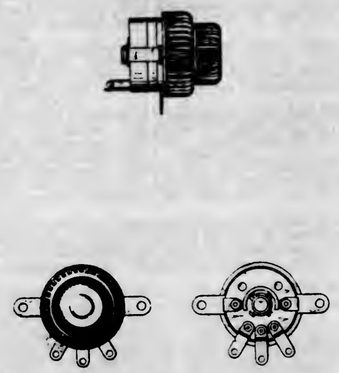
The ornamental design for a receptacle for coins or similar articles, as shown.

155,468
DESIGN FOR A TABLE LIGHTER
Sydney Weston, New York, N. Y., assignor to Rose R. Eratico, Long Island City, N. Y.
Application July 15, 1949, Serial No. 3,920
Term of patent 14 years
(Cl. D48—27)



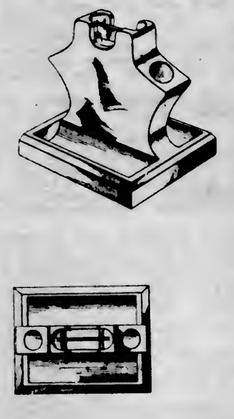
The ornamental design for a table lighter, substantially as shown.

155,469
DESIGN FOR A MINIATURE TWIN VARIABLE RESISTOR
Karl W. Youngbeck and Henry J. Glueckstein, Milwaukee, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application August 11, 1948, Serial No. 148,048
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a miniature twin variable resistor, as shown.

155,470
DESIGN FOR A COMBINED HAIRPIN RECEPTACLE AND OPENER
Otto H. Zorn, Brillion, Wis.
Application June 18, 1948, Serial No. 147,057
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a combined hairpin receptacle and opener, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Airway Fruit & Vegetable Company, Baltimore, Md. Fresh vegetables. Serial No. 559,825, Oct. 4. Class 46.

Alexon and Company Limited, London, England. Women's coats, suits, skirts, jackets and slacks. Serial No. 557,989, Oct. 4. Class 39.

Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. Serial No. 550,201, Oct. 4. Class 39.

Alloy Metal Abrasive Company, Ann Arbor, Mich. Steel shot and grit. Serial No. 567,123, Oct. 4. Class 4.

Altman, B., & Co., New York, N. Y. Matches, match books, and leather and canvas gun cases. Serial No. 570,156, Oct. 4. Class 9.

American Bulb Growers of California, Inc., San Francisco, Calif. Lily bulbs. Serial No. 547,959, Oct. 4. Class 1.

American Character Doll Co., New York, N. Y. Dolls. Serial No. 561,067, Oct. 4. Class 22.

American Cystoscope Makers, Inc., New York, N. Y. Endoscopic examining and operating surgical instruments and components thereof, etc. Serial No. 560,677, Oct. 4. Class 44.

American Eagle Fire Insurance Company, New York, N. Y. Underwriting of the following classes of insurance: Fire insurance, miscellaneous property insurance, water damage insurance, etc. Serial No. 532,423, Oct. 4. Class 55.

American Machine and Metals, Inc., Sellersville, Pa. Pressure gauges, vacuum gauges, temperature gauges, etc. Serial No. 552,562, Oct. 4. Class 26.

American-Marietta Company, Chicago, Ill. Wall boards, concrete curing compound, rubber asphalt joint sealing compound, etc. Serial No. 554,075, Oct. 4. Class 12.

Ampex Electric Corporation, San Carlos, Calif. Electric generators, and electric motors. Serial No. 554,000, Oct. 4. Class 21.

Anabolic Food Products, Inc., Glendale, Calif. Monthly periodical. Serial No. 515,359, Oct. 4. Class 38.

Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. Serial No. 562,440, Oct. 4. Class 46.

Anderson, R. E., Aurora, Ill. Space heaters, electric. Serial No. 552,563, Oct. 4. Class 21.

Anheuser-Busch, Inc., St. Louis, Mo. Barley malt syrup for food purposes. Serial No. 553,238, Oct. 4. Class 46.

Anre: *See*—
Koenig, Harry D., & Co., Inc.

Aquanox Corporation, Houston, Tex. Demulsifying compositions. Serial No. 552,929, Oct. 4. Class 6.

Arco Company, The, Cleveland, Ohio. Automobile painting kits. Serial No. 546,748, Oct. 4. Class 50.

Armstrong Cork Company, Lancaster, Pa. Plastic wall tile. Serial No. 548,229, Oct. 4. Class 12.

Arrow Armatures Company, doing business as Generator & Armatures Co., Boston, Mass. Armatures, generators, electric starters and field coils. Serial No. 547,687, Oct. 4. Class 21.

Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electric circuit makers and breakers, switches and parts and combinations thereof. Serial No. 535,785, Oct. 4. Class 21.

Art-Mor Togs Inc. New York, N. Y. Ladies' and misses' playsuits, overalls, ski suits, etc. Serial No. 542,067, Oct. 4. Class 39.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. Serial No. 526,577, Oct. 4. Class 22.

Associated Physicians Laboratories, San Francisco, Calif. Solution to be used in the treatment of neurasthenia, asthma, etc. Serial No. 554,356, Oct. 4. Class 6.

Associated Spring Corporation, Bristol, Conn., Chicago, Ill., Corry, Pa., Hamilton, Ontario, Canada, and elsewhere. Hair springs. Serial No. 549,330, Oct. 4. Class 18.

Atlanta Milling Company, Atlanta, Ga. Self-rising wheat flour. Serial No. 561,398, Oct. 4. Class 46.

Atlas Powder Company, Wilmington, Del. Synthetic detergents for laundry and industrial uses. Serial No. 555,480, Oct. 4. Class 4.

Atlas Toy Company, assignee: *See*—
Gold, Ira.

Auburn Fruit Exchange, Auburn, Calif. Fresh deciduous fruits. Serial No. 555,481, Oct. 4. Class 46.

Auto Lamp Manufacturing Co., Chicago, Ill. Electric lamps for vehicles, electric direction signals for vehicles and switches for such signals. Serial No. 562,303, Oct. 4. Class 21.

Bar-Brook Manufacturing Company, Inc., Wilmington, Del., and Shreveport, La. Window and attic fans. Serial No. 555,587, Oct. 4. Class 34.

Baron, Lawrence, Inc., Yonkers, N. Y. Prepared jelly, jam and fruit preserves. Serial No. 553,259, Oct. 4. Class 46.

Beaver Meadow By-Products Corp., Dubois, Pa. Condensed buttermilk. Serial No. 538,346, Oct. 4. Class 46.

Beck, Charles A., Pomona, Calif. Gasoline. Serial No. 545,071, Oct. 4. Class 15.

Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. Serial No. 560,529, Oct. 4. Class 39.

Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. Serial No. 560,531, Oct. 4. Class 39.

Bell & Gossett Company, Morton Grove, Ill. Electrically operated motorised valves, combination electrically operated motorised valves and electrical temperature controls therefore, etc. Serial No. 531,426, Oct. 4. Class 21.

Berkshire Fine Spinning Associates, Inc., Adams, Mass., and Providence, R. I. Textile fabrics. Serial No. 563,582, Oct. 4. Class 42.

Best Universal Lock Co., Seattle, Wash. Locks, keys and parts of locks. Serial Nos. 513,382–4, Oct. 4. Class 25.

Boker, H., & Co., Inc., New York, N. Y. Certain cutlery and tools. Serial No. 532,550, Oct. 4. Class 23.

Booth Bottling Company, Inc., Philadelphia, Pa. Non-alcoholic maltless beverages. Serial No. 564,430, Oct. 4. Class 45.

Bowen Engineering, Inc., Garwood, N. J. Engineering service. Serial No. 530,461, Oct. 4. Class 55.

Boyle-Midway Inc., Jersey City, N. J. Chemical fertilizer. Serial No. 553,571, Oct. 4. Class 10.

Branson Instruments, Inc., Danbury, Conn. Electronic thickness measuring apparatus. Serial No. 555,987, Oct. 4. Class 26.

Bristol Laboratories Inc., Syracuse, N. Y. Sedative. Serial No. 557,728, Oct. 4. Class 6.

Brittains Limited, Staffordshire, England. Metal-coated paper used particularly in the construction of electrical condensers. Serial No. 563,897, Oct. 4. Class 21.

Brooks Shoe Mfg. Co.: *See*—
Brooks Shoe Manufacturing Company.

Brooks Shoe Manufacturing Company, also doing business as Brooks Shoe Mfg. Co., Philadelphia, Pa. Athletic shoes. Serial No. 542,437, Oct. 4. Class 39.

Buchanan Electrical Products Corporation, Elizabeth, N. J. Electrical products. Serial No. 561,073, Oct. 4. Class 21.

Buck X-Ograph Company, St. Louis, Mo. Photographic solution tanks, X-ray developing tanks, compartment developing tanks, etc. Serial No. 559,002, Oct. 4. Class 26.

Burma-Cola Company, Washington, D. C. Non-alcoholic maltless beverages. Serial No. 565,311, Oct. 4. Class 45.

Busch Precision Camera Corporation, Chicago, Ill. Cameras, projectors, enlargers, etc. Serial No. 520,930, Oct. 4. Class 26.

CCA Products Engineering Company, Glendale, Calif. Combination filter-lubricator. Serial No. 501,819, Oct. 4. Class 23.

C-Cruise Corporation, West Salem, Oreg. Carnival amusement riding device. Serial No. 555,989, Oct. 4. Class 22.

California Supply Company: *See*—
Nicolaisen, Harald K.

Candy Artists, Inc., San Francisco, Calif. Candy. Serial No. 563,056, Oct. 4. Class 46.

Cape Ann Fisheries, Inc., Gloucester, Mass. Fresh fish, fish fillets, and frozen fish. Serial No. 558,108, Oct. 4. Class 46.

Carnell Manufacturing Company, Inc., Brooklyn, N. Y. Toy holsters and belts. Serial No. 550,484, Oct. 4. Class 22.

Carpenter Paper Company, Omaha, Nebr. Bond paper. Serial No. 563,285–6, Oct. 4. Class 37.

Carter Machine & Tool Co., Rockford, Ill. Kitchen utility forks. Serial No. 541,510, Oct. 4. Class 23.

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. Serial No. 560,382, Oct. 4. Class 21.

Central Soap Company, St. Paul, Minn. Scouring powders, mopping powders, soap stock, etc. Serial No. 561,654, Oct. 4. Class 4.

Chemical Corporation of America, Los Angeles, Calif. Lubricating oil. Serial No. 507,987, Oct. 4. Class 15.

Chen Yu, Inc., Chicago, Ill. Lipstick and nail lacquer. Serial No. 556,175, Oct. 4. Class 6.

Chicopee Mills, Inc.: *See*—
Chicopee Sales Corporation.

Chicopee Sales Corporation, New York, N. Y., now by change of name Chicopee Mills, Inc. Textile baby diapers, waterproofed textile diaper holders, disposable diaper pads, etc. Serial No. 513,295, Oct. 4. Class 39.

Chiksan Company, Brea, Calif. Mud mixing guns and parts for the same, swivel joints, counterbalance swivel joints, etc. Serial No. 540,034, Oct. 4. Class 23.

Ciba Limited: *See*—
Society of Chemical Industry in Basle.

Clements Mfg. Co., Chicago, Ill. Electric vacuum cleaners and portable electric blowers. Serial No. 564,374, Oct. 4. Class 21.

Clements Mfg. Co., Chicago, Ill. Electric vacuum cleaners and bags therefor. Serial No. 564,375, Oct. 4. Class 21.

Cochran Co., Inc., Tracy, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 554,948, Oct. 4. Class 46.

Cock 'N Bull Products, Hollywood, Calif. Plum pudding. Serial No. 550,386, Oct. 4. Class 46.
Cohn, Jacob V., Detroit, Mich. Dress shirts, sport shirts, and sport collars. Serial No. 538,099, Oct. 4. Class 39.
Colorado Fuel and Iron Corporation, The, Denver, Colo. Hardware. Serial No. 560,604, Oct. 4. Class 13.
Columbia Chemical Company, Inc., Chicago, Ill. Tablets. Serial No. 566,748, Oct. 4. Class 6.
Columbia Fastener Company, Chicago, Ill. Dress fasteners. Serial No. 562,542, Oct. 4. Class 40.
Compagnie Industrielle & Commerciale du Cycle & de L'Automobile, Les-Elias (Seine) France. Electrically operated warning horns. Serial No. 512,244, Oct. 4. Class 21.
Conklin Pen Company, Inc., The, Chicago, Ill. Ball point fountain pens. Serial No. 558,282, Oct. 4. Class 37.
Consolidated Distributors' Engineering Corporation, Berwyn, Ill. Air cooling and conditioning units and parts thereof; mechanical air ventilator units. Serial No. 523,886, Oct. 4. Class 34.
Consolidated Royal Chemical Corporation, Chicago, Ill. Shaving cream. Serial No. 545,958, Oct. 4. Class 4.
Continental Elastic Corporation, New Bedford, Mass. Elastic braids, narrow elastic webs, non-elastic narrow fabrics. Serial No. 553,819, Oct. 4. Class 40.
Cook, Christine E., doing business as Crowell Chemical Co., Carlstadt, N. J. Metal polish. Serial No. 564,085, Oct. 4. Class 4.
Cooper, Harry D., & Co., Inc., Boston, Mass. Woolen goods in the piece. Serial No. 511,266, Oct. 4. Class 42.
Coors, Adolph, Company, Golden, Colo. Beer. Serial No. 547,838, Oct. 4. Class 48.
Corn Products Refining Company, New York, N. Y. Corn sugar. Serial No. 553,466, Oct. 4. Class 46.
Corn Products Refining Company, New York, N. Y. Sugar for tanning leather and manufacturing purposes. Serial No. 569,436, Oct. 4. Class 6.
Corona Soapcrafters: *See*—
Rothschild, Lee.
Coventry Ware, Inc., Barberton, Ohio. Statuettes, plaques, figures, and figurines. Serial No. 530,472, Oct. 4. Class 50.
Creative Chemical Company: *See*—
Williams, Edward E.
Cribben and Sexton Company, Chicago, Ill. Stoves and ranges. Serial No. 546,655, Oct. 4. Class 34.
Crompton Company, Crompton, R. I. Fabrics in the piece. Serial No. 571,603, Oct. 4. Class 42.
Crowell Chemical Co.: *See*—
Cook, Christine E.
Crown Cork & Seal Company, Inc., Baltimore, Md. Metallic caps and closures. Serial No. 546,157, Oct. 4. Class 50.
Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.
Crown Zellerbach Corporation, doing business as Crown Willamette Paper Company, San Francisco, Calif. Paper napkins. Serial No. 549,124, Oct. 4. Class 37.
Cummins, George A., doing business as Fishocrat Creations, San Francisco, Calif. Fishing equipment. Serial No. 556,873, Oct. 4. Class 22.
Cussins and Fearn Company, The, Columbus, Ohio. Ladders, rubber link door mats, rubber stair treads. Serial No. 551,866, Oct. 4. Class 50.
Cussins and Fearn Company, The, Columbus, Ohio. Ladders, rubber link door mats, rubber stair treads. Serial No. 553,175, Oct. 4. Class 50.
Cussins and Fearn Company, The, Columbus, Ohio. Gas, coal and kerosene-fired cooking ranges, gas-heated hot plates, gas-fired bathroom heaters, etc. Serial No. 553,178, Oct. 4. Class 34.
Cutts, Richard M., The Plains, Va. Device for attachment to the muzzle of a shotgun. Serial No. 555,739, Oct. 4. Class 9.
Cutts, Richard M., doing business as The Trufilte Co., The Plains, Va. Gas porting device to be attached to the muzzle of a gun barrel. Serial No. 565,119, Oct. 4. Class 9.
Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. Serial No. 571,606, Oct. 4. Class 42.
Davey Compressor Company, Kent, Ohio. Portable air compressors, stationary air compressors, truck power take-offs, etc. Serial No. 530,068, Oct. 4. Class 23.
Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Seafood products. Serial No. 540,527, Oct. 4. Class 46.
Dawson Coal Company, Dawson Springs, Ky. Coal. Serial No. 578,922, Oct. 4. Class 1.
Deerfield Packing Corporation, Upper Deerfield, N. J., now by change of name Seabrook Farms Co. Canned vegetables. Serial No. 553,821, Oct. 4. Class 46.
Delaware Punch Bottling Company, The: *See*—
Ireland, D. J.
De St. Dalmas, A., & Company Limited, Leicester, England. Non-medicated surgical plasters and surgical dressings. Serial No. 510,002, Oct. 4. Class 44.
Deseo Shoe Corporation, Long Island City, N. Y. Ladies' and misses' shoes. Serial No. 524,113, Oct. 4. Class 39.
Dettra Flag Company, Inc., Oaks, Pa. Flags. Serial No. 542,748, Oct. 4. Class 50.
Dietrich & Gambrill, Inc., Frederick, Md., and Lewisburg, Pa. Poultry feed, dairy feed, and horse feed. Serial No. 549,325, Oct. 4. Class 46.
Dold Packing Corporation, Buffalo, N. Y. Pure lard. Serial No. 551,622, Oct. 4. Class 46.
Dorelis, Count, Ltd., New York, N. Y. Toilet water. Serial No. 513,389, Oct. 4. Class 6.
Dunaway, Judson, Corporation, Dover, N. H. Chemical drain opener. Serial No. 566,618, Oct. 4. Class 6.
Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Golf balls and tennis balls. Serial No. 538,109, Oct. 4. Class 22.
Duon, Inc., Coral Gables, Fla., and Dayton, Ohio. Skin and hair creams and shampoos. Serial No. 564,377, Oct. 4. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic rubber composition sheeting. Serial No. 559,693, Oct. 4. Class 50.
Durakool, Inc., Elkhart, Ind. Electrical relays and switches. Serial No. 564,321, Oct. 4. Class 21.
Dura-Matic Products Company, Hollywood, Calif. Toy racing cars and toy internal combustion engines. Serial No. 550,902, Oct. 4. Class 22.
Eastern Metal Products Co., Tuckahoe, N. Y. Electric irons. Serial No. 557,598, Oct. 4. Class 21.
East Texas Creamery, Marshall, Tex. Ice cream. Serial No. 555,929, Oct. 4. Class 46.
Electrical Industries, Inc., Newark, N. J. Therapeutic electrical heating pads. Serial No. 510,242, Oct. 4. Class 44.
Emerson, J. H., Company, Cambridge, Mass. Artificial respirators and resuscitators. Serial No. 521,511, Oct. 4. Class 44.
Endo Products Inc., Richmond Hill, N. Y. Medicine for treatment of varicose veins. Serial No. 556,786, Oct. 4. Class 6.
Enzo Jel Company, Sheboygan, Wis. Gelatine, gelatin dessert preparation, fruit pectin, etc. Serial No. 543,909, Oct. 4. Class 46.
Eriksen, Marius, Oslo, Norway. Skis, ski poles, ski bindings and metal edges. Serial No. 550,317, Oct. 4. Class 22.
Escalante, Jose, & Co., Chicago, Ill. Cigars. Serial No. 533,244, Oct. 4. Class 17.
Eureka Coppersmith and Plumbing Co., Inc., The, Baltimore, Md. Therapeutic appliances. Serial No. 557,662, Oct. 4. Class 44.
Exact Weight Scale Company, The, Columbus, Ohio. Weighing scales, indicators, weight checking apparatus, etc. Serial No. 549,914, Oct. 4. Class 26.
Excel Garment Manufacturing Company, Minneapolis, Minn. Ready-made interliners for outdoor garments. Serial No. 525,575, Oct. 4. Class 39.
Fact Corporation, The, Meadville, Pa. Orchard hoes. Serial No. 557,082, Oct. 4. Class 23.
Fairmont Canning Company, Fairmont, Minn. Canned vegetables. Serial No. 546,689, Oct. 4. Class 46.
Fishocrat Creations: *See*—
Cummins, George A.
Fitchburg Paper Company, Fitchburg, Mass. Printing and converting papers. Serial No. 563,733, Oct. 4. Class 37.
Fitzgerald Manufacturing Company, The, Torrington, Conn. Cylinder head and manifold gaskets. Serial No. 565,182, Oct. 4. Class 35.
Flavour Candy Company, The, Chicago, Ill. Candy. Serial No. 549,796, Oct. 4. Class 46.
Fleischaker and Baum Division of Noma Electric Corporation: *See*—
Noma Electric Corporation.
Fleming, Frank W., Long Beach, N. Y. Flowers and confections. Serial No. 564,615, Oct. 4. Class 50.
Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.
Food Machinery Corporation, San Jose, Calif., now by merger Food Machinery and Chemical Corporation. Sulphur. Serial No. 546,692, Oct. 4. Class 6.
Franco-Italian Packing Company, Terminal Island, Calif. Canned tuna. Serial No. 534,526, Oct. 4. Class 46.
French, R. T., Company, The, Rochester, N. Y. Bird food and pet supplies. Serial No. 524,451, Oct. 4. Class 46.
Friedberg, Leonard, New York, N. Y. Rouge, face powder, perfume, etc. Serial No. 566,703, Oct. 4. Class 6.
Frito Company, The, Dallas, Tex. Candy, shelled salted peanuts, and corn chips. Serial No. 552,140, Oct. 4. Class 46.
Fritzsche Tire & Reliner Company, Chicago, Ill. Tire and tube repair patches. Serial No. 523,256, Oct. 4. Class 35.
Fruit Belt Preserving Company, East Williamson, N. Y. Sliced apples. Serial No. 532,582, Oct. 4. Class 46.
Gastwirth Bros., New York, N. Y., and Philadelphia, Pa. Girls' and children's coats. Serial No. 558,485, Oct. 4. Class 39.
Gebauer Chemical Company, The, Cleveland, Ohio. Ethyl chloride, phenyl mercuric chloride, and tannic acid. Serial No. 567,692, Oct. 4. Class 6.
Genatosan Limited, Loughborough, England. Dietetic foods. Serial No. 546,385, Oct. 4. Class 46.
General Crushed Stone Co., The, Easton, Pa. Bituminous concrete material. Serial No. 556,433, Oct. 4. Class 12.
Generator & Armatures Co.: *See*—
Arrow Armatures Company.
Geometric Tool Company, The, New Haven, Conn. Taps, dies, die-heads, etc. Serial No. 556,957, Oct. 4. Class 23.

Gibraltar Floors, Inc., Detroit, Mich. Prepared materials. Serial No. 554,560, Oct. 4. Class 12.
Gibraltar Floors, Inc., Detroit, Mich. Prepared dry material. Serial No. 554,561, Oct. 4. Class 12.
Gold, Ira, assignor to Atlas Toy Company, Chicago, Ill. Toy miniature hand operated phonographs. Serial No. 550,320, Oct. 4. Class 22.
Goodding, R. A., College Point, N. Y. Liniment. Serial No. 567,737, Oct. 4. Class 6.
Gora-Lee Corporation, The, Stratford, Conn. Nonmetallic washers for nails, tacks, and screws. Serial No. 548,252, Oct. 4. Class 35.
Gordon Baking Co., Detroit, Mich. Bread, rolls, and coffee cakes. Serial No. 521,877, Oct. 4. Class 46.
Gosse, F. A., Company, Seattle, Wash. Canned salmon. Serial No. 560,403, Oct. 4. Class 46.
Gould, William L., Albany, N. Y. Cleaner for typewriter type. Serial No. 552,452, Oct. 4. Class 4.
Grant, W. T., Company, New York, N. Y. Bicycle tires and tubes. Serial No. 563,612, Oct. 4. Class 35.
Greene, Tweed & Co., North Wales, Pa. Packing for the wearing and bearing parts of machines. Serial No. 564,620, Oct. 4. Class 35.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Liquid preparation for dyeing shoes. Serial No. 547,335, Oct. 4. Class 6.
Grove, M. J., Lime Company of Frederick County, The, Lime Kiln, Md. Lime. Serial No. 546,151, Oct. 4. Class 12.
Guarantee Manufacturing Co.: *See*—
Schiffmann, Robert P.
Gyro International, Cleveland, Ohio. Stimulating and maintaining interest in public affairs, citizenship, and civic and community activities among the members, etc. Serial No. 577,185, Oct. 4. Class 50.
Haas-Miller Corporation, Philadelphia, Pa. Reddish amber liquid of oleaginous nature. Serial No. 560,105, Oct. 4. Class 15.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory material. Serial No. 542,810, Oct. 4. Class 12.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. Serial No. 555,031, Oct. 4. Class 12.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. Serial No. 555,943, Oct. 4. Class 12.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Wheeled vehicles. Serial No. 532,977, Oct. 4. Class 22.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Sidewalk bicycles, velocipedes, and parts therefor. Serial No. 543,294, Oct. 4. Class 22.
Hat Corporation of America, Norwalk, Conn. Felt, cloth, and straw hats for women. Serial No. 543,445, Oct. 4. Class 39.
Hefti, F., & Co. A. G., Hatsingen, Switzerland. Wearing apparel. Serial No. 535,320, Oct. 4. Class 39.
Hemming, Thomas, & Son Limited, Redditch, England. Fish hooks. Serial No. 550,808, Oct. 4. Class 22.
Hendey Machine, The, Torrington, Conn. Lathes, shapers, milling machines, and centering machines. Serial No. 563,998, Oct. 4. Class 23.
Hickey Sales Company: *See*—
Kleinberg, Harry I.
Hinsdale Manufacturing Company, Chicago, Ill. Tools. Serial No. 555,410, Oct. 4. Class 23.
Holland-Colombo Trading Society, Inc., Dover, Del., and New York, N. Y. Oil burners. Serial No. 543,606, Oct. 4. Class 34.
Holli-Ware Company, Chicago, Ill. Brass and copper hollow ware. Serial No. 509,657, Oct. 4. Class 13.
Houghton, E. F., & Co., Philadelphia, Pa. Fuel oil sludge dispersing chemical agent. Serial No. 569,068, Oct. 4. Class 6.
House of Westmore, Inc., New York, N. Y., and elsewhere in the United States. Lipsticks. Serial No. 522,334, Oct. 4. Class 6.
Howell, R. R., Co., Minneapolis, Minn. Grain distributors. Serial No. 492,057, Oct. 4. Class 23.
Hubinger Company, The, Keokuk, Iowa. Liquid starch for laundering. Serial No. 563,479, Oct. 4. Class 6.
Hughes-Consolidated, Inc., Newark, N. J. Golf bags. Serial No. 563,679, Oct. 4. Class 22.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 557,849, Oct. 4. Class 22.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. Serial No. 558,392, Oct. 4. Class 22.
Independent Milwaukee Brewery, Milwaukee, Wis. Beer. Serial Nos. 560,705–6, Oct. 4. Class 48.
Insulated Window Company of America, Minneapolis, Minn. Insulating window assemblies. Serial No. 547,993, Oct. 4. Class 12.
Ireland, D. J., doing business as The Delaware Punch Bottling Company, Waco, Tex. Maltless soft drinks and carbonated waters. Serial No. 556,014, Oct. 4. Class 45.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Sprocket drive chains. Serial No. 535,710, Oct. 4. Class 23.
Jenney Manufacturing Company, Boston, Mass. Petroleum products. Serial No. 535,535, Oct. 4. Class 15.
Jensen, Georg, Inc., New York, N. Y. Goods made wholly or in part of crockery or porcelain. Serial No. 504,362, Oct. 4. Class 30.
Jensen, Poul V., Copenhagen, Denmark. Safety razors and safety razor blades. Serial No. 554,675, Oct. 4. Class 23.
Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfumes, toilet water, cold cream, etc. Serial No. 549,153, Oct. 4. Class 6.
Johnson & Johnson, New Brunswick, N. J. Liquid adhesive. Serial No. 568,625, Oct. 4. Class 5.
Johnson & Johnson, New Brunswick, N. J. Soap. Serial No. 568,627, Oct. 4. Class 4.
Jones Dairy Farm, Fort Atkinson, Wis. Ham. Serial No. 540,192, Oct. 4. Class 46.
Kalamazoo Pant Company, Kalamazoo, Mich. Boys', juniors', and juvenile pants, slacks, knickers, shorts, overalls, etc. Serial No. 538,548, Oct. 4. Class 39.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Paper wash cloths. Serial No. 563,189, Oct. 4. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Paper vegetable row covering. Serial No. 563,192, Oct. 4. Class 37.
Kanotex Refining Company, The, Arkansas City, Kans. Gasoline, naphtha, kerosene, etc. Serial No. 542,951, Oct. 4. Class 15.
Karahadian, Kay, Los Angeles and Thermal, Calif. Fresh grapes. Serial No. 561,673, Oct. 4. Class 46.
Karstens, Robert H., Pasadena, Calif. Cut and potted natural roses. Serial No. 535,048, Oct. 4. Class 1.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. Serial No. 545,130, Oct. 4. Class 46.
Kelly, William, Milling Company, The, Hutchinson, Kans. Wheat flour. Serial No. 545,132, Oct. 4. Class 46.
Kennedy, David E., Inc., Brooklyn, N. Y. Finned tubing. Serial No. 555,108, Oct. 4. Class 34.
Kimel Shoe Company, Inc., Boston, Mass. Women's shoes. Serial No. 556,586, Oct. 4. Class 39.
King Pharr Canning Operations, Inc., Laurel, Miss. Canned vegetables. Serial No. 561,387, Oct. 4. Class 46.
Kleinberg, Harry I., doing business under the assumed name of Hickey Sales Company, Pittsburgh, Pa. Glass tableware. Serial No. 542,851, Oct. 4. Class 33.
Koenig, Harry D., & Co., Inc., doing business under the name of Anre, New York, N. Y. Hormone cream for scalp and hair. Serial No. 569,381, Oct. 4. Class 6.
Koller & Smith Co., Inc., New York, N. Y. File cards and folders. Serial No. 562,714, Oct. 4. Class 37.
Kromex Corporation, Cleveland, Ohio. Cover and plate for serving and keeping cakes fresh. Serial No. 543,856, Oct. 4. Class 13.
Lady Leisure, Inc., Rochester, N. Y. Jellies. Serial No. 543,814, Oct. 4. Class 46.
Lamb Fruit Company, The, Yakima, Wash. Fresh deciduous fruits. Serial No. 557,363, Oct. 4. Class 46.
Landis & Gyr A. G., Zug, Switzerland. Electricity measuring instruments. Serial No. 550,525, Oct. 4. Class 26.
Langley Corporation, San Diego, Calif. Fishing reels. Serial No. 522,954, Oct. 4. Class 22.
Lawyer, C. Ray, Berkeley, Calif. Men's, women's, boys', and girls' hats, leather gloves, and leather chap suits. Serial No. 563,422, Oct. 4. Class 39.
Lehn & Fink Products Corporation, Bloomfield, N. J. Rouge, lipstick, powder sachet, etc. Serial No. 555,278, Oct. 4. Class 6.
Liberty Bottling Company: *See*—
Lotti, Henry.
Linde Air Products Company, The, New York, N. Y. Machines for the flame working of metals. Serial No. 536,478, Oct. 4. Class 34.
Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Electrical water tank heating apparatus. Serial No. 555,545, Oct. 4. Class 21.
Lindsay Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. Serial Nos. 562,212–13, Oct. 4. Class 46.
Livingston & Livingston, New York, N. Y. Ladies', misses', and girls' blouses and waists. Serial No. 550,526, Oct. 4. Class 39.
Lonergan Manufacturing Company, Albion, Mich. Space heaters. Serial No. 532,837, Oct. 4. Class 34.
Lotti, Henry, doing business as Liberty Bottling Company, Memphis, Tenn. Nonalcoholic, maltless, soft drinks. Serial No. 470,204, Oct. 4. Class 45.
Lowellite, Inc., New York, N. Y. Rayon flocked fabrics. Serial No. 520,047, Oct. 4. Class 42.
Luminator, Inc., Chicago, Ill. Lensed light transmissive paneling, lensed glassware, and lensed plastic ware. Serial No. 555,547, Oct. 4. Class 34.
Luxra Company, Atchison, Kans. Automatic instantaneous gas fired water heaters. Serial No. 546,503, Oct. 4. Class 34.
M. A. D. Products, Inc., Ramsey, N. J. Rouge, face powder, perfume, etc. Serial No. 569,325, Oct. 4. Class 6.
M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. Serial No. 547,018, Oct. 4. Class 39.
M. & S. Doll Co., New York, N. Y. Dolls. Serial No. 547,135, Oct. 4. Class 22.
Marquette Manufacturing Co, Inc., Minneapolis, Minn. Oxy-acetylene welding and cutting equipment. Serial No. 531,344, Oct. 4. Class 34.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric switch mechanisms, etc. Serial No. 549,644, Oct. 4. Class 21.
Mead Specialties Company, Inc., Chicago, Ill. Compressed air-operated hammers, presses, punches, etc. Serial No. 553,204, Oct. 4. Class 23.
Meinecke & Company, New York, N. Y. Surgeon's gloves, clinical thermometers, paper mortuary gowns, etc. Serial No. 545,021, Oct. 4. Class 44.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Dihydrocodeinone bitartrate. Serial No. 557,059, Oct. 4. Class 6.
Mexico Refractories Company, Mexico, Mo. Castable refractory materials. Serial No. 541,863, Oct. 4. Class 12.
Mexico Refractories Company, Mexico, Mo. Jointing material. Serial No. 565,843, Oct. 4. Class 12.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Bottle washing machines, bottle filling machines and pasteurizers. Serial No. 514,212, Oct. 4. Class 23.
Miami Margarine Company, The, Cincinnati, Ohio. Margarine. Serial No. 562,591, Oct. 4. Class 46.
Midgage Models, Inc., Portsmouth, R. I. Toys. Serial No. 504,123, Oct. 4. Class 22.
Mid-States Gummed Paper Co., Chicago Ill. Gummed tape. Serial No. 560,280, Oct. 4. Class 5.
Moak Machine & Tool Company, Port Huron, Mich. Woodworking machinery, and work checking and holding fixtures. Serial No. 553,960, Oct. 4. Class 23.
Modell, Henry, & Co., Inc., New York, N. Y. Canvas army cots, steel folding cots, lawn furniture, etc. Serial No. 541,159, Oct. 4. Class 32.
Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Children's tricycles, scooters, pedal cars, etc. Serial No. 557,458, Oct. 4. Class 22.
Moore's of Ohio: *See*—
Moore, William S.
Morey Mercantile Company, The, Denver, Colo. Jelly powders, bars of chocolate, barley, etc. Serial No. 557,148, Oct. 4. Class 46.
Moto-Sway Corporation of America, South Pasadena, Calif. Radiator flushing compound. Serial No. 548,985, Oct. 4. Class 6.
Moto-Sway Corporation of America, South Pasadena, Calif. Cleaning compound. Serial No. 548,987, Oct. 4. Class 4.
Mountain View Fruit Association, Upland, Calif. Fresh citrus fruits. Serial No. 545,592, Oct. 4. Class 46.
Mountain View Fruit Association, also doing business as Mountain View Orange and Lemon Growers Association, Upland, Calif. Fresh citrus fruits. Serial No. 545,593, Oct. 4. Class 46.
Mountain View Orange and Lemon Growers Association: *See*—
Mountain View Fruit Association.
Multiple V-Belt Drive and Mechanical Power Transmission Association, Chicago, Ill. Driving belts for machinery. Serial No. 566,075, Oct. 4. Class 35.
Mutual Buying Syndicate, Inc., New York, N. Y. Hosiery. Serial No. 549,742, Oct. 4. Class 39.
Naas Corporation of Indiana, The, Portland, Ind. Tomato catsup, chili sauce, etc. Serial No. 533 349, Oct. 4. Class 46.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Spray type liquid insecticide. Serial No. 566,831, Oct. 4. Class 6.
Natelson, Alvin, Amityville, Long Island, N. Y. Men's, women's, boys' and girls' pajamas. Serial No. 556,272, Oct. 4. Class 39.
Newberry, J. J., Co., New York, N. Y. Silk, velvet, cotton, etc. ribbons, blankets, sheets, etc. 572,318, Oct. 4. Class 42.
Newberry, J. J., Co., New York, N. Y. Textile fabrics in the piece. Serial No. 572,319, Oct. 4. Class 42.
New England Provision Co., Inc. Boston, Mass. Frankfurts, beef sausage, pork sausage, etc. Serial No. 528,141, Oct. 4. Class 46.
New Process Company, Warren, Pa. Sporting goods. Serial No. 540,095, Oct. 4. Class 22.
New York Quinine & Chemical Works, Inc., Brooklyn, N. Y. Medicinal and industrial chemicals. Serial No. 569,464, Oct. 4. Class 6.
Niagara Fire Insurance Company, New York, N. Y. Underwriting of the following classes of insurance; fire insurance, etc. Serial No. 532,479, Oct. 4. Class 55.
Nicolaisen, Harald K., doing business as California Supply Company, San Francisco, Calif. Tomato catsup and canned tomatoes. Serial No. 558,236, Oct. 4. Class 46.
Noma Electric Corporation, doing business as Fleischaker and Baum Division of Noma Electric Corporation, New York, N. Y. Dolls and layettes for dolls. Serial No. 553,211, Oct. 4. Class 22.
Nopco Chemical Company, Harrison N. J. Sulfonated oils. Serial No. 529,812, Oct. 4. Class 6.
North American Cement Corporation, New York, N. Y. Hydraulic cement. Serial No. 554,250, Oct. 4. Class 12.
Nutone, Inc., Chicago, Ill. Chime signal devices. Serial No. 549,367, Oct. 4. Class 21.
Oakite Products, Inc., New York, N. Y. Cleaning preparations. Serial No. 548,675, Oct. 4. Class 4.
Oberman & Company, New York, N. Y. Piece goods. Serial No. 557,462, Oct. 4. Class 42.
O-Cedar Corp'n, Chicago, Ill. Dust mops. Serial No. 541,766, Oct. 4. Class 20.
Orange County Valencia Association, Anaheim, Calif. Fresh citrus fruits. Serial No. 546,784, Oct. 4. Class 46.
Orange Smile Sirup Company, St. Louis, Mo. Nonalcoholic maltless beverages. Serial No. 523,854 Oct. 4. Class 45.
Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. Serial No. 554,589, Oct. 4. Class 17.
Paragon Spring Company, Chicago, Ill. Springs for all purpose mechanical uses. Serial No. 533,605, Oct. 4. Class 13.
Parker Brothers, Inc., Salem, Mass. Board game. Serial No. 530,673, Oct. 4. Class 22.
Parker Brothers, Inc., Salem, Mass. Competitive card game. Serial No. 549,327, Oct. 4. Class 22.
Parker Brothers, Inc., Salem, Mass. Board game. Serial No. 549,328, Oct. 4. Class 22.
Parker Brothers, Inc., Salem, Mass. Game. Serial No. 564,016 Oct. 4. Class 22.
Patent Scaffolding Co. Inc., The, Long Island City, N. Y. Scaffolds. Serial No. 555,899, Oct. 4. Class 50.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Material of construction. Serial No. 543,214, Oct. 14. Class 12.
Permanente Metals Corporation, The, Oakland, Calif. Hydrated lime, hydrated dolomite and phosphatic fertilizers. Serial No. 551,583, Oct. 4. Class 10.
Phillips Petroleum Company, Bartlesville, Okla. Gasoline, lubricating motor oils, grease compounds, etc. Serial No. 542,164, Oct. 4. Class 15.
Phillips Petroleum Company, Bartlesville, Okla. Gasoline and lubricating oil. Serial No. 558,977, Oct. 4. Class 15.
Princess Peggy, Inc., Peoria, Ill. Ready-to-wear cotton dresses. Serial No. 555,077, Oct. 4. Class 39.
Production Enterprises, Inc., Brooklyn, and New York, N. Y. Play desk. Serial No. 554,410, Oct. 4. Class 22.
Quaker Chemical Products Corpartion, Conshohocken, Pa. Lubricating oils and greases; cutting oils for cooling and lubricating, etc. Serial No. 535,876, Oct. 4. Class 15.
Quaker Oats Company, The, Chicago, Ill. Tetrolydrofurfuryl alcohol. Serial No. 562,403, Oct. 4. Class 6.
Quaker Oats Company, The, Chicago, Ill. Dog food. Serial No. 562,955, Oct. 4. Class 46.
Radio Frequency Laboratories, Inc., Boonton, N. J. Measuring and testing apparatus. Serial No. 556,126, Oct. 4. Class 26.
Ralston Purina Company, St. Louis, Mo. Treatment for roundworms and an additive appetiser to feed for poultry. Serial No. 553,903, Oct. 4. Class 6.
Randall Mills Corp., Paramount, Calif. Agricultural minerals. Serial Nos. 561,682–3, Oct. 4. Class 10.
Rathborne, Hair & Ridgway Company, Chicago, Ill. Pallets. Serial No. 540,107, Oct. 4. Class 50.
Red Jacket Coal Sales Company, Columbus, Ohio. Coal-fired space heaters and cooking ranges, automatic stokers, etc. Serial No. 551,657, Oct. 4. Class 34.
Reimer, Harry, and Company, Phoenix, Ariz. Fresh vegetables. Serial No. 536,954, Oct. 4. Class 46.
Renold and Coventry Chain Company, Limited, The, Manchester, England. Power transmission chains. Serial No. 556,817, Oct. 4. Class 23.
Republic Gear Company, Detroit, Mich. Differential mechanisms and parts thereof, gears and pinions, etc. Serial No. 560,659, Oct. 4. Class 23.
Revelation Blouse Corp., New York, N. Y. Ladies' blouses, slacks and playsuits. Serial No. 549,389, Oct. 4. Class 39.
Ribbonwriter Corporation of America, Fort Lauderdale, Fla. Typewriter ribbons. Serial No. 562,959, Oct. 4. Class 11.
Rima Model Gowns, Limited, London, England. Women's dresses, jumper suits, costumes, and coats. Serial No. 556,287, Oct. 4. Class 39.
Roberts, Bob: *See*—
Roberts, Robert J.
Roberts, Robert J., doing business as Bob Roberts, Gary, Ind. Propellers for toy power driven airplanes. Serial No. 519,137, Oct. 4. Class 22.
Rochelle Furniture Mfg. Co., Rochelle, Ill. Baby beds, high chairs and nursery training chairs. Serial No. 556,486, Oct. 4. Class 32.
Rochester Ropes, Inc., Culpeper, Va. Plastic coated ropes, strands, and cords. Serial No. 568,902, Oct. 4. Class 7.
Rocket Implement Co., Inc., Clearwater, Calif. Offset disc harrows. Serial No. 536,137, Oct. 4. Class 23.
Rockwell Silver Company, The, Meriden, Conn. China plates and china bowls. Serial No. 510,727, Oct. 4. Class 30.
Rockwell Silver Company, The, Meriden, Conn. Glass plates and glass bowls. Serial No. 510,728, Oct. 4. Class 33.
Rosen-Edelstein, Inc., New York, N. Y. Misses' coats and suits. Serial No. 558,067, Oct. 4. Class 39.
Rothschild, Lee, doing business as Corona Soapcrafters, Redlands, Calif. Bar soap. Serial No. 547,773, Oct. 4. Class 4.
Rugg, R. T., Company, The, Newark, Ohio. Lawn mowers. Serial No. 558,248, Oct. 4. Class 23.

St. James's Tobacco Company Limited, London, England. Smoking tobacco and cigarettes. Serial No. 553,988, Oct. 4. Class 17.
Sales Affiliates, Inc., New York, N. Y. Hair dyes. Serial No. 565,458, Oct. 4. Class 6.
Sanitary Hatchery: *See*—
Schletinger, Carl G.
Sarchio, Steve C., Garfield, N. J. Liniment for external use. Serial No. 564,681, Oct. 4. Class 6.
Scherer, R. P., Corporation, Detroit, Mich. Capsulated vitamin preparations, etc. Serial No. 563,024, Oct. 4. Class 6.
Schletinger, Carl G., doing business as Sanitary Hatchery, Weimar, Tex. Baby chicks. Serial No. 537,082, Oct. 4. Class 1.
Schiffmann, Robert P., doing business as Guarantee Manufacturing Co., Chicago, Ill. Artificial fish lures. Serial No. 560,057, Oct. 4. Class 22.
Scully Rubber Mfg. Co., Baltimore, Md. Non-metallic faucet washers. Serial No. 565,967, Oct. 4. Class 35.
Seabrook Farms Co.: *See*—
Deerfield Packing Corporation.
Sears, Roebuck and Co., Chicago, Ill. Electric domestic refrigerators. Serial No. 559,350, Oct. 4. Class 31.
Sealic, Inc.: *See*—
Sealic, Incorporated.
Sealic, Incorporated, doing business as Sealic, Inc., Chicago, Ill. Natural and imitation spices; seasonings; anti-oxidant cooking oil, etc. Serial No. 524,627, Oct. 4. Class 46.
See-Jay Exterminating Service, Inc., Oklahoma City, Okla. Insect exterminating powder. Serial No. 565,968, Oct. 4. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. Serial No. 563,769, Oct. 4. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Adjunctive dietary supplement. Serial No. 567,213, Oct. 4. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation useful in protein therapy. Serial No. 567,214, Oct. 4. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Veterinary anthelmintic. Serial No. 560,397, Oct. 4. Class 6.
Shemeld Steel Corporation, Kansas City, Mo. Steel alloy grinding balls. Serial No. 539,069, Oct. 4. Class 23.
Sherman Products, Inc., Royal Oak, Mich. Auxiliary transmissions for tractors. Serial No. 548,190, Oct. 4. Class 23.
Simons & French Company, Incorporated, New York, N. Y., and Sacramento, Calif. Fresh grapes. Serial No. 526,306, Oct. 4. Class 46.
Simplex, Inc., Marshfield, Wis. Barn and barnyard equipment. Serial No. 538,318, Oct. 4. Class 12.
Simplot Western Idaho Produce, Inc., Caldwell, Idaho. Fresh lettuce. Serial No. 549,015, Oct. 4. Class 46.
Societe Anonyme Urachimie, Societe Henry Rogier, Paris, France. Urinary antiseptics, and preparations for the treatment of arthritis, etc. Serial No. 569,644, Oct. 4. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland, now by change of name Ciba Limited. Neurospasmodic. Serial No. 484,657, Oct. 4. Class 6.
South Bend Bait Company, South Bend, Ind. Fishing reels, fishing reels, fishing lines, and artificial fish baits and lures. Serial No. 539,571, Oct. 4. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Skis and ski poles. Serial No. 580,153, Oct. 4. Class 22.
Spalding Brothers, Inc., Ponder, Tex. Anti-freeze. Serial No. 566,181, Oct. 4. Class 6.
Spencer Shoe Corporation, Boston, Mass. Shoes, slippers, and moccasins, etc. Serial No. 552,095, Oct. 4. Class 39.
Stackpole Carbon Company, St. Marys, Pa. Powdered mixed ferrites. Serial No. 560,729, Oct. 4. Class 1.
Standard Candy Company, Nashville, Tenn. Candy. Serial No. 562,414. Oct. 4. Class 46.
Standard Electric Manufacturing Company, West Berlin, N. J. Centrifugal pumps, water circulators and water pumps. Serial No. 531,858, Oct. 4. Class 23.
Stanford, Alfred, Essex, Conn. Fresh apples. Serial No. 558,530, Oct. 4. Class 46.
Stein, Lawrence M., Company, Chicago, Ill. Electrically operated clothes pressing irons. Serial No. 559,257, Oct. 4. Class 21.
Stratton & Terstegge Company, Louisville, Ky. Tackle boxes. Serial No. 553,650, Oct. 4. Class 22.
Stroh Brewery Company, The, Detroit, Mich. Beer. Serial No. 568,006, Oct. 4. Class 46.
Takaki, Ralph N., doing business as Takaki Sanyo-Do, Honolulu, Hawaii. Barbecue soy sauce. Serial No. 524,429, Oct. 4. Class 46.
Takaki Sanyo-Do: *See*—
Takaki, Ralph N.
Tappan Stove Company, The, Mansfield, Ohio. Dials and cooperating charts. Serial No. 550,846, Oct. 4. Class 26.
Tawil, Meyer, New York, N. Y. Children's dresses. Serial No. 560,064, Oct. 4. Class 39.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,433, Oct. 4. Class 17.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,461, Oct. 4. Class 17.
Tea Garden Products Co., San Francisco, Calif. Table syrup. Serial No. 555,321, Oct. 4. Class 46.
Thoro Products Co., Denver, Colo. Dry cleaning fluid. Serial No. 567,159, Oct. 4. Class 4.
Tobia, R. E., Tobacco Co., Detroit, Mich. Pipe tobacco. Serial No. 553,755, Oct. 4. Class 17.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hose nozzle control valve. Serial No. 528,659, Oct. 4. Class 13.
Triangle Rubber Co., Inc., New York, N. Y. Belting, hose, machinery packing. Serial No. 556,852, Oct. 4. Class 35.
Trufilite Co., The: *See*—
Cutts, Richard M.
Trystan Game Company, Reno, Nev. Card game. Serial No. 554,431, Oct. 4. Class 22.
Tull, H. P., & Company, Kingston, Md. Canned tomatoes. Serial No. 558,084, Oct. 4. Class 46.
U. S. Manufacturing Corporation, Decatur, Ill. Devices for killing and disabling insects, flies, and the like. Serial No. 542,699, Oct. 4. Class 50.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 541,223, Oct. 4. Class 22.
Upjohn Company, The, Kalamazoo, Mich. Repository medicinal preparation. Serial No. 566,902, Oct. 4. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 566,903, Oct. 4. Class 6.
Van Brode Milling Co., Inc., Clinton, Mass. Cereal breakfast foods. Serial No. 550,760, Oct. 4. Class 46.
Virdans Farms, Phelps, N. Y. Fertiliser for house plants. Serial No. 552,290, Oct. 4. Class 10.
Vitaminerals, Inc., Los Angeles, Calif. Nutritional supplement. Serial No. 527,632, Oct. 4. Class 46.
W-L Molding Company, The, Kalamazoo, Mich. Electric switch plates and electric wall outlet plates. Serial No. 546,127, Oct. 4. Class 21.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap fasteners, snap fastener tape, hooks and eyes, etc. Serial No. 515,922, Oct. 4. Class 40.
Walker, William L., Athens, Ga. Catapults. Serial No. 559,195, Oct. 4. Class 22.
Ward Green Company, New York, N. Y. Abdominal supports. Serial No. 538,831, Oct. 4. Class 44.
Warner-Patterson Company, Chicago, Ill. Non-metallic sealing material. Serial No. 552,293, Oct. 4. Class 6.
Waterbury Mattress Co., The, Waterbury, Conn. Box springs, mattresses, and divans. Serial No. 541,237, Oct. 4. Class 32.
Waterman, L. E., Company, New York, N. Y. Fountain pens, mechanical pencils, and parts thereof. Serial No. 509,185, Oct. 4. Class 37.
Watson, John Warren, Company, Philadelphia, Pa. Dry compounds. Serial No. 556,300, Oct. 4. Class 15.
Weber and Heilbroner, Inc., New York, N. Y. Men's shirts, suits, socks, and hats. Serial No. 584,845, Oct. 4. Class 39.
Webster-Chicago Corporation, Chicago, Ill. Electrical apparatus. Serial No. 560,850, Oct. 4. Class 21.
Weinrott, George H., & Company, Philadelphia, Pa. Concrete buildings and prefabricated component parts of reinforced concrete; utility rooms; girders, etc. Serial No. 545,804, Oct. 4. Class 12.
Weltsman, Adolph, New York, N. Y. Sheets of plastic material. Serial No. 552,403, Oct. 4. Class 50.
Western Auto Supply Company, also doing business as Western Auto Stores, Kansas City, Mo. Vehicle tires. Serial No. 542,233, Oct. 4. Class 35.
Western Products, Inc., Newark, Ohio. Rigid and semi-rigid sheets. Serial No. 509,869, Oct. 4. Class 1.
Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,110, Oct. 4. Class 37.
White, Abe J., Houston, Tex. Preparation for cleaning and polishing false teeth, dental plates, and dental bridgework. Serial No. 542,554, Oct. 4. Class 4.
Whitehouse Products, Inc., Brooklyn, N. Y. Cameras, flash attachments, and camera cases. Serial No. 527,452, Oct. 4. Class 28.
Whiting, George A., Paper Co., Menasha, Wis. Paper for offset and letter press printing. Serial No. 583,511, Oct. 4. Class 37.
Wilbourn's Incorporated, Morgantown, W. Va. Fresh fruits and vegetables. Serial No. 559,874, Oct. 4. Class 46.
Willey, Francis, and Co.: *See*—
Winslow Bros. & Smith Co.
Williams, Art, Des Moines, Iowa. Artificial fish bait. Serial No. 549,101, Oct. 4. Class 22.
Williams, Edward R., doing business as Creative Chemical Company, Pittsburgh, Pa. Chemical compounds. Serial No. 551,149, Oct. 4. Class 6.
Winslow Bros. & Smith Co., Boston, Mass., doing business as Francis Willey and Co. Fibre sliver. Serial No. 560,853, Oct. 4. Class 1.
Winters, Jules H., New York, N. Y. Ladies', misses', and girls' Russian weasel fur garments. Serial No. 554,751, Oct. 4. Class 39.
Wood Fiang Corporation, Hoosick Falls, N. Y. Dry mats. Serial No. 533,814, Oct. 4. Class 50.
Yoder Die Casting, Inc., Dayton, Ohio. Zinc and aluminum die castings. Serial No. 549,688, Oct. 4. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

Adel Precision Products Corp.: *See*—
Aerco Corporation.

Advance Solvents & Chemical Corporation: *See*—
Kuttroff, Pickhardt & Co., Inc.

Aerco Corporation, Hollydale, assignor to Adel Precision Products Corp., Los Angeles, Calif. Farm tractors and a pressure type mixing machine or applicator. 443,421, Oct. 4; Serial No. 506,150, published June 28, 1949. Class 23.

Aerol Co.: *See*—
Gaines, Frank M.

Aerol Co. Inc.: *See*—
Gaines, Frank M.

Airtite Products Company: *See*—
Divisia, Joseph.

Allied Chemical & Dye Corporation: *See*—
Barrett Company, The.
Logan-Long Company, The.

Allied Stores Corporation, New York, N. Y. Writing paper, mailing envelopes, printing paper, and correspondence cards. 441,099, Oct. 19, 1948. Republished Oct. 4. Class 37.

All-State Welding Alloys Co., Inc., White Plains, N. Y. Brazing metal. 516,030, Oct. 4; Serial No. 556,860, published May 24, 1949. Class 14.

Alse S. A.: *See*—
Du Pont Rayon Company.

Altarman, Norman B., doing business as T & T Company, Peekskill, N. Y. Foot ointment and lotion. 516,059, Oct. 4; Serial No. 563,387, published June 28, 1949. Class 6.

Altman, B., & Co., New York, N. Y. Upholstered furniture. 118,732, Oct. 2, 1917. Republished Oct. 4. Class 32.

American Agricultural Chemical Company, The, to The American Agricultural Chemical Company, New York, N. Y. Guano, commercial fertilisers, and limestone. 264,116, renewed Nov. 19, 1949. O. G. Oct. 4. Class 10.

American Aniline Products, Inc., New York, N. Y. Waterproofing and water-repelling agents. 351,194, Oct. 19, 1937. Republished Oct. 4. Class 6.

American Aniline Products, Inc., New York, N. Y. Dyestuffs. 355,249, Mar. 8, 1938. Republished Oct. 4. Class 6.

American Aniline Products, Inc., New York, N. Y. Chemicals. 358,122, June 28, 1938. Republished Oct. 4. Class 6.

American Aniline Products, Inc., New York, N. Y. Dyes. 358,123, June 28, 1938. Republished Oct. 4. Class 6.

American Aniline Products, Inc., New York, N. Y. Finishing chemical compounds. 373,011, Nov. 21, 1939. Republished Oct. 4. Class 6.

American Beverage Corporation, Brooklyn, N. Y. Carbonated beverage. 515,907, Oct. 4; Serial No. 541,628, published May 31, 1949. Class 45.

American Beverage Corporation, Brooklyn, N. Y. Carbonated beverages. 515,942, Oct. 4; Serial No. 545,808, published May 31, 1949. Class 45.

American Chain & Cable Company, Inc.: *See*—
Page Steel and Wire Company.

American Company of Arkansas, to E. S. Carmack, doing business as Zip Manufacturing Company, Little Rock, Ark. Insecticides. 258,863, renewed July 2, 1949. O. G. Oct. 4. Class 6.

American Laundry Machinery Company, The, Cincinnati, Ohio. Dry-cleaning mechanism and apparatus. 515,881, Oct. 4; Serial No. 535,371, published June 14, 1949. Class 24.

American Metalcraft Corporation, Detroit, Mich. Safety extension lighters. 516,120, Oct. 4; Serial No. 553,798. Class 34.

American Metalcraft Corporation, Detroit, Mich. Safety extension lighters. 516,121, Oct. 4; Serial No. 553,800. Class 34.

American Oil Works Co., to Pennsylvania Refining Company, Titusville, Pa. Lubricating oils and greases. 263,882, renewed Nov. 12, 1949. O. G. Oct. 4. Class 15.

American Pulley Company, The, Philadelphia, Pa. Hand trucks. 516,019, Oct. 4; Serial No. 554,849, published July 5, 1949. Class 19.

American Steel Foundries, Chicago, Ill. Railway car springs, dampers, snubbers, etc. 515,943, Oct. 4; Serial No. 548,809, published June 7, 1949. Class 19.

American Steel Foundries, Chicago, Ill. Hydraulic presses. 515,967, Oct. 4; Serial No. 548,627, published June 21, 1949. Class 23.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. 516,000, Oct. 4; Serial No. 552,108, published June 14, 1949. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. 516,013, Oct. 4; Serial No. 553,664, published June 14, 1949. Class 17.

American Type Founders, Incorporated, Elizabeth, N. J. Printing type. 516,028, Oct. 4; Serial No. 556,676, published May 31, 1949. Class 14.

Angier Chemical Company, Allston and Boston, Mass. Medicinal preparations. 515,923, Oct. 4; Serial No. 544,248, published June 7, 1949. Class 6.

Antrim, C. W., & Sons, to C. W. Antrim & Sons, Richmond, Va. Coffee. 265,005, renewed Dec. 10, 1949. O. G. Oct. 4. Class 46.

Apex Hosiery Company, Philadelphia, Pa. Hosiery. 515,982, Oct. 4; Serial No. 550,289, published June 14, 1949. Class 39.

Apex Hosiery Company, Philadelphia, Pa. Hosiery. 515,983, Oct. 4; Serial No. 550,291, published June 14, 1949. Class 39.

Appley, J. W. & Son, Inc., St. Petersburg, Fla. Concrete block molding machinery. 515,848, Oct. 4; Serial No. 521,809, published June 21, 1949. Class 23.

Arctic Feather and Down Company: *See*—
Bauer, Eddie.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Shaving cream, face and bath soaps. 422,797, Aug. 13. 1946. Republished Oct. 4. Class 4.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Bath and toilet soaps. 516,043, Oct. 4; Serial No. 559,413, published June 14, 1949. Class 4.

Arick, Walter B., Fort Wayne, Ind. Printing plates. 515,847, Oct. 4; Serial No. 521,234, published June 28, 1949. Class 50.

Armour and Company: *See*—
Kaw River Valley Fertiliser Co.

Armour and Company, Chicago, Ill. Strings for bowed and fretted musical instruments. 257,652, renewed June 18, 1949. O. G. Oct. 4. Class 26.

Armour and Company, Chicago, Ill. Fertiliser. 515,858, Oct. 4; Serial No. 528,408, published June 28, 1949. Class 10.

Armour and Company, Chicago, Ill. Fertiliser. 515,861, Oct. 4; Serial No. 529,851, published June 21, 1949. Class 10.

Armour and Company, Chicago, Ill. Coated abrasive products. 515,862, Oct. 4; Serial No. 529,858, published June 14, 1949. Class 4.

Armour and Company, Chicago, Ill. Soap. 515,964, Oct. 4; Serial No. 548,456, published June 14, 1949. Class 4.

Armour and Company, Chicago, Ill. Soap. 515,965, Oct. 4; Serial No. 548,462, published June 28, 1949. Class 4.

Armour and Company, Chicago, Ill. Grit hand soap. 515,966. Oct. 4; Serial No. 548,464, published June 28, 1949. Class 4.

Armstrong Cork Company, Lancaster, Pa. Linoleum and felt base, floor and wall coverings, etc. 515,845, Oct. 4; Serial No. 506,507, published June 28, 1949. Class 20.

Associated Merchandising Corporation, The: *See*—
Associated Merchandising Corporation.

Associated Merchandising Corporation to The Associated Merchandising Corporation, New York, N. Y. Absorbents. 236,908, renewed Dec. 27, 1947. O. G. Oct. 4. Class 44.

Associated Merchandising Corporation, to The Associated Merchandising Corporation, New York, N. Y. Hosiery. 236,909, renewed Dec. 27, 1947. O. G. Oct. 4. Class 39.

Associated Press, The, New York, N. Y. Newspaper articles. 259 296, renewed July 30, 1949. O. G. Oct. 4. Class 38.

Atlas Lubricant Corporation, New Orleans, La. Motor lubricating oil. 516,106, Oct. 4; Serial No. 539,480. Class 15.

Autocrat, Inc., Dayton, Ohio. Concession signal light. 516,122, Oct. 4; Serial No. 554,203. Class 21.

Autostrop Safety Razor Co. Inc., New York, N. Y., to Gillette Safety Razor Company, Boston, Mass. Razor blades. 258,871, renewed July 2, 1949. O. G. Oct. 4. Class 23.

Azusa Citrus Associatiton, Abusa, Calif. Fresh citrus fruits. 222,348, Dec. 28, 1926. Republished Oct. 4. Class 46.

Azusa Foot-Hill Citrus Association, to Azusa Foot-Hill Citrus Company, Azusa, Calif. Oranges, grapefruit, tangerines etc. 75,921, re-renewed Nov. 30, 1949. O. G. Oct. 4. Class 46.

Azusa Foot-Hill Citrus Company: *See*—
Azusa Foot-Hill Citrus Association.

Bachmann, Robert A., by The Sanitube Company, Newport, R. I. Preparation for preventing the contraction of venereal diseases. 93,321, Sept. 9, 1913. Republished Oct. 4. Class 6.

Baker-Raulang Company, The, Cleveland, Ohio. Dumping trucks and industrial trucks. 516,052, Oct. 4; Serial No. 561,366, published July 5, 1949. Class 19.

Bakraft Products Company Muskegon, Mich. Juvenile furniture. 515,921, Oct. 4; Serial No. 544,029, published June 21, 1949. Class 32.

Baracuta, (Clothiers) Limited, Manchester, England. Clothing. 443,424, Oct. 4; Serial No. 514,097, published June 14, 1949. Class 39.

Barclay Knitwear Co., Inc., Kingston & New York N. Y. Boys' polo shirts. 515,932, Oct. 4; Serial No. 545,422, published June 14, 1949. Class 39.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Hydrocarbon oil. 259,899, renewed Aug. 13, 1949. O. G. Oct. 4. Class 6.

Bauer, Eddie doing business as Arctic Feather and Down Company, Seattle, Wash. Quilted garments. 443,417, Oct. 4; Serial No. 501,157, published May 18, 1948. Class 39.

Beasley Power Mower Co., St. Petersburg, Fla. Power operated lawn mowers. 515,871, Oct. 4; Serial No. 530,709, published June 28, 1949. Class 23.

Beiersdorf P., & Co. Inc., New York, N. Y., to P. Beiersdorf & Co. Inc., Stamford, Conn., and New York, N. Y. Soap. 264,325, renewed Nov. 26, 1949. O. G. Oct. 4. Class 4.

Belvedere Hosiery Company, Charlotte, N. C. Ladies' hosiery. 515,972, Oct. 4; Serial No. 549,112, published June 14, 1949. Class 39.

Bendiner & Schlesinger, Inc. New York, N. Y. Antiseptic suppositories, antiseptic powder, and antiseptic jelly. 264,231, renewed Nov. 19, 1949. O. G. Oct. 4. Class 6.

Best & Co. Inc., New York, N. Y. Handkerchiefs. 211,535, Apr. 13, 1926. Republished Oct. 4. Class 39.

Best & Co. Inc., New York, N. Y. Jewelry; silver dresser sets and silver tableware. 212,762 May 11, 1926. Republished Oct. 4. Class 28.

Best & Co. Inc., New York, N. Y. Woolly dogs, dolls, rattles, etc. 232,557, Sept. 13, 1927. Republished Oct. 4. Class 22.

Best & Co. Inc., New York, N. Y. Toys, games, and sporting goods. 306,339 Sept. 19 1933. Republished Oct. 4. Class 22.

Best & Co. Inc., New York, N. Y. Hosiery, leather and fabric gloves; women's, misses', and children's dresses, negligees, etc. 362,249, Nov. 15, 1938. Republished Oct. 4. Class 39.

Best & Co. Inc., New York, N. Y. Woven woolen material. 365,883, Mar. 21 1939. Republished Oct. 4. Class 42.

Best & Co. Inc., New York, N. Y. Woven woolen materials. 365,900, Mar. 21, 1939. Republished Oct. 4. Class 42.

Best & Co. Inc., New York, N. Y. Women's, misses', and children's dresses, coats, suits, etc. 381,650 Oct. 1, 1940. Republished Oct. 4. Class 39.

Best & Co. Inc., New York, N. Y. Woven woolen materials. 384,765, Feb. 4, 1941. Republished Oct. 4. Class 42.

Best & Co. Inc., New York, N. Y. Women's, misses', and children's dresses, coats, suits, etc. 390,450, Sept. 23, 1941. Republished Oct. 4. Class 39.

Best & Co. Inc., New York, N. Y. Women's, misses', and children's pocketbooks and handbags. 390,451, Sept. 23, 1941. Republished Oct. 4. Class 3.

Best & Co. Inc., New York, N. Y. Toilet water, perfume, perfume extracts, etc. 441,415 Nov. 23, 1948. Republished Oct. 4. Class 6.

Bethlehem Steel Company, Bethlehem, Pa. Metal working presses. 516,029, Oct. 4; Serial No. 556,683, published June 21, 1949. Class 23.

Bethlehem Supply Company, Tulsa, Okla. Mechanical hoists. 443,419, Oct. 4; Serial No. 503,629, published June 21 1949. Class 23.

Better-Bilt Manufacturing Company, Minneapolis, Minn. Ground engaging drag rod units. 443,426, Oct. 4; Serial No. 524,171, published June 28, 1949. Class 23.

Blenkinsop, Ward, & Company Limited, London, England. Bactericidal solutions. 516,040, Oct. 4; Serial No. 559,133, published June 21 1949. Class 6.

Blue Suds Company, Detroit, Mich. Washing compound. 516,067, Oct. 4; Serial No. 565,607, published June 14, 1949. Class 4.

Blum & Bergeron, Houma, La. Dried shrimp. 515,905, Oct. 4; Serial No. 541,500, published June 14 1949. Class 46.

Bonanni, Carmine C., doing business as Embassy Hosiery Sales, Philadelphia, Pa. Women's hosiery. 515,980, Oct. 4; Serial No. 550,115, published June 14, 1949. Class 39.

Bonat & Bonat, Inc.: *See*—
Bonat, Samuel, & Bro.

Bonat, Samuel & Bro., to Bonat & Bonat, Inc., New York, N. Y. Permanent-hair-waving pads. 256,379, renewed May 14, 1949. O. G. Oct. 4. Class 44.

Bonyface Unlimited: *See*—
Morgan, John A.

Boorum & Pease Company, Brooklyn, N. Y. Hand operated punches. 515,877, Oct. 4; Serial No. 533,132, published June 28, 1949. Class 23.

Bova, A., Manteca, Calif. Fresh grapes. 515 891, Oct. 4; Serial No. 538,339, published June 14, 1949. Class 46.

Bowsteel Distributors Corporation, Newark and Linden, N. J. Steel sheets and ferrous metal bars. 516,051, Oct. 4; Serial No. 561,072, published June 7, 1949. Class 14.

Break, Allen: *See*—
Champion Orange Company.

Breese Burners, Inc. Santa Fe, New Mexico. Oil burners and controls and spare and repair parts thereof. 516,115, Oct. 4; Serial No. 548,787. Class 34.

Brown & Green Limited, Luton, Bedfordshire, England. Power-operated pressing machines. 516,084, Oct. 4; Serial No. 502,185. Class 24.

Brown, Isabel R., doing business as Brown Merchandising Co., New York, N. Y. Educational picture disc game. 516,091 Oct. 4; Serial No. 516,887. Class 22.

Brown Merchandising Co.: *See*—
Brown, Isabel R.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigars, cigarettes, smoking tobacco, etc. 515,908, Oct. 4; Serial No. 542,079, published Aug. 24, 1948. Class 17.

Buckley, Newhall Company, The, Brooklyn N. Y. Phonographs, talking-machines, pianos, etc. 104,209–10, Oct. 19, 1915. Republished Oct. 4. Class 36.

Buckley, Newhall Company, The, Brooklyn, N. Y. Crockery and dishes. 281,853–4, Mar. 31 1931. Republished Oct. 4. Class 30.

Buckley, Newhall Company, The, Brooklyn, N. Y. Bed sheets, pillow cases, towels, etc. 360,806, Sept. 27, 1938. Republished Oct. 4. Class 42.

Buehler, H. L., Hubbard Woods, Ill. Ladies' coats suits, dresses, etc. 515,857, Oct. 4; Serial No. 527,857, published June 14, 1949. Class 39.

Bullard Clark Company, The: *See*—
Williamsville Buff Mfg. Co.

Bunting Glider Company, Philadelphia, Pa. Outdoor furniture. 515,909–10, Oct. 4; Serial Nos. 542,275–6 published June 21, 1949. Class 32.

Burnitol Manufacturing Co., Boston, Mass. Sputum cups. 516,057, Oct. 4; Serial No. 562,826, published June 7, 1949. Class 44.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation intended for local application to the nasal mucous membrane. 516,078, Oct. 4; Serial No. 567,902, published June 28, 1949. Class 6.

Bycolife Fertilizer Manufacturing Company, Clinton, S. C. Fertilizer and more especially a fertilizer containing an insecticide. 516,058, Oct. 4; Serial No. 562,978, published May 17, 1949. Class 10.

C-8 Laboratories: *See*—
Caruso, Mario.

C-Eight Laboratories: *See*—
Caruso, Mario.

Calcutta Club Products, Inc., New York, N. Y. Canned chicken. 515,979, Oct. 4; Serial No. 549,862, published June 21, 1949. Class 46.

Callaway, C. C., Jr., by National NuGrape Company, Atlanta, Ga. Non-alcoholic maltless carbonated beverages. 370,097, Aug. 15, 1939. Republished Oct. 4. Class 45.

Camerino, William R., doing business as Kut-A-Syz Manufacturing Company, New York, N. Y. Flexible rotative shaft couplings. 516,117, Oct. 4; Serial No. 549,712. Class 23.

Capezio, Inc., New York, N. Y. Women's slippers. 515,988, Oct. 4; Serial No. 550,994, published June 14, 1949. Class 39.

Carbee Tool and Manufacturing Company: *See*—
Divisia, Joseph.

Carmack, Edward S.: *See*—
American Company of Arkansas.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Steel ingots, blooms, slabs, etc. 516,074, Oct. 4; Serial No. 566,210, published June 14, 1949. Class 14.

Carson Pirie Scott & Company, Chicago, Ill. Women's and misses' hats. 263,102, renewed Oct. 29, 1949. O. G. Oct. 4. Class 39.

Caruso, Mario, Newark, N. J., assignor to C-8 Laboratories, by C-Eight Laboratories, New Bedford, Mass. Electric cigarette vending machines. 438,423, Apr. 20, 1948. Republished Oct. 4. Class 23.

Caulk, L. D., Company, The, Milford, Del. Dental supplies and appliances. 515,974, Oct. 4; Serial No. 549,396, published May 24, 1949. Class 44.

Celotex Corporation, The, Chicago, Ill. Concrete building units. 516,081, Oct. 4; Serial No. 550,119, published June 7, 1949. Class 12.

Champion Orange Company, Redlands, by Allen Break, Bryn Mawr, Calif. Fresh citrus fruits. 378,993, June 25, 1940. Republished Oct. 4. Class 46.

Chicago Specialty Manufacturing Co., Chicago, Ill. Toilet seat hinge, valve handles, radiator handles, and chrome replacement handles for faucets. 516,125, Oct. 4; Serial No. 557,592. Class 13.

Cinch Company, The, Kansas City, Mo. Non-alcoholic maltless soft drinks and syrups and extracts for making the same. 516,090, Oct. 4; Serial No. 516,007. Class 45.

Climax Manufacturing Company, Castorland, N. Y. Folding paper boxes, industrial cartons, paper and fibre drums, etc. 516,020, Oct. 4; Serial No. 555,053, published May 31, 1949. Class 2.

Clover Farm Stores: *See*—
Grocers & Producers Co., The.

Clover Farm Stores Corporation: *See*—
Grocers & Producers Co., The.

Clover Farm Stores Corporation, Cleveland, Ohio. Clothes pins. 516,017, Oct. 4; Serial No. 554,088, published June 21, 1949. Class 24.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts. 515,934, Oct. 4; Serial No. 545,702, published June 14, 1949. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars for men and boys. 515,935. Oct. 4; Serial No. 545,704, published June 14, 1949. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. 515,936–7, Oct. 4; Serial Nos. 545,705–6, published June 14, 1949. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. 515,938, Oct. 4; Serial No. 545,710, published June 14, 1949. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars for men and boys. 515,939–40, Oct. 4; Serial Nos. 545,712–13, published June 14, 1949. Class 39.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper merchandise envelopes. 516,027, Oct. 4; Serial No. 556,246, published May 31, 1949. Class 2.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 516,001, Oct. 4; Serial No. 552,121, published June 28, 1949. Class 4.

Colotryn Company, The, Seattle, Wash. Metallic molding strips and trim elements. 516,005, Oct. 4; Serial No. 552,439, published June 14, 1949. Class 12.

Combination Door Co., The, Fond du Lac, Wis. Combination storm and screen door. 516,112, Oct. 4; Serial No. 542,445. Class 12.

Continental Mills, Inc., Philadelphia, Pa. Men's, women's, boys', girls', children's, and infants' overcoats, topcoats, coats, etc. 515,968, Oct. 4; Serial No. 548,802, published June 14, 1949. Class 39.

Cooke & Cobb Company, Brooklyn, N. Y. Expanding files, letter and invoice files, etc. 217,402, Aug. 31, 1926. Republished Oct. 4. Class 37.

Coon, W. B., Company, Rochester, N. Y. Boots, shoes, and oxfords. 515,960, Oct. 4; Serial No. 547,700, published June 14, 1949. Class 39.

Courtshire Fashions, Inc., New York, N. Y. Ladies' coats, suits, jackets, and skirts. 515,992, Oct. 4; Serial No. 551,441, published June 14, 1949. Class 39.

Cowles Magazines, Inc.: *See*—
Register & Tribune Company, The.

Crane Packing Company, Chicago, Ill., and Wilmington, Calif. Grinding, polishing, and lapping machines and parts thereof. 516,046, Oct. 4; Serial No. 559,876, published June 28, 1949. Class 22.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. 516,007, Oct. 4; Serial No. 552,576, published June 7, 1949. Class 12.

Crawford Manufacturing Co., Inc., Richmond, Va. Slip covers, chair recovers, cushions, pillows, chair pads. 516,002, Oct. 4; Serial No. 552,233, published June 21, 1949. Class 32.

Crowther, John, & Sons (Milnsbridge) Limited, Huddersfield, England. Piece goods. 515,917, Oct. 4; Serial No. 543,693, published Apr. 19, 1949. Class 42.

Crowther, John, & Sons (Milnsbridge) Limited, Huddersfield, England. Piece goods. 515,918, Oct. 4; Serial No. 543,695, published Apr. 19, 1949. Class 42.

Crucible Steel Company of America, New York, N. Y. Cemented carbide cutting tool tips and cutting tools incorporating the same, etc. 516,064, Oct. 4; Serial No. 530,064, published July 5, 1949. Class 23.

D'Arrigo Bros. Company, by D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables, fresh deciduous fruits, fresh citrus fruits, etc. 361,078, Oct. 4, 1938. Republished Oct. 4. Class 46.

D'Arrigo Bros. Co. of California: *See*—
D'Arrigo Bros. Company.

Davis & Catterall, New York, N. Y. Handkerchiefs. 515,912, Oct. 4; Serial No. 542,541, published Apr. 19, 1949. Class 39.

Davison Chemical Corporation, The, Baltimore, Md. Fertilizers. 515,869, Oct. 4; Serial No. 530,474, published May 3, 1949. Class 10.

Deb Company, The, West Hartford, Conn. Air refreshant preparation. 515,922, Oct. 4; Serial No. 544,063, published June 21, 1949. Class 6.

De Laval Separator Company, The, New York, N. Y. Centrifuges other than cream separators. 443,418, Oct. 4; Serial No. 503,502, published June 28, 1949. Class 23.

Delaware Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 515,970, Oct. 4; Serial No. 548,938, published June 14, 1949. Class 39.

Demartini, John, Co.: *See*—
Demartini, John, Co. Inc.

Demartini, John, Co. Inc., to John Demartini Co., San Francisco, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh vegetables, etc. 263,407, renewed Nov. 8, 1949. O. G. Oct. 4. Class 46.

Dennis-Mitchell Industries, Philadelphia, Pa. Automobile baby seats, hammocks. 516,022, Oct. 4; Serial No. 555,378, published July 5, 1949. Class 19.

Dentists' Supply Company of New York, The, New York, N. Y. Dental articulators. 515,900, Oct. 4; Serial No. 540,791, published June 7, 1949. Class 44.

Desmond's, to Desmond's, Inc., Los Angeles, Calif. Soft felt hats for men and boys. 264,897, renewed Dec. 10, 1949. O. G. Oct. 4. Class 39.

Desmond's, Inc.: *See*—
Desmond's.

Dickinson, Albert, Co., The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, clover, and field seeds, and seed-grains. 31,078, Jan. 4, 1898. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, clover, and field seeds, and seed grains. 34,156, Feb. 6, 1900. Republished Oct. 4. Class 1.

Dickinson, Albert, Co., The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, clover, and field seeds, and seed-grains. 36,255–6, Apr. 16, 1901. Republished Oct. 4. Class 1.

Dickinson, Albert, Co., The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, clover, and field seeds, seed-grains, etc. 36,619, June 18, 1901. Republished Oct. 4. Classes 1, 10, 23, and 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, grain, timothy, etc., seeds. 49,834–8, Feb. 20, 1906. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Mixed grass seed for lawns. 57,822, Nov. 27, 1906. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass, grain, timothy and clover seeds. 61,430–1, Mar. 19, 1907. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Cultures of nodule bacteria. 99,039, Aug. 11, 1914. Republished Oct. 4. Class 10.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Popping corn. 99,708–9, Sept. 15, 1914. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Poultry feed. 105,293, July 13, 1915. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Mixed feeds. 112,115, Aug. 22, 1916. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Poultry feeds. 172,965, Sept. 11, 1923. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Grass seeds. 212,245, Apr. 27, 1926. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Farm and grass seeds. 226,951, Apr. 26, 1927. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Lawn-grass seeds. 229,188, June 21, 1927. Republished Oct. 4. Class 1.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Popcorn. 283,322, May 26, 1931. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Dog food. 289,320, Nov. 24, 1931. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Popping corn and seasoning for popcorn. 291,204, Feb. 2, 1932. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Popcorn dressing. 304,304, June 27, 1933. Republished Oct. 4. Class 46.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Stock feed and poultry feed. 358,922, July 26, 1938. Republished Oct. 4. Class 46.

Dickinson, Albert, Company (1938), The: *See*—
Dickinson, Albert, Co., The.
Dickinson, Albert, Company, The.

Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Men's and boys' pants and outer shirts and ladies' western style pants, etc. 515,953, Oct. 4; Serial No. 547,237, published June 14, 1949. Class 39.

Dieman, Charles A., Lanham, Md. Coffee flavored maltless soft drink. 515,897, Oct. 4; Serial No. 540,049, published June 28, 1949. Class 45.

Divisia, Joseph, doing business as Airtite Products Company, Los Angeles, Calif., assignee of Carbee Tool and Manufacturing Company. Ventilators for vehicles. 516,096, Oct. 4; Serial No. 522,863. Class 19.

Dixie Machinery Manufacturing Company, St. Louis, Mo. Hammermills. 515,856, Oct. 4; Serial No. 527,771, published June 21, 1949. Class 23.

Dixon-Powdermaker Furniture Company, Jacksonville, Fla. Bedroom, living room and dining room furniture. 516,092, Oct. 4; Serial No. 516,967. Class 32.

Doan Manufacturing Corp., East Cleveland, Ohio. Pads made of rubber and metal for automobile accelerator, brake, clutch and starter pedals. 515,975, Oct. 4; Serial No. 549,520, published July 5, 1949. Class 19.

Donley-Evans & Company, St. Louis, Mo. Medicine. 516,035, Oct. 4; Serial No. 558,017, published June 28, 1949. Class 6.

Drexel Furniture Company, Drexel, N. C. Bedroom furniture. 516,103, Oct. 4; Serial No. 535,496. Class 32.

Drexel Furniture Company, Drexel, N. C. Bedroom furniture. 516,104, Oct. 4; Serial No. 535,499. Class 32.

Dunn & McCarthy, Inc.: *See*—
Utz & Dunn Company.

Dunn and McCarthy, Inc., Auburn, N. Y. Boots, shoes, and slippers. 216,131, Sept. 21, 1926. Republished Oct. 4. Class 39.

Du Pont Rayon Company, Buffalo, N. Y., to Alex S. A., Sion, Switzerland. Cellulose-acetate yarns, threads, and filaments. 258,794, renewed July 16, 1949. O. G. Oct. 4. Class 43.

Du Pont Rayon Company, Buffalo, N. Y., to Alex S. A., Sion, Switzerland. Artificial-silk yarns, threads, and filaments. 263,433, renewed Nov. 5, 1949. O. G. Oct. 4. Class 43.

E-V Supply Co. Inc., Wellington, Kans. Children's combination high chair and car seat, and children's easy chairs. 515,892, Oct. 4; Serial No. 538,739, published July 5, 1949. Class 32.

Eastern States Farmers' Exchange, West Springfield, Mass. Roll roofing, asphalt shingles, asphalt and fibre cements, etc. 515,990, Oct. 4; Serial No. 551,254, published June 7, 1949. Class 12.

East River Metal Products, Inc., New York, assignee to H. B. Kerkman, Larchmont, N. Y. Ball tipped spring supported rod for attachment to a telephone for dialing purposes. 516,118, Oct. 4; Serial No. 549,719. Class 21.

Edson, Incorporated, Chicago, Ill. Davenport and couch cover. 515,915, Oct. 4; Serial No. 543,285, published June 21, 1949. Class 32.

Edy, Joseph O., Oakland, Calif. Candy. 351,175, Oct. 19, 1937. Republished Oct. 4. Class 46.

Egyptian Chemical Company, Boston, Mass. Embalming fluid. 516,031, Oct. 4; Serial No. 556,954, published June 28, 1949. Class 6.

Embassy Hosiery Sales: *See*—
Bonanni, Carmine C.

Engle, Fred O., doing business as Englewood Farm-Nursery, Muskegon, Mich. Humus mixture for soil improvement. 515,889, Oct. 4; Serial No. 538,114, published June 21, 1949. Class 10.

Englewood Farm-Nursery: *See*—
Engle, Fred O.

English Metal Powder Company Limited, London and West Drayton, England. Aluminum in powder or paste form. 515,993, Oct. 4; Serial No. 551,547, published May 31, 1949. Class 14.

Erie Manufacturing Co., Inc., Chicago, Ill. Bumper guards, grille guards, fender guards, etc. 515,914, Oct. 4; Serial No. 543,155, published July 5, 1949. Class 19.

Esso Standard Oil Company: *See*—
Stanco Incorporated.
Standard Oil Company of New Jersey.

Faesy & Besthoff, Inc., New York, N. Y. Calcium chloride compound. 515,994, Oct. 4; Serial No. 551,882, published June 28, 1949. Class 6.

Fairchild Publications, Inc.: *See*—
Women's Wear Magazines, Inc.

Farm Crest Bakeries, Inc., Detroit, Mich. Cake. 515,987, Oct. 4; Serial No. 550,907, published June 21, 1949. Class 46.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits and overcoats. 515,880, Oct. 4; Serial No. 535,311, published June 14, 1949. Class 39.

Fischer Industries, Inc., Cincinnati, Ohio. Concentrated lathering synthetic detergent. 516,034, Oct. 4; Serial No. 557,839, published June 14, 1949. Class 4.

Fischer Scientific Company, Pittsburgh, Pa. Publication. 263,996, renewed Nov. 12, 1949. O. G. Oct. 4. Class 38.

Fleischer Mills, Inc., The, Cincinnati, Ohio. Non-inflammable dry cleaning fluid. 515,865, Oct. 4; Serial No. 530,183, published June 14, 1949. Class 4.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 516,011, Oct. 4; Serial No. 553,094, published June 14, 1949. Class 17.

Fordyce Lumber Company, Fordyce, Ark. Wood flooring and wood trim. 394,098, Mar. 17, 1942. Republished Oct. 4. Class 12.

Franklin Laboratories, Inc., Englewood, N. J. Pharmaceutical preparation. 515,913, Oct. 4; Serial No. 542,758, published June 21, 1949. Class 6.

Gaines, Frank E., doing business as Aerol Co., assignor to Aerol Co. Inc., Los Angeles, Calif. Hand trucks and wheels therefor. 515,853, Oct. 4; Serial No. 526,668, published June 7, 1949. Class 19.

Gainsbro, Margaret S., doing business as Travenette Company, Dallas, Tex. Combination table top and cabinet for motor vehicles, trains, boats, etc. 443,416, Oct. 4; Serial No. 500,872, published July 5, 1949. Class 19.

Gates Rubber Company, The, Denver, Colo. Rubber and rubber-like aprons. 516,058, Oct. 4; Serial No. 542,776, published June 14, 1949. Class 39.

General Dyestuff Corporation, New York, N. Y. Dyes, dyestuffs, and dyestuff intermediates, and chemicals. 224,827, Mar. 8, 1927. Republished Oct. 4. Class 6.

Gerson-Stewart Corporation Company, The: *See*—
Hexter-Stewart Corporation Company, The.

Gibson, Mary L., Los Angeles, Calif. Empty paper gift boxes. 516,085, Oct. 4; Serial No. 502,435. Class 2.

Gillette Safety Razor Company: *See*—
Autostrop Safety Razor Co. Inc.

Globe Company, The, Chicago, Ill. Manually operated dollies and hand trucks and parts therefor. 515,962, Oct. 4; Serial No. 548,067, published July 5, 1949. Class 19.

Golden Guernsey, Inc., Peterborough, N. H. Fluid milk and cream. 515,866–7, Oct. 4; Serial Nos. 530,190–1, published June 28, 1949. Class 46.

Goldsmit-Black, Inc., Pittsburgh, by H. N. Heusner & Son, Inc., Hanover, Pa. Cigars. 307,629, Oct. 31, 1933. Republished Oct. 4. Class 17.

Grapette Company, Incorporated, The, Camden, Ark. Nonalcoholic, maltless fruit beverage. 443,425, Oct. 4; Serial No. 518,460, published June 7, 1949. Class 45.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather. 357,995, June 21, 1938. Republished Oct. 4. Class 1.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. 217,769, Sept. 7, 1926. Republished Oct. 4. Class 39.

Gresham Berry Growers, Gresham, Oreg. Canned fruits. 323,385, Sept. 24, 1935. Republished Oct. 4. Class 46.

Grocers & Producers Co., The, doing business as Clover Farm Stores, to Clover Farm Stores Corporation, Cleveland, Ohio. Bicarbonate of soda, salt, lye, etc. 264,868, renewed Dec. 10, 1949. O. G. Oct. 4. Class 6.

Guild Industries, Brooklyn, N. Y. Juvenile furniture. 516,055, Oct. 4; Serial No. 562,590, published June 28, 1949. Class 32.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 515,959, Oct. 4; Serial No. 547,631, published June 21, 1949. Class 2.

Gutmann, Carl, & Co., Inc., New York, N. Y. Ladies', misses', boys', and girls' sweater and polo shirts. 515,924, Oct. 4; Serial No. 544,343, published June 14, 1949. Class 39.

H. F. T. Company, Inc., Seattle, Wash. Combination chairs and tables for treatment of the body by massaging and manipulating. 516,087, Oct. 4; Serial No. 505,352. Class 44.

Hale-Halsell Company, McAlester, Okla. Canned pineapple, canned corn, and canned hominy. 515,956, Oct. 4; Serial No. 547,448, published June 21, 1949. Class 46.

Halex Limited, London, England. Combs. 516,075, Oct. 4; Serial No. 566,277, published May 17, 1949. Class 40.

Harco Chemical Company, East Cranford, N. J. Soap compounds. 443,422, Oct. 4; Serial No. 508,477, published June 14, 1949. Class 4.

Harper Feed Mills, Washington, Pa. Dog food and yeast mash. 515,948, Oct. 4; Serial No. 546,495, published June 21, 1949. Class 46.

Harrisburg Steel Corporation, Harrisburg, Pa. Drop forgings. 515,848, Oct. 4; Serial No. 511,215, published Apr. 26, 1949. Class 14.

Hart Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, etc. 515,944–5, Oct. 4; Serial Nos. 546,047–8, published June 14, 1949. Class 39.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. 515,984, Oct. 4; Serial No. 550,408, published June 14, 1949. Class 39.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. 515,925, Oct. 4; Serial No. 544,447, published June 14, 1949. Class 39.

Heppenstall Company: *See*—
Heppenstall Forge & Knife Company.

Heppenstall Forge & Knife Company, to Heppenstall Company, Pittsburgh, Pa. Castings and forgings. 262,023, renewed Sept. 24, 1949. O. G. Oct. 4. Class 14.

Herco Oil Burner Corporation: *See*—
Herr & Company.

Herr & Company, by Herco Oil Burner Corporation, Lancaster, Pa. Door-hinges and enameled ware. 108,601, Feb. 15, 1916. Republished Oct. 4. Class 13.

Heusner, H. N., & Son, Inc.: *See*—
Goldsmit-Black, Inc.

Hexter-Stewart Corporation Company, The, by The Gerson-Stewart Corporation Company, Cleveland, Ohio. Liquid soap. 134,966, Sept. 21, 1920. Republished Oct. 4. Class 4.

Hill Cross Company: *See*—
Wood, Donald.

Hobrock, Raymond H., Birmingham, Mich. Implements for holding and scaling fish in the cleaning thereof. 515,949, Oct. 4; Serial No. 546,496, published June 28, 1949. Class 23.

Hoffman, H., Co.: *See*—
Hoffman, Harold.

Hoffman, Harold, doing business as H. Hoffman Co., Chicago, Ill. Keys, locks, and parts thereof. 515,963, Oct. 4; Serial No. 548,077, published June 21, 1949. Class 25.

Hoffman, J. S., Co., Inc., New York, N. Y. Cheese. 345,325, Apr. 20, 1937. Republished Oct. 4. Class 46.

Holliday Pajamas, Inc., New York, N. Y. Ladies' pajamas. 515,916, Oct. 4; Serial No. 543,449, published June 14, 1949. Class 39.

Hollywood Brands, Inc., doing business under the name Hollywood Candy Co., Centralia, Ill. Candy. 515,986, Oct. 4; Serial No. 550,694, published June 14, 1949. Class 46.

Hollywood Candy Co.: *See*—
Hollywood Brands, Inc.

Home Finance Group, Inc., Charlotte, N. C. Small personal property loan, installment purchase loan on personal property, etc. 516,132, Oct. 4; Serial No. 556,661. Class 35.

Homer Laughlin China Company, The, Newell, W. Va. Earthenware. 516,003, Oct. 4; Serial No. 552,243, published June 7, 1949. Class 30.

Hook-Fast Specialties, Inc., Providence, R. I. Belts and buckles. 515,884, Oct. 4; Serial No. 536,086, published June 14, 1949. Class 39.

Horlicks Corporation, Racine, Wis. Malted milk. 515,854, Oct. 4; Serial No. 526,968, published June 14, 1949. Class 46.

Hormel, Geo. A., & Company, Austin, Minn. Canned poultry. 261,730, renewed Sept. 24, 1949. O. G. Oct. 4. Class 46.
Hough Shade Corporation, Janesville, Wis. Wood splint shades and Venetian blinds. 516,006, Oct. 4; Serial No. 552,973, published June 21, 1949. Class 32.
House of Westmore, Inc., New York, N. Y. Face powder. 516,045, Oct. 4; Serial No. 559,770, published June 28, 1949. Class 6.
Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 516,128, Oct. 4; Serial No. 560,021. Class 22.
Independent Retailers Syndicate, Inc., New York, N. Y. Dolls. 516,126, Oct. 4; Serial No. 559,606. Class 22.
Indian Drilling Mud Co., Inc., Britton, Okla. Drilling mud. 515,995, Oct. 4; Serial No. 551,973, published June 28, 1949. Class 1.
Industrial Pattern Works: *See*—
Jacobson, Harry J.
Inland Rubber Corporation, Chicago, Ill. Cleaners and solvents. 515,875, Oct. 4; Serial No. 531,603, published June 14, 1949. Class 4.
International Minerals & Chemical Corporation, Chicago, Ill. Fertilizers. 516,064, Oct. 4; Serial No. 564,626, published May 17, 1949. Class 10.
Iowa State Brand Creameries Association, to State Brand Creameries, Inc., Mason City, Iowa. Butter. 259,294, renewed July 30, 1949. O. G. Oct. 4. Class 46.
Jacobson, Harry J., doing business as Industrial Pattern Works, Chicago, Ill. Core boxes and dryer shells. 515,971, Oct. 4; Serial No. 549,075, published June 21, 1949. Class 23.
Johnson Boatworks: *See*—
Johnson, Milton.
Johnson, Gordon, Company, Kansas City, Mo. Chemical wetting agent. 516,111, Oct. 4; Serial No. 542,118. Class 6.
Johnson Machine and Press Corporation, Elkhart, Ind. Inclinable power presses. 515,841, Oct. 4; Serial No. 506,321, published June 28, 1949. Class 23.
Johnson, Milton, doing business as Johnson Boatworks, Brooklyn, N. Y. Gasoline and Diesel powered boats. 516,047, Oct. 4; Serial No. 559,926, published July 5, 1949. Class 19.
Jonas & Colver (Novo) Limited, Sheffield, England. Iron and steel. 516,071, Oct. 4; Serial No. 565,897, published June 7, 1949. Class 14.
Kalo Inoculant Company, Quincy, Ill. Bacterial inoculants. 515,901, Oct. 4; Serial No. 540,827, published June 21, 1949. Class 10.
Kaw River Valley Fertiliser Co., Lawrence, Kansas, assignor to Armour and Company, Chicago, Ill. Fertiliser and plant food. 515,996, Oct. 4; Serial No. 551,981, published Dec. 28, 1948. Class 10.
Kay-Brunner Steel Products, Inc., Alhambra, Calif. Machines, hydraulic pumps, and hoists. 347,461, June 29, 1937. Republished Oct. 4. Class 23.
Keehn Brothers, by Le Roy D. Keehn (L. D. Keehn), doing business as Keehn Brothers, Chicago, Ill. Leather shoes. 164,240, Feb. 3, 1923. Republished Oct. 4. Class 39.
Keehn, (L. D. Keehn), Le Roy D.: *See*—
Keehn Brothers.
Keeley Brewing Company, Chicago, Ill. Beer, ale, stout, and blends thereof. 516,032, Oct. 4; Serial No. 556,964, published May 31, 1949. Class 48.
Kerkman, Hugh B.: *See*—
East River Metal Products, Inc.
Key-Tag Checking System Company, The, Cleveland, Ohio. Shirt finishing appliances. 516,014, Oct. 4; Serial No. 553,714, published June 21, 1949. Class 24.
King Milling Company, Lowell, Mich. Wheat flour. 515,976, Oct. 4; Serial No. 549,552, published June 21, 1949. Class 46.
Kling, L. A., Jr., Chicago, Ill. Mechanical burglar alarms. 515,933, Oct. 4; Serial No. 545,489, published June 21, 1949. Class 23.
Kohnstamm, H., & Co., Inc., New York, N. Y. Soap. 516,066, Oct. 4; Serial No. 565,561, published June 14, 1949. Class 4.
Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Bronze casting and forging alloys. 516,068, Oct. 4; Serial No. 565,632, published June 7, 1949. Class 14.
Krueger, Richard G., Incorporated, New York, N. Y. Decorated cloth bag for holding children's toys. 516,082, Oct. 4; Serial No. 496,709. Class 2.
Kut-A-Sys Manufacturing Company: *See*—
Camerino, William R.
Kuttroff, Pickhardt & Co., Inc., by Advance Solvents & Chemical Corporation, New York, N. Y. Plasticizer. 267,848, Feb. 18, 1930. Republished Oct. 4. Class 6.
Kwikee-Fold Basket Company: *See*—
Sloane, Milton.
L-U-C-E Manufacturing Company, doing business as Lucky Tripper Company, Kansas City, Mo. Traveling bags. 515,997, Oct. 4; Serial No. 551,984, published Mar. 29, 1949. Class 3.
La Cloeque de Strasbourg, G. & L. Stein, Societe a Responsabilite Limitee, Schiltigheim (Bas-Rhin), France. Beer. 515,963, Oct. 4; Serial No. 529,937, published June 21, 1949. Class 48.
Laher Spring and Tire Corporation, Oakland, Calif. Automotive equipment and accessories. 515,842, Oct. 4; Serial No. 507,822, published May 31, 1949. Class 19.
Laros Textiles Company, Bethlehem, Pa. Hosiery. 515,882, Oct. 4; Serial No. 535,718, published June 14, 1949. Class 39.
Lee, H. D., Company, Incorporated, The: *See*—
Lee, H. D., Mercantile Co., The.
Lee, H. D., Mercantile Company, The.
Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Waistband overalls. 430,728, June 24, 1947. Republished Oct. 4. Class 39.
Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Bib overalls, waistband overalls, overall jackets, etc. 430,729, June 24, 1947. Republished Oct. 4. Class 39.
Lee, H. D., Mercantile Co., The: *See*—
Lee, H. D., Company, Incorporated, The.
Lee, H. D., Mercantile Company, The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Coffee and canned fruits and vegetables. 78,757, July 5, 1910. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Company, The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Coffee, flavoring extracts, canned vegetables, etc. 78,808, July 12, 1910. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Company, The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Baking powder, baking soda, cream of tartar, etc. 81,279, Mar. 21, 1911. Republished Oct. 4. Classes 6 and 46.
Lee, H. D., Mercantile Company, The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Peanut butter, fruit jam, creme-de-menthe cherries, etc. 81,727, May 2, 1911. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Co., The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Dried apricots, dried apples, dried peaches, etc. 86,067, Apr. 9, 1912. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Company, The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Overall union suits. 99,475, Sept. 1, 1914. Republished Oct. 4. Class 39.
Lee, H. D., Mercantile Co., The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Canned fruits, canned vegetables, canned sweet potatoes, etc. 110,925, June 20, 1916. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Co., The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Canned salmon. 119,968, Dec. 25, 1917. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Co., The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Work clothes. 129,176, Jan. 27, 1920. Republished Oct. 4. Class 39.
Lee, H. D., Mercantile Co., The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Wearing apparel. 130,792, May 4, 1920. Republished Oct. 4. Class 39.
Lee, H. D., Mercantile Company, The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Shelled raw pop corn. 266,446, Jan. 21, 1930. Republished Oct. 4. Class 46.
Lee, H. D., Mercantile Co., The, by The H. D. Lee Company, Incorporated, Kansas City, Mo. Work clothing. 306,214, Sept. 12, 1933. Republished Oct. 4. Class 39.
Lee, H. D., Mercantile Co., The, by The H. D. Lee Company, Incorporated, Kansas City, Mo. Men's and boys' corduroy trousers. 326,006, July 9, 1935. Republished Oct. 4. Class 39.
Lefkowits, Frederic, doing business as Yeah Man Products Co., Brooklyn, N. Y. Coffee syrup. 515,954, Oct. 4; Serial No. 547,854, published May 31, 1949. Class 45.
Legge, Walter G., Company, Inc., New York, N. Y. Cleanser for wood, cork, and linoleum. 516,069, Oct. 4; Serial No. 565,638, published June 14, 1949. Class 4.
Legge, Walter G., Company, Inc., New York, N. Y. Cleanser for woods, cork, and linoleum. 516,070, Oct. 4; Serial No. 565,640, published June 14, 1949. Class 4.
Lehn & Fink Products Corporation, Bloomfield, N. J. Reducing chin straps. 516,036, Oct. 4; Serial No. 558,148, published June 7, 1949. Class 44.
Lentheric Incorporated, New York, N. Y. Perfumes, toilet water, face powder, etc. 516,038, Oct. 4; Serial No. 558,567, published June 28, 1949. Class 6.
Leschen, A., & Sons Rope Company, St. Louis, Mo. Wire rope. 338,670, Sept. 15, 1936. Republished Oct. 4. Class 7.
Lincoln Engineering Company, St. Louis, Mo. Portable and stationary pumping apparatus. 515,855, Oct. 4; Serial No. 527,144, published June 21, 1949. Class 23.
Lincoln Luggage Company, Inc., New York, N. Y. Suitcases and handbags. 516,114, Oct. 4; Serial No. 544,357. Class 3.
Logan Co., Louisville, Ky. Mattresses. 516,009, Oct. 4; Serial No. 552,993, published July 5, 1949. Class 32.
Logan-Long Company, The, Franklin, Ohio, Atlanta, Ga., Fulton, N. Y., and Chicago, Ill., to Allied Chemical & Dye Corporation, New York, N. Y. Composition shingles. 262,758, renewed Oct. 22, 1949. O. G. Oct. 4. Class 12.
Los Angeles Laboratories, Inc., The, Los Angeles, Calif. Calcium gluconate wafers, and thiamin hydrochloride. 516,050, Oct. 4; Serial No. 560,767, published June 21, 1949. Class 6.

Lucky Tripper Company: *See*—
L-U-C-E Manufacturing Company.
Lyon Metal Products, Incorporated, Aurora, Ill. Roller conveyors. 515,887, Oct. 4; Serial No. 537,208, published June 28, 1949. Class 23.
MacDonald, William B., Jr., Chicago, Ill. House trailers. 516,086, Oct. 4; Serial No. 503,108. Class 19.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Rough pearlitic alloy cast iron foundry products. 443,427, Oct. 4; Serial No. 525,000, published May 24, 1949. Class 14.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished cast alloy steel foundry products. 443,428, Oct. 4; Serial No. 525,001, published May 31, 1949. Class 14.
Macy, R. H., & Co., Inc., New York, N. Y. Men's and boys' leather shoes, hats and caps, etc. 515,947, Oct. 4; Serial No. 546,228, published June 14, 1949. Class 39.
Madam Bery Limited, London, England. Women's suits, dresses, and blouses. 516,083, Oct. 4; Serial No. 497,668. Class 39.
Madison-Kipp Corporation, Madison, Wis. Die castings. 516,025, Oct. 4; Serial No. 556,110, published June 7, 1949. Class 14.
Maish, Chas. A., Co., The, Cincinnati, Ohio. Mattresses. 516,012, Oct. 4; Serial No. 558,498, published June 21, 1949. Class 32.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Crape in the piece. 135,743, Oct. 19, 1920. New certificate. O. G. Oct. 4. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 150,462, Jan. 3, 1922. New certificate. O. G. Oct. 4. Class 42.
Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk, rayon, cotton, etc., and mixed piece goods. 317,297, Sept. 18, 1934. New certificate. O. G. Oct. 4. Class 42.
Manhattan Shirt Company, The, New York, N. Y. Men's sport shirts. 515,981, Oct. 4; Serial No. 550,246, published June 14, 1949. Class 39.
Manufacturing Laboratories, Inc., Boston, Mass. Water resisting and leather mellowing compound. 515,958, Oct. 4; Serial No. 547,564, published June 28, 1949. Class 4.
Markovits Brothers, Incorporated, Philadelphia, Pa. Underwear. 515,878, Oct. 4; Serial No. 533,487, published June 14, 1949. Class 39.
Marlow, Nicholas, doing business as Marlow Products, Chicago, Ill. Memorandum pads. 515,969, Oct. 4; Serial No. 548,821, published June 7, 1949. Class 37.
Marlow Products: *See*—
Marlow, Nicholas.
Mars, Incorporated, Chicago, Ill. Candy bars. 442,698, May 17, 1949. Republished Oct. 4. Class 46.
McGill Manufacturing Company, Inc., Valparaiso, Ind. Anti-friction bearings. 515,977, Oct. 4; Serial No. 549,558, published July 5, 1949. Class 23.
McGraw, C. L., Kathleen, Fla. Insecticide. 516,041, Oct. 4; Serial No. 559,166, published June 28, 1949. Class 6.
McKesson & Robbins, Incorporated, New York, N. Y. Fungicide. 516,077, Oct. 4; Serial No. 567,707, published June 28, 1949. Class 6.
Mega Company, The, to Megs Macaroni Company, Harrisburg, Pa. Alimentary paste products. 260,304, renewed Aug. 20, 1949. O. G. Oct. 4. Class 46.
Megs Macaroni Company: *See*—
Megs Company, The.
Menley & James Limited, to Menley & James, Limited, New York, N. Y. Pharmaceutical products. 263,773, renewed Nov. 12, 1949. O. G. Oct. 4. Class 6.
Metal-Clean Solvent Corporation, Chicago, Ill. Liquid solvents. 516,098, Oct. 4; Serial No. 523,091. Class 4.
Mexico Refractories Company, Mexico, Mo. High temperature bonding mortar. 516,109, Oct. 4; Serial No. 541,865. Class 12.
Mexico Refractories Company, Mexico, Mo. High temperature bonding mortar. 516,110, Oct. 4; Serial No. 541,944. Class 12.
Midvale Company, The, Philadelphia, Pa. Oil-hardening tool steel. 516,076, Oct. 4; Serial No. 566,990, published June 14, 1949. Class 14.
Miles Laboratories, Inc., Elkhart, Ind. Vitamin tablets. 390,138, Sept. 9, 1941. Republished Oct. 4. Class 6.
Miller Brewing Company, Milwaukee, Wis. Beer. 516,116, Oct. 4; Serial No. 549,564. Class 48.
Million-Guiet-Tubauto, Levallois-Parret (Seine), France. Automobiles, motor-buses, carriage bodies, etc. 443,423, Oct. 4; Serial No. 509,436, published July 5, 1949. Class 19.
Miner, W. H., Inc., Chicago, Ill. Hand brakes for railway cars. 515,872, Oct. 4; Serial No. 530,833, published July 5, 1949. Class 19.
Monticello Drug Company, Jacksonville, Fla. Liquid preparations for treatment of colds, headaches, neuralgia, etc. 516,054, Oct. 4; Serial No. 562,080, published June 21, 1949. Class 6.
Morgan, John A., doing business as Bonyface Unlimited, Los Angeles, Calif. Realistic figures. 516,113, Oct. 4; Serial No. 543,643. Class 50.
Mosco, C. A., Company, Chicago, Ill. Inhibitory antiseptic. 516,061, Oct. 4; Serial No. 564,084, published June 28, 1949. Class 6.
Mueller Co., Decatur, Ill. Steel forgings and aluminum forgings. 515,929, Oct. 4; Serial No. 545,149, published May 24, 1949. Class 14.
Multistamp Company, Inc., The, Norfolk, Va. Liquid cleaning compositions. 516,018, Oct. 4; Serial No. 554,804, published Mar. 8, 1949. Class 4.
Murphy Oil Company, doing business as Murphy Ranch, by Murphy Ranch Company, Whittier, Calif. Fresh citrus fruits. 320,351–3, Dec. 25, 1934. Republished Oct. 4. Class 46.
Murphy Oil Company, doing business as Murphy Ranch, by Murphy Ranch Company, Whittier, Calif. Fresh citrus fruits. 322,032, Feb. 26, 1935. Republished Oct. 4. Class 46.
Murphy Oil Company, doing business as Murphy Ranch, by Murphy Ranch Company, Whittier, Calif. Fresh citrus fruits. 322,337, Mar. 5, 1935. Republished Oct. 4. Class 46.
Murphy Products Company, Burlington, Wis. Feed. 382,682, Nov. 5, 1940. Republished Oct. 4. Class 46.
Murphy Products Company, Burlington, Wis. Poultry feed. 382,683, Nov. 5, 1940. Republished Oct. 4. Class 46.
Murphy Ranch: *See*—
Murphy Oil Company.
Murphy Ranch Company: *See*—
Murphy Oil Company.
Mutual Products Co.: *See*—
Mutual Products Company.
Mutual Products Company, by Mutual Products Co., Minneapolis, Minn. Stock food. 396,857, Aug. 4, 1942. Republished Oct. 4. Class 46.
N. V. Brouwerij d'Oranjeboom, Rotterdam, Holland. Beer. 516,049, Oct. 4; Serial No. 560,533, published June 21, 1949. Class 48.
National Cylinder Gas Company, Chicago, Ill. Metal welding electrodes. 516,053, Oct. 4; Serial No. 561,848, published June 7, 1949. Class 14.
National Mallinson Fabrics Corporation: *See*—
Mallinson, H. R., & Co., Inc.
National NuGrape Company: *See*—
Callaway, C. C., Jr.
National Pressure Cooker Company, Eau Claire, Wis. Steam-pressure cookers. 263,517, renewed Nov. 5, 1949. O. G. Oct. 4. Class 13.
Nehi Corporation, Columbus, Ga. Nonalcoholic, maltless, non-fruit-juice beverage. 515,876, Oct. 4; Serial No. 533,044, published June 7, 1949. Class 45.
New England Glass Works, Inc., Providence, R. I. Ornamental jewelry. 426,022, Dec. 10, 1946. Republished Oct. 4. Classes 2, 8 and 28.
Niles-Bement-Pond Company: *See*—
Potter and Johnston Machine Company.
Nordberg Manufacturing Company, Milwaukee, Wis. Machinery. 262,422, renewed Oct. 8, 1949. O. G. Oct. 4. Class 23.
Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Fertilizers. 516,063, Oct. 4; Serial No. 564,257, published May 17, 1949. Class 10.
Norwich Knitting Company, Norwich, N. Y. Sweat shirts. 515,950, Oct. 4; Serial No. 546,728, published June 14, 1949. Class 39.
Norwich Knitting Company, Norwich, N. Y. Knit goods. 515,961, Oct. 4; Serial No. 547,933, published June 14, 1949. Class 39.
Norvell-Williams, Inc., Kansas City, Mo. Flour bolters. 516,004, Oct. 4; Serial No. 552,261, published June 28, 1949. Class 23.
Oakes & Company, assignor to Oakes & Company, Chicago, Ill. Bicycles, wheelbarrows, and infants' cribs for use in automobiles. 443,415, Oct. 4; Serial No. 497,810, published July 5, 1949. Class 19.
Ogilvie, Elizabeth: *See*—
Ogilvie, Jessica.
Ogilvie, Jessica, to Elizabeth Ogilvie, sole surviving partner of Ogilvie Sisters, New York, N. Y. Tonic for dry hair, tonic for oily hair, tonic for whitening gray hair, etc. 151,041, renewed Jan. 5, 1948. O. G. Oct. 4. Class 6.
Ogilvie Sisters: *See*—
Ogilvie, Jessica.
Ohio Galvanizing & Manufacturing Company, The, Niles, Ohio. Industrial trucks and trailers. 515,898, Oct. 4; Serial No. 540,100, published July 5, 1949. Class 19.
Olson, C. Le Roy, to Le Roy Olson Company, San Francisco, Calif. Construction material. 261,900, renewed Sept. 24, 1949. O. G. Oct. 4. Class 12.
Olson, Le Roy, Company: *See*—
Olson, C. Le Roy.
Orange Heights Fruit Association, by Orange Heights Orange Association, Corona, Calif. Fresh citrus fruits. 207,219, Dec. 22, 1925. Republished Oct. 4. Class 46.
Orange Heights Orange Association: *See*—
Orange Heights Fruit Association.
Orr, William G., doing business as The Orsone Company, London, England. Inhalant. 516,039, Oct. 4; Serial No. 558,583, published June 28, 1949. Class 6.
Orzone Company, The: *See*—
Orr, William G.
Oster Manufacturing Company, The, Cleveland, Ohio. Threading machines and turret lathes. 515,893, Oct. 4; Serial No. 539,075, published July 5, 1949. Class 23.

Oval Wood Dish Corporation, Tupper Lake, N. Y. Single service, disposable one-piece wooden spoons. 515,902–4, Oct. 4; Serial Nos. 541,173–4, published June 28, 1949. Class 23.

Pabst Brewing Company, Milwaukee, Wis. Beer. 515,919–20, Oct. 4; Serial Nos. 542,733–4, published May 24, 1949. Class 46.

Page Steel and Wire Company, Adrian, Mich., and Bridgeport, Conn., to American Chain & Cable Company, Inc., Bridgeport, Conn. Metal fence and fence made partly of metal, etc. 262,417, renewed Oct. 8, 1949. O. G. Oct. 4. Class 13.

Paramount Famous Lasky Corporation, to Paramount Pictures Inc., New York, N. Y. Moving-picture films. 259,743, renewed Aug. 6, 1949. O. G. Oct. 4. Class 26.

Paramount Pictures Inc.: *See*—
Paramount Famous Lasky Corporation.

Parfumerie Agnel, Societe a Responsabilite Limitee, Paris, France. Perfume, toilet water, lipstick, etc. 516,024, Oct. 4; Serial No. 556,023, published June 28, 1949. Class 6.

Parfumerie & Savonnerie Gilot Societe Anonyme Paris, France. Soaps. 515,844, Oct. 4; Serial No. 508,237, published June 14, 1949. Class 4.

Parker Products: *See*—
Parker, Rutledge B.

Parker Rust Proof Company, Detroit, Mich. Metals and metal castings and forgings. 516,080, Oct. 4; Serial No. 547,026, published May 24, 1949. Class 14.

Parker, Rutledge B. doing business as Parker Products, Waterbury, Conn. Cleaning liquids. 516,065, Oct. 4; Serial No. 565,005, published June 28, 1949. Class 4.

Pendleton Flour Mill Co., Pendleton, Oreg., to Preston-Shaffer Milling Company, Walla Walla, Wash. Wheat flour. 247,219, renewed Sept. 25 1948. O. G. Oct. 4. Class 46.

Penick, S. B., & Company, New York, N. Y. Cascara bark. 516,062, Oct. 4; Serial No. 564,212, published June 28, 1949. Class 6.

Pennsylvania Refining Company: *See*—
American Oil Works Co.

Permo Incorporated, Chicago, Ill. Non-corrosive and wear-resisting alloys. 516,044, Oct. 4; Serial No. 559,429, published June 28, 1949. Class 14.

Perry, Claude E., doing business as The Perry Company, Waco, Tex. Combined vehicle bumper and trailer hitch. 515,886, Oct. 4; Serial No. 537,078, published July 5, 1949. Class 19.

Perry Company, The: *See*—
Perry, Claude E.

Pfanstiehl Detergent Chemicals, Inc., Chicago and Waukegan, Ill. Detergent washing powder. 516,073, Oct. 4; Serial No. 566,008, published June 28, 1949. Class 4.

Phillips, Dr. P., Fertilizers Inc., Orlando, Fla. Fertilizers. 516,130, Oct. 4; Serial No. 566,647. Class 10.

Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 257,448, renewed June 11, 1949. O. G. Oct. 4. Class 15.

Physical Medicine Instrument Company, Inc., Indianapolis, Ind. Electric therapeutic device. 515,843, Oct. 4; Serial No. 507,932, published June 28, 1949. Class 44.

Pierce, Dorothy M., New York, N. Y. Toy stuffed elephants. 516,107, Oct. 4; Serial No. 540,452. Class 22.

Pincus, Bernard S., Company, Philadelphia, Pa. Meats and meat products. 442,216, Mar. 15, 1949. Republished Oct. 4. Class 46.

Pipe Fabricating & Supply Co., Los Angeles, Calif. Mechanically operated separator or gas trap. 515,890, Oct. 4; Serial No. 538,312, published July 5, 1949. Class 23.

Pitkin, Inc., Newark, N. Y. Toilet soap. 515,888, Oct. 4; Serial No. 537,352, published June 14, 1949. Class 4.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Toilet tissue and cleansing tissue. 516,088, Oct. 4; Serial No. 509,465. Class 37.

Potter and Johnston Machine Company, Pawtucket, R. I., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Machine tools. 515,873, Oct. 4; Serial No. 530,843, published July 5, 1949. Class 23.

Powell, Harry E., Kokomo, Ind. Automobile wheel-balance weight. 516,102, Oct. 4; Serial No. 530,562. Class 19.

Preston-Shaffer Milling Company: *See*—
Pendleton Flour Mill Co.

Productos De Bamoa, S. A.: *See*—
Wilson, J. C.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils, lubricating greases, etc. 264,485, renewed Nov. 26, 1949. O. G. Oct. 4. Class 15.

Rand, Donald A., doing business as Story Book Farm Co., Hampton, N. H. Candies. 515,902, Oct. 4; Serial No. 540,871, published June 14, 1949. Class 46.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Molded plastic wheels, dollies per se, cranes, jigs and fixtures, etc. 438,215, Apr. 13, 1948. Republished Oct. 4. Class 23.

Rayon Fabrics Co., assignor to Rayon Fabrics Corp., by Rayon Fabrics Corp., New York, N. Y. Silk and rayon fabrics in the piece. 442,616, May 3, 1949. Republished Oct. 4. Class 42.

Rayon Fabrics Corp., assignee: *See*—
Rayon Fabrics Co.

Rayonier Incorporated, New York, N. Y. Wood pulp. 357,602, June 7, 1938. Republished Oct. 4. Class 1.

Rayonier Incorporated, New York, N. Y. Wood pulp. 380,856, Sept. 3, 1940. Republished Oct. 4. Class 1.

Register & Tribune Company, The, Des Moines, Iowa, by Cowles Magazines, Inc., Des Moines, Iowa, and New York, N. Y. Picture section of a newspaper. 353,141, Dec. 28, 1937. Republished Oct. 4. Class 35.

Reliable Shoulder Pad, Inc., New York, N. Y. Shoulder pads. 516,131, Oct. 4; Serial No. 573,055. Class 40.

Rice Growers Association of California, Sacramento, Calif. Rice. 516,097, Oct. 4; Serial No. 522,997. Class 46.

Richman, Wm., Supply Corp., New York, N. Y. Aluminum cooking and roasting utensils. 516,101, Oct. 4; Serial No. 526,291. Class 13.

Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.

Roberts, P. V., Company, Minneapolis, Minnesota. Bench stops. 516,094, Oct. 4; Serial No. 521,088. Class 23.

Robinson Sales Company, New York, N. Y. Gas ranges and spaceheaters. 516,099, Oct. 4; Serial No. 523,106. Class 34.

Ro-Nat Sportswear Co., Inc., New York, N. Y. Ladies' and misses' sweaters and sweater ensembles. 515,926, Oct. 4; Serial No. 544,907, published June 14, 1949. Class 39.

Rosen & Barnes Manufacturing Co., Chicago, Ill., and Minneapolis, Minn. Snow suits, ski suits, ski pants and jackets. 515,989, Oct. 4; Serial No. 551,137, published June 14, 1949. Class 39.

Rothenberg & Schloss Cigar Company, Kansas City, Mo. Cigars, smoking and chewing tobacco. 516,015, Oct. 4; Serial No. 553,906, published June 21, 1949. Class 17.

Safety Fumigant Company, Boston and Hingham, Mass. Chemical. 516,060, Oct. 4 Serial No. 563,570, published June 28, 1949. Class 6.

St. John & Co., Chicago, Ill. Wheels for industrial hand trucks. 516,095, Oct. 4; Serial No. 521,370. Class 19.

Sanitube Company, The: *See*—
Bachmann, Robert A.

Scharco Manufacturing Company, Inc., New York, N. Y. High chairs and crib mattresses. 516,016, Oct. 4; Serial No. 554,046, published July 5, 1949. Class 32.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Shoes. 443,414, Oct. 4; Serial No. 483,039, published June 14, 1949. Class 39.

Select Products Company, Irwin, Pa. Thin, crisp, edible strips made principally from corn meal. 515,901, Oct. 4; Serial No. 551,411, published June 21, 1949. Class 46.

Semon Bache & Company, New York, N. Y. Screens or plates adapted for use in connection with the reading or viewing of X-ray films or X-ray plates. 515,955, Oct. 4; Serial No. 547,388, published June 7, 1949. Class 44.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 515,006, Oct. 4; Serial No. 541,588, published June 14, 1949. Class 17.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 515,957, Oct. 4; Serial No. 547,489, published June 14, 1949. Class 17.

Sexton, John, & Co., Chicago, Ill. Dishwashing compound. 516,072, Oct. 4; Serial No. 566,036, published June 28, 1949. Class 4.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Mineral, vitamin preparation. 516,042, Oct. 4; Serial No. 559,249, published June 21, 1949. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 516,043, Oct. 4; Serial No. 560,059, published June 21, 1949. Class 6.

Shiman Mfg. Co. Inc., Newark, N. J. Pocketknives, scissors and cigar cutters. 258,223, renewed July 2, 1949. O. G. Oct. 4. Class 23.

Shiman Mfg. Co. Inc., Newark, N. J. Jewelry. 258,243, renewed July 2, 1949. O. G. Oct. 4. Class 28.

Simplex Electrical Company, The, Boston, to Simplex Wire & Cable Company, Cambridge, Mass. Insulated electrical conductors. 74,391, re-renewed July 6, 1949. O. G. Oct. 4. Class 21.

Simplex Valve & Meter Company, Philadelphia, Pa. Liquid and gas meters, Venturi tubes, pitot tubes, etc. 264,912, Dec. 10, 1929. Republished Oct. 4. Class 26.

Simplex Wire & Cable Company: *See*—
Simplex Electrical Company, The.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Scarfs and mufflers. 515,931, Oct. 4; Serial No. 545,401, published June 14, 1949. Class 39.

Sloane, Milton, doing business as Kwikee-Fold Basket Company, New York, N. Y. Collapsible wire laundry basket. 516,100, Oct. 4; Serial No. 525,693. Class 2.

Smith, Kenneth, Kansas City, Mo. Golf club grip conditioner. 515,879, Oct. 4; Serial No. 535,267, published June 28, 1949. Class 4.

Societe Rhovyl, Paris, France. Threads and yarns. 516,079, Oct. 4; Serial No. 568,680, published June 7, 1949. Class 42.

Sohi Tool Company, The, Oshkosh, Wis. Small power driven machine tools and parts thereof. 515,930, Oct. 4; Serial No. 545,178, published July 5, 1949. Class 23.

South Coast Corporation, The, New Orleans, La. Pure cane sugar. 515,935, Oct. 4; Serial No. 550,564, published June 21, 1949. Class 46.

Spartan Aircraft Company, Wilmington, Del., and Tulsa, Okla. Automobile house trailers. 516,021, Oct. 4; Serial No. 555,315, published July 5, 1949. Class 19.

Spring-Air Company, Holland, Mich. Mattresses and box springs. 515,868, Oct. 4; Serial No. 530,444, published June 21, 1949. Class 32.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Mineral oil. 258,563–5, renewed July 9, 1949. O. G. Oct. 4. Class 6.

Standard Brands Incorporated, New York, N. Y. B-complex powder. 516,026, Oct. 4; Serial No. 556,225, published June 28, 1949. Class 6.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Liquid gloss and floor dressing. 258,648, renewed July 9, 1949. O. G. Oct. 4. Class 16.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Liquid gloss and floor dressing. 259,362, renewed July 30, 1949. O. G. Oct. 4. Class 16.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Paraffin wax for washing purposes and harness oil. 259,398, renewed July 30, 1949. O. G. Oct. 4. Class 4.

State Brand Creameries, Inc.: *See*—
Iowa State Brand Creameries Association.

Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses and box springs. 515,973, Oct. 4; Serial No. 549,374, published June 21, 1949. Class 32.

Stedford Chemical Co., Fayetteville, N. Y. Emulsifying and cleansing agent. 515,840, Oct. 4; Serial No. 501,881, published June 21, 1949. Class 4.

Stein, S., & Co., to S. Stein & Co., Inc., New York, N. Y. Woolen goods in the piece. 259,639, renewed Aug. 6, 1949. O. G. Oct. 4. Class 42.

Stein, S., & Co., to S. Stein & Co., Inc., New York, N. Y. Woolen goods in the piece. 263,809, renewed Nov. 12, 1949. O. G. Oct. 4. Class 42.

Stein, S., & Co., Inc.: *See*—
Stein, S., & Co.

Stonecoat, Milwaukee, Wis. Stucco and plaster. 516,105, Oct. 4; Serial No. 538,194. Class 12.

Story Book Farm Co.: *See*—
Rand, Donald A.

Studebaker Corporation, The, South Bend, Ind. Automobiles. 515,874, Oct. 4; Serial No. 531,159, published July 5, 1949. Class 19.

Sun Chemical Corporation, New York, N. Y. Caulking compounds, waterproofing compounds, and metallic powdered hardeners. 515,941, Oct. 4; Serial No. 545,780, published June 28, 1949. Class 12.

Sunilled Industries, Inc., Raleigh, N. C. Counter type refrigerating cabinet. 516,127, Oct. 4; Serial No. 559,799. Class 31.

Sunset Oil Company: *See*—
Union Oil Company of California.

Sunskes, Max, assignor to Wonder Window Washer Mfg. Co., New York, N. Y. Window washer. 443,420, Oct. 4; Serial No. 505,456, published June 21, 1949. Class 28.

Sutliff Tobacco Company, San Francisco, Calif. Smoking tobacco. 515,951, Oct. 4; Serial No. 546,885, published June 21, 1949. Class 17.

Sutton Manufacturers, Inc., Miami, Fla. Funeral caskets. 516,023, Oct. 4; Serial No. 555,849, published May 31, 1949. Class 2.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 111,983, Apr. 25, 1916. Republished Oct. 4. Class 14.

T & T Company: *See*—
Alterman, Norman B.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist and smoking tobacco. 515,849–51, Oct. 4; Serial Nos. 525,427–9, published June 21, 1949. Class 17.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug and twist tobacco. 515,852, Oct. 4; Serial No. 525,436, published June 14, 1949. Class 17.

Tennant, C., Sons & Co. of New York, New York, N. Y. Machines and tools. 515,837, Oct. 4; Serial No. 489,542, published June 28, 1949. Class 23.

Tennessee Eastman Corporation, Kingsport, Tenn. Organic chemical preparation; chemical preparations. 508,347, Apr. 12, 1949. Corrected. O. G. Oct. 4. Class 6.

Thayer, Inc., Gardner, Mass. Play yards and pens. 515,899, Oct. 4; Serial No. 540,738, published June 21, 1949. Class 32.

Theonett & Co., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 516,129, Oct. 4; Serial No. 562,509. Class 46.

Thomas Hoist Company, Chicago, Ill. Hoists used in building construction, concrete mixers, air compressors, and concrete vibrators. 516,108, Oct. 4; Serial No. 541,605. Class 23.

Thompson Products, Inc., Cleveland, Ohio. Pump shafts and poppet valves. 249,035, Nov. 6, 1928. Republished Oct. 4. Class 23.

Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid fuel tanks. 515,859, Oct. 4; Serial No. 528,660, published June 21, 1949. Class 2.

Town and Country Shoes, Inc., Sedalia, Mo. Ladies' and misses' shoes. 515,976, Oct. 4; Serial No. 549,765, published June 14, 1949. Class 39.

Travenette Company: *See*—
Gainsbro, Margaret S.

Treel, A. G., Inc., Larchmont, N. Y. Hair lathering oil shampoo. 516,119, Oct. 4; Serial No. 552,184. Class 4.

Trommer, John F., Inc., Brooklyn, N. Y. Lager beer. 515,926, Oct. 4; Serial No. 544,619, published June 21, 1949. Class 46.

Tulare County Lemon and Grapefruit Association, Porterville, Calif. Fresh citrus fruits. 226,214–15, Apr. 5, 1927. Republished Oct. 4. Class 46.

Tulsa Canvas Products Company, Tulsa, Okla. Seats for grandstands or stadiums. 515,838, Oct. 4; Serial No. 493,082, published June 21, 1949. Class 32.

Union Oil Company of California, to Sunset Oil Company, Los Angeles, Calif. Lubricating oils, waxes, and greases. 264,371, renewed Nov. 26, 1949. O. G. Oct. 4. Class 15.

United States Air Compressor Company, The, Cleveland, Ohio. Automatic vehicle lifts and reciprocating jacks. 515,860, Oct. 4; Serial No. 529,730, published June 28, 1949. Class 23.

United States Envelope Company, Springfield, Mass. Paper cups. 265,048, renewed Dec. 10, 1949. O. G. Oct. 4. Class 2.

United States Industrial Diamond Corporation, New York, N. Y. Diamond in powder and paste form. 515,909, Oct. 4; Serial No. 552,099, published June 28, 1949. Class 1.

Utz & Dunn Company, Rochester, N. Y., assignor to Dunn & McCarthy, Inc., by Dunn and McCarthy, Inc., Auburn, N. Y. Boots and shoes. 233,003, Sept. 20, 1927. Republished Oct. 4. Class 39.

Velvet Pharmaceutical Products Co., Inc., also doing business as Velvet Products Co., New York, N. Y. Cream used for easing of teething pain and painful gums. 515,927, Oct. 4; Serial No. 544,796, published June 28, 1949. Class 6.

Velvet Products Co.: *See*—
Velvet Pharmaceutical Products Co., Inc.

Virginia Metal Products Corporation, Orange, Va. Metal bi-passing doors, door frames, windows, etc. 515,894, Oct. 4; Serial No. 539,371, published May 24, 1949. Class 12.

Vogue Brassiere Mfg. Co., to Vogue Foundations, Inc., Newark, N. J. Brassières, corsets, and girdles, etc. 264,900, renewed Dec. 10, 1949. O. G. Oct. 4. Class 39.

Vogue Foundations, Inc.: *See*—
Vogue Brassiere Mfg. Co.

Waples-Platter Company, Fort Worth, Tex. Canned goods. 362,524, Nov. 22, 1938. Republished Oct. 4. Class 46.

Ware Shoals Manufacturing Company, Ware Shoals, S. C., by Riegel Textile Corporation, New York, N. Y. Cotton sheets, cotton pillow-cases, cotton handkerchiefs, etc. 262,944, Oct. 29, 1929. Republished Oct. 4. Classes 39 and 42.

Waterville Textile Mills, Inc., Waterville, N. Y. Children's underwear. 170,073, July 10, 1923. Republished Oct. 4. Class 39.

Wehsler Egg Co., Los Angeles, Calif. Eggs. 515,998, Oct. 4; Serial No. 552,027, published June 21, 1949. Class 46.

Welco Co.: *See*—
Wells, Horace P.

Wells, Horace P., doing business as Welco Co., South Bend, Ind. Block or tray used for holding a roast of meat or fowl to be carved. 515,946, Oct. 4; Serial No. 546,074, published June 28, 1949. Class 23.

West Disinfecting Company, Long Island City, N. Y. Insecticides. 516,123, Oct. 4; Serial No. 556,856. Class 6.

Western Automotive Company, Chicago, Ill. Self-locking closures for fuel tanks of motor vehicles. 516,089, Oct. 4; Serial No. 515,058. Class 19.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. 515,885, Oct. 4; Serial No. 536,472, published July 5, 1949. Class 19.

Whitehead & Kales Company, Detroit, Mich. Trailers. 515,896, Oct. 4; Serial No. 540,003, published Jan. 4, 1949. Class 19.

Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa. Chocolate coating. 515,870, Oct. 4; Serial No. 530,691, published June 21, 1949. Class 46.

Williamsville Buff Mfg. Co., assignor to The Bullard Clark Company, Danielson, Conn. Buffing discs and buffing wheels. 516,033, Oct. 4; Serial No. 557,170, published Jan. 11, 1949. Class 4.

Wilson, H. A., Company, The, Newark, N. J. Thermostatic bimetals. 515,952, Oct. 4; Serial No. 547,089, published June 7, 1949. Class 14.

Wilson, J. C., Nogales, Ariz., and Bamoa, Mexico, by Productos De Bamoa, S. A. Sinaloa, Mexico. Fresh vegetables. 338,701, Sept. 15, 1936. Republished Oct. 4. Class 46.

Wil-Stan Products Company, Akron, Ohio. Iron storage holders for flat irons. 515,883, Oct. 4; Serial No. 536,023, published June 14, 1949. Class 24.

Winsted Hosiery Company, Winsted, Conn. Men's half hose, men's knit underwear, and men's outerwear. 515,895, Oct. 4; Serial No. 539,836, published June 14, 1949. Class 39.

Winter, Bernard A., doing business under the firm name of Winter Manufacturing Company, Tacoma, Wash. Power operated garden tractors. 515,839, Oct. 4; Serial No. 501,560, published June 21, 1949. Class 23.

Winter Manufacturing Company: *See*—
Winter, Bernard A.

Women's Wear Magazines, Inc., to Fairchild Publications, Inc., New York, N. Y. Semi-monthly magazine. 258,067, renewed June 25, 1949. O. G. Oct. 4. Class 38.
Wonder Window Washer Mfg. Co.: *See*—
Sunskes, Max.
Wood, Donald, doing business under the name and style of Hill Cross Company, New York, N. Y. Kitchen implement. 516,006, Oct. 4; Serial No. 552,535, published June 21, 1949. Class 23.
Wood, Gar, Industries, Inc., Wayne, Mich. Bodies for garbage and refuse handling trucks. 516,093, Oct. 4; Serial No. 517,899. Class 19.
Woolworth, F. W., Co., New York, N. Y. Golf balls, footballs, basket balls, etc. 516,124, Oct. 4; Serial No. 557,572. Class 22.
Wright Engineering Company, Mountain Lakes, N. J. Devices and apparatus for facilitating the adjustments of the beam of X-ray machines and radiographic equipment. 515,911, Oct. 4; Serial No. 542,496, published June 7, 1949. Class 44.
Yeah Man Products Co.: *See*—
Lefkowitz, Frederic.
Yorksheer Hosiery Company, York, Pa. Hosiery. 516,010, Oct. 4; Serial No. 553,046, published June 14, 1949. Class 39.
Young, Mira, Inc., New York, N. Y. Perfumes, toilet waters, toilet creams, etc. 516,037, Oct. 4; Serial No. 558,406, published June 28, 1949. Class 6.
Zip Manufacturing Company: *See*—
American Company of Arkansas.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Diamond in powder and paste form. United States Industrial Diamond Corporation. 515,999, Oct. 4; Serial No. 552,099, published June 28, 1949.
Drilling mud. Indian Drilling Mud Co., Inc. 515,995, Oct. 4; Serial No. 551,973, published June 28, 1949.
Grass, clover, and field seeds, and seed grains. The Albert Dickinson Co. 31,078, Jan. 4, 1898. Republished Oct. 4.
Leather. J. Greenebaum Tanning Co. 357,995, June 21, 1938. Republished Oct. 4.
Pulp, Wood. Rayonier Incorporated. 357,602, June 7, 1938. Republished Oct. 4.
Pulp, Wood. Rayonier Incorporated. 380,856, Sept. 3, 1940. Republished Oct. 4.
Seed for lawns, Mixed grass. The Albert Dickinson Company. 57,822, Nov. 27, 1906. Republished Oct. 4.
Seeds, Farm and grass. The Albert Dickinson Company. 226,951, Apr. 26, 1927. Republished Oct. 4.
Seeds, Grass. The Albert Dickinson Company. 212,245, Apr. 27, 1926. Republished Oct. 4.
Seeds, Grass, clover, and field, and seed grains. The Albert Dickinson Company. 34,156, Feb. 6, 1900. Republished Oct. 4.
Seeds, Grass, clover, and field, and seed grains. The Albert Dickinson Co. 36,255–6, Apr. 16, 1901. Republished Oct. 4.
Seeds, Grass, clover, and field, seed grains, etc. The Albert Dickinson Co. 36,619, June 18, 1901. Republished Oct. 4.
Seeds, Grass, grain, timothy, and clover. The Albert Dickinson Company. 61,480–1, Mar. 19, 1907. Republished Oct. 4.
Seeds, Grass, grain, timothy, etc. The Albert Dickinson Company. 49,834–8, Feb. 20, 1906. Republished Oct. 4.
Seeds, Lawn grass. The Albert Dickinson Company. 229,188, June 21, 1927. Republished Oct. 4.

CLASS 2

Bag for holding children's toys, Decorated cloth. Richard G. Krueger, Incorporated. 516,082, Oct. 4; Serial No. 496,709.
Bags, Paper. Gulf States Paper Corporation. 515,950, Oct. 4; Serial No. 547,631, published June 21, 1949.
Basket, Collapsible wire laundry. M. Sloane. 516,100, Oct. 4; Serial No. 525,693.
Boxes, Empty paper gift. M. L. Gibson. 516,085, Oct. 4; Serial No. 502,435.
Boxes, Folding paper, industrial cartons, paper and fibre drums, etc. Climax Manufacturing Company. 516,020, Oct. 4; Serial No. 555,053, published May 31, 1949.
Caskets, Funeral. Sutton Manufacturers, Inc. 516,023, Oct. 4; Serial No. 555,849, published May 31, 1949.
Cups, Paper. United States Envelope Company. 265,048, renewed Dec. 10, 1949. O. G. Oct. 4.
Envelopes, Paper merchandise. Cohoes Envelope Company, Inc. 516,027, Oct. 4; Serial No. 556,246, published May 31, 1949.
Jewelry, Ornamental. New England Glass Works, Inc. 426,022, Dec. 10, 1946. Republished Oct. 4.
Tanks, Liquid fuel. Tokheim Oil Tank and Pump Company. 515,859, Oct. 4; Serial No. 528,660, published June 21, 1949.

CLASS 3

Bags, Traveling. L-U-C-E Manufacturing Company. 515,997, Oct. 4; Serial No. 551,984, published Mar. 29, 1949.
Pocketbooks and handbags, Women's, misses', and children's. Best & Co. Inc. 390,451, Sept. 23, 1941. Republished Oct. 4.
Suitcases and handbags. Lincoln Luggage Company, Inc. 516,114, Oct. 4; Serial No. 544,357.

CLASS 4

Abrasive products, Coated. Armour and Company. 515,862, Oct. 4; Serial No. 529,858, published June 14, 1949.
Cleaners and solvents. Inland Rubber Corporation. 515,875, Oct. 4; Serial No. 531,603, published June 14, 1949.
Cleaning compositions, Liquid. The Multistamp Company, Inc. 516,018, Oct. 4; Serial No. 554,804, published Mar. 8, 1949.
Cleaning fluid, Non-inflammable dry. The Fleischer Mills, Inc. 515,865, Oct. 4; Serial No. 530,183, published June 14, 1949.
Cleaning liquids. R. B. Parker. 516,065, Oct. 4; Serial No. 565,005, published June 28, 1949.
Cleanser for wood, cork, and linoleum. Walter G. Legge Company, Inc. 516,069, Oct. 4; Serial No. 565,638, published June 14, 1949.
Cleanser for wood, cork, and linoleum. Walter G. Legge Company, Inc. 516,070, Oct. 4; Serial No. 565,640, published June 14, 1949.
Compound, Dishwashing. John Sexton & Co. 516,072, Oct. 4; Serial No. 566,036, published June 28, 1949.
Conditioner, Golf club grip. K. Smith. 515,879, Oct. 4; Serial No. 585,267, published June 28, 1949.
Detergent, Concentrated lathering synthetic. Fischer Industries, Inc. 516,034, Oct. 4; Serial No. 557,839, published June 14, 1949.
Detergent washing powder. Pfanstiehl Detergent Chemicals, Inc. 516,073, Oct. 4; Serial No. 566,098, published June 28, 1949.
Discs, Buffing, and buffing wheels. Williamsville Buff Mfg. Co. 516,033, Oct. 4; Serial No. 557,170, published Jan. 11, 1949.
Emulsifying and cleansing agent. Stedford Chemical Co. 515,840, Oct. 4; Serial No. 501,881, published June 21, 1949.
Mellowing compound, Water resisting and leather. Manufacturing Laboratories, Inc. 515,958, Oct. 4; Serial No. 547,564, published June 28, 1949.
Shampoo, Hair lathering oil. A. G. Treel, Inc. 516,119, Oct. 4; Serial No. 552,184.
Shaving cream, face and bath soaps. Elizabeth Arden Sales Corporation. 422,797, Aug. 13, 1946. Republished Oct. 4.
Soap. Armour and Company. 515,964, Oct. 4; Serial No. 548,456, published June 14, 1949.
Soap. Armour and Company. 515,965, Oct. 4; Serial No. 548,462, published June 28, 1949.
Soap. P. Beiersdorf & Co. Inc. 264,325, renewed Nov. 26, 1949. O. G. Oct. 4.
Soap. H. Kohnstamm & Co., Inc. 516,066, Oct. 4; Serial No. 565,561, published June 14, 1949.
Soap compounds. Harco Chemical Company. 443,422, Oct. 4; Serial No. 508,477, published June 14, 1949.
Soap, Grit hand. Armour and Company. 515,966, Oct. 4; Serial No. 548,464, published June 28, 1949.
Soap, Liquid. The Hexter-Stewart Corporation Company. 134,966, Sept. 21, 1920. Republished Oct. 4.
Soap, Toilet. Colgate-Palmolive-Peet Company. 516,001, Oct. 4; Serial No. 552,121, published June 28, 1949.
Soap, Toilet. Pitkin, Inc. 515,888, Oct. 4; Serial No. 537,352, published June 14, 1949.
Soaps. Parfumerie & Savonnerie Gilot Societe Anonyme. 515,844, Oct. 4; Serial No. 508,237, published June 14, 1949.
Soaps, Bath and toilet. Elizabeth Arden Sales Corporation. 516,048, Oct. 4; Serial No. 559,413, published June 14, 1949.
Solvents, Liquid. Metal-Clean Solvent Corporation. 516,098, Oct. 4; Serial No. 523,091.
Washing compound. Blue Suds Company. 516,067, Oct. 4; Serial No. 565,607, published June 14, 1949.
Wax for washing purposes, Paraffin, and harness oil. Standard Oil Company of New Jersey. 259,398, renewed July 30, 1949. O. G. Oct. 4.

CLASS 6

Air refreshant preparation. The Deb Company. 515,922, Oct. 4; Serial No. 544,063, published June 21, 1949.
Antibacterial preparation. Sharp & Dohme, Incorporated. 516,048, Oct. 4; Serial No. 560,059, published June 21, 1949.
Antiseptic, Inhibitory. C. A. Mosso Company. 516,061, Oct. 4; Serial No. 564,084, published June 28, 1949.

Bactericidal solutions. Ward Blenkinsop & Company Limited. 516,040, Oct. 4; Serial No. 559,133, published June 21, 1949.
Baking powder, baking soda, cream of tartar, etc. The H. D. Lee Mercantile Company. 81,279, Mar. 21, 1911. Republished Oct. 4.
Bicarbonate of soda, salt, lye, etc. The Grocers & Producers Co. 264,868, renewed Dec. 10, 1949. O. G. Oct. 4.
Calcium chloride compound. Faesy & Besthoff, Inc. 515,994, Oct. 4; Serial No. 551,882, published June 28, 1949.
Calcium gluconate wafers, and thiamin hydrochloride. The Los Angeles Laboratories, Inc. 516,050, Oct. 4; Serial No. 560,767, published June 21, 1949.
Cascara bark. S. B. Penick & Company. 516,062, Oct. 4; Serial No. 564,212, published June 28, 1949.
Chemical. Safety Fumigant Company. 516,060, Oct. 4; Serial No. 563,570, published June 28, 1949.
Chemical compounds, Finishing. American Aniline Products, Inc. 373,011, Nov. 21, 1939. Republished Oct. 4.
Chemical wetting agent. Gordon Johnson Company. 516,111, Oct. 4; Serial No. 542,118.
Chemicals. American Aniline Products, Inc. 358,122, June 28, 1938. Republished Oct. 4.
Cream used for easing of teething pains and painful gums. Velvet Pharmaceutical Products Co., Inc. 515,927, Oct. 4; Serial No. 544,796, published June 28, 1949.
Dyes. American Aniline Products, Inc. 358,123, June 28, 1938. Republished Oct. 4.
Dyes, dyestuffs, and dyestuff intermediates, and chemicals. General Dyestuff Corporation. 224,827, Mar. 8, 1927. Republished Oct. 4.
Dyestuffs. American Aniline Products, Inc. 355,249, Mar. 8, 1938. Republished Oct. 4.
Embalming fluid. Egyptian Chemical Company. 516,031, Oct. 4; Serial No. 556,954, published June 28, 1949.
Face powder. House of Westmore, Inc. 516,045, Oct. 4; Serial No. 559,770, published June 28, 1949.
Fungicide. McKesson & Robbins, Incorporated. 516,077, Oct. 4; Serial No. 567,707, published June 28, 1949.
Hydrocarbon oil. The Barrett Company. 259,899, renewed Aug. 13, 1949. O. G. Oct. 4.
Inhalent. W. G. Orr. 516,039, Oct. 4; Serial No. 558,583, published June 28, 1949.
Insecticide. C. L. McGraw. 516,041, Oct. 4; Serial No. 559,166, published June 28, 1949.
Insecticides. American Company of Arkansas. 258,363, renewed July 2, 1949. O. G. Oct. 4.
Insecticides. West Disinfecting Company. 516,123, Oct. 4; Serial No. 556,856.
Liquid preparations for treatment of colds, headaches, neuralgia, etc. Monticello Drug Company. 516,054, Oct. 4; Serial No. 562,080, published June 21, 1949.
Medicinal preparations. Angier Chemical Company. 515,923, Oct. 4; Serial No. 544,243, published June 7, 1949.
Medicine. Donley-Evans & Company. 516,035, Oct. 4; Serial No. 558,017, published June 28, 1949.
Mineral oil. Stanco Incorporated. 258,563–5, renewed July 9, 1949. O. G. Oct. 4.
Mineral, vitamin preparation. Sharp & Dohme, Incorporated. 516,042, Oct. 4; Serial No. 559,249, published June 21, 1949.
Ointment and lotion, Foot. N. B. Alterman. 516,059, Oct. 4; Serial No. 563,387, published June 28, 1949.
Organic chemical preparation; chemical preparations. Tennessee Eastman Corporation. 508,347, Apr. 12, 1949. Corrected. O. G. Oct. 4.
Perfume, toilet water, lipstick, etc. Parfumerie Agnel, Societe a Responsabilite Limitee. 516,024, Oct. 4; Serial No. 556,023, published June 28, 1949.
Perfumes, toilet water, face powder, etc. Lentheric Incorporated. 516,088, Oct. 4; Serial No. 558,567, published June 28, 1949.
Perfumes, toilet waters, toilet creams, etc. Mira Young, Inc. 516,037, Oct. 4; Serial No. 558,406, published June 28, 1949.
Pharmaceutical preparation. Franklin Laboratories, Inc. 515,913, Oct. 4; Serial No. 542,758, published June 21, 1949.
Pharmaceutical products. Menley & James Limited. 263,773, renewed Nov. 12, 1949. O. G. Oct. 4.
Plasticiser. Kuttroff, Pickhardt & Co., Inc. 267,348, Feb. 18, 1930. Republished Oct. 4.
Powder, B-complex. Standard Brands Incorporated. 516,026, Oct. 4; Serial No. 556,225, published June 28, 1949.
Preparation for preventing the contraction of venereal diseases. R. A. Bachmann. 93,321, Sept. 9, 1913. Republished Oct. 4.
Preparation intended for local application to the nasal mucous membrane. Burroughs Wellcome & Co. (U. S. A.) Inc. 516,078, Oct. 4; Serial No. 567,902, published June 28, 1949.
Suppositories, Antiseptic, antiseptic powder, and antiseptic jelly. Bendiner & Schlesinger, Inc. 264,231, renewed Nov. 19, 1949. O. G. Oct. 4.
Toilet water, perfume, perfume extracts, etc. Best & Co. Inc. 441,415, Nov. 23, 1948. Republished Oct. 4.
Tonic for dry hair, tonic for oily hair, tonic for whitening gray hair, etc. J. Ogilvie. 151,041, renewed Jan. 5, 1948. O. G. Oct. 4.
Vitamin tablets. Miles Laboratories, Inc. 390,138, Sept. 9, 1941. Republished Oct. 4.
Waterproofing and water-repelling agents. American Aniline Products, Inc. 351,194, Oct. 19, 1937. Republished Oct. 4.

CLASS 7

Rope, Wire. A. Leschen & Sons Rope Company. 338,670, Sept. 15, 1936. Republished Oct. 4.

CLASS 8

Jewelry, Ornamental. New England Glass Works, Inc. 426,022, Dec. 10, 1946. Republished Oct. 4.

CLASS 10

Cultures of nodule bacteria. The Albert Dickinson Company. 99,039, Aug. 11, 1914. Republished Oct. 4.
Fertilizer. Armour and Company. 515,858, Oct. 4; Serial No. 528,408, published June 28, 1949.
Fertilizer. Armour and Company. 515,861, Oct. 4; Serial No. 529,851, published June 21, 1949.
Fertilizer and more especially a fertilizer containing an insecticide. Bycolife Fertiliser Manufacturing Company. 516,058, Oct. 4; Serial No. 562,978, published May 17, 1949.
Fertilizer and plant food. Kaw River Valley Fertilizer Co. 515,996, Oct. 4; Serial No. 551,981, published Dec. 28, 1948.
Fertilizers. The Davison Chemical Corporation. 515,869, Oct. 4; Serial No. 530,474, published May 3, 1949.
Fertilizers. International Minerals & Chemical Corporation. 516,064, Oct. 4; Serial No. 564,626, published May 17, 1949.
Fertilizers. Norsk Hydro-Elektrisk Kvaelstofaktieselskab. 516,063, Oct. 4; Serial No. 564,257, published May 17, 1949.
Fertilizers composed of phosphate, potash, etc. Dr. P. Phillips Fertilizers Inc. 516,130, Oct. 4; Serial No. 566,647.
Guano, commercial fertilizers, and limestone. The American Agricultural Chemical Company. 264,116, renewed Nov. 19, 1949. O. G. Oct. 4.
Humus mixture for soil improvement. F. O. Engle. 515,889, Oct. 4; Serial No. 538,114, published June 21, 1949.
Inoculants, Bacterial. Kalo Inoculant Company. 515,901, Oct. 4; Serial No. 540,827, published June 21, 1949.
Seeds, Grass, clover and field, seed-grains, etc. The Albert Dickinson Co. 36,619, June 18, 1901. Republished Oct. 4.

CLASS 12

Building units, Concrete. The Celotex Corporation. 516,081, Oct. 4; Serial No. 550,119, published June 7, 1949.
Compounds, Caulking, waterproofing compounds, and metallic powdered hardeners. Sun Chemical Corporation. 515,941, Oct. 4; Serial No. 545,789, published June 28, 1949.
Construction material. C. L. Olson. 261,900, renewed Sept. 24, 1949. O. G. Oct. 4.
Door installations, Complete upward-acting. Crawford Door Company. 516,007, Oct. 4; Serial No. 552,576, published June 7, 1949.
Doors, door frames, windows, etc., Metal bi-passing. Virginia Metal Products Corporation. 515,894, Oct. 4; Serial No. 539,371, published May 24, 1949.
Mortar, High temperature bonding. Mexico Refractories Company. 516,109, Oct. 4; Serial No. 541,865.
Mortar, High temperature bonding. Mexico Refractories Company. 516,110, Oct. 4; Serial No. 541,944.
Roofing, Roll, asphalt shingles, asphalt and fibre cements, etc. Eastern States Farmers' Exchange. 515,990, Oct. 4; Serial No. 551,254, published June 7, 1949.
Shingles, Composition. The Logan-Long Company. 262,758, renewed Oct. 22, 1949. O. G. Oct. 4.
Storm and screen door, Combination. The Combination Door Co. 516,112, Oct. 4; Serial No. 542,445.
Strips and trim elements, Metallic molding. The Colotrym Company. 516,005, Oct. 4; Serial No. 552,439, published June 14, 1949.
Stucco and plaster. Stonecoat. 516,105, Oct. 4; Serial No. 538,194.
Wood flooring and wood trim. Fordyce Lumber Company. 394,098, Mar. 17, 1942. Republished Oct. 4.

CLASS 13

Cookers, Steam-pressure. National Pressure Cooker Company. 263,517, renewed Nov. 5, 1949. O. G. Oct. 4.
Door-hinges and enameled ware. Herr & Company. 108,601, Feb. 15, 1916. Republished Oct. 4.
Fence, Metal, and fence made partly of metal, etc. Page Steel and Wire Company. 262,417, renewed Oct. 8, 1949. O. G. Oct. 4.
Hinge, Toilet seat, valve handles, radiator handles and chrome replacement handles for faucets. Chicago Specialty Manufacturing Co. 516,125, Oct. 4; Serial No. 557,592.
Utensils, Aluminum cooking and roasting. Wm. Richman Supply Corp. 516,101, Oct. 4; Serial No. 526,291.

CLASS 14

Alloys, Bronze casting and forging. Koppers Company, Inc. 516,068, Oct. 4; Serial No. 565,632, published June 7, 1949.
Alloys, Non-corrosive and wear-resisting. Permo Incorporated. 516,044, Oct. 4; Serial No. 559,429, published June 28, 1949.
Aluminum in powder or paste form. English Metal Powder Company Limited. 515,993, Oct. 4; Serial No. 551,547, published May 31, 1949.
Babbitt metal. Syracuse Smelting Works. 111,983, Apr. 15, 1916. Republished Oct. 4.
Castings and forgings. Heppenstall Forge & Knife Company. 262,022, renewed Sept. 24, 1949. O. G. Oct. 4.
Castings, Die. Madison-Kipp Corporation. 516,025, Oct. 4; Serial No. 556,110, published June 7, 1949.
Electrodes, Metal welding. National Cylinder Gas Company. 516,053, Oct. 4; Serial No. 561,848, published June 7, 1949.
Forgings, Drop. Harrisburg Steel Corporation. 515,846, Oct. 4; Serial No. 511,215, published Apr. 26, 1949.
Forgings, Steel, and aluminum forgings. Mueller Co. 515,929, Oct. 4; Serial No. 545,149, published May 24, 1949.
Foundry products, Rough pearlitic alloy cast iron. Mackintosh-Hemphill Company. 443,427, Oct. 4; Serial No. 525,000, published May 24, 1949.
Foundry products, Unfinished cast alloy steel. Mackintosh-Hemphill Company. 443,428, Oct. 4; Serial No. 525,001, published May 31, 1949.
Iron and steel. Jonas & Colver (Novo) Limited. 516,071, Oct. 4; Serial No. 565,897, published June 7, 1949.
Metal, Brazing. All-State Welding Alloys Co., Inc. 516,080, Oct. 4; Serial No. 556,860, published May 24, 1949.
Metals and metal castings and forgings. Parker Rust Proof Company. 516,080, Oct. 4; Serial No. 547,026, published May 24, 1949.
Steel ingots, blooms, slabs, etc. Carnegie-Illinois Steel Corporation. 516,074, Oct. 4; Serial No. 566,210, published June 14, 1949.
Steel sheets and ferrous metal bars. Bowsteel Distributors Corporation. 516,051, Oct. 4; Serial No. 561,072, published June 7, 1949.
Thermostatic bimetals. The H. A. Wilson Company. 515,952, Oct. 4; Serial No. 547,089, published June 7, 1949.
Tool steel, Oil-hardening. The Midvale Company. 516,076, Oct. 4; Serial No. 566,990, published June 14, 1949.
Type, Printing. American Type Founders, Incorporated. 516,028, Oct. 4; Serial No. 556,676, published May 31, 1949.

CLASS 15

Gasolines. Phillips Petroleum Company. 257,448, renewed June 11, 1949. O. G. Oct. 4.
Oil, Motor lubricating. Atlas Lubricant Corporation. 516,106, Oct. 4; Serial No. 539,480.
Oils and greases, Lubricating. American Oil Works Co. 263,882, renewed Nov. 12, 1949. O. G. Oct. 4.
Oils, Hydrocarbon motor-fuel, lubricating oils, lubricating greases, etc. The Pure Oil Company. 264,485, renewed Nov. 26, 1949. O. G. Oct. 4.
Oils, waxes, and greases, Lubricating. Union Oil Company of California. 264,371, renewed Nov. 26, 1949. O. G. Oct. 4.

CLASS 16

Gloss, Liquid, and floor dressing. Standard Oil Company of New Jersey. 258,648, renewed July 9, 1949. O. G. Oct. 4.
Gloss, Liquid, and floor dressing. Standard Oil Company of New Jersey. 259,362, renewed July 30, 1949. O. G. Oct. 4.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 516,011, Oct. 4; Serial No. 553,094, published June 14, 1949.
Cigars. Goldsmit-Black, Inc. 307,629, Oct. 31, 1933. Republished Oct. 4.
Cigars. A. Sensenbrenner Sons. 515,906, Oct. 4; Serial No. 541,568, published June 14, 1949.
Cigars. A. Sensenbrenner Sons. 515,957, Oct. 4; Serial No. 547,489, published June 14, 1949.
Cigars, cigarettes, smoking tobacco, etc. Brown & Williamson Tobacco Corporation. 515,908, Oct. 4; Serial No. 542,079, published Aug. 24, 1948.
Cigars, smoking and chewing tobacco. Rothenberg & Schloss Cigar Company. 516,015, Oct. 4; Serial No. 553,906, published June 21, 1949.
Tobacco, Plug and twist. Taylor Brothers, Inc. 515,852, Oct. 4; Serial No. 525,436, published June 14, 1949.
Tobacco, Plug, twist and smoking. Taylor Brothers, Inc. 515,849–51, Oct. 4; Serial Nos. 525,427–29, published June 21, 1949.
Tobacco, Smoking. The American Tobacco Company. 516,000, Oct. 4; Serial No. 552,108, published June 14, 1949.
Tobacco, Smoking. The American Tobacco Company. 516,013, Oct. 4; Serial No. 553,664, published June 14, 1949.
Tobacco, Smoking. Sutliff Tobacco Company. 515,951, Oct. 4; Serial No. 546,885, published June 21, 1949.

CLASS 19

Automobiles. The Studebaker Corporation. 515,874, Oct. 4; Serial No. 531,159, published July 5, 1949.
Automobiles, motor-buses, carriage bodies, etc. Million-Guiet-Tubauto. 443,423, Oct. 4; Serial No. 509,436, published July 5, 1949.
Automotive equipment and accessories. Laher Spring and Tire Corporation. 515,842, Oct. 4; Serial No. 507,322, published May 31, 1949.
Bicycles. The Westfield Manufacturing Company. 515,885, Oct. 4; Serial No. 536,472, published July 5, 1949.
Bicycles, wheelbarrows and infants' cribs for use in automobiles. Oakes & Company. 443,415, Oct. 4; Serial No. 497,810, published July 5, 1949.
Boats, Gasoline and diesel powered. M. Johnson. 516,047, Oct. 4; Serial No. 559,926, published July 5, 1949.
Bodies for garbage and refuse handling trucks. Gar Wood Industries, Inc. 516,093, Oct. 4; Serial No. 517,899.
Brakes, Hand, for railway cars. W. H. Miner, Inc. 515,872, Oct. 4; Serial No. 530,833, published July 5, 1949.
Bumper and trailer hitch, Combined vehicle. C. R. Perry. 515,886, Oct. 4; Serial No. 537,078, published July 5, 1949.
Closures, Selflocking, for fuel tanks of motor vehicles. Western Automotive Company. 516,089, Oct. 4; Serial No. 515,058.
Dollies and hand trucks and parts therefor, Manually operated. The Globe Company. 515,962, Oct. 4; Serial No. 548,067, published July 5, 1949.
Guards, Bumper, grille guards, fender guards, etc. Erie Manufacturing Co., Inc. 515,914, Oct. 4; Serial No. 543,155, published July 5, 1949.
Pads made of rubber and metal for automobile accelerator, brake, clutch and starter pedals. Doan Manufacturing Corp. 515,975, Oct. 4; Serial No. 549,520, published July 5, 1949.
Seats, hammocks, Automobile baby. Dennis-Mitchell Industries. 516,022, Oct. 4; Serial No. 555,378, published July 5, 1949.
Springs, Railway car, dampers, snubbers, etc. American Steel Foundries. 515,943, Oct. 4; Serial No. 545,809, published June 7, 1949.
Table top and cabinet, Combination, for motor vehicles, trains, boats, etc. M. S. Gainsboro. 443,416, Oct. 4; Serial No. 500,872, published July 5, 1949.
Trailers. Whitehead & Kales Company. 515,896, Oct. 4; Serial No. 540,003, published Jan. 4, 1949.
Trailers, Automobile house. Spartan Aircraft Company. 516,021, Oct. 4; Serial No. 555,315, published July 5, 1949.
Trailers, House. W. B. MacDonald, Jr. 516,086, Oct. 4; Serial No. 503,108.
Trucks and trailers, Industrial. The Ohio Galvanizing & Manufacturing Company. 515,898, Oct. 4; Serial No. 540,100, published July 5, 1949.
Trucks and wheels therefor, Hand. F. E. Gaines. 515,853, Oct. 4; Serial No. 526,668, published June 7, 1949.
Trucks, Dumping, and industrial trucks. The Baker-Raulang Company. 516,052, Oct. 4; Serial No. 561,366, published July 5, 1949.
Trucks, Hand. The American Pulley Company. 516,019, Oct. 4; Serial No. 554,849, published July 5, 1949.
Ventilators for vehicles. J. Divizia. 516,096, Oct. 4; Serial No. 522,863.
Weight, Automobile wheel-balance. H. E. Powell. 516,102, Oct. 4; Serial No. 530,562.
Wheels for industrial hand trucks. St. John & Co. 516,095, Oct. 4; Serial No. 521,370.

CLASS 20

Linoleum and felt base, floor and wall coverings, etc. Armstrong Cork Company. 515,845, Oct. 4; Serial No. 508,507, published June 28, 1949.

CLASS 21

Conductors, Insulated electrical. The Simplex Electrical Company. 74,391, re-renewed July 6, 1949. O. G. Oct. 4.
Light, Concession signal. Autocrat, Inc. 516,122, Oct. 4; Serial No. 554,203.
Rod for attachment to a telephone for dialing purposes, Ball tipped, spring supported. East River Metal Products, Inc. 516,118, Oct. 4; Serial No. 549,719.

CLASS 22

Balls, Golf, footballs, basket balls, etc. F. W. Woolworth Co. 516,124, Oct. 4; Serial No. 557,572.
Dogs, Woolly, dolls, rattles, etc. Best & Co. Inc. 232,557, Sept. 13, 1927. Republished Oct. 4.
Dolls. Ideal Novelty & Toy Co. 516,128, Oct. 4; Serial No. 560,021.
Dolls. Independent Retailers Syndicate, Inc. 516,126. Oct. 4; Serial No. 559,606.
Game, Educational picture disc. I. R. Brown. 516,091, Oct. 4; Serial No. 516,887.
Toy stuffed elephants. D. M. Pierce. 516,107, Oct. 4; Serial No. 540,452.
Toys, games, and sporting goods. Best & Co. Inc. 306,339, Sept. 19, 1933. Republished Oct. 4.

CLASS 23

Bearings, Anti-friction. McGill Manufacturing Company, Inc. 515,977, Oct. 4; Serial No. 549,558, published July 5, 1949.
Bench stops. P. V. Roberts Company. 516,094, Oct. 4; Serial No. 521,088.
Blades, Razor. Autostrop Safety Razor Co. Inc. 258,371, renewed July 2, 1949. O. G. Oct. 4.
Block or tray used ior holding a roast of meat or fowl to be carved. H. P. Wells. 515,946, Oct. 4; Serial No. 546,074, published June 28, 1949.
Bolters, Flour. Norvell-Williams, Inc. 516,004, Oct. 4; Serial No. 552,261, published June 28, 1949.
Boxes, Core, and dryer shells. H. J. Jacobson. 515,971, Oct. 4; Serial No. 549,075, published June 21, 1949.
Burglar alarms, Mechanical. L. A. Kling, Jr. 515,933, Oct. 4; Serial No. 545,489, published June 21, 1949.
Centrifuges other than cream separators. The De Laval Separator Company. 443,418, Oct. 4; Serial No. 503,502, published June 28, 1949.
Conveyors, Roller. Lyon Metal Products, Incorporated. 515,887, Oct. 4; Serial No. 537,208, published June 28, 1949.
Cutting tool tips and cutting tools incorporating the same, etc., Cemented carbide. Crucible Steel Company of America. 515,864, Oct. 4; Serial No. 530,044, published July 5, 1949.
Drag rod units, Ground engaging. Better-Bilt Manufacturing Company. 443,426, Oct. 4; Serial No. 524,171, published June 28, 1949.
Grinding, polishing and lapping machines and parts thereof. Crane Packing Company. 516,046, Oct. 4; Serial No. 559,876, published June 28, 1949.
Hammermills. Dixie Machinery Manufacturing Company. 515,856, Oct. 4; Serial No. 527,771, published June 21, 1949.
Hoists, Mechanical. Bethlehem Supply Company. 443,419, Oct. 4; Serial No. 503,629, published June 21, 1949.
Hoists used in building construction, concrete mixers, air compressors, and concrete vibrators. Thomas Hoist Company. 516,108, Oct. 4; Serial No. 541,605.
Implement, Kitchen, D. Wood. 516,006, Oct. 4; Serial No. 552,535, published June 21, 1949.
Implements for holding and scaling fish in the cleaning thereof. R. H. Hobrock. 515,949, Oct. 4; Serial No. 546,496, published June 28, 1949.
Lawn mowers, Power operated. Beasley Power Mower Co. 515,871, Oct. 4; Serial No. 530,709, published June 28, 1949.
Lifts and reciprocating jacks, Automatic vehicle. The United States Air Compressor Company. 515,860, Oct. 4; Serial No. 529,730, published June 28, 1949.
Machine tools, Small power driven, and parts thereof. The Sohi Tool Company. 515,930, Oct. 4; Serial No. 545,178, published July 5, 1949.
Machinery. Nordberg Manufacturing Company. 262,422, renewed Oct. 5, 1949. O. G. Oct. 4.
Machines and tools. C. Tennant Sons & Co. 515,837, Oct. 4; Serial No. 489,542, published June 28, 1949.
Machines, hydraulic pumps, and hoists. Kay-Brunner Steel Products, Inc. 347,481, June 29, 1937. Republished Oct. 4.
Molding machinery, Concrete block. J. W. Appley & Son, Inc. 515,848, Oct. 4; Serial No. 521,309, published June 21, 1949.
Pocketknives, scissors, and cigar cutters. Shiman Mfg. Co. Inc. 258,223, renewed July 2, 1949. O. G. Oct. 4.
Presses, Hydraulic. American Steel Foundries. 515,967, Oct. 4; Serial No. 548,627, published June 21, 1949.
Presses, Inclinable power. Johnson Machine and Press Corporation. 515,841, Oct. 4; Serial No. 506,321, published June 28, 1949.
Presses, Metal working. Bethlehem Steel Company. 516,029, Oct. 4; Serial No. 556,683, published June 21, 1949.
Pump shafts and poppet valves. Thompson Products, Inc. 249,035, Nov. 6, 1928. Republished Oct. 4.
Pumping apparatus, Portable and stationary. Lincoln Engineering Company. 515,855, Oct. 4; Serial No. 527,144, published June 21, 1949.
Punches, Hand operated. Boorum & Pease Company. 515,877, Oct. 4; Serial No. 533,132, published June 28, 1949.
Seeds, Grass, clover, and field, seed-grains, etc. The Albert Dickinson Co. 36,619, June 18, 1901. Republished Oct. 4.
Separator or gas trap, Mechanically operated. Pipe Fabricating & Supply Co. 515,890, Oct. 4; Serial No. 538,312, published July 5, 1949.
Shaft couplings, Flexible rotative. W. E. Camerino. 516,117, Oct. 4; Serial No. 549,712.
Spoons, Single service, disposable one-piece wooden. Oval Wood Dish Corporation. 515,903–4, Oct. 4; Serial Nos. 541,173–4, published June 28, 1949.
Threading machines and turret lathes. The Oster Manufacturing Company. 515,893, Oct. 4; Serial No. 539,075, published July 5, 1949.
Tools, Machine. Potter and Johnston Machine Company. 515,973, Oct. 4; Serial No. 530,843, published July 5, 1949.
Tractors, Farm, and a pressure type mixing machine or applicator. Aerco Corporation. 443,421, Oct. 4; Serial No. 506,150, published June 28, 1949.
Tractors, Power operated garden. B. A. Winter. 515,839, Oct. 4; Serial No. 501,550, published June 21, 1949.
Vending machines, Electric cigarette. M. Caruso. 438,423, Apr. 20, 1948; republished Oct. 4.
Wheels, Molded plastic, doilies per se, cranes, jigs, and fixtures, etc. The Rapids-Standard Company, Inc. 438,215, Apr. 13, 1948. Republished Oct. 4.
Window washer. M. Sunakes. 443,420, Oct. 4; Serial No. 505,456, published June 21, 1949.

CLASS 24

Clothes pins. Clover Farm Stores Corporation. 516,017, Oct. 4; Serial No. 554,088, published June 21, 1949.
Dry-cleaning mechanism and apparatus. The American Laundry Machinery Company. 515,881, Oct. 4; Serial No. 535,371, published June 14, 1949.
Finishing appliances, Shirt. The Key-Tag Checking System Company. 516,014, Oct. 4; Serial No. 553,714, published June 21, 1949.
Holders for flat irons, Iron storage. Wil-Stan Products Company. 515,883, Oct. 4; Serial No. 536,023, published June 14, 1949.
Pressing machines for laundry use, Power-operated. Brown & Green Limited. 516,084, Oct. 4; Serial No. 502,185.

CLASS 25

Keys, locks, and parts thereof. H. Hoffman. 515,963, Oct. 4; Serial No. 548,077, published June 21, 1949.

CLASS 26

Films, Moving-picture. Paramount Famous Lasky Corporation. 259,743, renewed Aug. 6, 1949. O. G. Oct. 4.
Meters, Liquid and gas, Venturi tubes, pitot tubes, etc. Simplex Valve & Meter Company. 264,912, Dec. 10, 1929. Republished Oct. 4.

CLASS 28

Jewelry. Shiman Mfg. Co. Inc. 258,243, renewed July 2, 1949. O. G. Oct. 4.
Jewelry, Ornamental. New England Glass Works, Inc. 426,022, Dec. 10, 1946. Republished Oct. 4.
Jewelry; silver dresser sets, and silver tableware. Best & Co. Inc. 212,762, May 11, 1926. Republished Oct. 4.

CLASS 30

Crockery and dishes. The Buckley Newhall Company. 281,853–4, Mar. 31, 1931. Republished Oct. 4.
Earthenware. The Homer Laughlin China Company. 516,003, Oct. 4; Serial No. 552,243, published June 7, 1949.

CLASS 31

Refrigerating cabinet, Counter type. Sunfilled Industries, Inc. 516,127, Oct. 4; Serial No. 559,799.

CLASS 32

Chairs, High, and crib mattresses. Scharco Manufacturing Company, Inc. 516,016, Oct. 4; Serial No. 554,046, published July 5, 1949.
Cover, Davenport and couch. Edson, Incorporated. 515,915, Oct. 4; Serial No. 543,285, published June 21, 1949.
Covers, Slip, chair recovers, cushion pillows, chair pads. Crawford Manufacturing Co., Inc. 516,002, Oct. 4; Serial No. 552,233, published June 21, 1949.
Furniture, Bedroom. Drexel Furniture Company. 516,103, Oct. 4; Serial No. 535,496.
Furniture, Bedroom. Drexel Furniture Company. 516,104, Oct. 4; Serial No. 535,499.
Furniture, Bedroom, living room, and dining room. Dixon-Powdermaker Furniture Company. 516,092, Oct. 4; Serial No. 516,967.
Furniture, Juvenile. Bakraft Products Company. 515,921, Oct. 4; Serial No. 544,029, published June 21, 1949.
Furniture, Juvenile. Guild Industries. 516,055, Oct. 4; Serial No. 562,590, published June 28, 1949.
Furniture, Outdoor. Bunting Glider Company. 515,909–10, Oct. 4; Serial Nos. 542,275–6, published June 21, 1949.
Furniture, Upholstered. B. Altman & Co. 118,732, Oct. 2, 1917. Republished Oct. 4.
High chair and car seat, Children's combination, and children's easy chairs. E-V Supply Co. Inc. 515,892, Oct. 4; Serial No. 538,739, published July 5, 1949.
Mattresses. Logan Co. 516,009, Oct. 4; Serial No. 552,993, published July 5, 1949.
Mattresses. The Chas. A. Maish Co. 516,012, Oct. 4; Serial No. 553,498, published June 21, 1949.
Mattresses and box springs. Spring-Air Company. 515,868, Oct. 4; Serial No. 530,444, published June 21, 1949.
Mattresses and box springs. The Stearns & Foster Company. 515,978, Oct. 4; Serial No. 549,374, published June 21, 1949.
Seats for grandstands or stadiums. Tulsa Canvas Products Company. 515,838, Oct. 4; Serial No. 493,082, published June 21, 1949.

Shades and Venetian blinds, Wood splint. Hough Shade Corporation. 516,008, Oct. 4; Serial No. 552,973, published June 21, 1949.
Yards and pens, Play. Thayer, Inc. 515,899, Oct. 4; Serial No. 540,738, published June 21, 1949.

CLASS 34

Burners and controls and spare and repair parts thereof, Oil. Breese Burners, Inc. 516,115, Oct. 4; Serial No. 548,787.
Lighters, Safety extension. American Metalcraft Corporation. 516,120, Oct. 4; Serial No. 553,798.
Lighters, Safety extension. American Metalcraft Corporation. 516,121, Oct. 4; Serial No. 553,800.
Ranges and spaceheaters, Gas. Robinson Sales Company. 516,099, Oct. 4; Serial No. 523,106.

CLASS 36

Phonographs, talking-machines, pianos, etc. The Buckley Newhall Company. 106,209–10, Oct. 19, 1915. Republished Oct. 4.
Strings for bowed and fretted musical instruments. Armour and Company. 257,652, renewed June 18, 1949. O. G. Oct. 4.

CLASS 37

Files, Expanding, letter and invoice files, etc. Cooke & Cobb Company. 217,402, Aug. 31, 1926. Republished Oct. 4.
Pads, Memorandum. N. Marlow. 515,969, Oct. 4; Serial No. 548,821, published June 7, 1949.
Paper, Writing, mailing envelopes, printing paper, and correspondence cards. Allied Stores Corporation. 441,099, Oct. 19, 1948. Republished Oct. 4.
Tissue, Toilet, and cleansing tissue. Plymouth Wholesale Dry Goods Corporation. 516,088, Oct. 4; Serial No. 509,465.

CLASS 38

Magazine, Semi-monthly. Women's Wear Magazines, Inc. 258,067, renewed June 25, 1949. O. G. Oct. 4.
Newspaper articles. The Associated Press. 259,296, renewed July 30, 1949. O. G. Oct. 4.
Picture section of a newspaper. The Register & Tribune Company. 353,141, Dec. 28, 1937. Republished Oct. 4.
Publication. Fischer Scientific Company. 263,996, renewed Nov. 12, 1949. O. G. Oct. 4.

CLASS 39

Aprons, Rubber and rubber-like. The Gates Rubber Company. 516,056, Oct. 4; Serial No. 562,776, published June 14, 1949.
Belts and buckles. Hook-Fast Specialties, Inc. 515,884, Oct. 4; Serial No. 536,086, published June 14, 1949.
Boots and shoes. Uts & Dunn Company. 233,003, Sept. 20, 1927. Republished Oct. 4.
Boots, shoes, and oxfords. W. B. Coon Company. 515,960, Oct. 4; Serial No. 547,700, published June 14, 1949.
Boots, shoes, and slippers. Dunn and McCarthy, Inc. 218,131, Sept. 21, 1926. Republished Oct. 4.
Brassières, corsets, and girdles, etc. Vogue Brassière Mfg. Co. 264,900, renewed Dec. 10, 1949. O. G. Oct. 4.
Clothing. Baracuta, (Clothiers) Limited. 443,424, Oct. 4; Serial No. 514,097, published June 14, 1949.
Clothing, Work. The H. D. Lee Mercantile Co. 306,214, Sept. 12, 1933. Republished Oct. 4.
Coats, suits, dresses, etc., Ladies'. H. L. Buehler. 515,857, Oct. 4; Serial No. 527,857, published June 14, 1949.
Coats, suits, jackets, and skirts, Ladies'. Courtshire Fashions, Inc. 515,992, Oct. 4; Serial No. 551,441, published June 14, 1949.
Coats, vests, trousers, etc. Hart Schaffner & Marx. 515,944–5, Oct. 4; Serial Nos. 546,047–8, published June 14, 1949.
Collars for men and boys. Cluett, Peabody & Co., Inc. 515,935, Oct. 4; Serial No. 545,704, published June 14, 1949.
Collars for men and boys. Cluett, Peabody & Co., Inc. 515,939–40, Oct. 4; Serial Nos. 545,712–13, published June 14, 1949.
Dresses, coats, suits, etc., Women's, misses' and children's. Best & Co. Inc. 381,650, Oct. 1, 1940. Republished Oct. 4.
Dresses, coats, suits, etc., Women's, misses', and children's. Best & Co. Inc. 390,450, Sept. 23, 1941. Republished Oct. 4.
Garments, Quilted. E. Bauer. 443,417, Oct. 4; Serial No. 501,157, published May 18, 1948.
Handkerchiefs. Best & Co. Inc. 211,535, Apr. 13, 1926. Republished Oct. 4.
Handkerchiefs. Davis & Catterall. 515,912, Oct. 4; Serial No. 542,541, published Apr. 19, 1949.
Hats for men and boys, Soft felt. Desmond's. 264,897, renewed Dec. 10, 1949. O. G. Oct. 4.
Hats, Women's and misses'. Carson Pirie Scott & Company. 263,102, renewed Oct. 29, 1949. O. G. Oct. 4.
Hose, Men's half, men's knit underwear, and men's outerwear. Winsted Hosiery Company. 515,895, Oct. 4; Serial No. 539,836, published June 14, 1949.
Hosiery. Apex Hosiery Company. 515,982, Oct. 4; Serial No. 550,289, published June 14, 1949.
Hosiery. Apex Hosiery Company. 515,983, Oct. 4; Serial No. 550,291, published June 14, 1949.
Hosiery. Associated Merchandising Corporation. 236,909, renewed Dec. 27, 1947. O. G. Oct. 4.
Hosiery. Delaware Hosiery Mills, Inc. 515,970, Oct. 4; Serial No. 548,936, published June 14, 1949.
Hosiery. Laros Textiles Company. 515,882, Oct. 4; Serial No. 535,718, published June 14, 1949.
Hosiery. Yorksheer Hosiery Company. 516,010, Oct. 4; Serial No. 553,046, published June 14, 1949.
Hosiery, Ladies'. Belvedere Hosiery Company. 515,972, Oct. 4; Serial No. 549,112, published June 14, 1949.
Hosiery, leather and fabric gloves; women's, misses', and children's dresses, negligees, etc. Best & Co. Inc. 362,249 Nov. 15, 1938. Republished Oct. 4.
Hosiery, Women's. C. C. Bonanni. 515,980, Oct. 4; Serial No. 550,115, published June 14, 1949.
Knit goods. Norwich Knitting Company. 515,961, Oct. 4; Serial No. 547,933, published June 14, 1949.
Overalls, Bib, waistband overalls, overall jackets, etc. The H. D. Lee Company, Incorporated. 430,729, June 24, 1947. Republished Oct. 4.
Overalls, Waistband. The H. D. Lee Company, Incorporated. 430,728, June 24, 1947. Republished Oct. 4.
Overcoats, topcoats, coats, etc., Men's, women's, boys', girls', children's, and infants'. Continental Mills, Inc. 515,968, Oct. 4; Serial No. 548,802, published June 14, 1949.
Pajamas, Ladies'. Holliday Pajamas, Inc. 515,916, Oct. 4; Serial No. 543,449, published June 14, 1949.
Pants and outer shirts, Men's and boys', and ladies' western style pants, etc. Dickson-Jenkins Manufacturing Company. 515,953, Oct. 4; Serial No. 547,287, published June 14, 1949.
Scarfs and mufflers. William Skinner & Sons. 515,931, Oct. 4; Serial No. 545,401, published June 14, 1949.
Sheets, Cotton, cotton pillow-cases, cotton handkerchiefs, etc. Ware Shoals Manufacturing Company. 262,944, Oct. 29, 1929. Republished Oct. 4.
Shirts, Boys' polo. Barclay Knitwear Co., Inc. 515,932, Oct. 4; Serial No. 545,422, published June 14, 1949.
Shirts for men and boys, Outer. Cluett, Peabody & Co., Inc. 515,936–7, Oct. 4; Serial Nos. 545,705–6, published June 14, 1949.
Shirts for men and boys, Outer. Cluett, Peabody & Co., Inc. 515,938, Oct. 4; Serial No. 545,710, published June 14, 1949.
Shirts, Men's sport. The Manhattan Shirt Company. 515,981, Oct. 4; Serial No. 550,246, published June 14, 1949.
Shirts, Outer. Cluett, Peabody & Co., Inc. 515,934, Oct. 4; Serial No. 545,702, published June 14, 1949.
Shirts, Outer. C. F. Hathaway Co. 515,925, Oct. 4; Serial No. 544,447, published June 14, 1949.
Shirts, Sweat. Norwich Knitting Company. 515,950, Oct. 4; Serial No. 546,723, published June 14, 1949.
Shoes. The Scholl Mfg. Co., Inc. 443,414, Oct. 4; Serial No. 483,039, published June 14, 1949.
Shoes, hats and caps, etc., Men's and boys' leather. R. H. Macy & Co., Inc. 515,947, Oct. 4; Serial No. 546,228, published June 14, 1949.
Shoes, Ladies' and misses'. Town and Country Shoes, Inc. 515,978, Oct. 4; Serial No. 549,765, published June 14, 1949.
Shoes, Leather. Keehn Brothers. 164,240, Feb. 3, 1923. Republished Oct. 4.
Slippers, Women's. Capezio, Inc. 515,988, Oct. 4; Serial No. 550,994, published June 14, 1949.
Snow suits, ski suits, ski pants and jackets. Rosen & Barnes Manufacturing Co. 515,989, Oct. 4; Serial No. 551,137, published June 14, 1949.
Suits and overcoats, Men's and boys'. Fashion Park, Inc. 515,880, Oct. 4; Serial No. 535,311, published June 14, 1949.
Suits, coats, overcoats, etc., Men's and boys'. Hart Schaffner & Marx. 515,985, Oct. 4; Serial No. 550,408, published June 14, 1949.
Suits, dresses, and blouses, Women's. Madam Bery Limited. 516,083, Oct. 4; Serial No. 497,668.
Suits, Overall union. The H. D. Lee Mercantile Company. 99,475, Sept. 1, 1914. Republished Oct. 4.
Sweaters and polo shirts, Ladies', misses', boys', and girls'. Carl Gutmann & Co., Inc. 515,924, Oct. 4; Serial No. 544,343, published June 14, 1949.
Sweaters and sweater ensembles, Ladies' and misses'. Ro-Nat Sportswear Co., Inc. 515,928, Oct. 4; Serial No. 544,907, published June 14, 1949.
Topcoats, overcoats, coats, etc. L. Greif & Bro., Inc. 217,769, Sept. 7, 1926. Republished Oct. 4.
Trousers, Men's and boys' corduroy. The H. D. Lee Mercantile Co. 326,006, July 9, 1935. Republished Oct. 4.
Underwear. Markovits Brothers, Incorporated. 515,878, Oct. 4; Serial No. 533,487, published June 14, 1949.
Underwear, Children's. Waterville Textile Mills, Inc. 170,073, July 10, 1923. Republished Oct. 4.
Wearing apparel. The H. D. Lee Mercantile Co. 130,792, May 4, 1920. Republished Oct. 4.
Work clothes. The H. D. Lee Mercantile Co. 129,176, Jan. 27, 1920. Republished Oct. 4.

CLASS 40

Combs. Halex Limited. 516,075, Oct. 4; Serial No. 566,277, published May 17, 1949.
Pads, Shoulder. Reliable Shoulder Pad, Inc. 516,131, Oct. 4; Serial No. 573,055.

CLASS 42

Crape in the piece. H. R. Mallinson & Co., Inc. 135,743, Oct. 19, 1920. New certificate. O. G. Oct. 4.
Fabrics in the piece, Silk and rayon. Rayon Fabrics Co. 442,616, May 3, 1949. Republished Oct. 4.
Goods in the piece, Woolen. S. Stein & Co. 259,639, renewed Aug. 6, 1949. O. G. Oct. 4.
Goods in the piece, Woolen. S. Stein & Co. 263,809, renewed Nov. 12, 1949. O. G. Oct. 4.
Piece goods. John Crowther & Sons (Milnsbridge) Limited. 515,917, Oct. 4; Serial No. 543,693, published Apr. 19, 1949.
Piece goods. John Crowther & Sons (Milnsbridge) Limited. 515,918, Oct. 4; Serial No. 543,695, published Apr. 19, 1949.
Piece goods, Silk. H. R. Mallinson & Co. Inc. 150,462, Jan. 3, 1922. New certificate. O. G. Oct. 4.
Piece goods, Silk, rayon, cotton, etc. H. R. Mallinson & Co., Inc. 317,297, Sept. 18, 1934. New certificate. O. G. Oct. 4.
Sheets, Bed, pillow cases, towels, etc. The Buckley Newhall Company. 360,806, Sept. 27, 1938. Republished Oct. 4.
Sheets, Cotton, cotton pillow-cases, cotton handkerchiefs, etc. Ware Shoals Manufacturing Company. 262,944, Oct. 29, 1929. Republished Oct. 4.
Woolen material, Woven. Best & Co. Inc. 365,883, Mar. 21, 1939. Republished Oct. 4.
Woolen materials, Woven. Best & Co., Inc. 365,900, Mar. 21, 1939. Republished Oct. 4.
Woolen materials, Woven. Best & Co. Inc. 384,765, Feb. 4, 1941. Republished Oct. 4.

CLASS 43

Threads and yarns. Societe Rhovyl. 516,079, Oct. 4; Serial No. 568,680, published June 7, 1949.
Yarns, threads, and filaments, Artificial-silk. Du Pont Rayon Company. 263,433, renewed Nov. 5, 1949. O. G. Oct. 4.
Yarns, threads, and filaments, Cellulose-acetate. Du Pont Rayon Company. 258,794, renewed July 16, 1949. O. G. Oct. 4.

CLASS 44

Absorbents. Associated Merchandising Corporation. 286,908, renewed Dec. 27, 1947. O. G. Oct. 4.
Chairs and tables, Combination, for treatment of the body by massaging and manipulating. H. F. T. Company, Inc. 516,087, Oct. 4; Serial No. 505,352.
Chin straps, Reducing. Lehn & Fink Products Corporation. 516,036, Oct. 4; Serial No. 558,148, published June 7, 1949.
Dental articulators. The Dentists' Supply Company of New York. 515,900, Oct. 4; Serial No. 540,791, published June 7, 1949.
Dental supplies and appliances. The L. D. Caulk Company. 515,974, Oct. 4; Serial No. 549,396, published May 24, 1949.
Devices and apparatus for facilitating the adjustments of the beam of X-ray machines and radiographic equipment. Wright Engineering Company. 515,911, Oct. 4; Serial No. 542,496, published June 7, 1949.
Pads, Permanent hair-waving. Samuel Bonat & Bro. 256,379, renewed May 14, 1949. O. G. Oct. 4.
Screens or plates adapted for use in connection with the reading or viewing of X-ray films or X-ray plates. Semon Bache & Company. 515,955, Oct. 4; Serial No. 547,388, published June 7, 1949.
Sputum cups. Burnitol Manufacturing Co. 516,057, Oct. 4; Serial No. 562,826, published June 7, 1949.
Therapeutic device, Electric. Physical Medicine Instrument Company, Inc. 515,843, Oct. 4; Serial No. 507,932, published June 28, 1949.

CLASS 45

Beverage, Carbonated. American Beverage Corporation. 515,907, Oct. 4; Serial No. 541,628, published May 31, 1949.
Beverage, Non-alcoholic, maltless fruit. The Grapette Company, Incorporated. 443,425, Oct. 4; Serial No. 518,460, published June 7, 1949.
Beverage, Nonalcoholic maltless, non-fruit-juice. Nehi Corporation. 515,876, Oct. 4; Serial No. 533,044, published June 7, 1949.
Beverages, Carbonated. American Beverage Corporation. 515,942, Oct. 4; Serial No. 545,808, published May 31, 1949.
Beverages, Non-alcoholic maltless carbonated. C. C. Callaway, Jr. 370,097, Aug. 15, 1939. Republished Oct. 4.
Beverages, Nonalcoholic, noncereal, maltless. Theonett & Co. 516,129, Oct. 4; Serial No. 562,509.
Soft drink, Coffee flavored maltless. C. A. Dieman. 515,897, Oct. 4; Serial No. 540,049, published June 28, 1949.
Soft drinks and syrups and extracts for making the same, Non-alcoholic maltless. The Cinch Company. 516,090, Oct. 4; Serial No. 516,007.
Syrup, Coffee. F. Lefkowitz. 515,954, Oct. 4; Serial No. 547,354, published May 31, 1949.

CLASS 46

Alimentary paste products. The Megs Company. 260,304, renewed Aug. 20, 1949. O. G. Oct. 4.
Apricots, Dried, dried apples, dried peaches, etc. The H. D. Lee Mercantile Co. 86,067, Apr. 9, 1912. Republished Oct. 4.
Baking powder, baking soda, cream of tartar, etc. The H. D. Lee Mercantile Company. 81,279, Mar. 21, 1911. Republished Oct. 4.
Butter. Iowa State Brand Creameries Association. 259,294, renewed July 30, 1949. O. G. Oct. 4.
Cake. Farm Crest Bakeries, Inc. 515,987, Oct. 4; Serial No. 550,907, published June 21, 1949.
Candies. D. A. Rand. 515,902, Oct. 4; Serial No. 540,871, published June 14, 1949.
Candy. J. O. Edy. 351,175, Oct. 19, 1937. Republished Oct. 4.
Candy. Hollywood Brands, Inc. 515,986, Oct. 4; Serial No. 550,694, published June 14, 1949.
Candy bars. Mars, Incorporated. 442,698, May 17, 1949. Republished Oct. 4.
Canned chicken. Calcutta Club Products, Inc. 515,979, Oct. 4; Serial No. 549,862, published June 21, 1949.
Canned fruits. Gresham Berry Growers. 328,385, Sept. 24, 1935. Republished Oct. 4.
Canned fruits, canned vegetables, canned sweet potatoes, etc. The H. D. Lee Mercantile Co. 110,925, June 20, 1916. Republished Oct. 4.
Canned goods. Waples-Platter Company. 362,524, Nov. 22, 1938. Republished Oct. 4.
Canned pineapple, canned corn, and canned hominy. Hale-Halsell Company. 515,956, Oct. 4; Serial No. 547,448, published June 21, 1949.
Canned poultry. Geo. A. Hormel & Company. 261,730, renewed Sept. 24, 1949. O. G. Oct. 4.
Canned salmon. The H. D. Lee Mercantile Co. 119,968, Dec. 25, 1917. Republished Oct. 4.
Cheese. J. S. Hoffman Co., Inc. 345,325, Apr. 20, 1937. Republished Oct. 4.
Chocolate coating. Wilbur-Suchard Chocolate Company, Inc. 515,870, Oct. 4; Serial No. 530,691, published June 21, 1949.
Coffee. C. W. Antrim & Sons. 265,005, renewed Dec. 10, 1949. O. G. Oct. 4.
Coffee and canned fruits and vegetables. The H. D. Lee Mercantile Company. 78,757, July 5, 1910. Republished Oct. 4.
Coffee, flavoring extracts, canned vegetables, etc. The H. D. Lee Mercantile Company. 78,808, July 12, 1910. Republished Oct. 4.
Dressing, Popcorn. The Albert Dickinson Company. 304,304, June 27, 1933. Republished Oct. 4.
Eggs. Weksler Egg Co. 515,998, Oct. 4; Serial No. 552,027, published June 21, 1949.
Feed. Murphy Products Company. 382,682, Nov. 5, 1940. Republished Oct. 4.
Feed, Poultry. The Albert Dickinson Company. 105,293, July 13, 1915. Republished Oct. 4.
Feed, Poultry. The Albert Dickinson Company. 172,965, Sept. 11, 1923. Republished Oct. 4.
Feed, Poultry. Murphy Products Company. 382,683, Nov. 5, 1940. Republished Oct. 4.
Feed, Stock, and poultry feed. The Albert Dickinson Company. 358,922, July 26, 1938. Republished Oct. 4.
Feeds, Mixed. The Albert Dickinson Company. 112,115, Aug. 22, 1916. Republished Oct. 4.
Flour, Wheat. King Milling Company. 515,976, Oct. 4; Serial No. 549,552, published June 21, 1949.
Flour, Wheat. Pendleton Flour Mill Co. 247,219, renewed Sept. 25, 1948. O. G. Oct. 4.
Food, Dog. The Albert Dickinson Company. 289,320, Nov. 24, 1931. Republished Oct. 4.
Food, Dog, and yeast mash. Harper Feed Mills. 515,948, Oct. 4; Serial No. 546,495, published June 21, 1949.
Food, Stock. Mutual Products Company. 396,857, Aug. 4, 1942. Republished Oct. 4.
Fruits, Fresh citrus. Azusa Citrus Association. 222,348, Dec. 28, 1926. Republished Oct. 4.
Fruits, Fresh citrus, Champion Orange Company. 378,993, June 25, 1940. Republished Oct. 4.
Fruits, Fresh citrus. Murphy Oil Company. 320,351–3, Dec. 25, 1934. Republished Oct. 4.
Fruits, Fresh citrus. Murphy Oil Company. 322,032, Feb. 26, 1935. Republished Oct. 4.
Fruits, Fresh citrus. Murphy Oil Company. 322,337, Mar. 5, 1935. Republished Oct. 4.
Fruits, Fresh citrus. Orange Heights Fruit Association. 207,219, Dec. 22, 1925. Republished Oct. 4.
Fruits, Fresh citrus. Tulare County Lemon and Grapefruit Association. 226,214–15, Apr. 5, 1927. Republished Oct. 4.
Fruits, Fresh deciduous, fresh citrus fruits, fresh vegetables, etc. John Demartini Co. Inc. 263,407, renewed Nov. 5, 1949. O. G. Oct. 4.
Grapes, Fresh. A. Bova. 515,891, Oct. 4; Serial No. 538,339, published June 14, 1949.
Malted milk. Horlicks Corporation. 515,854, Oct. 4; Serial No. 526,968, published June 14, 1949.
Meats and meat products. Bernard S. Pincus Company. 442,216, Mar. 15, 1949. Republished Oct. 4.
Milk and cream, Fluid. Golden Guernsey, Inc. 515,866–7, Oct. 4; Serial Nos. 530,190–1, published June 28, 1949.

Oranges, grapefruit, tangerines, etc. Azusa Foot-Hill Citrus Association. 75,921, re-renewed Nov. 30, 1949. O. G. Oct. 4.
Peanut butter, fruit jam, creme-de-menthe cherries, etc. The H. D. Lee Mercantile Company. 81,727, May 2, 1911. Republished Oct. 4.
Popcorn. The Albert Dickinson Company. 283,322, May 26, 1931. Republished Oct. 4.
Pop corn, Shelled raw. The H. D. Lee Mercantile Company. 266,446, Jan. 21, 1930. Republished Oct. 4.
Popping corn. The Albert Dickinson Company. 99,708–9, Sept. 15, 1914. Republished Oct. 4.
Popping corn and seasoning for popcorn. The Albert Dickinson Company. 291,204, Feb. 2, 1932. Republished Oct. 4.
Rice. Rice Growers Association of California. 516,097, Oct. 4; Serial No. 522,997.
Seeds, Grass, clover, and field, seed-grains, etc. The Albert Dickinson Co. 36,619, June 18, 1901. Republished Oct. 4.
Shrimp, Dried. Blum & Bergeron. 515,905, Oct. 4; Serial No. 541,500, published June 14, 1949.
Strips, Thin, crisp, edible, made principally from corn meal. Select Products Company. 515,991, Oct. 4; Serial No. 551,411, published June 21, 1949.
Sugar, Pure cane. The South Coast Corporation. 515,985, Oct. 4; Serial No. 550,564, published June 21, 1949.
Vegetables, Fresh. J. C. Wilson. 338,701, Sept. 15, 1936. Republished Oct. 4.
Vegetables, Fresh, fresh deciduous fruits, fresh citrus fruits, etc. D'Arrigo Bros. Company. 361,078, Oct. 4, 1938. Republished Oct. 4.

CLASS 48

Beer. La Cigogne de Strasbourg, G. & L. Stein, Societe a Responsabilite Limitee. 515,863, Oct. 4; Serial No. 529,937, published June 21, 1949.
Beer. Miller Brewing Company. 516,116, Oct. 4; Serial No. 549,564.
Beer. N. V. Brouwerij d' Oranjeboom. 516,049, Oct. 4; Serial No. 560,533, published June 21, 1949.
Beer. Pabst Brewing Company. 515,919–20, Oct. 4; Serial No. 543,733–4, published May 24, 1949.
Beer, ale, stout, and blends thereof. Keeley Brewing Company. 516,032, Oct. 4; Serial No. 556,964, published May 31, 1949.
Beer, Lager. John F. Trommer, Inc. 515,926, Oct. 4; Serial No. 544,619, published June 21, 1949.

CLASS 50

Printing plates. W. R. Arick. 515,847, Oct. 4; Serial No. 521,234, published June 28, 1949.
Realistic figures. J. A. Morgan. 516,113, Oct. 4; Serial No. 543,643.

CLASS 55

Small personal property loan, installment purchase loan on personal property, etc. Home Finance Group, Inc. 516,132, Oct. 4; Serial No. 556,651.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Kauts, Frederick, Glenolden, Pa. Framing elements. Re. 23,153, Oct. 4.

LIST OF PLANT PATENTEES

Roberts, Stanley B., Westport, Conn. Rose plant. 877, Oct. 4.

LIST OF DESIGN PATENTEES

Alba, Nicolo, Brooklyn, N. Y. Souvenir cake box or the like. 155,374, Oct. 4.
American Safety Razor Corporation, assignee: *See*— Arrighi, Angelo.
Apex Accessories Co., Inc., assignee: *See*— Pinson, Alfred.
Arrighi, Angelo, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Table lighter holder. 155,375, Oct. 4.
Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet link or similar article. 155,376, Oct. 4.
Autopoint Company, assignee: *See*— Beckstrom, Garfield L.
Bau, Robert G., North Hollywood, Calif. Dispenser for face cream or the like. 155,377, Oct. 4.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Sliding blade knife. 155,378, Oct. 4.
Bemis, Kenneth E., Oakland, Calif. Paper cup holder. 155,379, Oct. 4.
Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 155,380, Oct. 4.
Black, Virgil, Grand Ridge, Ill. Combined shirt and tie. 155,381, Oct. 4.
Blum, Robert D., Jr.: *See*— Schwartz, Shepard B., and Blum, Jr.
Blum, Robert D., Jr., and S. B. Schwartz, assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,382, Oct. 4.
Boye Needle Company, The, assignee: *See*— Flannery, Roy L.
Brietson, Casper A., Chicago, Ill. Combined accelerator pedal pad and heel rest. 155,383, Oct. 4.
Bristol Steel & Iron Works, Inc., assignee: *See*— Ferguson, Robert O.
Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Combined wallet and memorandum pad. 155,384, Oct. 4.
Brun, Pierre, Paris, France, assignor to Guerlain Inc., New York, N. Y. Lipstick container or the like. 155,385, Oct. 4.
Bugg, Kenly C., Fort Wayne, Ind. Stitch and seam opening device. 155,386, Oct. 4.
Burris, James A., Reynoldsburg, Ohio. Airplane. 155,387, Oct. 4.
Buxton, Incorporated, assignee: *See*— Broughton, Douglas J.
Carnoy Products Corporation, assignee: *See*— Seaberg, Ernest E.
Clar, Elizabeth, Los Angeles, Calif. Figurine. 155,388, Oct. 4.
Cohen, Jacob, Forest Hills Township, Nassau County, N. Y., assignor to Laurel Intimates, Inc. Carton. 155,389, Oct. 4.
Comerford, James J., Brooklyn, N. Y. Combination tool. 155,390, Oct. 4.
Comiskey, Anthony T., Sr., and C. A. Comiskey, Chicago, Ill. Luggage carrier for motorcycles. 155,391, Oct. 4.
Comiskey, Charles A.: *See*— Comiskey, Anthony T., Sr. and C A.
Danielson, Paul F., San Marino, Calif. Bottle carrier. 155,392, Oct. 4.
D'Escayrac, Bernard, assignor to Guerlain, Inc., New York, N. Y. Lipstick container or the like. 155,393, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,394, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,395, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,396, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,397, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,398, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,399, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,400, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,401, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,402, Oct. 4.
Dinhofer, Harry, New York, N. Y. Watchcase bezel. 155,403, Oct. 4.
Ebel, William K., Baltimore County, A. J. Subasky, Baltimore, and W. D. van Zelm, Baltimore County, assignors to The Glenn L. Martin Company, Baltimore, Md. Airplane. 155,404, Oct. 4.
Edison, Thomas A., Incorporated, assignee: *See*— Stamper, Willson Y., and La Forest.
Ekco Products Company, assignee: *See*— Muller-Munk, Peter.
Eratico, Rose R., assignee: *See*— Weston, Sydney.
Faniola, Nicholas J., Plainville, Conn. Wall clock. 155,405, Oct. 4.
Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,406, Oct. 4.
Flannery, Roy L., assignor to The Boye Needle Company, Chicago, Ill. Display case. 155,407, Oct. 4.
Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact. 155,408, Oct. 4.
Flato, Paul, assignor to Paul Flato Sales Corp., New York, N. Y. Compact. 155,409, Oct. 4.
Flato, Paul E., assignor to Paul Flato Sales Corp., New York, N. Y. Compact or similar article. 155,410, Oct. 4.
Flato, Paul, Sales Corp., assignee: *See*— Flato, Paul.
Florman, Irving, New York, N. Y. Cigarette lighter. 155,411, Oct. 4.
Gerson, Samuel L., Millville, N. J. Combination kitchen tool. 155,412, Oct. 4.
Gifford, Arnold B., New York, N. Y. Shoe or similar article. 155,413, Oct. 4.
Globe-Union Inc., assignee: *See*— Youngbeck, Karl W., and Glueckstein.
Glolite Corporation, The, assignee: *See*— Sundheim, Harry G., Jr.
Glueckstein, Henry J.: *See*— Youngbeck, Karl W., and Glueckstein.
Goldenstein, Murray, New York, N. Y. Combination lipstick casing and mirror. 155,414, Oct. 4.
Goodick, Melvin S., Somerville, Mass. Game board or similar article. 155,415, Oct. 4.
Gothé, David E., New York, N. Y. Dress. 155,416, Oct. 4.
Grant, Foster, Co., Inc., assignee: *See*— Ulvad, Bernard.
Green, Warren B.: *See*— Leffler, William S., and Green.
Guerlain Inc., assignee: *See*— Brun, Pierre.
Guerlain, Inc., assignee: *See*— D'Escayrac, Bernard.

Gunderson, Ralph R., Chicago, Ill. Highway reflector signal. 155,417, Oct. 4.
Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,418, Oct. 4.
Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,419, Oct. 4.
Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Embossed belt. 155,420, Oct. 4.
Hartford Textile Corporation, assignee: *See*—
Magid, Robert P.
Hatfield, Jay J., Asbury Park, N. J. Magnetic desk name plate. 155,421, Oct. 4.
Henderson, Irie P., Burlingame, Calif. Hamburger pattie forming device. 155,422, Oct. 4.
Higginson, George J., Mount Vernon, assignor to Johnson Bros. (Hanley) Ltd., New York, N. Y. Plate or similar article. 155,423, Oct. 4.
Hillman, Lee H., Fort Wayne, Ind. Beverage pot. 155,424, Oct. 4.
Howard, Minnie A., Los Angeles, Calif. Clothespin bag. 155,425, Oct. 4.
Ince, Gilbert J., assignor of seven and one-half per cent to W. A. E. Mitchell, and thirty per cent to O. C. Winstead, Greeley, Colo. Hammer for body and fender work. 155,426, Oct. 4.
Ingalls, Karl M., Texas City, Tex. Trolling sinker. 155,427, Oct. 4.
Isrin, David S., New York, N. Y. Coffee grinder or the like. 155,428, Oct. 4.
Jacoby-Bender, Inc., assignee: *See*—
Bender, Joseph M.
Johnson Bros., (Hanley) Ltd., assignee: *See*—
Higginson, George J.
Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Pencil. 155,429, Oct. 4.
Kahn, David, Inc., assignee: *See*—
Kahn, David.
Krasnow Belt Co., Inc., assignee: *See*—
Krasnow, Kenneth.
Krasnow, Kenneth, assignor to Krasnow Belt Co., Inc., New York, N. Y. Belt or similar article. 155,430, Oct. 4.
La Forest, Louis Z.: *See*—
Stamper, Willson Y., and La Forest.
Laurel Intimates, Inc., assignee: *See*—
Cohen, Jacob.
Leffler, William S., and W. B. Green, Darien, Conn., said Green assignor to said Leffler. Television viewing frame. 155,431, Oct. 4.
Leffler, William S., and W. B. Green, Darien, Conn., said Leffler assignor to said Green. Television viewing frame. 155,432, Oct. 4.
Magid, Robert P., Forest Hills, assignor to Hartford Textile Corporation, New York, N. Y. Plastic film material. 155,433, Oct. 4.
Maher, William A., Detroit, Mich. Automobile visor. 155,434, Oct. 4.
Mangold, Thomas M., Cincinnati, Ohio. Manicurist bowl. 155,435, Oct. 4.
Margulies, Walter P., New York, N. Y. Bottle or similar article. 155,436, Oct. 4.
Martin, Glenn L., Company, assignee: *See*—
Ebel, William K., Subasky, and van Zelm.
May Hosiery Mills, assignee: *See*—
Blum, Robert D., Jr., and Schwartz.
Schwartz, Shepard B., and Blum, Jr.
Milwaukee Saddlery Company, assignee: *See*—
Hampel, John R.
Mitchell, Wilbur A. E., assignee: *See*—
Ince, Gilbert J.
Molin, Benjamin, and J. Rosenbaum, Brooklyn, N. Y. Hat. 155,437, Oct. 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Beverage serving utensil. 155,438, Oct. 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Beverage serving utensil. 155,439, Oct. 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Percolator knob. 155,440, Oct. 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Percolator knob. 155,441, Oct. 4.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Ekco Products Company, Chicago, Ill. Cooking utensil. 155,442, Oct. 4.
Noped M'f'g. Co., assignee: *See*—
Noped, Tobias.
Noped, Tobias, Brooklyn, assignor to Noped M'f'g. Co., New York, N. Y. Cap or the like. 155,443, Oct. 4.
Noped, Tobias, Brooklyn, assignor to Noped M'f'g. Co., New York, N. Y. Cap or the like. 155,444, Oct. 4.
Orenick, Emil H., Cleveland, Ohio. Cosmetic holder. 155,445, Oct. 4.
Perugi, Ernesto, Brooklyn, N. Y. Figurine. 155,446, Oct. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 155,447, Oct. 4.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 155,448, Oct. 4.
Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Chain for a wristband or similar article. 155,449, Oct. 4.
Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Chain for a wristband or similar article. 155,450, Oct. 4.
Provensano, Joseph, New York, N. Y. Lamp with illuminable base. 155,451, Oct. 4.
Rosenbaum, Joseph: *See*—
Molin, Benjamin, and Rosenbaum.
Rothe, Walter F., Washington, D. C. Combined grille, hood, fenders, and bumper for vehicles. 155,452, Oct. 4.
Schorr, Louis, Brooklyn, N. Y. Jewelry component. 155,453, Oct. 4.
Schwartz, Shepard B.: *See*—
Blum, Robert D., Jr., and Schwartz.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,454, Oct. 4.
Schwartz, Shepard B., and R. D. Blum, Jr., assignors to May Hosiery Mills, Nashville, Tenn. Sock or similar article. 155,455, Oct. 4.
Seaberg, Ernest E., Brooklyn, assignor to Carnoy Products Corporation, Elmsford, N. Y. Fire extinguisher. 155,456, Oct. 4.
Sidnell, Albert E., Akron, Ohio. Rubber glove. 155,457, Oct. 4.
Smallman, Samuel J., New York, N. Y. Wallet or similar article. 155,458, Oct. 4.
Soria & Simon Company, assignee: *See*—
Weill, Charles N.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Stamper, Willson Y., Newark, and L. Z. La Forest, Parsippany-Troy Hills Township, Morris County, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Lamp casing or similar article. 155,459, Oct. 4.
Subasky, Albert J.: *See*—
Ebel, William K., Subasky, and van Zelm.
Sundheim, Harry G., Jr., Cook County, Ill., assignor to The Glolite Corporation. Illuminable Christmas decoration. 155,460, Oct. 4.
Sylvia, Josephine F., New Bedford, Mass. Notion display case. 155,461, Oct. 4.
Trad, Victor, Deal, N. J. Overhead television receiving screen. 155,462, Oct. 4.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Troy, Ellen, New York, N. Y. Jeweled lady's stocking or the like. 155,463, Oct. 4.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Comb or the like. 155,464, Oct. 4.
Van Zelm, William D.: *See*—
Ebel, William K., Subasky, and van Zelm.
Vecchio, Luigi, Syracuse, N. Y. Combined fence and gate. 155,465, Oct. 4.
Wasielewski, Zigmunt M., Kenmore, N. Y. Fish lure. 155,466, Oct. 4.
Weill, Charles N., assignor to Soria & Simon Company, New York, N. Y. Receptacle for coins or similar articles. 155,467, Oct. 4.
Weston, Sydney, New York, assignor to R. R. Eratico, Long Island City, N. Y. Table lighter. 155,468, Oct. 4.
Winstead, Orville C., assignee: *See*—
Ince, Gilbert J.
Youngbeck, Karl W., and H. J. Glueckstein, assignors to Globe-Union Inc., Milwaukee, Wis. Miniature twin variable resistor. 155,469, Oct. 4.
Zorn, Otto H., Brillion, Wis. Combined hairpin receptacle and opener. 155,470, Oct. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Container and making the same. 2,483,604, Oct. 4.
Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Apparatus for manufacturing containers. 2,483,605, Oct. 4.
Ackermann, Franz: *See*—
Meyer, Jules, and Ackermann.
Adams, Hilda L., executrix: *See*—
Courter, Sherman A.
Adams, James B., Jr., Baltimore, Md., assignor, by mesne assignments, to Reeves Hoffman Corporation, Carlisle, Pa. Crystal holder. 2,484,004, Oct. 4.
Aero Supply Mfg. Co. Inc., assignee: *See*—
Downey, George T.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Teeter, Howard M., Scholfield and Cowan.
Aiken, Charles B., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Phase selective signal transmission system. 2,483,718, Oct. 4.
Air Control Products, Inc., assignee: *See*—
Leigh, Robert L.
Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Huff, Harry A., Jr., and Rooke.
Thurman, Oliver, Jr.
Aktiebolaget Facit, assignee: *See*—
Grip, Erik.
Albach, Frank, and G. R. Chervenka, assignors to The Medart Company, St. Louis, Mo. Knockdown utility cabinet. 2,483,606, Oct. 4.
Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Low-voltage protective arrangement. 2,483,515, Oct. 4.
Alfreds, Torris H., Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Egg packing material. 2,483,607, Oct. 4.
All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.
Allen, John F.: *See*—
Rudd, James B. and Allen.
Allen, Sidney J., and J. G. N. Drewitt, London, England, assignors, by mesne assignments, to Celanese Corporation of America. Production of basic linear polymers. 2,483,513, Oct. 4.
Allen, Sidney J., London, J. G. N. Drewitt, Spondon, near Derby, and F. Bryans, Ilford, England, assignors to Celanese Corporation of America. Production of basic linear polyamides. 2,483,514, Oct. 4.
Allied Chemical & Dye Corporation, assignee: *See*—
De Végvár, Géza E. N.
Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Rudd, James B. and Allen.
American Blower Corporation, assignee: *See*—
Koch, John B.
American Can Company, assignee: *See*—
Harker, Arthur E.
American Cyanamid Company, assignee: *See*—
Gieseke, Elmer W.
Searles, Scott, Jr.
Thurston, Jack T.
American Dairies, Incorporated, assignee: *See*—
Graham, William R., Jr., Kohler, and Frye.
American Enka Corporation, assignee: *See*—
Polak, James J.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Hoag, John H.
American Viscose Corporation, assignee: *See*—
Francis, Carleton S., Jr.
Ammco Tools, Inc., assignee: *See*—
Mitchell, Wallace F.
Anderson, Chester W., Pleasantville, L. D. Hansen, Fanwood, and D. E. Overmyer, Plainfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for gauging jacks. 2,483,867, Oct. 4.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Gas torch. 2,483,719, Oct. 4.
Anderson, V. D., Company, The, assignee: *See*—
Zies, Carl W.
Andrews, Paul, assignor to The Miller Company, Meriden, Conn. Thermostatic switch. 2,483,484, Oct. 4.
Arany, Alec J., Sherman Oaks, Calif. Fireplace screen. 2,483,608, Oct. 4.
Archer, James R., East Point, and G. Dunn, Atlanta, Ga., assignors to International Minerals and Chemical Corporation, Chicago, Ill. Preparing silica gel which involves atomizing sodium silicate into acid. 2,483,868, Oct. 4.
Ardell, Edgar: *See*—
Fischer, Paul E., and Ardell.
Armitage, Joseph B., Wauwatosa, and H. L. Heywood, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool spindle. 2,483,451, Oct. 4.
Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,483,869, Oct. 4.
Arrow Manufacturing Company, assignee: *See*—
Spitzer, Lawrence K.
Asbury, Edward M., Wilkinsburg, Pa. Portable belt type sanding device. 2,483,720, Oct. 4.
Associated Development and Research Corporation, assignee: *See*—
Buhl, William F.
Ateliers de Construction Oerlikon, assignee: *See*—
Karrer, Josef.
Atwood Vacuum Machine Company, The, assignee: *See*—
Lustig, Walter R.
Automatic Manufacturing Corporation, assignee: *See*—
Mazzola, Joseph R.
Automatic Temperature Control Co., Inc., assignee: *See*—
Macgeorge, William D.
Babcon Bros. Co., assignee: *See*—
Babcon, Henry B.
Babcon, Henry B., Chicago, Ill., assignor to Babcon Bros. Co. Supporting arrangement for milkers. 2,483,516, Oct. 4.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymer compositions containing maleic-vinyl acetate heteropolymers and compounds of lead, calcium, or barium. 2,483,959, Oct. 4.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerization of vinyl halides in an aqueous dispersion. 2,483,960, Oct. 4.
Bailey, Theodore, Habana, Cuba. Insulated nursing bottle. 2,483,870, Oct. 4.
Baker, Robert M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating. 2,483,509, Oct. 4.
Bakovenbouw voorheen H. P. den Boer N. V., assignee: *See*—
van der Neut, Teunis.
Baldwin, William J., Snyder, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Enamel opacifier and producing an enamel therefrom. 2,483,393, Oct. 4.
Ball, Charles F., assignor to Joy Manufacturing Company, Franklin, Pa. Self-laying track. 2,483,961, Oct. 4.
Ballard, Seaver A.: *See*—
Geyer, Bradford P., and Ballard.
Smith, Curtis W., and Ballard.
Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Hydraulic check. 2,483,517, Oct. 4.
Barber-Colman Company, assignee: *See*—
Cotta, Ralph L.
Barkan, Irving: *See*—
Yaszay, Walter, and Barkan.
Barker, John L., Norwalk, Conn., assignor, by mesne assignments, to Eastern Industries, Incorporated. Control system. 2,483,394, Oct. 4.
Barmore, Edmond H., Los Angeles, Calif. Cigarette dispenser. 2,483,609, Oct. 4.
Barnes, Carl E., Belvidere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilized heat polymerizable compositions of N-vinyl pyrrole compounds. 2,483,962, Oct. 4.
Barnes, John W., Jr.: *See*—
Hawley, Thomas G., Jr., Kummer, and Barnes.
Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. High velocity fluid solids technique. 2,483,485, Oct. 4.
Barry, Arthur J., and E. E. Merrill, assignors to Dow Corning Corporation, Midland, Mich. Production of organosiloxanes. 2,483,963, Oct. 4.
Barth, Elmer J.: *See*—
Peterson, Carl D., and Barth.
Barts, Quentin R.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Barts.

Barta, Quentin R., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining chloroamphenicol. 2,483,871, Oct. 4.

Bates, James E.: *See*—
Harsh, Harold C., and Bates.

Bauer, Emma L., assignee: *See*—
Smith, Alvin W.

Baumann, Karl, Mere, Knutsford, assignor, by mesne assignments, to the Minister of Supply in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Bladed impeller for turboblowers. 2,483,610, Oct. 4.

Beach, Earl F.: *See*—
Wallace, James M., Edwards, and Beach.

Beauchamp, Wilfred A., and T. Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Car door and lock therefor. 2,483,611, Oct. 4.

Beaver Art Metal Corporation, assignee: *See*—
Weiss, Daniel I.

Becker, Charles H., Ironwood, Mich. Heating vehicles and the like. 2,483,721, Oct. 4.

Becker, Rodgar F., Kalamazoo, Mich. Degreasing vaporizer. 2,483,963, Oct. 4.

Becwar, Rudolph A., Berwyn, Ill., assignor to Motorola, Inc. Intermediate frequency unit. 2,483,801, Oct. 4.

Beem Foundation, The, assignee: *See*—
Beem, Marvel D.

Beem, Marvel D., West Los Angeles, assignor of one-half to The Beem Foundation, Los Angeles, Calif. Invalid's bed. 2,483,612, Oct. 4.

Bell, George Harold, & Associates, assignee: *See*—
Vars, Ethan W.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Burton, Everett T.
Cutler, Cassius C.
Mathes, Robert C.
Miller, Victor F.
Oliver, Bernard M.

Benbow, Burtis W., Benbow, Calif. Drill press. 2,483,613, Oct. 4.

Bench, Helen V., assignee: *See*—
Smelker, Le Roy.

Bendix Aviation Corporation, assignee: *See*—
Frei, Jakob R.
Purdy, Rolland M.

Bennett, Stevens A., Chicago, Ill. Sheet metal screw closure. 2,483,964, Oct. 4.

Bennett, Vivian R., Pasadena, Calif. Oxygen valve. 2,483,722, Oct. 4.

Bensen, Igor B., Schenectady, N. Y., assignor to General Electric Company. Electron optical instrument and camera therefor. 2,483,872, Oct. 4.

Benson, Frederick J., Columbus, Ohio. Toy kite. 2,483,614, Oct. 4.

Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescoping structure. 2,483,395, Oct. 4.

Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescopic structure. 2,483,396, Oct. 4.

Benson, Lloyd M., Omaha, Nebr. Dirigible light. 2,483,615, Oct. 4.

Bergey, Raymond D., Collingdale, Pa. Music timing apparatus. 2,483,570, Oct. 4.

Bergstedt, Karl A., Langedrag, assignor to Svenska Flygmotor Aktiebolaget, Goteborg, Sweden. Rotor for multistage turbines or similar machines. 2,483,616, Oct. 4.

Berkley, Carl, New York, N. Y., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Color sorting device using differently color-selective photocells and a cathode-ray tube. 2,483,452, Oct. 4.

Berman, Oscar H., Baltimore, Md. Shoe shining kit. 2,483,873, Oct. 4.

Bernhard, Thomas J., San Pedro, Calif. Rat guard. 2,483,874, Oct. 4.

Berridge, Donald R.: *See*—
Reason, Richard E., and Berridge.

Bettcher, Mortimer L., Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,483,518, Oct. 4.

Bishoff, August C., Detroit, Mich. Fishing rod and handle assembly. 2,483,519, Oct. 4.

Blake, Cecil J., Hudson, Mass. Counter stiffener for shoes. 2,483,520, Oct. 4.

Blanchette, Hilaire, St. Simon de Drummond, Quebec, Canada. Air suction clutch. 2,483,521, Oct. 4.

Blumenfeld, Abe, assignee: *See*—
Switzer, George W.

Bonner, Walter F., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathodic protection system. 2,483,397, Oct. 4.

Borchardt, Lester F.: *See*—
Brastad, William A., and Borchardt.

Bovee, Ransom Y., Van Nuys, assignor of one-fifth to E. B. Moore, Los Angeles, Calif. Memo roll. 2,483,522, Oct. 4.

Boyer, William J., Baltimore, Md. Thermally stable colorimeter. 2,483,875, Oct. 4.

Boyer, William J., Baltimore, Md. Photometric apparatus. 2,483,876, Oct. 4.

Boyle, James M., New York, N. Y. Mixer and grinder. 2,483,453, Oct. 4.

Bradley, James E., Chicago, Ill. Musical instrument. 2,483,617, Oct. 4.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency measuring device. 2,483,802, Oct. 4.

Branco Corporation, The, assignee: *See*—
Brandon, Martin, and Robinson.

Brandon, Martin, Villa Park, and F. P. Robinson, Glenview, assignors to The Branco Corporation, Chicago, Ill. Door for bulk commodity railroad cars. 2,483,523, Oct. 4.

Brastad, William A., and L. F. Borchardt, Minneapolis, Minn., assignors to General Mills, Inc. Recording process utilising the magnetic field of a current conducted by the record member. 2,483,398, Oct. 4.

Bratrud, Otto M., Seattle, Wash. Glue spreader and paper cutter. 2,483,750, Oct. 4.

Breese Burners, Inc., assignee: *See*—
Hayter, Bruce.

Brennan, Elmer W., and N. D. Williams, assignors to The Pure Oil Company, Chicago, Ill. Reaction of organic substances with phosphorous sesquisulfide. 2,483,571, Oct. 4.

Brezowski, Theodore, assignee: *See*—
Glera, Max S.

Bridgman, Percy W., Cambridge, S. S. Kistler, West Boylston, and W. M. Wheildon, Jr., Framingham, said Wheildon and said Kistler assignors to said Bridgman, assignors to Norton Company, Worcester, Mass. High-pressure and high-temperature test apparatus. 2,483,803, Oct. 4.

Brill, Aron, Brooklyn, N. Y., and W. Kneissler, Roselle, N. J. Safety interlocking snap hook for clothes hangers. 2,483,618, Oct. 4.

Brinkoeter, Clinton C., assignor to Ed. Friedrich, Inc., San Antonio, Tex. Sweat eliminator for frozen food cases. 2,483,804, Oct. 4.

Bronander, Wilhelm B., Montclair, N. J. Stud driving mechanism. 2,483,751, Oct. 4.

Broussard, Robert F., Houston, Tex., and L. D. Sollenberger, assignors to Duncan Parking Meter Corporation, Chicago, Ill. Coin mechanism housing. 2,483,805, Oct. 4.

Brown-Brockmeyer Co., The, assignee: *See*—
Brown, Steffen S.

Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.

Brown, John W., Jr., assignor to Brown Fintube Company, Elyria, Ohio. Resistance welding finned tubes. 2,483,454, Oct. 4.

Brown, Lawrence S.: *See*—
Newell William H., Tear, and Brown.

Brown, Luther S., Fresno, Calif. Violin bow. 2,483,486, Oct. 4.

Brown, Steffen S., assignor to The Brown-Brockmeyer Co., Dayton, Ohio. Electric motor construction. 2,483,524, Oct. 4.

Brown, Theophilus and G. Ickes, assignors to Deere & Company, Moline, Ill. Adjustable mounting for steerable wheels. 2,483,619, Oct. 4.

Brown, Wallace M., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Level winding drum. 2,483,688, Oct. 4.

Brush Development Company, The, assignee: *See*—
Jaffe, Hans.
Kjellgren, Bengt R. F.
Swinehart, Frank.

Brust, Jack, Los Angeles, Calif. Baby's shoe with enlargeable opening. 2,483,525, Oct. 4.

Bryans, Frank: *See*—
Allen, Sidney J., Drewitt, and Bryans.

Buckley, Walter D., Berkeley, and P. E. McCoy, assignors, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Waterproof concrete composition. 2,483,806, Oct. 4.

Budd Company, The, assignee: *See*—
Dean, Walter B., and Reynolds.

Buhl, William F., Livingston, N. J., assignor, by mesne assignments, to Associated Development and Research Corporation, New York, N. Y. Combined magazine receiver and barrel for toy guns. 2,483,752, Oct. 4.

Bullock, Ellis, Birmingham, Ala., assignor to Fly Ash Arrester Corporation. Combustion control. 2,483,689, Oct. 4.

Burlingame, Ernest D., Egzertsville, and M. G. Nicholson, Jr., Snyder, assignors to Colonial Radio Corporation, Buffalo, N. Y. Counting and timing circuits. 2,483,620, Oct. 4.

Burnett, John E., assignor of one-fourth to K. E. Nash, Drumright, Okla. Tie rod safety attachment. 2,483,621, Oct. 4.

Burroughs, Gordon S., Forest Hills, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Radio direction finder. 2,483,399, Oct. 4.

Burski, Anthony H., Chicago, Ill. Fender welt clip. 2,483,622, Oct. 4.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic circuit maker and breaker. 2,483,723, Oct. 4.

Butler, Henry B., Scotia, N. Y. Spoon holder. 2,483,724, Oct. 4.

C. I. T. Corporation, assignee: *See*—
Jenkins, Wayne E., and Thiele.

Caltham, Victor M., Stratford, assignor to Milford Rivet and Machine Company, Milford, Conn. Anvil unit for rivet setting machines. 2,483,807, Oct. 4.

Camp, William M., Glen Ridge, N. J., assignor to The Clark Thread Company. Making thermoplastic sewing thread. 2,483,455, Oct. 4.

Campbell, Donald L.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.

Campos, Louis H., New York, N. Y. Remover for friction type jar caps. 2,483,456, Oct. 4.

Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,483,526, Oct. 4.

Cardox Corporation, assignee: *See*—
Lawson, Andrew L.

Carlson, Albin A., Minneapolis, Minn. Dust collector. 2,483,690, Oct. 4.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Cooper, Joseph G.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of volatilizable metal halides from adsorbents. 2,483,487, Oct. 4.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for continuous polymerisation. 2,483,877, Oct. 4.

Carpenter, Benjamin S., Alhambra, Calif., assignor to Willard Storage Battery Company, Cleveland, Ohio. Casting machine. 2,483,806, Oct. 4.

Carpenter, Ose F., Brightwood, Va. Shipping coop. 2,483,527, Oct. 4.

Carswell, Thomas S., Seattle, Wash. and R. F. Hayes, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer composition. 2,483,753, Oct. 4.

Cash, A. W., Company, assignee: *See*—
Temple, Paul C.

Cashman, Aloysius F.: *See*—
Lieber, Eugene, and Cashman.

Caspers Tin Plate Company, assignee: *See*—
Zacek, Paul W.

Cater, Earl E., Los Angeles, Calif. Valve. 2,483,572, Oct. 4.

Caterpillar Tractor Co., assignee: *See*—
Rosen, Carl G. A., and Van Zandt.

Celanese Corporation of America, assignee: *See*—
Allen, Sidney J., and Drewitt.
Allen, Sidney J., Drewitt, and Bryans.

Central States Paper & Bag Company, assignee: *See*—
Abramson, Alvin A.

Centrifugal & Mechanical Industries, Inc., assignee: *See*—
Howe, Andrew F.

Chain Belt Company, assignee: *See*—
Goettings, Walter J.
Lind, Arthur C.

Charest, Alfred, Woonsocket, R. I. Game board for displaying three like elements in a row. 2,483,878, Oct. 4.

Chaumerliac, André, Asnieres, assignor to E. Gauthier, Malakoff (Seine) France. Indicator of fluid flow. 2,483,965, Oct. 4.

Chervenka, George R.: *See*—
Albach, Frank, and Chervenka.

Chisholm-Ryder Company, Incorporated, assignee: *See*—
Benson, George O.

Christoff, Chris A., San Gabriel, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Ribbon spool. 2,483,528, Oct. 4.

Chrysler Corporation, assignee: *See*—
Hicks, Harold A., and Jackson.
La Brie, Ludger E.
Van Der Sluys, William.

Churchill, George R., Hingham, Mass. Buffing wheel. 2,483,879, Oct. 4.

Ciba Limited, assignee: *See*—
Meyer, Jules, and Ackermann.

Clark, Robert A., Jr., assignor to A. C. Nielsen Company, Chicago, Ill. Apparatus for determining the listening habits of wave signal receiver users. 2,483,573, Oct. 4.

Clark, Robert L., Woodbridge, assignor to Merck & Co., Inc., Rahway, N. J. 2-benzyl-4-alkoxymethylene-5(4)-oxazolone hydrohalide and making same. 2,483,529, Oct. 4.

Clark, Robert L., Woodbridge, assignor to Merck & Co., Inc., Rahway, N. J. Beta-ethoxy-alpha-phenylacetamidoacrylic acid. 2,483,530, Oct. 4.

Clark, Sara L., and M. Raphael, Sierra Madre, Calif., said Raphael assignor to said Clark. Combined shoulder pad support and brassière. 2,483,809, Oct. 4.

Clark Thread Company, The, assignee: *See*—
Camp, William M.

Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electronic switch. 2,483,400, Oct. 4.

Clarostat Mfg. Co., Inc., assignee: *See*—
Mucher, George J.

Clary Multiplier Corporation, assignee: *See*—
Christoff, Chris A.

Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Apparatus for drying oil. 2,483,623, Oct. 4.

Cleveland, Ingram, Oklahoma City, Okla. Violin ringmute. 2,483,880, Oct. 4.

Clifton, Maurice, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Bonding rubber-like materials to metal. 2,483,754, Oct. 4.

Cole, Clay, Richmond, Ind. Animal trap. 2,483,881, Oct. 4.

Cole, Russell H., Pasadena, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exhaust nozzle actuating mechanism. 2,483,401, Oct. 4.

Colonial Radio Corporation, assignee: *See*—
Burlingame, Ernest D., and Nicholson, Jr.

Commercial Solvents Corporation, assignee: *See*—
Stiles, Hugh R.

Conn, C. G., Ltd., assignee: *See*—
Greenleaf, Leland B.

Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E.

Controulis, John: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis and Barta.

Cooper, Joseph G., Duquesne, Pa., assignor to Carnegie-Illinois Steel Corporation. Grinder attachment for spark testing. 2,483,582, Oct. 4.

Corbiere, Paul C. E. J., Lyon, assignor to Societe "Rhodiaceta," Paris, France. Catalytic production of ketene from acetic acid. 2,483,883, Oct. 4.

Corrington, Murlan S., Camden, N. J., assignor to Radio Corporation of America. Voltage regulator. 2,483,755, Oct. 4.

Cotta, Ralph L., assignor to Barber-Colman Company, Rockford, Ill. Automatic hob slide. 2,483,810, Oct. 4.

Cotten, Lewis S., United States Navy. Antiaircraft target. 2,483,402, Oct. 4.

Courter, Sherman A., Claremont, Calif.; H. L. Adams, executrix of said S. A. Courter, deceased. Edger for scrapers. 2,483,624, Oct. 4.

Cowan, John C.: *See*—
Teeter, Howard M., Schofield and Cowan.

Craig, Edward, Brea, Calif. Auxiliary wheel for motor vehicles or the like. 2,483,574, Oct. 4.

Crane Co., assignee: *See*—
Kacena, John, and Kelly.

Creed and Company Limited, assignee: *See*—
Thompson, Alfred E. and Salmon.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Crooks, Harry M., Jr., M. C. Rebstock, J. Controulis, and Q. B. Barta, assignors to Parke, Davis & Company, Detroit, Mich. Method for making nitrophenyl acylamido alkane diols. 2,483,884, Oct. 4.

Crooks, Harry M., Jr., M. C. Rebstock, J. Controulis, and Q. B. Barta, assignors to Parke, Davis & Company, Detroit, Mich. Nitrophenyl acyl amido alkane diols. 2,483,885, Oct. 4.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst comprising dispersed alkali metal and carbon black and polymerization process employing said catalyst. 2,483,886, Oct. 4.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalyst comprising dispersed alkali metal and alkali metal mercaptide and polymerization process employing said catalyst. 2,483,887, Oct. 4.

Cubicciotti, Rudolph, Beverly Hills, assignor to Union Oil Company of California, Los Angeles, Calif. Two-stage azeotropic distillation of nonaromatic hydrocarbons from toluene. 2,483,625, Oct. 4.

Cullen, Edward V., assignor to The Cullen-Friestedt Company, Chicago, Ill. Work positioner. 2,483,811, Oct. 4.

Cullen-Friestedt Company, The, assignee: *See*—
Cullen, Edward V.

Curtiss-Wright Corporation, assignee: *See*—
Richardson, Russell.
Wright, Ben W.

Cutler, Cassius C., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional microwave antenna. 2,483,575, Oct. 4.

Daku, Elek, Little Falls, N. J. Air tap hammer. 2,483,626, Oct. 4.

Dale, Vernon F., Onalaska, Wis. Producing helical brushes. 2,483,627, Oct. 4.

Dana Corporation, assignee: *See*—
Peterson, Carl D., and Barth.

Danielson, Gideon R., Geneva, Ill. Edge finishing strip for plaster walls. 2,483,888, Oct. 4.

Da Silva, Manuel A., Newark, N. J. Lifesaver. 2,483,488, Oct. 4.

Davidson Rubber Company, assignee: *See*—
Hardesty, Ralph F.

Davis, Ernest, and E. A. Winnewisser, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Single lay shirt press. 2,483,812, Oct. 4.

Davis, Frank L., Birmingham, England. Stair carpet holder. 2,483,813, Oct. 4.

Davis, Oliver D., Bourbon, Ind., assignor to The Joyner Corporation, Chicago, Ill. Variable coupling device. 2,483,994, Oct. 4.

Davis, Robert F., Falls Church, Va. Pressure cooker. 2,483,628, Oct. 4.

Davis, Robert F., Falls Church, Va. Storage box. 2,483,629, Oct. 4.

Davis, Sander A.: *See*—
McLean, Colin C., and Davis.

Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,483,691, Oct. 4.

Day, Thelma M., Egmont, British Columbia, Canada. Clothesline tightener. 2,483,692, Oct. 4.

Dayan, Maurice S., New York, N. Y. Diaper. 2,483,756, Oct. 4.

Dean, Byron L., Pittsburgh, Pa. Wall painting machine. 2,483,814, Oct. 4.

Dean, Walter B., Narberth, and L. F. Reynolds, assignors to The Budd Company, Philadelphia, Pa. Heating system for multiple-room vehicles. 2,483,995, Oct. 4.

De Boisblanc, Felix J., New Orleans, La. Boat construction. 2,483,531, Oct. 4.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

Deere & Company, assignee: *See*—
Brown, Theophilus, and Ickes.
Strandlund, Carl G.

De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver with automatic frequency control. 2,483,889, Oct. 4.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Hot-air furnace. 2,483,489, Oct. 4.

De Marinis, Frank, Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Reconditioning backing members having powdered material facings. 2,483,996, Oct. 4.

Den Hartog, Lodewyk, assignee: *See*—
Klaris, Pieter A.

Denisoff, Alexander C., East Twickenham, England, assignor to West Road Co. Limited. Temperature compensator for electrical measuring systems. 2,483,757, Oct. 4.

De Palacio, Raúl C., Mexico City, Mexico. Automatic level gauge for liquids contained in tanks. 2,483,532, Oct. 4.

De Rosa, Louis A., Staten Island, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Phase shifter. 2,483,403, Oct. 4.

De Tar, John S., assignee: *See*—
Williams, Chester.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Cationic froth flotation of iron ore. 2,483,890, Oct. 4.

De Vegvár, Géza E. N., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Maleic acid liquor purification and isomerization to fumaric acid. 2,483,576, Oct. 4.

Diamond, Hymen, assignee: *See*—
Levin, Jacob.

Ditzler, Hugh W., assignee: *See*—
Douglas, Luther A.

Diversey Corporation, The, assignee: *See*—
Hawley, Thomas G., Jr., Kummer, and Barnes.

Dix, James S., Mount Airy, N. C. Yarn package support. 2,483,490, Oct. 4.

Dobrats, Elmer H., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkyl N-(ortho-bicyclohexyl)-carbamates. 2,483,698, Oct. 4.

Dominion Electrical Manufacturing, Inc., assignee: *See*—
Ziola, Henry A.

Dorr Company, The, assignee: *See*—
Knight, Cyril H.

Douglas, Luther A., assignor of twenty-five per cent to H. W. Ditzler, twenty-five per cent to C. F. E. Kennedy, and twenty-five per cent to R. W. Kerr, Sacramento, Calif. Adjustable shelf bracket. 2,483,758, Oct. 4.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Merrill.
Goodwin, John T., Jr.

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Valve plug seal. 2,483,891, Oct. 4.

Draper Corporation, assignee: *See*—
Tuten, James M.

Drew, Edward J., Jersey City, N. J., assignor of fifty per cent to W. L. Mueller, Ridgewood, N. Y. Turning device for jar tops. 2,483,759, Oct. 4.

Drewitt, James G. N.: *See*—
Allen, Sidney J., and Drewitt.

Dubin, Lester: *See*—
Grieg, Donald D., Levine, and Dubin.

Dubiner, Betty V., Toronto, Ontario, Canada. Combined shipping and display container. 2,483,533, Oct. 4.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Berkley, Carl.
Feldt, Rudolf, and Lampert.
Mann, Estle R., Stanton, and Goldsmith, Jr.

Duncan, Gordon W.: *See*—
Zimmer, John C., and Duncan.

Duncan Parking Meter Corporation, assignee: *See*—
Broussard, Robert F., and Sollenberger.

Duncan, Sprinkle W., North Tazewell, Va. Electrical cable guide. 2,483,760, Oct. 4.

Dunn, Grover: *See*—
Archer, James R., and Dunn.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Johnson, Charles C.
Vinton, William H.

Duriron Company, Inc., The, assignee: *See*—
Bettcher, Mortimer L.
Jacobsen, Oystein.

Dux, Henry M., Jacksonville, Fla. Food product. 2,483,761, Oct. 4.

Eastern Industries, Incorporated, assignee: *See*—
Barker, John L.

Easton, Bertie, Saginaw, Mich. Electrical plug and jack connection. 2,483,815, Oct. 4.

Easton, Russell P., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Nitrocellulose subbing composition for polyvinyl resin film supports. 2,483,966, Oct. 4.

Ebenhoe, John J., Manitowoc, Wis. Mower for use on hills. 2,483,762, Oct. 4.

Eberwine, Theodore R., Cleveland Heights, Ohio. Tapping tube and liquid level indicator. 2,483,967, Oct. 4.

Echols, Thomas B., Fort Worth, and R. V. Howell, Dallas, Tex.; said Howell assignor to said Echols. Machine for fabricating radiator fins. 2,483,604, Oct. 4.

Ecklund, Oscar F., Broadview, Ill., assignor to Thermo Electric Manufacturing Company, Dubuque, Iowa. Furnace door and closure operator therefor. 2,483,968, Oct. 4.

Edwards, Andrew W.: *See*—
Wallace, James M., Edwards, and Beach.

Edwards, George L., Alexandria, La. Slicing board with parallel knife guides. 2,483,763, Oct. 4.

Edwards, Herbert C., Canal Fulton, assignor to The Timken Roller Bearing Company, Canton, Ohio. Assembling a self-contained roller bearing cage, roller, and raceway unit. 2,483,695, Oct. 4.

Edwards, Roy H., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flash type steam iron construction. 2,483,816, Oct. 4.

Ehlinger, William E., assignor to Webster Manufacturing, Inc., Tiffin, Ohio. Transfer car. 2,483,817, Oct. 4.

Ehrlich, John, Detroit, R. M. Smith, East Detroit, and M. A. Penner, assignors to Parke, Davis & Company, Detroit, Mich. Manufacture of chloramphenicol. 2,483,892, Oct. 4.

Electric Terminal Corporation, assignee: *See*—
Martines, Rene.

Electronoid Corporation, assignee: *See*—
Fisher, Frederick C.

Engineering Laboratories, Inc., assignee: *See*—
Green, William G., and Galloway.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.

Erisman, John L., Oak Park, Ill., assignor to Link-Belt Company. Rotary drier or cooler. 2,483,630, Oct. 4.

Evans, John, Princeton, N. J., assignor to Radio Corporation of America. Variable reactive microwave device. 2,483,818, Oct. 4.

Everett, Frederick C., Rockville Centre, N. Y., assignor to Radio Corporation of America. Tunable unit for high-frequency circuit. 2,483,893, Oct. 4.

Ex-Cell-O Corporation, assignee: *See*—
Gjertsen, Paul R.

Fahnoe, Harold H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,483,577, Oct. 4.

Falge, Raymond L., Bethesda, Md. Electric flashlight. 2,483,819, Oct. 4.

Falge, Raymond L., Bethesda, Md. Flashlight. 2,483,820, Oct. 4.

Fashing, Charles J., Lorain, Ohio. Small game suspending device. 2,483,631, Oct. 4.

Faximile, Inc., assignee: *See*—
Smith, John W., and Hester.

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Burroughs, Gordon S.

Federal Telephone and Radio Corporation, assignee: *See*—
Bonner, Walter F.
De Rosa, Louis A.
Garber, Nathan.
Grieg, Donald D.
Grieg, Donald D., Levine, and Dubin.
Karmin, Irving.
Richardson, Avery G.
Royden, George T.
Talley, David.

Feibel, Adolph H., Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Co., Covington, Ky. Lifting device. 2,483,894, Oct. 4.

Feldt, Rudolf, New York, N. Y., and I. E. Lempert, Upper Montclair, assignors to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Cathode-ray tube. 2,483,457, Oct. 4.

Fineman, Abe E., assignee: *See*—
Levin, Jacob.

Fineman, F. Esther, assignee: *See*—
Levin, Jacob.

Firestone, Floyd A., Ann Arbor, Mich., assignor to Sperry Products, Inc., Hoboken, N. J. Inspection of a solid part utilizing supersonic transmission. 2,483,821, Oct. 4.

Fischer, Paul E., Portland, and E. Ardell, Middletown, assignors, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Spout sealing machine. 2,483,458, Oct. 4.

Fisher, Elton: *See*—
Shaw, Joseph A., and Fisher.

Fisher, Frederick C., Bellmore, assignor to Electronoid Corporation, New York, N. Y. Electromagnetic straight-line motor. 2,483,895, Oct. 4.

Flemming, Cecil D., Spirit Lake, Iowa, and G. S. Mapes, West Englewood, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. High-speed quenching. 2,483,725, Oct. 4.

Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Polyesters. 2,483,726, Oct. 4.

Fly Ash Arrester Corporation, assignee: *See*—
Bullock, Ellis.

Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Making a fibrous product. 2,483,404, Oct. 4.

Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Fibrous products and textiles produced therewith. 2,483,405, Oct. 4.

Francis, Carleton S., Jr., West Harwich, Mass., assignor to American Viscose Corporation, Philadelphia, Pa. Process and apparatus for producing fibrous materials. 2,483,406, Oct. 4.

Frank, Henry, Brooklyn, N. Y. Drafting pen. 2,483,764, Oct. 4.

Frederich, Ed., Inc., assignee: *See*—
Brinkoeter, Clinton C.

Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto. 2,483,632, Oct. 4.

Fremlin, John H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Focusing arrangement for electron discharge devices of the electron velocity modulation type. 2,483,407, Oct. 4.

Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Power driven palm grasped kitchen appliance. 2,483,727, Oct. 4.

Frischmann, Joseph A., and R. J. Herman, assignors to Towmotor Corporation, Cleveland, Ohio. Side shift mechanism for lift truck forks. 2,483,534, Oct. 4.

Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. High chair. 2,483,633, Oct. 4.

Fronczak, Ernest T.: *See*—
Stucker, Joseph B., Fronczak and Wolfram.

Fry, Leo C.: *See*—
Wells, Lee, and Fry.

Frye, Elroy E.: *See*—
Graham, William R., Jr., Kohler, and Frye.

Gajewski, Ferdinand J., Linden, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Acyl polyalkylene-polyamine biguanides. 2,483,969, Oct. 4.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Reciprocatory drive for machine tools. 2,483,535, Oct. 4.

Gallistel, Albert F., Jr., Madison, Wis. Camera cut film magazine. 2,483,578, Oct. 4.

Galloway, Herbert E.: *See*—
Green, William G., and Galloway.

Gamble, Elias U. and W. C., Colton, Calif. Crankcase oil gauge wiper. 2,483,536, Oct. 4.

Gamble, Wayne C.: *See*—
Gamble, Elias U., and W. C.

Gannon, Millard T., Westwood, assignor to Polaroid Corporation, Cambridge, Mass. Self-developing film holder. 2,483,390, Oct. 4.

Gannon, Millard T., Westwood, assignor to Polaroid Corporation, Cambridge, Mass. Developing magazine for cameras. 2,483,391, Oct. 4.

Garber, Nathan, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Relay circuit. 2,483,408, Oct. 4.

Garrett, Joseph D., Portland, Oreg. Oil burner with casing. 2,483,822, Oct. 4.

Gates Rubber Company, The, assignee: *See*—
White, Thomas F.

Gauthier, Ernest, assignee: *See*—
Chaumerliac, André.

Gay, Frazer W., Metuchen, N. J. House heating system. 2,483,896, Oct. 4.

Gehnert, Adam, Marsh, Mont. Rail anchor and spike harness. 2,483,491, Oct. 4.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Easton, Russell P.
Gajewski, Ferdinand J.
Harsh, Harold C., and Bates.
Raymond, George G.

General Controls Co., assignee: *See*—
Sagar, Paul B.

General Electric Company, assignee: *See*—
Bensen, Igor B.
Goss, Wesley R.
Revercomb, Henry E., and Morse.
Scott, William J.
Stimson, Allen G.

General Mills, Inc., assignee: *See*—
Brastad, William A., and Borchardt.
Floyd, Don E.
Roach, John R., and Witteoff.
Witteoff, Harold.

General Motors Corporation, assignee: *See*—
Alexander, Donald F.
Candor, Robert E.
Henney, Charles F.
Schweller, Sylvester M.

George, Thomas J., Genoa, Ill. Electronic keying means. 2,483,823, Oct. 4.

Geyer, Bradford P., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Derivatives of 2,1-benzopyran. 2,483,824, Oct. 4.

Giddings & Lewis Machine Tool Co., assignee: *See*—
Gallimore, Keith F.

Giera, Max S., Chicopee, assignor of one-third to J. M. Lichwala, Springfield, and one-third to T. Brzezowski, Chicopee, Mass. Fishline reel. 2,483,696, Oct. 4.

Gieseke, Elmer W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Flotation of barite ores. 2,483,970, Oct. 4.

Gilbert, A. C., Company, The, assignee: *See*—
Frisbie, Marshall H.

Giles, John E., Diablo Heights, C. Z. Clamping device. 2,483,697, Oct. 4.

Gilfillan Bros., Inc., assignee: *See*—
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.

Girard, George P., Chicago, Ill. Fishing tackle device. 2,483,537, Oct. 4.

Gjertsen, Paul R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Honing tool. 2,483,997, Oct. 4.

Glaeser, Alfred L., Claymont, assignor to Hercules Powder Company, Wilmington, Del. Method and apparatus for burning high moisture content fuel. 2,483,728, Oct. 4.

Glass Block Spacer Guide, Inc., assignee: *See*—
Peterson, John E.

Gledhill, Harry, assignee: *See*—
Howlett, Edward J.

Gledhill, Malcolm, assignee:
Howlett, Edward J.

Gledhill, Norman R., assignee: *See*—
Howlett, Edward J.

Godfrey, Charles J., assignor, by mesne assignments, to Hilger & Watts Limited, London, England. Optical precision gauge. 2,483,897, Oct. 4.

Goettings, Walter J., Greenfield, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for welding the seams of tubular articles. 2,483,973, Oct. 4.

Gold, William A., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Tuning arrangement for thermionic valve circuits. 2,483,409, Oct. 4.

Goldberg, Samuel D., Jamaica, N. Y. Syringe and ampoule combination and ampoule. 2,483,825, Oct. 4.

Goldblatt, Sidney: *See*—
Weiner, Samuel, and Goldblatt.

Goldsmith, Thomas T., Jr.: *See*—
Mann, Estle R., Stanton, and Goldsmith.

Goldstein, Norman: *See*—
Wollan, Ernest O., Pardue, and Goldstein.

Goodman, Ben, assignor to Greenmount Manufacturing Company, Baltimore, Md. Truck tube repair plate. 2,483,538, Oct. 4.

Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Resuscitator. 2,483,698, Oct. 4.

Goodrich, B. F., Company, The, assignee: *See*—
Jansen, Jacob E., and Mathes.

Goodwin, John T., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Polysilimethylene and its production. 2,483,972, Oct. 4.

Goss Printing Press Company, assignee: *See*—
Hooper, William J.

Goss, Wesley R., Fort Wayne, Ind., assignor to General Electric Company. Brush holder. 2,483,898, Oct. 4.

Graham, William R., Jr., Kansas City, G. O. Kohler, Mission, Kans., and E. E. Frye, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Water-soluble products recovered from forage crops. 2,483,634, Oct. 4.

Grant, Charles R. A., London, England. Pressure gauge. 2,483,635, Oct. 4.

Grasso, Vito C., Bloomfield, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Collapsible shelf. 2,483,899, Oct. 4.

Gray, Floyd E., Dayton, Ohio. Gyroscope. 2,483,826, Oct. 4.

Green, William G., Tulsa, Okla. Steam iron. 2,483,579. Oct. 4.

Green, William G., Jenks, and H. E. Galloway, said Galloway-assignor to Engineering Laboratories, Inc., Tulsa, Okla. Steaming and pressing iron. 2,483,580, Oct. 4.

Greenleaf, Leland B., assignor to C. G. Conn, Ltd., Elkhart, Ind. Magnetic recording apparatus. 2,483,729, Oct. 4.

Greenmount Manufacturing Company, assignee: *See*—
Goodman, Ben.

Greenspan, Joshua: *See*—
Nichols, Charles W., and Greenspan.

Greppin, Ernest H., assignor to Wilmot Castle Company, Rochester, N. Y. Mounting mechanism for dental lamps. 2,483,699, Oct. 4.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse synthesizing system. 2,483,411, Oct. 4.

Grieg, Donald D., and A. M. Levine, Forest Hills, and L. Dubin, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Wide band probe. 2,483,410, Oct. 4.

Grip, Erik, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,483,450, Oct. 4.

Guiler, Cameron, Westboro, Mass. Sealing device. 2,483,827, Oct. 4.

Gutschow, Arthur H., Oswego, N. Y., and C. R. Reese, Ghent, Ky. Triple element auto directional antenna system. 2,483,504, Oct. 4.

Hamel, Donat H., Huntington Park, Calif. Watch repairing method. 2,483,786, Oct. 4.

Hamilton Manufacturing Company, assignee: *See*—
Froelich, George H.

Hanff, Edward A., assignor to Swindell-Dressler Corporation, Pittsburgh, Pa. Emergency stop mechanism. 2,483,823, Oct. 4.

Hannum, Marvin R., assignee: *See*—
Williams, Chester.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Power convertor system. 2,483,766, Oct. 4.

Hansen, Lloyd D.: *See*—
Anderson, Chester W., Hansen, and Overmyer.

Hansen Manufacturing Company, assignee: *See*—
Hansen, William L., and Hush.
Hush, James M.

Hansen, Marius H., assignor to Hanson Scale Company, Chicago, Ill. Weight scale. 2,483,700, Oct. 4.

Hansen, William L., Princeton, Ind., and J. M. Hush, Dayton, Ohio, assignors to Hansen Manufacturing Company, Princeton, Ind. Synchronous motor. 2,483,539, Oct. 4.

Hanson Scale Company, assignee: *See*—
Hansen, Marius H.

Hardenberg, Jan J. C., and W. Six, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil having a ferrite core. 2,483,900, Oct. 4.

Hardesty, Ralph F., West Medford, assignor to Davidson Rubber Company, Charlestown, Mass. Fountain syringe. 2,483,636, Oct. 4.

Harker, Arthur B., Chicago, Ill., assignor to American Can Company, New York, N. Y. Container. 2,483,412, Oct. 4.

Harris, Alexander B., Jackson Heights, N. Y. Cigarette case. 2,483,460, Oct. 4.

Harris, Alexander G., Bloomfield, N. J. Advertising display device. 2,483,901 Oct. 4.

Harsh, Harold C. and J. B. Bates, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Antistain baths for sensitive color photographic material. 2,483,971, Oct. 4.

Hart, Robert L., Smithfield, N. C. Soil pulverizer. 2,483,767, Oct. 4.

Hartford-Empire Company, assignee: *See*—
Fischer, Paul E., and Ardell.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
De Groot, Folkert A.
Hardenberg, Jan J. C., and Six.

Hartshorn, Louis L.: *See*—
Timm, Raymond L., and Hartshorn.

Hawley, Thomas G., Jr., B. J. Kummer, and J. W. Barnes, Jr., Chicago, Ill., assignors to The Diversey Corporation. Polishing composition. 2,483,701, Oct. 4.

Hawthorne, William R., Washington, D. C., and J. R. Joyce, Wimbledon, London, assignors to Power Jets (Research & Development) Limited, London, England. Testing spraying devices. 2,483,637, Oct. 4.

Hayes, Ralph F.: *See*—
Carswell, Thomas S., and Hayes.

Hayter, Bruce, assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Hydroxylating pot type burner. 2,483,902, Oct. 4.

Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching fats and oils. 2,483,413, Oct. 4.

Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching fats and oils and making soap therefrom. 2,483,414. Oct. 4.

Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Evaporative condenser arrangement. 2,483,540, Oct. 4.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of benzene and homologues thereof. 2,483,492, Oct. 4.

Heppenstall Company, assignee: *See*—
Schogren, Carl E.

Herbelsheimer, Glenn, Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing an addition product of 1,3 butadiene and furfural. 2,483,903, Oct. 4.

Hercules Powder Company, assignee: *See*—
Glaeser, Alfred L.
Jones, William D.

Herman, Raymond J.: *See*—
Frischmann, Joseph A., and Herman.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave-acoustic wave translator. 2,483,768, Oct. 4.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Microwave acoustic gas analysis method and system. 2,483,829, Oct. 4.

Hester, Frank A.: *See*—
Smith, John W., and Hester.

Heywood, Harold L.: *See*—
Armitage, Joseph B., and Heywood.

Hickey, Henry J., Quincy, Mass. Counter bin construction. 2,483,769, Oct. 4.

Hicks, Harold A., and C. C. Jackson, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Wheel suspension for motor vehicles. 2,483,974, Oct. 4.

Hiebert, Alvin L.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.

Hildebrandt, Alexander B., Tulsa, Okla., assignor to Standard Oil Development Company. Apparatus for seismic prospecting. 2,483,770, Oct. 4.

Hilger & Watts Limited, assignee: *See*—
Godfrey, Charles J.

Hilger, William P., St. Cloud, Minn. Floor sanding edger. 2,483,904, Oct. 4.

Hill, Charles S., Hubert, N. C. Tobacco sled. 2,483,582, Oct. 4.

Hill, William H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparing substituted ammonium thiocyanates. 2,483,415, Oct. 4.

Hinrichs, Ferdinand, assignor to Tri-Clover Machine Co., Kenosha, Wis. Valve. 2,483,581, Oct. 4.

Hoag, John H., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Stop device for knitting machines. 2,483,541, Oct. 4.

Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Two-stage process for the synthesis of hydrocarbons. 2,483,771, Oct. 4.

Holes, Wilbur W., St. Cloud, Minn. Multiple compartment box. 2,483,583, Oct. 4.

Holmes, Gray W., Miller, Mo. Grass cutter and hedge trimmer. 2,483,772, Oct. 4.

Holtzer-Cabot, Inc., assignee: *See*—
Saretsky, Simon.

Hoogendam, Adriaan M. I., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Rotating atomizing cup burner and igniting and burning fuel therein. 2,483,974, Oct. 4.

Hooper, William J., Elsah, Ill., assignor to Goss Printing Press Company. Static eliminator for printing presses. 2,483,542, Oct. 4.

Hospital Furniture, Inc., assignee: *See*—
McLean, Colin C., and Davis.

Hotpoint Inc., assignee: *See*—
Illian, Douglas F.
Oakley, Sterling A., and Staudt.

Houston Oil Field Material Company, assignee: *See*—
Robertson, Edward H.

Howe, Andrew F., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Briquetting machine. 2,483,638, Oct. 4.

Howell, Robert V.: *See*—
Echols, Thomas B., and Howell.

Howlett, Edward J., North Finchley, London, assignor to H., N. R., and M. Gledhill, Halifax, England (trading as Thomas's). Pressure head for laundry and other machines. 2,483,461, Oct. 4.

Hubmann, Paöl, Zug, Switzerland. Turret-type domestic kitchen machine. 2,483,905, Oct. 4.

Huebner, William C., New York, N. Y. Process and apparatus for electronographic printing. 2,483,462. Oct. 4.

Huff, Harry A., Jr., Jersey City, and R. M. Rooke, Long Branch, N. J., assignors to Air Reduction Company, Incorporated. Adjustable duplex tip holder. 2,483,730, Oct. 4.

Hughes, Charles O., Baltimore, Md. Straightening bowling alleys. 2,483,976, Oct. 4.

Hughes, Johnstone E., Ansonia, Conn. Lever type jar cap remover. 2,483,830, Oct. 4.

Hunter, James H., and W. B. Reid, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. N-(pyrrolidyl-alkyl)-phenothiazines. 2,483,998, Oct. 4.

Hunter, James H., and W. B. Reid, Jr., assignors to The Upjohn Company, Kalamazoo, Mich. N-(beta-pyrrolidinoethyl)-phenothiazine. 2,483,999, Oct. 4.

Hush, James M.: *See*—
Hansen, William L., and Hush.

Hush, James M., Dayton, Ohio, assignor to Hansen Manufacturing Company, Princeton, Ind. Synchronous electric motor. 2,483,543, Oct. 4.

Hutten, Herman, Easton, Pa. Sample cutter for textile piece goods. 2,483,493, Oct. 4.

Iavarone, Vincent, New York, N. Y. Retaining means for toolheads. 2,483,906, Oct. 4.

Ickes, George: *See*—
Brown, Theophilus and Ickes.

Ifield, Richard J., assignor to Joseph Lucas Limited, Birmingham, England. Liquid fuel controlling means. 2,483,907, Oct. 4.

Illian, Douglas F., Chicago, Ill., assignor to Hotpoint Inc. Electric switch. 2,483,831, Oct. 4.

Inal-X Corporation, assignee: *See*—
Smith, Howard E.

International Minerals and Chemical Corporation, assignee: *See*—
Archer, James R. and Dunn.

International Standard Electric Corporation, assignee: *See*—
Clark, Trevor H.
Fremlin, John H.
Gold, William A.

Jackson, Clifford C.: *See*—
Hicks, Harold A., and Jackson.

Jackson, George H., Roberts, Idaho. Heavy truck tire and wheel dolly. 2,483,908, Oct. 4.

Jacobsen, Oystein, Montgomery County, assignor to The Durriron Company, Inc., Dayton, Ohio. Lubrication fitting. 2,483,544, Oct. 4.

Jacot, Harold E., assignor to Sawyer Tanning Company, Napa, Calif. Leather measuring gauge. 2,483,639, Oct. 4.

Jaffe, Hans, assignor to The Brush Developmeat Company, Cleveland, Ohio. Piezoelectric crystal element. 2,483,640, Oct. 4.

Jaffe, Hans, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal element. 2,483,641, Oct. 4.

Jansen, Jacob E., and R. A. Mathes, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparation of beta (heterocyclic-thio) carboxylic acid compounds. 2,483,416, Oct. 4.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.

Jeffries, John J., and A. A. Meisel, Baltimore, Md. Animated signal. 2,483,463, Oct. 4.

Jenkins, Joseph W., Toronto, Ontario, Canada. Hand-operated loom. 2,483,642, Oct. 4.

Jenkins, Wayne E., and T. H. Thiele, Los Angeles, Calif., assignors, by mesne assignments, to C. I. T. Corporation. Thermostat adjustment indicator. 2,483,731. Oct. 4.

Johnson, Alexander H., Oak Park, Ill., assignor of one-half to F. T. Johnson, Milwaukee, Wis. Container. 2,483,464, Oct. 4.

Johnson, Charles C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bookbinding process. 2,483,465, Oct. 4.

Johnson, Edward H.: *See*—
Levetus, Francis B., and Johnson.

Johnson, Ellis A., Chevy Chase, Md. Method and apparatus for detecting permeable bodies. 2,483,417, Oct. 4.

Johnson, Everett C., Chicago, Ill. Welding torch attachment. 2,483,545, Oct. 4.

Johnson, Frederick T., assignee: *See*—
Johnson, Alexander H.

Johnson, James B., New London, Conn. Quilting machine. 2,483,466, Oct. 4.

Jones, Homer W., Westfield, N. J., assignor to The Linde Air Products Company. Blowpipe. 2,483,467, Oct. 4.

Jones, William D., West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and printing ink composition containing the same. 2,483,468, Oct. 4.

Jordan Electrical Manufacturing Company, assignee: *See*—
Robinson, Frank M., and Stein.

Joy Manufacturing Company, assignee: *See*—
Ball, Charles F.

Joyce, John R.: *See*—
Hawthorne, William R., and Joyce.

Joyner Corporation, The, assignee: *See*—
Davis, Oliver D.

Kacena, John, Chicago, and E. E. Kelly, Oak Park, assignors to Crane Co., Chicago, Ill.. Draft controlling furnace door actuating means. 2,483,702, Oct. 4.

Kaminski, Fred, Bisbee, Ariz. Ejector roasting fork. 2,483,546, Oct. 4.

Kamlet, Jonas, New York, N. Y., assignor to Publicker Industries, Inc., Philadelphia, Pa. Tobacco composition. 2,483,418, Oct. 4.

Karmin, Irving, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Adjustable reactance line. 2,483,419, Oct. 4.

Karrer, Josef, Zurich, assignor to Ateliers de Construction Oerlikon, Oerlikon, Switzerland. Multistage centrifugal blower with spiral casings. 2,483,643, Oct. 4.

Kearney & Trecker Corporation, assignee: *See*—
Armitage, Joseph B., and Heywood.

Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Basic lead phosphite pigments. 2,483,469, Oct. 4.

Keelavite Company, The, Limited, assignee: *See*—
Levetus, Francis B., and Johnson.

Keirsey, Robert C., Roy, N. Mex. Tilting animal chute. 2,483,909, Oct. 4.

Keller, Spencer R., Handley, W. Va. Internal grinding tool. 2,483,775, Oct. 4.

Kelley-Koett Manufacturing Co., The, assignee: *See*—
Feibel, Adolph H.

Kelly, Edward E.: *See*—
Kacena, John, and Kelly.

Kelsey, Alwyn L., North Hollywood, A. L. Hiebert, Beverly Hills, H. G. Tasker, Van Nuys, and W. E. Osborne, Los Angeles, assignors to Gilfillan Bros., Inc., Los Angeles County, Calif. Electronic angle indication with particular reference to radar systems. 2,483,644, Oct. 4.

Kennedy, C. F. E., assignee: *See*—
Douglas, Luther A.

Kennedy, Gilbert J., Philadelphia, Pa., assignor to Radio Corporation of America. Capacitor end filling machine. 2,483,910, Oct. 4.

Kenworth Motor Truck Corporation, assignee: *See*—
Brown, Wallace M.

Kerr, Ralph E., assignee: *See*—
Douglas, Luther A.

Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Change-speed gear. 2,483,774, Oct. 4.

Kingston, Arthur, Denham, England. Manufacturing artificial eyes. 2,483,832, Oct. 4.

Kistler, Samuel S.: *See*—
Bridgman, Percy W., Kistler, and Wheildon.

Kitman, Julia, Pittsburgh, Pa. Thermal circuit breaker. 2,483,645, Oct. 4.

Kitman, Julia, Pittsburgh, Pa. Thermal circuit breaker. 2,483,646, Oct. 4.

Kjellgren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing a Rochelle salt crystal. 2,483,647, Oct. 4.

Kjellman, Harry A., Jr., Steubenville, Ohio, assignor to Koppers Co., Inc., Pittsburgh, Pa. Purification of isoquinoline. 2,483,420, Oct. 4.

Klaris, Pieter A., Rotterdam, Netherlands, assignor to Lodewyk den Hartog. Mechanical calendar. 2,483,775, Oct. 4.

Kleiber, Carl E., Irvington, D. L. Campbell, Short Hills, D. E. Stines, Plainfield, and C. C. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Catalytic converter. 2,483,494, Oct. 4.

Klemm, William F., Detroit, Mich. Hardness tester. 2,483,495, Oct. 4.

Klemm, William F., Detroit, Mich. Precision chuck. 2,483,496, Oct. 4.

Kneissler, Walter: *See*—
Brill, Aron, and Kneissler.

Knight, Cyril H., Toronto, Ontario, Canada, assignor to The Dorr Company, New York, N. Y. Washing thickener system. 2,483,648, Oct. 4.

Koch, John B., assignor to American Blower Corporation, Detroit, Mich. Built-in ventilator. 2,483,547, Oct. 4.

Kohler, George O.: *See*—
Graham, William R., Jr., Kohler, and Frye.

Kolody, John: *See*—
Smith, Hugh T., Scheller, Meincke, and Kolody.

Koppers Co., Inc., assignee: *See*—
Kjellman, Harry A., Jr.

Koppers Company, Inc., assignee: *See*—
Hill, William H.
Shaw, Joseph A., and Fisher.

Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Breech and firing mechanism for recoilless firearms. 2,483,421, Oct. 4.

Kroier, Waldemar, Jacksonville, Fla. Roofing clip. 2,483,776, Oct. 4.

Krout, Clarence H.: *See*—
Veit, Hermann E., and Krout.

Kummer, Bernard J.: *See*—
Hawley, Thomas G., Jr., Kummer, and Barnes.

La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Variable speed transmission for airplane superchargers. 2,483,977, Oct. 4.

Lamborn, Herschel R., Kansas City, Kans., assignor to Phillips Petroleum Company. Injector. 2,483,911, Oct. 4.

Lampton, Glen T., West Hartford, and D. W. Perin, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic propeller. 2,483,912, Oct. 4.

Lampton, Glen T., West Hartford, assignor to United Aircraft Corporation, Hartford, Conn. Automatic propeller blade support. 2,483,913, Oct. 4.

Lange, Edward H., Baltimore, Md. Motor-power propelled lawn mowing machine. 2,483,777, Oct. 4.

Larson, George A., Rockford, Ill. Abrasive sleeve holder. 2,483,422, Oct. 4.

Lawson, Andrew L., Lincolnshire, assignor to Cardox Corporation, Chicago, Ill. U-tube pressure gauge. 2,483,914, Oct. 4.

Le Blanc, Adam J., Donaldsonville, assignor to Le Blanc Hardware Co., Inc., Parish of Ascension, La. Cultivator. 2,483,649, Oct. 4.

Le Blanc Hardware Co., Inc., assignee: *See*—
Le Blanc, Adam J.

Lechich, George P.: *See*—
Lewon, Rubin, and Lechich.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Loading machine. 2,483,650, Oct. 4.

Lee, Arthur L., Upper Arlington, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic valve. 2,483,651, Oct. 4.

Lee, Joseph O., West Allis, Wis. Moistening machine for wallpaper. 2,483,652, Oct. 4.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Slide fastener top stop. 2,483,703, Oct. 4.

Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Air conditioning system and register. 2,483,704, Oct. 4.

Lempert, Irving E.: *See*—
Feldt, Rudolf, and Lempert.

Lennan Lights, Inc., assignee: *See*—
Phillips, Eugene H.

Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Producing pectous jellies. 2,483,548, Oct. 4.

Leo, Herbert T., and C. C. Taylor, Anaheim, Calif. Preparation of pectous jellies. 2,483,549, Oct. 4.

Leo, Herbert T., C. C. Taylor, and J. W. Lindsey, Anaheim, Calif. Making high sugar content jellies. 2,483,550, Oct. 4.

Lesavoy, I. Lawrence, Allentown, Pa. System of finishing plastic sheets. 2,483,584, Oct. 4.

Lever Brothers Company, assignee: *See*—
Henderson, Lloyd F., and Libby.

Levetus, Francis B., Allesley, Coventry, and E. H. Johnson, Coventry, assignors to The Keelavite Company Limited, Allesley, Coventry, England. Rotary engine, pump, and the like. 2,483,705, Oct. 4.

Levin, Jacob, assignor of one-fourth to A. E. and F. E. Fineman, and fifteen per cent to H. Diamond, Pittsburgh, Pa. Toy blocks. 2,483,833, Oct. 4.

Levine, Arnold M.: *See*—
Grieg, Donald D., Levine, and Dubin.

Lewis, Harry M., Los Angeles, Calif. Combined clothes drier and canopy. 2,483,585, Oct. 4.

Lewis, Theodore R., Wauneta, Nebr. Actuating device for egg beaters. 2,483,497, Oct. 4.

Lewon, Rubin, Berkeley, and G. P. Lechich, Menlo Park, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Making calcareous-silicious insulating material. 2,483,498, Oct. 4.

Libby, Louis H.: *See*—
Henderson, Lloyd F., and Libby.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Data transfer mechanism for tabulators and the like. 2,483,551, Oct. 4.

Lichwala, Joseph M., assignee: *See*—
Giera, Max S.

Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lube oil additives and preparation thereof. 2,483,499, Oct. 4.

Limpert, Gregory H., Vineland, N. J. Closure for jars. 2,483,586, Oct. 4.

Lincoln, Wilbur C., Chicago, Ill. Sportsman's swivel seat. 2,483,552, Oct. 4.

Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for clarifying liquids. 2,483,706, Oct. 4.

Linde Air Products Company, The, assignee: *See*—
Jones, Homer W.
Shorter, Albert E.
Smith, Hugh T., Scheller, Meincke, and Kolody.
Thompson, Ivan P., and Miller.

Lindsey, John W.: *See*—
Leo, Herbert T., Taylor, and Lindsey.

Lines, Harold A., assignor to The Whitney Blake Company, Hamden, Conn. Insulation-testing apparatus. 2,483,915, Oct. 4.

Link-Belt Company, assignee: *See*—
Erisman, John L.

Little, Harry C., San Rafael, Calif. Tray type oil burner. 2,483,978, Oct. 4.

Lockwood, Samuel K., Carmel, and J. L. Smith, Pacific Grove, Calif. Fish cleaning apparatus. 2,483,470, Oct. 4.

Long, Robert W., Winter Park, Fla., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for obtaining X-ray diffraction patterns. 2,483,500, Oct. 4.

Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.
Watson, Ernest A.
Watson, Ernest A., and Shaw.

Lustig, Walter R., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Seat slide. 2,483,653, Oct. 4.

Lysak, Walter W., Seymour, assignor to United Aircraft Corporation, East Hartford, Conn. Method of and attachment for doped fabric. 2,483,916, Oct. 4.

Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Proportional control system. 2,484,000, Oct. 4.

Machinefabriek Reineveld N. V., assignee: *See*—
Van Riel, Pieter.

Mack, George S., Anderson, S. C. Apparatus for cutting Venetian blind tapes. 2,483,587, Oct. 4.

Madland, Thorvald: *See*—
Beauchamp, Wilfred A., and Madland.

Magdeburger, Edward C., Washington, D. C. Exhaust turbine for internal-combustion engines. 2,483,654, Oct. 4.

Magee, Earl E., Middleton, assignor to Morris Rosenthal and E. E. Magee, copartners, doing business as Star Die and Supply Company, Lynn, Mass. Machine for assembling sheet material. 2,483,707, Oct. 4.

Maggi, John J., Hayward, Calif. Parachute. 2,483,423, Oct. 4.

Magnavox Company, The, assignee: *See*—
Quinnell, La Vern E.

Maindal, Henrik, Aalborg, Denmark. Holder of the wire for electric laundry irons. 2,483,834, Oct. 4.

Mallory, Marion, Detroit, Mich. Air cleaner. 2,483,588, Oct. 4.

Mann, Estle R., Upper Montclair, S. W. Stanton, Glen Ridge, and T. T. Goldsmith, Jr., Cedar Grove Township, Essex County, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Process and apparatus for examining materials. 2,483,471, Oct. 4.

Manser, Donald N., Oakland, assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Quick-breaking emulsions having increased adhesion to mineral aggregate. 2,483,835, Oct. 4.

Mapes Consolidated Manufacturing Company, assignee: *See*—
Alfreds, Torris H.

Mapes, Gerard S.: *See*—
Flemming, Cecil D., and Mapes.

Marschalk, Frederick F., Augusta, Ga. Combined pestle and mercury dispensing apparatus. 2,483,656, Oct. 4.

Martin, Glenn L., Company, The, assignee: *See*—
Veit, Hermann E.
Veit, Hermann E., and Krout.

Martin, Warren S., Massapequa, assignor to Morse Boulger Destructor Company, New York, N. Y. Sludge and refuse disposal. 2,483,918, Oct. 4.

Martines, Rene, Cranston, assignor, by mesne assignments, to Electric Terminal Corporation, Providence, R. I. Soldering terminals for electrical conductors. 2,483,424, Oct. 4.

Maselter, Alois M., Rockville, Minn. Spring clip for adjusting wrench screws. 2,483,917, Oct. 4.

Matarrese, Carlo, Bronx, N. Y. Device for grinding and grating food. 2,483,472, Oct. 4.

Mateo, Manuel J., Jr., Evanston, assignor to Poole Bros. Inc., Chicago, Ill. Ticket holder. 2,483,553, Oct. 4.

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling circuit. 2,483,732, Oct. 4.

Mathes, Roger A.: *See*—
Jansen, Jacob E., and Mathes.

May, Sam, Dallas, Tex. Coin changer. 2,483,708, Oct. 4.

Mazzola, Joseph R., Kearny, assignor to Automatic Manufacturing Corporation, Newark, N. J. Coil and condenser assembly. 2,483,919, Oct. 4.

McAdams, Don R.: *See*—
Segura, M. A., and McAdams.

McClung, Sidney J., Winston-Salem, N. C. Producing explosive compositions. 2,483,589, Oct. 4.

McCoy, Paul E.: *See*—
Buckley, Walter D., and McCoy.

McCoy, Paul E., assignor, by mesne assignments, to Stancal Asphalt & Bitumuls Company, San Francisco, Calif. Emulsion product and making. 2,483,836, Oct. 4.

McGay, John B.: *See*—
Nicholson, George E., and McGay.

McGraw Electric Company, assignee: *See*—
Osterheld, Clark M.
Willman, Philip E.

McLean, Colin C., and S. A. Davis, assignors to Hospital Furniture, Inc., Chicago, Ill. Table attachment for beds. 2,483,920, Oct. 4.

McNab, John G.: *See*—
Rogers, Dilworth T., and McNab.

McNab, John G., Cranford, and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Double salts of phenol sulfonic acids. 2,483,501, Oct. 4.

Medart Company, The, assignee: *See*—
Albach, Frank, and Chervenka.

Medwed, Pinchos E., Bangor, Maine. Making moccasin uppers. 2,483,921, Oct. 4.

Meincke, Edward: *See*—
Smith, Hugh T., Scheller, Meincke, and Kolody.

Meisel, Abraham A.: *See*—
Jeffries, John J., and Meisel.

Merck & Co., Inc., assignee: *See*—
Clark, Robert L.

Merrill, Elwyn E.: *See*—
Barry, Arthur J., and Merrill.

Messer, John H., Pittsburgh, Pa. Chimney draft control. 2,483,922, Oct. 4.

Messick, Willard C., Syracuse, N. Y. Fire alarm device. 2,483,657, Oct. 4.

Meyer, Jules, Basel, and F. Ackermann, Binningen, assignors to Ciba Limited, Basel, Switzerland. Substituted ethylenes and making same. 2,483,392, Oct. 4.

Meyer, Ronald E.: *See*—
Otto, Ferdinand P., and Meyer.

Micro-Engineering Corporation, assignee: *See*—
Roos, Leonard H.

Milford Rivet and Machine Company, assignee: *See*—
Caltham, Victor M.

Miller, Alfred J.: *See*—
Thompson, Ivan P., and Miller.

Miller, Charles F., assignor to Price Electric Corporation, Frederick, Md. Polarized electromagnetic relay. 2,483,658, Oct. 4.

Miller Company, The, assignee: *See*—
De Lancey, Ralph W.

Miller, Robert W., Denver, Colo. Hose ferrule clamping machine. 2,483,659, Oct. 4.

Miller, Victor F., Queens Village, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch bank coating machine. 2,483,733, Oct. 4.

Mitchell, Wallace F., Chicago, Ill., assignor to Ammco Tools, Inc. Bench type honing machine. 2,483,590, Oct. 4.

Monsanto Chemical Company, assignee: *See*—
Baer, Massimo.
Carswell, Thomas S., and Hayes.
Dobratz, Elmer H.

Moore, Earl E., assignee: *See*—
Bovee, Ransom Y.

Moore, Marlin C., U. S. Army, Xenia, Ohio. Steam injection water heater. 2,483,426, Oct. 4.

Moran, Harold J., Pittston, Pa. Circular frame pilot chute. 2,483,425, Oct. 4.

Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignors to Standard Oil Development Company. Inhibition of resin growth from diolefins. 2,483,778, Oct. 4.

Morrey, Alfred E., Jr., Sand Springs, Okla., assignor to Phillips Petroleum Company. Vertical type internal outlet header for catalyst chambers. 2,483,923, Oct. 4.

Morrill, Lewis H., Los Angeles, Calif. Electric nursing bottle warmer. 2,483,979, Oct. 4.

Morris, Harry J., and L. Peters, Okmulgee, Okla. Attachment for mold carriers. 2,483,660, Oct. 4.

Morse Boulger Destructor Company, assignee: *See*—
Martin, Warren S.

Morse, Philip W.: *See*—
Revercomb, Henry E., and Morse.

Motorola, Inc., assignee: *See*—
Becwar, Rudolph A.

Moulinier, Edmond J., Paris, France. Pump. 2,483,924, Oct. 4.

Mucher, George J., assignor to Clarostat Mfg. Co., Inc., Brooklyn, N. Y. Mounting for rotary shafts. 2,483,779, Oct. 4.

Mueller, William L., assignee: *See*—
Drew, Edward J.

Musser, Clarence W.: *See*—
Kroeger, William J., and Musser.

Nagel, Theodore, Brooklyn, N. Y. Apparatus for burning gas oil. 2,483,925, Oct. 4.

Nappe, Moritz: *See*—
Smith, Parker K., and Nappe.

Nash, Albert G., Gorham, Ontario, Canada. Sanding device. 2,483,554, Oct. 4.

Nash-Kelvinator Corporation, assignee: *See*—
Philipp, Lawrence A.

Nash, Kermit E., assignee: *See*—
Burnett, John E.

National Automatic Tool Company, Inc., assignee: *See*—
Schafer, Robert A.

National Lead Company, assignee: *See*—
Baldwin, William J.
Kebrich, Leonard M.

Navy, United States of America as represented by the Secretary of, assignee: *See*—
Neas, Charles C.

Neal, Harry E., Columbus, assignor to Plastic Engineering, Inc., Cleveland, Ohio. Pyramidal highway marker with resilient walls. 2,483,734, Oct. 4.

Neas, Charles C., Boston, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Discharge device. 2,483,661, Oct. 4.

Neides, Hal D., assignee: *See*—
Switzer, George W.

Nelson, Anton E., Burlingame, Calif. Electric clock. 2,483,502, Oct. 4.

Nelson, Channing C.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.

Nettles, Isaac, Detroit, Mich. Gun with reciprocable breech block and rotary feeder. 2,483,837, Oct. 4.

Newell, William H., New York, J. D. Tear, Great Neck, and L. S. Brown, Long Island City, N. Y., assignors to The Sperry Corporation. Gyro-control mechanism. 2,483,980, Oct. 4.

Nichols, Charles W., Jr., assignee: *See*—
Nichols, Charles W.

Nichols, Charles W., West Orange, N. J., assignor, by mesne assignments, to C. W. Nichols, Jr., New York, N. Y. Pipe joint. 2,483,591, Oct. 4.

Nichols, Charles W., West Orange, and J. Greenspan, Nutley, N. J., assignors to Nichols Engineering & Research Corporation, New York, N. Y. Furnace shaft construction. 2,483,592, Oct. 4.

Nichols Engineering & Research Corporation, assignee: *See*—
Nichols, Charles W., and Greenspan.

Nichols, Harry J., New York, N. Y. Fuse. 2,483,555, Oct. 4.

Nichols Wire and Steel Company, assignee: *See*—
Zimmerman, Fred R.

Nicholson, George E., and J. B. McGay, Tulsa, Okla., assignors to Ohmer Corporation, Dayton, Ohio. Chart hub. 2,483,427, Oct. 4.

Nicholson, Madison G., Jr.: *See*—
Burlingame, Ernest D., and Nicholson, Jr.

Niederbiser, Floyd E., Cleveland, Ohio. Machine-tool adapter. 2,483,662, Oct. 4.

Niederl, Joseph B., Brooklyn, N. Y. Diisobutyl substituted heterocyclic compounds. 2,483,838, Oct. 4.

Nielsen, A. C., Company, assignee: *See*—
Clark, Robert A., Jr.

Nilson, Carl E. J., Aengelholm, Sweden. Time recording apparatus. 2,483,926, Oct. 4.

Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Machine for die-cutting paper. 2,483,735, Oct. 4.

Norton Company, assignee: *See*—
Bridgman, Percy W., Kistler, and Wheildon.

Norton, Douglas G.: *See*—
Smith, Curtis W., and Norton.

Novick, Barry, Newark, N. J. Sponge brush. 2,483,593, Oct. 4.

Nowak, Roman, Chicago, Ill. Marine propulsion. 2,483,663, Oct. 4.

Oakley, Sterling A., Lincolnwood, and R. T. Staudt, Chicago, Ill., assignors to Hotpoint Inc. Making electric heaters. 2,483,839, Oct. 4.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Frequency divider circuits. 2,483,556, Oct. 4.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Radio beacon system. 2,483,557, Oct. 4.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Area identification system. 2,483,558, Oct. 4.

Ohio Crankshaft Company, The, assignee: *See*—
Riddell, Donald W.
Strickland, Harold A., Jr.

Ohmer Corporation, assignee: *See*—
Nicholson, George E., and McGay.

Oliner, Saul, Brooklyn, N. Y. Hair net. 2,483,927, Oct. 4.

Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse operated system. 2,483,594, Oct. 4.

Olsen, C. A., Manufacturing Company, The, assignee: *See*—
Ryden, Eric H.

Olson, Charles U., Evanston, Ill. Sewing machine needle threader. 2,483,595, Oct. 4.

O'Malley, Louis J., assignee: *See*—
Spence, Robert T.

Osborne, William E.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker, and Osborne.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Room heater. 2,483,664, Oct. 4.

Ott, George J., assignee: *See*—
Ott, George S.

Ott, George S., assignor of fifty per cent to G. J. Ott, Rice Lake, Wis. Arrow clamp for archery bows. 2,483,928, Oct. 4.

Otto, Ferdinand P., Woodbury, N. J., and R. E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Sulfurization of reaction product of phosphorous pentasulfide and unsaturated acyclic ketone. 2,483,736, Oct. 4.

Overmyer, Dwight E.: *See*—
Anderson, Chester W., Hansen, and Overmyer.

Owen, James R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,483,929, Oct. 4.

Owen, John J.: *See*—
Voorhies, Alexis, Jr., and Owen.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Simison, Allen L.

Paillard, S. A., Sainte-Croix: *See*—
Prezioso, Giuseppe.

Palevsky, Harry, Urbana, and R. K. Swank, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Dynamic condenser. 2,483,981, Oct. 4.

Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Flaring tool with multiple tube holder and toolholder guiding means. 2,483,982, Oct. 4.

Paraffine Companies, The, Inc., assignee: *See*—
Lewon, Rubin, and Lechich.

Pardue, Louis A.: *See*—
Wollan, Ernest O., Pardue, and Goldstein.

Parke, Davis & Company, assignee: *See*—
Bartz, Quentin R.
Crooks, Harry M., Jr., Rebstock, Controulis, and Bartz.
Ehrlich, John, Smith, and Penner.
Rieveschl, George, Jr.

Parker, James C., Wadesboro, N. C. Illuminating loom parts. 2,483,840, Oct. 4.

Parmele, Benjamin J., Wilmington, N. C. Cyclone burner. 2,483,780, Oct. 4.

Parrish, William C., Park Ridge, assignor to Stewart Warner Corporation, Chicago, Ill. Internal-combustion burner for heaters. 2,483,737, Oct. 4.

Parrott, Robert D.: *See*—
Wise, Raleigh J., Ridings, and Parrott.

Passelègue, Gilbert, Suresnes, assignor to Société Bernard-Moteurs, Rueil-Malmaison Seine-et-Oise, France. Endless tread tractor and drive transmission therefor. 2,483,473, Oct. 4.

Pate, Carson H., Newark, N. J. Seaplane landing ramp. 2,483,474, Oct. 4.

Paula, William, Washington, D. C. Fruit peeling device. 2,483,930, Oct. 4.

Paulsen, Jean-Felix, Paris, France. Apparatus for vulcanising tubular articles. 2,483,700, Oct. 4.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Preparing vanillic acid. 2,483,559, Oct. 4.

Penner, Mildred A.: *See*—
Ehrlich, John, Smith, and Penner.

Perin, Donald W.: *See*—
Lampton, Glen T., and Perin.

Perkin-Elmer Corporation, The, assignee: *See*—
White, John U.

Perryman, William H., Alpine, Tex. Clothes hanger. 2,483,781, Oct. 4.

Peters, Lewey: *See*—
Morris, Harry J., and Peters.

Peters, Melville F., East Orange, N. J. Ignition system. 2,483,428, Oct. 4.

Petersen, Louis S., Forest Hills, assignor to F. L. Smidth & Co., New York, N. Y. Cooler. 2,483,738, Oct. 4.

Peterson, Carl D., and E. J. Barth, assignors to Dana Corporation, Toledo, Ohio. Shiftable synchronising clutch member. 2,483,841, Oct. 4.

Peterson, John E., assignor to Glass Block Spacer Guide, Inc., Chicago, Ill. Bearing and spacing guide member for glass block construction. 2,483,560, Oct. 4.

Philco Corporation, assignee: *See*—
Bradley, William E.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Two-temperature refrigeration system using two refrigerants. 2,483,842, Oct. 4.

Phillips, Eugene H., Glendale, assignor to Lennan Lights, Inc., Burbank, Calif. Pocket flashlight. 2,483,665, Oct. 4.

Phillips Petroleum Company, assignee: *See*—
Arnold, Philip M.
Carney, Samuel C.
Crouch, Willie W.
Hepp, Harold J.
Herbolsheimer, Glenn.
Lamborn, Herschel R.
Morrey, Alfred E., Jr.
Owen, James R.
Roberts, Perry L.
Underwood, Thomas M.

Photoswitch Incorporated, assignee: *See*—
Wolfner, William F., II.

Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of plural silica-containing hydrogel catalysts. 2,483,782, Oct. 4.

Pierce, Raymond C., Chicago, Ill. Shock absorber. 2,483,429, Oct. 4.

Pierce, Raymond C., Chicago, Ill. Shock absorber. 2,483,430, Oct. 4.

Pierrepont, Donald, Chadderton, Oldham, assignor to Platt Brothers and Company Limited, Oldham, England. Combing machine for combing textile fibers. 2,483,931, Oct. 4.

Plastic Engineering, Inc., assignee: *See*—
Neal, Harry E.

Platt Brothers and Company Limited, assignee: *See*—
Pierrepont, Donald.

Polak, James J., West Asheville, assignor to American Enka Corporation, Enka, N. C. Treatment of spinnerets to minimise contamination thereon. 2,483,783, Oct. 4.

Polaroid Corporation, assignee: *See*—
Gannon, Millard T.
Wolff, Otto E.

Pollack, Jacob E., Dundalk, Md. Toothbrush. 2,483,503, Oct. 4.

Poole Bros. Inc., assignee: *See*—
Mateo, Manuel J., Jr.

Powell, Louis H., assignor to Saint Paul Institute, St. Paul, Minn. Globe mount. 2,483,932, Oct. 4.

Power Jets (Research & Development) Limited, assignee: *See*—
Hawthorne, William R., and Joyce.
Kestell, Thomas A.

Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.

Presioso, Giuseppe, Yverdon, Switzerland, assignor to Paillard S. A., Sainte-Croix. Framework for typewriters. 2,483,843, Oct. 4.

Price, Charles P., Boston, Mass. Igniter for gas heaters. 2,483,666, Oct. 4.

Price Electric Corporation, assignee: *See*—
Miller, Charles F.

Printing Machinery Company, The, assignee: *See*—
Noell, Elmer F.

Proskauer, Richard, Westbury, N. Y., assignor to The Sperry Corporation. Blocking oscillator. 2,483,431. Oct. 4.

Prosperity Company, Inc., The, assignee: *See*—
Davis, Ernest, and Winnewisser.

Publicker Industries Inc., assignee: *See*—
Kamlet, Jonas.

Punchak, Thomas M., Cleveland, Ohio. Pouring cap. 2,483,784, Oct. 4.

Purdy, Rolland M., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Magneto. 2,483,667. Oct. 4.

Pure Oil Company, The, assignee: *See*—
Brennan, Elmer W., and Williams.
Stucker, Joseph B., Froncsak, and Wolfram.

Quaker Oats Company, The, assignee: *See*—
Graham, William B., Jr., Kohler, and Frye.

Quinnell, La Vern E., assignor to The Magnavox Company, Fort Wayne, Ind. Flat dry cell battery. 2,483,983, Oct. 4.

Radio Corporation of America, assignee: *See*—
Corrington, Murian S.
Evans, John.
Everett, Frederick C.
Hansell, Clarence W.
Hershberger, William D.
Kennedy, Gilbert J.
Shenk, Eugene R.
Stanko, Edward.
Wentworth, Chandler.

Ranseen, Maurits C., Minneapolis, Minn. Bag holder. 2,483,844, Oct. 4.

Raphael, Maud: *See*—
Clark, Sara L., and Raphael.

Rauh, Herbert H., Columbus, Ohio. Device for aerating water in minnow buckets or the like. 2,483,561, Oct. 4.

Raymond, George G., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Motor field frame and fabrication. 2,484,001, Oct. 4.

Raytheon Manufacturing Company, assignee: *See*—
Dawson, John W.

Reason, Richard E., and D. R. Berridge, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating roughness or modulations of a surface. 2,483,668, Oct. 4.

Rebstock, Mildred C.: *See*—
Crooks, Harry M., Jr., Rebstock, Controulis, and Barta.

Reese, Charles R.: *See*—
Gutschow, Arthur H., and Reese.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Gas range. 2,483,562, Oct. 4.

Reeves Hoffman Corporation, assignee: *See*—
Adams, James B., Jr.

Refining, Unincorporated: *See*—
Clayton, Benjamin.

Reich, Harold A., New York, N. Y. Skirt marker. 2,484,002, Oct. 4.

Reid, Andrew M., Chicago, Ill. Toast-marking electric heating assembly. 2,483,669, Oct. 4.

Reid, William B., Jr.: *See*—
Hunter, James H., and Reid.

Reingruber, Frank, New York, N. Y. Thermostatic switch. 2,483,670, Oct. 4.

Revercomb, Henry E., North Syracuse, and P. W. Morse, Clay, N. Y., assignors to General Electric Company. Ultra high frequency dielectric heater. 2,483,933, Oct. 4.

Reynolds, Lewis F.: *See*—
Dean, Walter B., and Reynolds.

Ridenour, Henry W., Bloomington, Ill. Edge trimming attachment for lawn mowers. 2,483,935, Oct. 4.

Richardson, Avery G., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radar indicator means. 2,483,432, Oct. 4.

Richardson, Russell, Mountain Lakes, N. J., assignor to Curtiss-Wright Corporation. Brazing propeller blades. 2,483,934, Oct. 4.

Riddell, Donald W., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-treating apparatus. 2,483,433, Oct. 4.

Ridings, Garvice H.: *See*—
Wise, Raleigh J., Ridings, and Parrott.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Disubstituted amino-alkyl benzhydryl amines. 2,483,434, Oct. 4.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Beta-benzohydryloxyethylamines and preparing. 2,483,435, Oct. 4.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Thioethers and obtaining the same. 2,483,436, Oct. 4.

Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Aminoalkyl benshydryl thioethers and their preparation. 2,483,671, Oct. 4.

Riviera Packing Company, assignee: *See*—
Smith, Herbert P.

Riser, Floyd R., Detroit, Mich. Lighting torch. 2,483,437, Oct. 4.

Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Etherification process. 2,483,739, Oct. 4.

Roberts, Perry L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluid. 2,483,936, Oct. 4.

Robertson, Edward H., assignor to Houston Oil Field Material Company, Houston, Tex. Packing for joints. 2,483,845, Oct. 4.

Robey, Richard F.: *See*—
Morrell, Charles E., and Robey.

Robinson, Adrian A., Indianapolis, Ind., assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Apparatus for bleaching fatty substances. 2,483,710, Oct. 4.

Robinson, Frank M., and C. D. Stein, assignors to Jordan Electrical Manufacturing Company, Minneapolis, Minn. Battery charger. 2,483,673, Oct. 4.

Robinson, Franklin P.: *See*—
Brandon, Martin, and Robinson.

Robinson, John G., administrator: *See*—
Smith, Alvin W.

Robinson, Merrill P., Upper Montclair, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,483,672, Oct. 4.

Roche, John A.: *See*—
Roche, Thomas J. and J. A.

Roche, Thomas J. and J. A., San Francisco, Calif. Lawn perforator. 2,483,846, Oct. 4.

Rock, George L., Jonesville, Mich., assignor to Vaco Products Company, Chicago, Ill. Detachable bit screw driver construction. 2,483,563, Oct. 4.

Rogers, Dilworth T., Summit, and J. G. McNab, Cranford, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,483,505, Oct. 4.

Rooke, Robert M.: *See*—
Huff, Harry A., Jr., and Rooke.

Roos, Leonard H., Burbank, assignor to Micro-Engineering Corporation, Los Angeles, Calif. Camera holder. 2,483,711, Oct. 4.

Rosen, Carl G. A., and R. P. Van Zandt, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Piston. 2,483,674, Oct. 4.

Rosenblum, Jacob, Crescent Park, assignor of one-fourth to H. Trattner, Audubon, and one-fourth to R. L. Siris, Camden, N. J. Oil vaporiser. 2,483,937, Oct. 4.

Rosenthal, Morris, assignee: *See*—
Magee, Earl E.

Routen, Joseph S., Wollaston, Mass. Range oil burner apparatus. 2,483,740, Oct. 4.

Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency modulating system. 2,483,438, Oct. 4.

Royer, Marcel, St.-Eustache sur le Lac, Quebec, Canada. Venetian blind bracket. 2,483,475, Oct. 4.

Royston, Chet A., Hamlet, N. C. Crib wardrobe. 2,483,938, Oct. 4.

Rudd, James B., and J. F. Allen, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Permeability tuned high-frequency coupling device. 2,483,596, Oct. 4.

Ryden, Eric H., assignor to The C. A. Olsen Manufacturing Company, Elyria, Ohio. Demountable baffle structure for furnace combustion chambers. 2,483,476, Oct. 4.

Sagar, Paul B., Cleveland, Ohio, assignor to General Controls Co., Glendale, Calif. Stoker control system, including delayed air feed. 2,483,847, Oct. 4.

Saint Paul Institute, assignee: *See*—
Powell, Louis H.

St. Regis Paper Company, assignee: *See*—
Vredenburg, Edric W.

Salmon, Reginald D.: *See*—
Thompson, Alfred E., and Salmon.

Saretzky, Simon, Newton, assignor, by mesne assignments, to Holtzer-Cabot, Inc., Boston, Mass. Synchronous motor. 2,483,848, Oct. 4.

Sartin, Hansel, Tujunga, Calif. Artificial limb. 2,483,506, Oct. 4.

Sawyer Tanning Company, assignee: *See*—
Jacot, Harold E.

Schafer, Robert A., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Machine tool. 2,483,712, Oct. 4.

Scheller, Arthur P.: *See*—
Smith, Hugh T., Scheller, Meincke, and Kolody.

Schickler, Albert C., Cleveland, Ohio. Pilot and burner control. 2,483,939, Oct. 4.

Schlumberger Well Surveying Corporation, assignee: *See*—
Aiken, Charles B.

Schogren, Carl E., assignor to Heppenstall Company, Pittsburgh, Pa. Supplemental forging press die. 2,483,597, Oct. 4.

Scholfield, Charles R.: *See*—
Teeter, Howard M., Scholfield, and Cowan.

Schottland, Edward, Forest Hills, assignor of one-half to R. Schottland, Jackson Heights, N. Y. Making skylights. 2,483,785, Oct. 4.

Schottland, Robert, assignee: *See*—
Schottland, Edward.

Schrank, Charles F. T., Avon Lake, Ohio. Protective coating composition. 2,483,598, Oct. 4.

Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Aircraft arresting apparatus. 2,483,655, Oct. 4.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,483,439. Oct. 4.

Scott, William J., Rugby, England, assignor to General Electric Company. Making lead-in seals. 2,483,940, Oct. 4.

Seaman, William H., Salina, Pa. Making composite castings. 2,483,849, Oct. 4.

Searles, Scott, Jr., Minneapolis, Minn., assignor to American Cyanamid Company, New York, N. Y. Phenyl thiosalicylate as a catalytic plasticiser for rubber. 2,483,984, Oct. 4.

Seaver, Edgar, Burr Oak, Mich. Combined pipe wrench and vise. 2,483,713, Oct. 4.

Segura, Marnell A., and D. R. McAdams, Baton Rouge, La., assignors to Standard Oil Development Company. Reclaiming a contaminated iron catalyst. 2,483,850, Oct. 4.

Shaffer, Edward W., Wichita, Kans. Girdle applying device. 2,483,714, Oct. 4.

Shaw, Frederick T.: *See*—
Watson, Ernest A., and Shaw.

Shaw, Joseph A., and E. Fisher, assignors to Koppers Company, Inc., Pittsburgh, Pa. Silver acetylide compound and making same. 2,483,440, Oct. 4.

Sheldon, Garnett G., Ferrysburg, Mich. Jet flow rudder. 2,483,675, Oct. 4.

Shell Development Company, assignee: *See*—
Geyer, Bradford P., and Ballard.
Hoogendam, Adriaan M. I.
Smith, Curtis W., and Ballard.
Smith, Curtis W., and Norton.
Van Loon, Mintje.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Synchronising system for telegraphy. 2,483,786, Oct. 4.

Sheraski, Edward E., Manitowoc, Wis. Knockdown box structure for fishing and tip-up signaling devices. 2,483,787, Oct. 4.

Sherman, Thomas L., assignor to The Steel Products Engineering Company, Springfield, Ohio. Braking system. 2,483,941, Oct. 4.

Shorter, Albert E., Sheffield, England, assignor to The Linde Air Products Company, New York, N. Y. Surface hardening of ferrous metal articles. 2,483,477, Oct. 4.

Simison, Allen L., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Parallel glass fiber unit. 2,484,003, Oct. 4.

Siris, Raymond L., assignee: *See*—
Rosenblum, Jacob.

Sitton, Philip N., Dayton, Ohio. Septic tank. 2,483,564, Oct. 4.

Six, Wilem: *See*—
Hardenberg, Jan J. C.

Sjostrand, Wilhelmina, St. Paul, Minn. Rail joint. 2,483,942, Oct. 4.

Slawik, Albert E., St. Paul, Minn. Drain cock receptacle. 2,483,943, Oct. 4.

Slutsky, Abraham, Brooklyn, N. Y. Collapsible sectional and portable washing machine. 2,483,676, Oct. 4.

Smelker, Helen M., assignee: *See*—
Smelker, Le Roy.

Smelker, Le Roy, Dayton, Ohio, assignor of one-fourth to H. M. Smelker, one-fourth to H. V. Bench and one-fourth to R. D. Smelker. Automobile tent. 2,483,478, Oct. 4.

Smelker, Roy D., assignee: *See*—
Smelker, Le Roy.

Smidth, F. L., & Co., assignee: *See*—
Petersen, Louis S.

Smith, Alvin W., J. G. Robinson, administrator of said A. W. Smith, deceased, assignor to E. L. Bauer, Cincinnati, Ohio. Fishing float. 2,483,788, Oct. 4.

Smith, Charles V., New York, N. Y. Syringe. 2,483,851, Oct. 4.

Smith, Curtis W., and D. G. Norton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of acrolein diacetate. 2,483,852, Oct. 4.

Smith, Curtis W., Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Monohydroxy dinitriles and esters thereof, and preparation of the same. 2,483,853, Oct. 4.

Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. Fish grading and separating apparatus. 2,483,507, Oct. 4.

Smith, Herbert P., assignor to Riviera Packing Company, Eastport, Maine. Apparatus for trimming fish. 2,483,508, Oct. 4.

Smith, Howard E., assignor to Insl-X Corporation, Brooklyn, N. Y. Plastic composition for coating wire. 2,483,441, Oct. 4.

Smith, Hugh T., Chicago, Ill., A. P. Scheller, Union, E. Meincke, Summit, and J. Kolody, Basking Ridge, N. J., assignors to The Linde Air Products Company. Wide continuous slotted nozzle metal scarfing blowpipe apparatus. 2,483,479, Oct. 4.

Smith, James L.: *See*—
Lockwood, Samuel K., and Smith.

Smith, John W., Long Island City, and F. A. Hester, assignors to Faximile, Inc., New York, N. Y. Page separation signal and pulse generator. 2,483,442, Oct. 4.

Smith, Parker K., Interlaken, and M. Nappe, Farmingdale, N. J. Portable outdoor wading pool. 2,483,789, Oct. 4.

Smith, Robert M.: *See*—
Ehrlich, John, Smith, and Penner.

Snook, Harry N.: *See*—
Grasso, Vito C., and Snook.

Snyder Chemical Corporation, assignee: *See*—
Snyder, Francis H.

Snyder, Francis H., New Rochelle, N. Y., assignor to Snyder Chemical Corporation, Bethel, Conn. Production of modified carbamide resins. 2,483,854, Oct. 4.

Société Bernard-Moteurs, Rueil-Malmaison, assignee: *See*—
Passelégue, Gilbert.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand W.

Societe "Rhodiaceta," assignee: *See*—
Corbiere, Paul C. E. J.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Flemming, Cecil D., and Mapes.
Otto, Ferdinand P., and Meyer.
Soderman, Arthur A., Los Angeles, Calif. Air conditioning apparatus. 2,483,500, Oct. 4.
Sollenberger, Lester D.: *See*—
Broussard, Robert F., and Sollenberger.
Solon, Philip O., Oakland, Calif. Apparatus for producing surgical splints or casts. 2,483,715, Oct. 4.
Sonn, Albert F., Cranston, R. I. Squeeser for tea bags. 2,483,985, Oct. 4.
Spang, Ferdinand J., Butler, Pa. Swivel rope socket. 2,483,944, Oct. 4.
Spence, Robert T., Lynn, assignor of eighteen one-hundredths to L. J. O'Malley, Boston, Mass. Flocking method and apparatus. 2,483,443, Oct. 4.
Sperry Corporation, The, assignee: *See*—
Newell, William H., Tear, and Brown.
Proskauer, Richard.
Sperry Products, Inc., assignee: *See*—
Firestone, Floyd A.
Spitzer, Lawrence K., Arapahoe County, near Englewood, Colo., assignor to Arrow Manufacturing Company. Drive-correlating steering means for tractors. 2,483,599, Oct. 4.
Stalker, Edward A., Bay City, Mich. Spanwise variable lift control for rotary wings. 2,483,480, Oct. 4.
Stancal Asphalt & Bitumuls Company, assignee: *See*—
Buckley, Walter D., and McCoy.
Manser, Donald N.
McCoy, Paul E.
Standard Brands Incorporated, assignee: *See*—
Robinson, Adrian A.
Standard Oil Development Company, assignee: *See*—
Barr, Frank T.
Hildebrandt, Alexander B.
Holder, Clinton H.
Kleiber, Carl E., Campbell, Stines, and Nelson.
Lieber, Eugene, and Cashman.
Long, Robert W.
McNab, John G., and Winning.
Morrell, Charles E., and Robey.
Pierce, Jerry A.
Rogers, Dilworth T., and McNab.
Segura, Marnell A., and McAdams.
Vickers, Herbert H.
Voorhies, Alexis, Jr., and Owen.
Wilson, Samuel W.
Zimmer, John C., and Duncan.
Stanko, Edward, Haddon Heights, N. J., assignor to Radio Corporation of America. Radio beacon. 2,483,790, Oct. 4.
Stanton, Samuel W.: *See*—
Mann, Estle R., Stanton and Goldsmith, Jr.
Star Die and Supply Company: *See*—
Magee, Earl E.
Stareck, Jesse E., Birmingham, Mich., assignor to United Chromium, Incorporated, New York, N. Y. Composition for dip coating solution and dip process for coloring zinc. 2,483,510, Oct. 4.
Staudt, Rufus T.: *See*—
Oakley, Sterling A., and Staudt.
Steel Products Engineering Company, The, assignee: *See*—
Sherman, Thomas L.
Stein, Carsten D.: *See*—
Robinson, Frank M., and Stein.
Stephenson Corporation, assignee: *See*—
Goodner, Monroe H.
Stetson, John C., assignor to J. C. Stunkel, Chicago, Ill. Shipping carton. 2,483,481, Oct. 4.
Stewart-Warner Corporation, assignee: *See*—
Parrish, William C.
Williams, Lynn A., Jr.
Stiles, Hugh R., St. Mary-of-the-Woods, assignor to Commercial Solvents Corporation, Terra Haute, Ind. Biochemical process for the production of riboflavin. 2,483,855, Oct. 4.
Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Vest pocket exposure meter. 2,483,945, Oct. 4.
Stines, Daniel E.: *See*—
Kleiber, Carl E., Campbell, Stines, and Nelson.
Stove, Florence, Company, assignee: *See*—
Reeves, Herbert M.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Agricultural implement hitch structure. 2,483,565, Oct. 4.
Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating head and arbor therefor. 2,483,444, Oct. 4.
Strobel, Joseph, Euclid, Ohio. Close-up finder for cameras. 2,483,482, Oct. 4.
Stucker, Joseph B., Oak Park, E. T. Fronczak, Chicago, and G. Wolfram, Desplaines, assignors to The Pure Oil Company, Chicago, Ill. Preparation of high-viscosity extreme pressure base by air-blowing. 2,483,600, Oct. 4.
Stunkel, John C., assignee: *See*—
Stetson, John C.
Sturtevant, Paul A., Elmhurst, Ill. Track coupler. 2,483,741, Oct. 4.
Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.
Supply, Minister of, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Baumann, Karl.
Svenska Flygmotor Aktiebolaget, assignee: *See*—
Bergstedt, Karl A.
Swank, Robert K.: *See*—
Palevsky, Harry, and Swank.
Swindell-Dressler Corporation, assignee: *See*—
Hanff, Edward A.
Swinehart, Frank, Strongsville, assignor to The Brush Development Company, Cleveland, Ohio. Moisture-proof piezoelectric crystal and making same. 2,483,677, Oct. 4.
Switzer, George W., Mill Valley, Calif., assignor of one-fourth to A. Blumenfeld and one-fourth to H. D. Neides. Automatic speed control of motors. 2,483,678, Oct. 4.
Switzer, George W., Mill Valley, Calif., assignor of one-fourth to A. Blumenfeld and one-fourth to H. D. Neides. Automatic change-over for motion-picture projection. 2,483,679, Oct. 4.
Talley, David, Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmitter system. 2,483,445, Oct. 4.
Tasker, Homer G.: *See*—
Kelsey, Alwyn L., Hiebert, Tasker and Osborne.
Taylor, Clarence C.: *See*—
Leo, Herbert T., and Taylor.
Leo, Herbert T., Taylor and Lindsey.
Taylor, Taylor & Hobson Limited, assignee: *See*—
Reason, Richard E. and Berridge.
Tear, James D.: *See*—
Newell, William H., Tear, and Brown.
Teeter, Howard M., C. R. Scholfield, and J. C. Cowan, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Diene addition product and making it. 2,483,791, Oct. 4.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Hydraulic mechanism. 2,483,856, Oct. 4.
Ten Cate, Lois E., Holland, Mich. Diaper drier. 2,483,792, Oct. 4.
Thermo Electric Manufacturing Company, assignee: *See*—
Edklund, Oscar F.
Thiele, Theodore H.: *See*—
Jenkins, Wayne E., and Thiele.
Thomas, Floyd M., Findlay, Ohio. Fire alarm cable. 2,483,793, Oct. 4.
Thomas's: *See*—
Howlett, Edward J.
Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Teleprinter. 2,483,446, Oct. 4.
Thompson, Ivan P., Elizabeth, and A. J. Miller, Garwood, N. J., assignors to The Linde Air Products Company. Shoe for thermochemical desurfacing machines. 2,483,483, Oct. 4.
Thompson, Ralph B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic acylation of aromatic compounds. 2,483,566, Oct. 4.
Thurman, Oliver, Jr., Mountain Lakes, N. J., assignor to Air Reduction Company, Incorporated. Torch tip. 2,483,742, Oct. 4.
Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Aliphatic polyene guanamines. 2,483,986, Oct. 4.
Timken Roller Bearing Company, The, assignee: *See*—
Edwards, Herbert C.
Timm, Raymond L., and L. L. Hartshorn, Minneapolis, Minn. Decoy. 2,483,680, Oct. 4.
Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.
Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Undergrate air admission means for lateral feed solid fuel stokers. 2,483,946, Oct. 4.
Towmotor Corporation, assignee: *See*—
Frischmann, Joseph A., and Herman.
Trattner, Henry, assignee: *See*—
Rosenblum, Jacob.
Tri-Clover Machine Co., assignee: *See*—
Hinrichs, Ferdinand.
Turner, Alonzo R., Oregon, Wis. Cover lift hinge. 2,483,947, Oct. 4.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Harness frame for looms. 2,483,857, Oct. 4.
Turrettini, Fernand W., assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Device for centering the spindle of machine tools. 2,483,743, Oct. 4.
Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Pick mechanism for looms. 2,483,987, Oct. 4.
Underwood, Thomas M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating tower containing solid contact material. 2,483,948, Oct. 4.

Union Oil Company of California, assignee: *See*—
Cubicciotti, Rudolph.
United Aircraft Corporation, assignee: *See*—
Lampton, Glen T.
Lampton, Glen T., and Perin.
Lysak, Walter W.
United Chromium, Incorporated, assignee: *See*—
Stareck, Jesse E.
United Merchants & Manufacturers Inc., assignee: *See*—
Weiss, Eric E.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Palevsky, Harry, and Swank.
Wollan, Ernest O., Pardue, and Goldstein.
United States Rubber Company, assignee: *See*—
Clifton, Maurice.
Universal Oil Products Company, assignee: *See*—
Thompson, Ralph B.
Upjohn Company, The, assignee: *See*—
Hunter, James H., and Reid.
Vaco Products Company, assignee: *See*—
Rock, George L.
Van der Neut, Teunis, assignor to Bakovenbouw voorheen H. P. den Boer N. V., Dordrecht, Netherlands. Oven. 2,483,681, Oct. 4.
Van Der Sluys, William, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Truck hanger suspension. 2,483,858, Oct. 4.
Van Loon, Mintje, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Antiring sticking lubricating composition. 2,483,859, Oct. 4.
Van Riel, Pieter, assignor to Machinefabriek Reineveld N. V., Delft, Netherlands. Discharger for centrifugal machines. 2,483,601, Oct. 4.
Van Valkenburgh, Edward A., Greene, N. Y. Tall oil acid composition. 2,483,797, Oct. 4.
Van Zandt, Rollin P.: *See*—
Rosen, Carl G. A., and Van Zandt.
Vars, Ethan W., Duncannon, assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa. Trailer hitch. 2,483,567, Oct. 4.
Veit, Hermann E., Towson, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for the dimpling of hard metal alloys. 2,483,798, Oct. 4.
Veit, Hermann E., Towson, Md., and C. H. Krout, York, Pa., assignors to The Glenn L. Martin Company, Middle River, Md. Dimpling tool. 2,483,799, Oct. 4.
Vernon, William F., Newton, Iowa. Shadow box. 2,483,744, Oct. 4.
Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Inner tube splicing device. 2,483,511, Oct. 4.
Victor, John H., Wilmette, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Fluid seal. 2,483,988, Oct. 4.
Victor Manufacturing & Gasket Company, assignee: *See*—
Victor, John H.
Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aminomercaptobenzenesulfonamides. 2,483,447, Oct. 4.
Voorhies, Alexis, Jr., and J. J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company. Hydrocarbon synthesis process catalyzed by oxidized and reduced iron. 2,483,512, Oct. 4.
Vossenberg, Frank A., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Fork adjustment for industrial trucks. 2,483,745, Oct. 4.
Vredenburg, Edric W., Berkeley, Calif., assignor to St. Regis Paper Company, New York, N. Y. Machine for application of sleeves to valve bags. 2,483,860, Oct. 4.
Waite, Philip M., Corry, Pa. Salvaging bowling pins. 2,483,568, Oct. 4.
Wallace, James M., Braddock, A. W. Edwards, and E. F. Beach, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,483,603, Oct. 4.
Washington, Robert W., Blue Island, Ill. Periodic rotary metering and distributing valve. 2,483,949, Oct. 4.
Watson, Ernest A., assignor to Joseph Lucas, Limited, Birmingham, England. Liquid fuel nozzle. 2,483,951, Oct. 4.
Watson, Ernest A., and F. T. Shaw, assignors to Joseph Lucas Limited, Birmingham, England. Power transmission mechanism. 2,483,950, Oct. 4.
Watson, Gertrude C., Houston, Tex. Ironer. 2,483,682, Oct. 4.
Wayworth, Walter G., Hartford, Conn. Protecting strip for trouser cuffs. 2,483,952, Oct. 4.
Weatherhead Company, The, assignee: *See*—
Balogh, Roy O.
Paquin, Joseph N.
Webster Manufacturing, Inc., assignee: *See*—
Ehinger, William E.
Weiner, Samuel, and S. Goldblatt, New York, N. Y. Adjustable mounting for baby carriage tops. 2,483,953, Oct. 4.
Weiss, Eric E., White Plains, N. Y., assignor to United Merchants & Manufacturers Inc., Wilmington, Del. Textile materials and making same. 2,483,861, Oct. 4.
Weiss, Gerhart, Sunnyside, N. Y. Pressure reducing valve. 2,483,954, Oct. 4.
Weiss, Daniel I., Zellenople, assignor to Beaver Art Metal Corporation, Ellwood City, Pa. Knockdown scaffold. 2,483,862, Oct. 4.
Weitzen, William, Dayton, Ohio. Oil tank adapted for oil dilution and deaeration. 2,483,448, Oct. 4.
Wellman, S. K., Company, The, assignee: *See*—
De Marinis, Frank.
Wells, Lee, and L. C. Fry, Gering, Nebr. Potato vine cutter. 2,483,683, Oct. 4.
Wentworth, Chandler, Princeton, N. J., assignor to Radio Corporation of America. Saggar. 2,483,794, Oct. 4.
Werber, Jack, Beacon, N. Y. Pocket safety device. 2,483,795, Oct. 4.
West Road Co. Limited, assignee: *See*—
Denisoff, Alexander C.
Western Electric Company, Incorporated, assignee: *See*—
Anderson, Chester W., Hansen, and Overmyer.
Grasso, Vito C., and Snook.
Williams, Alfred A.
Workman, William J.
Western Union Telegraph Company, The, assignee: *See*—
Wise, Raleigh J., Ridings, and Parrott.
Westinghouse Electric Corporation, assignee: *See*—
Baker, Robert M.
Cole, Russell H.
Edwards, Roy H.
Fahnoe, Harold H.
Wallace, James M., Edwards, and Beach.
Westmoreland, William D., Overton, Tex. Asbestos shingle nail hole punch. 2,483,796, Oct. 4.
Wheildon, William M., Jr.: *See*—
Bridgman, Percy W., Kistler, and Wheildon.
White, John U., Darien, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Optical apparatus utilizing light of a wave length above a selected value. 2,483,746, Oct. 4.
White, Thomas F., assignor to The Gates Rubber Company, Denver, Colo. Belt. 2,483,716, Oct. 4.
Whitney Blake Company, The, assignee: *See*—
Lines, Harold A.
Willard Storage Battery Company, assignee: *See*—
Carpenter, Benjamin S.
Williams, Alfred A., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Fluid operated guard and clutch control. 2,483,955, Oct. 4.
Williams, Chester, Ypsilanti, assignor of fifty per cent to M. R. Hannum, and fifty per cent to J. S. De Tar, Milan, Mich. Four-wheel trailer. 2,483,684, Oct. 4.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Printing scale. 2,483,989, Oct. 4.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Valve connector device. 2,483,990, Oct. 4.
Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel control apparatus. 2,483,747, Oct. 4.
Williams, Norman D.: *See*—
Brennan Elmer W., and Williams.
Willman, Philip E., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Impact thermostatic switch. 2,483,685, Oct. 4.
Wilmot Castle Company, assignee: *See*—
Greppin, Ernest H.
Wilson, Samuel W., Baton Rouge, La., assignor to Standard Oil Development Company. Diolefin extraction. 2,483,863, Oct. 4.
Wing, George S., Hermosa Beach, Calif. Drill bushing and bracket assembly. 2,483,686, Oct. 4.
Wing, Russell T., Excelsior, Minn. Fountain pen nib. 2,483,603, Oct. 4.
Winnewisser, Emil A.: *See*—
Davis, Ernest, and Winnewisser.
Winning, Carl: *See*—
McNeb, John G., and Winning.
Wise, Raleigh J., Dunellen, G. H. Riddings, Summit, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile transmission system. 2,483,449, Oct. 4.
Wisuri, Bernard J., Maynard, Mass. Vehicle signal and directional light. 2,483,687, Oct. 4.
Wittcoff, Harold: *See*—
Roach, John R., and Wittcoff.
Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Fluid phosphatide composition. 2,483,748, Oct. 4
Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Quaternary ammonium salts. 2,483,749, Oct. 4.
Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Film-holder for self-developing cameras. 2,483,389, Oct. 4.
Wolfner, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Electric detection apparatus. 2,483,450, Oct. 4.
Wolfram, George: *See*—
Stucker, Joseph B., Fronczak, and Wolfram.
Wolian, Ernest O., and L. A. Pardue, Oak Ridge, Tenn., and N. Goldstein, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Radiation exposure meter. 2,483,991, Oct. 4.

Workman, William J., North Arlington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Sand blasting machine. 2,483,956, Oct. 4.
Worthington Pump and Machinery Corporation, assignee: *See*—
Robinson, Merrill P.
Wright, Ben W., Boonton, N. J., assignor to Curtiss-Wright Corporation. Welding guide. 2,483,957, Oct. 4.
Wurtco Machine Company, assignee: *See*—
Touton, Rush D.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Vossenberg, Frank A.
Yassay, Walter, Bronx, and I. Barkan, Brooklyn, N. Y. Folding shopping cart. 2,483,958, Oct. 4.
Young, Raymond C., Manitowoc, Wis. Signal attachment for rural mail boxes. 2,483,992, Oct. 4.
Youngstown Steel Door Company, The, assignee: *See*—
Beauchamp, Wilfred A., and Madland.
Zacek, Paul W., assignor to Caspers Tin Plate Company, Chicago, Ill. Magnetically operated switch. 2,483,717, Oct. 4
Zies, Carl W., Lakewood, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Impregnating machine. 2,483,864, Oct. 4.
Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Grease composition. 2,483,800, Oct. 4.
Zimmerman, Fred R., assignor to Nichols Wire and Steel Company, Davenport, Iowa. Sinusoidal spring forming machine. 2,483,865, Oct. 4.
Ziola, Henry A., Mansfield, Ohio, assignor to Dominion Electrical Manufacturing, Inc. Circuit control means. 2,483,866, Oct. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Framing elements. F. Kauts. Re. 23,153, Oct. 4.

LIST OF PLANT INVENTIONS

Rose plant. S. B. Roberts. 877, Oct. 4.

LIST OF DESIGN INVENTIONS

Accelerator pedal pad and heel rest, Combined. C. A. Brictson. 155,383, Oct. 4.
Airplane. J. A. Burris. 155,387, Oct. 4.
Airplane. W. K. Ebel, A. J. Subasky, and W. D. van Zelm. 155,404, Oct. 4.
Bag, Clothespin. M. A. Howard. 155,425, Oct. 4.
Belt, Embossed. J. R. Hampel. 155,418–20, Oct. 4.
Belt or similar article. K. Krasnow. 155,430, Oct. 4.
Bezel, Watchcase. H. Dinhofer. 155,394–403, Oct. 4.
Bottle or similar article. W. P. Margulies. 155,436, Oct. 4.
Bowl, Manicurist. T. M. Mangold. 155,435, Oct. 4.
Cake box or the like, Souvenir. N. Alba. 155,374, Oct. 4.
Cap or the like. T. Noped. 155,443–4, Oct. 4.
Carrier, Bottle. P. F. Danielson. 155,392, Oct. 4.
Carrier for motorcycles, Luggage. A. T. Comiskey, Sr., and C. A. Comiskey. 155,391, Oct. 4.
Carton. J. Cohen. 155,389, Oct. 4.
Casing or similar article, Lamp. W. Y. Stamper and L. Z. La Forest. 155,459, Oct. 4.
Chain for a bracelet or the like, Expansible link. J. M. Bender. 155,380, Oct. 4.
Chain for a wristband or similar article. A. Pinson. 155,449–50, Oct. 4.
Christmas decoration, Illuminable. H. G. Sundheim, Jr. 155,460, Oct. 4.
Clock, Wall. N. J. Faniola. 155,405, Oct. 4.
Coffee grinder or the like. D. S. Isrin. 155,428, Oct. 4.
Comb or the like. B. Ulvad. 155,464, Oct. 4.
Compact. P. Flato. 155,408–9, Oct. 4.
Compact or similar article. P. E. Flato. 155,410, Oct. 4.
Container or the like, Lipstick. P. Brun. 155,385, Oct. 4.
Container or the like, Lipstick. B. d'Escayrac. 155,393, Oct. 4.
Cooking utensil. P. Muller-Munk. 155,442, Oct. 4.
Dispenser for face cream or the like. R. G. Bau. 155,377, Oct. 4.
Display case. R. L. Flannery. 155,407, Oct. 4.
Display case, Notion. J. F. Sylvia. 155,461, Oct. 4.
Dress. D. E. Gothé. 155,416, Oct. 4.
Earring or similar article. A. Philippe. 155,447, Oct. 4.
Fence and gate, Combined. L. Vecchio. 155,465, Oct. 4.
Figurine. E. Ciar. 155,388, Oct. 4.
Figurine. E. Peruggi. 155,446, Oct. 4.
Film material, Plastic. R. P. Magid. 155,433, Oct. 4.
Fire extinguisher. E. E. Seaberg. 155,456, Oct. 4.
Fish lure. Z. M. Wasielewski. 155,466. Oct. 4.
Forming device, Hamburger patty. I. P. Henderson. 155,422, Oct. 4.
Frame, Television viewing. W. S. Leffler and W. B. Green. 155,431–2, Oct. 4.
Game board or similar article. M. S. Goodick. 155,415, Oct. 4.
Glove, Rubber. A. E. Sidnell. 155,457, Oct. 4.
Grille, hood, fenders, and bumper for vehicles, Combined. W. F. Rothe. 155,452, Oct. 4.
Hairpin receptacle and opener, Combined. O. H. Zorn. 155,470, Oct. 4.
Hammer for body and fender work. G. J. Ince. 155,426, Oct. 4.
Hat. B. Molin and J. Rosenbaum. 155,437, Oct. 4.
Holder, Cosmetic. E. H. Orenick. 155,445, Oct. 4.
Holder, Paper cup. K. E. Bemis. 155,379, Oct. 4.
Holder, Table lighter. A. Arrighi. 155,375, Oct. 4.
Jewelry component. L. Schorr. 155,453, Oct. 4.
Kitchen tool, Combination. S. L. Gerson. 155,412, Oct. 4.
Knife, Sliding blade. G. L. Beckstrom. 155,378, Oct. 4.
Knob, Percolator. P. Muller-Munk. 155,440–1, Oct. 4.
Lamp with illuminable base. J. Provenzano. 155,451, Oct. 4.
Lighter, Cigarette. I. Florman. 155,411, Oct. 4.
Lighter, Table. S. Weston. 155,468, Oct. 4.
Link or similar article, Bracelet. K. C. Augenstein. 155,376, Oct. 4.
Lipstick casing and mirror, Combination. M. Goldenstein. 155,414, Oct. 4.
Name plate, Magnetic desk. J. J. Hatfield. 155,421, Oct. 4.
Necklace or similar article. A. Philippe. 155,448. Oct. 4.
Opening device, Stitch and seam. K. C. Bugg. 155,386, Oct. 4.
Pencil. D. Kahn. 155,429, Oct. 4.
Plate or similar article. G. J. Higginson. 155,423, Oct. 4.
Pot, Beverage. L. H. Hillman. 155,424, Oct. 4.
Receiving screen, Overhead television. V. Trad. 155,462, Oct. 4.
Receptacle for coins or similar articles. C. N. Weill. 155,467, Oct. 4.
Resistor, Miniature twin variable. K. W. Youngbeck and H. J. Glueckstein. 155,469, Oct. 4.
Serving utensil. Beverage. P. Muller-Munk. 155,438–9, Oct. 4.
Shirt and tie, Combined. V. Black. 155,381, Oct. 4.
Shoe or similar article. A. B. Gifford. 155,413, Oct. 4.
Signal, Highway reflector. R. R. Gunderson. 155,417, Oct. 4.
Signal, Highway traffic. R. O. Ferguson. 155,406, Oct. 4.
Sock or similar article. R. D. Blum, Jr., and S. B. Schwartz. 155,382, Oct. 4.
Sock or similar article. S. B. Schwartz and R. D. Blum, Jr. 155,454–5, Oct. 4.
Stocking or the like, Jeweled lady's. E. Troy. 155,463, Oct. 4.
Tool, Combination. J. J. Comerford. 155,390, Oct. 4.
Trolling sinker. K. M. Ingalls. 155,427, Oct. 4.
Visor, Automobile. W. A. Maher. 155,434, Oct. 4.
Wallet and memorandum pad, Combined. D. J. Broughton. 155,384, Oct. 4.
Wallet or similar article. S. J. Smallman. 155,458, Oct. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF OCTOBER, 1949

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive sleeve holder. G. A. Larson. 2,483,422, Oct. 4.
Acrolein diacetate, Production of. C. W. Smith and D. G. Norton. 2,483,852, Oct. 4.
Actuating device for egg beaters. T. K. Lewis. 2,483,497, Oct. 4.
Actuating mechanism, Exhaust nozzle. R. H. Cole. 2,483,401, Oct. 4.
Acyl polyalkylene-polyamine biguanides. F. J. Gajewski. 2,483,969, Oct. 4.
Adapter, Machine-tool. F. E. Niederhiser. 2,483,662, Oct. 4.
Addition product of 1,3 butadiene and furfural, Preparing an. G. Herbolsheimer. 2,483,903, Oct. 4.
Additives and preparation thereof, Lube oil. E. Lieber and A. F. Cashman. 2,483,499, Oct. 4.
Adjustable duplex tip holder. H. A. Huff, Jr., and R. M. Rooke. 2,483,730, Oct. 4.
Adjustable shelf bracket. L. A. Douglas. 2,483,758, Oct. 4.
Adjustment for industrial trucks, Fork. F. A. Vossenberg. 2,483,745, Oct. 4.
Agricultural implement hitch structure. C. G. Strandlund. 2,483,565, Oct. 4.
Air cleaner. M. Mallory. 2,483,588, Oct. 4.
Air conditioning apparatus. A. A. Soderman. 2,483,509, Oct. 4.
Air conditioning system and register. R. L. Leigh. 2,483,704, Oct. 4.
Aircraft arresting apparatus. A. B. Schultz. 2,483,655, Oct. 4.
Air suction clutch. H. Bianchette. 2,483,521, Oct. 4.
Aliphatic polyene guanamines. J. T. Thurston. 2,483,986, Oct. 4.
Alkyl N-(ortho-bicyclohexyl)-carbamates. E. H. Dobratz. 2,483,698, Oct. 4.
Amino-alkyl benshydryl amines, Disubstituted. G. Rieveschl, Jr. 2,483,434, Oct. 4.
Aminoalkyl benshydryl thioethers and their preparation. G. Rieveschl, Jr. 2,483,671, Oct. 4.
Aminomercaptobensenesulfonamides. W. H. Vinton. 2,483,447, Oct. 4.
Ammonium salts, Quaternary. H. Wittcoff. 2,483,749, Oct. 4.
Anchor and spike harness, Rail. A. Gehnert. 2,483,491, Oct. 4.
Angle indication with particular reference to radar systems, Electronic. A. L. Kelsey, A. L. Hiebert, H. G. Tasker, and W. E. Osborne. 2,483,644, Oct. 4.
Animal trap. C. Cole. 2,483,881, Oct. 4.
Animated signal. J. J. Jeffries and A. A. Meisel. 2,483,463, Oct. 4.
Antenna, Directional microwave. C. C. Cutler. 2,483,575, Oct. 4.
Antenna system, Triple element auto directional. A. H. Gutschow and C. B. Reese. 2,483,504, Oct. 4.
Antistain baths for sensitive color photographic material. H. C. Harsh and J. E. Bates. 2,483,971, Oct. 4.
Anvil unit for rivet setting machines. V. M. Caltham. 2,483,807, Oct. 4.
Apparatus for bleaching fatty substances. A. A. Robinson. 2,483,710, Oct. 4.
Apparatus for burning gas oil. T. Nagel. 2,483,925, Oct. 4.
Apparatus for clarifying liquids. A. C. Lind. 2,483,706, Oct. 4.
Apparatus for cutting Venetian blind tapes. G. S. Mack. 2,483,587, Oct. 4.
Apparatus for determining the listening habits of wave signal receiver users. R. A. Clark, Jr. 2,483,573, Oct. 4.
Apparatus for drying oil. B. Clayton. 2,483,623, Oct. 4.
Apparatus for gauging jacks. C. W. Anderson, L. D. Hansen, and D. E. Overmyer. 2,483,867, Oct. 4.
Apparatus for manufacturing containers. A. A. Abramson. 2,483,605, Oct. 4.
Apparatus for measuring or indicating roughness or modulations of a surface. R. E. Reason and D. R. Berridge. 2,483,668, Oct. 4.
Apparatus for obtaining X-ray diffraction patterns. R. W. Long. 2,483,500, Oct. 4.
Apparatus for producing surgical splints or casts. P. O. Solon. 2,483,715, Oct. 4.
Apparatus for seismic prospecting. A. B. Hildebrandt. 2,483,770, Oct. 4.
Apparatus for the dimpling of hard metal alloys. H. E. Veit. 2,483,798, Oct. 4.
Apparatus for trimming fish. H. P. Smith. 2,483,508, Oct. 4.
Apparatus for vulcanizing tubular articles. J.-F. Paulsen. 2,483,709, Oct. 4.
Apparatus for welding the seams of tubular articles. W. J. Goettings. 2,483,973, Oct. 4.
Appliance, Domestic. R. R. Candor. 2,483,526, Oct. 4.
Arrangement for milkers, Supporting. H. B. Babson. 2,483,516, Oct. 4.
Arrow clamp for archery bows. G. S. Ott. 2,483,928, Oct. 4.
Artificial eyes, Manufacturing. A. Kingston. 2,483,832, Oct. 4.
Assembling a self-contained roller bearing cage, roller, and raceway unit. H. C. Edwards. 2,483,695, Oct. 4.
Attachment for beds, Table. C. C. McLean and S. A. Davis. 2,483,920, Oct. 4.
Attachment for lawn mowers, Edge trimming. H. W. Ridenour. 2,483,935, Oct. 4.
Attachment for mold carriers. H. J. Morris and L. Peters. 2,483,660, Oct. 4.
Attachment for rural mail boxes, Signal. R. C. Young. 2,483,992, Oct. 4.
Attachment for spark testing, Grinder. J. G. Cooper. 2,483,882, Oct. 4.
Automatic propeller blade support. G. T. Lampton. 2,483,913, Oct. 4.
Baffle structure for furnace combustion chambers, Demountable. E. H. Ryden. 2,483,476, Oct. 4.
Bag holder. M. C. Ranseen. 2,483,844, Oct. 4.
Barite ores, Flotation of. E. W. Gieseke. 2,483,970, Oct. 4.
Basic lead phosphite pigments. L. M. Kebrich. 2,483,469, Oct. 4.
Battery charger. F. M. Robinson and C. D. Stein. 2,483,673, Oct. 4.
Battery, Flat dry cell. L. E. Quinnell. 2,483,983, Oct. 4.
Beacon, Radio. E. Stanko. 2,483,790, Oct. 4.
Beacon system, Radio. W. J. O'Brien. 2,483,557, Oct. 4.
Bed, Invalid's. M. D. Beem. 2,483,612, Oct. 4.
Belt. T. F. White. 2,483,716, Oct. 4.
Benzene and homologues thereof, Purification of. H. J. Hepp. 2,483,492, Oct. 4.
Beta-benzohydryloxyethylamines and preparing. G. Rieveschl, Jr. 2,483,435, Oct. 4.
Beta-ethoxy-alpha-phenylacetamidoacrylic acid. R. L. Clark. 2,483,530, Oct. 4.
Beta (heterocyclic-thio) carboxylic acid compounds, The preparation of. J. E. Jansen and R. A. Mathes. 2,483,416, Oct. 4.
Bin construction, Counter. H. J. Hickey. 2,483,769, Oct. 4.
Biochemical process for the production of riboflavin. H. R. Stiles. 2,483,855, Oct. 4.
Blasting machine, Sand. W. J. Workman. 2,483,956, Oct. 4.
Blowpipe. H. W. Jones. 2,483,467, Oct. 4.
Blowpipe apparatus, Wide continuous slotted nozzle metal scarfing. H. T. Smith, A. P. Scheller, E. Meincke, and J. Kolody. 2,483,479, Oct. 4.
Boat construction. F. J. de Boisblanc. 2,483,531, Oct. 4.
Bonding rubberlike materials to metal. M. Clifton. 2,483,754, Oct. 4.
Bookbinding process. C. C. Johnson. 2,483,465, Oct. 4.
Bowling alleys, Straightening. C. O. Hughes. 2,483,976, Oct. 4.
Bowling pins, Salvaging. P. M. Waite. 2,483,568, Oct. 4.
Box: *See*—
Multiple compartment box. Storage box.
Shadow box.
Box structure for fishing and tip-up signaling devices, Knockdown. E. E. Sheraski. 2,483,787, Oct. 4.
Bracket: *See*—
Adjustable shelf bracket. Venetian blind bracket.
Braking system. T. L. Sherman. 2,483,941, Oct. 4.
Breech and firing mechanism for recoilless firearms. W. J. Kroeger and C. W. Musser. 2,483,421 Oct. 4.
Briquetting machine. A. F. Howe. 2,483,638, Oct. 4.
Brush holder. W. R. Goss. 2,483,898, Oct. 4.
Brush, Sponge. B. Novick. 2,483,593, Oct. 4.
Buffing wheel. G. R. Churchill. 2,483,879, Oct. 4.
Burner: *See*—
Cyclone burner. Tray type oil burner.
Hydroxylating pot type burner.
Burner for heaters, Internal-combustion. W. C. Parrish. 2,483,737, Oct. 4.
Burner with casing, Oil. J. D. Garrett. 2,483,822, Oct. 4.
Burning high moisture content fuel, Method and apparatus for. A. L. Glaeser. 2,483,728, Oct. 4.

Bushing and bracket assembly, Drill. G. S. Wing. 2,483,686, Oct. 4.
Cabinet: *See*—
Knockdown utility cabinet.
Cable: *See*—
Fire alarm cable.
Cable guide, Electrical. S. W. Duncan. 2,483,760, Oct. 4.
Calculating machine. E. Grip. 2,483,459, Oct. 4.
Calendar, Mechanical. P. A. Klaris. 2,483,775, Oct. 4.
Camera holder. L. H. Roos. 2,483,711, Oct. 4.
Cap: *See*—
Pouring cap.
Capacitor end filling machine. G. J. Kennedy. 2,483,910, Oct. 4.
Car: *See*—
Transfer car.
Car door and lock therefor. W. A. Beauchamp and T. Madland. 2,483,611, Oct. 4.
Cart, Folding shopping. W. Yaszay and I. Barkan. 2,483,958, Oct. 4.
Carton, Shipping. J. C. Stetson. 2,483,481, Oct. 4.
Case: *See*—
Cigarette case.
Casting machine. B. S. Carpenter. 2,483,808, Oct. 4.
Catalyst comprising dispersed alkali metal and alkali metal mercaptide and polymerization process employing said catalyst. W. W. Crouch. 2,483,887, Oct. 4.
Catalyst comprising dispersed alkali metal and carbon black and polymerization process employing said catalyst. W. W. Crouch. 2,483,886, Oct. 4.
Catalytic acylation of aromatic compounds. R. B. Thompson. 2,483,566, Oct. 4.
Catalytic hydrocarbon conversion. J. R. Owen. 2,483,929, Oct. 4.
Catalytic production of ketene from acetic acid. P. C. E. J. Corbiere. 2,483,883, Oct. 4.
Cathode-ray tube. R. Feldt and I. E. Lempert. 2,483,457, Oct. 4.
Cathodic protection system. W. F. Bonner. 2,483,397, Oct. 4.
Centrifugal blower with spiral casings, Multistage. J. Karrer. 2,483,643, Oct. 4.
Chair: *See*—
High chair.
Change-over for motion-picture projection, Automatic. G. W. Switzer. 2,483,679, Oct. 4.
Change-speed gear. T. A. Kestell. 2,483,774, Oct. 4.
Chimney draft control. J. H. Messer. 2,483,922, Oct. 4.
Chloramphenicol, Manufacture of. J. Ehrlich, R. M. Smith, and M. A. Penner. 2,483,892, Oct. 4.
Chloroamphenicol, Obtaining. Q. R. Bartz. 2,483,871, Oct. 4.
Chuck, Precision. W. F. Klemm. 2,483,496, Oct. 4.
Chute, Circular frame pilot. H. J. Moran. 2,483,425, Oct. 4.
Chute, Tilting animal. R. C. Keirsey. 2,483,909, Oct. 4.
Cigarette case. A. B. Harris. 2,483,460, Oct. 4.
Cigarette dispenser. E. H. Barmore. 2,483,609, Oct. 4.
Circuit: *See*—
Relay circuit. Turnable unit for high-frequency circuit.
Signaling circuit.
Circuit breaker. J. M. Wallace, A. W. Edwards, and E. F. Beach. 2,483,602, Oct. 4.
Circuit breaker, Thermal. J. Kitman. 2,483,645–6, Oct. 4.
Circuit control means. H. A. Ziola. 2,483,866, Oct. 4.
Circuit maker and breaker, Electromagnetic. E. T. Burton. 2,483,723, Oct. 4.
Circuits, Counting and timing. E. D. Burlingame and M. G. Nicholson, Jr. 2,483,620, Oct. 4.
Circuits, Frequency divider. W. J. O'Brien. 2,483,556, Oct. 4.
Clamping device. J. E. Giles. 2,483,697, Oct. 4.
Clamping machine, Hose ferrule. R. W. Miller. 2,483,659, Oct. 4.
Cleaner: *See*—
Air cleaner.
Cleaning apparatus, Fish. S. K. Lockwood and J. L. Smith. 2,483,470, Oct. 4.
Clip: *See*—
Fender welt clip. Roofing clip.
Clock, Electric. A. R. Nelson. 2,483,502, Oct. 4.
Closure for jars. G. H. Limpert. 2,483,586, Oct. 4.
Clothes drier and canopy, Combined. H. M. Lewis. 2,483,585, Oct. 4.
Clothes hanger. W. H. Perryman. 2,483,781, Oct. 4.
Clutch: *See*—
Air suction clutch.
Clutch member, Shiftable synchronizing. C. D. Peterson and E. J. Barth. 2,483,841, Oct. 4.
Coating composition, Protective. C. F. T. Schrank. 2,483,598, Oct. 4.
Coating machine, Switch bank. V. F. Miller. 2,483,733, Oct. 4
Coil and condenser assembly. J. R. Massola, 2,483,919, Oct. 4.
Coil having a ferrite core. J. J. C. Hardenberg and W. Six. 2,483,900, Oct. 4.
Coin charger. S. May. 2,483,708, Oct. 4.
Collector, Dust. A. A. Carlson. 2,483,690, Oct. 4.
Color sorting device using differently color-selective photocells and a cathode-ray tube. C. Berkley. 2,483,452, Oct. 4.
Colorimeter, Thermally stable. W. J. Boyer. 2,483,875, Oct. 4.
Combined shipping and display container. B. V. Dubiner. 2,483,533, Oct. 4.
Combing machine for combing textile fibers. D. Pierrepont. 2,483,931, Oct. 4.
Combustion control. E. Bullock. 2,483,689, Oct. 4.
Compensator for electrical measuring systems, Temperature. A. C. Denisoff. 2,483,757, Oct. 4.
Composite castings, Making. W. H. Seaman. 2,483,849, Oct. 4.
Composition for dip coating solution and dip process for coloring zinc. J. E. Stareck. 2,483,510, Oct. 4.
Concrete composition, Waterproof. W. D. Buckley and P. E. McCoy. 2,483,806, Oct. 4.
Condenser: *See*—
Dynamic condenser.
Condenser arrangement, Evaporative. C. F. Henney. 2,483,540, Oct. 4.
Connector device, Valve. L. S. Williams. 2,483,990, Oct. 4.
Container: *See*—
Combined shipping and display container.
Container. A. E. Harker. 2,483,412, Oct. 4.
Container. A. H. Johnson. 2,483,464, Oct. 4.
Container and making the same. A. A. Abramson. 2,483,604, Oct. 4.
Continuous polymerization, Method and apparatus for. S. C. Carney. 2,483,877, Oct. 4.
Control apparatus, Fuel. L. A. Williams, Jr. 2,483,747, Oct. 4.
Control system. J. L. Barker. 2,483,394, Oct. 4.
Control system, Proportional. W. D. Macgeorge. 2,484,000, Oct. 4.
Converter, Catalytic. C. E. Kleiber, D. L. Campbell, D. E. Stines, and C. C. Nelson. 2,483,494, Oct. 4.
Converter system, Power. C. W. Hansell. 2,483,766, Oct. 4.
Cooker, Pressure. R. F. Davis. 2,483,628, Oct. 4.
Cooler. L. S. Petersen. 2,483,738, Oct. 4.
Coop, Shipping. O. F. Carpenter. 2,483,527, Oct. 4.
Copolymer composition. T. S. Carswell and R. F. Hayes. 2,483,753. Oct. 4.
Coupler, Track. P. A. Sturtevant. 2,483,741, Oct. 4.
Coupling device, Permeability tuned high-frequency. J. B. Rudd and J. F. Allen. 2,483,596, Oct. 4.
Coupling device, Variable. O. D. Davis. 2,483,994, Oct. 4.
Crib wardrobe. C. A. Royston. 2,483,938, Oct. 4.
Crystal holder. J. B. Adams, Jr. 2,484,004, Oct. 4.
Cultivator. A. J. Le Blanc. 2,483,649, Oct. 4.
Cutter: *See*—
Potato vine cutter.
Cutter for textile piece goods, Sample. H. Hutten. 2,483,493, Oct. 4.
Cyclone burner. B. J. Parmele. 2,483,780, Oct. 4.
Decoy. R. L. Timm and L. L. Hartshorn. 2,483,680, Oct. 4.
Derivatives of 2,1-benzopyran. B. P. Geyer and S. A. Ballard. 2,483,824, Oct. 4.
Detection apparatus, Electric. W. F. Wolfner, II. 2,483,450, Oct. 4.
Device for aerating water in minnow buckets or the like. H. H. Rauh. 2,483,561, Oct. 4.
Device for centering the spindle of machine tools. F. W. Turrettini. 2,483,743, Oct. 4.
Device for grinding and grating food. C. Matarrese. 2,483,472, Oct. 4.
Diaper. M. S. Dayan. 2,483,756, Oct. 4.
Diaper drier. L. E. Ten Cate. 2,483,792, Oct. 4.
Die: *See*—
Supplemental forging press die.
Dielectric heating, High-frequency. R. M. Baker. 2,483,569, Oct. 4.
Diene addition product and making it. H. M. Teeter, C. R. Scholfield, and J. C. Cowan. 2,483,791, Oct. 4.
Diisobutyl substituted heterocyclic compounds. J. B. Niederl. 2,483,838, Oct. 4.
Dimpling tool. H. E. Veit and C. H. Krout. 2,483,799, Oct. 4.
Direction finder, Radio. G. S. Burroughs. 2,483,399, Oct. 4.
Dirigible light. L. M. Benson. 2,483,615, Oct. 4.
Discharge device. C. C. Neas. 2,483,661, Oct. 4.
Discharger for centrifugal machines. P. van Riel. 2,483,601, Oct. 4.
Dispenser: *See*—
Cigarette dispenser.
Display device, Advertising. A. G. Harris. 2,483,901, Oct. 4.
Door for bulk commodity railroad cars. M. Brandon and F. P. Robinson. 2,483,523, Oct. 4.
Doped fabric, Method of and attachment for. W. W. Lysak. 2,483,916, Oct. 4.
Double salts of phenol sulfonic acids. J. G. McNab and C. Winning. 2,483,501, Oct. 4.
Draft controlling furnace door actuating means. J. Kacena and E. E. Kelly. 2,483,702, Oct. 4.
Drain cock receptacle. A. E. Slawik. 2,483,943, Oct. 4.
Drier: *See*—
Diaper drier.
Drier or cooler, Rotary. J. L. Erisman. 2,483,630, Oct. 4.
Drill press. B. W. Benbow. 2,483,613, Oct. 4.
Drilling fluid. P. L. Roberts. 2,483,936, Oct. 4.

Drive for machine tools, Reciprocatory. K. F. Gallimore. 2,483,535, Oct. 4.
Driving mechanism, Stud. W. B. Bronander. 2,483,751, Oct. 4.
Drum, Level winding. W. M. Brown. 2,483,688, Oct. 4.
Dynamic condenser. H. Palevsky and R. K. Swank. 2,483,981, Oct. 4.
Edger for scrapers. S. A. Courter. 2,483,624, Oct. 4.
Electric heaters, Making. S. A. Oakley and R. T. Staudt. 2,483,839, Oct. 4.
Electric switch. D. F. Illian. 2,483,831, Oct. 4.
Electromagnetic straight-line motor. F. C. Fisher. 2,483,895, Oct. 4.
Electronic switch. T. H. Clark. 2,483,400, Oct. 4.
Electronographic printing, Process and apparatus for. W. C. Huebner. 2,483,462, Oct. 4.
Eliminator for frosen food cases, Sweat. C. C. Brinkoeter. 2,483,804, Oct. 4.
Eliminator for printing presses, Static. W. J. Hooper. 2,483,542, Oct. 4.
Emergency stop mechanism. E. A. Hanff. 2,483,828, Oct. 4.
Emulsion product and making. P. E. McCoy. 2,483,836, Oct. 4.
Emulsions having increased adhesion to mineral aggregate, Quick-breaking. D. N. Manser. 2,483,835, Oct. 4.
Enamel opacifier and producing an enamel therefrom. W. J. Baldwin. 2,483,393, Oct. 4.
Engine, pump, and the like, Rotary. F. B. Levetus and E. H. Johnson. 2,483,705, Oct. 4.
Etherification process. J. R. Roach and H. Wittcoff. 2,483,739, Oct. 4.
Examining materials, Process and apparatus for. E. R. Mann, S. W. Stanton, and T. T. Goldsmith, Jr. 2,483,471, Oct. 4.
Explosive compositions, Producing. S. J. McClung. 2,483,589, Oct. 4.
Extraction, Diolefin. S. W. Wilson. 2,483,863, Oct. 4.
Fats and oils and making soap therefrom, Bleaching. L. F. Henderson and L. H. Libby. 2,483,414, Oct. 4.
Fats and oils, Bleaching. L. F. Henderson and L. H. Libby. 2,483,413, Oct. 4.
Feeder: *See*—
  Gun with reciprocable breech block and rotary feeder.
Fender weit clip. A. H. Burski. 2,483,622, Oct. 4.
Fibrous materials, Process and apparatus for producing. C. S. Francis, Jr. 2,483,406 Oct. 4.
Fibrous product, Making a. C. S. Francis, Jr. 2,483,404, Oct. 4.
Fibrous products and textiles produced therewith. C. S. Francis, Jr. 2,483,405, Oct. 4.
Film-holder for self-developing cameras. O. E. Wolff. 2,483,389, Oct. 4.
Film holder, Self-developing. M. T. Gannon. 2,483,390, Oct. 4.
Film magazine, Camera cut. A. F. Gallistel, Jr. 2,483,578, Oct. 4.
Finder for cameras, Close-up. J. Strobel. 2,483,482, Oct. 4.
Finishing strip for plaster walls, Edge. G. R. Danielson. 2,483,888, Oct. 4.
Fire alarm cable. F. M. Thomas. 2,483,793, Oct. 4.
Fire alarm device. W. C. Messick. 2,483,657, Oct. 4.
Fireplace screen. A. J. Arany. 2,483,608, Oct. 4.
Fishline reel. M. S. Giera. 2,483,696, Oct. 4.
Fishing float. A. W. Smith. 2,483,788, Oct. 4.
Fishing rod and handle assembly. A. C. Bishoff. 2,483,519, Oct. 4.
Fishing tackle device. G. P. Girard. 2,483,537, Oct. 4.
Fitting, Lubrication. O. Jacobsen. 2,483,544, Oct. 4.
Flaring tool with multiple tube holder and toolholder guiding means. J. N. Paquin. 2,483,982, Oct. 4.
Flashlight. E. L. Falge. 2,483,820, Oct. 4.
Flashlight, Electric. R. L. Falge. 2,483,819, Oct. 4.
Flashlight, Pocket. E. H. Phillips. 2,483,665, Oct. 4.
Flocking method and apparatus. B. T. Spence. 2,483,443, Oct. 4.
Focusing arrangement for electron discharge devices of the electron velocity modulation type. J. H. Fremlin. 2,483,407, Oct. 4.
Food product. H. M. Dux. 2,483,761, Oct. 4.
Fork, Ejector roasting. F. Kaminski. 2,483,546, Oct. 4.
Fountain pen nib. R. T. Wing. 2,483,603, Oct. 4.
Frame for looms, Harness. R. G. Turner. 2,483,857, Oct. 4.
Framework for typewriters. G. Presioso. 2,483,843, Oct. 4.
Frequency modulation system. G. T. Royden. 2,483,438, Oct. 4.
Froth flotation of iron ore, Cationic. F. D. De Vaney. 2,483,890, Oct. 4.
Fruit peeling device. W. Pauls. 2,483,930, Oct. 4.
Fuel controlling means, Liquid. R. J. Ifield. 2,483,907, Oct. 4.
Furnace: *See*—
  Hot-air furnace.
Furnace door and closure operator therefor. O. F. Ecklund. 2,483,968, Oct. 4.
Fuse. H. J. Nichols. 2,483,555, Oct. 4.
Game board for displaying three like elements in a row. A. Charest. 2,483,676, Oct. 4.
Gauge: *See*—
  Leather measuring gauge.
  Optical precision gauge.
  Pressure gauge.
  U-tube pressure gauge.
Gear: *See*—
  Change-speed gear.
Girdle applying device. E. W. Shaffer. 2,483,714, Oct. 4.
Glass fiber unit, Parallel. A. L. Simison. 2,484,003, Oct. 4.
Glue spreader and paper cutter. O. M. Bratrud. 2,483,750, Oct. 4.
Grading and separating apparatus, Fish. H. P. Smith. 2,483,507, Oct. 4.
Grass cutter and hedge trimmer. G. W. Holmes. 2,483,772, Oct. 4.
Grease composition. J. C. Zimmer and G. W. Duncan. 2,483,800, Oct. 4.
Growing a Rochelle salt crystal. B. R. F. Kjellgren. 2,483,647, Oct. 4.
Guard and clutch control, Fluid operated. A. A. Williams. 2,483,955, Oct. 4.
Guard, Rat. T. J. Bernhard. 2,483,874, Oct. 4.
Guide member for glass block construction, Bearing and spacing. J. E. Peterson. 2,483,560, Oct. 4.
Guide, Welding. B. W. Wright. 2,483,957, Oct. 4.
Gun with reciprocable breech block and rotary feeder. I. Nettles. 2,483,835, Oct. 4.
Gyro-control mechanism. W. H. Newell, J. D. Tear, and L. S. Brown. 2,483,980, Oct. 4.
Gyroscope. F. E. Gray. 2,483,826, Oct. 4.
Hair net. S. Oliner. 2,483,927, Oct. 4.
Hammer, Air tap. E. Daku. 2,483,626, Oct. 4.
Hand-operated loom. J. W. Jenkins. 2,483,642, Oct. 4.
Hanger suspension, Truck. W. Van Der Sluys. 2,483,858, Oct. 4.
Heat-treating apparatus. D. W. Riddell. 2,483,433, Oct. 4.
Heater: *See*—
  Room heater.
  Steam injection water heater.
  Ultra high frequency dielectric heater.
Heating assembly, Toast-marking electric. A. M. Reid. 2,483,669, Oct. 4.
Heating system for multiple-room vehicles. W. B. Dean and L. F. Reynolds. 2,483,[illegible]5, Oct. 4.
Heating system, House. G. W. Gay. 2,483,896, Oct. 4.
Helical brushes, Producing. V. F. Dale. 2,483,627, Oct. 4.
High chair. G. E. Froeh[illegible] 2,483,633, Oct. 4.
High-pressure and high-temperature test apparatus. P. W. Bridgman, S. S. Kistler, and W. M. Wheildon, Jr. 2,483,803, Oct. 4.
High-speed quenching. C. D. Flemming and G. S. Mapes. 2,483,725, Oct. 4.
High velocity fluid solids technique. F. T. Barr. 2,483,485, Oct. 4.
High-viscosity extreme pressure base by air-blowing, Preparation of. J. B. Stucker, E. T. Froncsak, and G. Wolfram. 2,483,600, Oct. 4.
Hinge, Cover lift. A. R. Turner. 2,483,947, Oct. 4.
Hob slide, Automatic. R. L. Cotta. 2,483,810, Oct. 4.
Holder: *See*—
  Abrasive sleeve holder.
  Adjustable duplex tip holder.
  Bag holder.
  Brush holder.
  Camera holder.
  Crystal holder.
  Spoon holder.
  Stair carpet holder.
  Ticket holder.
Holder of the wire for electric laundry irons. H. Maindal. 2,483,834, Oct. 4.
Honing machine, Bench type. W. F. Mitchell. 2,483,590, Oct. 4.
Honing tool. P. R. Gjertsen. 2,483,997, Oct. 4.
Hot-air furnace. R. W. De Lancey. 2,483,489, Oct. 4.
Housing, Coin mechanism. R. F. Broussard and L. D. Sollenberger. 2,483,805, Oct. 4.
Hub, Chart. G. E. Nicholson and J. B. McGay. 2,483,427, Oct. 4.
Hydraulic check. R. O. Balogh. 2,483,517, Oct. 4.
Hydraulic mechanism. P. C. Temple. 2,483,856, Oct. 4.
Hydraulic valve. A. L. Lee. 2,483,651, Oct. 4.
Hydrocarbon synthesis process catalyzed by oxidized and reduced iron. A. Voorhies, Jr., and J. J. Owen. 2,483,512, Oct. 4.
Hydrocarbons, Treatment of. P. M. Arnold. 2,483,869, Oct. 4.
Hydroxylating pot type burner. B. Hayter. 2,483,902, Oct. 4.
Identification system, Area. W. J. O'Brien. 2,483,558, Oct. 4.
Igniter for gas heaters. C. P. Price. 2,483,666, Oct. 4.
Ignition system. M. F. Peters. 2,483,428, Oct. 4.
Impact thermostatic switch. P. E. Willman. 2,483,685, Oct. 4.
Impeller for turboblowers, Bladed. K. Baumann. 2,483,610, Oct. 4.
Impregnating machine. C. W. Zies. 2,483,864, Oct. 4.
Indicator: *See*—
  Tapping tube and liquid level indicator.
  Thermostat adjustment indicator.
Indicator means, Radar. A. G. Richardson. 2,483,432, Oct. 4.
Indicator of fluid flow. A. Chaumerliac. 2,483,965, Oct. 4.

Induction heating head and arbor therefor. H. A. Strickland, Jr. 2,483,444, Oct. 4.
Inhibition of resin growth from diolefins. C. E. Morrell and R. F. Robey. 2,483,778, Oct. 4.
Injector. H. R. Lamborn. 2,483,911, Oct. 4.
Inspection of a solid part utilising supersonic transmission. F. A. Firestone. 2,483,821, Oct. 4.
Insulating material, Making calcareous-siliceous. R. Lewon and G. P. Lechich. 2,483,498, Oct. 4.
Insulation-testing apparatus. H. A. Lines. 2,483,915, Oct. 4.
Intermediate frequency unit. R. A. Becwar. 2,483,801, Oct. 4.
Internal grinding tool. S. R. Keller. 2,483,773, Oct. 4.
Interrupter, Circuit. H. H. Fahnoe. 2,483,577, Oct. 4.
Iron: *See*—
  Steam iron.
  Steaming and pressing iron.
Ironer. G. C. Watson. 2,483,682, Oct. 4.
Isoquinoline, Purification of. H. A. Kjellman, Jr. 2,483,420, Oct. 4.
Jellies, Making high sugar content. H. T. Leo, C. C. Taylor, and J. W. Lindsey. 2,483,550, Oct. 4.
Joint: *See*—
  Pipe joint.
  Rail joint.
Keying means, Electronic. T. J. George. 2,483,823, Oct. 4.
Kit, Shoe shining. O. H. Berman. 2,483,873, Oct. 4.
Kitchen appliance, Power driven palm grasped. M. H. Frisbie. 2,483,727, Oct. 4.
Kitchen machine, Turret-type domestic. P. Hubmann. 2,483,905, Oct. 4.
Knockdown utility cabinet. F. Albach and G. R. Chervenka. 2,483,606, Oct. 4.
Landing ramp, Seaplane. C. H. Pate. 2,483,474, Oct. 4.
Lawn mowing machine, Motor-power propelled. E. H. Lange. 2,483,777, Oct. 4.
Lead-in seals, Making. W. J. Scott. 2,483,940, Oct. 4.
Leather measuring gauge. H. E. Jacot. 2,483,639, Oct. 4.
Level gauge for liquids contained in tanks, Automatic. R. C. de Palacio. 2,483,532, Oct. 4.
Lifesaver. M. A. da Silva. 2,483,488, Oct. 4.
Lift control for rotary wings, Spanwise variable. E. A. Stalker. 2,483,480, Oct. 4.
Lifting device. A. H. Feibel. 2,483,894, Oct. 4.
Light: *See*—
  Dirigible light.
Limb, Artificial. H. Sartin. 2,483,506, Oct. 4.
Linear polyamides, Production of basic. S. J. Allen, J. G. N. Drewitt, and F. Bryans. 2,483,514, Oct. 4.
Linear polymers, Production of basic. S. J. Allen and J. G. N. Drewitt. 2,483,513, Oct. 4.
Loading machine. A. L. Lee. 2,483,650, Oct. 4.
Loom: *See*—
  Hand-operated loom.
Loom parts, Illuminating. J. C. Parker. 2,483,840, Oct. 4.
Lubricating composition, Antiring sticking. M. van Loon. 2,483,859, Oct. 4.
Lubricating oil, Compounded. D. T. Rogers and J. G. McNab. 2,483,505, Oct. 4.
Machine for application of sleeves to valve bags. E. W. Vredenburg. 2,483,860, Oct. 4.
Machine for assembling sheet material. E. E. Magee. 2,483,707, Oct. 4.
Machine for die-cutting paper. E. F. Noell. 2,483,735, Oct. 4.
Machine for fabricating radiator fins. T. B. Echols and R. V. Howell. 2,483,694, Oct. 4.
Machine tool. R. A. Schafer. 2,483,712, Oct. 4.
Magazine for cameras, Developing. M. T. Gannon. 2,483,391, Oct. 4.
Magazine receiver and barrel for toy guns, Combined. W. F. Buhl. 2,483,752, Oct. 4.
Magnetically operated switch. P. W. Zacek. 2,483,717, Oct. 4.
Magneto. J. R. Frei. 2,483,632, Oct. 4.
Magneto. R. M. Purdy. 2,483,667, Oct. 4.
Maleic acid liquor purification and isomerization to fumaric acid. G. E. N. de Végvár. 2,483,576, Oct. 4.
Marine propulsion. R. Nowak. 2,483,663, Oct. 4.
Marker, Skirt. H. A. Reich. 2,484,002, Oct. 4.
Marker with resilient walls, Pyramidal highway. H. E. Neal. 2,483,734, Oct. 4.
Measuring device, Ultra high frequency. W. E. Bradley. 2,483,802, Oct. 4.
Memo roll. R. Y. Bovee. 2,483,522, Oct. 4.
Meter: *See*—
  Radiation exposure meter.
  Vest pocket exposure meter.
Microwave acoustic gas analysis method and system. W. D. Hershberger. 2,483,829, Oct. 4.
Microwave device, Variable reactive. J. Evans. 2,483,818, Oct. 4.
Mixer and grinder. J. M. Boyle. 2,483,453, Oct. 4.
Moccasin uppers, Making. P. E. Medwed. 2,483,921, Oct. 4.
Modified carbamide resins, Production of. F. H. Snyder. 2,483,854, Oct. 4.
Moistening machine for wallpaper. J. O. Lee. 2,483,652, Oct. 4.
Moistureproof piezoelectric crystal and making same. F. Swinehart. 2,483,677, Oct. 4.
Monohydroxy dinitriles and esters thereof, and preparation of the same. C. W. Smith and S. A. Ballard. 2,483,853, Oct. 4.
Motor: *See*—
  Electromagnetic straight-line motor.
  Synchronous electric motor.
Motor construction, Electric. S. S. Brown. 2,483,524, Oct. 4.
Motor field frame and fabrication. G. G. Raymond. 2,484,001, Oct. 4.
Mount, Globe. L. H. Powell. 2,483,932, Oct. 4.
Mounting for baby carriage tops, Adjustable. S. Weiner and S. Goldblatt. 2,483,953, Oct. 4.
Mounting for rotary shafts. G. J. Mucher. 2,483,779, Oct. 4.
Mounting for steerable wheels, Adjustable. T. Brown and G. Ickes. 2,483,619, Oct. 4.
Mounting mechanism for dental lamps. E. H. Greppin. 2,483,699, Oct. 4.
Mower for use on hills. J. J. Ebenhoe. 2,483,762, Oct. 4.
Multiple compartment box. W. W. Holes. 2,483,588, Oct. 4.
Musical instrument. J. E. Bradley. 2,483,617, Oct. 4.
N-(beta-pyrrolidinoethyl)-phenothiasine. J. H. Hunter and W. B. Reid, Jr. 2,483,999, Oct. 4.
N-(pyrrolidylalkyl)-phenothiasines. J. H. Hunter and W. B. Reid, Jr. 2,483,998, Oct. 4.
Nail hole punch, Asbestos shingle. W. D. Westmoreland. 2,483,798, Oct. 4.
Needle threader, Sewing machine. C. U. Olson. 2,483,595, Oct. 4.
Nitrocellulose subbing composition for polyvinyl resin film supports. R. P. Easton. 2,483,966, Oct. 4.
Nitrophenyl acyl amido alkane diols. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Barts. 2,483,886, Oct. 4.
Nitrophenyl acylamido alkane diols, Making. H. M. Crooks, Jr., M. C. Rebstock, J. Controulis, and Q. R. Barts. 2,483,884, Oct. 4.
Nozzle, Liquid fuel. E. A. Watson. 2,483,951, Oct. 4.
Nursing bottle, Insulated. T. Bailey. 2,483,870, Oct. 4.
Nursing bottle warmer, Electric. L. H. Morrill. 2,483,979, Oct. 4.
Oil gauge wiper, Crankcase. E. U. and W. C. Gamble. 2,483,536, Oct. 4.
Optical apparatus utilising light of a wave length above a selected value. J. U. White. 2,483,746, Oct. 4.
Optical instrument and camera therefor, Electron. I. B. Bensen. 2,483,872, Oct. 4.
Optical precision gauge. C. J. Godfrey. 2,483,897, Oct. 4.
Organosiloxanes, Production of. A. J. Barry and E. E. Merrill. 2,483,963, Oct. 4.
Oscillator, Blocking. R. Proskauer. 2,483,481, Oct. 4.
Oven. T. van der Neut. 2,483,681, Oct. 4.
Oxygen valve. V. R. Bennett. 2,483,722, Oct. 4.
Packing for joints. E. H. Robertson. 2,483,845, Oct. 4.
Packing material, Egg. T. H. Alfreds. 2,483,607, Oct. 4.
Page separation signal and pulse generator. J. W. Smith and F. A. Hester. 2,483,442, Oct. 4.
Painting machine, Wall. B. L. Dean. 2,483,814, Oct. 4.
Parachute. J. J. Maggi. 2,483,423, Oct. 4.
Pectous jellies, Preparation of. H. T. Leo and C. C. Taylor. 2,483,549, Oct. 4.
Pectous jellies, Producing. H. T. Leo and C. C. Taylor. 2,483,548, Oct. 4.
Pen, Drafting. H. Frank. 2,483,764, Oct. 4.
Perforator, Lawn. T. J. and J. A. Roche. 2,483,846, Oct. 4.
Periodic rotary metering and distributing valve. R. W. Washington. 2,483,949, Oct. 4.
Permeable bodies, Method and apparatus for detecting. E. A. Johnson. 2,483,417, Oct. 4.
Pestle and mercury dispensing apparatus, Combined. F. F. Marschalk. 2,483,656, Oct. 4.
Phenyl thiosalicylate as a catalytic plasticiser for rubber. S. Searles, Jr. 2,483,984, Oct. 4.
Phosphatide composition, Fluid. H. Wittcoff. 2,483,748, Oct. 4.
Photometric apparatus. W. J. Boyer. 2,483,876, Oct. 4.
Pick mechanism for looms. J. M. Tuten. 2,483,987, Oct. 4.
Piezoelectric crystal element. H. Jaffe. 2,483,640–1, Oct. 4.
Pilot and burner control. A. C. Schickler. 2,483,930, Oct. 4.
Pipe joint. C. W. Nichols. 2,483,591, Oct. 4.
Pipe wrench and vise, Combined. E. Seaver. 2,483,713, Oct. 4.
Piston. C. G. A. Rosen and R. P. Van Zandt. 2,483,674, Oct. 4.
Plastic composition for coating wire. H. E. Smith. 2,483,441, Oct. 4.
Plug and jack connection, Electrical. B. Easton. 2,483,815, Oct. 4.
Plug cock valve. M. L. Bettcher. 2,483,518, Oct. 4.
Plug seal, Valve. G. T. Downey. 2,483,891, Oct. 4.
Plural silica-containing hydrogel catalysts, Preparation of. J. A. Pierce. 2,483,782, Oct. 4.
Polishing composition. T. G. Hawley, Jr., B. J. Kummer, and J. W. Barnes, Jr. 2,483,701, Oct. 4.

Polyesters. D. E. Floyd. 2,483,726, Oct. 4.
Polymerisation of vinyl halides in an aqueous dispersion. M. Baer. 2,483,960, Oct. 4.
Polytrimethylene and its production. J. T. Goodwin, Jr. 2,483,972, Oct. 4.
Positioner, Work. E. V. Cullen. 2,483,811, Oct. 4.
Potato vine cutter. L. Wells and L. C. Fry. 2,483,683, Oct. 4.
Pouring cap. T. M. Punchak. 2,483,784, Oct. 4.
Press: *See*—
Drill press. Single lay shirt press.
Pressure gauge. C. R. A. Grant. 2,483,635, Oct. 4.
Pressure head for laundry and other machines. E. J. Howlett. 2,483,461, Oct. 4.
Pressure reducing valve. G. Weiss. 2,483,954, Oct. 4.
Products recovered from forage crops, Water-soluble. W. R. Graham, Jr., G. O. Kohler, and E. E. Frye. 2,483,634, Oct. 4.
Propeller, Automatic. G. T. Lampton and D. W. Perin. 2,483,912, Oct. 4.
Propeller blades, Brazing. R. Richardson. 2,483,934, Oct. 4.
Protective arrangement, Low-voltage. D. F. Alexander. 2,483,515, Oct. 4.
Probe, Wide band. D. D. Grieg, A. M. Levine and L. Dubin. 2,483,410, Oct. 4.
Pulse operated system. B. M. Oliver. 2,483,594, Oct. 4.
Pulverizer, Soil. R. L. Hart. 2,483,767, Oct. 4.
Pump. E. J. Moulinier. 2,483,924, Oct. 4.
Quilting machine. J. R. Johnson. 2,483,466, Oct. 4.
Radiation exposure meter. E. O. Wollan, L. A. Pardue, and N. Goldstein. 2,483,991, Oct. 4.
Rail joint. W. Sjostrand. 2,483,942, Oct. 4.
Range, Gas. H. M. Reeves. 2,483,562, Oct. 4.
Range oil burner apparatus. J. S. Routen. 2,483,740, Oct. 4.
Reactance line, Adjustable. I. Karmin. 2,483,419, Oct. 4.
Reaction of organic substances with phosphorous sesquisulfide. E. W. Brennan and N. D. Williams. 2,483,571, Oct. 4.
Receptacle: *See*—
Drain cock receptacle.
Reclaiming a contaminated iron catalyst. M. A. Segura and D. R. McAdams. 2,483,850, Oct. 4.
Reconditioning backing members having powdered material facings. F. De Marinis. 2,483,996, Oct. 4.
Recording apparatus, Magnetic. L. B. Greenleaf. 2,483,729, Oct. 4.
Recording apparatus, Time. C. E. J. Nilson. 2,488,926, Oct. 4.
Recording process utilizing the magnetic field of a current conducted by the record member. W. A. Brastad and L. F. Borchardt. 2,483,398, Oct. 4.
Reel: *See*—
Fishline reel.
Refrigerating apparatus. S. M. Schweller. 2,483,439, Oct. 4.
Refrigeration system using two refrigerants, Two-temperature. L. A. Philipp. 2,483,842, Oct. 4.
Regulator: *See*—
Voltage regulator.
Relay circuit. N. Garber. 2,483,408, Oct. 4.
Relay, Polarized electromagnetic. C. F. Miller. 2,483,658, Oct. 4.
Remover for friction type jar caps. L. H. Campos. 2,483,456, Oct. 4.
Remover, Lever type jar cap. J. E. Hughes. 2,483,830, Oct. 4.
Repair plate, Truck tube. B. Goodman. 2,483,538, Oct. 4.
Repairing method, Watch. D. H. Hamel. 2,483,765, Oct. 4.
Resuscitator. M. H. Goodner. 2,483,698, Oct. 4.
Retaining means for toolheads. V. Iiavarone. 2,483,906, Oct. 4.
Ring-mute, Violin. I. Cleveland. 2,483,880, Oct. 4.
Roofing clip. W. Kroier. 2,483,776, Oct. 4.
Room heater. C. M. Osterheld. 2,483,664, Oct. 4.
Rotating atomising cup burner and igniting and burning fuel therein. A. M. I. Hoogendam. 2,483,975, Oct. 4.
Rotor for multistage turbines or similar machines. K. A. Bergstedt. 2,483,616, Oct. 4.
Rudder, Jet flow. G. G. Sheldon. 2,483,675, Oct. 4.
Safety attachment, Tie rod. J. E. Burnett. 2,483,621, Oct. 4.
Safety device, Pocket. J. Werber. 2,483,795, Oct. 4.
Saggar. C. Wentworth. 2,483,794, Oct. 4.
Sanding device. A. G. Nash. 2,483,554, Oct. 4.
Sanding device, Portable belt type. E. M. Asbury. 2,483,720, Oct. 4.
Sanding edger, Floor. W. P. Hilger. 2,483,904, Oct. 4.
Scaffold, Knockdown. D. I. Weiss. 2,483,862, Oct. 4.
Scale, Printing. L. S. Williams. 2,483,980, Oct. 4.
Scale, Weight. M. H. Hansen. 2,483,700, Oct. 4.
Screen: *See*—
Fireplace screen.
Screw closure, Sheet metal. S. A. Bennett. 2,483,964, Oct. 4.
Screw driver construction, Detachable bit. G. L. Rock. 2,483,563, Oct. 4.
Seal, Fluid. J. H. Victor. 2,483,938, Oct. 4.
Sealing device. C. Guller. 2,483,827, Oct. 4.
Sealing machine, Spout. P. E. Fischer and E. Ardell. 2,483,458, Oct. 4.
Seat: *See*—
Sportsman's swivel seat.
Self-laying track. C. F. Ball. 2,483,961, Oct. 4.
Septic tank. P. N. Sitton. 2,483,564, Oct. 4.
Shadow box. W. F. Vernon. 2,483,744, Oct. 4.
Shaft construction, Furnace. C. W. Nichols and J. Greenspan. 2,483,592, Oct. 4.
Shelf, Collapsible. V. C. Grasso and H. N. Snook. 2,483,899, Oct. 4.
Shift mechanism for lift truck forks, Side. J. A. Frischmann and R. J. Herman. 2,483,534, Oct. 4.
Shifter, Phase. L. A. de Rosa. 2,483,403, Oct. 4.
Shock absorber. R. C. Pierce. 2,483,429–30, Oct. 4.
Shoe for thermochemical desurfacing machines. I. P. Thompson and A. J. Miller. 2,483,483, Oct. 4.
Shoe with enlargeable opening, Baby's. J. Brust. 2,483,525, Oct. 4.
Shoulder pad support and brassière, Combined. S. L. Clark and M. Raphael. 2,483,809, Oct. 4.
Signal: *See*—
Animated signal.
Signal and directional light, Vehicle. B. J. Wisuri. 2,483,687, Oct. 4.
Signaling circuit. R. C. Mathes. 2,483,732, Oct. 4.
Silica gel which involves atomizing sodium silicate into acid, Preparing. J. R. Archer and G. Dunn. 2,483,868, Oct. 4.
Silver acetylide compound and making same. J. A. Shaw and E. Fisher. 2,483,440, Oct. 4.
Single lay shirt press. E. Davis and E. A. Winnewisser. 2,483,812, Oct. 4.
Sinusoidal spring forming machine. F. R. Zimmerman. 2,483,865, Oct. 4.
Skylights, Making. E. Schottland. 2,483,785, Oct. 4.
Sled, Tobacco. C. S. Hill. 2,483,582, Oct. 4.
Slicing board with parallel knife guides. G. L. Edwards. 2,483,763, Oct. 4.
Slide fastener top stop. R. C. Legat. 2,483,703, Oct. 4.
Slide, Seat. W. R. Lustig. 2,483,653, Oct. 4.
Sludge and refuse disposal. W. S. Martin. 2,483,918, Oct. 4.
Snap hook for clothes hangers, Safety interlocking. A. Brill and W. Kneissler. 2,483,618, Oct. 4.
Socket, Swivel rope. F. J. Spang. 2,483,944, Oct. 4.
Speed control of motors, Automatic. G. W. Switzer. 2,483,678, Oct. 4.
Speed transmission for airplane superchargers, Variable. L. E. La Brie. 2,483,977, Oct. 4.
Splicing device, Inner tube. H. H. Vickers. 2,483,511, Oct. 4.
Spool, Ribbon. C. A. Christoff. 2,483,528, Oct. 4.
Spoon holder. H. E. Butler. 2,483,724, Oct. 4.
Sportsman's swivel seat. W. C. Lincoln. 2,483,552, Oct. 4.
Spraying devices, Testing. W. R. Hawthorne and J. R. Joyce. 2,483,637, Oct. 4.
Spring clip for adjusting wrench screws. A. M. Maselter. 2,483,917, Oct. 4.
Squeezer for tea bags. A. F. Sonn. 2,483,985, Oct. 4.
Stabilized heat polymerizable compositions of N-vinyl pyrrole compounds. C. E. Barnes. 2,483,962, Oct. 4.
Stair carpet holder. F. L. Davis. 2,483,813, Oct. 4.
Steam injection water heater. M. C. Moore. 2,483,426, Oct. 4.
Steam iron. W. G. Green. 2,483,579, Oct. 4.
Steam iron construction, Flash type. R. H. Edwards. 2,483,816 Oct. 4.
Steaming and pressing iron. W. G. Green and H. E. Galloway. 2,483,580, Oct. 4.
Steering means for tractors, Drive-correlating. L. K. Spitzer. 2,483,599, Oct. 4.
Stiffener for shoes, Counter. C. J. Blake. 2,483,520, Oct. 4.
Stoker control system, including delayed air feed. P. B. Sagar. 2,483,847, Oct. 4.
Stop device for knitting machines. J. H. Hoag. 2,483,541, Oct. 4.
Storage box. R. F. Davis. 2,483,629, Oct. 4.
Strip for trouser cuffs, Protecting. W. G. Wayworth. 2,483,952, Oct. 4.
Substituted ammonium thiocyanates, Preparing. W. H. Hill. 2,483,415, Oct. 4.
Substituted ethylenes and making same. J. Meyer and F. Ackermann. 2,483,392, Oct. 4.
Sulfurization of reaction product of phosphorous pentasulfide and unsaturated acyclic ketone. F. P. Otto and R. E. Meyer. 2,483,736, Oct. 4.
Superheterodyne receiver with automatic frequency control. F. A. de Groot. 2,483,889, Oct. 4.
Supplemental forging press die. C. E. Schogren. 2,483,597, Oct. 4.
Support: *See*—
Automatic propeller blade Yarn package support.
support.
Surface hardening of ferrous metal articles. A. B. Shorter. 2,483,477, Oct. 4.
Suspending device, Small game. C. J. Fashing. 2,483,631, Oct. 4.
Suspension for motor vehicles, Wheel. H. A. Hicks and C. C. Jackson. 2,483,974, Oct. 4.

Switch: *See*—
Electric switch. Magnetically operated switch.
Electronic switch.
Impact thermostatic switch. Thermostatic switch.
Synchronizing system for telegraphy. E. R. Shenk. 2,483,786, Oct. 4.
Synchronous electric motor. J. M. Hush. 2,483,543, Oct. 4.
Synchronous motor. W. L. Hansen and J. M. Hush. 2,483,539, Oct. 4.
Synchronous motor. S. Saretsky. 2,483,848, Oct. 4.
Synthesizing system, Pulse. D. D. Grieg. 2,483,411, Oct. 4.
Synthetic resin and printing ink composition containing the same. W. D. Jones. 2,483,468, Oct. 4.
Syringe. C. V. Smith. 2,483,851, Oct. 4.
Syringe and ampoule combination and ampoule. S. D. Goldberg. 2,483,825, Oct. 4.
Syringe, Fountain. R. F. Hardesty. 2,483,636, Oct. 4.
System of finishing plastic sheets. I. L. Lesavoy. 2,483,584, Oct. 4.
Tall oil acid composition. E. A. Van Valkenburgh. 2,483,797, Oct. 4.
Tank: *See*—
Septic tank.
Tank adapted for oil dilution and deaeration, Oil. W. Weitzen. 2,483,448, Oct. 4.
Tapping tube and liquid level indicator. T. R. Eberwine. 2,483,967, Oct. 4.
Target, Antiaircraft. L. S. Cotten. 2,483,402, Oct. 4.
Teleprinter. A. E. Thompson and R. D. Salmon. 2,483,446, Oct. 4.
Telescoping structure. G. O. Benson. 2,483,395–6, Oct. 4.
Tent, Automobile. L. R. Smelker. 2,483,478, Oct. 4.
Terminals for electrical conductors, Soldering. R. Martines. 2,483,424, Oct. 4.
Tester, Hardness. W. F. Klemm. 2,483,495, Oct. 4.
Textile materials and making same. E. E. Weiss. 2,483,861, Oct. 4.
Thermoplastic sewing thread, Making. W. M. Camp. 2,483,455, Oct. 4.
Thermostat adjustment indicator. W. E. Jenkins and T. H. Thiele. 2,483,731, Oct. 4.
Thermostatic switch. P. Andrews. 2,483,484, Oct. 4.
Thermostatic switch. F. Reingruber. 2,483,670, Oct. 4.
Thickener system, Washing. C. H. Knight. 2,483,648, Oct. 4.
Thioethers and obtaining the same. G. Rieveschl, Jr. 2,483,436, Oct. 4.
Ticket holder. M. J. Mateo, Jr. 2,483,553, Oct. 4.
Tightener, Clothesline. T. M. Day. 2,483,692, Oct. 4.
Timing apparatus, Music. R. D. Bergey. 2,483,570, Oct. 4.
Tobacco composition. J. Kamlet. 2,483,418, Oct. 4.
Tool: *See*—
Dimpling tool. Internal grinding tool.
Honing tool. Machine tool.
Tool spindle, Machine. J. B. Armitage and H. L. Heywood. 2,483,451, Oct. 4.
Toothbrush. J. E. Pollack. 2,483,503, Oct. 4.
Torch, Gas. J. L. Anderson. 2,483,719, Oct. 4.
Torch, Lighting. F. R. Rizer. 2,483,437, Oct. 4.
Torch tip. O. Thurman, Jr. 2,483,742, Oct. 4.
Toy blocks. J. Levin. 2,483,833, Oct. 4.
Toy kite. F. J. Benson. 2,483,614, Oct. 4.
Trailer, Four-wheel. C. Williams. 2,483,684, Oct. 4.
Trailer hitch. E. W. Vars. 2,483,567, Oct. 4.
Transfer car. W. E. Ebinger. 2,483,817, Oct. 4.
Transfer mechanism for tabulators and the like, Data. E. E. Libman. 2,483,551, Oct. 4.
Transmission mechanism, Power. E. A. Watson and F. T. Shaw. 2,483,950, Oct. 4.
Transmission system, Facsimile. R. J. Wise, G. H. Ridings, and R. D. Parrott. 2,483,449, Oct. 4.
Transmission system, Phase selective signal. C. B. Aiken. 2,483,718, Oct. 4.
Transmitter system. D. Talley. 2,483,445, Oct. 4.
Trap: *See*—
Animal trap.
Tray type oil burner. H. C. Little. 2,483,978, Oct. 4.
Tread tractor and drive transmission thereof, Endless. G. Passelégue. 2,483,473, Oct. 4.
Treating tower containing solid contact material. T. M. Underwood. 2,483,948, Oct. 4.
Treatment of spinnerets to minimize contamination thereof. J. J. Polak. 2,483,788, Oct. 4.
Truck tire and wheel dolly, Heavy. G. H. Jackson. 2,483,908, Oct. 4.
Tube: *See*—
Cathode-ray tube.
Tunable unit for high-frequency circuit. F. C. Everett. 2,483,893, Oct. 4.
Tuning arrangement for thermionic valve circuits. W. A. Gold. 2,483,409, Oct. 4.
Turbine for internal-combustion engines, Exhaust. E. C. Magdeburger. 2,483,654, Oct. 4.
Turning device for jar tops. E. J. Drew. 2,483,759, Oct. 4.
2-bensyl-4-alkoxymethylene-5(4)-oxazolone hydrohalide and making same. R. L. Clark. 2,483,529, Oct. 4.
Two-stage azeotropic distillation of nonaromatic hydrocarbons from toluene. R. Cubicciotti. 2,483,625, Oct. 4.
Two-stage process for the synthesis of hydrocarbons. C. H. Holder. 2,483,771, Oct. 4.
U-tube pressure gauge. A. L. Lawson. 2,483,914, Oct. 4.
Ultra high frequency dielectric heater. H. E. Revercomb and P. W. Morse. 2,483,933, Oct. 4.
Undergrate air admission means for lateral feed solid fuel stokers. R. D. Touton. 2,483,946, Oct. 4.
Valve: *See*—
Hydraulic valve. Plug cock valve.
Oxygen valve. Pressure reducing valve.
Periodic rotary metering and distributing valve.
Valve. E. E. Cater. 2,483,572, Oct. 4.
Valve. F. Hinrichs. 2,483,581, Oct. 4.
Vanillic acid, Preparing. I. A. Pearl. 2,483,559, Oct. 4.
Vaporizer, Degreasing. R. F. Becker. 2,483,993, Oct. 4.
Vaporizer, Oil. J. Rosenblum. 2,483,937, Oct. 4.
Vehicles and the like, Heating. C. H. Becker. 2,483,721, Oct. 4.
Venetian blind bracket. M. Royer. 2,483,475, Oct. 4.
Ventilator, Built-in. J. B. Koch. 2,483,547, Oct. 4.
Vertical type internal outlet header for catalyst chambers. A. E. Morrey, Jr. 2,483,923, Oct. 4.
Vest pocket exposure meter. A. G. Stimson. 2,483,945, Oct. 4.
Vinyl chloride polymer compositions containing maleic-vinyl acetate heteropolymers and compounds of lead, calcium, or barium. M. Baer. 2,483,959, Oct. 4.
Violin bow. L. S. Brown. 2,483,486, Oct. 4.
Volatilizable metal halides from adsorbents, Separation of. S. C. Carney. 2,483,487, Oct. 4.
Voltage regulator. M. S. Corrington. 2,483,755, Oct. 4.
Wading pool, Portable outdoor. P. K. Smith and M. Nappe. 2,483,789, Oct. 4.
Washing machine, Collapsible sectional and portable. A. Slutsky. 2,483,676, Oct. 4.
Water treating apparatus. M. P. Robinson. 2,483,672, Oct. 4.
Wave translator, Microwave-acoustic. W. D. Hershberger. 2,483,768, Oct. 4.
Welding finned tubes, Resistance. J. W. Brown, Jr. 2,483,454, Oct. 4.
Welding system, Condenser. J. W. Dawson. 2,483,691, Oct. 4.
Welding torch attachment. E. C. Johnson. 2,483,545, Oct. 4.
Wheel: *See*—
Buffing wheel.
Wheel for motor vehicles or the like, Auxiliary. E. Craig. 2,483,574, Oct. 4.
Yarn package support. J. S. Dix. 2,483,490, Oct. 4.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 4, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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268: 2,483,909
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4— 148: 2,483,780
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1940

October 11, 1949 Volume 627 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Patents expiring: Patent Numbers 1,881,421 to 1,882,653, inclusive, and Plant Patents, Numbers 31 to 34, inclusive, issued October 11, 1932, expire October 11, 1949

Condition of Applications Under Examination at Close of Business Sept. 23, 1949

Total number of patent applications awaiting action, 145,577. Date of oldest new application, November 28, 1947; date of oldest amended application, June 9, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	10-20-48	1-2-48	2835
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	6-28-48	8-23-47	2612
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-17-49	3-18-49	845
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	1-26-48	9-12-47	2098
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	12-31-48	3-2-48	1352
6. SURLE, H., Carbon Chemistry (part)	12-21-48	10-7-48	1677
7. HANLIN, GEORGE, Optics; Photographic Apparatus	1-17-49	9-25-48	1288
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-13-48	10-10-47	3002
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-22-48	1-3-48	2190
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-14-48	9-21-48	1361
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	10-8-48	2-20-48	2086
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	10-22-48	1-26-48	1814
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-20-47	12-17-47	1894
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	11-29-48	8-26-48	1239
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-1-48	6-3-48	1784
16. LOVEWELL, N. N., Television; Telephony	12-24-48	8-27-48	1361
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-12-48	7-12-47	2342
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	7-27-48	2-11-48	2448
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-10-48	5-11-48	1581
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	9-11-48	2-11-48	2059
21. MADER, R. G., Textiles	7-23-48	7-15-48	1387
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	1-3-48	11-17-47	1581
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-6-49	6-7-48	1061
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	10-7-48	10-15-48	2356
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-29-48	4-16-48	1687
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	12-28-48	8-27-48	1106
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	5-6-48	10-9-47	3213
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-8-48	4-10-48	1903
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-24-48	1-14-48	3221
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	12-28-48	12-15-48	1695
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-4-49	1-5-49	2140
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-17-48	6-9-48	1715
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	3-24-48	1-27-48	4010
34. SAPERSTEIN, A., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	9-4-48	5-15-48	1180
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	6-14-48	6-9-47	3634
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-26-48	10-13-47	2001
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-10-48	6-15-48	1219
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	11-27-48	8-26-48	1634
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	10-13-48	9-19-47	3081
40. DRUMMOND, E. J., Receptacles (part); Packages	11-15-48	2-26-48	2366
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-4-48	9-8-47	2241
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	2-9-49	2-3-49	946
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	10-13-48	1191
44. HARVEY, L. P., Beds; Chairs, Seats	1-26-48	10-11-47	2246
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	12-11-48	2-10-48	2515
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	6-15-48	3-10-48	1643

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 145,577. Date of oldest new application, November 28, 1947; date of oldest amended application, June 9, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	12-7-48	5-12-48	2052
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-24-48	5-27-48	1381
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-11-48	2208
50. LEVIN, SAMUEL, Synthetic Resins	1-24-49	12-10-48	1748
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	12-28-48	10-1-48	1550
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-18-48	12-30-47	3657
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-30-48	3-24-48	1875
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-23-48	8-5-48	1320
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	12-20-48	7-19-48	1623
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	12-28-48	10-5-48	1987
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	7-29-48	8-13-47	2147
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-14-48	2-4-48	1789
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	12-26-48	9-18-48	1284
60. LEVY, M. L., (Acting), Electricty—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-7-48	8-16-48	902
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-28-47	7-2-47	2643
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-24-48	12-2-47	2702
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	12-8-48	8-16-48	2218
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-2-49	2-25-49	1653
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	11-27-48	5-10-48	2266
66. LISANN, I., Geometrical Instruments	9-10-48	7-11-47	1828
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	12-23-48	6-23-48	1841
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	2-2-49	11-16-48	1382
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	12-24-48	9-12-47	2221
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	12-14-48	5-4-48	1733
DEMONS: BREHM, G. L.	2-10-48	1-13-49	6731

Total number of trade-mark applications awaiting action (including renewals and republications), 28,270. Date of oldest new application, June 28, 1948; date of oldest amended application, July 29, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	8-17-48	2-3-49	4801
2. KASCHUB, H. E., Class 46	9-10-48	7-20-48	3068
3. SUMMERS, G. S., Classes 21, 23, 26	6-28-48	2-3-49	3526
4. BARR, B., Classes 8, 7, 39, 40, 41, 42, 43	7-20-48	9-17-48	4379
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	7-8-48	10-25-48	3699
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	9-23-48	12-1-48	3827
7. KEYS, C. M., Classes 2, 16, 19, 36, 55	10-20-48	8-27-48	2898
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	6-30-49	8-1-49	515
	6-29-49	7-25-49	665

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals
District of Columbia Circuit

SMITH *v.* KINGSLAND, COMMISSIONER OF PATENTS

[— F.2d —; 82 USPQ 353]

No. 9660. Decided September 6, 1949

1. CLAIMS—CONSTRUCTION—EXPRESS LIMITATION.

As Smith claimed for the invention covered by Patent 2,051,348 the positive use of the screen, *Held* that patent covered the device with the screen included, for the claims made control the scope of an invention for which a patent is granted.

2. SAME—SAME—READ IN LIGHT OF SPECIFICATION.

Held that claims must be read in the light of the specification, not to enlarge them, but to ascertain their meaning and the intention of the patentee with respect to them.

3. SAME—SAME—SAME.

Since Smith's specification in his application for Patent 2,051,348 described his invention without a screen, and then added he might desire to use one, *Held* that claim 2 of the granted patent, although it claimed the screen, covered the drying device, either with or without one.

4. PATENTABILITY—DOUBLE PATENTING—OMITTING ELEMENT.

Where the only difference between the application here and claim 2 of appellant's patent is that in the latter provision was made for a screen located over the burner housing or baffle, while in the application that screen is omitted, but it appears that appellant did not regard the screen as an essential element in his patent and that he claimed invention whether or not the screen was used, *Held* that the claims were properly rejected because they were anticipated in the specification of the patent.

5. PATENTABILITY — INVENTION — CHANGE MERELY MECHANICAL.

It is well settled that an improvement which is merely mechanical in nature does not amount to invention.

6. SUIT UNDER R. S. 4915—INVENTION—WEIGHT GIVEN DECISION BELOW.

While the interpretation of claims is said to be a question of law for the courts, *Held* that the determination of both the Patent Office and the district court that the claims, as interpreted, do not show an invention will not be overturned unless "clearly wrong."

7. SAME—SAME—SAME.

Since the question of invention is of a technical nature which the Patent Office is well equipped to decide, *Held* its conclusion as to patentability should not be disturbed if there is a "rational basis" for the decision.

8. PATENTABILITY—DOUBLE PATENTING—OMITTING ELEMENT.

Where the claims at bar differ from the patent claim only in the omission of an element definitely said by the patentee to be non-essential to the proper functioning of his invention, *Held* that the general rule that two patents cannot be granted for the same invention is applicable, since that would be the result of granting appellant's application at bar.

9. SAME—SAME—GENUS AND SPECIES.

Where appellant argues that "an inventor who presents two separate modifications of his invention in two separate co-pending applications may present claims of a scope to be generic to both modifications in either the first or the second patent to issue," *Held* "no patent can issue for an invention actually covered by a former patent, especially to the same patentee, although the terms of the claims may differ; that the second patent, although containing a broader claim, more generical in its character than the specific claims contained in the prior patent, is also void."

10. SAME—SAME—SAME—PROCESS AND APPARATUS.

Where appellant suggests that the defense of double patenting should not defeat the method claim in the present application, since "there can be no double patenting of a method claim unless the earlier granted patent contains a similar method claim," *Held* that since the claims of his earlier application disclosed all that was inventive in character and he received a patent therefor, he is not entitled to a patent in the present case.

11. SAME—PARTICULAR SUBJECT MATTER—DRYING HOUSE AND METHOD FOR CURING TOBACCO.

Held that the Patent Office finding that certain claims for a drying house and method for curing tobacco lacked invention was a reasonable one, and that the district court was therefore right in dismissing the complaint.

APPEAL from the District Court of the United States for the District of Columbia (now the United States District Court for the District of Columbia).

AFFIRMED.

W. B. Morton (*Clarence M. Fisher* of counsel) for Smith.

W. W. Cochran (*Joseph Schimmel* of counsel) for the Commissioner of Patents.

Before STEPHENS, C. J., and WILBUR K. MILLER and PROCTOR, JJ.

WILBUR K. MILLER, *J.*:

Forrest H. Smith appeals from a judgment of the United States District Court for the District of Columbia which refused relief in his suit to obtain

Vol. 627 • No. 2 Tuesday, October 11, 1949 Price $17.50 per year

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a patent, brought under § 4915 of the Revised Statutes, 35 U. S. C. A. § 63. The district court held that "The claims at bar are for the same invention as claim 2 of plaintiff's Patent 2,051,348, and are unpatentable in the application at bar, because to allow said claims would result in double patenting." Patent No. 2,051,348 was issued to Smith in 1936 pursuant to an application made in 1930.

Smith's application, which was denied by the Patent Office and the district court, is for an improvement in a drying house apparatus and method for curing tobacco. Appellant's three rejected claims, two of which are in apparatus form and one in method form, are as follows:

"1. In a drying house for curing tobacco, means for maintaining said house throughout substantially its entire interior at a temperature to cure bright tobacco supported therein, said means comprising a plurality of small separate low-intensity oil-burning heaters arranged about the floor of said house in a manner to provide a substantially uniform temperature throughout the cross sectional area of said house, deflecting baffles overlying said heaters and arranged to deflect the products of combustion laterally into the spaces surrounding said heaters, means for supplying fuel to said heaters, and means for independently regulating the rate of combustion of said separate heaters.

"2. The method of curing tobacco in a drying house which consists in burning at a plurality of locations throughout the floor of the house a liquid fuel to thereby generate a number of columns of heated products of combustion, directing said products of combustion laterally into the spaces surrounding said locations in such manner as to produce a mixture of said products of combustion with the air of the drying house, which mixture is of substantially uniform temperature throughout the cross sectional area of said house, said individual heaters being provided in sufficient number to heat substantially the entire interior of said house to a temperature sufficient to cure bright tobacco, but at no point above the mixing zone high enough to injure said tobacco.

"3. In a drying house for curing bright tobacco, a plurality of small separate low-intensity oil-burning heaters arranged about the floor of said house in a manner to provide a substantially uniform temperature throughout the cross sectional area of said house, each said heater comprising a plurality of burners and deflecting baffles overlying said burners and arranged to deflect the products of combustion laterally into the spaces surrounding said heaters, means outside said house for supplying fuel to said heaters, connections between said heaters, and means for independently regulating the rate of combustion of said separate heaters."

Claim 2 of appellant's prior patent, which the district court held to be for the same invention as that for which the three claims of the present application were made, is as follows:

"2. The combination with a drying house including side walls and end walls, of a plurality of spaced independent fuel burning heating units located within the house and arranged in series extending substantially around and adjacent the walls thereof, means located above the units for supporting articles to be dried, spaced baffle means interposed between the units and the articles, and a screen interposed between the baffle means and the articles."

When this case was argued orally before us, counsel for appellant conceded the purpose of the present application to be merely to eliminate a non-essential element of the Patent No. 2,051,348. In claim 2 of that patent, it will be observed that Smith claimed in part "The combination with a drying house . . . of a plurality of spaced independent fuel burning heating units . . . , spaced baffle means interposed between the units and the articles [to be dried], and a screen interposed between the baffle means and the articles." Of the present application, appellant says in his brief, "The essential elements of the invention are a plurality of low intensity oil burners arranged in groups of three or more and distributed about the floor of the tobacco barn underneath the hanging tobacco to supply the heated gases for curing the tobacco."

The only difference between the application here and claim 2 of the appellant's 1936 patent is that in the latter provision was made for a screen located over the burner housing or baffle, while in the application now being considered that screen is omitted. It should be noted also that in describing his invention in Patent No. 2,051,348, the appellant said, "In practice, I may desire to support a relatively long and narrow screen 31 above each of the several series of burners, the screen being supported by the walls of the house." His use of the expression "I may desire" indicates that he did not regard the screen as an essential element in his 1936 patent, and that he claimed invention whether or not the screen was used.

The sole question presented by the record is whether the omission of the screen constituted invention so as to entitle Smith to a new patent on his curing device.

[1] As Smith claimed for the invention covered by Patent No. 2,051,348 the positive use of the screen, undoubtedly that patent covered the device with the screen included, for the claims made control the scope of an invention for which a patent is granted. *Universal Oil Products Co.* v. *Globe Oil & Refining Co.*, 322 U. S. 471 (1944), 567 O. G. 3; *Milcor Steel Co.* v. *Fuller Co.*, 316 U. S. 143 (1942), 539 O. G. 959; *Montgomery Ward & Co.* v. *Coe*, 78 U. S. App. D. C. 224, 139 F.2d 17 (1943), 557 O. G. 584.

[2] It is also true that claims must be read in the light of the specification, not to enlarge them, but to ascertain their meaning and the intention of the patentee with respect to them. *Schriber-Schroth Co.* v. *Cleveland Trust Co.*, 311 U. S. 211 (1940), 525 O. G. 3; *American Fruit Growers, Incorporated* v. *Brogdex Co.*, 283 U. S. 1 (1931), 404 O. G. 1043; *Hawkinson Co.* v. *Wilcoxen*, 149 F.2d 471 (C. C. A. 6th 1945). [3] Since Smith's specification in his application for Patent No. 2,051,348 described his invention without a screen, and then added he might desire to use one, we must conclude that claim 2 of the granted patent, although it claimed the screen, covered the drying device, either with or without one. In *Emery Industries, Inc.* v. *Schumann*, 111 F.2d 209 (C. C. A. 7th 1940), the court said the specification should always be read as a background to the claims.

Under these principles, we hold that in the specification of Patent No. 2,051,348, Smith envisaged the use of his apparatus without the screen. In saying he "may desire" to use it, he indicated the possibility of not doing so, thus implying the screen was not essential to the functioning of his device. He ascribed no specific function to it. It follows that Patent No. 2,051,348 covers the drying apparatus without the screen, as well as with it.

[4] But if that were not so, i. e., if Smith's prior patent should not be construed as covering the device without the screen, it is our opinion that his new claims were properly rejected because they were anticipated in the specification of the patent granted in 1936. Claims of a patent do not control when the question is whether the use claimed in a subsequent application had been anticipated by the prior patentee; in that situation the specification of the prior patent may be inspected to determine whether that patent "anticipated" the use claimed by the new application,[1] to the extent that one skilled in the art could have produced the thing claimed as invention by the new applicant, merely by looking at the specification on record in the Patent Office. Smith pointed out, as has been said, that the screen was not essential to the functioning of his tobacco curing process, so that there is no invention in his present claim of the same device without the screen. *Miller* v. *Eagle Manufacturing Co.*, 151 U. S. 186 (1894), 66 O. G. 845. That use was anticipated in his prior patent.

[5] It is well settled that an improvement which is merely mechanical in nature does not amount to invention. To be inventive, it is said "the improvement must be 'more than might have been expected of one reasonably skilled in the art.'" *General Tire & Rubber Co.* v. *Fisk Rubber Corp.*, 104 F.2d 740, 743 (C. C. A. 6th 1939). There are, of course, a great many cases on this mechanical question, some holding that the improvement was merely mechanical and therefore unpatentable, the others holding that there was invention. Each such case must be decided upon its own facts; and the customary rule that the court, upon appeal, will not make an independent determination of its own as to whether or not the improvement is patentable, but will only reverse if there is clear error,[2] seems applicable. [6] While the interpretation of claims is said to be a question of law for the courts,[3] the determination of both the Patent Office and the district court,[4] that the claims, as interpreted, do not show an invention will not be overturned unless "clearly wrong."[5] [7] This question being of a technical nature which the Patent Office is well equipped to decide, its conclusion as to patentability should not be disturbed if there is a "rational basis" for the decision. *Rodike Patents Corp* v. *Coe*, 74 App. D. C. 251, 122 F.2d 987 (1941), 535 O. G. 3.

" . . . patentable novelty or invention calls for something more than the skill of the mechanic." *Chicago Steel Foundry Co.* v. *Burnside Steel Foundry Co.*, 132 F.2d 812, 815 (C. C. A. 7th 1943). One need not be skilled to realize that appellant's process might be effective without the screen. In *Moon* v. *Burton-Dixon Corp.*, 147 F.2d 19, 21, the Court of Appeals for the Seventh Circuit said:

"Novelty is negatived by a full description, in the specification of a prior public patent, of the subject covered by an American patent, even though that subject was not covered by any of the claims of the prior patent. Walker on Patents, Deller's Ed., vol. 1, p. 275; *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390 . . . ; *Minerals Separation North American Corp.* v. *Magma Copper Co.*, 280 U. S. 400, . . ."

[8] Aside from the question of anticipation, we think this case is controlled by *Miller* v. *Eagle Manufacturing Co.*, supra, which has never been overruled, modified, or even questioned except by a text-writer, one Stringham, and by *Richards* v. *Chase Elevator Co.*, infra. The Miller case, it is true, was a suit for infringement and dealt with the question of securing two patents for the same invention by claiming different functions or objects in separate (divisional) applications, while the case at bar is concerned with the omission of an element contained in the prior patented invention (which is the Richards case). However, the Miller case stands for the general rule, applicable here, that two patents cannot be granted for the same invention, which would be the result of granting appellant's application at bar if removal of the screen causes no substantial or distinct change.

Said the Supreme Court in the Miller case:

" . . . 'It is hardly necessary to remark that a patentee could not include in a subsequent patent any invention embraced or *described* in a prior one, granted to himself, any more than he could an invention embraced or described in a prior patent granted to a third person . . . ' When a patentee anticipates himself, he cannot, in the nature of things, give validity to the second patent. (151 U. S. at 197.)

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"The result of the foregoing and other authorities is that no patent can issue for an invention actually covered by a former patent, *especially to the same patentee, although the terms of the claims may differ*; that the second patent, although containing a broader claim, more generical in its character, than the specific claims contained in the prior patent, is also void; but that where the second patent covers matter described in the prior patent, essentially distinct and separable from the invention covered thereby and claims made thereunder, its validity may be sustained. [Emphasis supplied.]

"In the last class of cases *it must distinctly appear that the invention covered by the later patent was a separate invention, distinctly different and independent from that covered by the first patent; in other words, it must be something substantially different from that comprehended in the first patent. It must consist in something more than a mere distinction of the breadth or scope of the claims of each patent.* If the case comes within the first or second of the above classes, the second patent is absolutely void." [Emphasis supplied. 151 U. S. at 198–9.]

And, finally, to the contention that the second was a separate and distinct invention over the first, the Court used the following language which is applicable here:

" . . . The first patent clearly includes the second . . . The matter sought to be covered by the second patent is inseparably involved in the matter embraced in the former patent, and this . . . renders the second patent void.

" . . . It certainly did not involve patentable novelty to drop or omit from the patent a claim for the depressing action of the spring arrangement which might be effected by any mere mechanical contrivance.

"This view of the case is sustained by the statement in the specification forming a part of the patent of 1881, . . .

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"To hold under these circumstances that the first and second patents . . . present distinct inventions, or that both are valid for the same invention, would involve the drawing of distinctions too refined for the practical administration of the patent law." (151 U. S. at 200–202.)

As has already been pointed out, the present case is concerned with the mere omission of an element which was definitely said by the patentee to be non-

[1] *Electric Storage Battery Co.* v. *Shimadzu*, 307 U. S. 5 (1939), 564 O. G. 4; *Minerals Separation North American Corp.* v. *Magma Copper Co.*, 280 U. S. 400 (1930), 392 O. G. 491; *Sweet* v. *General Motors Corp.*, 132 F.2d 371 (C. C. A. 6th 1942).

[2] *Sharp* v. *Coe*, 75 U. S. App. D. C. 118, 125 F.2d 185 (1941); *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.2d 449 (1939).

[3] *Minnesota Mining & Mfg. Co.* v. *Carborundum Co.*, 155 F.2d 746 (C. C. A. 3rd 1946); *Solomon* v. *Ronstrom*, 150 F.2d 805 (C. C. A. 8th 1945).

[4] "The presumption that the Patent Office is right is reenforced, in the present case, by the presumption that the trial court is right." *Abbott* v. *Coe*, 71 App. D. C. at 197, 109 F.2d at 451.

[5] *Ballard Co.* v. *Coe*, 79 U. S. App. D. C. 369, 147 F.2d 568 (1945).

essential to the proper functioning of his invention. The Supreme Court dealt with such a situation in *Richards* v. *Chase Elevator Co.*, 159 U. S. 477 (1895), 73 O. G. 1710, saying, at pp. 485–487:

"There is certainly no novelty in the result . . . Is there any novelty in the method by which this is done? . . . There is clearly no novelty in the individual steps of this transfer. Indeed, the failure to claim either one of the elements separately raises a presumption that no one of them is novel.

"The novelty, then, must be in the combination, which differs from the combination of an ordinary [grain] elevator only in the omission of the storage feature, by which grain is housed in transit, and its identity lost. While the omission of an element in a combination *may* constitute invention, if the result of the new combination be the same as before; yet if the omission of an element is attended by a corresponding omission of the function performed by that element, there is no invention, *if the elements retained perform the same* function as before . . . If, for instance, another person should take out a patent for this same combination, with the weighing hopper omitted, such patent would clearly be void, unless another method of weighing were substituted . . . After all, the invention resolves itself into the omission of the storage feature and a necessary incident thereto.

"To make a combination of old elements patentable, there must be some new result accomplished, and as the result in this case is a mere aggregation of the several functions of the different elements of the combination, each performing its old function in the old way, we see nothing upon which a claim to invention can be based. The device is undoubtedly a convenient one, and appears to have proven profitable to the patentee, but . . . it lacks the necessary quality of invention." [Emphasis supplied.]

In the case at bar, no specific function was given in Patent No. 2,051,348 to the screen in either the specification or the claim, although it is obvious that its purpose, if used, was to serve as a protection against falling tobacco. But this function was positively ascribed to the baffles over the burners and immediately below the screen. Any useful function which the screen had must be inferred, and it was apparently later definitely decided by the patentee that it served no useful purpose, as he omitted it in his present application. Thus, "the elements retained perform the same function as before" and in using a "combination of old elements," the result is a "mere aggregation of the several functions of the different elements of the combination, each performing its old function in the old way." There is, therefore, "nothing upon which a claim to invention can be based." *Richards* v. *Chase Elevator Co.*, supra. Compare *McCreary* v. *Pennsylvania Canal Co.*, 141 U. S. 459 (1891), 47 O. G. 1131, where the Supreme Court said, at p. 467:

". . . It is true that the combination of the earlier patent in this case is substantially contained in the latter. If it be identical with it or only a colorable variation from it, the second patent would be void, as a patentee cannot take out two patents for the same invention."

Smith's removal of the screen is nothing more than a "colorable variation" from the patent which he already has.

In the case of *Re Poin*, 41 App. D. C. 586 (1914), 201 O. G. 570, this court held that the omission of a certain element (a float) of a patented liquid measuring device, so that the supply and flow of liquid through the connecting pipes was unobstructed, amounted to nothing patentable. Said the court, at p. 589:

". . . But the purpose of these floats is to prevent, by means of locking devices with which they are connected, the turning of the handle carrying the valve in the supply and discharge pipes of the cups, until one of the cups is entirely empty and the other entirely full. *It would require but the exercise of mere mechanical skill to remove these floats. The omission of this element, with a corresponding loss of function, does not amount to invention.*" [Emphasis supplied.]

Lack of invention is even more readily seen here than in that case because the screen, by the terms of the prior patent, had no specific function, being merely referred to in the specification as an element which the patentee "may desire" to use.

Eibel Process Co. v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45 (1923), 310 O. G. 3, cited by the appellant, is not in point for, in that case, the Supreme Court found that the disputed patent was a substantial improvement, different from the prior art in purpose and degree. But here, the new application cannot accurately be so described. In *Sharp* v. *Coe*, 75 U. S. App. D. C. 118, 123, 125 F.2d 185, 190 (1941), we cited the Eibel case in support of the following statement:

". . . If modification of the prior art, even though not great, nevertheless, as the last step taken accomplishes a new and useful result, and solves a problem which has beset the art and achieves commercial success, this, under substantial authority, is strong evidence of invention."

This seems to us to be a fair resumé of the Eibel holding showing that it does not affect the determination of this case.

[9] But appellant argues that "an inventor who presents two separate modifications of his invention in two separate co-pending applications may present claims of a scope to be generic to both modifications in either the first or the second patent to issue." And the parties apparently agree that, as between the patent and the application here in issue, the latter contains the generic claims, since they are broader than the claims of the patent. However that may be, *Miller* v. *Eagle*, supra, seems to answer this problem in saying (151 U. S. at 198):

". . . no patent can issue for an invention actually covered by a former patent, especially to the same patentee, although the terms of the claims may differ; that the second patent, although containing a broader claim, more generical in its character than the specific claims contained in the prior patent, is also void; . . ."

The United States Court of Customs and Patent Appeals has followed this view. In the case of *In re Barge*, 96 F.2d 314, 316 (CCPA 1938), 496 O. G. 270, where the applicant's claims had been rejected by the Patent Office on grounds of prior art and double patenting, that court said:

"It is well settled that, in instances like that at bar, where an applicant obtains a patent for one invention related to the same general subject matter as is disclosed in a later filed application, like that under consideration here, he is not entitled to two patents if his disclosure in the later application is not inventive over that for which he has already received a patent. The fact that he files his second application before the issuance of his first patent does not change the situation as long as the second application is not in the nature of a divisional one . . . If the law were otherwise than as is stated, supra, an applicant could secure the allowance of a patent and then later extend the period of his monopoly by adding uninventive features to the claims and secure a second patent therefor with a later date of issue. It is, therefore, settled law that in cases like the one at bar it is proper to hold the claims of a later filed application unpatentable in view of the prior art *and of the claims of the applicant's issued patent. In re Isherwood*, 46 App. D. C. 507; *In re Swan*, 46 F.2d 572, 18 CCPA Patents, 935; *In re Slopian*, 49 F.2d 835, 18 CCPA, Patents, 1393." [Emphasis supplied.]

[10] Finally, appellant suggests that the defense of double patenting should not defeat the method claim (claim 2) in the present application, since "it is well settled that the prior grant of an apparatus patent will not bar the grant of a method claim in a subsequent application," citing *General Tire & Rubber Co.* v. *Fisk Co.*, 104 F.2d 740 (C. C. A. 6th 1939); and *Hartford-Empire Co.* v. *Obear-Nester Glass Co.*, 71 F.2d 539 (C. C. A. 8th 1934); and that "There can be no double patenting of a method claim unless the earlier granted patent contains a similar method claim."

This argument is answered by *Kistler* v. *Coe*, 79 U. S. App. D. C. 36, 142 F.2d 94 (1944), 563 O. G. 209. In that case Kistler received a patent upon a material known as aerogel. While that application was pending, he filed an application for a patent for method claims for aerogel. This court said:

". . . In substance, therefore, what appellant seeks to cover with the monopoly of a patent is the method of putting his aerogel into spaces between outer and inner walls . . . for insulating purposes; as well as the buildings and refrigerators so insulated. The Patent Office rejected this ambitious proposal, as did the district court, for lack of invention. We agree with the Patent Office and with the district court.

"In response to the finding of the district court, that the claims here involved defined no invention over appellant's aerogel patent, he concedes that what he claims to be invention, in the present case, is disclosed in the patent issued to him on September 21, 1937. But he urges that the finding does not justify rejection of the disputed claims because he did not *claim* the alleged later invention in his earlier application. Specifically, he says: 'None of the claims [of his patent] are directed to a heat-insulating *structure* or to a *method* of making such structure.' [Italics supplied.] But this fact does not entitle appellant to a patent in the present case. *The claims of his earlier application did disclose all that was inventive in character and he received a patent therefor . . .*" [Emphasis supplied in last sentence.]

[11] The Patent Office finding that the claims lacked invention was, in our view, a reasonable one. The district court was therefore right in dismissing the complaint. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.2d 449 (1939), 512 O. G. 3; *Smith* v. *Ooms*, 82 U. S. App. D. C. 402, 166 F.2d 211 (1947).

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE HOOKER

No. 5589. Decided June 28, 1949

[— F.2d —; 82 USPQ 190]

1. CLAIMS—CONSTRUCTION—PENDING APPLICATION.
   Held that while an application is pending, claims must be read as broadly as their terms will permit.

2. SAME—SAME—LIMITATIONS NOT EXPRESSED.
   Held that limitations not expressed in the claims, though adequately stated in the specification, will not be read into the claims in order to avoid anticipation in the prior art.

3. PATENTABILITY—ANTICIPATION—DESCRIPTION OF DETAILS UNNECESSARY.
   A cited patent does not lose its validity as a reference by failure to describe in detail that which is obvious to those skilled in the art.

4. SAME—SAME—ALTERATION OF REFERENCE.
   It is not a proper defense that a claim is not anticipated by the reference because alterations would be required to carry out the method defined by the rejected claim.

5. SAME—SAME—NORMAL OPERATION OF PATENTED APPARATUS.
   Where the elements of the patented apparatus in their normal and usual operation will perform the function defined by appellant's claim, *Held*, there is no invention involved in doing the thing that was done by the method defined in it.

6. CLAIMS—CONSTRUCTION—PREAMBLE.
   Where the preamble does not give meaning and vitality to the claim, *Held* that such a preamble is to be ignored so far as imparting any limitation to the claim proper is concerned.

7. CLAIMS—APPARATUS—FUNCTIONAL DESCRIPTION.
   Where the claim calls for "means . . . for selectively maneuvering the target image light," *Held*, that is a functional description.

8. PATENTABILITY — APPARATUS — FUNCTIONAL DESCRIPTION AT POINT OF NOVELTY.
   Where the functional description stands at the very point of novelty, and especially where it merely states a problem for solution rather than teaching the method of its solution, *Held* that it is not allowable.

9. SAME — INVENTION — MANUAL VS. AUTOMATIC MOVEMENT.
   Held that invention is not involved in substituting hand maneuverability for automatic movement of the target image.

10. SAME—PARTICULAR SUBJECT MATTER—PHOTOELECTRIC MARKSMANSHIP APPARATUS.
    Certain claims for a photoelectric marksmanship apparatus *Held* well rejected for lack of patentability over the prior art.

APPEAL from the Patent Office. Serial No. 378,645.

AFFIRMED.

Callard Livingston (*Ivan P. Tashof* of counsel) for Donald E. Hooker.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

Four of the twenty claims in appellant's application for a patent for improvements in a Photoelectric Marksmanship Device were rejected by the Primary Examiner in the Patent Office, the remaining sixteen claims being allowed. That rejection was affirmed by the Board of Appeals of the Patent Office. The basis of rejection was that of lack of patentability over the prior art. The inventor has appealed to this court from that rejection and its affirmation by the Board of Appeals. R. S. 4911, 35 U. S. C. A. 59a.

The prior art references cited by the Patent Office tribunals are: Foisy, 2,042,174, May 26, 1936; Kollmayer et al., 2,069,901, August 10, 1937; Schlesinger, 2,227,007, December 31, 1940.

The appealed claims read as follows:

8. In a photoelectric marksmanship apparatus, in combination, a source of light modulated in a predetermined manner for defining a target, aimable photosensitive means adapted to be directed at said target, means operably controlled by said photosensitive means for giving an indication when said photosensitive means is aimed at a luminous target the luminosity of which is modulated in substantially the same predetermined manner aforesaid.

15. In photoelectric target apparatus, in combination, a light source, target-image defining means movably mounted in the path of light from said source, means for moving said image-forming means to cause corresponding motion of the target image defined thereby, means for modulating the target image light.

16. The combination of claim 15 further characterised by the provision of means movable relative to said source, at least, for selectively maneuvering the target image light with respect to a desired receiving surface.

24. Photoelectric apparatus including a plurality of sources of fluctuating light having different rates of fluctuation and adapted to be directed upon a receiving member, a photoelectric device actuated by light on said receiving member, electrical translating means actuated by said photoelectric device and selectively responsive only to the rate of fluctuation of a desired one of said sources, and indicating means actuated by said translating means in the selected operation thereof as aforesaid.

The invention comprises a "gun" containing a photoelectric cell, aimable at a movable luminous

target image which is superimposed upon an animated motion picture background. The light projecting the target image is modulated or tuned to a high frequency by means of a multi-apertured disc rotating before the light source, producing a high number of interruptions per unit of time. The photoelectric cell in the gun barrel is adjusted to register only light impulses of a frequency or modulation corresponding to that projecting the target image. When the gun is aimed correctly at the target and the trigger depressed, the photoelectric cell is activated and operates an amplifier which in turn actuates a hit-counter unit. Projecting the motion picture background onto the target screen necessarily involves wide fluctuations of light intensity on the screen. But for the tuned or modulated quality of the projected target image light and the cooperating photosensitive means, the gun would possibly register a hit when directed toward light flashes of the motion picture background. Avoidance of such a contingency is considered to be one of the unique features of the invention. The desirability of projecting the target image against the realistic background provided by the motion pictures while retaining the widest freedom of movement for the target image in relation to the background, unobtainable where the photoelectric cell and amplifying means is normally responsive to light of varying fluctuations, is secured by restricting the sensitivity of the photoelectric cell and amplifier to the range of frequency or modulation of the image light source.

The invention is adapted to marksmanship training for members of the armed forces. A mirror is provided which when manipulated by an instructor will project the target image on a screen or wall surface increasing greatly the freedom of target movement deemed suitable for training conditions.

The patent to Foisy describes an apparatus consisting of a phonograph-like turntable to which is strapped a flashlight in horizontal position. The turntable is positioned so that the light beam sweeps across a screen as the device operates. A rifle with a photoelectric cell attached to the barrel is connected in circuit with the turntable. When the rifle is correctly aimed at the spot of light sweeping across the target screen, the photoelectric cell will, when the trigger is pressed, close the circuit operating an electro-magnet which stops the turntable, thus registering a "hit."

The Kollmayer et al. reference is a marksmanship device consisting of a simulated gun, target screen, with movable aircraft images as targets and a background of moving clouds. Photo-sensitive means are not employed in the device; rather, an arrangement of trip pins is provided which, when the gun is properly aimed at a moving target, become aligned actuating electro-mechanical means causing the aircraft target image to appear to fall out of the "clouds." The clouds and target are projected onto the screen by means of two rotors positioned in front of a light lens in such a manner that cloud scenes depicted on the one rotor and aircraft representations trunnioned to the other are projected onto the screen as the rotors revolve.

The Schlesinger patent concerns the generation of synchronizing impulses in the transmitter of television systems. The invention employs a rotary disc provided with slots in its surface. A beam of light from a lamp is trained on the rotating disc face. A photoelectric cell positioned behind the disc registers the interrupted light flashes as a high frequency oscillation. The rotary disc also has a second series of slots, somewhat shorter than the first series, and interspersed therewith. The effect of the light passing through the shorter slots is to produce oscillations of a lower frequency, as a modulation of the higher frequency oscillations. The photoelectric cell is connected to an amplifier tuned to the basic frequency generated by the slots. The lower frequency impulses go through a filter and amplifier. The high and low frequency modulated voltage variations are then used as synchronizing signals in television systems.

Claim 8 was rejected on Foisy and Foisy in view of Schlesinger. The Board held that the claim does not require that the photosensitive means be responsive solely to a modulated source of light. The Examiner had likewise held that the claim does not require the indicating means to be sensitive only to the predetermined modulation of the target light source. The Board and Examiner both considered that the movement of Foisy's flashlight beam across the screen, or even the action of the lens on the light, broadly viewed was modulation of the light. Thus Foisy, it was held, taught all of the elements of the claim: a source of light modulated in a predetermined manner, aimable photosensitive means, and means operated by the photosensitive means to register a hit.

[1] Appellant's attack on that finding is marshaled principally against the broad interpretation of the term "modulate" which the tribunals below made under the rule of *Ex parte Cloyes*, 1924, C. D. 64, 328 O. G. 3, that, while an application is pending, claims must be read as broadly as their terms will permit. Essentially, appellant argues that a term in a claim should be defined as the term is used in the specification, and that there is no justification for interpreting it so broadly as to destroy the specification meaning of the term. Unfortunately for the appellant's case, that is not the law. [2] Not only will terms in claims be interpreted broadly, but also limitations not expressed in the claims, though adequately stated in the specification, will not be read into the claim in order to avoid anticipation in the prior art. *In re Carr*, 54 App. D. C. 283, 297 Fed. 542, 323 O. G. 4; Ellis on Patent Claims, 25; *In re Irving L. Stern*, 17 CCPA (Patents) 1234, 40 F.2d 1000, 5 USPQ 441, 401 O. G. 235; *In re Daniel Gray et al.*, 19 CCPA (Patents) 745, 53 F.2d 520, 11 USPQ 255, 415 O. G. 220; *In re Bryson J. Horton*, 19 CCPA (Patents) 871, 54 F.2d 961, 12 USPQ 221, 418 O. G. 273; *In re Buckwalter*, 22 CCPA (Patents) 1061, 75 F.2d 515, 24 USPQ 417, 457 O. G. 480; *In re Watt*, 23 CCPA (Patents) 1172, 83 F.2d 696, 29 USPQ 527, 471 O. G. 709; *In re Hegan*, 25 CCPA (Patents) 1182, 97 F.2d 86, 37 USPQ 750, 497 O. G. 558; *In re Hoover*, 26 CCPA (Patents) 1138, 102 F.2d 849, 41 USPQ 306, 506 O. G. 286; *In re Newton et al.*, 27 CCPA (Patents) 914, 110 F.2d 110, 44 USPQ 458, 517 O. G. 283; *In re Hagan et al.*, 34 CCPA (Patents) 848, 159 F.2d 452, 72 USPQ 442, 598 O. G. 5; *In re Erickson*, 36 CCPA (Patents) 734, 171 F.2d 307, 80 USPQ 94, 619 O. G. 853. Here appellant has left an important limitation out of his claim; viz., that the photosensitive means responds solely to light modulated in the predetermined manner of the target light. Lacking that limitation, the claim by its very breadth embraces the art of the Foisy patent. The Examiner's position, approved by the Board, that the projection of Foisy's rotating beam of light on the target screen, or the very effect wrought upon the light by the lens, is modulation broadly conceived, is sound. Furthermore, the claim assigns no significance to the modulation of the target image light, and without more, that feature of the claim may be considered a mere matter of choice unimportant to the device recited by the claim.

The rejection of claim 8 on the basis of Foisy in view of Schlesinger, as held by the Examiner, is likewise proper for if it be insisted that the claim demands a target image light source modulated in the manner taught in appellant's specification, the reference Schlesinger teaches such a modulation. The validity of the rejection on the latter ground requires no demonstration here, however, as the rejection on Foisy alone is adequate and proper.

The Board held claim 24 to be unpatentable over Schlesinger, stating that "the selective actuation of the photoelectric device by the sources of light indirectly, as from a screen, is not inventive over the selective actuation by the sources of light directly, as in Schlesinger." It considered the essence of the claim to lie in the selective response of fluctuating light of different rates of fluctuation by means of a photoelectric device which controls an indicating means. Schlesinger teaches the generation of high and low frequency light oscillations with a photoelectric means for selective discrimination of the frequencies, the higher being amplified at the basic frequency and led off as a high frequency voltage signal, whereas the lower frequency is filtered and amplified, being led off as a lower frequency voltage signal. Both signals are then used as synchronizing signals in television systems. It should be noted that the claim makes no mention of a target mechanism or aimable photosensitive means.

Appellant contends that Schlesinger discloses but a single source of light whereas claim 24 recites a plurality of sources. The Schlesinger "source" is, in appellant's view, the lamp which emits the beam of light. The Board obviously considered the high and lower frequency light oscillations emerging from the rotary disc positioned in front of the lamp as coming from two "sources" of light. A source is "that from which anything comes forth, regarded as its cause or origin," 58 C. J. 811; "that from which any act, movement, or effect proceeds," 39 Words and Phrases 515. Concededly the source of the light qua light is the lamp; however, the fluctuations in the light are produced by the slots in the rotating disc. From the longer slots in Schlesinger's rotary disc in operation emerge the high frequency oscillations. From the shorter slots emerge the lower frequency oscillations. But for the slots in the disc, light would not emerge as oscillations. Thus the series of long slots is "that from which" the high frequency oscillation "comes forth, regarded as" the "cause or origin" of that oscillation. From the series of shorter slots "comes forth" the lower frequency oscillation; hence those slots are "regarded as its cause or origin." Each series of slots is "that from which" the light qua oscillations of high or lower frequency as an "effect proceeds." So considered, the rotary disc contains two sources of light oscillations while the Schlesinger device is in operation. We hold that the Board was correct in referring to Schlesinger's "sources of light."

The Board held that Schlesinger's generation of light having different frequencies is the equivalent of different sources of light. The foregoing development of a broad meaning of "sources" confirms that finding. Appellant contends that "Schlesinger doesn't 'generate' any light whatever." "Generate" means "to beget, produce, to cause to be," 38 C. J. S. 768; 18 Words and Phrases, 1949 Supplement, 54. That Schlesinger "produces" light oscillations is clearly established, as hereinbefore described. Appellant argues with emphasis that "the wrong emphasis" and "a very oblique interpretation" has been made of Schlesinger's teaching; that to be used in "the claimed structure" would require substantial modification and reconstruction of Schlesinger's structure because "there is nothing whatever in this art to suggest the use of modulated light and selective means for preventing false operations due to extraneous and unwanted disturbing light." It may be said that the claim itself says nothing about "preventing false operations due to extraneous and unwanted disturbing light." As for "the claimed structure," the claim and Schlesinger both embrace the following essential concepts: plural sources of fluctuating (oscillate and fluctuate are synonyms) light; a photoelectric device and electrical translating means selective as to the rates of fluctuations with an indicating means controlled thereby. The end products of Schlesinger are the high and low frequency modulated voltage variations which are used as synchronizing signals for television systems. The means producing those signals are "indicating means."

[3] A cited patent does not lose its validity as a reference by failure to describe in detail that which is obvious to those skilled in the art. *In re Dryer*, 34 CCPA (Patents) 1186, 162 F.2d 505, 74 USPQ 168, 605 O. G. 553. [4] It is not a proper defense that a claim is not anticipated by the reference because alterations would be required to carry out the method defined by the rejected claim. [5]

And where the elements of the patented apparatus in their normal and usual operation will perform the function defined by appellant's claim, there is no invention involved in doing the thing that was done by the method defined in it. *In re Williford*, 34 CCPA (Patents) 812, 158 F.2d 997, 72 USPQ 321, 598 O. G. 327.

We see no need for considering the rejection of claim 24 on Foisy in view of Schlesinger as the claim by its terms is directed to a photoelectric apparatus and not to a marksmanship device, and the claim stands properly rejected on Schlesinger alone.

[6] The Board affirmed the Examiner's rejection of claim 15 based on Kollmayer et al. in view of Schlesinger, and which held that invention did not exist in modulating by Schlesinger's teaching the light of Kollmayer et al. The preamble to the claim, "In photoelectric target apparatus" was held not to be a patentable limitation, the Board citing *In re Wolfe*, 21 CCPA (Patents) 974, 69 F.2d 550, 21 USPQ 105, 445 O. G. 540. We concur in that finding. *In re Stacy*, 30 CCPA (Patents) 972, 135 F.2d 232, 57 USPQ 307, 554 O. G. 11. 2 Walker on Patents, Deller's Ed., Sec. 274, and cases cited. Where, as here, the preamble does not give meaning and vitality to the claim, an exception to the rule is unwarranted. *In re Rockwell*, 32 CCPA (Patents) 1177, 150 F.2d 560, 66 USPQ 215, 580 O. G. 158. Inasmuch as the claim fails to state any cooperative relationship of the "means for modulating target image light" with any other element of the claim, the Board held that element of the claim to be merely additive and not a patentable limitation. The appellant asserts that "Only by the mental process of completely ignoring the preamble to claim 15, can the significant limitation to 'target modulating light' be rendered relatively ineffectual in the claim." In the first place, the law is well settled that such a preamble is to be ignored so far as imparting any limitation to the claim proper is concerned; secondly, the "significant limitation to 'target modulating light'" is rendered clearly and decisively ineffectual by the very construction of the claim. There is, as the Board correctly held, no cooperative relationship mentioned in the claim to give such a limitation any meaning or vitality. Why should the light be so modulated? The claim supplies no answer, and the claim is the measure of the invention.

Appellant summarizes his position as follows:

> If any of the references to Foisy, Schlesinger, or Kollmayer contained the essential idea of keying or tuning light by modulation for projection and selective rejection of the *unwanted* light, there might be some warrant for the very liberal and loose interpretation of these references which the rejection attempts to justify; but such is not the case. [Italics quoted.]

Claim 15 itself does not contain the essential idea of keying or tuning light for projection and selective rejection of the unwanted light. Appellant in urging the patentability of that claim, devoid as it is of any expression of the very relationship of elements which he himself insists is the patentable essence of his invention, is begging the question. Kollmayer et al. and Schlesinger together embrace all of the elements recited in claim 15, and the claim stands properly rejected on those references.

[7] Claim 16 is based on claim 15 adding thereto "means * * * for selectively maneuvering the target image light." That is a functional description, as contended by the Solicitor. If claim 16 were to be held allowable, in view of the rejection of claim 15, it would only be because of the addition to the matter of the latter, the "means" specified in the former. Then the "means" would be held to be that which imparts the novelty leading to patentability. [8] Where the functional description stands at the very point of novelty, and especially where it merely states a problem for solution rather than teaching the method of its solution, it is not allowable. See *In re Smellie*, 27 CCPA (Patents) 1176, 111 F.2d 651, 45 USPQ 428, 520 O. G. 793, and cases cited. 2 Walker on Patents, Dellers Ed., Secs. 166, 167, pages 790–795. [9] We also agree with the Board that invention is not involved in substituting hand maneuverability for automatic movement (Kollmayer et al.) of the target image.

[10] For the reasons hereinbefore set out, the claims at bar stand well rejected, and the decision of the Board of Appeals is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,718,332, V. U. Closer, Process of selecting cotton seed; 2,112,159, S. B. Jackson, Apparatus for treating seed, filed July 12, 1949, D. C., N. D. Tex. (Lubbock), Doc. 782, *Chemical Delinting Co. v. Cottonseed Process Co. et al.*

2,040,177, Johnson & Johnson, Hydraulic lubricating connection, C. C. A., 8th Cir., Doc. 13835, *The Alemite Corp. v. Jiffy Lubricator Co.* Judgment of lower court reversed; plaintiff's claim that patent is valid and infringed dismissed Aug. 17, 1949. Doc. 13840, *Jiffy Lubricator Co. v. The Alemite Co.* Decree as above.

2,050,870, C. Weidauer, Pinking shear, D. C., S. D. N. Y., Doc. 40/157, *Pinking Shears Corp. v. Griffon Cutlery Works, Inc.* Order of dismissal Aug. 16, 1949.

2,092,348, C. N. Cross, Picture mount; 2,181,874, same, Picture holder; 2,240,208, 2,240,209, same, Display mount, D. C., N. D. Ill., E. Div., Doc. 48c1422, *C. N. Cross v. Reis & Co.* Patents held valid; injunction as to claims 1, 2, and 3 of 2,092,348; claims 6, 7, and 8 of 2,181,874; claims 1 and 2 of 2,240,208, and claims 1, 3, and 5 of 2,240,209 Aug. 17, 1949.

2,112,159. (See 1,718,332.)

2,145,169, 2,459,692, M. Fletcher, Support for neon tube, filed Aug. 19, 1949, D. C., E. D. N. Y., Doc. —, *Acme Lite Products Co. v. Standard Electric Co. et al.*

2,177,336, Shaver & Martin, Glass vessel; 2,329,057, H. R. Kiehl, Tempered hollow glass article, filed Aug. 5, 1949, D. C. Md., Doc. 4649, *Corning Glass Works v. Federal Glass Co.*

2,181,874. (See 2,092,348.) 2,206,989. (See 2,208,374.)

2,208,374, H. M. Lewis, Television receiving system; 2,206,989, H. A. Wheeler, Signal-translating circuit; Re. 21,176, same, Radio-frequency inductance unit, D. C., N. D. Ill., E. Div., Doc. 48c731, *Hazeltine Research, Inc. v. Admiral Corp.* Apr. 27, 1949. Consent judgment holding non-infringement of Re. 21,176. To correct error in 624 O. G. p. 966.

2,240,208. (See 2,092,348.) 2,240,209. (See 2,092,348.)

2,279,125, L. Mintzes, Garment, filed Aug. 17, 1949, D. C., S. D. N. Y., Doc. 51/302, *Ramsey Sportswear Co., Inc. v. R. L. Schwartz & Bro., Inc.*

2,324,913, J. F. Daukus, Clutch plate; 2,448,879, 2,448,880, D. E. Gamble, Friction clutch plate, filed Aug. 25, 1949, D. C., N. D. Ohio (Toledo), Doc. 6206, *Detroit Trust Co. et al. v. Dana Corp.* Same, D. C., E. D. Mich., S. Div., Doc. 8408, *Detroit Trust Co. et al. v. Joint Clutch & Gear Service, Inc., et al.*

2,329,057. (See 2,177,336.)

2,338,372, K. A. Wright, Method for conditioning well bores; 2,374,317, same, Well production equipment; 2,392,352, same, Method of placing a cement plug in a well bore, filed Aug. 17, 1949, D. C., S. D. Tex. (Houston), Doc. 5168, *Weatherford Oil Tool Co. v. B. & W., Inc., et al.*

2,354,857, J. A. & J. P. Gits, Molded indicia-bearing product and method of making same, D. C., N. D. Ill., E. Div., Doc. 47c1353, *Gemloid Corp. v. J. A. Gits et al.* Cause dismissed with prejudice Aug. 1, 1949. Doc. 49c257, *Gemloid Corp. v. Gits Molding Corp. et al.* Decree as above.

2,374,317. (See 2,338,372.) 2,392,352. (See 2,338,372.)

2,429,398, Cook & Grant, Hormone extract, filed Aug. 29, 1949, D. C., S. D. N. Y., Doc. 51/393, *Steroid Laboratories, Ltd., et al. v. American Home Products Corp. et al.*

2,448,879. (See 2,324,913.) 2,448,880. (See 2,324,913.)

2,449,886, J. S. Dougherty, Apparatus for magnifying the images on television screens, D. C., S. D. N. Y., Doc. 48/184, *E. L. Cournand & Co. v. Colomet Corp.* Stipulation of dismissal Aug. 25, 1949.

2,459,692. (See 2,145,169.)

2,477,531, H. J. Volman, Magnetic dart game, filed Aug. 10, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1252, *Toy Enterprises of America, Inc. v. S. Starkman & Co., Inc.*

Re. 21,176. (See 2,208,374.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116, act of July 5, 1946

T. M. 231,207. (See T. M. 420,802.)

T. M. 281,189, Sears, Roebuck & Co., Baby bathtubs, baking pans, etc.; T. M. 335,404, same, Polish and wax for furniture, floors, etc.; T. M. 340,964, T. M. 513,436, same, House cleaning devices; T. M. 505,831, same, Insecticide and moth preventatives, filed Aug. 23, 1949, D. C., E. D. Pa., Doc. 10035, *Sears, Roebuck & Co. v. Worth Mfg. Co.*

T. M. 335,404. (See T. M. 281,189.)

T. M. 340,964. (See T. M. 281,189.)

T. M. 416,067, King Pharr Canning Operations, Canned vegetables, etc., filed Aug. 30, 1948, D. C., W. D. Ark. (Fort Smith), Doc. 777, *King Pharr Canning Operations, Inc. v. Pharr Canning Co., Inc.* Counterclaim dismissed; injunction on Aug. 23, 1949.

T. M. 418,949, Benrose Fabrics Corp., Ladies', misses' and girls' dresses, etc.; T. M. 422,622, same, Textile fabrics in the piece; T. M. 504,803, same, Silk and synthetic textile fabrics in the piece, filed Nov. 19, 1949, D. C., N. D. Ill., E. Div., Doc. 47c1662, *Benrose Fabrics Corp. v. Ben Rose et al.*

T. M. 420,802, Clayton Mark & Co., Unions for connecting pipes or rods, and union check valves; T. M. 231,207, Petroleum Heat & Power Co., Petroleum-oil burners, filed Aug. 15, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1265, *Clayton Mark & Co. v. Petroleum Heat & Power Co.*

T. M. 422,622. (See T. M. 418,949.)

T. M. 504,803. (See T. M. 418,949.)

T. M. 505,831. (See T. M. 281,189.)

T. M. 510,479, Kay Gases Co., Propane, oxygen, hydrogen, etc., filed Aug. 16, 1949, D. C., N. D. Ill., E. Div., Doc. 49c1272, *Kay Gases Co. v. So-Gas Sales Co.*

T. M. 513,436. (See T. M. 281,189.)

NOTICES

Foreign Patents received in the Scientific Library as of August 31, 1949

Country	Date received	Highest number
Australia	July 21, 1949	134,940
Austria	Aug. 25, 1949	163,700
Canada	Aug. 19, 1949	455,785
Czechoslovakia	Apr. 20, 1949	76,970
Denmark	July 22, 1949	69,200
Finland	Apr. 27, 1949	22,992
France (*Patents*)	Aug. 24, 1949	947,000
(*Additions*)	May 17, 1949	54,380
Germany	June 7, 1945	750,986
Great Britain	July 26, 1949	623,353
Hungary	Aug. 24, 1949	139,774
India	Apr. 27, 1949	39,634
Italy	Jan. 11, 1949	405,000
Japan	May 27, 1949	174,900
Netherlands	Aug. 1, 1949	63,538
Norway	Aug. 22, 1949	75,266
Poland	Aug. 5, 1949	33,566
Russia	Apr. 10, 1928	3,499
Sweden	July 22, 1949	124,800
Switzerland	Aug. 26, 1949	260,870

Markush-Type Claim Permissible Under True Generic Claim

The Markush type of genus was initially approved to solve the language difficulty confronting an applicant who having found that certain materials are functionally equivalent for a particular purpose, is unable to find an accepted term or expression that embraces those materials only; *Ex parte Markush*, 1925 C. D. 126.

In its application, the Markush type of expression has heretofore been generally restricted to those situations where a true generic expression is not available to the applicant, the theory being that it is only in such cases that the need or emergency exists. This restriction would be logically sound if there were a reasonable certainty that the true genus claim would be held valid by the courts. Conceivably, a patentee may have presented a number of examples which, in the Examiner's opinion, are sufficiently representative to support a generic claim and yet a court may subsequently hold the claim invalid on the ground of undue breadth. Where this happens the patentee is often limited to species claims which may not provide him with suitable protection.

The allowance of a Markush type claim under a true genus claim would appear to be beneficial to the applicant without imposing any undue burden on the Patent Office or in any way detracting from the rights of the public. Such a subgenus claim would enable the applicant to claim all the disclosed operative embodiments and afford him an intermediate level of protection in the event the true genus claims should be subsequently held invalid. It would appear that this extension of the Markush practice would be in keeping with the spirit of assistance to the inventor which motivated the establishment of this practice.

The Examiners are therefore instructed not to reject a Markush type claim merely because of the presence of a true genus claim embracive thereof.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

Sept. 23, 1949.

Adjudicated Patent

(Ct. Cl. D. C.) Dickey Design Patent No. 76,783, for combination bookcase and desk cabinet or similar article, *Held* not infringed. *Dickey* v. *U. S.*, 84 F. Supp. 741; 82 USPQ 70.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,408,420, E. L. Ginston, Frequency multiplier, decided Sept. 14, 1949, claims 1, 2, 3, 6, 7, 9, 10, 11, 12, 13, 18, and 19.

Pat. 2,419,574, G. J. Lehmann, Impulse generating system, decided Sept. 14, 1949, claims 2 and 3.

Pat. 2,436,695, C. S. Kuhn, Jr., Alkylation process, decided Sept. 13, 1949, claim 1.

Pat. 2,451,263, D. R. Webb, Power boost control system, decided Aug. 29, 1949, claims 2, 10, 13, and 17.

Interference Notices

MITCHELL CHEMICAL CO., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Hall & Ruckel, Inc., 67 Vestry Street, New York, N. Y., for registration of a trade-mark and Registration No. 272,338, issued July 8, 1930, to Mitchell Chemical Co., 3026 E. 116th Street, Cleveland, Ohio, and the notice of such declaration sent by registered mail to the said Mitchell Chemical Co., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Mitchell Chemical Co., its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents

Sept. 8, 1949.

Dodger Beverage Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Haas Brothers, Third and Channel Streets, San Francisco, Calif., for registration of a trade-mark and Registration No. 440,235, issued August 17, 1948, to Dodger Beverage Company, 299 Division Avenue, Brooklyn 11, N. Y., and the notice of such declaration sent by registered mail to the said Dodger Beverage Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless Dodger Beverage Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

September 21, 1949.

Disclaimers

2,421,312.—*Lloyd J. Bobb*, Glenside, Pa. DEFLECTION SIGNAL GENERATOR FOR POLAR SCANNING OF CATHODE-RAY TUBES. Patent dated May 27, 1947. Disclaimer filed Aug. 30, 1949, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claim 7 of said patent.

2,448,352.—*Benson Carlin*, New York, N. Y. PIEZOELECTRIC CRYSTAL MOUNTING MEANS. Patent dated Aug. 31, 1948. Disclaimer filed Aug. 30, 1949, by the assignee, *Sperry Products, Inc.*

Hereby enters the following disclaimer:

From the scope of claim 1, all means for cutting off the transmission of vibrations from predetermined areas of the front face of the piezoelectric crystal in which such means are not spaced from the front face of the piezoelectric crystal.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

American Telephone and Telegraph Company has placed all of its United States patents on the Register as available for licenses. A notice with a statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE of Feb. 15, 1949.

In accordance with said notice, listings of the patents began in the GAZETTE of Aug. 16, 1949, and are appearing in succeeding issues as space and time permit. The present listing includes Reg. Nos. 27,680 through 28,415.

Inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

Pat. 2,390,664. Tabulation Control System. Dec. 11, 1945.

Pat. 2,390,672. Station Identifier. Dec. 11, 1945.

Pat. 2,390,769. Making Retractile Cords. Dec. 11, 1945.

Pat. 2,390,776. Mounting Electrical Condensers. Dec. 11, 1945.

Pat. 2,390,784. Testing Electrical Condensers. Dec. 11, 1945.

Pat. 2,390,785. Conveyor. Dec. 11, 1945.

Pat. 2,390,792. Power Transmission Devices. Dec. 11, 1945.

Pat. 2,390,863. Electromagnetic Core. Dec. 11, 1945.

Pat. 2,390,869. Telephone Transmission Systems and Apparatus. Dec. 11, 1945.

Pat. 2,390,884. Phase Shifter. Dec. 11, 1945.

Pat. 2,390,904. Apparatus for Handling Strands. Dec. 11, 1945.

Pat. 2,391,036. Armored Conductor Structures. Dec. 18, 1945.

Pat. 2,391,037. Armored Conductor Structure. Dec. 18, 1945.

Pat. 2,391,056. Keyboard Perforator. Dec. 18, 1945.

Pat. 2,391,088. Take-Up Apparatus. Dec. 18, 1945.

Pat. 2,391,222. Electromagnetic Devices. Dec. 18, 1945.

Pat. 2,391,276. Selector Switch. Dec. 18, 1945.

Pat. 2,391,280. Forming Layers for Electronic Cathodes. Dec. 18, 1945.

Pat. 2,391,433. Making Retractile Cords. Dec. 25, 1945.

Pat. 2,391,506. Resistance Device. Dec. 25, 1945.

Pat. 2,391,685. Stabilization of Halogenated Compounds. Dec. 25, 1945.

Pat. 2,391,686. Electrical Condensers and Dielectric Elements. Dec. 25, 1945.

Pat. 2,391,687. Stabilization of Electric Condensers. Dec. 25, 1945.

Pat. 2,391,688. Electrical Condensers. Dec. 25, 1945.

Pat. 2,391,689. Stabilization of Halogenated Compounds. Dec. 25, 1945.

Pat. 2,391,721. Insulation Slitting Tools. Dec. 25, 1945.

Pat. 2,391,722. Portable Insulation Slitting Tools. Dec. 25, 1945.

Pat. 2,391,941. Signaling Systems. Jan. 1, 1946.

Pat. 2,391,954. Wave Stabiliser. Jan. 1, 1946.

Pat. 2,391,967. Wave Generator. Jan. 1, 1946.

Pat. 2,391,984. Printing Telegraph Apparatus. Jan. 1, 1946.

Pat. 2,392,089. Switching System. Jan. 1, 1946.

Pat. 2,392,090. Busy Test System. Jan. 1, 1946.

Pat. 2,392,099. Glass Sealed Contact Units. Jan. 1, 1946.

Pat. 2,392,311. Sealing of Metallic Members in Molded Casings. Jan. 8, 1946.

Pat. 2,392,321. Desk Telephone Sets. Jan. 8, 1946.

Pat. 2,392,339. Regenerative Repeater for Multiway Balanced Loop Repeaters. Jan. 8, 1946.

Pat. 2,392,350. Ultrasonic Cell. Jan. 8, 1946.

Pat. 2,392,356. Telegraph System. Jan. 8, 1946.

Pat. 2,392,367. Electron Discharge Devices. Jan. 8, 1946.

Pat. 2,392,429. Piezoelectric Crystal Apparatus. Jan. 8, 1946.

Pat. 2,392,434. Voltage Regulator. Jan. 8, 1946.

Pat. 2,392,482. Material Working Apparatus. Jan. 8, 1946.

Pat. 2,392,484. Printing Telegraph Apparatus. Jan. 8, 1946.

Pat. 2,392,496. Transmission Control in Two-Way Signaling Systems. Jan. 8, 1946.

Pat. 2,393,023. Covering Articles. Jan. 15, 1946.

Pat. 2,393,024. Coating Lead Sheathed Cable. Jan. 15, 1946.

Pat. 2,393,177. Testing Electrical Conductors. Jan. 15, 1946.

Pat. 2,393,185. Apparatus for Subdividing a Mass. Jan. 15, 1946.

Pat. 2,393,201. Control Means. Jan. 15, 1946.

Pat. 2,393,236. Subscriber's Line Testing System. Jan. 22, 1946.

Pat. 2,393,239. Refining of Non-Ferrous Metals. Jan. 22, 1946.

Pat. 2,393,243. Strand Handling Apparatus. Jan. 22, 1946.

Pat. 2,393,277. One Piece Self-Locking Carton. Jan. 22, 1946.

Pat. 2,393,295. Magnetic Materials. Jan. 22, 1946.

Pat. 2,393,355. Solderless Electrical Conductor Connections. Jan. 22, 1946.

Pat. 2,393,416. Perforating Machines. Jan. 22, 1946.

Pat. 2,393,548. Winding Machine. Jan. 22, 1946.

Pat. 2,393,586. Die Casting Apparatus. Jan. 29, 1946.

Pat. 2,393,601. Detecting Circuits. Jan. 29, 1946.

Pat. 2,393,664. Testing Method. Jan. 29, 1946.

Pat. 2,393,718. Material Forming Apparatus. Jan. 29, 1946.

Pat. 2,393,719. Article Assembling Apparatus. Jan. 29, 1946.

Pat. 2,393,733. Reels. Jan. 29, 1946.

Pat. 2,393,734. One Piece Self-Locking Carton. Jan. 29, 1946.

Pat. 2,393,780. Assembling Apparatus. Jan. 29, 1946.

Pat. 2,393,790. Signaling Devices. Jan. 29, 1946.

Pat. 2,394,008. Beam Resonator Tube. Feb. 5, 1946.

Pat. 2,394,167. Printing Telegraph Apparatus. Feb. 5, 1946.

Pat. 2,394,461. Measuring the Impedance and Reflection Coefficients of Surfaces. Feb. 5, 1946.

Pat. 2,394,467. Article Handling Apparatus. Feb. 5, 1946.

Pat. 2,394,479. Resistor Device. Feb. 5, 1946.

Pat. 2,394,482. Balancing Rotating Members. Feb. 5, 1946.

Pat. 2,394,559. Speed Control for Motors. Feb. 12, 1946.

Pat. 2,394,599. Article Feeding Apparatus. Feb. 12, 1946.

Pat. 2,394,622. Orienting Device. Feb. 12, 1946.

Pat. 2,394,626. Welding Apparatus. Feb. 12, 1946.

Pat. 2,394,630. Article Handling Apparatus. Feb. 12, 1946.

Pat. 2,394,658. Vulcanizing Articles. Feb. 12, 1946.

Pat. 2,394,661. Timing Apparatus. Feb. 12, 1946.

Pat. 2,394,670. Dielectric Materials. Feb. 12, 1946.

Pat. 2,394,681. Printing Telegraph Apparatus. Feb. 12, 1946.

Pat. 2,394,699. Broaching Machine. Feb. 12, 1946.

Pat. 2,394,700. Article Forming Apparatus. Feb. 12, 1946.

Pat. 2,394,720. Wire Drawing Die. Feb. 12, 1946.

Pat. 2,394,723. Broaching Tool. Feb. 12, 1946.

Pat. 2,394,724. Forming Meter Magnet Assemblies. Feb. 12, 1946.

Pat. 2,394,837. Assembling Articles. Feb. 12, 1946.

Pat. 2,394,881. Article Assembling Apparatus. Feb. 12, 1946.

Pat. 2,394,926. Key-Operated Telephone Call Transmitter. Feb. 12, 1946.

Pat. 2,394,927. Telephone Call Transmitter. Feb. 12, 1946.

Re. Pat. 22,723. Automatic Message Exchange System. Feb. 19, 1946. Original Pat. 2,394,927.

Pat. 2,395,080. Speed Control for Motors. Feb. 19, 1946.

Pat. 2,395,259. Dry Rectifiers. Feb. 19, 1946.

Pat. 2,395,269. Impulse Transmitting Devices. Feb. 19, 1946.

Pat. 2,395,299. Electron Discharge Apparatus. Feb. 19, 1946.

Pat. 2,395,300. Electrical Device. Feb. 19, 1946.

Pat. 2,395,316. Molding Apparatus. Feb. 19, 1946.

Pat. 2,395,274. Stripping Apparatus. Feb. 19, 1946.

Pat. 2,395,428. Distribution System. Feb. 26, 1946.

Pat. 2,395,477. Motor-Control Circuit. Feb. 26, 1946.

Pat. 2,395,514. Pilot Wave Generator. Feb. 26, 1946.

Pat. 2,395,515. Frequency Detecting Network. Feb. 26, 1946.

Pat. 2,395,516. Speed Control System for Electric Motors. Feb. 26, 1946.

Pat. 2,395,517. Speed Control System for Electric Motor. Feb. 26, 1946.

Pat. 2,395,539. Telephone Call Transmitter. Feb. 26, 1946.

Pat. 2,395,540. Order Wire Circuit for Carrier Transmission System. Feb. 26, 1946.

Pat. 2,395,560. Wave Guides. Feb. 26, 1946.

Pat. 2,395,575. Transmission of Motion. Feb. 26, 1946.

Pat. 2,395,586. Tool Drives. Feb. 26, 1946.

Pat. 2,395,743. Dry Rectifiers. Feb. 26, 1946.

Pat. 2,395,758. Wave Translating Systems. Feb. 26, 1946.

Pat. 2,395,759. Resistor. Feb. 26, 1946.

Pat. 2,395,798. Traffic Control System. Mar. 5, 1946.

Pat. 2,396,044. Switching Devices. Mar. 5, 1946.

Pat. 2,396,072. Telephone Systems. Mar. 5, 1946.

Pat. 2,396,111. Telephone System. Mar. 5, 1946.

Pat. 2,396,187. Electric Recorder. Mar. 5, 1946.

Pat. 2,396,196. Controllable Resistor. Mar. 5, 1946.

Pat. 2,396,211. Selective Calling Signal Device. Mar. 5, 1946.

Pat. 2,396,335. Art of Drilling. Mar. 12, 1946.

Pat. 2,396,848. Extrusion Apparatus. Mar. 12, 1946.

Pat. 2,396,375. Magnetic Materials. Mar. 12, 1946.

Pat. 2,396,378. Sorting Apparatus. Mar. 12, 1946.

Pat. 2,396,399. Chucking Device. Mar. 12, 1946.

Pat. 2,396,504. Collet Stop Anchor. Mar. 12, 1946.

Pat. 2,396,638. Code Translator. Mar. 19, 1946.

Pat. 2,396,691. Condenser Transmitter Amplifier Systems. Mar. 19, 1946.

Pat. 2,396,797. Trouble Lock-Out Arrangement. Mar. 19, 1946.

Pat. 2,396,798. Signaling Systems. Mar. 19, 1946.

Pat. 2,396,990. Automatic Line Testing and Switching Circuits. Mar. 19, 1946

Pat. 2,397,052. Soldering Apparatus. Mar. 19, 1946.

Pat. 2,397,123. Contact Operation. Mar. 26, 1946.

Pat. 2,397,126. Gear Drive Mechanism. Mar. 26, 1946.

Pat. 2,397,202. Photoelectric Transmitter Synchronizer. Mar. 26, 1946.

Pat. 2,397,610. Part Supplying Devices. Apr. 2, 1946.

Pat. 2,397,622. Coating Material in Strand Form. Apr. 2, 1946.

Pat. 2,397,829. Telephone System. Apr. 2, 1946.

Pat. 2,397,830. Harmonic Control Systems. Apr. 2, 1946.

Pat. 2,397,837. Testing Telephone Lines. Apr. 2, 1946.

Pat. 2,397,848. Teletypewriter Control System. Apr. 2, 1946.

Pat. 2,397,881. Signaling Systems. Apr. 2, 1946.

Pat. 2,397,884. Frequency Diversity Telegraph System. Apr. 2, 1946.

Pat. 2,397,885. Frequency Diversity Telegraph System. Apr. 2, 1946.

Pat. 2,397,887. Automatic Alternating Routing of Interoffice Calls. Apr. 2, 1946.

Pat. 2,398,205. Article Handling Apparatus. Apr. 9, 1946.

Pat. 2,398,217. Whipping Conductors. Apr. 9, 1946.

Pat. 2,398,230. Cutting Apparatus. Apr. 9, 1946.

Pat. 2,398,387. Material Forming Apparatus. Apr. 16, 1946.

Pat. 2,398,449. Hermetic Seals. Apr. 16, 1946.

Pat. 2,398,466. Locking Device. Apr. 16, 1946.

Pat. 2,398,476. Punching Apparatus. Apr. 16, 1946.

Pat. 2,398,712. Coated Articles. Apr. 16, 1946.

Pat. 2,398,715. Tilting Apparatus. Apr. 16, 1946.

Pat. 2,398,721. Adjustably Spacing Members. Apr. 16, 1946.

Pat. 2,398,879. Material Handling Apparatus. Apr. 23, 1946.

Pat. 2,398,881. Coated Articles. Apr. 23, 1946.

Pat. 2,398,906. Article Working Apparatus. Apr. 23, 1946.

Pat. 2,399,012. Measuring Device. Apr. 23, 1946.

Pat. 2,399,052. Article Handling. Apr. 23, 1946.

Pat. 2,399,094. Enamel Coated Articles. Apr. 23, 1946.

Pat. 2,399,213. Timing Circuit. Apr. 30, 1946.

Pat. 2,399,536. Fixtures for Assembling Articles. Apr. 30, 1946.

Pat. 2,399,727. Cutting Tool. May 7, 1946.

Pat. 2,399,754. Cathode Ray Apparatus. May 7, 1946.

Pat. 2,399,770. Sealing of Glass to Metal. May 7, 1946.

Pat. 2,400,061. Telephone System. May 14, 1946.

Pat. 2,400,085. Timing Mechanisms. May 14, 1946.

Pat. 2,400,148. Telephone Call Transmitting Devices. May 14, 1946.

Pat. 2,400,559. Inductance Device. May 21, 1946.

Pat. 2,400,574. Start-Stop Receiving Selector Mechanism. May 21, 1946.

Pat. 2,400,893. Process of Carbiding. May 28, 1946.

Pat. 2,401,047. Coating Apparatus. May 28, 1946.

Pat. 2,401,176. Assembling Apparatus. May 28, 1946.

Pat. 2,401,328. Sound Translating Devices. June 4, 1946.

Pat. 2,401,329. Wire Heading Apparatus. June 4, 1946.

Pat. 2,401,347. Impulse Generator. June 4, 1946.

Pat. 2,401,352. Party Line Identification System. June 4, 1946.

Pat. 2,401,355. Radio Receiving System. June 4, 1946.

Pat. 2,401,361. Means for Protecting Ships From Submarine Explosions. June 4, 1946.

Pat. 2,401,362. Working an Article. June 4, 1946.

Pat. 2,401,372. Electronic Musical Instrument. June 4, 1946.

Pat. 2,401,381. Refractoscope. June 4, 1946.

Pat. 2,401,382. Quartz Crystal Testing Device and Method. June 4, 1946.

Pat. 2,401,398. Testing Insulated Conductors. June 4, 1946.

Pat. 2,401,454. Teletypewriter Secrecy System. June 4, 1946.

Pat. 2,401,464. Privacy System. June 4, 1946.

Pat. 2,401,474. Teletypewriter Secrecy System. June 4, 1946.

Pat. 2,401,475. Teletypewriter Secrecy System. June 4, 1946.

Pat. 2,401,477. Teletypewriter Secrecy System. June 4, 1946.

Pat. 2,401,494. Secret Signaling System. June 4, 1946.

Pat. 2,401,507. Secrecy Cipher System. June 4, 1946.

Pat. 2,401,518. Power Driven Wire Reel Mechanisms. June 4, 1946.

Pat. 2,401,751. Coupling Systems. June 11, 1946.

Pat. 2,401,759. Directionally Selective Radio Communication System. June 11, 1946.

Pat. 2,401,777. Electron Discharge Apparatus. June 11, 1946.

Pat. 2,401,779. Summing Amplifier. June 11, 1946.

Pat. 2,401,905. Friction Shock Absorbing Mechanism. June 11, 1946.

Pat. 2,401,920. Measuring Apparatus. June 11, 1946.

Pat. 2,401,930. Article Treating Apparatus. June 11, 1946.

Pat. 2,401,953. Lapping Machines. June 11, 1946.

Pat. 2,401,954. Testing Apparatus. June 11, 1946.

Pat. 2,402,082. Mechanical Ciphering System. June 11, 1946.

Pat. 2,402,147. Electron Discharge Devices. June 18, 1946.

Pat. 2,402,184. Ultra-High Frequency Electronic Device Contained Within a Wave Guide. June 18, 1946.

Pat. 2,402,188. Electronic Devices and Circuits. June 18, 1946.

Pat. 2,402,582. Preparation of Silicon Materials. June 25, 1946.

Pat. 2,402,617. Testing Equipment. June 25, 1946.

Pat. 2,402,661. Alternating Current Rectifier. June 25, 1946.

Pat. 2,402,662. Light-Sensitive Electric Device. June 25, 1946.

Pat. 2,402,668. Thermoelectric Device. June 25, 1946.

Pat. 2,402,700. Telephone Systems. June 25, 1946.

Pat. 2,402,839. Electrical Translating Device Utilizing Silicon. June 25, 1946.

Pat. 2,402,985. Magnetic Recorder. July 2, 1946.

Pat. 2,402,998. Wiping Plate. July 2, 1946.

Pat. 2,403,009. Pulse Generating System and Its Use in Signal Transmission Systems. July 2, 1946.

Pat. 2,403,023. Television Follower Apparatus. July 2, 1946.

Pat. 2,403,025. Electron Beam Devices. July 2, 1946.

Pat. 2,403,269. Projector for Page Printer. July 2, 1946.

Pat. 2,403,270. Projector for Page Printer. July 2, 1946.

Pat. 2,403,206. Printing Telegraph Apparatus. July 2, 1946.

Pat. 2,403,207. Projector for Page Printer. July 2, 1946.

Pat. 2,403,220. Projector for Page Printer. July 2, 1946.

Pat. 2,403,441. Telegraph System. July 9, 1946.

Pat. 2,403,443. Impaling Instrument. July 9, 1946.

Pat. 2,403,444. Electron Discharge Devices. July 9, 1946.

Pat. 2,403,445. Electron Discharge Device. July 9, 1946.

Pat. 2,403,457. Terminal Strip for Inductive Devices. July 9, 1946.

Pat. 2,403,468. Protection of Communication Circuit Elements. July 9, 1946.

Pat. 2,403,475. Telephone Systems. July 9, 1946.

Pat. 2,403,586. Refining of Non-Ferrous Metals. July 9, 1946.

Pat. 2,403,679. Mechanical Ciphering System. July 9, 1946.

Pat. 2,403,680. Ciphering System. July 9, 1946.

Pat. 2,403,681. Ciphering System. July 9, 1946.

Pat. 2,403,682. Mechanical Ciphering System. July 9, 1946.

Pat. 2,403,815. Making Cards. July 9, 1946.

Pat. 2,403,816. Card and Method of Making Card. July 9, 1946.

Pat. 2,403,888. Enciphering and Deciphering System. July 9, 1946.

Pat. 2,403,974. System for Locating the Source of an Explosion Wave. July 16, 1946.

Pat. 2,403,975. Automatic Following System. July 16, 1946.

Pat. 2,403,982. Analysis and Representation of Complex Waves. July 16, 1946.

Pat. 2,403,983. Representation of Complex Waves. July 16, 1946.

Pat. 2,403,984. Representation of Complex Waves. July 16, 1946.

Pat. 2,403,985. Sound Reproduction. July 16, 1946.

Pat. 2,403,986. Wave Translation. July 16, 1946.

Pat. 2,403,989. Potentiometer Device. July 16, 1946.

Pat. 2,403,990. Compressional Wave Radiator. July 16, 1946.

Pat. 2,403,996. Electron Discharge Apparatus. July 16, 1946.

Pat. 2,403,997. Representation of Complex Waves. July 16, 1946.

Pat. 2,404,157. Bonding Structures. July 16, 1946.

Pat. 2,404,180. Burr Removing Apparatus. July 16, 1946.

Pat. 2,404,197. Article Assembling Apparatus. July 16, 1946.

Pat. 2,404,339. Printing Telegraph Apparatus. July 16, 1946.

Pat. 2,404,360. Tunable Under Water Signal Source. July 23, 1946.

Pat. 2,404,375. Electro Mechanical Devices. July 23, 1946.

Pat. 2,404,383. Spring Holders for Cantilever Elements. July 23, 1946.

Pat. 2,404,387. Electrical Computing System. July 23, 1946.

Pat. 2,404,391. Prismatic and High Power Compressional Wave Radiators and Receivers. July 23, 1946.

Pat. 2,404,529. Valves. July 23, 1946.

Pat. 2,404,654. Toll Metering System. July 23, 1946.

Pat. 2,404,675. Safety Guard. July 23, 1946.

Pat. 2,404,730. Soldering Apparatus. July 23, 1946.

Pat. 2,404,782. Assembling Apparatus. July 30, 1946.

Pat. 2,404,784. Acoustic Devices. July 30, 1946.

Pat. 2,404,785. Electro Mechanical Device. July 30, 1946.

Pat. 2,404,786. Moisture Control in Electro Mechanical Devices. July 30, 1946.

Pat. 2,404,798. Electromechanical Devices. July 30, 1946.

Pat. 2,404,799. Submarine Signaling Device. July 30, 1946.

Pat. 2,404,802. Electron Discharge Device. July 30, 1946.

Pat. 2,404,803. Space Discharge Device. July 30, 1946.

Pat. 2,404,886. Electrical Measuring Systems. July 30, 1946.

Pat. 2,405,168. Projector for Page Printer. Aug. 6, 1946.

Pat. 2,405,173. Projector for Page Printer. Aug. 6, 1946.

Pat. 2,405,175. Ultra-High Frequency Oscillators. Aug. 6, 1946.

Pat. 2,405,179. Electromechanical Device. Aug. 6, 1946.

Pat. 2,405,180. Insulators. Aug. 6, 1946.

Pat. 2,405,182. Ultra-Sonic Ranging Device. Aug. 6, 1946.

Pat. 2,405,192. Resistor. Aug. 6, 1946.

Pat. 2,405,194. Telephone Systems. Aug. 6, 1946.

Pat. 2,405,209. Submarine Signal Device. Aug. 6, 1946.

Pat. 2,405,210. Submarine Signal Device. Aug. 6, 1946.

Pat. 2,405,211. Communication System. Aug. 6, 1946.

Pat. 2,405,214. Call Distributing System. Aug. 6, 1946.

Pat. 2,405,225. Submarine Signal System. Aug. 6, 1946.

Pat. 2,405,226. Low Frequency Projector or Hydrophone. Aug. 6, 1946.

Pat. 2,405,227. Geometrical Instrument. Aug. 6, 1946.

Pat. 2,405,230. Telephone System. Aug. 6, 1946.

Pat. 2,405,231. Aircraft Blind Landing System. Aug. 6, 1946.

Pat. 2,405,242. Microwave Radio Transmission. Aug. 6, 1946.

Pat. 2,405,246. Sound Recording System. Aug. 6, 1946.

Pat. 2,405,281. Object Locater. Aug. 6, 1946.

Pat. 2,405,332. Toll Telephone Diversion System. Aug. 6, 1946.

Pat. 2,405,339. Equipment for Observing Dial Tone Speed. Aug. 6, 1946.

Pat. 2,405,485. Article-Forming Apparatus. Aug. 6, 1946.

Pat. 2,405,504. Glass Working Apparatus. Aug. 6, 1946.

Pat. 2,405,569. Cryptographic Telegraph System. Aug. 13, 1946.

Pat. 2,405,570. Cryptographic Telegraph System. Aug. 13, 1946.

Pat. 2,405,571. Cryptographic Telegraph System. Aug. 13, 1946.

Pat. 2,405,588. Rotary Driving Mechanism. Aug. 13, 1946.

Pat. 2,405,590. Detonation Shield. Aug. 13, 1946.

Pat. 2,405,591. Training Device. Aug. 13, 1946.

Pat. 2,405,597. Frequency Measuring System. Aug. 13, 1946.

Pat. 2,405,599. Privacy System. Aug. 13, 1946.

Pat. 2,405,603. Data Transmission System. Aug. 13, 1946.

Pat. 2,405,604. Compressional Wave Translating Device. Aug. 13, 1946.

Pat. 2,405,605. Signal Translating Device. Aug. 13, 1946.

Pat. 2,405,611. Electron Beam Amplifiers. Aug. 13, 1946.

Pat. 2,405,612. Ultra-High Frequency Resonant Cavities. Aug. 13, 1946.

Pat. 2,405,617. Data Transmission System. Aug. 13, 1946.

Pat. 2,405,618. Permutation Code Data Transmission System. Aug. 13, 1946.

Pat. 2,405,992. Directive Antenna System. Aug. 20, 1946.

Pat. 2,406,008. Jig. Aug. 20, 1946.

Pat. 2,406,012. Mechanical Drive Device. Aug. 20, 1946.

Pat. 2,406,014. System for Locating the Source of an Explosion Wave. Aug. 20, 1946.

Pat. 2,406,016. Indicating Device. Aug. 20, 1946.

Pat. 2,406,020. Telegraph Signal Enciphering Mechanism. Aug. 20, 1946.

Pat. 2,406,021. Sealed Reed Contact Device. Aug. 20, 1946.

Pat. 2,406,023. Teletypewriter Signal Enciphering System. Aug. 20, 1946.

Pat. 2,406,024. Key Tape Device for Enciphering Telegraph Signals. Aug. 20, 1946.

Pat. 2,406,028. Circuit Makers and Breakers. Aug. 20, 1946.

Pat. 2,406,031. Telegraph Ciphering Key Tape Machine. Aug. 20, 1946.

Pat. 2,406,032. Telegraph Signal Enciphering Mechanism. Aug. 20, 1946.

Pat. 2,406,034. Carrier Wave Signaling System. Aug. 20, 1946.

Pat. 2,406,036. Sealed Contact Device. Aug. 20, 1946.

Pat. 2,406,042. Carrier Telegraph Systems. Aug. 20, 1946.

Pat. 2,406,045. Inductance Device. Aug. 20, 1946.

Pat. 2,406,046. Telegraph Signal Enciphering Key Tape Producing Device. Aug. 20, 1946.

Pat. 2,406,053. Telephone System. Aug. 20, 1946.

Pat. 2,406,347. Speech Privacy Communication. Aug. 27, 1946.

Pat. 2,406,348. Secret Telephony. Aug. 27, 1946.

Pat. 2,406,349. Secret Signaling. Aug. 27, 1946.

Pat. 2,406,350. Switching Mechanism for Signal Systems. Aug. 27, 1946.

Pat. 2,406,351. Speech Privacy System. Aug. 27, 1946.

Pat. 2,406,352. Telephone Privacy. Aug. 27, 1946.

Pat. 2,406,353. Secret Signaling. Aug. 27, 1946.

Pat. 2,406,358. Ground Speed Meter. Aug. 27, 1946.

Pat. 2,406,360. Communication Between Ships. Aug. 27, 1946.

Pat. 2,406,364. Oscillation Generator. Aug. 27, 1946.

Pat. 2,406,382. Indicating System. Aug. 27, 1946.

Pat. 2,406,383. Electrical Terminal. Aug. 27, 1946.

Pat. 2,406,384. Data Transmission System. Aug. 27, 1946.

Pat. 2,406,391. Compressional Wave Directional Prismatic and Focusing System. Aug. 27, 1946.

Pat. 2,406,397. Wire Winding Machine. Aug. 27, 1946.

Pat. 2,406,402. Frequency Adjustment of Resonant Cavities. Aug. 27, 1946.

Pat. 2,406,787. Telegraph System. Sept. 3, 1946.

Pat. 2,406,796. Wave Filter. Sept. 3, 1946.

Pat. 2,406,816. Sound Recording Projectile. Sept. 3, 1946.

Pat. 2,406,825. Privacy System for Speech Transmission. Sept. 3, 1946.

Pat. 2,406,836. Electric Air Position Indicator. Sept. 3, 1946.

Pat. 2,406,846. Winding Machine. Sept. 3, 1946.

Pat. 2,406,850. Electron Discharge Apparatus. Sept. 3, 1946.

Pat. 2,407,238. Carrier Communication System. Sept. 10, 1946.

Pat. 2,407,240. Projecting and Retracting Mechanism for Underwater Signal Sources. Sept. 10, 1946.

Pat. 2,407,241. Monitoring System. Sept. 10, 1946.

Pat. 2,407,251. Resistor. Sept. 10, 1946.

Pat. 2,407,259. Transmission Control in Signaling Systems. Sept. 10, 1946.

Pat. 2,407,260. Privacy Systems. Sept. 10, 1946.

Pat. 2,407,274. Ultra-High Frequency Electronic Device. Sept. 10, 1946.

Pat. 2,407,286. Communication System. Sept. 10, 1946.

Pat. 2,407,288. Resistor Device. Sept. 10, 1946.

Pat. 2,407,293. Frequency Modulation. Sept. 10, 1946.

Pat. 2,407,294. Wave Propagation Device. Sept. 10, 1946.

Pat. 2,407,296. Electric Discharge Apparatus. Sept. 10, 1946.

Pat. 2,407,297. Electron Discharge Apparatus. Sept. 10, 1946.

Pat. 2,407,298. Electron Discharge Apparatus. Sept. 10, 1946.

Pat. 2,407,315. Liquid Medium for Ultrasonic Compressional Wave Transmission. Sept. 10, 1946.

Pat. 2,407,320. Electronic Counter. Sept. 10, 1946.

Pat. 2,407,325. Range Converter. Sept. 10, 1946.

Pat. 2,407,326. Woven-Wire Resistance. Sept. 10, 1946.

Pat. 2,407,353. Coiling Apparatus. Sept. 10, 1946.

Pat. 2,407,542. Distributing Apparatus. Sept. 10, 1946.

Pat. 2,407,649. Direction Finding System. Sept. 17, 1946.

Pat. 2,407,650. Wiper Contact for Electrical Devices. Sept. 17, 1946.

Pat. 2,407,667. Harmonic Generator. Sept. 17, 1946.

Pat. 2,407,678. Thermoelectric System. Sept. 17, 1946.

Pat. 2,407,684. Radio Communication System. Sept. 17, 1946.

Pat. 2,407,690. Wave Guide Electrotherapeutic Systems. Sept. 17, 1946.

Pat. 2,408,032. Coupling Arrangements. Sept. 24, 1946.

Pat. 2,408,033. Coupling Systems. Sept. 24, 1946.

Pat. 2,408,046. Electrical Resistance Unit. Sept. 24, 1946.

Pat. 2,408,072. Telephone Repeater Circuits. Sept. 24, 1946.

Pat. 2,408,074. Teletypewriter Switchboard. Sept. 24, 1946.

Pat. 2,408,081. Artillery Predictor. Sept. 24, 1946.

Pat. 2,408,085. Communication Systems. Sept. 24, 1946.

Pat. 2,408,086. Impulse Systems. Sept. 24, 1946.

Pat. 2,408,092. Wire Wound Resistance and Method of Making the Same. Sept. 24, 1946.

Pat. 2,408,093. Making Wire-Wound Card-Type Resistance Devices. Sept. 24, 1946.

Pat. 2,408,100. Telegraph Permutation Code Signal Translator. Sept. 24, 1946.

Pat. 2,408,108. Television Image Production. Sept. 24, 1946.

Pat. 2,408,299. Selective Signaling System. Sept. 24, 1946.

Pat. 2,408,304. Telegraph Repeater System. Sept. 24, 1946.

Pat. 2,408,316. Adjustment Fixture. Sept. 24, 1946.

Pat. 2,408,409. Ultra-High Frequency Electronic Devices. Oct. 1, 1946.

Pat. 2,408,410. Frequency Converter. Oct. 1, 1946.

Pat. 2,408,423. High Frequency Amplifying Apparatus. Oct. 1, 1946.

Pat. 2,408,432. Telephone System. Oct. 1, 1946.

Pat. 2,408,433. Telephone Systems. Oct. 1, 1946.

Pat. 2,408,435. Pipe Antenna and Prism. Oct. 1, 1946.

Pat. 2,408,436. Multiplex Compressional Wave Systems. Oct. 1, 1946.

Pat. 2,408,437. Harmonic Generating System. Oct. 1, 1946.

Pat. 2,408,462. Telephone Systems. Oct. 1, 1946.

Pat. 2,408,755. Latching Mechanism. Oct. 8, 1946.

Pat. 2,408,773. Position Determining System. Oct. 8, 1946.

Pat. 2,408,794. Carrier Wave Signal System. Oct. 8, 1946.

Pat. 2,408,809. Cathode Beam Tube and Velocity Control Electrode. Oct. 8, 1946.

Pat. 2,408,843. Electrical Connector. Oct. 8, 1946.

Pat. 2,409,102. Guiding Means. Oct. 8, 1946.

Pat. 2,409,142. Molding Apparatus. Oct. 8, 1946.

Pat. 2,409,147. Forming and Assembling Articles. Oct. 8, 1946.

Pat. 2,409,151. Electrical Regulating Devices. Oct. 8, 1946.

Pat. 2,409,160. Work Supports. Oct. 8, 1946.

Pat. 2,409,179. Electron Beam Relay. Oct. 15, 1946.

Pat. 2,409,183. Microwave Antennas. Oct. 15, 1946.

Pat. 2,409,222. Electron Discharge Devices. Oct. 15, 1946.

Pat. 2,409,224. Oscillator. Oct. 15, 1946.

Pat. 2,409,227. Ultra-High Frequency Electronic Device. Oct. 15, 1946.

Pat. 2,409,289. Plug Separator. Oct. 15, 1946.

Pat. 2,409,484. Supporting Apparatus. Oct. 15, 1946.

Pat. 2,409,518. Carrier Structures. Oct. 15, 1946.

Pat. 2,409,608. Ultra-High Frequency Detector. Oct. 22, 1946.

Pat. 2,409,615. Soldering. Oct. 22, 1946.

Pat. 2,409,617. Signal Distributor. Oct. 22, 1946.

Pat. 2,409,620. Oscillation Generator. Oct. 22, 1946.

Pat. 2,409,632. Guiding Means for Self-Propelled Torpedoes. Oct. 22, 1946.

Pat. 2,409,636. Welding Machine. Oct. 22, 1946.

Pat. 2,409,644. Electron Discharge Apparatus. Oct. 22, 1946.

Pat. 2,409,670. Strand Forming Apparatus. Oct. 22, 1946.

Pat. 2,409,953. Material Treating Apparatus. Oct. 22, 1946.

Pat. 2,409,961. Fault Detector and Automatic Stop Device for Textile Machines. Oct. 22, 1946.

Pat. 2,410,073. Polyesters. Oct. 29, 1946.

Pat. 2,410,076. Negative Impedance Circuit. Oct. 29, 1946.

Pat. 2,410,080. High-Frequency Apparatus. Oct. 29, 1946.

Pat. 2,410,109. Variable Cavity Resonator. Oct. 29, 1946.

Pat. 2,410,114. Coupling Arrangement for Use in Wave Transmission Systems. Oct. 29, 1946.

Pat. 2,410,432. Switching Mechanism. Nov. 5, 1946.

Pat. 2,410,434. Telephones. Nov. 5, 1946.

Pat. 2,410,446. Pulsing System. Nov. 5, 1946.

Pat. 2,410,521. Tape Feed Alarm. Nov. 5, 1946.

Pat. 2,410,621. Optical Quarts Crystal Testing Apparatus. Nov. 5, 1946.

Pat. 2,410,665. Assembling Articles. Nov. 5, 1946.

Pat. 2,410,681. Containers. Nov. 5, 1946.

Pat. 2,410,691. Electrical Connectors. Nov. 5, 1946.

Pat. 2,410,805. Vibration Detector. Nov. 12, 1946.

Pat. 2,410,802. Concentric Conductor Transmission Line. Nov. 12, 1946.

Pat. 2,410,806. Submarine Signal Detector. Nov. 12, 1946.

Pat. 2,410,809. Telegraph Signal Distortion Measuring Circuit. Nov. 12, 1946.

Pat. 2,410,825. Piezoelectric Crystal Apparatus. Nov. 12, 1946.

Pat. 2,410,833. Call Transmitter. Nov. 12, 1946.

Pat. 2,410,838. Coupling System. Nov. 12, 1946.

Pat. 2,410,840. Electron Beam Modulator. Nov. 12, 1946.

Pat. 2,410,841. Tuning Arrangements. Nov. 12, 1946.

Pat. 2,410,896. Metal Cutting Tool. Nov. 12, 1946.

Pat. 2,411,151. Output Coupling for High-Frequency Oscillator. Nov. 19, 1946.

Pat. 2,411,191. Dial Selective Calling System. Nov. 19, 1946.

Pat. 2,411,254. Molding Device. Nov. 19, 1946.

Pat. 2,411,531. Electro-Optical Control System. Nov. 26, 1946.

Pat. 2,411,534. Impedance Transformer. Nov. 26, 1946.

Pat. 2,411,537. Submarine Signaling System. Nov. 26, 1946.

Pat. 2,411,548. Electron Discharge Devices. Nov. 26, 1946.

Pat. 2,411,551. Radiating System. Nov. 26, 1946.

Pat. 2,411,724. Making Tubular Abrasive Bodies. Nov. 26, 1946.

Pat. 2,411,783. Multi-Terminal Structure. Nov. 26, 1946.

Pat. 2,411,794. Recorder Control Mechanism. Nov. 26, 1946.

Pat. 2,411,865. Submarine Signaling Device. Dec. 3, 1946.

Pat. 2,411,872. Micro Wave Directive Antennas. Dec. 3, 1946.

Pat. 2,411,898. Pulse Generator. Dec. 3, 1946.

Pat. 2,411,903. Transmission Characteristic Correction. Dec. 3, 1946.

Pat. 2,411,912. Electron Discharge Device. Dec. 3, 1946.

Pat. 2,411,913. Electron Discharge Devices. Dec. 3, 1946.

Pat. 2,412,066. Shearing Apparatus. Dec. 3, 1946.

Pat. 2,412,196. Stranded Cables. Dec. 10, 1946.

Pat. 2,412,198. Telegraph Switching System. Dec. 10, 1946.

Pat. 2,412,202. Directive Radio System. Dec. 10, 1946.

Pat. 2,412,210. Cathode Ray Sweep Circuit. Dec. 10, 1946.

Pat. 2,412,227. Electrical Differentiator. Dec. 10, 1946.

Pat. 2,412,231. Electronic Tube Testing Apparatus. Dec. 10, 1946.

Pat. 2,412,278. Article Feeding Apparatus. Dec. 10, 1946.

Pat. 2,412,306. Lapping Apparatus. Dec. 10, 1946.

Pat. 2,412,458. Tool Guiding Fixtures. Dec. 10, 1946.

Pat. 2,412,459. Tool Guiding Fixtures. Dec. 10, 1946.

Pat. 2,412,609. High-Voltage Transformer. Dec. 17, 1946.

Pat. 2,412,610. Audible Signaling Devices. Dec. 17, 1946.

Pat. 2,412,619. Contoured Electrical Resistance Cards. Dec. 17, 1946.

Pat. 2,412,624. Telephone Call Transmitter. Dec. 17, 1946.

Pat. 2,412,625. Telephone Call Transmitter. Dec. 17, 1946.

Pat. 2,412,626. Ice Detecting System for Aircraft. Dec. 17, 1946.

Pat. 2,412,642. Electronic Telegraph Transmitter Distributor. Dec. 17, 1946.

Pat. 2,412,644. Manufacturing Coated Articles. Dec. 17, 1946.

Pat. 2,412,665. Measuring Apparatus. Dec. 17, 1946.

Pat. 2,412,668. Magnetic Body. Dec. 17, 1946.

Pat. 2,412,671. Molding Apparatus. Dec. 17, 1946.

Pat. 2,412,955. Telegraph Switching System. Dec. 24, 1946.

Pat. 2,412,968. Relay. Dec. 24, 1946.

Pat. 2,413,001. Communication Systems. Dec. 24, 1946.

Pat. 2,413,026. Cathode Ray Indicating Device. Dec. 24, 1946.

Pat. 2,413,033. Voltage Regulated Rectifying Systems. Dec. 24, 1946.

Pat. 2,413,410. Contact Fixture. Dec. 31, 1946.

Pat. 2,413,688. Hub-Type Telegraph Repeater Concentration Group Signaling. Jan. 7, 1947.

Pat. 2,413,689. Electron Discharge Devices. Jan. 7, 1947.

Pat. 2,413,708. Telephone Systems. Jan. 7, 1947.

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Pat. 2,413,725. Electron Discharge Device. Jan. 7, 1947.

Pat. 2,413,731. Electron Discharge Devices. Jan. 7, 1947.

Pat. 2,413,738. Electron Discharge Devices. Jan. 7, 1947.

Pat. 2,413,741. Telegraph Switching Systems. Jan. 7, 1947.

Pat. 2,413,980. Shearing Apparatus. Jan. 7, 1947.

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Pat. 2,414,084. Tunable Resonator and Oscillator. Jan. 14, 1947.

Pat. 2,414,085. Oscillator. Jan. 14, 1947.

Pat. 2,414,096. Scanning System. Jan. 14, 1947.

Pat. 2,414,099. Space Discharge Device. Jan. 14, 1947.

Pat. 2,414,115. Wave Filter. Jan. 14, 1947.

Pat. 2,414,121. Electron Devices of the Magnetron Type. Jan. 14, 1947.

Pat. 2,414,122. Voltage Regulation. Jan. 14, 1947.

Pat. 2,414,123. Hydrophone Selecting System. Jan. 14, 1947.

Pat. 2,414,242. Voltage Regulation. Jan. 14, 1947.

Pat. 2,414,342. Switching Device. Jan. 14, 1947.

Pat. 2,414,443. Time Measuring Device. Jan. 21, 1947.

Pat. 2,414,449. Depth Control Device. Jan. 21, 1947.

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Pat. 2,414,476. Relay. Jan. 21, 1947.

Pat. 2,414,477. Indicating Apparatus. Jan. 21, 1947.

Pat. 2,414,479. Impulse Generator. Jan. 21, 1947.

Pat. 2,414,486. Sweep Control Circuits. Jan. 21, 1947.

Pat. 2,414,488. Heat Responsive Communication Signal Repeater. Jan. 21, 1947.

Pat. 2,414,500. Electron Discharge Devices. Jan. 21, 1947.

Pat. 2,414,669. Electrical Testing System. Jan. 21, 1947.

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Pat. 2,418,461. Resistor. Apr. 8, 1947.

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Pat. 2,422,655. Time Measuring System. June 24, 1947.

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Pat. 2,422,903. Electrolytically Treating Stainless Steel Articles. June 24, 1947.

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ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 511,672. EDWIN CHARLES CARBERRY, doing business as Carberry Chemical Company, Pawtucket, R. I. Filed Oct. 29, 1946.

CAL SHEEN

Exclusive use of the word "Sheen" is disclaimed apart from the mark.

FOR SPECIAL READY-MIXED PAINT FOR WALLS AND CEILINGS.

Claims use since Sept. 15, 1945.

CLASS 19

VEHICLES

Ser. No. 515,947. FABBRICA AUTOMOBILI E VELOCIPEDI EDOARDO BIANCHI, Milan, Italy. Filed Jan. 16, 1947.



The name "Edoardo Bianchi" appearing on the drawing is the name of the deceased founder of the applicant company. No claim is made to the exclusive use of the name "Edoardo Bianchi" apart from the mark as shown.

FOR BICYCLES AND MOTOR CYCLES.

Claims use since June 20, 1921.

Ser. No. 519,219. THE RALEIGH CYCLE COMPANY LIMITED, Nottingham, England. Filed Mar. 18, 1947.



Exclusive use of the words "Nottingham England" is disclaimed except in conjunction with other features of the mark. The words "Robin Hood" and the picture of the archer represent a legendary medieval hero of England.

FOR BICYCLES AND STRUCTURAL PARTS THEREOF.

Claims use since 1945.

Ser. No. 520,731. THE LEHON COMPANY, Chicago, Ill. Filed Apr. 15, 1947.

MULE-HIDE

FOR AUTOMOBILE FLOOR COVERS AND RUNNING BOARD COVERS, AUTOMOBILE RADIATOR COVERS, CAB CURTAINS FOR LOCOMOTIVE CABS, CURTAINS FOR INSPECTION CARS USED ON RAILROADS BY TRACK MAINTENANCE OFFICERS, ROOFS FOR RAILWAY CARS, ROOFS FOR TRAILERS AND TRAILER TRUCKS, SOUND DEADENER FELT FOR AUTOMOBILES— NAMELY, CUT TO FIT AND READY FOR APPLICATION PIECES OF SOUND DEADENER FELT FOR USE ON FLOORS OF AUTOMOBILES.

Claims use since September 1908.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 499,583. TECHNICAL SERVICE COMPANY, Tulsa, Okla. Filed Apr. 3, 1946. Under act of Feb. 20, 1905, as amended June 10, 1938.



The illustration or representation of the electric lamp is disclaimed.
FOR ELECTRICALLY OPERATED PORTABLE SLIDE VIEWER, WHEREIN THE VIEW IS MAGNIFIED, AND CAPABLE OF BEING USED ON A DESK.
Claims use since February 1944.

Ser. No. 524,650. GEVAERT PHOTO PRODUCTEN, Septestraat 27, Oude-God, near Antwerp, Belgium. Filed June 23, 1947.

TANNEX

FOR SENSITIZED PHOTOGRAPHIC PLATES FOR MAKING PRINTING PLATES.
Claims use since Apr. 2, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 524,412. MARIUS DEN OUTER, Rotterdam, Holland. Filed June 18, 1947.

Denocard

FOR CARD INDEX FILES, CARD HOLDERS, AND CARD BOXES MADE OF CARD BOARD AND FIBRE BOARD, AND LOOSE LEAF BLANK BOOKS AND FILING INDEXES.
Claims use since Jan. 18, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 571,714. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y. Filed Jan. 6, 1949.

PARACRIL

FOR SYNTHETIC RUBBER AND RUBBER-LIKE MATERIALS.
Claims use since Nov. 4, 1948.

Ser. No. 575,134. FERRY-MORSE SEED CO., Detroit, Mich. Filed Mar. 9, 1949. Under section 2f of the act of 1946 as to "Ferry."

FERRYCOAT

FOR COATED SEEDS—NAMELY, VEGETABLE, FLOWER, AND GRASS SEEDS.
Claims use since Feb. 10, 1949, as to the mark as shown; 1867 as to the word "Ferry."

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 554,820. I. SMALLMAN & SONS, Patterson, N. J., and New York, N. Y. Filed Apr. 16, 1948.

"SLACKETTE"

FOR BILLFOLDS, WALLETS, EMPTY COSMETIC KITS.
Claims use since Jan. 6, 1948.

Ser. No. 570,152. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.



FOR HAND BAGS, KNITTED BAGS, BILLFOLDS, POCKETBOOKS, KEY CASES, BRIEF CASES, PORTFOLIOS, FITTED CASES, TOILET CASES, PICNIC KITS, FITTED OR UNFITTED, MADE IN WHOLE OR IN PART OF LEATHER, LEATHERETTE, WICKER, CANVAS, OR WOOD, LEASHES, LEADS, HARNESSES, AND COLLARS INTENDED FOR HOUSEHOLD PETS, ANIMAL SHOES, TRUNKS, AND CANVAS AND LEATHER TRAVELING BAGS.
Claims use since 1915.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 558,339. AMUROL PRODUCTS COMPANY, Chicago, Ill. Filed June 3, 1948.

Amurol

The drawing is lined for the color blue.
FOR DENTIFRICES IN POWDER FORM.
Claims use since Feb. 16, 1947.

Ser. No. 563,023. R. P. SCHERER CORPORATION, Detroit, Mich. Filed Aug. 7, 1948.

G P

FOR CAPSULATED VITAMIN PREPARATIONS FOR HUMAN AND OTHER ANIMAL USE, INCLUDING SINGLE VITAMIN, MULTI-VITAMIN, AND VITAMIN AND MINERAL PREPARATIONS; CAPSULATED DRUGS AND MEDICINAL PREPARATIONS AND MIXTURES FOR HUMAN AND OTHER ANIMAL USE; CAPSULATED CREAMS, SALVES, LOTIONS, AND OINTMENTS FOR HUMAN AND OTHER ANIMAL USE; CAPSULATED TOILET AND COSMETIC PREPARATIONS AND MIXTURES; CAPSULATED DISINFECTING, DEODORIZING, STERILIZING, AND PURIFYING PREPARATIONS; CAPSULATED INSECTICIDES, GERMICIDES, FUNGICIDES, AND INSECT REPELLANTS; AND CAPSULATED CHEMICAL MATERIALS, COMPOSITIONS, AND MIXTURES.
Claims use since October 1933.

Ser. No. 566,246. DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed Oct. 1, 1948.

Sulquin

FOR LIQUID AND SOLID PREPARATIONS FOR THE TREATMENT AND CONTROL OF COCCIDIOSIS AND FOWL CHOLERA IN CHICK FLOCKS, AND FOR OTHER INTERNAL AND EXTERNAL REMEDIES IN THE TREATMENT OF BIRD AND POULTRY DISEASES.
Claims use since Aug. 4, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 494,897. DELTA COLOR CORPORATION, New York, N. Y. Original filed, act of 1905, Feb. 19, 1946; amended to application under act of 1946, Principal Register, July 30, 1947.

DELTA

The representation of the brush is disclaimed apart from the mark. The lining is for shading purposes only.
FOR READY MIXED WATER SHOW CARD COLOR.
Claims use since December 1945.

Ser. No. 526,563. INTERCHEMICAL CORPORATION, New York, N. Y. Filed July 5, 1947.

FLEXOPRENE

Applicant claims ownership of Registration No. 364,291.
FOR EMULSIFIED COMPOSITION RESEMBLING PAINT FOR COATING CLOTH TO MAKE A PRODUCT RESEMBLING OILCLOTH.
Claims use since June 4, 1947.

Ser. No. 531,114. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

Applicant claims ownership of Registration No. 141,756.
FOR SYNTHETIC ENAMELS, VARNISH, AND LIQUID POLISH AND CLEANER FOR USE ON MOTORCYCLES AND OTHER ENAMELED SURFACES.
Claims use since Dec. 1, 1911.

Ser. No. 539,787. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

TAVERN

FOR READY MIXED HOUSE PAINT.
Claims use since 1932.

Ser. No. 543,154. ELMORE PAINT CO., Mount Pleasant, Mich. Filed Dec. 3, 1947.

TURP-O-LENE

FOR THINNER FOR PAINT, ENAMELS, VARNISHES, FILLER, AND STAINS.
Claims use since Apr. 1, 1947.

Ser. No. 547,537. E. H. & A. C. FRIEDRICHS CO., New York, N. Y. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

CAMBRIDGE

Applicant claims ownership of Registration No. 195,278.
FOR ARTISTS' OIL AND WATER COLORS, AND ARTISTS' VARNISHES AND MEDIUMS.
Claims use since October 1928.

Ser. No. 561,558. E Z PAINTR CORPORATION, Fond du Lac, Wis. Filed July 16, 1948.

BRUX

FOR PREPARATION IN LIQUID FORM FOR CLEANING PAINT BRUSHES AND FOR THE REMOVAL OF UNDRIED PAINT.
Claims use since June 25, 1948.

Ser. No. 562,360. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed July 28, 1948.

Golden Key

Applicant claims ownership of Registration No. 244,994.
FOR LIQUID POLISHING WAX FOR USE ON WOOD, LINOLEUM, TERRAZZO, RUBBER, AND COMPOSITION FLOORS AND PAINTED SURFACES.
Claims use since Dec. 15, 1934.

Ser. No. 564,496. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y. Filed Aug. 31, 1948. Under section 2f of the act of 1946.

WOOLSEY'S BEST



Applicant claims ownership of Registrations Nos. 69,989, 151,290, 164,834, 400,201, and 400,649.
FOR COPPER PAINT.
Claims use since July 1, 1941.

Ser. No. 567,632. GILMAN PAINT AND VARNISH COMPANY, Chattanooga, Tenn. Filed Oct. 26, 1948.

STAYLASTIC

FOR PAINT, IN PASTE, SEMI-PASTE, AND LIQUID FORM.
Claims use since May 18, 1929.

Ser. No. 568,771. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y. Filed Nov. 13, 1948.

CAWSPAR

FOR VARNISHES.
Claims use since 1926.

CLASS 17

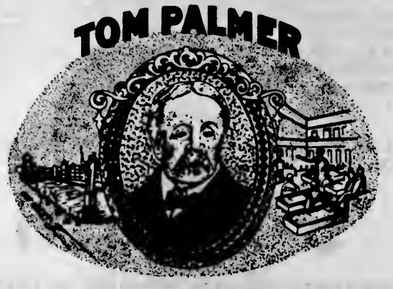
TOBACCO PRODUCTS

Ser. No. 525,447. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. Under section 2f of the act of 1946.



The drawing is lined to indicate the color red.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 542,120. GRADIAS, ANNIS & CO., INC., Tampa, Fla. Filed Nov. 24, 1947.



The name and the portrait, which is an artist's conception, is that of a former United States Senator from Michigan, now deceased.
FOR CIGARS.
Claims use since January 1914.

Ser. No. 557,588. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed May 22, 1948.



"Mild and Juicy"

The words "Mild" and "Juicy" are disclaimed. The drawing is lined for yellow and red. Applicant claims ownership of Registration No. 233,666.
FOR SMOKING AND CHEWING TOBACCO.
Claims use since Apr. 14, 1948.

CLASS 19

VEHICLES

Ser. No. 525,280. AUTO TRUNK DISTRIBUTORS, INC., Brooklyn, N Y. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Nov. 10, 1948.

AGIDCRAFT

FOR AUTOMOBILE SEAT COVERS AND CANVAS TOPS FOR CONVERTIBLE AUTOMOBILES.
Claims use since June 15, 1943.

Ser. No. 531,116. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

Applicant claims ownership of Registrations Nos. 135,864, 264,302, and 271,164.
FOR MOTORCYCLES, SIDE-CARS, AND THREE-WHEELED SERVICE AND DELIVERY VEHICLES.
Claims use since June 1906.

Ser. No. 531,594. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 16, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 271,164.
The words "Motor Cycles" are disclaimed apart from the mark as shown.
FOR MOTORCYCLES, SIDE-CARS, AND THREE-WHEELED SERVICE AND DELIVERY VEHICLES.
Claims use since May 6, 1910.

Ser. No. 541,106. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Nov. 14, 1947.

GMD

FOR VEHICLE HEATERS.
Claims use since 1937.

Ser. No. 541,162. HENRY MODELL & CO., INC., New York, N. Y. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

Modell's

FOR BICYCLES.
Claims use since 1916.

Ser. No. 543,553. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Dec. 5, 1947.

CRESCENT

FOR BICYCLES.
Claims use since 1896.

Ser. No. 547,971. CHURCH MANUFACTURING COMPANY, INC., Middlebury, Ind. Filed Jan. 26, 1948.

-Mid Kraft-

For purposes of registration, applicant disclaims the word "Kraft" apart from the mark as shown and insofar as it is applied to boats.
FOR HOUSE TRAILERS; AND FISHING, SPEED, AND SMALL PLEASURE BOATS.
Claims use since May 1, 1947.

Ser. No. 551,388. LA PLANT-CHOATE MANUFACTURING CO., INC., Cedar Rapids, Iowa. Filed Mar. 6, 1948. Under section 2f of the act of 1946.

LAPLANT CHOATE

FOR WAGONS OF THE LARGE DUMP TYPE.
Claims use since May 3, 1937.

Ser. No. 551,409. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 6, 1948.

HONEYSUCKLE

FOR BABY CARRIAGES AND STROLLERS.
Claims use since Jan. 15, 1946.

Ser. No. 554,444. TWIN COACH COMPANY, Kent, Ohio. Filed Apr. 12, 1948. Under section 2f of the act of 1946.

TWIN COACH

The word "Coach" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 255,605.
FOR AUTOMOTIVE VEHICLES—NAMELY, PASSENGER BUSES.
Claims use since Jan. 1, 1927.

Ser. No. 555,137. SHAYLOW COMPANY, Los Angeles, Calif. Filed Apr. 19, 1948.

"The One Wheel Shay"

The words "One Wheel" are disclaimed apart from their use in the mark.
FOR WHEELBARROWS.
Claims use since Dec. 20, 1947.

Ser. No. 556,981. J. B. E. OLSON CORPORATION, Brooklyn, N. Y. Filed May 13, 1948.

KURB SIDE

FOR ALUMINUM TRUCK BODIES.
Claims use since Nov. 20, 1947.

Ser. No. 561,320. MAGNETOS LUCIFER SOCIETE ANONYME, Geneva, Switzerland. Filed July 14, 1948.

TECADO

Applicant claims ownership of Swiss Registration No. 109,537, dated Feb. 3, 1945.
FOR ACCESSORIES FOR BICYCLES AND MOTORCYCLES—NAMELY, BRAKES, HUBS, CHANGE-SPEED GEARS, SADDLE SEATS, LUGGAGE RACKS, HEADLIGHT BRACKETS, REAR LIGHTS, FRAMES FOR BICYCLES OR MOTORCYCLES.

Ser. No. 562,559. JOHN KOERNER SONS, INC., Brooklyn, N. Y. Filed July 30, 1948.

PARCELETTE

FOR AUTOMOTIVE TRUCK BODIES.
Claims use since Apr. 3, 1948.

Ser. No. 565,497. PAUL W. HAINKE, doing business as Hainke Sales and Distributing Company, Hutchinson, Kans. Filed Sept. 20, 1948.

SAFE-EYE

The word "Safe" is disclaimed apart from the mark shown.
FOR AUTOMOBILE HEAD LAMPS HAVING MECHANISM ASSOCIATED THEREWITH FOR SHIFTING THE SAME SIMULTANEOUSLY WITH THE STEERING MECHANISM OF THE AUTOMOBILE UPON WHICH THE LAMP IS MOUNTED.
Claims use since Sept. 3, 1948.

Ser. No. 566,738. ALLEN PRODUCTS CORPORATION, Detroit, Mich. Filed Oct. 9, 1948.

APC

FOR AUTOMOBILE ACCESSORIES—NAMELY, FENDER SCUFF PLATES, AND GASOLINE DOOR GUARDS.
Claims use since Sept. 1, 1947.

Ser. No. 566,847. AJAX MANUFACTURING CORPORATION, Detroit, Mich. Filed Oct. 12, 1948.



FOR MOTOR VEHICLE ACCESSORIES AND REPLACEMENT PARTS FOR SAME—NAMELY, SIDE VIEW AND REAR VIEW MIRRORS, AND HOOD ORNAMENTS.
Claims use since Apr. 14, 1948.

Ser. No. 568,563. ARNOLD, SCHWINN & Co., Chicago, Ill. Filed Nov. 12, 1948. Under section 2f of the act of 1946.

Henderson

Applicant claims ownership of Registration No. 371,082.
FOR BICYCLES.
Claims use since July 1, 1917.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 506,643. THE CLARKE SANDING MACHINE COMPANY, Muskegon, Mich. Original filed, act of 1905, Aug. 1, 1946; amended to application under act of 1946, Principal Register, Sept. 17, 1948. Under section 2f of the act of 1946.

Clarke

FOR ELECTRICAL APPARATUS—NAMELY, SANDING MACHINES, FLOOR POLISHERS, EDGING MACHINES, AND PARTS THEREOF.
Claims use since Oct. 6, 1944.

Ser. No. 521,093. F. A. SMITH MANUFACTURING CO., INC., Rochester, N. Y. Original filed, act of 1905, Apr. 21, 1947; amended to application under act of 1946, Principal Register, Aug. 18, 1947.

FASCO

FOR ELECTRICAL APPARATUS—NAMELY, ELECTRIC MOTORS, SMALL NON-MAGNETIC AND AUTOMOTIVE ELECTRIC SWITCHES, SMALL AUTOMOTIVE FLUID OPERATED SWITCHES, AND CIRCULATING FANS.
Claims use since Mar. 24, 1947.

Ser. No. 521,214. SENTINEL RADIO CORPORATION, Evanston, Ill. Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Mar. 7, 1949.

Playmatic

FOR RADIO-PHONOGRAPH COMBINATIONS AND ELECTRIC PHONOGRAPHS, AND PARTS THEREOF.
Claims use since Apr. 12, 1947.

Ser. No. 522,350. BELL & GOSSETT COMPANY, Morton Grove, Ill. Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, Aug. 15, 1947.



FOR ELECTRICALLY OPERATED MOTORIZED VALVES, COMBINATION ELECTRICALLY OPERATED MOTORIZED VALVES AND ELECTRICAL TEMPERATURE CONTROLS THEREFOR, AND RELAYS WITH BUILT-IN TRANSFORMERS.
Claims use since July 1, 1930.

Ser. No. 537,603. MANNING, MAXWELL & MOORE, INC., New York, N. Y. Filed Oct. 11, 1947. Under section 2f of the act of 1946.

SHAW-BOX

FOR ELECTRICALLY DRIVEN HOISTS AND TRAVELLING CRANES.
Claims use since Sept. 20, 1932.

Ser. No. 549,417. BULLDOG ELECTRIC PRODUCTS CO., Detroit, Mich. Filed Feb. 11, 1948. Under section 2f of the act of 1946.

Electrostrip

"Electro" is disclaimed apart from the mark as shown.
FOR ELECTRICAL CONDUIT.
Claims use since Jan. 1, 1941.

Ser. No. 554,699. PATRICK AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Apr. 15, 1948.



The lining is representative of a red-orange color. The word "Lite" is disclaimed.

FOR STORAGE BATTERY.

Claims use since Jan. 17, 1948.

Ser. No. 557,884. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill. Filed May 27, 1948.

AUTOMATIC ELECTRIC

No claim is made to the exclusive use of the words "Automatic Electric" except in the relation and association in which they appear in the mark.

FOR TELEPHONE SWITCHING EQUIPMENT AND APPARATUS AND PARTS THEREOF FOR USE IN TELEPHONE AND SIGNALLING SYSTEMS.

Claims use since June 7, 1946.

Ser. No. 558,908. MILLER ELECTRIC MANUFACTURING CO., Appleton, Wis. Filed June 10, 1948.

Hobby Arc

The word "Arc" is disclaimed apart from the balance of the mark as shown.

FOR ELECTRIC WELDING APPARATUS.

Claims use since Apr. 8, 1948.

Ser. No. 558,976. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed June 7, 1948. Under section 2f of the act of 1946 as to "Phillips."



The lining shown shows a shield outline in green and the background of the top portion of the shield in black with the word "Phillips" in green thereon, while the background of the bottom portion of the shield is shown in green with the word "Unique" shown in black. Applicant claims ownership of Registrations Nos. 401,734 and 424,841.

FOR STORAGE BATTERIES.

Claims use since Sept. 20, 1940.

Ser. No. 559,591. DURO-TEST CORPORATION, North Bergen, N. J., and elsewhere in the United States. Filed June 18, 1948.



The term "Candellite" and the word "Test" are disclaimed apart from the mark as shown.

FOR FLUORESCENT LAMP TUBES.

Claims use since May 24, 1948.

Ser. No. 559,694. FIRST INDUSTRIAL CORPORATION, Freeport, Ill. Filed June 19, 1948.

MICROTRIP

FOR ELECTRICALLY OPERATED INTERLOCKS FOR POWER CONSUMING APPARATUS SUCH AS SAFETY CONTROLLERS FOR PUNCH PRESSES, PRINTING PRESSES, AND THE LIKE.

Claims use since Jan. 15, 1948.

Ser. No. 559,749. TRANSFORMER ENGINEERING CORPORATION, Cleveland, Ohio. Filed June 19, 1948.

TRENCO

Applicant claims ownership of Registration No. 416,436.

FOR ELECTRICAL APPARATUS—NAMELY, TRANSFORMERS, BALLASTS, REACTORS, CHOKES, MAGNETIC COILS, AND VOLTAGE REGULATORS.

Claims use since Aug. 22, 1940.

Ser. No. 560,256. WILBUR B. DRIVER COMPANY, Newark, N. J. Filed June 26, 1948.

TOPHET FOR TOP HEAT

No rights to registration of the words "For Top Heat" are claimed apart from the mark as shown. Applicant claims ownership of Registration No. 297,735.

FOR ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS ALLOYS FOR ELECTRICAL RESISTANCE USE.

Claims use since Mar. 10, 1948.

Ser. No. 560,443. BROADCASTERS' GUILD, INC., Kansas City, Mo., and Hollywood, Calif. Filed June 30, 1948.



FOR MAGNETIC SOUND RECORDS OF THE DISC, TAPE, WIRE, AND FILM TYPE FOR RADIO BROADCASTING.

Claims use since Apr. 22, 1947.

Ser. No. 561,870. AIRBORNE ACCESSORIES CORPORATION, Hillside, N. J. Filed July 22, 1948.

ROTORAC

FOR ELECTRO-MECHANICAL APPARATUS IN THE NATURE OF A ROTARY ACTUATOR FOR OPERATING SCREW-JACKS, GEARS, SPROCKETS, OR SIMILAR MECHANISMS ON AIRCRAFT.

Claims use since May 4, 1948.

Ser. No. 561,952. STROMBERG-CARLSON COMPANY, Rochester, N. Y. Filed July 22, 1948.

MANDARIN

FOR RADIO AND TELEVISION RECEIVING SETS.

Claims use since Apr. 5, 1948.

Ser. No. 562,297. ACORN INSULATED WIRE COMPANY, INC., Brooklyn, N. Y. Filed July 28, 1948.



FOR INSULATED ELECTRIC WIRE AND CABLE.

Claims use since 1914.

Ser. No. 562,305. BANTAM-LITE, INC., New York, N. Y. Filed July 28, 1948.

bantamlite

Applicant claims ownership of Registration No. 439,501.

FOR POCKET ELECTRIC FLASHLIGHTS.

Claims use since June 6, 1945.

Ser. No. 562,783. R. H. KINGSTON, JR., doing business as Kingston Products Co., New York, N. Y. Filed Aug. 4, 1948.

DecArt

FOR SWITCH WALL PLATES.

Claims use since July 22, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 480,833. MISSION MANUFACTURING COMPANY, Houston, Tex. Original filed, act of 1905, Mar. 12, 1945; amended to application under act of 1946, Principal Register, Mar. 8, 1948.



FOR PUMPS, VALVES, AND PARTS THEREOF.

Claims use since May 2, 1939.

Ser. No. 535,140. DRINCOLATOR CORPORATION, New York, N. Y. Filed Sept. 3, 1947.

DRINCOLATOR

FOR ELECTRICALLY OPERATED BEVERAGE VENDING AND DISPENSING MACHINES, BOTH COIN-CONTROLLED AND MANUALLY CONTROLLED.
Claims use since May 21, 1947.

Ser. No. 533,853. HUBERT DUSSERRE, Heusy-Verviers, Belgium. Filed Sept. 9, 1947.

PERALTA

Applicant claims ownership of Belgian Registration No. 1,824, dated Oct. 14, 1946.
FOR MACHINERY USED IN THE TEXTILE INDUSTRY—NAMELY, CRUSHING APPARATUS FOR BREAKING UP FOREIGN BODIES IN THE WEB AS PRODUCED ON CARDING MACHINES, AND PARTS THEREOF.

Ser. No. 534,621. GEORGE LEGENDARY BLADES, Portland, Oreg. Filed Sept. 16, 1947.

LEGENDARY BLADES

The word "Blades" is disclaimed apart from the mark as shown.
FOR CARVING KNIVES, CARVING FORKS, BONING KNIVES, STEAK KNIVES, AND RELATED TABLE AND KITCHEN CUTLERY.
Claims use since December 1946.

Ser. No. 535,590. NEW HAVEN VIBRATOR COMPANY, New Haven, Conn. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

BRANFORD

FOR BLOWGUNS, AND BLOWGUNS AND SPRAYER NOZZLES THEREFOR, AS A UNIT.
Claims use since 1936.

Ser. No. 545,877. ORDNANCE GAUGE COMPANY, Philadelphia, Pa. Filed Dec. 31, 1947.

PIONEER

FOR WIRE STITCHING MACHINES.
Claims use since Dec. 23, 1947.

Ser. No. 547,049. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

"LAKIN"

Applicant claims ownership of Registration No. 161,909.
FOR HICKEYS FOR BENDING IRONS FOR PIPES, ELECTRICAL CONDUITS, ETC.
Claims use since Sept. 1, 1906.

Ser. No. 547,964. CHARLES H. BESLY AND COMPANY, Chicago, Ill. Filed Jan. 26, 1948. Under section 2f of the act of 1946.

BESLY

FOR INDUSTRIAL GRINDERS.
Claims use since 1928.

Ser. No. 551,208. HARRY F. THORPE, Cheshire, Conn. Filed Mar. 4, 1948. Under section 2f of the act of 1946.

THORPE

The representation of a rolling pin is disclaimed.
FOR ROLLING PINS.
Claims use since February 1938.

Ser. No. 551,367. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 6, 1948.

RANGER

FOR POWER-DRIVEN AND MANUALLY OPERATED LAWNMOWERS.
Claims use since Apr. 1, 1932.

Ser. No. 551,613. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 10, 1948. Under section 2f of the act of 1946.

GREENKEEPER

FOR LAWNMOWERS.
Claims use since Apr. 1, 1936.

Ser. No. 552,578. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 20, 1948.

CHALLENGE

FOR LAWNMOWERS, AND ENAMELED AND ALUMINUM LADLES FOR GENERAL KITCHEN USE.
Claims use since May 1, 1940.

Ser. No. 552,768. GREENE, TWEED & Co., North Wales, Pa. Filed Mar. 23, 1948.

EMPIRE

FOR MALLETS AND SPRING WINDERS.
Claims use since 1894.

Ser. No. 554,446. UNITED ASSOCIATES, INC., Jersey Shore, Pa. Filed Apr. 12, 1948.

"Wiseacre Tractor"

No claim is made to the word "Tractor" apart from the mark as shown.
FOR FARM TRACTORS.
Claims use since July 15, 1946.

Ser. No. 554,764. THE CAMPBELL-HAUSFELD CO., Harrison, Ohio. Filed Apr. 16, 1948.

PRESSURE PRINCESS

The word "Pressure" is disclaimed.
FOR AIR COMPRESSORS AND PARTS THEREOF.
Claims use since Apr. 1, 1948.

Ser. No. 557,500. THE CLEVELAND CRANE & ENGINEERING COMPANY, Wickliffe, Ohio. Filed May 21, 1948. Under section 2f of the act of 1946.

CLEVELAND

Applicant claims ownership of Registration No. 315,578.
FOR OVERHEAD CRANES, OVERHEAD CONVEYOR TYPE MATERIAL HANDLING SYSTEMS, AND PARTS THEREOF.
Claims use since 1904.

Ser. No. 557,667. PACIFIC PUMPING COMPANY, Oakland, Calif. Filed May 24, 1948.

UNITYPE

FOR CENTRIFUGAL PUMPS AND PARTS THEREFOR.
Claims use since 1936.

Ser. No. 557,717. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed May 25, 1948. Under section 2f of the act of 1946.

Kellogg-American

Applicant claims ownership of Registrations Nos. 395,193 and 397,736.
FOR AIR COMPRESSORS, MOTOR DRIVEN AIR COMPRESSOR UNITS, ENGINE DRIVEN AIR COMPRESSOR UNITS, AND TANK MOUNTED AIR COMPRESSOR UNITS.
Claims use since Sept. 19, 1941.

Ser. No. 557,805. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 25, 1948.

TRIDYNE

Applicant claims ownership of Registration No. 404,181.
FOR FLUID PRESSURE MOTORS OF THE TYPE COMPRISING A CYLINDRICAL CASING HAVING MOUNTED THEREIN A RECIPROCATING ELEMENT IN THE FORM OF A PISTON OR THE EQUIVALENT FOR ACTUATING A PISTON ROD.
Claims use since May 15, 1947.

Ser. No. 559,721. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Filed June 19, 1948.

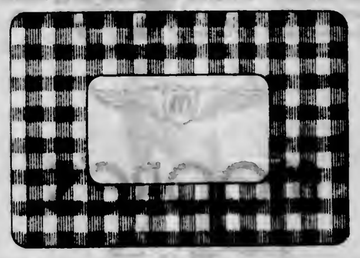
SPAN

FOR STAPLING MACHINES OF THE HAND-OPERATED TYPE USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND LIGHT GAGE METAL TOGETHER.
Claims use since Nov. 30, 1938.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 551,528. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 9, 1948.



The drawing is lined for red.
FOR PORTABLE ELECTRIC LAUNDRY WASHERS.
Claims use since Feb. 2, 1948.

Ser. No. 553,172. THE CUSSINS AND FEARN COMPANY, Columbus, Ohio. Filed Mar. 27, 1948.

WHITE HOUSE

FOR CLOTHES WASHING MACHINES ACTUATED BY ELECTRIC MOTORS, CLOTHES WASHING MACHINES ACTUATED BY GASOLINE ENGINES, CLOTHES WASHING MACHINES OF THE HAND-OPERATED VACUUM TYPE, CLOTHES IRONING MACHINES AND MANGLES, ALUMINUM AND GALVANIZED METAL PORTABLE SINGLE AND DOUBLE COMPARTMENT WASH TUBS, GALVANIZED METAL WASH BOILERS, IRONING BOARDS, IRONING BOARD PADS AND COVERS, AND CLOTHES DRIERS IN THE FORM OF RACKS FOR HANGING CLOTHES.
Claims use since Apr. 1, 1920.

Ser. No. 553,219. SHELDON HOME PRODUCTS CORP., New York, N. Y. Filed Mar. 27, 1948.

STRETCH king

The word "Stretch" is disclaimed.
FOR CURTAIN STRETCHERS.
Claims use since Oct. 15, 1947.

Ser. No. 556,308. AVCO MANUFACTURING CORPORATION, Detroit, Mich. Filed May 6, 1948.

AVCO

FOR CLOTHES WASHING MACHINES.
Claims use since June 1947.

Ser. No. 557,461. WILLIAM S. MOORE, doing business as Moore's of Ohio, Newark, Ohio. Filed May 20, 1948. Under section 2f of the act of 1946.

MOORE'S

FOR ELECTRICAL CLOTHES WASHING MACHINES.
Claims use since May 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 509,792. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Original filed, act of 1905, Sept. 26, 1946; amended to application under act of 1946, Principal Register, Dec. 6, 1948.

MARINERS PATHFINDER

The word "Mariners" is disclaimed apart from the mark as shown.
FOR RADAR APPARATUS—NAMELY, APPARATUS FOR DETECTING AND LOCATING OBJECTS BY THE USE OF RADIATED ELECTROMAGNETIC ENERGY.
Claims use since June 1946.

Ser. No. 509,856. MANNING, MAXWELL & MOORE, INCORPORATED, New York, N. Y. Original filed, act of 1905, Sept. 27, 1946; amended to application under act of 1946, Principal Register, Apr. 13, 1948.

1850 AMERICAN

Applicant claims ownership of Registrations Nos. 76,984, 173,417, 185,457, 283,275, 286,981, 384,579, and 385,502.
FOR THERMOMETERS, TEMPERATURE AND PRESSURE CONTROLLERS, TACHOMETERS, BAROMETERS, PRESSURE GAUGES, LIQUID COLUMN GAUGES, AND RECORDER CHARTS.
Claims use since January 1945.

Ser. No. 515,242. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Original filed, act of 1905, Jan. 3, 1947; amended to application under act of 1946, Principal Register, June 24, 1948.

Weston Master

FOR PHOTOELECTRIC EXPOSURE METERS.
Claims use since November 1939.

Ser. No. 519,165. BACHMANN BROS., INC., Philadelphia, Pa. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Supplemental Register, June 7, 1948; amended to Principal Register, May 3, 1949.

SOLAREX
SARATOGA

Applicant claims ownership of Registration No. 353,643.
FOR SUN GLASSES.
Claims use since Oct. 3, 1946.

Ser. No. 519,167. BACHMANN BROS., INC., Philadelphia, Pa. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Supplemental Register, June 7, 1948; amended to Principal Register, May 3, 1949.

SOLAREX
MOROCCO

Applicant claims ownership of Registration No. 353,643.
FOR SUN GLASSES.
Claims use since Oct. 3, 1946.

Ser. No. 527,758. NATIONAL ALUMINATE CORPORATION, Chicago, Ill. Filed July 5, 1947.

NALCO PHOTOTESTER

FOR TEST INSTRUMENT UTILIZING THE PHOTOELECTRIC CELL FOR DETERMINATION OF THE AMOUNTS OF VARIOUS DISSOLVED SOLIDS USUALLY FOUND IN WATER.
Claims use since Feb. 6, 1939.

Ser. No. 528,128. WHEELCO INSTRUMENTS COMPANY, Chicago, Ill. Filed July 8, 1947.

LIMITROL

FOR ELECTRONICALLY OPERATED INSTRUMENT FOR INDICATING AND CONTROLLING LIMITS OF VARIABLES—NAMELY, TEMPERATURES, FLUID FLOWS, ELECTRICAL VOLTAGES, OR CURRENTS.
Claims use since July 1936.

Ser. No. 541,662. CARROLL C. CRAIG, doing business as Fidelity Manufacturing Company, Los Angeles, Calif. Filed Nov. 19, 1947.

FIDELITY

FOR FILM HOLDERS.
Claims use since Oct. 10, 1947.

Ser. No. 553,822. DEERING MILLIKEN RESEARCH TRUST, Greenwich, Conn. Filed Apr. 5, 1948.

FILOMETER

FOR INSTRUMENT FOR MEASURING THE DIAMETER OF FILAMENTARY MATERIAL.
Claims use since Mar. 16, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 532,898. ACME VENETIAN BLIND CO., Chicago, Ill. Filed Aug. 30, 1947. CONCURRENT USE with Ser. No. 535,779, Acme Screen Company, Inc., for the area comprising the States of Illinois, Indiana, Michigan, Ohio, Iowa, Wisconsin, Minnesota, Kentucky, and Missouri.

ACME
ACME

FOR VENETIAN WINDOW BLINDS.
Claims use since Jan. 15, 1947.

Ser. No. 535,779. ACME SCREEN COMPANY, INC., Dallas, Tex. Filed Sept. 26, 1947. CONCURRENT USE with Ser. No. 532,898, Acme Venetian Blind Co., for the area comprising all the States of the United States with the exception of the States of Illinois, Indiana, Michigan, Ohio, Iowa, Wisconsin, Minnesota, Kentucky, and Missouri.

AC-KA-ME

FOR VENETIAN BLINDS.
Claims use since Mar. 1, 1921.

Ser. No. 562,380. THE MEBANE COMPANY, Mebane, N. C. Filed July 28, 1948.

KINGSDOWN

Applicant claims ownership of Registration No. 134,736.
FOR FELT MATTRESSES, INNERSPRING MATTRESSES, BOX SPRINGS, AND COIL SPRINGS.
Claims use since Mar. 1, 1905.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 559,638. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed June 18, 1948.



Applicant claims ownership of Registration No. 229,068.
FOR GROOVED PHONOGRAPH RECORDS AND NON-ELECTRIC PHONOGRAPHS.
Claims use since 1907.

Ser. No. 559,899. PAUL BARRETT, doing business as Skystreak Records, San Francisco, Calif. Filed June 22, 1948.



FOR GROOVED PHONOGRAPH RECORDS.
Claims use since Jan. 10, 1948.

CLASS 37
PAPER AND STATIONERY

Ser. No. 504,364. GEORG JENSEN INC., New York, N. Y. Original filed, act of 1905, June 21, 1946; amended to application under act of 1946, Principal Register, Dec. 24, 1947.



The trade-mark consists of the combination of the representation of a fanciful crown surmounting the letters or initials "GJ," in duplicate, so arranged that both letters "G" are outermost in the lower part of the combination, one pair of said initials "GJ" reading in reverse order, as shown in the drawing. Applicant claims ownership of Registrations Nos. 384,539, 384,540, 390,089, 390,090, and 390,374.

FOR DESK SETS AND ACCESSORIES MADE OF, OR HAVING A SETTING OF, LEATHER—NAMELY, DESK PADS, CORRESPONDENCE BOXES, ENGAGEMENT BOOKS, MEMO PAD HOLDERS, DESK FILES, HAND BLOTTERS, DESK CALENDARS, STAMP BOXES, PEN AND PENCIL STANDS, AND INK WELLS.
Claims use since August 1940.

Ser. No. 508,861. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Principal Register, Aug. 27, 1948.

GUNTA

FOR KRAFT WRAPPING PAPER.
Claims use since July 27, 1946.

Ser. No. 519,676. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947.



FOR WRITING PAPER.
Claims use since 1925.

Ser. No. 519,678. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947.



FOR WRITING PAPER.
Claims use since 1910.

Ser. No. 519,684. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947.



The words "Air Laid" are disclaimed from the mark as shown.
FOR WRITING PAPER.
Claims use since 1934.

Ser. No. 525,676. PLASTIC BINDING CORPORATION, Chicago, Ill. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Jan. 29, 1948.



The word "Binders" is disclaimed apart from the mark shown. Applicant claims ownership of Registrations Nos. 394,499 and 397,851.
FOR TUBULAR PLASTIC BINDERS FOR BOOKS.
Claims use since June 21, 1947.

Ser. No. 538,260. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Oct. 18, 1947.

PERMAFEED

Applicant claims ownership of Registration No. 348,621.
FOR MECHANICAL PENCILS.
Claims use since Oct. 9, 1947.

Ser. No. 542,400. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

MID-STATES

Applicant claims ownership of Registration No. 162,551.
FOR GUMMED BLANK OR PARTIALLY PRINTED LABELS, GUMMED PAPER, AND GUMMED TAPE.
Claims use since Feb. 8, 1922.

Ser. No. 546,922. OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

MOZART

Applicant claims ownership of Registration No. 266,437.
FOR WRITING AND PRINTING PAPERS AND MAILING ENVELOPES AND BLANK CARDS FOR WEDDING, GREETING, AND ANNOUNCEMENT PURPOSES.
Claims use since Apr. 1, 1928.

Ser. No. 546,923. OLD COLONY ENVELOPE COMPANY, Westfield, Mass. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

MENDELSSOHN

Applicant claims ownership of Registration No. 266,438.
FOR WRITING AND PRINTING PAPERS AND MAILING ENVELOPES AND BLANK CARDS FOR WEDDING, GREETING, AND ANNOUNCEMENT PURPOSES.
Claims use since Apr. 1, 1928.

Ser. No. 552,336. BROOKS BANK NOTE COMPANY, Springfield, Mass. Filed Dec. 13, 1947. Under section 2f of the act of 1946.

WILBRAHAM

Applicant claims ownership of Registration No. 408,229.
FOR WRITING AND PRINTING PAPER.
Claims use since August 1914.

Ser. No. 553,473. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

BRUNSWICK

Applicant claims ownership of Registration No. 277,376.
FOR CREPE PAPER, GUMMED REINFORCEMENTS, AND PARTIALLY PRINTED LABELS.
Claims use on crepe paper at least as early as 1930; on gummed reinforcements at least as early as Sept. 27, 1929; and on partially printed labels at least as early as February 1935.

Ser. No. 558,294. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 2, 1948.

OZALUCENT

FOR TRANSLUCENT TYPING, WRITING, AND PRINTING PAPER.
Claims use since Aug. 1, 1946.

Ser. No. 558,295. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 2, 1948.

OZAPARCHMENT

FOR TRANSLUCENT TYPING, WRITING, AND PRINTING PAPER.
Claims use since Aug. 1, 1946.

Ser. No. 558,599. SAMUEL SCHWARTZ, doing business as Schwartz & Company, Philadelphia, Pa. Filed June 5, 1948.

KING MIDAS

FOR BOND PAPER, MANIFOLD PAPER, MIMEOGRAPH PAPER, INDEX PAPER, AND ONIONSKIN PAPER.
Claims use since May 10, 1948.

Ser. No. 561,829. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed July 21, 1948.

PROSPERITY

Applicant claims ownership of Registrations Nos. 261,338 and 297,062.
FOR WRITING PAPER AND WRAPPING PAPER.
Claims use since Jan. 1, 1931.

Ser. No. 561,832. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 21, 1948.



The word "Waterproofed" is disclaimed apart from the mark shown. The thin concentric circle is lined for gold in the drawing.
FOR TREATED WRAPPING PAPER.
Claims use since July 1, 1931.

Ser. No. 561,833. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 21, 1948.



The representation of the money bags and the thin concentric circle are lined for gold color in the drawing.
FOR WRAPPING PAPER.
Claims use since May 1, 1931.

Ser. No. 562,193. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

PAPRICLOTH

The mark is lined for blue in the drawing.
Applicant claims ownership of Registration No. 104,456.
FOR ICE BLANKETS AND PAPER NURSERY BLANKETS OF PARCHMENT PAPER.
Claims use since Jan. 1, 1914.

Ser. No. 562,194. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

WHALEHIDE

Applicant claims ownership of Registration No. 215,316.
FOR WRAPPING PAPER.
Claims use since Feb. 23, 1926.

Ser. No. 562,200. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

ISYN-GLOSS

The applicant disclaims the word "Gloss" apart from the mark.
FOR SELF-SEALING WAXED PAPER.
Claims use since Jan. 1, 1925.

Ser. No. 562,202. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

FLAVER

The mark is lined for red in the drawing.
FOR BOND PAPER.
Claims use since Jan. 1, 1919.

Ser. No. 562,203. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

STRONG BOY

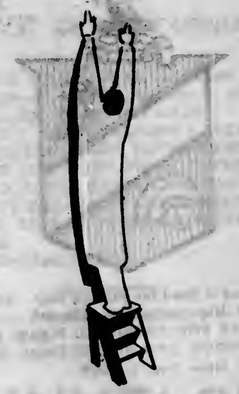
The applicant disclaims the word "Strong" apart from the mark. The mark is lined for blue in the drawing.
FOR BOND PAPER SECOND SHEETS.
Claims use since July 1, 1928.

Ser. No. 562,204. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

LIMITED BOND

No claim is made to the word "Bond" apart from the mark shown. The mark is lined for brown in the drawing.
FOR BOND PAPER.
Claims use since Jan. 1, 1926.

Ser. No. 563,859. Manufacture de Papiers Peints I. Leroy (Societe Anonyme), Ponthierry (Seine-et-Marne), France. Filed Aug. 23, 1948.



Applicant claims ownership of French Registration No. 942, dated Dec. 28, 1942.
FOR WALL-PAPERS.
Claims use since Mar. 22, 1928.

Ser. No. 564,469. Sherman Paper Products Corporation, Newton, Mass. Filed Aug. 31, 1948.

Velvedek

FOR FLOCKED PAPER FOR USE AS BOX COVERINGS, WINDOW DISPLAYS, AND DISPLAY PAPER.
Claims use since Aug. 17, 1948.

CLASS 39

CLOTHING

Ser. No. 511,995. Gamble-Skogmo, Inc., Minneapolis, Minn. Original filed, act of 1905, Nov. 4, 1946; amended to application under act of 1946, Principal Register, Nov. 9, 1948.



The drawing is lined to indicate the color gold. The outline representation of the label is disclaimed apart from the mark as shown.
FOR WORK GLOVES MADE OF LEATHER OR FABRIC OR COMBINATIONS THEREOF, WORK SHIRTS, DENIM JACKETS, WAIST BAND AND BIB OVERALLS, AND WORK SUITS.
Claims use since June 1, 1946.

Ser. No. 529,019. Good Luck Glove Company, Carbondale, Ill. Filed July 21, 1947.



FOR WORK GLOVE MADE OF LEATHER AND CANTON FLANNEL.
Claims use since October 1936.

Ser. No. 529,946. Western Hosiery Company, Chicago, Ill. Filed July 29, 1947. Under section 2f of the act of 1946.

TRU-FIT

Applicant claims ownership of Registration No. 175,810.
FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSE.
Claims use since Aug. 7, 1916.

Ser. No. 537,036. S. Ginsberg Sons, Baltimore, Md. Filed Oct. 7, 1947.

Malacool

FOR MEN'S CLOTHING—NAMELY, SUITS, COATS, JACKETS, AND SLACKS.
Claims use since Sept. 20, 1938.

Ser. No. 538,909. Hickey-Freeman Company, Rochester, N. Y. Filed Oct. 24, 1947.

Burma

FOR MEN'S SUITS.
Claims use since Dec. 7, 1937.

Ser. No. 541,574. Rite-Form Corset Co. Inc., New York, N. Y. Filed Nov. 18, 1947.

Circu-form BY RITE-FORM

The term "form By Rite-Form" is disclaimed apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 159,073.
FOR CORSETS AND GIRDLES FOR LADIES AND MISSES.
Claims use since Oct. 9, 1947.

Ser. No. 543,287. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Dec. 4, 1947. Under section 2f of the act of 1946.

THE FLORSHEIM SHOE

The words "The" and "Shoe" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 3,480, 77,632, 88,745, 146,737, 240,767, and 392,748.
FOR CLOTH AND LEATHER BOOTS AND SHOES.
Claims use since January 1890.

Ser. No. 543,988. NORTH AMERICAN KNITTING CO., Mansfield, Ohio. Filed Dec. 10, 1947.

TEE-JAY Zeph-kid

FOR KNITTED PULLOVER SWEATERS, VESTS, AND COATS FOR USE BY MEN AND BOYS.
Claims use since Feb. 24, 1947.

Ser. No. 546,518. J. SCHOENEMAN, INC., Baltimore, Md. Filed Jan. 8, 1948. Under section 2f of the act of 1946.

FAIRFIELD

Applicant claims ownership of Registration No. 238,937.
FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since Aug. 1, 1926.

Ser. No. 547,347. KAYLON INCORPORATED, New York, N. Y. Filed Jan. 17, 1948.

Mysticollar

FOR MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS, PAJAMA COATS, BEACH COATS, SMOCK COATS, UTILITY COATS, AND BATH ROBES.
Claims use since November 1947.

Ser. No. 547,550. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Filed Jan. 20, 1948.



The drawing is lined for shading only. Applicant claims ownership of Registration No. 259,498.
FOR BELTS FOR PERSONAL WEAR, GARTERS OR HOSE SUPPORTS, AND SUSPENDERS OR BRACES.
Claims use since Aug. 1, 1928.

Ser. No. 548,686. PECK & PECK, New York, N. Y. Filed Feb. 3, 1948.

CARWELL

FOR WEARING APPAREL FOR WOMEN—NAMELY, SWEATERS.
Claims use since September 1945.

Ser. No. 549,100. WEINBERG, WEINBERG & ALPERN, New York, N. Y. Filed Feb. 7, 1948. Under section 2f of the act of 1946.

missitype

Applicant claims ownership of Registration No. 333,713.
FOR WOMEN'S DRESSES.
Claims use since July 1, 1934.

Ser. No. 550,000. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

WRIGHTSWEAR

Applicant claims ownership of Registrations Nos. 19,494, 168,206, 189,381, 318,323, 322,234, 327,867, 354,773, 502,880, 502,881, 502,882, and 503,620.
FOR COTTON KNIT ATHLETIC SHIRTS AND T SHIRTS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 8, 1948.

Ser. No. 550,200. ALICE FROCK COMPANY, San Francisco, Calif. Filed Feb. 20, 1948.

Alice OF CALIFORNIA

The words "Of California" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 369,596, 424,398, 422,788, and 423,822.
FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHIRTS, OUTER SHORTS, PLAY SUITS, SUN SUITS, BATHING SUITS, SWEATERS, SCARFS, HATS AND CAPS, FABRIC GLOVES, BELTS FOR OUTER WEAR, SLACKS, SLACK SUITS, COATS, JACKETS, DRESSES, OUTER SKIRTS, AND GIRDLES.
Claims use since Jan. 1, 1946.

Ser. No. 550,340. SYLVIA S. PEDLAR, New York, N. Y. Filed Feb. 21, 1948.

RAINVELOPE

FOR RAINCOATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 28, 1948.

Ser. No. 553,751. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Apr. 2, 1948.

Peek♥Blue

The word "Blue" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Mar. 4, 1948.

Ser. No. 555,300. HENRY POLLAK, INC., New York, N. Y. Filed Apr. 22, 1948.

DING HAU

The words "Ding Hau" are a coined phonetic translation of the Chinese expression of greeting having the implication of the English greeting "Good Wishes."
FOR STRAW HATS.
Claims use since Apr. 8, 1948.

Ser. No. 556,542. BELK'S BUYING SERVICE, INCORPORATED, Charlotte, N. C. Filed May 8, 1948.

Slip-Sue-Preem

The descriptive word "Slip" is disclaimed apart from the mark as shown.
FOR WOMEN'S SLIPS.
Claims use since Feb. 27, 1948.

Ser. No. 558,941. I. SCHNEIDERMAN & SONS, INC., New York, N. Y. Filed June 10, 1948.

Sliptex

Applicant claims ownership of Registration No. 270,144.
FOR LADIES' AND CHILDREN'S CHEMISES, PRINCESS SLIPS, BLOOMERS, DRESSES, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS, OF A TEXTILE FABRIC.
Claims use since July 1, 1928.

Ser. No. 559,703. GREGORY & READ CO., Lynn, Mass. Filed June 19, 1948.

magic-stride

Applicant claims ownership of Registration No. 374,456.
FOR LADIES' AND MISSES' SHOES, MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since Apr. 1, 1939.

Ser. No. 560,148. JOSEPH T. WOOD COMPANY, Ware, Mass. Filed June 24, 1948.

WOOD

FOR ATHLETIC SHOES.
Claims use since Sept. 4, 1946.

Ser. No. 560,686. BERNARD B. DISKEN, doing business as Bernard B. Disken Co., New Haven, Conn. Filed July 3, 1948.

Peter Pepper

The name "Peter Pepper" is fanciful, suggested by an old nursery rhyme.
FOR CHILDREN'S SHOES, MISSES' SHOES, AND BOYS' SHOES MADE OF LEATHER.
Claims use since June 24, 1948.

Ser. No. 561,274. TRI SPORTSWEAR, INC., New York, N. Y. Filed July 13, 1948.

SAT-JAK

FOR SATIN JACKETS.
Claims use since Dec. 15, 1947.

Ser. No. 563,974. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Mar. 4, 1948. Under section 2f of the act of 1946.

WINSLOW

Applicant claims ownership of Registration No. 375,353.
FOR OUTER SHIRTS FOR MEN AND BOYS.
Claims use since Oct. 20, 1938.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 551,394. MAURICE LUBASH, doing business as Ru-Ell Novelties, New York, N. Y. Filed Mar. 6, 1948.

Ru-Ell

FOR BUST PADS.
Claims use since November 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 559,286. CRAWFORD-AUSTIN MANUFACTURING CO., Waco, Tex. Filed June 16, 1948.

SKY PROOF



FOR STOCKMEN'S TEXTILE BED SHEETS.
Claims use since July 1, 1931.

Ser. No. 560,280. MEYER WOOLEN, INC., New York, N. Y. Filed June 26, 1948.

FRISKA

FOR TEXTILE FABRICS MADE OF COTTON, WOOL, SILK, SYNTHETIC FIBERS.
Claims use since September 1927.

Ser. No. 571,676. J. H. BINNS AND COMPANY LIMITED, Keighley, England. Filed Jan. 5, 1949.

REVONAIRE

Applicant claims ownership of British Registration No. 657,119, dated Mar. 10, 1947.
FOR PIECE GOODS WHOLLY OR SUBSTANTIALLY WHOLLY OF WORSTED.

Ser. No. 571,739. NU-FAB CORPORATION, Chicago, Ill. Filed Jan. 6, 1949.

miracloth

FOR NON-WOVEN CLOTH IN THE ROLL FOR CLEANING, POLISHING, AND LIKE PURPOSES.
Claims use since Dec. 17, 1948.

Ser. No. 572,224. THE WARREN WOOLEN COMPANY, Stafford Springs, Conn. Filed Jan. 14, 1949.

WARRENA

Applicant claims ownership of Registrations Nos. 338,825 and 360,693.
FOR WOOLEN PIECE GOODS.
Claims use since Dec. 6, 1948.

Ser. No. 572,240. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Jan. 15, 1949.

SANFORLAN

FOR WOOLEN PIECE GOODS.
Claims use since Dec. 30, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 553,811. C & D FLAVOR COMPANY, Houston, Tex. Filed Apr. 5, 1948.



The drawing is lined to indicate the colors blue and gold, but no claim is made as to color. The words "Cool" and "Delicious" are disclaimed apart from the mark.
FOR FLAVORED SYRUP FOR USE IN SOFT DRINKS AND CARBONATED WATERS AND SPECIFICALLY SUCH SYRUPS IN FLAVORS OF VANILLA, ROOT BEER, LEMON, ORANGE, WILD CHERRY, AND STRAWBERRY.
Claims use since Sept. 1, 1947.

Ser. No. 565,276. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 16, 1948.

Sparkoffee

Applicant claims ownership of Registration No. 360,375.
FOR NONALCOHOLIC, MALTLESS, CARBONATED COFFEE BEVERAGE SOLD AS A SOFT DRINK.
Claims use since May 2, 1938.

Ser. No. 567,283. TAYLOR & SLEDD, INCORPORATED, Richmond, Va. Filed Oct. 20, 1948.

TIDEWATER

Applicant claims ownership of Registrations Nos. 176,452 and 260,263.
FOR GRAPE JUICE.
Claims use since Apr. 6, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 497,383. F. M. FOOD PRODUCTS COMPANY, Milwaukee, Wis., assignor to Kiddie Kookies Co., Fairwater, Wis., a corporation of Wisconsin. Original filed, act of 1905, Feb. 28, 1946; amended to application under act of 1946, Principal Register, Nov. 28, 1947.



The word "Kookies" is disclaimed apart from the mark as shown.
FOR COOKIES.
Claims use since Nov. 14, 1945.

Ser. No. 525,638. MCPHILLIPS PACKING CORPORATION, Bayou La Batre, Ala. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, July 6, 1948.



Exclusive use of the word "Brand" is not claimed apart from the rest of the mark shown.
FOR CANNED OYSTERS.
Claims use since 1922.

Ser. No. 526,944. ARMOUR AND COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

Drexel

FOR FAT BACK PORK.
Claims use since Aug. 26, 1912.

Ser. No. 528,098. HOLLY SUGAR CORPORATION, Colorado Springs, Colo. Filed July 7, 1947.



The drawing is lined to indicate the colors red, green, and blue. Applicant claims ownership of Registration No. 337,057.
FOR SUGAR.
Claims use since 1919.

Ser. No. 530,153. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Aug. 1, 1947.

Blue Diamond BRAND

The word "Brand" is disclaimed. The drawing is lined for blue. Applicant claims ownership of Registrations Nos. 90,992 and 321,880.
FOR FRESH DECIDUOUS FRUITS.
Claims use since July 15, 1909.

Ser. No. 532,976. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill. Filed July 29, 1947.



The non-Latin characters are Chinese characters which, when translated into the English language, mean "Three Sheep Label."
FOR FOOD SAVORING POWDERS COMPRISING PRINCIPALLY MONO SODIUM GLUTAMATE.
Claims use since July 11, 1947.

Ser. No. 541,405. CONSOLIDATED PACKING COMPANY, San Francisco, Calif. Filed Nov. 17, 1947.

ULTRAMYRNA

FOR RAISINS.
Claims use since Sept. 2, 1947.

Ser. No. 546,200. A. FINK & SONS, COMPANY, INC., Newark, N. J. Filed Jan. 6, 1948. Under section 2f of the act of 1946.

DE CISCO

Applicant claims ownership of Registrations Nos. 204,032 and 397,744.
FOR HAMS, BACON, PORK SAUSAGE, BOLOGNA, HEAD CHEESE, PAN CHEESE.
Claims use since 1868.

Ser. No. 549,493. BELLE CENTER CREAMERY AND CHEESE COMPANY, Belle Center, Ohio. Filed Feb. 12, 1948.

RESIMIX

FOR MILK SUGAR RESIDUE FOR USE AS AN ANIMAL AND POULTRY FEED COMPONENT.
Claims use since Oct. 22, 1947.

Ser. No. 551,290. LOUIS MILANI FOODS, INC., Maywood, Calif. Filed Mar. 5, 1948.

FINK'S

FOR GARLIC SALAD DRESSING.
Claims use since Nov. 5, 1947.

Ser. No. 552,198. CHAS. T. WRIGHTSON & SON, INC., Easton, Md. Filed Mar. 17, 1948. Under section 2f of the act of 1946.

WRIGHTSON'S

FOR CANNED VEGETABLES.
Claims use since Sept. 30, 1893.

Ser. No. 552,569. CHROMYL LABORATORIES, INC., Kansas City, Mo. Filed Mar. 20, 1948.

CLOVOGRAS

Applicant claims ownership of Registrations Nos. 375,174 and 401,822.
FOR LIVE STOCK AND POULTRY FEED SUPPLEMENT CONTAINING PROTEIN, CARBOHYDRATES, MINERALS, VITAMINS, AND CHLOROPHYLL.
Claims use since Feb. 24, 1948.

Ser. No. 552,622. WALLACE & CO., Brooklyn, N. Y. Filed Mar. 20, 1948. Under section 2f of the act of 1946.

DAINTY SLICES

The word "Slices" is disclaimed apart from the mark.
Applicant claims ownership of Registration No. 337,833.
FOR CANDIES.
Claims use since March 1933.

Ser. No. 553,726. LUCATELLI PACKING COMPANY, West New York, N. J. Filed Apr. 2, 1948.

LUCATELLI

FOR EDIBLE OILS—NAMELY, OLIVE OIL; PEANUT OIL; AND A BLEND OF CORN OIL, COTTONSEED OIL, AND OLIVE OIL; AND COFFEE.
Claims use since 1926.

Ser. No. 553,727. LUCATELLI PACKING COMPANY, West New York, N. J. Filed Apr. 2, 1948.



FOR EDIBLE OILS—NAMELY, OLIVE OIL; PEANUT OIL; AND A BLEND OF CORN OIL, COTTONSEED OIL, AND OLIVE OIL; AND COFFEE.
Claims use since 1926.

Ser. No. 554,181. WAVERLY GROWERS COOPERATIVE, Waverly, Fla. Filed Apr. 8, 1948. Under section 2f of the act of 1946.

Waverly

Applicant claims ownership of Registration No. 356,024.
FOR FRESH CITRUS FRUITS.
Claims use since 1915.

Ser. No. 555,704. OTTO SEIDNER, INC., Westerly, R. I. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

Seidner

FOR MAYONNAISE, SANDWICH SPREAD, SALAD DRESSING, FRENCH DRESSING, POTATO SALAD, AND MACARONI SALAD.
Claims use since Jan. 1, 1927.

Ser. No. 556,089. FULLERTON MUTUAL ORANGE ASSOCIATION, Fullerton, Calif. Filed May 3, 1948.

GREEN WING

Applicant claims ownership of Registrations Nos. 191,364, 191,365, and 209,353.
FOR FRESH CITRUS FRUITS.
Claims use since 1927.

Ser. No. 556,995. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 13, 1948.

fermaloid

Applicant claims ownership of Registrations Nos. 291,589 and 354,825.
FOR DOUGH IMPROVER IN POWDERED FORM CONSISTING OF MINERAL SALTS AND A CEREAL FILLER.
Claims use since Mar. 9, 1931.

Ser. No. 557,147. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed May 15, 1948.

Solitaire

Applicant claims ownership of Registrations Nos. 52,130, 64,880, 66,038, 68,490, 68,642, 91,364, 113,618, and 122,514.
FOR CANNED FRUITS AND VEGETABLES, PRESERVED FRUITS, JAMS, MARMALADES, JELLIES, STRAINED HONEY, TABLE SYRUPS, VINEGAR, CANNED SARDINES, CANNED CLAMS, CANNED LOBSTERS, CANNED OYSTERS, CANNED SALMON, CATSUP, CHILI SAUCE, SALAD DRESSING, CAPERS, CANNED MUSHROOMS, MUSTARD, MINCEMEAT, SALTED NUTS, OLIVE OIL, CANNED PIMIENTOS, PEANUT BUTTER, PICKLES, AND PACKAGE RICE.
Claims use since January 1902.

Ser. No. 557,400. MRS. TUCKER'S FOODS, INC., Sherman, Tex. Filed May 19, 1948. Under section 2f of the act of 1946.

Grayson

Applicant claims ownership of Registration No. 254,748.
FOR OLEOMARGARINE, SWEET CREAM, CONDENSED SKIM MILK, AND VEGETABLE OIL SHORTENING.
Claims use since Jan. 18, 1928.

Ser. No. 557,534. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

BERRYSICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,335, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.
FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 14, 1948.

Ser. No. 557,535. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

CHERRYSICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,335, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.
FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 14, 1948.

Ser. No. 557,536. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

GRAPESICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,335, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.
FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 14, 1948.

Ser. No. 557,537. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

LIMESICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,335, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.
FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.
Claims use since Apr. 14, 1948.

Ser. No. 557,538. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

LEMONSICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,385, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since Apr. 14, 1948.

Ser. No. 557,539. JOE LOWE CORPORATION, New York, N. Y. Filed May 21, 1948.

ORANGESICLE

Applicant claims ownership of Registrations Nos. 219,744, 288,393, 288,507, 301,067, 301,334, 301,385, 303,400, 303,401, 304,006, 304,316, 312,475, 341,719, 342,262, 347,885, 347,963, 348,492, 354,357, 354,358, 354,936, 354,937, 360,365, 360,862, 362,419, 362,994, 363,907, 367,865, 367,866, 368,870, 368,871, 373,829, 374,209, 379,152, 430,813, 431,445, 431,446, 434,594, 435,908, and 437,958.

FOR FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME.

Claims use since May 9, 1946.

Ser. No. 557,926. HONEY BEE CO., Chicago, Ill. Filed May 27, 1948.

MOR-CHEES

The word "Chees" is disclaimed apart from the mark as shown.

FOR CHEESE FLAVORED CORN CHIPS.

Claims use since Dec. 1, 1947.

Ser. No. 559,672. BASIC FOODS, INC., New York, N. Y. Filed June 19, 1948.

HUMIDEX

FOR ICING FOR CAKES AND COOKIES.

Claims use since June 15, 1948.

Ser. No. 560,203. THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed June 25, 1948.



OUR DARLING

The portrait is fanciful. The stippling shown in the drawing represents shading. The representation of a can of corn is disclaimed. Applicant claims ownership of Registration No. 177,163.

FOR CANNED VEGETABLES.

Claims use since 1945 as to the mark shown; and since 1912 as to "Our Darling" and the little girl.

Ser. No. 560,204. THE ILLINOIS CANNING CO., Hoopeston, Ill. Filed June 25, 1948.

WESTERN BEAUTY

FOR CANNED BEANS WITH AND WITHOUT PORK, TOMATO SAUCE, OR OTHER FLAVORING INGREDIENTS.

Claims use since 1939.

Ser. No. 560,436. ARMOUR AND COMPANY, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill. Filed June 30, 1948.

Town Club

Applicant claims ownership of Registration No. 243,732.

FOR PORK SAUSAGE.

Claims use since November 1937.

Ser. No. 563,198. KRAFT FOODS COMPANY, Chicago, Ill. Filed Aug. 11, 1948.

CASINO

Applicant claims ownership of Registration No. 72,669.

FOR CAMEMBERT CHEESE.

Claims use since 1907.

Ser. No. 563,220. W. B. RODDENBERY COMPANY, INC., Cairo, Ga. Filed Aug. 11, 1948. Under section 2f of the act of 1946.

RODDENBERY

Applicant claims ownership of Registration No. 404,042.

FOR TABLE SYRUP, PICKLES, AND PEANUT BUTTER.

Claims use since Feb. 14, 1942.

Ser. No. 563,461. MCVITIE AND PRICE LIMITED, Edinburgh, Scotland. Filed Aug. 16, 1948.

M P

Applicant claims ownership of British Registration No. 285,918, dated Sept. 5, 1906; and U. S. Registration No. 69,961.

FOR BISCUITS.

Ser. No. 563,931. THE ISALY DAIRY COMPANY, Youngstown, Ohio. Filed Aug. 24, 1948.

BOULEVARD

FOR COFFEE AND POTATO CHIPS.

Claims use since June 30, 1931.

Ser. No. 563,936. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Filed Aug. 24, 1948. Under section 2f of the act of 1946.

EVER READY

Applicant claims ownership of Registration No. 253,215.

FOR SALT.

Claims use since Dec. 20, 1927.

Ser. No. 564,102. EMERY, BIRD, THAYER DRY GOODS COMPANY, Kansas City, Mo. Filed Aug. 25, 1948.

JOSEPHINES

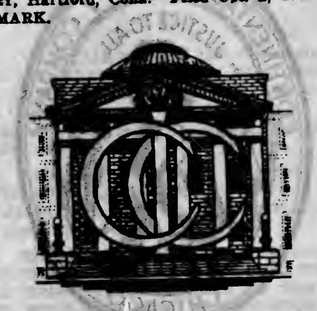
FOR CHOCOLATE CANDY.

Claims use since 1913.

CLASS 55

SERVICES

Ser. No. 536,499. CITIZENS INSURANCE COMPANY OF NEW JERSEY, Hartford, Conn. Filed Oct. 2, 1947. SERVICE MARK.



Applicant disclaims the words "Hartford Company."

FOR FIRE INSURANCE UNDERWRITING.

Claims use since 1930.

Ser. No. 542,587. HOT SHOPPES, INC., Washington, D. C. Filed Nov. 28, 1947. SERVICE MARK.

Hot Shoppes

FOR SERVING OF FOODS AND BEVERAGES IN RESTAURANTS.

Claims use since October 1927.

Ser. No. 545,949. CORA SUND CASPARIS, doing business as Don The Beachcomber, Hollywood, Calif. Filed Jan. 2, 1948. SERVICE MARK.

DON THE BEACHCOMBER

Applicant claims ownership of Registrations Nos. 386,863 and 401,655.

FOR THE SERVING OF FOOD AND BEVERAGES IN RESTAURANTS.

Claims use since July 5, 1935.

Ser. No. 550,392. CUMMINS ENGINE COMPANY, INC., Columbus, Ind. Filed Feb. 24, 1948. SERVICE MARK. Under section 2f of the act of 1946.

CUMMINS

Applicant claims ownership of Registrations Nos. 210,288 and 214,074.

FOR MAINTENANCE AND REPAIR OF DIESEL ENGINES AND PARTS THEREOF.

Claims use since September 1919.

Claims use since June 15, 1948.

Claims use since 1907.

Ser. No. 552,917. CONTINENTAL CASUALTY COMPANY, Chicago, Ill. Filed Mar. 10, 1948. SERVICE MARK.



No claim is made to the exclusive use of the words "Casualty Company" and "Chicago."

FOR ACCIDENT, HEALTH, AND HOSPITALIZATION INSURANCE UNDERWRITING SERVICES.

Claims use since 1930.

Ser. No. 557,132. THE HEARST CORPORATION, New York, N. Y. Filed May 15, 1948. SERVICE MARK.



Applicant claims ownership of Registration No. 301,867.

FOR NEWS AND NEWS REPORTING THROUGH THE MEDIUM OF TELEVISION BROADCASTS.

Claims use since Feb. 25, 1948.

Ser. No. 560,856. BAKERS ASSOCIATES INCORPORATED, Chicago, Ill. Filed July 8, 1948. SERVICE MARK.



FOR MANAGEMENT COUNSELING TO THE BAKERY INDUSTRY RELATING TO PERSONNEL, ORGANIZATION, PRODUCTION, SALES, QUALITY CONTROL, AUTOMOTIVE AND PLANT MAINTENANCE, AND FINANCE.

Claims use since June 10, 1948.

Ser. No. 567,014. AIRWAY EXTERMINATING & PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 15, 1948. SERVICE MARK.

Airway

FOR INSECT AND RODENT EXTERMINATION AND FUMIGATION OF BUILDINGS, BOATS, AND OTHER STRUCTURES.

Claims use since June 26, 1940.

Ser. No. 568,117. RAINBOW TRAVEL SERVICE, INC., Oklahoma City, Okla. Filed Nov. 3, 1948. SERVICE MARK.



Applicant disclaims the generic or descriptive word "Tours" except as such word may be connected with the term "Rainbow Tours." The lining of the drawing is for shading only.

FOR TRAVEL SERVICE—NAMELY, THE PLANNING AND CONDUCTING OF EXCURSIONS, TOURS, AND CHARTER PARTIES; CHARTERING ALL FORMS OF TRANSPORTATION FACILITIES; AND ARRANGING HOTEL AND RESORT RESERVATIONS; AND PROCURING FOR TRAVELLERS RAILROAD, MOTOR, STEAMSHIP, AND AIRPLANE TICKETS.

Claims use since Jan. 1, 1937.

Ser. No. 571,564. S. H. LYNCH & Co., Dallas, Tex. Filed Jan. 3, 1949. SERVICE MARK.

Tailored Music

Applicant disclaims the word "Music" apart from the mark.

FOR DISTRIBUTION BY WIRE OF MUSIC FROM CENTRAL LOCATIONS TO OFFICES, STORES, CLUBS, HOTELS, PLANTS, AND OTHER CONSUMERS.

Claims use since May 6, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,429. MOLDED PLASTIC ELECTRICAL HOUSINGS OR PARTS—NAMELY, CASES FOR ELECTRICAL FENCE CONTROLLERS, CASES FOR TELEPHONE LOADING COILS, AND BASES FOR TELEPHONE KEYS. THE LIONEL CORPORATION, New York, N. Y.
Filed July 12, 1945, Serial No. 485,730. Published July 12, 1949. Class 21.

443,430. ASSISTANTS USED IN DYE-BATHS, CONSISTING OF A COMBINATION OF HIGH MOLECULAR WEIGHT FATTY ESTERS AND NITROGEN COMPOUNDS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed Aug. 13, 1946, Serial No. 507,289. Published July 5, 1949. Class 6.

443,431. VITAMIN D-ACTIVATED VEGETABLE STEROLS PROTECTED AGAINST OXIDATION AND SEALED IN SPECIALLY PREPARED EDIBLE VEGETABLE OIL COMPOUND AND DISPERSED IN DRY GROUND EDIBLE CEREAL CARRIER FOR USE AS FEED FOR FOUR-FOOTED ANIMALS. E. F. DREW & CO., INC., New York, N. Y.
Filed Sept. 10, 1946, Serial No. 508,795. Published June 28, 1949. Class 46.

443,432. COMPOSITIONS OF D-ACTIVATED ANIMAL STEROLS AND VITAMIN D FEEDING OILS DISPERSED IN EDIBLE CEREAL CARRIER, USED AS FEEDS FOR POULTRY AND ANIMALS. E. F. DREW & CO., INC., New York, N. Y.
Filed Sept. 10, 1946, Serial No. 508,796. Published June 28, 1949. Class 46.

443,433. PANELS OF ELECTRONIC AND/OR ELECTRO-MECHANICAL SEQUENCE TIMERS, CIRCUITS THEREFOR, AND RELAYS AND CONDENSERS USED THEREWITH DESIGNED FOR THE PURPOSE OF CONTROLLING THE OPERATION OF VARIOUS INDUSTRIAL EQUIPMENT AND PROCESSES; ELECTRONIC AND/OR ELECTRO-MECHANICAL SINGLE OR SEQUENCE TIMERS AND SWITCHES. GENERAL CONTROL COMPANY, Boston, Mass.
Filed Oct. 25, 1946, Serial No. 511,462. Published June 28, 1949. Class 21.

443,434. PERFUMES, TOOTHPASTE. J. BEACH & CIE, SOCIETE D'EXPLOITATION DES PRODUITS BOTOT, Paris, France.
Filed Jan. 16, 1947, Serial No. 515,816. Published June 21, 1949. Class 6.

443,435. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. PARFUMERIE LUBIN SOCIETE ANONYME, Paris, France.
Filed Feb. 13, 1947, Serial No. 517,427. Published July 5, 1949. Class 6.

443,436. AIRPLANE HANGARS. ENJAY CONSTRUCTION COMPANY, Chicago, Ill.
Filed Feb. 14, 1947, Serial No. 517,465. Published May 17, 1949. Class 12.

443,437. SYNTHETIC LIQUID HYDROCARBON POLYMERS, MIXTURES OF POLYBUTENE POLYMERS AND HYDROCARBON WAXES, WETTING AND FOAMING AGENTS, ETC. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed Feb. 18, 1947, Serial No. 517,684. Published June 21, 1949. Class 6.

443,438. COLLOIDAL SULFUR AND COLLOIDAL SULFUR PREPARATIONS IN DRY FORM FOR PHARMACEUTICAL AND OTHER USES. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed Mar. 19, 1947, Serial No. 519,271. Published July 5, 1949. Class 6.

443,439. SMOKED PORK JOWLS. AMERICAN PACKING & PROVISION CO., Ogden, Utah.
Filed Apr. 3, 1947, Serial No. 520,081. Published June 28, 1949. Class 46.

443,440. FRENCH DRESSING, MAPLE FLAVOR SYRUP FOR FOOD PURPOSES, BARBECUE SAUCE, FOOD FLAVORING EXTRACT, SUCH AS GRAVY FLAVOR, FOOD FLAVORING SYRUPS, SUCH AS IMITATION VANILLA FLAVOR AND IMITATION LEMON FLAVOR, MARASCHINO CHERRIES, IMITATION RASPBERRY JELLY, RASPBERRY GELATIN DESSERT PREPARATIONS. DEL-MAR QUALITY FOOD CO., Culver City, Calif.
Filed Apr. 8, 1947, Serial No. 520,327. Published June 14, 1949. Class 46.

443,441. COFFEE. SAVAS SAVIDES, Rockaway Beach, N. Y.
Filed Apr. 23, 1947, Serial No. 521,212. Published June 28, 1949. Class 46.

443,442. BIRD SEED. WILLIAM P. SHORT, Detroit, Mich.
Filed May 8, 1947, Serial No. 522,059. Published June 21, 1949. Class 46.

443,443. FRESH CAULIFLOWER. JOHN W. LAW CO., also doing business as John W. Law, Santa Maria and Guadalupe, Calif.
Filed May 12, 1947, Serial No. 522,255. Published June 28, 1949. Class 46.

443,444. HERMETICALLY SEALED TERMINAL PANELS USED IN CONJUNCTION WITH CAN AND OTHER TYPE CLOSURES FOR HOUSING ELECTRICAL AND ELECTRONIC APPARATUS SUCH AS CONDENSERS, COILS, ETC. FUSITE CORPORATION, Cincinnati, Ohio.
Filed May 28, 1947, Serial No. 523,202. Published June 28, 1949. Class 21.

443,445. CONCENTRATED TOMATO, TOMATO SAUCE, PEELED TOMATOES, CONCENTRATED GRAPES, ETC. I. C. A. INDUSTRIE CONSERVE ALIMENTARI, Soc. An., Rome, Italy.
Filed June 28, 1947, Serial No. 525,084. Published June 21, 1949. Class 46.

443,446. READY-MIXED PAINTS, COLD WATER PAINTS, FLOOR SEALERS, FURNITURE POLISH, KALSOMINE, LINSEED OIL, PAINT AND VARNISH REMOVERS, TURPENTINE, VARNISHES, FLOOR WAX, AND FURNITURE WAX. OAKES & COMPANY, Chicago, Ill.
Filed July 1, 1947, Serial No. 525,386. Published Jan. 13, 1948. Class 16.

443,447. BEER. THE LEISY BREWING COMPANY, Cleveland, Ohio.
Filed July 2, 1947, Serial No. 525,613. Published July 12, 1949. Class 46.

FINANCE.
Claims use since June 10, 1948.

Claims use since May 6, 1946.

ACT OF 1920

These registrations are not subject to opposition.

443,448. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHN HAROLD REVELL, Shafter, Calif. Filed May 26, 1947, Serial No. 523,039.

PRECISIONER

FOR DEVICES FOR SHARPENING DENTAL AND MEDICAL INSTRUMENTS.
Claims use since Feb. 1, 1938.

ACT OF 1946, PRINCIPAL REGISTER

516,133. COOKIES. J. S. IVINS' SON, INC., Philadelphia, Pa., assignor to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa., a corporation of Illinois.
Original filed, act of 1905, June 1, 1944; amended to application under act of 1946, Principal Register, Aug. 14, 1947, Serial No. 470,834. Published June 28, 1949. Class 46.

516,134. PREPARED MUSTARD. PLOCHMAN & HARRISON, Chicago, Ill.
Original filed, act of 1905, July 7, 1944; amended to application under act of 1946, Principal Register, Oct. 21, 1947, Serial No. 471,984. Published June 28, 1949. Class 46.

516,135. LIQUID FLOOR SEALER. ALLIED HOME PRODUCTS CORPORATION, Beloit, Wis., assignee of C-Z Chemical Company.
Original filed, act of 1905, Feb. 14, 1945; amended to application under act of 1946, Principal Register, Feb. 7, 1948, Serial No. 479,773. Published July 5, 1949. Class 16.

516,136. ELECTRIC FLOOR, TABLE, BRIDGE, AND BOUDOIR LAMPS, ELECTRIC LIGHTING FIXTURES, AND LAMP SHADES. LAKE SPECIALTY Co., Chicago, Ill.
Original filed, act of 1905, Feb. 2, 1946; amended to application under act of 1946, Principal Register, Nov. 16, 1948, Serial No. 495,891. Published July 12, 1949. Class 21.

516,137. DIAMOND RINGS, RING MOUNTINGS, AND WEDDING RINGS. A. C. BECKEN Co., Chicago, Ill.
Original filed, act of 1905, Oct. 15, 1946; amended to application under act of 1946, Principal Register, May 1, 1948, Serial No. 510,878. Published June 21, 1949. Class 28.

516,138. SHAMPOO. NOPCO CHEMICAL COMPANY, Harrison, N. J., now by change of name from National Oil Products Co.
Original filed, act of 1905, Oct. 23, 1946; amended to application under act of 1946, Principal Register, Jan. 29, 1948, Serial No. 511,850. Published June 21, 1949. Class 6.

516,139. TREATED PAPER SHEETS USED IN HAIR WAVING. THE NESTLE LE MUR COMPANY, South Meriden, Conn.
Original filed, act of 1905, Nov. 9, 1946; amended to application under act of 1946, Principal Register, Sept. 22, 1948, Serial No. 512,339. Published June 21, 1949. Class 44.

516,140. CANNED CORN. MORGAN ADAMS CO. INC., Cayuga, Ind., now by change of name Morgan & Son's Canning Co., Inc.
Original filed, act of 1905, Dec. 30, 1946; amended to application under act of 1946, Principal Register, Oct. 30, 1947, Serial No. 515,009. Published June 14, 1949. Class 46.

516,141. DIAL MICROMETER GAUGES, DIAL MICROMETER INDICATORS, DIAL COMPARATORS, CYLINDER GAUGES, AND HARDNESS TESTERS, THE LATTER FOR DETERMINING THE PHYSICAL HARDNESS OR COMPRESSIBILITY OF SOLID MATERIALS BY APPLYING THERETO A PRESSURE EXERTING INSTRUMENTALITY. B. C. AMES Co., Waltham, Mass.
Original filed, act of 1905, Jan. 4, 1947; amended to application under act of 1946, Principal Register, June 22, 1948, Serial No. 515,247. Published June 14, 1949. Class 26.

516,142. ELECTRIC DISHWASHING MACHINES. THOR CORPORATION, Chicago, Ill., by change of name from Electric Household Utilities Corporation.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 1, 1947, Serial No. 515,869. Published June 28, 1949. Class 21.

516,143. MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE. LOEW'S INCORPORATED, New York, N. Y., and elsewhere.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Aug. 29, 1947, Serial No. 515,885. Published June 8, 1948. Class 36.

516,144. MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE. LOEW'S INCORPORATED, New York, N. Y.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Aug. 25, 1947, Serial No. 515,886. Published June 8, 1948. Class 36.

516,145. FLAVORING EXTRACTS FOR MEAT FLAVORING, INCLUDING SAUSAGE SEASONING, ETC. FLAVOR CORPORATION OF AMERICA, Chicago, Ill.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Dec. 12, 1947, Serial No. 521,869. Published June 28, 1949. Class 46.

516,146. NAIL POLISH, FACE, HAND, BODY, AND HAIR LOTIONS. SOCIETE ANONYME RENAUD PARIS 1817. Montreuil (Seine), France.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Sept. 13, 1947, Serial No. 523,807. Published June 28, 1949. Class 6.

516,147. LIQUID SOLVENT FOR PRESERVING AND RESTORING USED PAINT AND VARNISH BRUSHES. M & H LABORATORIES, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,613. Published June 28, 1949. Class 16.

516,148. READY MIXED PAINTS, PASTE PAINTS, PAINT ENAMELS, VARNISHES, AND STAINS. ATLANTIC VARNISH AND PAINT COMPANY, INCORPORATED, Richmond, Va.
Filed July 5, 1947, Serial No. 526,733. Published Oct. 26, 1948. Class 16.

516,149. ELECTRICAL SUCTION CLEANERS AND PARTS THEREFOR. THE HOOVER COMPANY, North Canton, Ohio.
Filed July 5, 1947, Serial No. 527,240. Published July 12, 1949. Class 21.

516,150. GLASS TUMBLERS. THE FEDERAL GLASS COMPANY, Columbus, Ohio.
Filed July 5, 1947, Serial No. 527,951. Published June 14, 1949. Class 33.

516,151. CANNED GOODS—NAMELY, NOODLE CHICKEN DINNER, CHICKEN A LA KING, BONED CHICKEN, NOODLE GIBLET DINNER, BONED TURKEY, CHICKEN FRICASSEE WITH GRAVY, WHOLE CHICKEN IN GRAVY; ETC. C. A. SWANSON & SONS, Omaha, Nebr.
Filed July 5, 1947, Serial No. 527,992. Published June 21, 1949. Class 46.

516,152. CARBON PAPER, TYPEWRITER RIBBONS, AND ADDING MACHINE RIBBONS. ROCHESTER RIBBON & CARBON CO., INC., Rochester, N. Y.
Filed July 15, 1947, Serial No. 528,645. Published June 29, 1948. Class 11.

516,153. WATCH CASES MADE OF OR COMPRISING PLATINUM, GOLD, SILVER, GOLD FILLED, STEEL, NICKEL, AND BRASS. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky.
Filed July 19, 1947, Serial No. 528,966. Published June 21, 1949. Class 27.

516,154. IMITATION VANILLA CONCENTRATE FOR FOOD USE IN FLAVORING FOODS. DR. ALEXANDER KATZ AND COMPANY, Los Angeles, Calif.
Filed July 26, 1947, Serial No. 529,856. Published June 14, 1949. Class 46.

516,155. UNITARY MECHANICAL AND ELECTRO-MECHANICAL SELECTOR MECHANISMS FOR CONTROLLING THE AUTOMATIC SELECTIVE POSITIONING OF A ROTARY SHAFT SUCH FOR EXAMPLE AS A CONDENSER OR CONTROL SHAFT OF A RADIO SET. COLLINS RADIO COMPANY, Cedar Rapids, Iowa.
Filed Aug. 1, 1947, Serial No. 530,173. Published June 28, 1949. Class 21.

516,156. FINGER RINGS. S. LAZARUS & SONS, INC., Chicago, Ill.
Filed Aug. 2, 1947, Serial No. 530,322. Published June 28, 1949. Class 28.

516,157. ORANGE FLAVORED BOTTLERS BASE FOR MAKING SOFT DRINKS. THE DREAM COMPANY, Los Angeles, Calif.
Filed Aug. 4, 1947, Serial No. 530,391. Published July 12, 1949. Class 45.

516,158. ELECTRICAL POPCORN POPPERS. BECKENMEYER AND SCHMIDT, Cincinnati, Ohio.
Filed Aug. 6, 1947, Serial No. 530,614. Published July 5, 1949. Class 21.

516,159. LUMBER PRODUCT—NAMELY, 2×4 STUDDING FOR CONSTRUCTION PURPOSE. CHENEY LUMBER COMPANY, INC., Tacoma, Wash.
Filed Aug. 8, 1947, Serial No. 530,807. Published June 28, 1949. Class 12.

516,160. SILVER-PLATED FLAT-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Aug. 9, 1947, Serial No. 530,936. Published June 28, 1949. Class 28.

516,161. ACCESSORIES FOR MUSICAL WIND INSTRUMENTS—NAMELY, MUTES. HUMES & BERG MFG. CO., INC., Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,476. Published May 31, 1949. Class 26.

516,162. FACE POWDER AND ROUGE SOLD IN PURSE-SIZE CONTAINERS. DEARBORN SUPPLY COMPANY, Chicago, Ill.
Filed Aug. 26, 1947, Serial No. 532,430. Published May 17, 1949. Class 6.

516,163. ELECTRICAL SWITCHBOARDS, ELECTRICAL PANEL BOARDS, ETC. DELTA-STAR ELECTRIC COMPANY, Chicago, Ill.
Filed Sept. 4, 1947, Serial No. 533,282. Published July 12, 1949. Class 21.

516,164. ELECTRIC ARC WELDING MACHINES AND SPOT WELDING MACHINES. ROBERT HAMILTON LENT, doing business as Tuel Manufacturing Company, Hornell, N. Y.
Filed Sept. 8, 1947, Serial No. 533,752. Published June 28, 1949. Class 21.

516,165. CANNED SALMON. BRISTOL BAY PACKING COMPANY, Seattle, Wash.
Filed Sept. 10, 1947, Serial No. 533,985. Published May 24, 1949. Class 46.

516,166. WRIST BANDS, BRACELETS, AND CHAINS FOR WATCHES, CLASPS, AND FASTENINGS THEREFOR, ETC. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,086. Published June 21, 1949. Class 28.

516,167. NOODLES, MACARONI, SPAGHETTI, AND ANALOGOUS ALIMENTARY PASTES. C. F. MUELLER CO., Jersey City, N. J., now by merger C. F. Mueller Company, a corporation of Delaware.
Filed Sept. 12, 1947, Serial No. 534,814. Published June 28, 1949. Class 46.

516,168. PREPARATION FOR THE TREATMENT OF RHEUMATISM BY INTRA-MUSCULAR INJECTIONS. GARAIL, LIMITED, London, England.
Filed Sept. 19, 1947, Serial No. 535,023. Published July 5, 1949. Class 6.

516,169. SANDWICHES. FOOD CITY DRIVE-IN, Canton, Ohio.
Filed Sept. 20, 1947, Serial No. 535,160. Published June 14, 1949. Class 46.

516,170. PORTABLE APPARATUS FOR ANALYZING FLUE GASES, BLAST FURNACE GAS, HEAT TREATING FURNACE ATMOSPHERES, AND THE LIKE. BURRELL TECHNICAL SUPPLY COMPANY, Pittsburgh, Pa.
Filed Sept. 26, 1947, Serial No. 535,792. Published June 14, 1949. Class 26.

516,171. GLASS BOTTLES FOR BEVERAGES, LIQUOR, FOODS, AND CHEMICAL COMPOSITIONS, AND GLASS TUMBLERS. THATCHER GLASS MANUFACTURING COMPANY, INC., Elmira, N. Y.
Filed Sept. 26, 1947, Serial No. 535,897. Published June 21, 1949. Class 33.

516,172. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BROOCHES, BRACELETS, NECKLACES, PENDANTS, ETC. MARCEL BOUCHER ET CIE, New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,113. Published June 21, 1949. Class 28.

516,173. PAINT SOLD IN PASTE FORM. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed Oct. 1, 1947, Serial No. 536,432. Published Oct. 19, 1948. Class 16.

516,174. WHEAT FLOUR. VAN DUSEN HARRINGTON CO., Minneapolis, Minn., operating through a division known as King Midas Flour Mills.
Filed Oct. 4, 1947, Serial No. 536,851. Published June 28, 1949. Class 46.

1949. Class 46.

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28, 1949. Class 16.

516,175. ELECTRIC MOTORS AND ELECTRIC MOTOR-ACTUATOR UNITS—NAMELY, ACTUATORS FOR AIRCRAFT CONTROLS, AIRCRAFT CONTROL SURFACES, AND ENGINE COWL FLAPS. ELECTRICAL ENGINEERING AND MANUFACTURING CORPORATION, Los Angeles, Calif.
Filed Oct. 6, 1947, Serial No. 536,882. Published July 5, 1949. Class 21.

516,176. FOOD FLAVORING EXTRACTS. VAN AMERINGEN-HAEBLER, INC., New York, N. Y.
Filed Oct. 9, 1947, Serial No. 537,375. Published May 31, 1949. Class 46.

516,177. CHEESE. KRAFT FOODS COMPANY, Chicago, Ill.
Filed Oct. 10, 1947, Serial No. 537,465. Published June 28, 1949. Class 46.

516,178. SALT. MORTON SALT COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,813. Published June 28, 1949. Class 46.

516,179. READY MIXED PAINT SOLD IN LIQUID FORM, VARNISHES, AND PAINT ENAMELS. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Oct. 17, 1947, Serial No. 538,069. Published June 28, 1949. Class 16.

516,180. CANNED DOG AND CAT FOOD. GIBSON PACKING COMPANY, doing business as American Products Company, Yakima, Wash.
Filed Oct. 18, 1947, Serial No. 538,279. Published June 28, 1949. Class 46.

516,181. STRUCTURAL STEEL ELEMENTS FOR BUILDING PURPOSES—NAMELY, STEEL I-BEAMS, CHANNELS, ANGLES, T's, Z's, ETC. THE DELANEY CO., Houston, Tex.
Filed Oct. 23, 1947, Serial No. 538,728. Published May 17, 1949. Class 12.

516,182. BEER AND ALE. SOUTHERN BREWING COMPANY, Tampa, Fla.
Filed Oct. 27, 1947, Serial No. 539,223. Published July 12, 1949. Class 48.

516,183. BEER AND ALE. F. W. COOK COMPANY, INC., Evansville, Ind.
Filed Oct. 30, 1947, Serial No. 539,499. Published July 5, 1949. Class 48.

516,184. MILITARY INSIGNIA, MILITARY BADGES, MILITARY LAPEL BUTTONS, MILITARY MEDALS, MILITARY ORNAMENTS FOR THE CAPS AND COLLARS OF UNIFORMS, AND RELIGIOUS MEDALS MADE IN WHOLE OR IN PART OR PLATED WITH PRECIOUS METALS. THE AMERICAN METAL CRAFTS COMPANY, Attleboro, Mass.
Filed Oct. 31, 1947, Serial No. 539,615. Published July 5, 1949. Class 28.

516,185. PERFUMES AND TOILET WATERS. MAIN R. BOCHER, doing business as Mainbocher, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,639. Published May 17, 1949. Class 6.

516,186. VITAMIN PREPARATION FOR INDUSTRY AND FOR VITAMIN CAPSULES SOLD TO CONSUMERS, HOSPITALS, AND INDUSTRIAL PLANTS. VITAMINS, INC., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,946. Published Nov. 23, 1948. Class 6.

516,187. ELECTRIC HORNS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed Nov. 14, 1947, Serial No. 541,112. Published June 28, 1949. Class 21.

516,188. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, ETC. L. G. BALFOUR COMPANY, Attleboro, Mass.
Filed Nov. 18, 1947, Serial No. 541,493. Published June 21, 1949. Class 28.

516,189. REFRACTORY COATING FOR BRICK SURFACES. BRICKSEAL REFRACTORY CO., Hoboken, N. J.
Filed Nov. 18, 1947, Serial No. 541,504. Published May 17, 1949. Class 12.

516,190. VOLTAGE REGULATORS. SORENSEN AND COMPANY, INC., Stamford, Conn.
Filed Nov. 19, 1947, Serial No. 541,713. Published June 28, 1949. Class 21.

516,191. AIR DRIED RED AROMATIC CEDAR LUMBER. AMERICAN LUMBER PRODUCTS, Louisville, Ky.
Filed Nov. 21, 1947, Serial No. 541,907. Published May 17, 1949. Class 12.

516,192. FOUNTAIN BRUSHES. MARSH STENCIL MACHINE COMPANY, Belleville, Ill.
Filed Aug. 14, 1947, Serial No. 542,219. Published July 5, 1949. Class 29.

516,193. CURING COMPOUND IN LIQUID FORM CONTAINING SYRUP, WATER, SODIUM NITRITE, AND SODIUM NITRATE FOR USE IN MEAT PRODUCTS; AND CURING COMPOUND IN DRY FORM CONTAINING SALT, SUGAR, FLAVORINGS, SODIUM NITRITE, AND SODIUM NITRATE FOR USE IN MEAT PRODUCTS. MEAT INDUSTRY SUPPLIERS, INC., Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 542,251. Published July 5, 1949. Class 6.

516,194. ELECTRICAL SPACE HEATERS; ELECTRICAL COMBINATION FAN AND SPACE HEATERS; ELECTRIC FANS (DESK, WALL, FLOOR STAND TYPE); ELECTRIC WATER HEATERS, ETC. HEATING & AIR CONDITIONING SUPPLY, INC., Reno, Nev.
Filed Nov. 25, 1947, Serial No. 542,313. Published June 28, 1949. Class 21.

516,195. FINGER RINGS, LOCKETS, BRACELETS, BROOCHES, NECKLACES, LAPEL PINS, ETC. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,924. Published June 21, 1949. Class 28.

516,196. CANNED FRUITS AND VEGETABLES. PORTLAND CANNING COMPANY, INC., Forest Grove and Sherwood, Oreg.
Filed Dec. 3, 1947, Serial No. 543,216. Published June 14, 1949. Class 46.

516,197. MUSICAL INSTRUMENT CASES, GUITAR NECK CORDS, PHONOGRAPH RECORD ALBUMS. H. & A. SELMER, INCORPORATED, Elkhart, Ind.
Filed Dec. 3, 1947, Serial No. 543,226. Published July 5, 1949. Class 36.

516,198. RADIO RECEIVING SETS AND RADIO TUBES. ISADORE M. JACOBSON, Peoria, Ill.
Filed Dec. 4, 1947, Serial No. 543,297. Published July 12, 1949. Class 21.

516,199. RADIO RECEIVING SETS. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed Dec. 6, 1947, Serial No. 543,667. Published June 28, 1949. Class 21.

516,200. RUBBER BATH MATS. BEH AND COMPANY, INCORPORATED, New York, N. Y.
Filed Dec. 10, 1947, Serial No. 543,874. Published June 14, 1949. Class 50.

516,201. CARBONATED BEVERAGES—NAMELY, BIRCH BEER, CHERRY SODA, CLUB SODA, CREAM SODA, GRAPE SODA, GRAPEFRUIT SODA, KOLA, LEMON SODA, LEMON-LIME SODA, LIME DRY SODA, LIME RICKEY, ORANGE SODA, ROOT BEER, SARSAPARILLA, WHITE SODA, AND RASPBERRY SODA. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,263. Published July 12, 1949. Class 45.

516,202. GREEN COFFEE. STEINWENDER, STOFFREGEN & CO., INC., New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,474. Published June 28, 1949. Class 46.

516,203. WATCHCASES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,540. Published June 21, 1949. Class 27.

516,204. HOLLOW AND FLAT SILVERWARE. THE FISHER SILVERSMITHS, INC., Jersey City, N. J., and New York, N. Y.
Filed Dec. 18, 1947, Serial No. 544,718. Published June 21, 1949. Class 28.

516,205. PIGMENTED COMPOSITION TILES FOR INTERIOR FLOORS, THE SAID COMPOSITION HAVING A BINDER OF ASPHALT OR RESIN OR A COMBINATION THEREOF. CONGOLEUM-NAIRN, INC., Kearny, N. J.
Filed Dec. 24, 1947, Serial No. 545,340. Published May 17, 1949. Class 12.

516,206. ELECTRICAL ARC WELDING MACHINES, WELDING UNITS AND PARTS THEREOF, CARBON ELECTRODES, ELECTRICAL CABLE AND ELECTRODE HOLDERS. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,513. Published June 28, 1949. Class 21.

516,207. FABRICATED WOODWORK—VIZ., FIREPLACE MANTLES; STAIR WORK; STAIR PARTS, CASEMENTS AND FRAMES THEREFOR, ETC. CARR, ADAMS & COLLINS COMPANY, Dubuque, Iowa.
Filed Dec. 27, 1947, Serial No. 545,577. Published May 31, 1949. Class 12.

516,208. MEDICINAL OIL, USED AS AN ANTISEPTIC, CARE OF SCALP, RELIEF OF COLDS, AND BRONCHIAL IRRITATION, AND INSECT BITES. NATIONAL REMEDY COMPANY, INC., White Plains, N. Y.
Filed Dec. 31, 1947, Serial No. 545,873. Published May 17, 1949. Class 6.

516,209. FRESH VEGETABLES. SAM GOLDSTINE & SON, Phoenix, Ariz.
Filed Jan. 9, 1948, Serial No. 546,580. Published June 28, 1949. Class 46.

516,210. ELECTRICAL WIRE AND CABLE. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Jan. 9, 1948, Serial No. 546,613. Published July 12, 1949. Class 21.

516,211. ELECTRICALLY OPERATED LAMPS AND LIGHTING FIXTURES AND COMPONENT PARTS THEREOF—NAMELY, TABLE LAMPS, FLOOR LAMPS, WALL AND CEILING LAMPS, LAMP BASES, LAMP STANDS, LAMP SHADES, AND GLOBES. ROYALTON LAMP & CHINA CORPORATION, Bronx, New York, N. Y.
Filed Jan. 9, 1948, Serial No. 546,616. Published July 12, 1949. Class 21.

516,212. FINGER RINGS. THE SAMSAN COMPANY, Providence, R. I.
Filed Jan. 9, 1948, Serial No. 546,619. Published June 21, 1949. Class 28.

516,213. FRONT SURFACE MIRRORS FOR USE IN DENTAL, MEDICAL, AND SURGICAL APPARATUS. SEMON BACHE & COMPANY, New York, N. Y.
Filed Sept. 20, 1947, Serial No. 547,386. Published June 21, 1949. Class 44.

516,214. CANNED VEGETABLES, CANNED FRUITS, TOMATO CATSUP, AND CHILI SAUCE. HARRY H. BRAKELEY, JR., doing business as The Brakeley Canning Co., and The Brakeley Food Products Co., Bordentown, N. J.
Filed Jan. 19, 1948, Serial No. 547,422. Published June 28, 1949. Class 46.

516,215. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BROOCHES, PENDANTS, NECKLACES, CLIPS, EARRINGS, AND TIE CLASPS. BARKER & BARKER, INC., Providence, R. I.
Filed Jan. 22, 1948, Serial No. 547,693. Published June 21, 1949. Class 28.

516,216. NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, ETC. CORO, INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,333. Published June 21, 1949. Class 28.

516,217. ELECTRICAL APPARATUS—NAMELY, LIGHTING FIXTURES, ADVERTISING AND DISPLAY SIGNS. RICHARD V. STAAF, Crafton, Pa.
Filed Jan. 31, 1948, Serial No. 548,543. Published June 28, 1949. Class 21.

516,218. GRILLES FOR RADIO AND TELEVISION SETS. CRONAME, INCORPORATED, Chicago, Ill.
Filed Feb. 4, 1948, Serial No. 548,718. Published July 12, 1949. Class 21.

516,219. APPLICATOR OR SHORT-HANDLED CLEANING MOP FOR USE IN CLEANING AND DEODORIZING DAIRY EQUIPMENT, HOSPITAL EQUIPMENT, TOILET BOWLS, AND OTHER SIMILAR ITEMS. SKASOL CORPORATION, Webster Groves, Mo.
Filed Feb. 7, 1948, Serial No. 549,092. Published June 21, 1949. Class 29.

516,220. CHEMICALS USED IN THE TREATMENT OF WELLS, SUCH AS OIL, GAS, BRINE, AND WATER WELLS—NAMELY, ACIDS, ACID INHIBITORS, ALKALIES, SALTS, PARAFFIN SOLVENTS, SURFACE-ACTIVE AGENTS, SEQUESTERING AGENTS, RESIN-FORMING COMPOSITIONS, AND FILLERS. DOWELL INCORPORATED, Midland, Mich., assignor to Dowell Incorporated, Wilmington, Del., a corporation of Delaware.
Filed Feb. 9, 1948, Serial No. 549,136. Published July 5, 1949. Class 6.

516,221. NECKTIE HOLDERS, COLLAR FASTENERS, BELT BUCKLES, MONEY HOLDERS, AND KEY HOLDERS, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Feb. 10, 1948, Serial No. 549,247. Published June 21, 1949. Class 28.

516,222. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, COLLAR BUTTONS, ETC. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Feb. 10, 1948, Serial No. 549,248. Published June 21, 1949. Class 28.

516,223. BELT BUCKLES, KEY CHAINS, COLLAR BARS, CUFF LINKS, NECKTIE HOLDERS, NECK CHAINS, AND LAPEL BUTTONS, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Feb. 10, 1948, Serial No. 549,256. Published June 21, 1949. Class 28.

516,224. BROOMS. THE MOREY MERCANTILE COMPANY, Denver, Colo.
Filed Nov. 22, 1947, Serial No. 549,392. Published June 28, 1949. Class 29.

516,225. BROOMS. THE MOREY MERCANTILE COMPANY, Denver, Colo.
Filed Nov. 22, 1947, Serial No. 549,393. Published June 28, 1949. Class 29.

516,226. PERFUMES, TOILET WATER, SACHET POWDER, TALCUM POWDER, DUSTING POWDER, AND BATH POWDER. BOMBI, INC., West Haven, Conn., and New York, N. Y.
Filed Feb. 12, 1948, Serial No. 549,498. Published July 5, 1949. Class 6.

516,227. NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, ORNAMENTAL PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER—NAMELY, COMPACTS; COMB CASES, AND JEWELRY INITIALS. Coro, Inc., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 549,716. Published July 5, 1949. Class 28.

516,228. GERMICIDE DISINFECTANT, ICE BOX DEODORIZER, ROACH AND ANT POWDER, POWDER SOLVENT FOR CLOGGED DRAINS, AIR SWEETENER FOR ELIMINATION OF DISAGREEABLE INDOOR ODORS, ANTISEPTIC MOUTH WASH, AND CREAM DEODORANT FOR PERSONAL USE. Modern Methods, Incorporated, Atlanta, Ga.
Filed Feb. 18, 1948, Serial No. 550,056. Published July 12, 1949. Class 6.

516,229. ELECTRICAL SOUND RECORDING, AMPLIFYING, AND REPRODUCING MACHINES. Precision Audio Products Inc., New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,070. Published July 5, 1949. Class 21.

516,230. INSULATED AND UNINSULATED WIRE FOR ELECTRICAL USE, SUCH AS RADIO WIRE, ELECTRONIC AND INTERCOMMUNICATING WIRES AND CABLES, AERIAL WIRE, ETC. Cornish Wire Company Incorporated, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 550,312. Published July 12, 1949. Class 21.

516,231. FLASHLIGHTS, CRYSTAL PICKUP UNITS FOR ELECTRICAL PHONOGRAPHS, LIGHTNING ARRESTERS FOR RADIO APPARATUS. Radio Corporation of America, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 550,346. Published July 5, 1949. Class 21.

516,232. TELEVISION RECEIVING APPARATUS. North American Philips Company, Inc., Dobbs Ferry, N. Y.
Filed Feb. 25, 1948, Serial No. 550,545. Published July 12, 1949. Class 21.

516,233. METALLIC ANODES FOR ELECTROLYTICALLY PREVENTING CORROSION OF HOT WATER HEATERS. K. T. Vangsness, doing business as The Vanode Company, Pasadena, Calif.
Filed Mar. 1, 1948, Serial No. 550,973. Published July 12, 1949. Class 21.

516,234. FRESH CITRUS FRUITS AND VEGETABLES. Chase & Company, Sanford, Fla.
Filed Mar. 3, 1948, Serial No. 551,086. Published June 21, 1949. Class 46.

516,235. GLYCEROPHOSPHATES COMPOUND AND VITAMIN B-COMPLEX IN DOSAGE FORM, FOR USE AS A TONIC, STIMULANT, AND APPETIZER. Wyeth Incorporated, Philadelphia, Pa.
Filed Mar. 30, 1948, Serial No. 551,194. Published July 12, 1949. Class 6.

516,236. LINIMENT LOTION. Julius Elliot Froom, doing business as Elliot Pharmacal Company, Omaha, Nebr.
Filed Mar. 9, 1948, Serial No. 551,555. Published Nov. 9, 1948. Class 6.

516,237. AFTER SHAVE LOTION AND TALC POWDER. Colgate-Palmolive-Peet Company, Jersey City, N. J.
Filed Mar. 10, 1948, Serial No. 551,609. Published May 17, 1949. Class 6.

516,238. PARADICHLOROBENZENE, CALCIUM CHLORIDE COMPOUND, CHEMICALS USED TO ACIDIFY SOIL, CHEMICALS USED TO PRESERVE EGGS, ETC. Fabst & Brothoff, Inc., New York, N. Y.
Filed Mar. 10, 1948, Serial No. 551,628. Published July 5, 1949. Class 6.

516,239. TROLLEY HARPS, SLIDERS, AND WHEEL BUSHINGS, TROLLEY WIRE AND CABLE SPLICERS, TROLLEY WIRE CONNECTORS, AND TAPS, TROLLEY WIRE HANGERS AND CLAMPS, TROLLEY WIRE FROGS AND CLAMPS, REPAIR PARTS FOR SLIDERS, TROLLEY WIRE GUARD BOARD CLAMPS, TROLLEY WIRE SWITCHES. Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa.
Filed Mar. 12, 1948, Serial No. 551,779. Published July 5, 1949. Class 21.

516,240. INEDIBLE REFILL WAFERS IMPREGNATED WITH VOLATILE BREATH-SWEETENING AGENTS FOR USE IN AN ORAL INHALER. Sigma Products Corporation, New York, N. Y.
Filed Mar. 16, 1948, Serial No. 552,090. Published July 5, 1949. Class 6.

516,241. FRICTION TAPE PRIMARILY FOR ELECTRICAL INSULATION PURPOSES. Boston Woven Hose & Rubber Company, Cambridge, Mass.
Filed Mar. 17, 1948, Serial No. 552,114. Published July 12, 1949. Class 21.

516,242. CAMERAS AND PROJECTORS FOR MOTION PICTURE AND STILL PICTURE PHOTOGRAPHY AND PARTS THEREOF. Coutant & Mathot, Paris, France.
Filed Mar. 23, 1948, Serial No. 552,750. Published June 14, 1949. Class 26.

516,243. CHILLI-POWDER SEASONINGS. Alfred M. Hilmer, Springfield, Ill.
Filed Mar. 23, 1948, Serial No. 552,775. Published June 28, 1949. Class 46.

516,244. ELECTRICALLY OPERATED VACUUM CLEANERS FOR DOMESTIC USE. Spiegel, Inc., Chicago, Ill.
Filed Mar. 24, 1948, Serial No. 552,887. Published July 12, 1949. Class 21.

516,245. ELECTRIC FANS. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Mar. 24, 1948, Serial No. 552,909. Published July 5, 1949. Class 21.

516,246. ELECTRIC LIGHTING FIXTURES. Kent-Moore Organization Inc., Detroit, Mich.
Filed Mar. 25, 1948, Serial No. 552,989. Published July 12, 1949. Class 21.

516,247. ELECTRIC FANS. Westinghouse Electric Corporation, East Pittsburgh, Pa.
Filed Mar. 27, 1948, Serial No. 553,229. Published July 12, 1949. Class 21.

516,248. RADIO AND TELEVISION RECEIVING SETS. Stromberg-Carlson Company, Rochester, N. Y.
Filed Mar. 30, 1948, Serial No. 553,421. Published July 12, 1949. Class 21.

516,249. STORAGE BATTERIES AND THEIR PARTS. The Electric Storage Battery Company, Philadelphia, Pa.
Filed Apr. 1, 1948, Serial No. 553,580. Published July 12, 1949. Class 21.

516,250. ELECTRICALLY HEATED SOLDERING IRONS. Emil H. Greibach, New Rochelle, N. Y.
Filed Apr. 1, 1948, Serial No. 553,618. Published July 12, 1949. Class 21.

516,251. ATOMIZERS. T. J. Holmes Co., Inc., Chartley, Mass.
Filed Apr. 2, 1948, Serial No. 553,703. Published June 21, 1949. Class 44.

516,252. ELECTRICALLY OPERATED MECHANISM FOR OPENING AND CLOSING GARAGE DOORS. Federal Industries, Inc., Detroit, Mich.
Filed Apr. 5, 1948, Serial No. 553,837. Published July 5, 1949. Class 21.

516,253. ELECTRICAL RESISTORS. Continental Carbon, Inc., Cleveland, Ohio.
Filed Apr. 7, 1948, Serial No. 554,010. Published July 12, 1949. Class 21.

516,254. TELEVISION RECEIVING SETS AND PARTS THEREOF. The Magnavox Company, Fort Wayne, Ind.
Filed Apr. 8, 1948, Serial No. 554,137. Published July 12, 1949. Class 21.

516,255. SILVERWARE—NAMELY, PLATED AND STERLING HOLLOW-WARE AND FLATWARE. Reed & Barton, Taunton, Mass.
Filed Apr. 8, 1948, Serial No. 554,159. Published June 21, 1949. Class 28.

516,256. SILVERWARE—NAMELY, PLATED AND STERLING HOLLOW-WARE AND FLATWARE. Reed & Barton, Taunton, Mass.
Filed Apr. 8, 1948, Serial No. 554,160. Published June 21, 1949. Class 28.

516,257. RADIO AND TELEVISION MASTS AND ANTENNAE. Lite Parts Company, Plainfield, N. J.
Filed Apr. 9, 1948, Serial No. 554,237. Published July 12, 1949. Class 21.

516,258. HAND MOP WITH COTTON MATERIAL ON THE END THEREOF; WAX HAND MOP WITH LAMBS WOOL ATTACHED TO THE END THEREOF. West Disinfecting Company, Long Island City, N. Y.
Filed Apr. 12, 1948, Serial No. 554,453. Published June 21, 1949. Class 29.

516,259. MALTLESS SOFT DRINK BEVERAGES. Stuart Hall Co., Chicago, Ill.
Filed Apr. 20, 1948, Serial No. 555,113. Published July 5, 1949. Class 45.

516,260. COSTUME JEWELRY. Lilly Dache, Inc., New York, N. Y.
Filed Apr. 22, 1948, Serial No. 555,253. Published June 21, 1949. Class 28.

516,261. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACT FOR MAKING THE SAME. Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa.
Filed Apr. 23, 1948, Serial No. 555,438. Published July 5, 1949. Class 45.

516,262. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa.
Filed Apr. 23, 1948, Serial No. 555,439. Published July 5, 1949. Class 45.

516,263. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa.
Filed Apr. 23, 1948, Serial No. 555,440. Published July 5, 1949. Class 45.

516,264. STARTER SWITCHES FOR FLUORESCENT LAMPS. Dura Electric Lamp Co., Inc., Newark, N. J.
Filed Apr. 24, 1948, Serial No. 555,488. Published June 28, 1949. Class 21.

516,265. HAEMOSTATIC FORCEPS, HOLDERS FOR SURGICAL NEEDLES, TISSUE FORCEPS, SKIN CLIPS, OPERATING SCISSORS, AND DISSECTING SCISSORS. Master Surgical Instrument Corp., Irvington, N. J.
Filed Apr. 24, 1948, Serial No. 555,550. Published May 24, 1949. Class 44.

516,266. ANTIBACTERIAL PREPARATION. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Apr. 26, 1948, Serial No. 555,633. Published May 17, 1949. Class 6.

516,267. BEER. John A. Willoughby, doing business as J. A. Willoughby Company, Falls Church, Va.
Filed Apr. 26, 1948, Serial No. 555,642. Published July 5, 1949. Class 48.

516,268. PRINTING INKS. Western Newspaper Union, Omaha, Nebr., and Dover, Del.
Filed Apr. 27, 1948, Serial No. 555,715. Published Dec. 21, 1948. Class 11.

516,269. CAPACITORS. John E. Fast & Co., Chicago, Ill.
Filed May 1, 1948, Serial No. 556,003. Published June 28, 1949. Class 21.

516,270. CAPACITORS. John E. Fast & Co., Chicago, Ill.
Filed May 1, 1948, Serial No. 556,004. Published June 28, 1949. Class 21.

516,271. PIGMENT MATERIAL FOR PAINTS AND VARNISHES HAVING INCIDENTAL INSULATING QUALITIES. Interchemical Corporation, New York, N. Y.
Filed May 3, 1948, Serial No. 556,102. Published June 28, 1949. Class 16.

516,272. NON-ALCOHOLIC MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS. Big Top Beverages, Inc., Dallas, Tex.
Filed May 5, 1948, Serial No. 556,242. Published July 5, 1949. Class 45.

516,273. SYRUPS USED FOR PREPARATION OF CARBONATED AND NON-CARBONATED, NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Lou Gottlieb & Son, Inc., Philadelphia, Pa.
Filed May 5, 1948, Serial No. 556,258. Published July 5, 1949. Class 45.

516,274. WATCHES, WATCH CASES, AND WATCH MOVEMENTS AND PARTS THEREOF. Kelbert Watch Company, New York, N. Y.
Filed May 7, 1948, Serial No. 556,454. Published June 21, 1949. Class 27.

516,275. WATCHES. Abe A. Friedman, Augusta, Ga.
Filed Aug. 5, 1948, Serial No. 556,627. Published June 21, 1949. Class 27.

516,276. SOLENOIDS, MECHANISMS INCORPORATING SOLENOIDS—NAMELY, VALVES FOR HEATING AND COOKING DEVICES, HYDRAULIC VALVES, WATER, STEAM, AND AIR VALVES, AND ELECTRIC CONTACTORS. McQuay-Norris Manufacturing Co., St. Louis, Mo.
Filed May 10, 1948, Serial No. 556,643. Published June 28, 1949. Class 21.

516,277. BROOMS. Safeway Stores, Incorporated, Oakland, Calif.
Filed May 14, 1948, Serial No. 557,078. Published June 28, 1949. Class 29.

516,278. PERFUMED LOTIONS AND UNGUENTS FOR THE HAIR. Nadal Antelmo Jamet, Habana, Cuba.
Filed May 18, 1948, Serial No. 557,298. Published July 5, 1949. Class 6.

516,279. JEWELRY FOR PERSONAL WEAR—NAMELY, BRACELETS. Theresa G. Brogan, doing business as J. M. Hall Co., Providence, R. I.
Filed May 19, 1948, Serial No. 557,339. Published July 5, 1949. Class 28.

516,280. TONIC PREPARATION FOR THE PRESERVATION OF THE HAIR. Perfumeria Gal, S. A., Madrid, Spain.
Filed May 25, 1948, Serial No. 557,774. Published July 12, 1949. Class 6.

516,281. INSECT REPELLENT. Sayman Products Company, St. Louis, Mo.
Filed May 27, 1948, Serial No. 557,965. Published July 12, 1949. Class 6.

17, 1949. Class 6.

21, 1949. Class 44.

24, 1949. Class 44.

516,282. EAU DE COLOGNE. J. & E. ATKINSON LIMITED, London, England.
Filed June 4, 1948, Serial No. 558,443. Published July 5, 1949. Class 6.

516,283. COMPRESSED INDUSTRIAL GAS. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed June 4, 1948, Serial No. 558,503. Published July 5, 1949. Class 6.

516,284. OINTMENT. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed June 5, 1948, Serial No. 558,582. Published June 28, 1949. Class 6.

516,285. STERLING SILVER FLATWARE, AND STERLING SILVER AND SILVERPLATED HOLLOW WARE. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn.
Filed June 8, 1948, Serial No. 558,705. Published June 21, 1949. Class 28.

516,286. PENICILLIN COMPOUND. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed June 11, 1948, Serial No. 559,000. Published July 12, 1949. Class 6.

516,287. BARIUM MEAL FOR THE PURPOSE OF FLUOROSCOPING OR MAKING RADIOGRAPHS OF THE GASTROINTESTINAL TRACT. BUCK X-OGRAPH COMPANY, St. Louis, Mo.
Filed June 11, 1948, Serial No. 559,003. Published July 12, 1949. Class 6.

516,288. FINGER RINGS. KOVEN BROS., New York, N. Y.
Filed June 23, 1948, Serial No. 560,025. Published June 28, 1949. Class 28.

516,289. STERLING SILVER FLATWARE, HOLLOWWARE, AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed June 26, 1948, Serial No. 560,263. Published June 21, 1949. Class 28.

516,290. PEARL NECKLACES AND EARRINGS. VALJEAN PEARL CORP., Brooklyn, N. Y.
Filed June 28, 1948, Serial No. 560,368. Published June 21, 1949. Class 28.

516,291. STERLING SILVER FLATWARE AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed June 29, 1948, Serial No. 560,897. Published June 21, 1949. Class 28.

516,292. SUN GLASSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed July 9, 1948, Serial No. 560,962. Published June 14, 1949. Class 26.

516,293. SPECTACLE FRAMES AND MOUNTINGS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed July 9, 1948, Serial No. 560,963. Published June 14, 1949. Class 26.

516,294. POLYVITAMIN MEDICINAL PREPARATION. ENDO PRODUCTS INC., Richmond Hill, N. Y.
Filed July 10, 1948, Serial No. 561,104. Published July 12, 1949. Class 6.

516,295. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed July 17, 1948, Serial No. 561,624. Published June 21, 1949. Class 27.

516,296. LADIES' COSTUME JEWELRY CONSISTING OF NECKLACES, EARRINGS, BRACELETS, AND BROOCHES. PROGRESS JEWELRY MFG. CO., Providence, R. I.
Filed July 17, 1948, Serial No. 561,640. Published June 21, 1949. Class 28.

516,297. GOLD AND SILVER JEWELRY—NAMELY, CUFF LINKS, BRACELETS, FINGER RINGS, PENDANTS, NECK CHAINS, EARRINGS, BROOCHES, ORNAMENTAL CLIPS. STIG B. H. ENGELBERT, Stockholm, Sweden.
Filed July 20, 1948, Serial No. 561,738. Published July 5, 1949. Class 28.

516,298. SILVERPLATED WARE—NAMELY, SILVERPLATED FLATWARE, HOLLOWWARE, AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed July 20, 1948, Serial No. 561,744. Published June 21, 1949. Class 28.

516,299. RATICIDES, INSECTICIDES, AND FUNGICIDES. DAVID M. LENGER, doing business as Africano Laboratories, New York, N. Y.
Filed July 22, 1948, Serial No. 561,869. Published July 5, 1949. Class 6.

516,300. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES, ETC. HARVEY & OTIS, INCORPORATED, Providence, R. I.
Filed July 26, 1948, Serial No. 562,186. Published July 5, 1949. Class 28.

516,301. BATH ROOM SCALES. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed July 29, 1948, Serial No. 562,429. Published June 14, 1949. Class 26.

516,302. ADDING MACHINES. CLARY MULTIPLIER CORPORATION, Los Angeles, Calif.
Filed July 30, 1948, Serial No. 562,540. Published June 14, 1949. Class 26.

516,303. PHARMACEUTICAL PRODUCT CONTAINING PENICILLIN, INCLUDING, BUT NOT LIMITED TO, TROCHES FOR TREATMENT OF INFECTIONS AND IRRITATIONS OF THE MOUTH AND THROAT, OR THE LIKE. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed Aug. 2, 1948, Serial No. 562,669. Published July 5, 1949. Class 6.

516,304. PEARL NECKLACES, PEARL BRACELETS, ETC. CORO, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,315. Published June 21, 1949. Class 28.

516,305. PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS. CORO, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,316. Published June 21, 1949. Class 28.

516,306. PEARL NECKLACES, PEARL BRACELETS, ETC. CORO, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,317. Published June 21, 1949. Class 28.

516,307. PEARL NECKLACES, PEARL BRACELETS, ETC. CORO, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,319. Published June 21, 1949. Class 28.

516,308. PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS. CORO, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,320. Published July 5, 1949. Class 28.

516,309. PEARL JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, NECKLACES, FINGER RINGS, BREAST PINS, EARRINGS, BRACELETS, AND LOOSE OR UNSET PEARLS SOLD AS SUCH. THE SEA GEM COMPANY, INC., New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,369. Published July 5, 1949. Class 28.

516,310. PEARL NECKLACES, PEARL BRACELETS, ETC. CORO, INC., New York, N. Y.
Filed Aug. 14, 1948, Serial No. 563,397. Published June 21, 1949. Class 28.

516,311. PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS. CORO, INC., New York, N. Y.
Filed Aug. 14, 1948, Serial No. 563,398. Published July 5, 1949. Class 28.

516,312. LINIMENT FOR THE TREATMENT OF MUSCULAR ACHES AND PAINS, BRUISES, BITES, STRAINS, SPRAINS, BURNS, FROSTBITES, STINGS, AND BITES OF INNOCUOUS INSECTS. AMY T. SIMPSON, Orange, Mass.
Filed Aug. 16, 1948, Serial No. 563,503. Published July 5, 1949. Class 6.

516,313. OINTMENTS. ALLEN & HANBURYS, LIMITED, London, England.
Filed Aug. 18, 1948, Serial No. 563,650. Published July 12, 1949. Class 6.

516,314. COSMETIC ROUGE. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere.
Filed Mar. 19, 1948, Serial No. 563,981. Published June 14, 1949. Class 6.

516,315. STERLING SILVER FLATWARE AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed Aug. 31, 1948, Serial No. 564,447. Published July 5, 1949. Class 28.

516,316. STERLING SILVER AND SILVER PLATED HOLLOW-WARE—NAMELY, SILVER TRAYS, AND CANDLESTICKS. THE WHISTLING OYSTER, Ogunquit, Maine.
Filed Aug. 31, 1948, Serial No. 564,493. Published July 5, 1949. Class 28.

516,317. PERFUME PIN, MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME. JACQUELINE COCHRAN, INC., Newark, N. J.
Filed Sept. 15, 1948, Serial No. 565,174. Published July 5, 1949. Class 28.

516,318. PREPARATION USED FOR THE TREATMENT OF COUGHS, COLDS, AND INFLAMMATION IN THE UPPER RESPIRATORY TRACT. G. W. CARNRICK CO., Newark, N. J.
Filed Sept. 16, 1948, Serial No. 565,283. Published July 5, 1949. Class 6.

516,319. TOOTHBRUSHES, HAIR BRUSHES, NAIL BRUSHES, AND SHAVING BRUSHES. HALEX LIMITED, London, England.
Filed Aug. 31, 1948, Serial No. 566,276. Published June 28, 1949. Class 29.

516,320. TOOTHBRUSHES, HAIR BRUSHES, NAIL BRUSHES, AND SHAVING BRUSHES. HALEX LIMITED, London, England.
Filed Sept. 24, 1948, Serial No. 566,288. Published June 21, 1949. Class 29.

516,321. DIURETIC, STIMULANT, AND GERMICIDE FOR USE IN TREATMENT OF NEPHRITIS, CYSTITIS, DROPSY. HATO COMPANY, New Orleans, La., assignor to Hato Company, Inc., New Orleans, La., a corporation of Louisiana.
Filed Oct. 25, 1948, Serial No. 567,580. Published July 5, 1949. Class 6.

516,322. ROUGE AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed Oct. 29, 1948, Serial No. 567,865. Published July 12, 1949. Class 6.

516,323. CANDY. DEBAN CONFECTIONERY CO., INC., Cambridge, Mass.
Filed Mar. 11, 1949, Serial No. 575,255. Published June 28, 1949. Class 46.

Service Marks

516,324. HOME-TO-HOME, HOUSEHOLD GOODS MOVING SERVICE BY MOTOR VAN. CONSOLIDATED FREIGHTWAYS, INC., Portland, Oreg.
Filed Oct. 23, 1947, Serial No. 538,724. Published July 12, 1949. Class 55.

516,325. UNDERWRITING OF HOSPITALIZATION AND ACCIDENT INSURANCE. MUTUAL HOSPITALIZATION INSURANCE COMPANY, Wilmington, Del.
Filed Nov. 18, 1947, Serial No. 541,017. Published July 12, 1949. Class 55.

516,326. LIFE INSURANCE BROKERAGE AND INSTRUCTION IN LIFE INSURANCE SALESMANSHIP. HARRY W. SHIELDS, doing business under the name and style of H. W. Shields & Associates, Milwaukee, Wis.
Filed Feb. 11, 1948, Serial No. 549,468. Published July 5, 1949. Class 55.

516,327. ELECTRICAL ENGINEERING AND CONTRACTING SERVICE—NAMELY, THE DESIGN, LAYOUT, AND INSTALLATION OF COMMERCIAL AND INDUSTRIAL ELECTRICAL SYSTEMS, EQUIPMENT, APPARATUS, FIXTURES AND CIRCUITS, AND THE REPAIR AND REMODELING OF THE SAME. CRESCENT ENGINEERING COMPANY, Chicago, Ill., assignor to Crescent Engineering Company, Chicago, Ill., a corporation of Illinois.
Filed Feb. 18, 1948, Serial No. 550,026. Published June 28, 1949. Class 55.

516,328. PURCHASING SERVICE—NAMELY, THE PURCHASING IN PARIS AND AIR SHIPMENT OF ARTICLES SELECTED FROM THE APPLICANT'S CATALOGUE. PARIS AIRSHOPPING SERVICE, INC., New York, N. Y.
Filed Sept. 1, 1948, Serial No. 564,521. Published July 12, 1949. Class 55.

516,329. SERVICES IN BRIGHTENING THE SURFACES OF ALUMINUM AND OTHER METAL ARTICLES BY CHEMICAL TREATMENT. PHILADELPHIA RUST-PROOF CO., Philadelphia, Pa.
Filed Sept. 2, 1948, Serial No. 564,582. Published July 12, 1949. Class 55.

516,330. DYEING AND CHEMICALLY PROCESSING ACETATE PIECE GOODS TO IMPART THERETO ANTI-GAS FADING PROPERTIES. TRIANGLE FINISHING CORP., Johnstown, N. Y.
Filed Sept. 3, 1948, Serial No. 564,666. Published May 10, 1949. Class 55.

516,331. TRANSPORTATION BY MOTOR VEHICLE OF GENERAL COMMODITIES IN INTERSTATE COMMERCE. RED STAR EXPRESS LINES OF AUBURN, INC., Auburn, N. Y.
Filed July 22, 1948, Serial No. 564,682. Published July 12, 1949. Class 55.

21, 1949. Class 28.

5, 1949. Class 28.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

516,332. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Original filed, act of 1905, May 16, 1947; amended to application under act of 1946, Supplemental Register, July 16, 1948, Serial No. 522,532.

SCOTCH PLAID

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since May 12, 1947.

516,333. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WYNDALE MANUFACTURING CORPORATION, Indianapolis, Ind. Original filed, act of 1946, Principal Register, Nov. 6, 1947; amended to application, Supplemental Register, July 25, 1949, Serial No. 540,346.

POPPER-PLUS

FOR COMBINATION UNITS CONSISTING OF A SMALL ELECTRIC GRILL OR STOVE, A KETTLE OF SPECIAL CONSTRUCTION FITTED TO THE STOVE, AND A LID FOR THE KETTLE, THE UNITS BEING OF MULTIPLE COOKING USES BUT MORE ESPECIALLY FOR POPPING POPCORN.
Claims use since Nov. 15, 1945.

516,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENTON-LEE CORPORATION, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Jan. 2, 1948; amended to application, Supplemental Register, July 22, 1949, Serial No. 545,948.

Benton's

FOR SHREDDED COCONUT, TAPIOCA DESSERT, TAPIOCA.
Claims use since Dec. 16, 1947.

516,335. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN PLAN, INC., Boston, Mass. Filed July 21, 1948, Serial No. 561,791.

PULLMAN

FOR ELECTRICALLY OPERATED INDUSTRIAL VACUUM CLEANERS.
Claims use since July 10, 1947.

516,336. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PUL-A-WAY PRODUCTS LIMITED, Toronto, Ontario, Canada. Original filed, act of 1946, Principal Register, Jan. 3, 1949; amended to application, Supplemental Register, July 14, 1949, Serial No. 571,575.

PUL-A-WAY

Applicant claims ownership of Canadian Registration No. N. S. 26,447/102, dated June 30, 1947.
FOR POWDERED MATERIAL FOR REDUCING SLIPPAGE ON SLIPPERY SURFACE.

TRADE-MARK REGISTRATIONS RENEWED

68,531. "THE CASTLE BRAND" AND REPRESENTATION OF CASTLE. Registered Apr. 14, 1908. Aktiebolaget Sveriges Forenade Konservfabriker, Gottenborg, Sweden, a corporation organized under the laws of the Kingdom of Sweden. Re-renewed Apr. 14, 1948. PRESERVED FISH. Class 46.

73,503. REPRESENTATION OF MAN. Registered Apr. 27, 1909. Arthur A. Williams, doing business as Arthur A. Williams Shoe Company, Wayland and Holliston, Mass. Re-renewed Apr. 27, 1949, to Arthur A. Williams, Holliston, Mass. LEATHER BOOTS AND SHOES. Class 39.

74,178. ROYAL. Registered June 22, 1909. Japanese Tissue Mills. Re-renewed June 22, 1949, to American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts. DECORATED OR ORNAMENTAL CRAPE PAPER NAPKINS. Class 37.

74,451. BAILEY'S. Registered July 13, 1909. Sarah Dow Gilman. Re-renewed July 13, 1949, to Osmon B. Gilman, doing business as Bailey's, Boston, Mass. CHOCOLATES AND ALL KINDS OF CANDIES. Class 46.

74,733. "SÄKERHETS-TÄNDSTICKOR" ETC. AND REPRESENTATION OF FOUR PRIZE MEDALS. Registered Aug. 3, 1909. Jonkopings Och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden, a corporation organized under the laws of Sweden. Re-renewed Aug. 3, 1949. MATCHES. Class 9.

246,187. JUNIOR-HIGH. Registered Sept. 4, 1928. Harry Linsk, doing business as H. Linsk & Co. Renewed Sept. 4, 1948, to Linsk of Philadelphia, Inc., Philadelphia, Pa., a corporation of Pennsylvania. CHILDREN'S AND MISSES' DRESSES. Class 39.

254,715. TREASURE. Registered Mar. 26, 1929. Spaulding Bakeries, Inc., Binghamton, N. Y., a corporation of New York. Renewed Mar. 26, 1949. FRUIT CAKE. Class 46.

255,701. "NOBREAK" AND BACKGROUND DESIGN. Registered Apr. 30, 1929. R. J. Ederer Thread Co. Renewed Apr. 30, 1949, to Ederer, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. THREADS. Class 43.

256,101. THOROUGHBRED. Registered May 7, 1929. Harris-Polk Hat Company. Renewed May 7, 1949, to Harris Langenberg Hat Company, St. Louis, Mo., a corporation of Missouri. MEN'S HATS AND CAPS. Class 39.

256,102. "THOROUGHBRED" AND DESIGN. Registered May 7, 1929. Harris-Polk Hat Company. Renewed May 7, 1949, to Harris Langenberg Hat Company, St. Louis, Mo., a corporation of Missouri. MEN'S HATS AND CAPS. Class 39.

257,053. SUPERCOTE. Registered May 28, 1929. The Garland Company, Cleveland, Ohio, a corporation of Ohio. Renewed May 28, 1949. ASBESTOS FABRICATED MATERIAL FOR WATERPROOFING ROOFS. Class 12.

257,815. CREAM-O-MILK. Registered June 18, 1929. Flory Milling Company, Inc., Bangor, Pa., a corporation of Pennsylvania. Renewed June 18, 1949. DAIRY FEEDS. Class 46.

257,899. ORONITE. Registered June 18, 1929. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Renewed June 18, 1949, to Oronite Chemical Company, San Francisco, Calif., a corporation of Delaware. INSECTICIDES, DISINFECTANTS, AND GERMICIDES, INCLUDING POULTRY-HOUSE SPRAY, LIVESTOCK OIL, AND FLY SPRAY, ETC. Class 6.

257,944. "BRIARGATE" AND PICTURESQUE DESIGN. Registered June 25, 1929. Walgreen Co., Chicago, Ill., a corporation of Illinois. Renewed June 25, 1949. TOBACCO PRODUCTS—NAMELY, PIPE TOBACCO, CHEWING TOBACCO, CIGARS, ETC. Class 17.

257,970. SUPER FIBRE. Registered June 25, 1929. National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 25, 1949. PAPER-BOX BOARD IN THE PIECE. Class 37.

258,004. RAINBOW. Registered June 25, 1929. Manatee Crate Company, Inc., Manatee, Fla. Renewed June 25, 1949, to Nocatee-Manatee Crate Company, Nocatee, Fla., a corporation of Florida. FRUIT AND VEGETABLE HAMPERS. Class 2.

258,555. PAZO. Registered July 9, 1929. Paris Medicine Co. Renewed July 9, 1949. The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware. OINTMENT FOR THE TREATMENT OF PILES OR HEMORRHOIDS. Class 6.

258,559. "NUJOL" AND LABEL DESIGN. Registered July 9, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 9, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. Class 6.

258,583. MONOGRAM CNX. Registered July 9, 1929. Corning Glass Works, Corning, N. Y., a corporation of New York. Renewed July 9, 1949. GLASS LANTERN AND LAMP GLOBES AND CHIMNEYS. Class 33.

258,849. TEK. Registered July 16, 1929. Johnson & Johnson, New Brunswick, N. J. Renewed July 16, 1949, to Tek Hughes, Inc., New York, N. Y., a corporation of New York. TOOTHBRUSHES. Class 29.

258,863. "OUTDOOR LIFE" ETC. Registered July 16, 1929. The Outdoor Life Publishing Company, Denver, Colo. Renewed July 16, 1949, to Popular Science Publishing Company, Inc., New York, N. Y., a corporation of New York. TITLE OF A PERIODICAL PUBLISHED MONTHLY. Class 38.

259,457. SWANK. Registered July 30, 1929. The Baer & Wilde Company. Renewed July 30, 1949, to Swank, Inc., Attlebore, Mass., a corporation of Delaware. ITEMS OF MEN'S JEWELRY COMPRISING COLLAR BUTTONS, CUFF BUTTONS, SCARF PINS, ETC. Class 28.

260,032. "ELECTRA" AND DESIGN. Registered Aug. 13, 1929. The Gummed Products Company, Troy, Ohio, a corporation of Ohio. Renewed Aug. 13, 1949. GUMMED PAPER SHEETS, GUMMED PAPER TAPE, GUMMED CLOTH SHEETS AND GUMMED CLOTH TAPE. Class 37.

260,677. "RED BAR" ETC. AND REPRESENTATION OF LUMP OF COAL BISECTED BY STRIPE LINED FOR RED. Registered Aug. 27, 1929. Blackwood Coal and Coke Company, Philadelphia, Pa. Renewed Aug. 27, 1949, to Blackwood Coal & Coke Co., Blackwood, Va., and Philadelphia, Pa., a corporation of Virginia. COAL. Class 1.

260,764. ROUSTABOUT. Registered Aug. 27, 1929. The Hughes-Keenan Company, Mansfield, Ohio. Renewed Aug. 27, 1949, to Hughes-Keenan Corporation, Delaware, Ohio, a corporation of Ohio. MOTOR DUMPING TRUCKS. Class 19.

260,833. MULTILITE. Registered Aug. 27, 1929. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Aug. 27, 1949. SPOONS FOR ARTIFICIAL FISH BAIT. Class 22.

260,921. CATCHIE. Registered Sept. 3, 1929. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Sept. 3, 1949. FISH-HOOKS. Class 22.

261,264. "KANSAS DIAMOND" AND DIAMOND-SHAPED DESIGN. Registered Sept. 10, 1929. The Kansas Mill & Elevator Company, Arkansas City, Kans. Renewed Sept. 10, 1949, to Dixie-Portland Flour Co., Memphis, Tenn., a corporation of Tennessee. WHEAT FLOUR. Class 46.

261,845. LITTLE TRAMMER. Registered Sept. 24, 1929. Mancha Storage Battery Locomotive Company, St. Louis, Mo. Renewed Sept. 24, 1949, to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois. ELECTRIC LOCOMOTIVES. Class 21.

262,933. STUDIO STYLES DESIGNED BY LOUIE. Registered Oct. 29, 1929. H. Childs & Co. Inc., Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 29, 1949. LADIES', MISSES', AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR OF COMBINATION OF THOSE MATERIALS. Class 39.

263,065. "AMERICAN CHATILLON RAYON" AND DESIGN. Registered Oct. 29, 1929. American Chatillon Corporation. Renewed Oct. 29, 1949, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. ARTIFICIAL SILK THREAD AND YARN. Class 43.

263,079. BLIZZARD. Registered Oct. 29, 1929. North Wayne Tool Company, Oakland, Maine, a corporation of Maine. Renewed Oct. 29, 1949. HAY KNIVES, GRASS HOOKS, AND BUSH HOOKS. Class 23.

263,098. "TRU-FLAX" AND DESIGN. Registered Oct. 29, 1929. National Bellas Hess Co. Inc., New York, N. Y. Renewed Oct. 29, 1949, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. TABLE DAMASK, TABLECLOTHS, AND TOWELING OF TEXTILE MATERIAL. Class 42.

PAPER NAPKINS. Class 37.

CHILDREN'S AND MISSES' DRESSES. Class 39.

New York. TOOTHBRUSHES. Class 28.

263,135. YODEL. Registered Oct. 29, 1929. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Oct. 29, 1949. CHEESE. Class 46.

263,206. RELIANCE. Registered Nov. 5, 1929. Baybour Stockwell Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Nov. 5, 1949. TACHOMETERS. Class 26.

263,225. AQUANON. Registered Nov. 5, 1929. The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 5, 1949. TRANSFORMER OILS AND COMPOUNDS. Class 15.

263,317. IWANTA. Registered Nov. 5, 1929. Regent Company, Inc., New York, N. Y. Renewed Nov. 5, 1949, to Regent Company, Inc., Manheim, Pa., a corporation of New York. ROMPERS, BLOUSES, PAJAMAS, NIGHTIES, PLAY SUITS, CHILDREN'S DRESSES, ETC. Class 39.

263,377. MONTICELLO BELLE. Registered Nov. 5, 1929. Virginia Maid Hosiery Mills, Inc., Pulaski, Va., a corporation of Virginia. Renewed Nov. 5, 1949. HOSIERY. Class 39.

263,787. LUMARITH. Registered Nov. 12, 1929. Celluloid Corporation, Newark, N. J. Renewed Nov. 12, 1949, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. SHEETS, RODS, TUBES, POWDERS, FLAKES, CHIPS, CHUNKS, BLANKS, BLOCKS, AND SLABS, ETC. Class 1.

264,101. L'OCÉAN BLEU. Registered Nov. 19, 1929. Lubin Perfumery Corporation, New York, N. Y. Renewed Nov. 19, 1949, to Lubin Perfumery Corporation, Wilmington, Del., a corporation of Delaware. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE POWDERS, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICKS. Class 6.

264,124. CHACELON. Registered Nov. 19, 1929. American Chatillon Corporation. Renewed Nov. 19, 1949, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware. ARTIFICIAL SILK IN THE NATURE OF THREAD AND CELLULOSE-ACETATE AND VISCOSE-RAYON YARN. Class 43.

264,156. "NATIONAL BONDED" AND UNDERLINE DESIGN. Registered Nov. 19, 1929. National Bellas Hess Co. Inc., New York, N. Y. Renewed Nov. 19, 1949, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. SILK AND COTTON PIECE GOODS. Class 42.

264,818. DIRECTO. Registered Nov. 26, 1929. Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware. Renewed Nov. 26, 1949. LIGHT-SENSITIVE PRINTING PAPERS, FABRICS, AND THE LIKE USED IN MAKING REPRODUCTIONS BY PRINTING FROM NEGATIVES OR TRACINGS AND REPRODUCTIONS FORMED ON SUCH MATERIALS. Class 26.

264,505. "UNGUENTINE" ETC. AND DESIGN LINED FOR RED. Registered Nov. 26, 1929. The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Renewed Nov. 26, 1949. MEDICINAL PREPARATIONS—NAMELY, HEALING OINTMENTS FOR EXTERNAL AND INTRAORIFICIAL USE, ETC. Class 6.

264,534. TRIXY. Registered Nov. 26, 1929. The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut. Renewed Nov. 26, 1949. CORSETS, GIRDLES, AND BRASSIÈRES. Class 39.

264,646. "HAWK SPREAD" AND DESIGN. Registered Dec. 3, 1929. The Ohio Hydrate & Supply Company, Woodville, Ohio, a corporation of Ohio. Renewed Dec. 3, 1949. LIME IN POWDERED FORM FOR BUILDING PURPOSES. Class 12.

264,872. "SIMONDS RED STREAK" AND BACKGROUND DESIGN. Registered Dec. 10, 1929. Simonds Saw and Steel Company, Fitchburg, Mass., a corporation of Massachusetts. Renewed Dec. 10, 1949. SAWS. Class 23.

264,899. "I & A" AND DESIGN. Registered Dec. 10, 1929. Vincent C. Naso, doing business as Italian & American Cash & Carry Grocery & Meat Market, Cleveland, Ohio. Renewed Dec. 10, 1949. CANNED COFFEE, SPAGHETTI, AND MACARONI IN ITS VARIOUS FORMS, AND BOTTLED OLIVE OIL. Class 46.

264,993. JIM DANDY. Registered Dec. 10, 1929. Red Fox Orchards, assignor to Consolidated Orange Growers. Renewed Dec. 10, 1949, to Consolidated Orange Growers, Orange, Calif., a corporation of California. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

265,074. LIBERTY CROW SCAT. Registered Dec. 17, 1929. Apothecaries Hall Company, Waterbury, Conn., a corporation of Connecticut. Renewed Dec. 17, 1949. REPELLANTS FOR DESTRUCTIVE BIRDS AND SMALL ANIMALS. Class 6.

265,085. SHOW BOAT. Registered Dec. 17, 1929. Pinaud Incorporated. Renewed Dec. 17, 1949, to Ed. Pinaud, Inc., New York, N. Y., a corporation of New York. PERFUME, TOILET WATER, FACE POWDER, TALCUM, ROUGE, LIP STICK, ETC. Class 6.

265,087. SHOW GIRL. Registered Dec. 17, 1929. Pinaud Incorporated. Renewed Dec. 17, 1949, to Ed. Pinaud, Inc., New York, N. Y., a corporation of New York. PERFUME, TOILET WATER, FACE POWDER, TALCUM, ROUGE, LIP STICK, ETC. Class 6.

265,160. "MOTHINE" AND BACKGROUND DESIGN. Registered Dec. 17, 1929. Regal Products Co., New York, N. Y., and San Francisco, Calif. Renewed Dec. 17, 1949, to Galree Products Co., Inc., New York, N. Y., a corporation of New York. DEODORANT IN CAKE-LIKE FORM. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

264,197. "VIM" AND DESIGN. Registered Nov. 19, 1929. Gilman Paper Company, New York, N. Y. PAPER BAGS. Class 2. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Vermont" should be *New Hampshire.*

437,984. ASSOCIATED RESEARCH INCORPORATED. Registered Apr. 6, 1948. Associated Research, Incorporated, Chicago, Ill. ELECTRICAL MEASURING INSTRUMENTS, SPECIFICALLY APPARATUS FOR DETERMINING THE VOLTAGE AT WHICH ELECTRICAL INSULATION BREAKS DOWN, ETC. Class 26. Corrected as follows: In the statement, second column, line 13, after the word and period "article." insert the following paragraphs:

The trade-mark comprises the words "Associated Research Incorporated" as shown, together with the monogram shown, closely adjacent thereto as in the specimens, but irrespective of the exact relative positioning.

Applicant disclaims exclusive rights by this registration in the word "Incorporated" apart from the remainder of the mark, and in the word "Research" apart from the word "Associated."

441,412. SUPERTONE. Registered Nov. 23, 1948. California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. PLANT AND HORTICULTURAL PARASITICIDES, INSECTICIDES, SPRAYS, FUNGICIDES, AND HORMONES. Class 6. Amended as follows: In the statement, line 11, after "sprays," *and* is inserted; and in lines 11 and 12 "and hormones" is deleted.

505,512. "POSTAL FINANCE COMPANY" AND DESIGN. Registered Jan. 4, 1949. Postal Finance Company, Sioux City, Iowa. PERSONAL LOANS AND INSTALLMENT FINANCING OF TIME PAYMENT SALES OF MERCHANDISE AND COMMODITIES. Class 55. Amended as follows: In the statement, second column, lines 3 and 4, "red and gold" is deleted and *white and black* is inserted in lieu thereof; and the drawing is amended to appear as follows:



508,802. WHO'S WHO IN COMMERCE AND INDUSTRY. Registered Apr. 19, 1949. The A. N. Marquis Company, Chicago, Ill. PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME. Class 38. Corrected as follows: First column, lines 22 and 23, date of use, for "February 5, 1946" read *February 5, 1936.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 213,256. Registered May 25, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR FUR SKINS, HIDES, AND PELTS.
Claims use since September 1917.

Reg. No. 275,079. Registered Sept. 16, 1930. RAINIER PULP & PAPER COMPANY, San Francisco, Calif. Republished by Rayonier Incorporated, New York, N. Y., a corporation of Delaware.

RAYONIER

FOR WOOD PULP.
Claims use since Feb. 3, 1930.

Reg. No. 322,480. Registered Mar. 5, 1935. RAINIER PULP & PAPER COMPANY, San Francisco, Calif. Republished by Rayonier Incorporated, New York, N. Y., a corporation of Delaware.

CELLUNIER

FOR WOOD PULP.
Claims use since Oct. 5, 1934.

Reg. No. 330,855. Registered Sept. 3, 1940. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

RAYACETA

FOR WOOD PULP.
Claims use since Jan. 1, 1940.

Reg. No. 380,860. Registered Sept. 3, 1940. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

RAYWHITE

FOR WOOD PULP.
Claims use since Jan. 1, 1940.

Reg. No. 382,634. Registered Nov. 5, 1940. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

HICOLOR

FOR WOOD PULP.
Claims use since Aug. 3, 1934.

CLASS 2

RECEPTACLES

Reg. No. 375,210. Registered Feb. 13, 1940. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN PRINT

The word "Print" is disclaimed apart from the mark as shown.
FOR DIAPER BAGS MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRICS, AS WELL AS WOVEN FABRICS, AND PRINTED MATERIAL.
Claims use since June 24, 1939.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 320,799. Registered Jan. 8, 1935. FLEET-WING CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The drawing is lined for red.
FOR OIL SOAP, CLEANSERS, AND METAL POLISHES FOR AUTOMOBILES.
Claims use since November 1923.

Reg. No. 383,014. Registered Nov. 19, 1940. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

BEST-FLEX

The word "Best" is disclaimed apart from the mark as shown.
FOR SHOE POLISH.
Claims use since June 14, 1940.

Reg. No. 438,321. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

WATER WITCH

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Feb. 17, 1886.

Reg. No. 439,582. Registered July 6, 1948. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR SOAP IN LIQUID, CAKE, STICK, CREAM, OR POWDER FORM.
Claims use since Apr. 2, 1925.

CLASS 5

ADHESIVES

Reg. No. 220,703. Registered Nov. 16, 1926. THE WERNER G. SMITH COMPANY, Cleveland, Ohio. Republished by Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware.

LINOIL

FOR CORE OILS AND OILS FOR OTHER FOUNDRY PURPOSES PREPARED FROM LINSEED OIL, SOYA BEAN OILS, AND OTHER VEGETABLE OILS, ALL OF AN ADHESIVE NATURE.
Claims use since Apr. 19, 1921.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 74,097. Registered June 15, 1909. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.



The representation of the Greek Cross is lined for red.
FOR TOILET OR NURSERY POWDER.
Claims use since 1890.

Reg. No. 272,348. Registered July 8, 1930. ROBERT ALEXANDER BACHMANN, doing business as The Sanitube Company, Newport, R. I. Republished by The Sanitube Company, Newport, R. I., a corporation of Rhode Island.

SENTRY

FOR MEDICINAL OINTMENT FOR USE AS A PROPHYLACTIC AGAINST SOCIAL DISEASES.
Claims use since Feb. 4, 1930.

Reg. No. 319,653. Registered Dec. 4, 1934. FLEET-WING CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The drawing is lined for red.
FOR INSECTICIDES, INSECT SPRAYS, AND CATTLE SPRAYS.
Claims use since November 1923.

Reg. No. 403,800. Registered Oct. 19, 1943. MARY E. FESLER, doing business as Geo. C. V. Fesler Company, Montgomery, Ala. Republished by registrant, present address Biloxi, Miss.

TRICHOTINE

FOR MEDICINAL POWDER FOR VAGINAL IRRIGATION.
Claims use since Aug. 6, 1936.

Reg. No. 406,605. Registered Apr. 11, 1944. MARY E. FESLER, doing business as Geo. C. V. Fesler Company, Montgomery, Ala. Republished by registrant, present address Biloxi, Miss.

VERSINE

FOR PREPARATION FOR ORAL HYGIENE—NAMELY, A TOOTH POWDER, MOUTH WASH, AND A GARGLE.
Claims use since Aug. 1, 1935.

Reg. No. 434,974. Registered Dec. 9, 1947. REED & CARNRICK, Jersey City, N. J., a corporation of New Jersey. Republished by registrant.

Meprane

FOR SYNTHETIC ESTROGEN USEFUL IN THE TREATMENT OF THE MENOPAUSAL SYNDROME AND OTHER CLINICAL MANIFESTATIONS OF HYPOESTRINISM IN WHICH ESTROGENIC THERAPY IS EMPLOYED, AND ALSO IN THE SUPPRESSION OF LACTATION.
Claims use since Nov. 20, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 228,855. Registered June 14, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR HUMIDORS, ASH RECEIVERS AND TRAYS, CIGAR CASES, AND CIGARETTE CASES.
Claims use since Aug. 10, 1910.

Reg. No. 228,856. Registered June 14, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined to indicate the color blue.
FOR HUMIDORS, ASH RECEIVERS AND TRAYS, CIGAR CASES, AND CIGARETTE CASES.
Claims use since Aug. 10, 1910.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 258,925. Registered July 16, 1929. Benjamin Foster Company, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

I. B. M.

FOR BITUMINOUS WATERPROOFING MATERIAL, BITUMINOUS COATING MATERIAL FOR PIPES, BITUMINOUS ROAD FILLER, ROOFING ASPHALT, BITUMINOUS MASTIC, IMPREGNATED MASTIC BLOCKS.
Claims use since one or about Oct. 24, 1928.

Reg. No. 261,706. Registered Sept. 24, 1929. The Flintkote Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

SUPERSATURATED

The word "Saturated" is disclaimed apart from the mark as shown.
FOR PREPARED ROOFING—NAMELY, COMPOSITION SHINGLES AND COMPOSITION STRIP SHINGLES.
Claims use since about Dec. 28, 1927.

Reg. No. 261,830. Registered Sept. 24, 1929. The Flintkote Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

ALBINALT

FOR BITUMINOUS MATERIAL RESEMBLING ASPHALT AND FOR SAID MATERIAL IN AQUEOUS DISPERSION FORM SUITABLE AS WATERPROOFING COMPOSITION FOR VARIOUS INDUSTRIAL APPLICATIONS OR AS INGREDIENTS OF MASTIC FLOORING COMPOSITION AND SIMILAR BUILDING MATERIAL.
Claims use since about Nov. 15, 1928.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 439,391. Registered June 22, 1948. Best & Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR IRON, PORCELAIN, OR ENAMELED BATH TUBS.
Claims use since 1882.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 222,026. Registered Dec. 21, 1926. Kay-Brunner Steel Casting Co., Los Angeles, Calif. Republished by Kay-Brunner Steel Products, Inc., Alhambra, Calif., a corporation of Delaware.



FOR STEEL CASTINGS.
Claims use since Apr. 10, 1925.

Reg. No. 305,296. Registered Aug. 15, 1933. Kay-Brunner Steel Products, Inc., Alhambra, Calif., a corporation of Delaware. Republished by registrant.

KALOY

FOR IRON CASTINGS.
Claims use since Aug. 22, 1931.

CLASS 15

OILS AND GREASES

Reg. No. 175,967. Registered Nov. 13, 1923. Spears & Riddle Co., Wheeling, W. Va. Republished by Fleet-Wing Corporation, Cleveland, Ohio, a corporation of Ohio.



The representation of a gasoline pump is disclaimed apart from the mark as shown.
FOR GASOLINE AND LUBRICATING OILS.
Claims use since Feb. 12, 1922.

Reg. No. 236,677. Registered Dec. 20, 1927. Alfred R. Himmelreich, doing business as Inland Oil Co., Baltimore, Md. Republished by registrant.

INLAND OILS

The word "Oils" is disclaimed apart from the mark as shown.
FOR MOTOR FUEL OILS, LUBRICATING OILS, AND LUBRICATING GREASES.
Claims use since Apr. 1, 1926.

Reg. No. 319,772. Registered Dec. 4, 1934. Fleet-Wing Corporation, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The drawing is lined for red.
FOR GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES.
Claims use since Feb. 15, 1932.

CLASS 19

VEHICLES

Reg. No. 106,207. Registered Oct. 19, 1915. The Buckley, Newhall Company, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR BABY-CARRIAGES AND GO-CARTS.
Claims use since Aug. 10, 1910.

Reg. No. 106,208. Registered Oct. 19, 1915. The Buckley, Newhall Company, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being painted in blue.
FOR BABY-CARRIAGES AND GO-CARTS.
Claims use since Aug. 10, 1910.

Reg. No. 231,605. Registered Aug. 23, 1927. Best & Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN BAZAAR

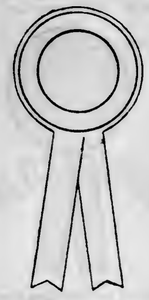


FOR CHARIOTS, GO-CARTS, STROLLERS, PERAMBULATORS, AND PRAMS.
Claims use since 1879.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 114,621. Registered Dec. 26, 1916. The Buckley, Newhall Company, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.
FOR LINOLEUMS AND OIL-CLOTH.
Claims use since Aug. 10, 1910.

Reg. No. 114,622. Registered Dec. 26, 1916. The Buckley, Newhall Company, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR LINOLEUMS AND OIL-CLOTHS.
Claims use since Aug. 10, 1910.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 106,938. Registered Nov. 9, 1915. The Buckley, Newhall Company, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR ELECTRIC STOVES AND ELECTRIC LAMPS.
Claims use since Aug. 10, 1910.

FOR IRON, PORCELAIN, OR ENAMELED BATH TUBS.
Claims use since 1882.

FOR GASOLINE AND LUBRICATING OILS.
Claims use since Feb. 12, 1922.

Reg. No. 106,939. Registered Nov. 9, 1915. THE BUCKLEY-NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR ELECTRIC STOVES AND ELECTRIC LAMPS.
Claims use since Aug. 10, 1910.

Reg. No. 233,578. Registered Oct. 4, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined to indicate the color blue.

FOR ELECTRIC COFFEE AND TEA POTS AND PERCOLATORS, ELECTRIC DISHWASHING MACHINES, ELECTRIC VACUUM CLEANERS, ELECTRIC BROILERS, ELECTRIC COOKERS, AND ATMOSPHERIC ELECTRIC HEATERS, STOVES AND LAMPS, ELECTROLIERS, AND RADIO RECEIVING, DETECTING, AND TRANSMITTING APPARATUS AND PARTS THEREOF COMPRISING RADIO RECEIVING SETS, LOUD SPEAKERS, AERIAL LOOPS, AMPLIFIERS CONSISTING OF ELECTRON TUBES, VACUUM TUBES, GRID LEAKS; HEAD PHONES, AND RADIO TRANSMITTING SETS AND PARTS THEREOF.
Claims use since Aug. 10, 1910.

Reg. No. 241,979. Registered May 8, 1928. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR ELECTRIC COFFEE AND TEA POTS AND PERCOLATORS, ELECTRIC DISHWASHING MACHINES, ELECTRIC VACUUM CLEANERS, ELECTRIC BROILERS, ELECTRIC SADIRONS, ELECTRIC COOKERS, AND ATMOSPHERIC ELECTRIC HEATERS, STOVES, AND LAMPS, ELECTROLIERS, AND RADIO RECEIVING, DETECTING, AND TRANSMITTING APPARATUS AND PARTS THEREOF COMPRISING RADIO RECEIVING SETS, LOUD SPEAKERS, AERIAL LOOPS, AMPLIFIERS CONSISTING OF ELECTRON TUBES, VACUUM TUBES, GRID LEAKS, HEAD PHONES, AND RADIO TRANSMITTING SETS, AND PARTS THEREOF.
Claims use since Aug. 10, 1910.

Reg. No. 376,406. Registered Mar. 26, 1940. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J., a corporation of Delaware. Republished by registrant.

BEAVER

FOR ELECTROLYTIC CONDENSERS.
Claims use since Jan. 17, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 442,001. Registered Feb. 8, 1949. SPORT PRODUCTS INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

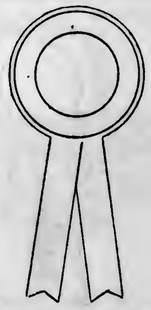


FOR ATHLETIC EQUIPMENT—NAMELY, BLOCKING PADS, SHOULDER PADS, HELMETS, NOSE GUARDS, SHOULDER PAD CUSHIONS, STRIKING BAGS, BOXING EAR AND FACE PROTECTORS, BASEBALL MITTS, LEG GUARDS, MASKS, BODY PROTECTORS, BAT BAGS, GLOVES, KNEE PADS, ELBOW PADS, SHIN GUARDS, BASKETBALLS, SOCCERBALLS, VOLLEYBALLS, FOOTBALLS, MEDICINE BALLS, SPEED BALLS, TETHER BALLS, SOFTBALLS, BASEBALLS, BASEBALL BATS, SOFTBALL BATS, BASEBALLS, THIGH GUARDS, GOLF CLUBS, GOLF BALLS, KIDNEY PADS, BOXERS' HAND WRAPS, BOXING GLOVES, AND TENNIS RACKETS.
Claims use since Feb. 20, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 106,205. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR SEWING MACHINES, VACUUM-CLEANERS, AND CARPET-SWEEPERS.
Claims use since Aug. 10, 1910.

Reg. No. 106,206. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR SEWING-MACHINES, VACUUM-CLEANERS, AND CARPET-SWEEPERS.
Claims use since Aug. 10, 1910.

Reg. No. 427,449. Registered Feb. 11, 1947. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



FOR DRIVING BOX BEARINGS; ROD BRASSES AND BUSHINGS; CROSSHEAD SHOES; PEDESTAL SHOES AND WEDGES; STEEL MILL PARTS—NAMELY, BEARINGS AND CASTINGS; AND MISCELLANEOUS FINISHED BRASS, BRONZE, COPPER, AND ALUMINUM MACHINE PARTS AND CASTINGS FOR MACHINES OF VARIOUS DESCRIPTIONS AND WHICH ARE SOLD IN LOTS TO THE TRADE.
Claims use since on or about October 1943.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 107,488. Registered Dec. 7, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR CLOTHES-WRINGERS AND WASHING-MACHINES.
Claims use since Aug. 10, 1910.

Reg. No. 108,685. Registered Feb. 22, 1916. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



FOR CLOTHES-WRINGERS AND WASHING-MACHINES.
Claims use since Aug. 10, 1910.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 439,581. Registered July 6, 1948. Best & Co. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR WEIGHING SCALES.
Claims use since 1882.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 106,211. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR REFRIGERATORS.
Claims use since Aug. 10, 1910.

Reg. No. 106,212. Registered Oct. 19, 1915. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR REFRIGERATORS.
Claims use since Aug. 10, 1910.

PARTS THEREOF.
Claims use since Aug. 10, 1910.

AND CARPET-SWEEPERS.
Claims use since Aug. 10, 1910.

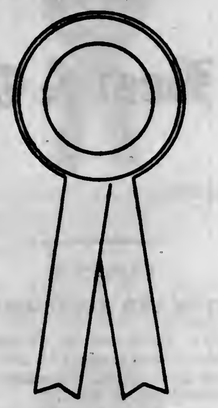
Claims use since Aug. 10, 1910.

Claims use since Aug. 10, 1910.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 81,671. Registered May 2, 1911. THE BUCKLEY, NEWHALL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR CHAIRS, TABLES, DESKS, BOOK-CASES, CHIFFONIERS, DRESSERS, WARDROBES, MUSIC CABINETS, SIDE BOARDS, BUFFETS, CHINA CLOSETS, PEDESTALS, CABINETS, MIRRORS, AND CLOTHES RACKS.
Claims use since Aug. 10, 1910.

Reg. No. 107,467. Registered Dec. 7, 1915. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR HOUSEHOLD AND OFFICE CHAIRS, HOUSEHOLD AND OFFICE TABLES, DESKS, BOOKCASES, CHIFFONIERS, DRESSERS, SIDEBOARDS, BUFFETS, CHINA-CLOSETS, WARDROBES, MUSIC-CABINETS, PEDESTALS, HOUSEHOLD CABINETS, MIRRORS, AND CLOTHES-RACKS.
Claims use since Aug. 10, 1910.

Reg. No. 126,991. Registered Oct. 21, 1919. BERNSTEIN MANUFACTURING COMPANY, Philadelphia, Pa. Republished by Komfo Products Corporation, Allentown, Pa., a corporation of Pennsylvania.



FOR BEDSTEADS, MATTRESSES, AND PILLOWS.
Claims use since about Sept. 1, 1918.

Reg. No. 212,790. Registered May 11, 1926. Best & Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR NURSERY FURNITURE—NAMELY, CRIBS, COSTUMERS, WARDROBES, BASSINETS, PLAY YARDS, HAMPERS, SANITARY RECEIVERS, NURSERY CHAIRS, TABLES AND CHAIRS FOR LITTLE CHILDREN, BABY WALKERS, DRESSING TABLES, NIGHT TABLES, AND PICTURE FRAMES, AND PILLOWS.
Claims use since 1879.

Reg. No. 231,952. Registered Aug. 30, 1927. Best & Co. Inc., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN BAZAAR

FOR MIRRORS, PILLOWS, BASSINETTES, MATTRESSES, COSTUMERS, ARTICLES OF FURNITURE COMPRISING CHAIRS, TABLES, PORTABLE WARDROBES, CRIBS, COMBINED NURSERY CHAIR AND CHAMBER, BABY WALKERS, FOLDING PLAY YARDS, AND CHEST OF DRAWERS.
Claims use since 1879.

Reg. No. 235,854. Registered Nov. 29, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR HOUSEHOLD AND OFFICE FURNITURE CONSTRUCTED OF METAL, WOOD, REED, FIBER, AND GRASS AND COMBINATIONS THEREOF, COMPRISING CHAIRS, TABLES, DESKS, CHIFFONIERS, DRESSERS, SIDEBOARDS, BUFFETS, CHINA CLOSETS, PEDESTALS; KITCHEN, MUSIC, PHONOGRAPH, RADIO, AND SMOKERS' CABINETS; CARD TABLES, DIVANS, BENCHES, CHIFFORETTES, CHIFFOROBES, COUCH HAMMOCKS, BUREAUS, CHAIR SEATS, SETTEES, CEDAR CHESTS, SOFAS, TEA WAGONS, SERVERS, TABORETS, FERNERIES, CONSOLE SETS, STOOLS, CHILDREN'S PLAY PENS, CAMP FURNITURE, WOOD AND METAL BOOKCASES, WARDROBES, MIRROR FRAMES, FILING CASES, BOOK ENDS, CHILDREN'S RETAINING FRAMES, VANITIES, MEDICINE CHESTS, WOOD PICTURE FRAMES, PILLOWS, CUSHIONS, AND MIRRORS.
Claims use since Aug. 10, 1910.

Reg. No. 260,967. Registered Sept. 3, 1929. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo., a corporation of New York. Republished by registrant.

SURETY

FOR MATTRESSES.
Claims use since Apr. 27, 1929.

Reg. No. 351,846. Registered Nov. 9, 1937. THE BUCKLEY, NEWHALL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

BLUE RIBBON

FOR PORTABLE FIREPLACES THAT ARE COMBINED WITH BOOKCASES AND CELLARETTES.
Claims use since Oct. 16, 1936.

Reg. No. 351,847. Registered Nov. 9, 1937. THE BUCKLEY, NEWHALL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



FOR PORTABLE FIREPLACES THAT ARE COMBINED WITH BOOKCASES AND CELLARETTES.
Claims use since Oct. 16, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 106,937. Registered Nov. 9, 1915. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR GAS-LAMPS, VAPOR-LAMPS, AND OIL-LAMPS.
Claims use since Aug. 10, 1910.

Reg. No. 108,684. Registered Feb. 22, 1916. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR GAS-LAMPS, VAPOR-LAMPS, AND OIL-LAMPS.
Claims use since Aug. 10, 1910.

Reg. No. 234,591. Registered Nov. 1, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined to indicate blue color.

FOR GAS, VAPOR, AND OIL LAMPS; HEATING-RADIATOR COVERS FOR ORNAMENT.
Claims use since Aug. 10, 1910.

Reg. No. 234,592. Registered Nov. 1, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR GAS, VAPOR, AND OIL LAMPS; HEATING-RADIATOR COVERS FOR ORNAMENT.
Claims use since Aug. 10, 1910.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 70,459. Registered Sept. 1, 1908. JAMES BELLAK'S SONS, Philadelphia, Pa. Republished by Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois.

Belmont

FOR TALKING MACHINES, TALKING MACHINE HORNS.
Claims use since June 1882.

CLASS 39

CLOTHING

Reg. No. 102,704. Registered Feb. 23, 1915. Best & COMPANY, New York, N. Y. Republished by Best & Co. Inc., New York, N. Y., a corporation of New York.

LILIPUTIAN BAZAAR

FOR INFANTS' BANDS, SHIRTS, DIAPER-DRAWERS, COATS, BIBS, SKIRTS, SLIPS, DRESSES, NIGHT-GOWNS, BLOOMERS, SWEATERS, WRAPPERS, SACKS, KIMONOS, BATH-ROBES, NEGLIGEES, CLOAKS, RAIN-CAPES, LADIES' TAILORED SUITS, CAPS, BONNETS, HATS, BLOUSE-SUITS, REEFERS, PAJAMAS, UNDERWAISTS, BATHING-SUITS, SWEATER-COATS, ROMPERS, OVERALLS, GUIMPES, APRONS, DRAWERS, NIGHT-DRAWERS, PETTICOATS, CORSETS, BRASSIÈRES, PANTALETS, UNION SUITS, HOSIERY, GLOVES, BOOTS AND SHOES MADE OF LEATHER, CANVAS, AND COMBINATIONS THEREOF.
Claims use since at least as early as 1879.

FOR BEDSTEADS, MATTRESSES, AND PILLOWS.
Claims use since about Sept. 1, 1918.

FOR MATTRESSES.
Claims use since Apr. 27, 1929.

Reg. No. 115,064. Registered Jan. 23, 1917. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.

FOR WATERPROOFED COATS FOR MEN, WATERPROOFED COATS FOR WOMEN, HATS, RAIN-COATS, TEXTILE UNDERWEAR, KNIT UNDERWEAR, AND HOSIERY.

Claims use since Aug. 10, 1910.

Reg. No. 115,065. Registered Jan. 23, 1917. THE BUCKLEY, NEWHALL COMPANY, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR WATERPROOFED COATS FOR MEN, WATERPROOFED COATS FOR WOMEN.

Claims use since Aug. 10, 1910.

Reg. No. 194,306. Registered Jan. 20, 1925. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

NADA

FOR MISSES' AND GIRLS' FURNISHINGS, UNDERGARMENTS, AND CLOTHING—NAMELY, DRESSES, CORSETS, TAILORED SUITS, WALKING SUITS, SPORT SUITS, GOLF SUITS, RIDING SUITS, NEGLIGEES, SKIRTS, NIGHTGOWNS, PETTICOATS, GLOVES, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, RAINCOATS, SPORT COATS, HATS, CAPS, AND COATS MADE OUT OF TEXTILE MATERIAL; AND DRESSES, CORSETS, TAILORED SUITS, WALKING SUITS, SPORT SUITS, NEGLIGEES, GOLF SUITS, RIDING SUITS, SKIRTS, NIGHTGOWNS, PETTICOATS, GLOVES, BODICES, CHEMISES, DRAWERS, COMBINATIONS, BATH ROBES, SHIRT WAISTS, DRESSING GOWNS, SWEATERS, MUFFLERS, HOSIERY, HATS, AND CAPS MADE OUT OF KNITTED MATERIAL; AND FOR MISSES' AND GIRLS' SHOES, BOOTS, SLIPPERS, GLOVES, LEGGINGS, PUTTIES MADE OUT OF LEATHER, RUBBER, CANVAS, BUCKSKIN, OR LINEN OR COMPOSITION OF SIMILAR MATERIALS.

Claims use since Feb. 13, 1923.

Reg. No. 204,847. Registered Oct. 27, 1925. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR MISSES' AND CHILDREN'S HATS; SHOES OF LEATHER, CALF-SKIN, SATIN, BROCADE, AND KID; SLIPPERS OF LEATHER, FELT, AND WOOL; PUTTEES; AND FABRIC, LEATHER, AND WOOL GLOVES; LEGGINGS, OVERGAITERS, SPATS, SWEATERS, STOCKINGS, SOCKS; UNDERWEAR OF KNITTED, NETTED AND TEXTILE FABRIC; COLLAR AND CUFF SETS, TIES, BELTS FOR PERSONAL WEAR, SCARFS, COATS, SUITS, DRESSES, LINGERIE, NEGLIGEES, PETTICOATS, APRONS, PYJAMAS, ROMPERS, WRAPPERS, SKIRTS, BLOUSES, WAISTS, NIGHTGOWNS, BODICES, RIDING HABITS, SPORT COATS, BATHING SUITS AND ROBES, BOYS' SUITS, OVERCOATS, BATH ROBES, HATS, CAPS, SWEATERS; UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRIC; TIES, PYJAMAS, COLLARS, MUFFLERS, STOCKINGS, AND SOCKS.

Claims use since March 1884.

Reg. No. 212,791. Registered May 11, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S HATS; SHOES OF LEATHER, CALFSKIN, SATIN, BROCADE, AND KID; SLIPPERS OF LEATHER, FELT, AND WOOL; PUTTEES; AND FABRIC, LEATHER, AND WOOL GLOVES; LEGGINGS; OVERGAITERS, AND SPATS; WOMEN'S, MISSES', AND CHILDREN'S SWEATERS, STOCKINGS, SOCKS, UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRICS; COLLAR AND CUFF SETS, TIES, BELTS, SCARFS; COATS, AND SUITS FOR WOMEN, MISSES, AND CHILDREN; DRESSES, LINGERIE, NEGLIGEES, PETTICOATS, APRONS, AND PYJAMAS; CHILDREN'S AND MISSES' ROMPERS, WRAPPERS, SKIRTS, BLOUSES; CAPS FOR CHILDREN AND MISSES; WAISTS, NIGHTGOWNS, BODICES, RIDING HABITS, SPORT COATS, BATHING SUITS AND ROBES; BOYS' AND MEN'S SUITS, OVERCOATS, BATH ROBES, HATS, CAPS, SWEATERS; UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRIC; SHIRTS, TIES, PYJAMAS, COLLARS, MUFFLERS, STOCKINGS, AND SOCKS, NURSES' UNIFORMS; CORSETS, AND BOAS.

Claims use since 1882.

Reg. No. 260,615. Registered Aug. 27, 1929. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C., and New York, N. Y. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

VALIANT

FOR COTTON AND FLAX SHEETS, COTTON AND FLAX PILLOWCASES, COTTON AND FLAX DIAPERS, AND COTTON AND FLAX PIECE GOODS.

Claims use since April 1927.

Reg. No. 287,273. Registered Sept. 15, 1931. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co

FOR MEN'S, WOMEN'S, AND CHILDREN'S HATS, CAPS, SHOES OF LEATHER, RUBBER, AND FABRIC, SLIPPERS, PUTTEES, GLOVES OF KID, LEATHER, AND/OR FABRIC, LEGGINGS, OVERGAITERS, SPATS, SWEATERS, STOCKINGS, SOCKS, UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRICS, BATHING SUITS, BATH ROBES, PAJAMAS, NIGHTGOWNS, RIDING HABITS, APPAREL BELTS, COLLARS, CUFFS, NECKTIES, SCARFS, AND MUFFLERS; WOMEN'S AND CHILDREN'S BRASSIÈRES, STEPINS OF THE UNDERDRAWER TYPE, CHEMISES, BLOOMERS, SLIPS, PETTICOATS, VESTS, VESTEES, DRESSES, SHIRT WAISTS, UNDER AND OUTER SKIRTS, CORSETS, NEGLIGEES, APRONS, ROMPERS, WRAPPERS, OUTER COATS OF FABRIC AND/OR FUR OR ANY COMBINATIONS THEREOF, NECK PIECES OF FABRIC OR FUR AND ANY COMBINATIONS THEREOF, SUITS, GARTERS, AND GARTER BELTS AND HOSIERY SUPPORTERS; MEN'S AND BOYS' OVERCOATS, SUITS, TROUSERS, VESTS, SUSPENDERS, DRESS SHIRTS, WORK SHIRTS, JUMPERS, OVERALLS, UNION SUITS, SMOKING JACKETS, AND LOUNGING ROBES.

Claims use since about Jan. 1, 1923.

Reg. No. 373,569. Registered Dec. 12, 1939. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN PRINT

The word "Print" is disclaimed apart from the mark as shown.

FOR DRESSES, SUNSUITS, BATHROBES, PAJAMAS, SLEEPING GARMENTS, OVERALLS, PLAYSUITS, HATS, SUITS, CREEPER SUITS, ROMPERS, AND BONNETS FOR CHILDREN MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRICS.

Claims us since June 24, 1939.

Reg. No. 379,400. Registered July 9, 1940. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

THE BEST TWINS

FOR MISSES', JUNIOR MISSES', AND CHILDREN'S COATS, SUITS, SWEATERS, JACKETS, OUTER-SKIRTS AND UNDERSKIRTS, SLACKS, BLOUSES, NECKWEAR CONSISTING OF COLLARS, GILETS, DICKEYS AND TIES, RAINCOATS, HATS, CAPS, HOODED JACKETS, EVENING DRESSES, EVENING WRAPS, EVENING JACKETS, BATHING SUITS, BEACH ROBES, SKI PANTS, SKI JACKETS, SKI SUITS, SKI CAPS, TENNIS DRESSES, TENNIS SHORTS, TENNIS SHIRTS, SPORT DRESSES, PLAYSUITS, AND BATH-ROBES.

Claims use since Mar. 27, 1934.

Reg. No. 419,151. Registered Feb. 5, 1946. THE ATHLETIC SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ATHCO

FOR SHOES MADE OF LEATHER, SYNTHETIC FABRIC, RUBBER, AND/OR COMBINATIONS OF THE SAME.

Claims use since September 1930.

Reg. No. 422,763. Registered Aug. 13, 1946. OLYMPIC GLOVE COMPANY, New York, N. Y. Republished by Olympic Glove Company, a firm, assignor to Olympic Glove Company, Inc., New York, N. Y., a corporation of New York.

Moxsan FITS LIKE A MOCCASIN

The words "Fits Like a Moccasin" are disclaimed apart from the mark as shown.

FOR FINGER GUARDS MADE OF LEATHER AND/OR FABRIC, FOR USE BY ELEVATOR OPERATORS AND WORKMEN.

Claims use since Aug. 6, 1945.

Reg. No. 442,607. Registered May 3, 1949. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

BIG FRIEND

FOR WORK SHIRTS, WORK PANTS, OVERALLS, JUMPERS, AND DUNGAREES.

Claims use since 1931.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 433,938. Registered Nov. 4, 1947. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

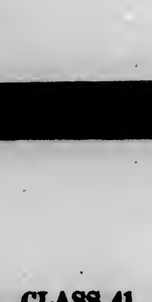
Best & Co.

FOR UMBRELLAS.
Claims use since 1882.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 114,623. Registered Dec. 26, 1916. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The trade-mark consists of a medallion with pendant streamers both being printed in blue.
FOR TEXTILE RUGS, TEXTILE CARPETS, LACE CURTAINS, PORTIERES, TABLECOVERS, BEDSPREADS, COMFORTABLES, QUILTS, BLANKETS, MATTINGS, COTTAGE-LACE BED SETS.
Claims use since Aug. 10, 1910.

Reg. No. 114,624. Registered Dec. 26, 1916. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

BLUE RIBBON

FOR TEXTILE RUGS, TEXTILE CARPETS, LACE CURTAINS, PORTIERES, BEDSPREADS, COMFORTABLES, QUILTS, BLANKETS, MATTINGS, COTTAGE-LACE BED SETS.
Claims use since Aug. 10, 1910.

Reg. No. 260,615. Registered Aug. 27, 1929. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C., and New York, N. Y. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

VALIANT

FOR COTTON AND FLAX SHEETS, COTTON AND FLAX PILLOWCASES, COTTON AND FLAX DIAPERS, AND COTTON AND FLAX PIECE GOODS.
Claims use since April 1927.

Reg. No. 359,592. Registered Aug. 23, 1938. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



FOR BED SHEETS, PILLOW CASES, TOWELS, SLIP COVERS, FURNITURE SCARFS, TEXTILE RUG PADS, AND DOILIES.
Claims use since Aug. 10, 1910.

Reg. No. 418,664. Registered Jan. 8, 1946. MORTON SUNDOUR FABRICS LIMITED, Dentonhill, Carlisle, England, a corporation duly organized under the laws of Great Britain. Republished by registrant, present address Carlisle, England.

SUNDOUR

FOR PIECE GOODS OF COTTON, WOOL, WORSTED, LINEN, JUTE, RAMIE, HAIR, HEMP, SILK, RAYON FIBERS, REGENERATED CELLULOSE FIBERS, ASBESTOS FIBERS, POLYAMIDE FIBERS, PROTEIN FIBERS, FIBERS COATED WITH SYNTHETIC PLASTIC MATERIALS OR OF MIXTURES OF THESE MATERIALS, COVERLETS OR BEDSPREADS, BED HANGINGS, WINDOW SHADE CLOTH IN THE FORM OF YARDAGE, BROCADE CLOTHS, UPHOLSTERY CLOTHS, CUSHION COVERS, CURTAINS, WALL HANGINGS, WALL COVERINGS OF TEXTILE MATERIALS, QUILTS, VALANCES, CARPETS, FLOOR RUGS AND FLOOR MATS.
Claims use since July 20, 1909.

Reg. No. 442,392. Registered Apr. 5, 1949. BALLY'S SHOE FACTORIES LTD., Schonenwerd, Switzerland, a corporation of Switzerland. Republished by registrant.



The word "Elastiques" is disclaimed apart from the mark as shown.
FOR ELASTIC WEBBING, ESPECIALLY FOR USE IN MAKING GIRDLES.
Claims use since Oct. 21, 1933.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 374,012. Registered Dec. 26, 1939. OPOTOW DENTAL MANUFACTURING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Centrecord

FOR BITE PLATES FOR MAKING ARTIFICIAL DENTURES AND APPARATUS FOR DETERMINING PROPER OCCLUSION FOR ARTIFICIAL DENTURES.
Claims use since Aug. 16, 1939.

Reg. No. 434,918. Registered Dec. 9, 1947. VERALIN, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FORBIDDEN

FOR TAMPONS, RUBBER GLOVES FOR SURGICAL USE, AND PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since June 27, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 45,927. Registered Aug. 29, 1905. PILLSBURY-WASHBURN FLOUR MILLS COMPANY, LTD., Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

REFORM

FOR WHEAT FLOUR.
Claims use since about Jan. 1, 1874.

Reg. No. 74,819. Registered Aug. 10, 1909. J. A. FOLGER & COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.



The mark is lined for red and yellow color.
FOR TEA.
Claims use since 1897.

Reg. No. 74,946. Registered Aug. 24, 1909. J. A. FOLGER & COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

LUSTRO

FOR ROASTED COFFEE.
Claims use since 1897.

Reg. No. 74,947. Registered Aug. 24, 1909. J. A. FOLGER & COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

LAUREL

FOR ROASTED COFFEE.
Claims use since 1897.

Reg. No. 103,397. Registered Mar. 30, 1915. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

PILLSBURY'S XX DAISY

FOR WHEAT FLOUR AND WHEAT FLOUR MIDDLINGS.
Claims use since Jan. 1, 1870.

Reg. No. 122,046. Registered June 18, 1918. W. P. TANNER-GROSS AND COMPANY, INC., New York, N. Y. Republished by Distributors Trucking Corporation, New York, N. Y., a corporation of New York.

DAKONIA

FOR WHEAT-FLOUR.
Claims use since Mar. 1, 1913.

Reg. No. 124,055. Registered Dec. 31, 1918. W. P. TANNER-GROSS & COMPANY, INC., New York, N. Y. Republished by Distributors Trucking Corporation, New York, N. Y., a corporation of New York.

YORKSOTA

FOR WHEAT-FLOUR.
Claims use since Mar. 12, 1918.

Reg. No. 124,479. Registered Feb. 18, 1919. W. P. TANNER-GROSS & COMPANY, INC., New York, N. Y. Republished by Distributors Trucking Corporation, New York, N. Y., a corporation of New York.

YITONA

FOR WHEAT-FLOUR.
Claims use since Mar. 30, 1918.

Reg. No. 132,831. Registered June 29, 1920. W. P. TANNER-GROSS & COMPANY, INC., New York, N. Y. Republished by Distributors Trucking Corporation, New York, N. Y., a corporation of New York.

ROTUNDA

FOR WHEAT-FLOUR.
Claims use since Apr. 18, 1919.

Reg. No. 133,056. Registered July 6, 1920. W. P. TANNER-GROSS & COMPANY, INC., New York, N. Y. Republished by Distributors Trucking Corporation, New York, N. Y., a corporation of New York.

MERMAID

FOR WHEAT-FLOUR.
Claims use since Mar. 15, 1919.

Reg. No. 172,613. Registered Sept. 11, 1923. GEORGE A. ZABRISKIE, New York, N. Y. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

ROSEMARY

FOR WHEAT FLOUR.
Claims use since Aug. 1, 1910.

Reg. No. 176,964. Registered Dec. 11, 1923. ARTHUR G. MADDOCK, Duarte, Calif. Republished by Azusa Citrus Association, Azusa, Calif., a corporation of California.

OHOWGOOD

FOR FRESH CITRUS FRUITS.
Claims use since 1914.

Reg. No. 179,870. Registered Feb. 19, 1924. GORDON BAKING CO., Chicago, Ill. Republished by Gordon Baking Company, Detroit, Mich., a corporation of Michigan.

SILVER CUP

FOR BREAD.
Claims use since on or about Sept. 1, 1921.

Reg. No. 273,263. Registered July 29, 1930. C. A. STRAUBEL COMPANY, Green Bay, Wis. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

MAYFLOWER.

FOR CHEESE.
Claims use since 1885.

Reg. No. 380,875. Registered Sept. 3, 1940. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

SNO-TEX

FOR WHEAT FLOUR.
Claims use since Apr. 1, 1940.

Reg. No. 389,171. Registered July 29, 1941. PURITY CHEESE COMPANY, Mayville, Wis., a corporation of Wisconsin. Republished by registrant.



The descriptive notation "40+" and all the wording except the words "May-Bud" and "Purity Cheese Co." are disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since July 12, 1940.

Reg. No. 396,432. Registered July 14, 1942. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

WOOLEX

FOR PREPARED MIXTURE FOR THE MAKING OF CAKES, ROLLS, DOUGHNUTS, BREAD, AND OTHER PASTRY PRODUCTS.
Claims use since Dec. 23, 1941.

Reg. No. 442,934. Registered June 21, 1949. M. & S. DAIRY SPECIALTIES, Ashton, Ill., assignor to Crest Foods Co., a partnership. Republished by Crest Foods Co., Ashton, Ill., a partnership.

Ca-Sal

FOR FUSION OF CASEIN AND LACTALBUMIN IN POWDER FORM SOLD IN LARGE CONTAINERS TO MANUFACTURERS AND USED FOR FOOD PURPOSES.
Claims use since Jan. 11, 1947.

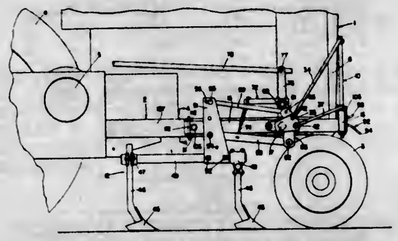
FOR WHEAT FLOUR.
Claims use since Aug. 1, 1910.

FOR CHEESE.
Claims use since July 12, 1940.

REISSUES

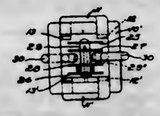
OCTOBER 11, 1949

23,154
QUICK DEMOUNTABLE CULTIVATOR
Theodore W. Johnson, Des Moines, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original No. 2,423,148, dated July 1, 1947, Serial No. 562,155, November 6, 1944. Application for reissue June 11, 1949, Serial No. 98,471
20 Claims. (Cl. 97—47)



1. A tractor-propelled implement comprising a pair of spaced apart frame sections adapted to receive a tractor therebetween, a central attaching member connected at its ends directly to said frame sections, means on the front of a tractor to receive said attaching member, detachable means for fixing the rear portions of said frame sections to the tractor whereby said sections may be supported on said tractor, and a tool-receiving part fixed rigidly to each of said frame sections rearwardly of the points of connection of said frame sections to said central attaching member and extending generally laterally outwardly therefrom.

23,155
REPULSION SYNCHRONOUS MOTOR
Henry E. Warren, Ashland, Mass.
Original No. 2,474,797, dated June 28, 1949, Serial No. 768,884, August 15, 1947. Application for reissue August 3, 1949, Serial No. 108,338
13 Claims. (Cl. 172—278)



1. A self-starting synchronous motor operable on alternating current and on direct current reversed at relatively long intervals, comprising a stator coil having an axial opening, a wheel-like rotor formed at least circumferentially of material of substantial magnetic remanence, said rotor disposed in the coil opening for rotation on an axis substantially perpendicular to the coil axis and being subject to polarization by the coil along a rotor diameter paralleling the coil axis, and magnetizable strip means including parallel portions oppositely extending in the direction axially of the coil in closely spaced relation to the rotor periphery and terminating within the coil to present dissimilar poles at diametrically opposite regions relative to the rotor axis, the terminal pole of one strip portion spaced from an intermediate section of the other strip portion in a direction making a wide angle to the coil axis, whereby repulsion between like poles in the rotor and in the strip means effects rotation of the rotor at increasing speed up to and maintained at synchrony with the current phase.

PLANT PATENTS

GRANTED OCTOBER 11, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

878
PEACH TREE
Frank Geheb, Arkadelphia, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri
Application November 28, 1947, Serial No. 788,612
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree characterized as to novelty by the large size of its fruit, its free stone, firm white flesh, deep red-colored skin, good quality and early ripening period, substantially as shown and described.

879
FLORIBUNDA ROSE PLANT
Carl George Duehrsen, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application December 30, 1947, Serial No. 794,765
1 Claim. (Cl. 47—61)

The new and distinct variety of floribunda rose plant, substantially as herein shown and described, characterized particularly by its exceptional vigor of growth; its disease resistance; its abundant foliage; its absolutely remontant blooming habit; its large umbrella-like flower trusses; its long-pointed bud; and its fragrant flowers of novel rich coral salmon color.

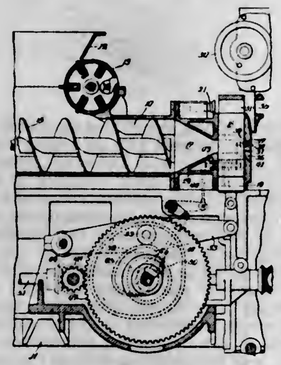
880
POLYANTHA ROSE PLANT
Carl George Duehrsen, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application January 2, 1948, Serial No. 108
1 Claim. (Cl. 47—61)

The new and distinct variety of polyantha rose plant, substantially as herein shown and described, characterized particularly by its disease resistance; its uniform, low, compact, rounded form; its exceedingly large semicircular trusses upon which flowers and buds are evenly distributed; its easy adaptability as a forcing rose; its completely remontant blooming habit; and its loosely informal flowers which present a variety of combinations of white and yellow in various stages of opening.

PATENTS

GRANTED OCTOBER 11, 1949

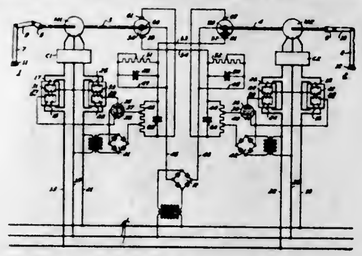
2,484,005
MOLDING AND PACKAGING MACHINERY
Karl Alberti, Toledo, Ohio, assignor to Lynch Manufacturing Corporation, Defiance, Ohio, a corporation of Ohio
Application December 14, 1945, Serial No. 635,019
8 Claims. (Cl. 31—8)



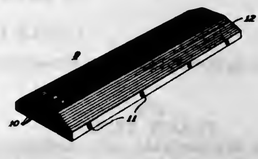
3. In a machine for molding semi-plastic materials into prints, means for recurrently advancing the material under pressure, a box like mold having an opening therein for receiving a predetermined amount of said material, said mold being movable from a first position in which said opening is disposed in the path of the advancing material and a second position in which a print formed in said opening may be ejected therefrom, a valve port in the front of the mold for venting air therefrom during the time the material is being advanced, a source of vacuum connected to the valve port to withdraw air from the mold when said valve is open, a ram for moving prints out of said mold, ram means for moving said mold to said second position and back to said first position, and valve operating means for closing said valve when said mold is being moved to said second position, said advancing means being rendered ineffective while said mold is being moved to said second position and being rendered effective when said mold is returned to said first position and said valve operating means also opening said valve to apply the vacuum as the advancing means forces material into said mold.

2,484,006
SPEED CONTROL SYSTEM FOR MOTORS
Earl B. Ankenman, Olathe, Kans., and Clare E. Center, Reading, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,474
5 Claims. (Cl. 318—74)

1. In a system of control, in combination, control circuits, a motor operating an unbalanced load, a second motor operating a similar unbalanced load, switching means operatively related with the output shaft of one motor for closing and opening contacts as a function of the angular position of the shaft, switching means operatively related with the output shaft of the other motor for closing and opening contacts as a function of the angular position of the second shaft, said switching means being so related to their respective output shafts that said control circuits are energized when the shafts are in a selected out-of-phase relation, a saturable reactor in each of the supply circuits for the motors, said reactors being normally saturated by the energization of said control circuits, and means responsive to the operation of said switching means for deenergizing a portion of said control circuits in response to a departure of the desired out-of-phase relation of the shafts for unsaturating the reactor in the supply circuit of the motor driving its load in advance of the desired out-of-phase relation.



2,484,007
SLOT WEDGE FOR DYNAMOELECTRIC MACHINES
Clarence A. Atwell, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1947, Serial No. 763,884
12 Claims. (Cl. 171—252)

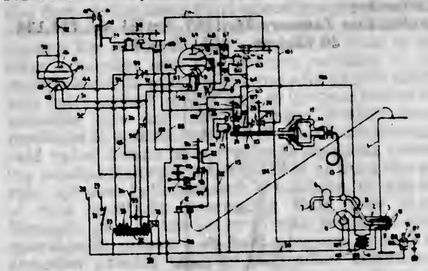


11. A slot-closing wedge for a dynamo-electric machine, said wedge comprising a plurality of metal punchings extending lengthwise of the wedge and substantially radially with respect to the axis of the machine, and means extending transversely with respect to the wedge for holding the wedge-punchings in a compressed stack-formation.

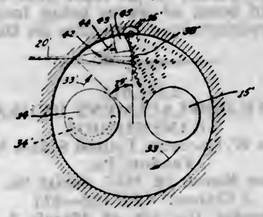
2,484,008
FUEL PRESSURE RESPONSIVE BURNER CONTROLLING APPARATUS
Fred B. Aubert, Detroit, Mich.
Application November 1, 1945, Serial No. 626,034
25 Claims. (Cl. 158—28)

1. A liquid fuel burning apparatus, comprising a burner, a pump for supplying liquid fuel under pressure to the burner, a motor for driving said pump, a starting circuit for said motor,

means to close said circuit, means to ignite the fuel discharged at said burner, means instantly acting upon occurrence of flame at said burner to break said starting circuit, a running circuit for said motor, two open switches in said running circuit, said instantly acting means acting also to close one of said two switches, and means responsive to predetermined fuel pressure and operable to close the other of said running circuit switches to establish current flow through said motor.



2,484,009
INTERNAL-COMBUSTION ENGINE AND METHOD OF OPERATING SAME
Everett M. Barber, Wappingers Falls, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 25, 1948, Serial No. 10,598
14 Claims. (Cl. 123—32)

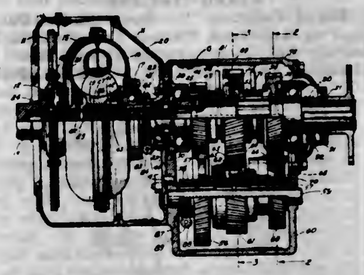


1. The method in the operation of an internal combustion engine having a power cylinder providing a combustion space as herein defined, which comprises introducing air unmixed with sufficient fuel to support combustion into the said power cylinder combustion space, compressing said air therein, injecting prior to top dead center of the compression stroke fuel into a localized portion of said compressed air within the said combustion space at a temperature and pressure such that at least a portion thereof rapidly vaporizes and forms with the localized portion of the compressed air a combustible fuel vapor-air mixture with only a short travel of the fuel from the locus of injection, immediately electrically igniting the localized first increment of combustible fuel vapor-air mixture substantially as soon as formed and before sufficient fuel has been injected and has had an opportunity to disseminate more widely throughout the combustion space to produce knock, whereby the localized combustible fuel vapor-air mixture burns and establishes a flame front traveling with respect to the air within the combustion space and which is confined on the rear side by resulting combustion products and on the front side by a layer of incombustible gas, and continuing the injection of fuel into a narrow zone of said combustion space containing compressed air shortly in advance of the flame front in its direction of movement while moving the compressed air and locus of fuel injection relatively to each other in an orderly manner to progressively form additional localized portions of combustible fuel vapor-air mixture immediately in advance of the traveling flame front so that they are ignited by said flame front and burned substantially as soon as formed, while maintaining the said confining layer of combustion products at the rear and the confining layer of incombustible gas at the front, whereby the formation of sufficient highly heated end gases consisting of unburned combustible fuel vapor-air mixture trapped by the flame front and which ultimately may undergo spontaneous ignition and produce knock is eliminated.

2,484,010
CORROSION INHIBITOR
Edward A. Bried, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1946, Serial No. 719,615
2 Claims. (Cl. 106—14)

1. A liquid composition for depositing a corrosion inhibiting film upon metal surfaces consisting essentially of an unctuous solvent and from about 0.5 to about 5% by weight, based on the solvent, of a corrosion inhibiting salt of a dehydrogenated rosin amine and a saturated fatty acid having a molecular weight between about 170 and 350.

2,484,011
ELECTRIC CONTROL MECHANISM FOR AUTOMATIC TRANSMISSIONS
Renke Brunken and Raymond Haag, Cleveland, Ohio
Application April 2, 1945, Serial No. 586,146
18 Claims. (Cl. 74—731)



1. In a motor vehicle embodying an engine, a torque converter having a turbine therein and a gear train associated therewith, a propeller shaft, and a clutch, mechanism for controlling the operation of said clutch, comprising a fluid operated piston connected with said clutch, a differential gear unit driven by the engine and turbine, a speed responsive electric switch actuated by the differential gear unit, a second differential gear unit driven by the propeller shaft and turbine, a second speed responsive electric switch actuated by the second differential gear unit, means for actuating said piston controlled conjointly by the first and second named switches, a third switch actuated by the last named differential gear unit, a solenoid electrically connected with the third switch and a fourth switch actuated by said solenoid and controlled conjointly by the first and third named switches.

ing and opening contacts as a function of the angular position of the shaft, switching means

der pressure to the burner, a motor for driving said pump, a starting circuit for said motor,

containing compressed air shortly in advance of

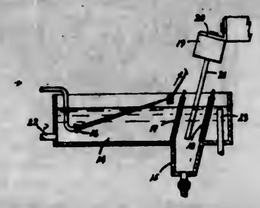
jointly by the first and third named switches.

2,484,012
MANUFACTURE OF FIBERS
John Alfred Calhoun, Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 1, 1946, Serial No. 680,831
17 Claims. (Cl. 18—54)



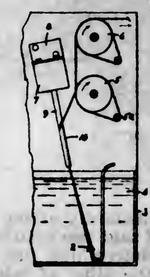
1. The method comprising extruding a solution of an organic polymeric fiber-forming material capable of being formed into fibers which exhibit crystallinity into a setting medium to form initially highly plastic fibers, and prior to converting the fibers from their initially plastic condition to a final, stretched unplasticized condition, subjecting the fibers to high frequency sound wave radiations having a frequency of at least 1000 cycles per second.

2,484,013
MANUFACTURE OF CELLULOSE ARTICLES FROM VISCOSE
John Alfred Calhoun, Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 14, 1946, Serial No. 690,546
6 Claims. (Cl. 18—8)



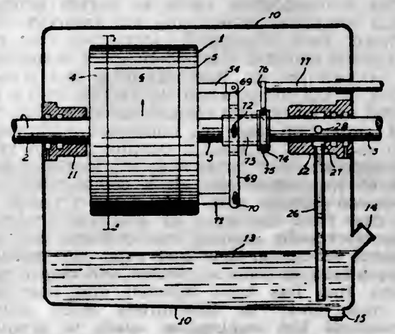
3. Apparatus for use in the manufacture of regenerated cellulose articles from viscose comprising a vessel, means for continuously introducing an acid setting bath into the vessel, and for continuously withdrawing the bath from the vessel, at a controlled rate to insure non-turbulent viscous flow of the bath through the vessel, means positioned in the vessel for continuously extruding viscose into the bath, means within the vessel and at a distance beyond the spinneret in the path of flow of the bath through the vessel from the inlet to the outlet means for continuously subjecting the bath to high frequency sound wave irradiations to effect sedimentation of impurities resulting from decomposition of the viscose and clarify the bath under the influence of such radiations, and means for collecting the sediment thus produced.

2,484,014
PRODUCTION OF ARTIFICIAL FIBERS
Leroy Eric Peterson and Sidney Leonard Dart, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 24, 1947, Serial No. 724,138
20 Claims. (Cl. 18—54)



1. A method of manufacturing artificial fibers from an organic polymeric fiber-forming material capable of being formed into fibers which exhibit crystallinity, which comprises extruding a solution of the fiber-forming material into a setting medium to form initially plastic fibers, advancing the fibers, at some time between extrusion of the fiber-forming material and final setting of the fibers, in a predetermined path and through a focused beam of pulsating sound waves having a frequency of at least 1000 cycles per second, said beam of waves being focused in a definite, predetermined direction on the path of the fibers.

2,484,015
POSITIVE DISPLACEMENT HYDRAULIC TRANSMISSION
Charles W. Cochran, United States Navy, Yeadon, Pa.
Application March 20, 1945, Serial No. 583,825
5 Claims. (Cl. 192—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a variable speed hydraulic transmission having associated therewith a driving shaft and driven shaft, a housing structure rotatable with said driving shaft and having therein separately defined fluid chambers provided with first and second by-passes therebetween, a fluid medium in said chambers, pump elements rotatable respectively with said housing structure and driven

shaft normally cooperable to effect a positive displacement of said fluid from one of said chambers to the other proportional to relative rotation of said driving and driven shafts, means associated with said first by-pass operable to regulate the flow of displaced fluid therethrough from said other chamber to said one chamber and thereby control the pressure of the displaced fluid in said other chamber and the relative rotation of said pump elements and the driving and driven shafts, and valve means in said second by-pass selectively actuable into any one of three predetermined positions to control the flow of fluid therethrough; said valve means in one of said positions providing substantially unrestricted flow of fluid through said by-pass between said chambers, in another of said positions precluding fluid flow therethrough, and in the other of said positions being operable in response to fluid pressure in said one chamber greater than in said other chamber to cause fluid flow through said by-pass from one chamber to the other proportional to the fluid pressure difference therebetween.

2,484,016
DOUBLE TWIST SPINDLE
John Kermit Cochran, Conyngham, Pa., assignor to The Dupian Corporation, Hazleton, Pa., a corporation of Delaware
Application January 13, 1948, Serial No. 1,975
10 Claims. (Cl. 57—58)



1. A double twist spindle for textile yarns having a shank portion having an internal longitudinal passage and a transverse hole therein and a smooth finished elongated pin supported in said transverse hole and having the side thereof projecting into said internal passage.

2,484,017
APPARATUS FOR DISPENSING ICE CUBES
Lloyd G. Copeman, Metamora, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application April 11, 1944, Serial No. 530,526
5 Claims. (Cl. 62—105)

1. A device for forming and dispensing ice cubes which comprises a distortable ice cube tray, a freezing compartment, means for movably mounting each end of said tray in said compartment, a storage compartment below said tray, means for releasably locking one end of said tray against movement to permit distortion of the tray by movement of the other end to effect release of ice cubes frozen on said tray, and for releasing said locked end to permit inversion of said tray,



and means for directing released cubes from said inverted tray to said storage chamber.

2,484,018
PIPE LINING MACHINE AND METHOD
John M. Crom, Washington, D. C., assignor to Preload Enterprises, Inc., a corporation of Delaware
Application February 21, 1946, Serial No. 649,330
21 Claims. (Cl. 25—38)



1. A machine for troweling the inside surface of pipes, comprising a carriage adapted to be moved through the pipe, a shaft carried by and projecting beyond the carriage, means for rotating the shaft, a polygonal frame carried by the shaft and including two relatively angular arms radiating from the shaft and pivotally connected at their ends to the outer portion of the frame, said frame being disposed in a plane normal to the shaft, a trowel attached to the outer portion of the frame, and a spring associated with the frame and normally operative to pull said arms toward each other and move the trowel outwardly.

14. A method of lining and finishing pipe with a cementitious coating, which consists in projecting plastic cementitious material radially outward onto, around and progressively along the inner wall of a pipe, troweling the cementitious material in place on said wall progressively around and along the pipe following the projecting of said material, and preventing the accumulation of dust and grit particles on the troweled surface by providing a protective shield between the troweling and projecting locations to an annular position adjacent to but spaced from the lining and creating a suction forwardly of the shield and the continuous passage of a current of air forwardly through the space between the shield and the lining.

2,484,019
PROCESS FOR CORRECTING NEGATIVES
Edward Devores, Brighton, Mass.
Application August 6, 1945, Serial No. 609,303
6 Claims. (Cl. 41—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of altering a print which comprises bleaching the area to be altered with a bleaching solution, altering the bleached area

with an ink having substantially the following formula:

	Parts by weight
Gluten starch	15
Gum arabic	20
Water	50
Glycerine	05
Sodium bicarbonate	05
Alcohol	05

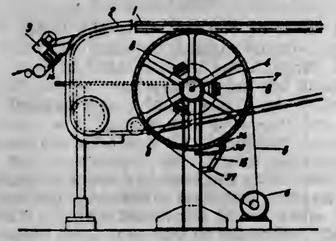
covering the bleached area with a paint having substantially the following formula:

	Parts by weight
Resin (powdered)	25
Turpentine or paint thinner	10
Cuprous oxide	40
Ground or powdered glass	15
Spar varnish	05
Lamp black	05

and then covering the coated area with a solution having the following formula:

	Parts by weight
Water	90
Glacial acetic acid	05
Glycerine	05

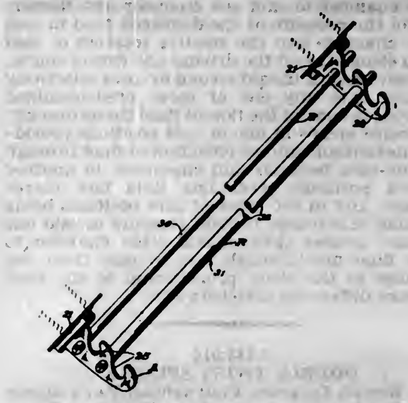
2,484,020
AUTOMATIC FEEDING DEVICE FOR CLOTH
Julien Dungler, Basel, Switzerland
Application April 26, 1947, Serial No. 744,263
In France May 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1959
4 Claims. (Cl. 26—57)



1. In a feeding mechanism for supplying cloth to tenter frames and like machines having a motor and adjacent their movable inlets electric contact means for cooperation with the selvedge of said cloth and for regulating supply of current to said motor; controlling means for correspondingly adjusting a tenter inlet in response to lateral deviations of said cloth as it is fed to the inlet, said controlling means including a threaded spindle, a member disposed for movement on said spindle and operatively connected with said tenter frame, a pulley in driving connection with said motor and loosely mounted on said spindle, electro-magnetic means carried by said pulley, and coupling means including a soft iron element adapted for cooperation with said electro-magnetic means, said element being carried by said spindle, whereby said pulley may be clutched through said coupling means with said spindle for effectuating adjustment of said tenter inlets.

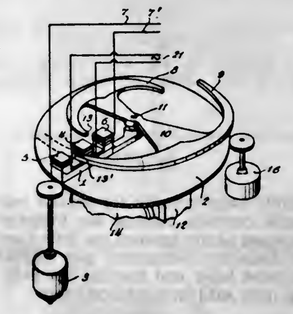
2,484,021
BRACKET
William C. Eaves, Elyria, Ohio
Application September 5, 1946, Serial No. 694,868
6 Claims. (Cl. 248—251)

6. A supporting device comprising a pair of brackets each including a plate having a hollow rib provided with a slot and an arm engaged with said plate and extending through said slot, the arms having transverse apertures and being movable toward each other from a position substantially parallel to each other and perpendicular to the plates, and a rod extending be-



tween said brackets and having end portions of reduced thickness extending through said transverse apertures, said rod having shoulders adjacent the reduced end portions engaging said arms and substantially preventing motion of the arms toward each other.

2,484,022
PICK-OFF DEVICE FOR ELECTRICAL CONTROL SYSTEMS
Orland E. Esval, Huntington, N. Y., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application March 27, 1945, Serial No. 585,087
10 Claims. (Cl. 177—380)



10. A pick-off device for generating a signal in response to relative displacement between two relatively rotatable objects comprising a transformer mounted on one of said objects and having two separate open magnetic circuits, an output coil linking each of said circuits, means for supplying an alternating M. M. F. to each of said circuits, a pair of semicircular magnetic armature members, common rotating means for mounting said members on the other of said objects in such manner that each member cooperates with one of the gaps of said circuits in a differential manner with respect to the other member, and means for connecting said coils in opposition, whereby an output voltage having a phase sensitive to the sense of said relative displacement is obtained, said transformer including a three-legged core mounted radially with respect to the axis of rotation of said one object, and said armature members comprise arcuate arms, one arm cooperating with the gap between the center leg and one outside leg of said transformer, and the other arm cooperating with the center leg of the other outside leg, both said arms being tapered so as to give a straight line M. M. F: when severally cooperating with said transformer gaps, said armature assembly being rotatable through 360°.

2,484,023
MANUFACTURE OF PROPELLANTS
Charles P. Fenimore, Baltimore, and Lester P. Kuhn and Joseph H. Fraser, Havre de Grace, Md.
No Drawing. Application June 20, 1945, Serial No. 600,635
1 Claim. (Cl. 52—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

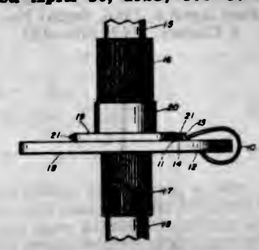
The process for preparing propellants which comprises contacting fluffy fibrous nitrocellulose substantially free of water with a solution of cobaltous rosinate in a mixture of carbon tetrachloride and petroleum ether, to effect adsorption of cobaltous rosinate from said solution by said fibrous nitrocellulose, separating said fibrous nitrocellulose from said solution after the said adsorption of cobaltous rosinate therefrom, drying the said separated fibrous nitrocellulose, and thereafter incorporating in a propellent mix the fibrous nitrocellulose containing the adsorbed cobaltous rosinate.

2,484,024
LATCH BOLT GUARD
Waldo L. Garberding, Chicago, Ill.
Application June 9, 1944, Serial No. 539,572
4 Claims. (Cl. 292—346)



2. In a latch bolt guard of the character described, an elongated member made of thin originally flat sheet metal, the metal being of such thinness as to be received freely within the normal operating clearance customarily provided between the edge of a door and the door jamb, said member being bent along a longitudinal line into substantially L-shape cross section and thereby having a pair of mutually reinforcing substantially right-angularly related flanges one of which is adapted to serve as a base flange to rest against the door jamb between the edge of an associated door and the door jamb and the other of which is adapted to rest against the door stop between the adjacent margin of the door and the door stop, with the adjacent corner of the door adapted to be freely received within the reentrant corner of the member formed by said flanges, and a series of individual co-operatively related attachment and guard prongs struck out from said base flange and extending at right angles thereto substantially in the plane of and parallel to the stop-engaging flange whereby the prongs are adapted to be driven into the door jamb by hammering against the free edge of the stop-engaging flange or by applying driving force as by means of a driving block placed within the reentrant corner of the member and bearing against the base flange, the apertures in the base flange resulting from striking out of said prongs accounting for but a minor proportion of the area of said base flange and being spaced substantially inwardly from the outer edge of said base flange, said base flange thereby constituting a solid bar of metal outwardly of the tips of the apertures and a series of transverse bars extending from said solid marginal bar to integral juncture with the stop-engaging flange at the bases of the respective adjoining prongs, thus providing a substantially uniform pattern of solid rigidifying base flange bars alternating with said prongs at the base of the stop-engaging flange, the spaces between prongs being wide enough to permit free driving of the prongs into the door jamb but narrow enough to prevent the insertion therebetween of an instrumentality which would be effective to pry the bar loose or which might have a retracting effect upon the guarded latch bolt.

2,484,025
RING CLAMP FOR INSTALLING CLUTCH SHAFT FLANGE RINGS ON A CLUTCH SHAFT FLANGE
Lexie H. Garner, Newport, N. C.
Application March 26, 1946, Serial No. 657,319
1 Claim. (Cl. 24—259)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

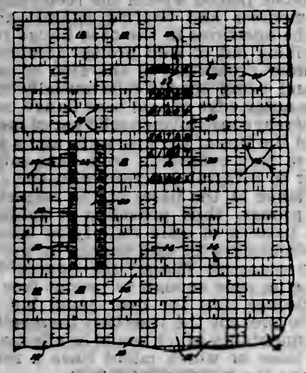


A clamping device for positioning a ring on the hub of a shaft flange comprising a spiral-like resilient strip one end of which extends beyond and overlaps the other end, a pair of spaced fingers integral with and extending outwardly at approximately right angles to surface of the strip at said one end, a tongue integral with and extending forwardly from said one end, said tongue extending from a position between said fingers and the said other end of the strip extending inwardly of said spiral-like resilient strip whereby, when said clamping device is placed radially over the edge of said flange to position a ring on said hub the tongue projects between the ring and the flange and said fingers bear upon the outside periphery of said ring, the said device holding the ring in position on said hub by frictional engagement with said flange.

2,484,026
GAME BOARD AND PLAYING PIECES THEREFOR
Hollister W. Gutridge, Worcester, Mass.
Application April 9, 1946, Serial No. 660,786
3 Claims. (Cl. 273—130)

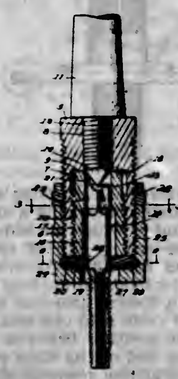
1. A game comprising a board divided into a series of boxes, each box being subdivided into a

series of divisions, an indicating insignia in at least one of said divisions in each box, a series of separate indicator pieces, a series of divisions on each piece corresponding in general in number to



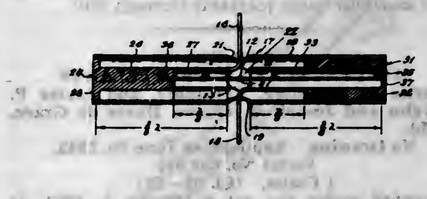
said box divisions, and characters in the several piece divisions, so that a piece may be set in any box with the indicating insignia pointing out a character on the piece.

2,484,027
TOOLHOLDER
Bernard Patrick Haffey, Lakewood, Ohio, assignor to Bernard A. Herren, Bay Village, Ohio
Application April 4, 1946, Serial No. 659,633
6 Claims. (Cl. 279—16)



1. A tool holder comprising a cylindrical body having a central forwardly open socket, a sleeve secured in said socket and of an internal diameter to loosely receive a tool shank, the rear end of said sleeve being of flat-sided form internally to loosely engage a flat-sided rear end of the tool shank, a body of elastic material at the front end of said cylindrical body and sleeve and having a central opening of a size to snugly receive the tool shank, and a cap secured upon the front end of said cylindrical body and clamping said elastic body in place, said cap having a central opening larger than said opening of said elastic body, whereby the tool may laterally float.

2,484,028
HIGH-FREQUENCY BRIDGE CIRCUIT
William W. Hansen, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 17, 1945, Serial No. 578,293
8 Claims. (Cl. 178—44)



7. An ultra high frequency network comprising an inductive reactance element and a capacitive reactance element in series, one of said reactance elements comprising an inner conductor and a first tubular conductor coaxial therewith and forming with said inner conductor a first coaxial transmission line, means providing a low-impedance current conduction path between said inner conductor and said first tubular conductor, the other of said reactance elements comprising a second tubular conductor of inner diameter exceeding the outer diameter of said first tubular conductor and forming with said first tubular conductor, a second coaxial transmission line section, said second transmission line section including means therein providing a low-impedance current conduction path between said first tubular conductor and said second tubular conductor, said first tubular conductor having an open end an appreciable distance from the said current conduction path means in said first and second transmission line sections, and means for supplying radio frequency potential between said inner conductor and said second tubular conductor at points thereon adjacent said open end of said first tubular conductor, the length of the transmission path between said open end of said first tubular conductor and one of said current conduction path means being shorter than an odd number of quarter wave-lengths by an amount appreciably less than one-quarter wavelength, and the length of the transmission path between said open end of said first tubular conductor and the other of said current conduction path means being greater than an odd number of quarter-wavelengths by an amount appreciably less than one-quarter wavelength.

2,484,029
HYDRAZINE DERIVATIVES OF PYRIDAZINE COMPOUNDS
Max Hartmann and Jean Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application December 10, 1946, Serial No. 715,352. In Switzerland December 21, 1945
11 Claims. (Cl. 260—250)

2. Phthalazines in which a ring carbon atom in the ortho-position to a ring nitrogen of the pyridazine ring is directly connected with one of the two nitrogen atoms of a substituent selected from the group consisting of the hydrazino-group, hydrazino-groups substituted by hydrocarbon radicals and hydrazone radicals.

2,484,030
ELECTRICAL DEFLECTOMETER
Charles E. Hastings, Hampton, Va., and Harry H. Ricker, Jr., Philadelphia, Pa.
Application August 12, 1946, Serial No. 689,848
11 Claims. (Cl. 323—75)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrical deflectometer; a fixed supporting base; a slidewire element; a contact element adapted to engage said slidewire element; a first flexible means for mounting said slidewire element on said supporting base and adapted to restrict movement of said slidewire element to a direction toward and away from said contact element; a second flexible means for mounting said contact element on said supporting base and adapted to restrict movement of said contact element to a direction along the length of the slidewire element; and means cooperating with said contact element and said first flexible means for adjusting the contact pressure between the slidewire element and said contact element.

6. For use in an electrical deflectometer, a Wheatstone bridge including a non-conductive block of substantially rectangular shape with front and side faces; a shallow groove formed in the front face of said block and extending lengthwise of said block; two oppositely disposed metal plates affixed to each end of said block respectively by a first and second metal screw, each of said plates having a shallow groove aligned with the groove in said block; a third metal screw affixed in the side face of said block; a continuous resistance wire extending from said third metal screw to said first metal screw to form one leg of said bridge, then along and partially imbedded in said shallow grooves of one metal plate, the block and the other metal plate, respectively, to said second metal screw, to form two more legs of said bridge, and from said second metal screw to said third metal screw to form the fourth leg, the said resistance wire being soldered to said metal screws at the junctions of the wire with the screws, said junctions at the first and second screws providing a pair of opposite connections for said bridge, and a slidewire contact for cooperation with the portion of said wire extending lengthwise of said block, and providing with the junction at said third screw the other pair of opposite connections for said bridge.

2,484,031
DRAIN TRAP
Hilding Havrenius, Jonkoping, Sweden
Application June 1, 1944, Serial No. 538,259
In Sweden March 10, 1943
7 Claims. (Cl. 182—7)

1. A trap for drain pipes and the like which comprises a hollow receptacle of generally tubular shape, an inlet socket member and an outlet socket member connected with said receptacle and an inner depending wall serving to partition the interior of said receptacle into a downwardly extending passageway and an upwardly extending passageway, said passageways being in open communication at their lower ends to form a pocket adapted to hold a water seal and to form a continuous passageway connecting said inlet socket member with said outlet socket member, said trap being adapted to be connected in the



drain pipes of sinks and the like, said receptacle being constructed of an elastic plastic material which is sufficiently resilient to yield to deformation by the hand so that slime and other matter precipitated inside said trap may be loosened therefrom by squeezing the receptacle by hand so as to temporarily deform the same.

2,484,032
DIE STRUCTURE
Axel M. Holm, Moline, Ill.
Application September 14, 1945, Serial No. 616,439
8 Claims. (Cl. 153—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

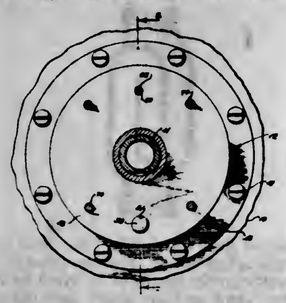


6. Die structure comprising a base, a mandrel paralleling said base, means forming a first support on said base, means mounting said mandrel on said first support for floating movement toward and away from said base including a first element on said supporting means and a second element on said mandrel, one of said elements comprising a vertically elongated slot formed in the direction of movement of said mandrel and the other of said elements including a pin passed through said slot between said mandrel and said supporting means, a second support on said base adjacent the end of said mandrel and spaced from said first support, resilient means on said second support connecting said mandrel and said base and normally positioning said mandrel in spaced relation to said base, a die movably carried by said base for cooperation with said mandrel, and a concave support member carried by said base to support said mandrel against the action of said movable die.

2,484,033
BRAKE MECHANISM FOR ROTARY FILES
Lester R. Houghtaling, Yonkers, N. Y., assignor to Wheeldex Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application March 5, 1948, Serial No. 13,203
9 Claims. (Cl. 192—8)

1. In combination, a stationary shaft, a member journalled for rotation thereon, a handle

journalled co-axially of the shaft and connected to the member with limited lost motion for rotating the same, a brake mechanism for normally restraining rotation of the member, and means for releasing the brake mechanism upon the application of rotational force to the handle, said mechanism comprising a pair of oppositely operating one-way brakes, shiftable between opera-



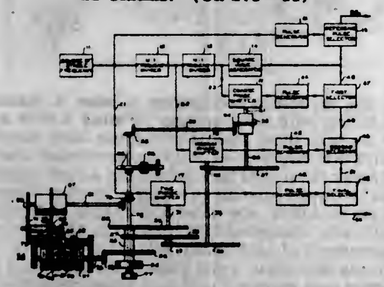
tive and inoperative positions, a wedge for normally shifting them to the operative position, means urging the wedge to release position, a connection between the handle and wedge resisting the last mentioned means when the handle is in normal, released position, but permitting such shifting of the wedge when the handle is moved through said lost motion relative to the member.

2,484,034

INTERVAL MEASURING SYSTEM

Eric J. Isbister, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application April 24, 1945, Serial No. 590,088
11 Claims. (Cl. 178—44)



1. In electronic timing apparatus employing a low frequency phase shifter and a high frequency phase shifter geared together in accordance with the frequencies of the waves transmitted thereby, the waves being synchronized with a periodic reference signal, and the phase shifted low frequency waves being utilized for selecting recurrent portions of the phase shifted high frequency waves to obtain a periodic signal delayed a precise and unambiguous interval with respect to said reference signal, the combination comprising a revolution counter responsive to said high frequency phase shifter for indicating the time delay, means for introducing a large change in said time delay by actuating said low frequency phase shifter independently of said high frequency phase shifter, and means for registering said large time delay change on said counter independently of the time delay indicated in response to said high frequency phase shifter.

2,484,035

TRICHOMONADICIDAL THERAPEUTIC COMPOSITION

J Garth Johnsen, Bound Brook, N. J., assignor to Ortho Pharmaceutical Corporation, a corporation of New Jersey

No Drawing. Application June 11, 1946, Serial No. 676,103
9 Claims. (Cl. 167—58)

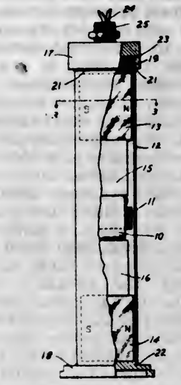
1. A therapeutic composition adapted for the treatment of *Trichomonas vaginalis* vaginitis comprising a member of the group consisting of bromoacetic acid and its water-soluble salts as the effective trichomonadicidal agent, uniformly distributed in a water-dispersible, colloidal therapeutic vehicle that is compatible with said bromoacetic acid compound and essentially non-irritating to human tissue, said bromoacetic acid compound being present in said composition to the extent of not more than about 1 part by weight to 700 parts by weight of said vehicle.

2,484,036

MAGNETOSTRICTION HYDROPHONE

John R. Kauke, Washington, D. C.

Application April 16, 1945, Serial No. 588,515
3 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hydrophone comprising a water-tight tube of magnetostrictive material closed at each end, a pick-up coil disposed in said tube with its axis transverse to the axis of the tube, a permanent magnet disposed on either side of the pick-up coil within the tube with like poles pointed in the same direction normal to the axis of the tube, said pick-up coil and the permanent magnets being spaced apart along the axis of the tube, and a core comprising a laminated iron structure upon which said pick-up coil is wound with its axis parallel to the polar axis of the magnets, whereby when the casing of said hydrophone is subjected to compressional stresses representative of under-water sound the permeability of said tube will be altered to vary the flux which passes through it and the pick-up coil with resultant voltage variations in said coil.

2,484,037

ATOMIZING STRUCTURE

Alexander S. King, Jr., Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 29, 1945, Serial No. 596,503
3 Claims. (Cl. 299—120)



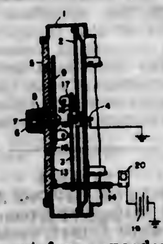
1. A liquid fuel atomizing nozzle comprising an outer shell having a bore closed at one end and open at the opposite end, said closed end having an emission orifice therethrough; an inner core structure disposed in the bore and closing the open end thereof, said core structure having a swirl chamber formed by a recess in its inner end aligned with, and facing, the emission orifice; means for conducting fuel to said swirl chamber and for causing it to swirl therein; and a plate positioned between the swirl chamber and the emission orifice in spaced relation to the latter and provided with an orifice which is aligned with the emission orifice and is of greater cross sectional area than the latter, said plate being clamped by, and forming a seal between, the core structure and the shell.

2,484,038

SPEEDOMETER ATTACHMENT

Otis M. Kirlin, Detroit, Mich.

Application April 11, 1947, Serial No. 740,868
3 Claims. (Cl. 200—56)



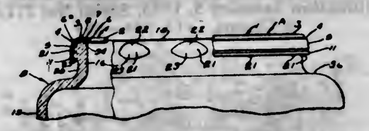
3. An attachment for a speedometer having a pivotal speed-responsive pointer, a scale traveled by such pointer, and a transparent plate shielding the pointer and scale, said attachment comprising an element journaled in said plate at the extended pivotal axis of said pointer, a manually adjustable pointer secured on said journaled element interiorly of said plate, a knob for adjusting the adjustable pointer secured to said element exteriorly of said plate, a pair of electrical contacts respectively rotative with the respective pointers and interengageable through the substantial registering of said pointers with respect to said scale, and a circuit including and normally broken at said contacts and further including a member pierced by said journaled element and gripped between the second pointer and the transparent plate to establish good electrical contact with the adjustable pointer, and carrying an arcuate scale traveled by the adjustable pointer, and having stops limiting travel of such pointer, and means restraining said circuit member from rotation about said journaled element.

2,484,039

CONTAINER AND CLOSURE

Frank W. Krueger, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Application June 6, 1945, Serial No. 597,863
6 Claims. (Cl. 215—38)



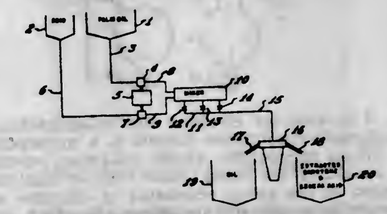
1. In combination a container having a non-yielding wall provided with a top face and a plurality of spaced non-yielding projections on its periphery below said face each provided with an inwardly declined lower surface, and a cap comprising a top provided with a sealing ring for sealing engagement with the top face of the container and a depending skirt terminating in a rigid bead of a diameter slightly greater than the outer periphery of said wall of the container but less than a circle defined by the apexes of said projections, said bead being disposed from said sealing ring a distance slightly less than the spacing of the top face of the container from the point of convergence of the lower surfaces of the projections with the outer periphery of said wall of the container, the lower end of said skirt being necked-in above said bead for maintaining the skirt in spaced relation with respect to the apexes of said projections when the bead engages the lower surfaces of the projections, whereby upon application of the cap to the container said bead is drawn in under tension against the declined lower surfaces of said projections after passing the apexes of said projections to exert a continuous downward pull on the cap forcing the sealing ring into sealing contact with the top face of the container and maintaining said sealing contact irrespective of the elasticity of the sealing ring.

2,484,040

PREPARATION OF CAROTENE CONCENTRATE

Willy Lange, Cincinnati, and Robert G. Folzenlogen, Columbia Township, Hamilton County, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

Application May 22, 1948, Serial No. 28,696
12 Claims. (Cl. 260—666)



1. Process of producing carotene concentrate from palm oil which comprises adding to palm oil in liquid condition and intimately mixing therewith at least one acid of the group consisting of sulfuric acid, perchloric acid, fluorosulfonic acid, monofluorophosphoric acid, and difluorophosphoric acid, thereby causing separation of a carotene-rich phase from the oil phase, promptly separating the main body of the oil phase from the main body of the carotene-rich phase.

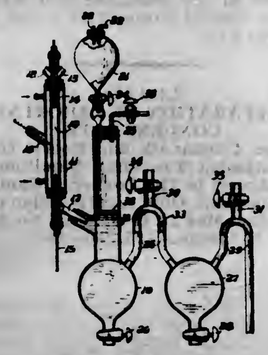
promptly inactivating the acid in the carotene-rich phase and thereby liberating an oily phase rich in carotene, and separating said oily phase.

2,484,041
LIFTING DEVICE
Edward J. Leary, San Francisco, Calif.
Application January 5, 1945, Serial No. 571,438
5 Claims. (Cl. 254—86)



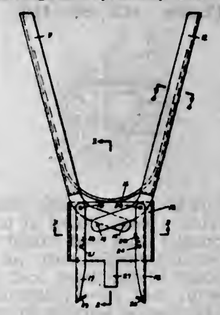
1. The combination with a vehicle, a jack, pivot means mounted on said vehicle to support said jack with respect thereto selectively to operating or retracted positions, cable means for raising said jack to retracted position, a telescopic unit associated with the outer end of said cable resilient latching means associated with the outer end of said telescopic unit for maintaining said jack in retracted position, rotatable control bar means for placing said jack in operating position and for actuating said jack when in operating position, and means mounted on said vehicle for cooperating with said rotatable control bar to retain said jack in operating position.

2,484,042
HALOGENATION OF ALIPHATIC CONJUGATED DIOLEFINS
Paul Mahler, New York, N. Y., assignor to Publicker Industries Inc., a corporation of Pennsylvania
Application November 29, 1944, Serial No. 565,669
4 Claims. (Cl. 260—654)



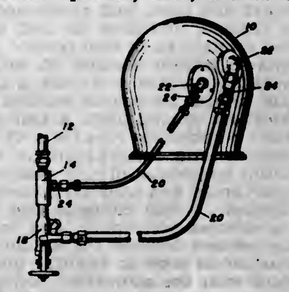
4. A process for effecting the halogenation of an aliphatic conjugated diolefin to a corresponding dihalo monoolefin which comprises reacting the diolefin in the vapor phase with an undiluted halogen of the group consisting of chlorine and bromine in an amount insufficient to effect complete saturation of the diolefin, maintaining the temperature of the reaction between about 25° C. and about 100° C., and quickly passing the reaction mixture into water to separate the dihalo mono-olefin from the unreacted halogen in the form of relatively dense water-immiscible oily globules, thereby substantially to inhibit interaction between the halogen and the dihalo monoolefin and substantially to minimize the formation of saturated polyhalogen compounds.

2,484,043
PULLING AND PUSHING DEVICE
Jarly C. Malen, United States Navy
Application November 26, 1945, Serial No. 630,963
2 Claims. (Cl. 29—268)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pulling and pushing device comprising a body, a portion on said body for engaging a workpiece, a pair of handles individually hinged on said body and extending away from said portion in opposed relation, said handles being hinged each for rotation about an individual fixed axis on said body, a pair of hinges one on each of said handles on the side of the handle axis away from said portion and located so that upon movement of said handles toward each other said hinges move arcuately about the axis toward each other and away from said portion, a pair of arms mounted one on each of said pair of hinges and extending toward said portion in opposed relation for engaging the periphery of a workpiece, said body being formed with a separate substantially straight slot adjacent each arm extending substantially in the direction of the arcuate movement path of the hinge supporting such arm, said slots converging toward each other in a direction away from said portion, and a pin on each arm extending into the adjacent slot, said slots and pins serving to guide said arms for substantially translational movement.

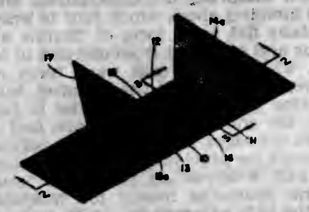
2,484,044
CHIN-OPERATED DIVING APPARATUS
Robert M. Metzger, Portsmouth, N. H.
Application April 2, 1947, Serial No. 738,906
1 Claim. (Cl. 128—142)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



Diving apparatus comprising equipment to enclose at least part of a diver, a conduit to conduct air into said equipment, manually operable valve means in said conduit and means for by-

passing said first valve means and comprising a valve positioned and adapted to be operated by the chin of the diver.

2,484,045
SURGICAL DRESSING
Burton D. Morgan, Fords, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application October 6, 1947, Serial No. 778,251
4 Claims. (Cl. 128—156)



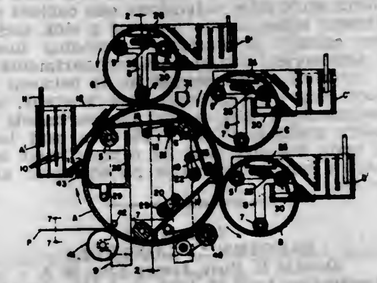
1. An adhesive bandage comprising a carrier strip, an adhesive coating thereon and a non-frayable pad adhering to said adhesive coating and comprising a frayable fabric folded inwardly and toward said adhesive coating at all of its margins thereby presenting one exposed layer free of margins of said fabric and an opposite layer shielded by said exposed layer, composed of marginal portions, facing said adhesive coating, and attached thereto.

2,484,046
METHOD OF TREATING SCALE FORMING LIQUORS
Carl Helmer Nyman, Stockholm, Sweden
No Drawing. Original application November 22, 1940, Serial No. 366,724. Divided and this application March 2, 1943, Serial No. 477,761. In Sweden February 1, 1940
1 Claim. (Cl. 260—124)

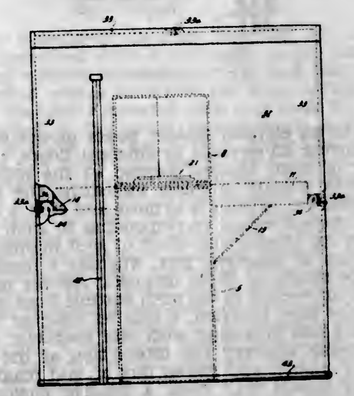
The method of treating liquors with a tendency for undesirable scale formation during subsequent heating to modify the composition of the scale so as to become more readily removable by relatively inexpensive solvents, which comprises establishing in the liquor a finely dispersed suspension of calcium sulphite, passing the liquor containing said suspension to the apparatus for heating, and allowing said substance to deposit together with said scale forming components in order to obtain a scale which will thereby be removable by weak acid solutions.

2,484,047
APPARATUS FOR FORMING SHEET PRODUCTS FROM PAPER PULP
Eugene L. Perry, Bloomfield, N. J., assignor to Paper Plastic Products Corporation, Bloomfield, N. J., a corporation of New Jersey
Application May 29, 1945, Serial No. 596,468
3 Claims. (Cl. 92—43)

3. In a paper making machine the combination of a main cylinder having a perforated wall, means for supplying paper pulp to said wall during the rotation of said cylinder to form thereon a layer of pulp with the fibers extending predominantly in parallel relation to the direction of rotation of said cylinder, a plurality of suction boxes supported in said cylinder, one of said suction boxes underlying a portion of said pulp supply, a plurality of secondary cylinders supported adjacent said main cylinder on axes of rotation substantially parallel with the axis of said first cylinder with their surfaces closely adjacent the surface of the main cylinder at points respectively overlying said suction boxes, means for maintaining a supply of pulp in contact with the surface of each of said secondary cylinders so as to form on each cylinder a layer of pulp the fibers extending predominantly parallel with the direction of rotation of said cylinders, suction boxes in certain of said secondary cylinders underlying portions of said pulp supply, the suction from the boxes in said main cylinder acting to draw the webs formed on the secondary cylinders into contact with the surface of the pulp on said main cylinder, and means to compact said layers into a single sheet of paper board.



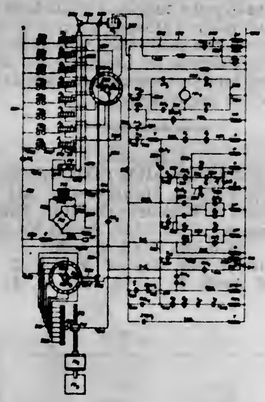
2,484,048
PORTABLE DARKROOM FOR DEVELOPING
Barron C. Powers, Montgomery, Ala., and William H. Richards, Dayton, Ohio
Application April 15, 1946, Serial No. 662,161
2 Claims. (Cl. 95—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A case for use as a kit in the complete field processing of photographic materials, said case being of rectangular form and housing developing, printing and enlarging mechanisms, one end of said case constituting a base on which the case rests, the other end of said case having a lid compartment hingedly openable to form a cabinet work table with the lid compartment impositively held in an upright open position and one side of said case opposite the hinge of said lid compartment being hinged to form a

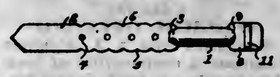
door for accessibility to the interior of said case, the two sides and back of the case interior having spaced ledges lying in parallel planes; and a cabinet compartment detachably mounted on each of the opposite sides of said case adjacent said door by hooks overhanging said other end forming said cabinet work table to hold the top surface of said cabinet compartments in the same plane as the top surface of said work table to form work table extensions, one cabinet compartment being in the form of a sink and the other cabinet compartment providing stowage for accessories, the cabinet compartments being exteriorly dimensioned to fit between said spaced ledges within said case whereby, upon detachment of said cabinet compartments and slidably positioning them between said ledges and upon the door and lid compartment being closed, a compact portable photographic kit is provided.

2,484,049
ELECTRICAL CONTROLS
Donald R. Putt, Jersey City, N. J.
Application April 22, 1939, Serial No. 269,546
23 Claims. (Cl. 318—162)



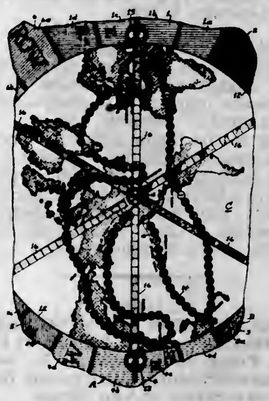
21. In an elevator system, power motive means for moving an elevator to different floors, a plurality of push buttons located at the different floors to initiate impulses indicating the floors to which the elevator is to move and stop, a magnetic storage means corresponding to each such button for storing the effect of said impulses in the form of magnetic flux, whereby a magnetic storage results in those magnetic storage means which correspond to the push buttons from which impulses were initiated, a magnet adapted to be brought into proximity with said magnetic storage means whereby the interaction of the flux of said magnet and stored flux of said magnetic storage means may exert a relative movement between said magnet and said means, means for moving said magnet in accordance with the movement of said elevator car, electrical contacts associated with an electrical circuit and actuated by said relative movement to establish said circuit when said magnet is brought into proximity with a magnetic storage means in which an initiated impulse has been stored as magnetic flux, and means responsive to said established electrical circuit for actuating said power means to move said elevator to a desired floor and stop it.

2,484,050
COMBINATION CURLER AND WAVER
Adelard Hormidas Rivard, Detroit, Mich.
Application September 3, 1947, Serial No. 771,895
1 Claim. (Cl. 132—44)



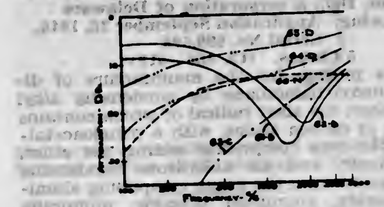
In a hair curler and wave former, the combination which comprises a comparatively short cylindrical mandrel about which hair is wrapped, a substantially flat wave form of flexible material carried by and extended from one end of the said mandrel whereby the said wave form may be folded over either side of the mandrel, said wave form having a V-shaped outer end to facilitate inserting the end in holding means and having scallops in the edges, and also having perforations therethrough for providing ventilation from within with hair wrapped on said wave form, said wave form providing means for wrapping the roots of the hair adjacent the scalp, and a buckle including a plate with transverse straps on both sides thereof extended from the opposite end of the mandrel with the straps providing sockets positioned to receive the end of the wave form whereby the said wave form may be bent around in either direction and inserted in a socket on either side of the buckle plate and thereby temporarily held on either side of the curler by one of the said straps.

2,484,051
GAME BOARD
Robert Lash Robbins, Jr., Hollywood, Calif., assignor, by mesne assignments, to Milton Bradley Company, a corporation of Massachusetts
Application September 30, 1947, Serial No. 777,044
5 Claims. (Cl. 273—134)



1. A board for playing a game in which dummy transferable certificates are used in conjunction with movable counters, comprising a playing surface having an outer circuitous course divided into a number of major segments allocated to different players, each of which is divided into a number of sections representing predetermined playing operations, playing course lines for the several players' counters extending inwardly from each section to a common point, and another circuitous playing course line for said counters, starting and ending at said common point, divided into a succession of counter moving steps equivalent in number to said major segments.

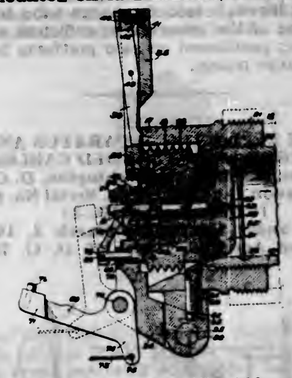
2,484,052
AMPLIFIER HEARING AID
Morris E. Rose, Evergreen Park, Ill., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application August 3, 1946, Serial No. 688,325
6 Claims. (Cl. 179—171)



1. In a hearing aid worn on the body of the user in which the amplified output of a microphone is supplied to a receiver: an amplifier circuit having at least two succeeding high-gain amplifier stages for amplifying a voltage input with a predetermined normal gain over a predetermined relatively wide audio-frequency range; a network having an input side and an output side arranged to be connected between said two stages for selectively lowering the gain over a limited part of said frequency range; said network being free of regenerating and degenerating elements of said amplifier stages; said network including a series circuit portion including a series capacitance connected in one circuit side of said amplifier circuit; a resistance circuit portion including a resistance connected across said series capacitance; said net-work including a plurality of shunting elements of different impedance characteristics arranged to be selectively connected between said resistance circuit portion and the other opposite-polarity side of said amplifier circuit; at least one of said shunting elements being formed of a shunting capacitance at least three times greater than said series capacitance for lowering the response in a mid-frequency part of the frequency range, and at least one of said shunting elements being formed of a resistance for lowering the low frequency gain; a volume control resistance connected in shunt to the amplifier circuit portion extending between said two stages; and control means including a single control member selectively movable to different positions in which different of said shunting elements are connected to said resistance circuit portion, said control member being also movable to an additional position in which said resistance circuit portion is directly connected to said other circuit side and to a further position in which said resistance circuit portion is disconnected from said other circuit side.

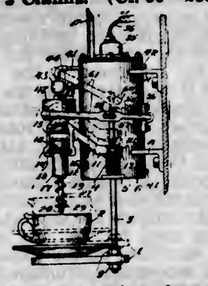
2,484,053
BREECH LOADING MORTAR
Isaac F. Rosenkrantz, Greenbelt, Md.
Application November 6, 1946, Serial No. 708,045
2 Claims. (Cl. 89—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Breech mechanism comprising a breech ring and a rotatable breechblock, firing means associated with said breechblock, a carrier bracket pivotally mounted on said breech ring, a hammer mounted on said bracket, and stop means resiliently mounted on said bracket, said stop means



restraining said hammer until said breech mechanism is in fully locked position.

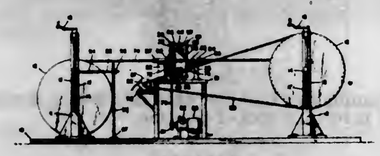
2,484,054
COFFEE-MAKING DEVICE
Renwick J. Sharp, Guatemala, Guatemala
Application August 1, 1945, Serial No. 608,220
3 Claims. (Cl. 99—283)



1. In a device of the class described, hot water tank connected with a city water supply line, a heating element depending within said tank and connected with a source of electrical current, a valve chamber connected with said tank for the circulation of hot water therethrough, a vertically movable discharge tube depending from within said valve chamber, a valve body closing the upper end of said tube and normally engaged with a seat in the bottom side of said valve chamber about the tube, said tube being perforated immediately below said valve body, a cap carried on the lower end of said discharge tube, a cup supporting platform positioned below said valve chamber, a rack spaced above said platform, a tubular receptacle supported on said rack to receive a measured amount of the beverage making substance, a discharge nozzle depending from within said receptacle, means mounted on said tank for supporting said platform and said rack for vertical movement relative thereto, said means being manually operable to effect the lifting of said platform and said rack to cause the top end of said receptacle to engage with said cap, the pressure of said receptacle on said cap acting to lift said discharge tube for the displacement of said valve body from its seat whereby hot water from within said valve chamber will pass through said perforations and downwardly of the discharge tube and from thence into the receptacle and through the beverage making substance for its subsequent discharge from said nozzle into said

cup, and automatic means for causing said valve body to close on its seat during the downflow of hot water through said discharge tube to effect the brewing of the beverage in sufficient amount to fill a cup positioned on said platform beneath said discharge nozzle.

2,484,055
CORE REPLACING APPARATUS AND METHOD FOR STRANDED CABLES
Berger M. Shepard, Washington, D. C.
Application January 5, 1943, Serial No. 476
10 Claims. (Cl. 57—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for separating the strands of a cable and simultaneously therewith replacing the core thereof, comprising a support, spaced paying out and receiving drums mounted on said support, means for driving the receiving drum thereby to draw the cable from the paying out drum, means for maintaining the cable in a straight line as it is drawn from the paying out drum on to the receiving drum, a strand and core separating structure mounted for rotation on the support intermediate said drums, said structure having an axial bore and a plurality of spaced bores concentrically arranged around said axial bore for receiving the core and the strands of the cable whereby the strands are separated from the core, a receiving spool for the core mounted on the separating structure, means including a lateral bore in the separating structure for guiding the core outwardly of the cable as it moves through a portion of the axial bore to the receiving spool, a paying out spool for a substitute core mounted on the separating structure, means including a second lateral bore in the separating structure for guiding the substitute core from the paying out spool into the cable through another portion of the axial bore, means for supporting said spools on the separating structure in such a manner to prevent twisting of the cores as they move between their respective spools and the cable, means for rotating the separating structure, means for driving the receiving spool as the separating structure rotates, and means for reforming the cable as it passes from the separating structure onto the receiving drum.

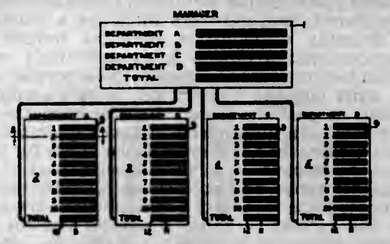
2,484,056
PROCESS FOR PRODUCING 2,2-BIS-(4-METHOXYPHENYL)-1,1,1-TRICHLOROETHANE
David A. Shirley, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 26, 1946, Serial No. 699,595
4 Claims. (Cl. 260—613)

1. In a process for the manufacture of 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane by condensing anisole and chloral, the step comprising mixing anisole, chloral, and anhydrous aluminum chloride in the proportions of at least 3 moles of anisole and at least 0.25 mole of anhydrous aluminum chloride for each mole of chloral to form a homogeneous liquid reaction medium in which the aluminum chloride is dissolved.

2,484,057
PROCESS FOR PRODUCING DI(ALKOXYPHENYL) HALOETHANE
David A. Shirley, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 26, 1946, Serial No. 699,596
5 Claims. (Cl. 260—613)

1. In a process for the manufacture of di-(alkoxyphenyl) haloethane by condensing alkyl phenyl ether, the alkyl radical of which contains less than 13 carbon atoms, with a trihaloacetaldehyde, the step comprising mixing the ether, the aldehyde, and an anhydrous condensing agent selected from the group comprising aluminum chloride, aluminum bromide, aluminum iodide, boron trifluoride, and hydrogen fluoride, in the proportions of at least 3 moles of the ether and at least 0.25 mole of the condensing agent for each mole of the aldehyde to form a homogeneous liquid reaction medium in which the condensing agent is dissolved.

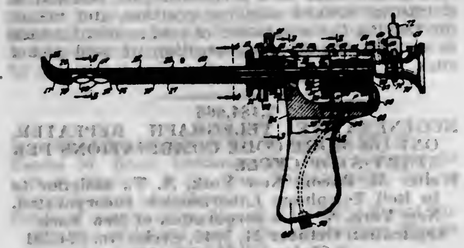
2,484,058
METHOD AND APPARATUS FOR INTEGRATING INFORMATION CONCERNING PRODUCTION AND OTHER OPERATING SCHEDULES
John J. Steinberger, St. Paris, Ohio
Application February 24, 1943, Serial No. 476,996
9 Claims. (Cl. 177—328)



8. A graphical indicator comprising a series of independently movable indicators, one above the other, said indicators possessing different characteristcis, and means for moving said indicators with respect to one another to graphically indicate changes by comparison in the various progresses of the activities being graphically indicated.

2,484,059
ELECTROSURGICAL RESECTING INSTRUMENT
Frederick J. Wallace, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York
Application July 10, 1945, Serial No. 604,220
9 Claims. (Cl. 128—303.15)

1. In a surgical instrument of the character described, a tubular member having a fenestra formed therein, at least one electrode wire rotatably supported within the tubular member and positioned at least in part within the fenestra, a portion of the electrode wire intermediate its ends being substantially helical in configuration,



and means comprising a motor for imparting continuous rotation to the electrode wire.

2,484,060
PRESSURE SENSITIVE ADHESIVE
Henry J. Wing, Milltown, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
No Drawing. Application June 29, 1944, Serial No. 542,829
7 Claims. (Cl. 260—23)

1. A normally tacky pressure-sensitive adhesive mass having a spongy, cushion-like character adapted for coating on a porous, fibrous tape backing in a layer sufficiently thick to secure proper adhesion to human skin, and possessing such internal cohesive strength as to enable a tape surfaced therewith to be unwound from a roll without substantial offsetting, said adhesive mass comprising substantially in percentage range by weight, from 10 to 25 per cent polyisobutylene having a molecular weight substantially of the order of 80,000 to 120,000, 5 to 30 per cent factice as a modifier for the polyisobutylene, 10 to 35 per cent tackifying resin, 5 to 30 per cent plasticizer, and at least 20 per cent of inert reinforcing filler, the tackifying resin and the plasticizer being compatible with the polyisobutylene as modified by the factice.

2,484,061
DICHLORO METHYL SULFENYL CHLORIDE
Sylvan R. Wood, Stillwater, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application May 22, 1948, Serial No. 28,751
2 Claims. (Cl. 260—543)

1. Dichloro methyl sulfenyl chloride.

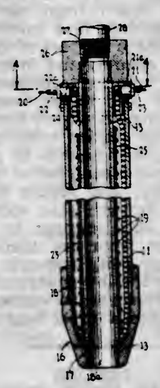
2,484,062
CEMENT BLOCK BUILDING WALL
John E. Abbott, Spring Valley, Calif.
Application September 6, 1943, Serial No. 501,367
2 Claims. (Cl. 72—38)

1. In a building wall of the class described, the combination of a wall comprising superposed solid imperforate brick laid one upon another, each brick provided with a sharp cornered inverted V-shape in cross section ridge along its middle from end to end on its normally upper side extending upwardly from the main body of the brick more than one-half the thickness of the side wall of the brick, and provided with a V-shaped in cross-section recess of greater depth than the heighth of the ridge in its lower side and mortar intermediate adjacent bricks at opposite sides of said V-shaped in cross-section ridge and between the adjacent ends of said brick, and leaving an inverted V-shaped horizontal opening between said bricks and water-



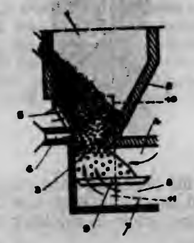
proofing material covering said ridge on the upper side of said bricks in said opening and continuing from one brick to another in each horizontal opening.

2,484,063
ELECTRIC HEATER FOR SUBSURFACE MATERIALS
Charles S. Ackley, New York, N. Y., assignor to Thermactor Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1944. Serial No. 550,210
2 Claims. (Cl. 219—33)



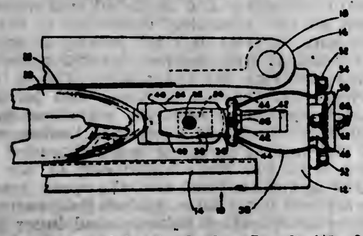
1. Means for treating sub-surface materials comprising, in combination as a closed unit, an outer imperforate tubular member; an inner imperforate tubular member disposed substantially coaxially within said outer tubular member; electrical heating means disposed between said outer and inner members and insulated lead wires extending to and separately connected to the opposite ends of said heating means, a unitary frustro-conical foot member having a through opening receiving the lower ends of said tubes, said inner member at its lower end having a threaded connection with the lower end of the foot member, and said outer tube having on its outer side and at its lower end a threaded connection with the large upper end of the foot member to substantially seal the space between the outer and inner tubes against fluid entry and afford communication between said inner tubular member and the through opening of said foot member.

2,484,064
HEARTH FOR BURNING SOLID FUELS
Alexandre Adrianoff, Ixelles-Brussels, Belgium, vested in the Attorney General of the United States
Application May 7, 1942, Serial No. 442,130
In France October 23, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 23, 1960
3 Claims. (Cl. 110—24)



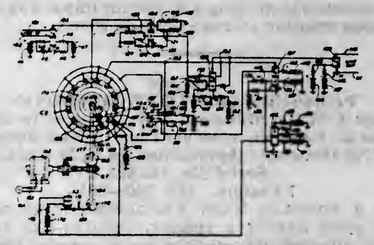
1. A blast furnace comprising an upper hearth in which the solid fuel charge introduced at the upper end subsides gravitationally, a lower hearth having a portion located beneath the upper hearth, the lower end of the upper hearth having a somewhat restricted discharge opening through which unburned fuel and ashes in the upper hearth contact and rest upon unburned fuel and ashes in the lower hearth as combustion progresses, a generally horizontal grating in said lower hearth supporting the burned and unburned fuel and ashes fallen from the upper hearth through said opening, first forced air entrance means entering the lower part of the upper hearth adjacent to said opening and inducing maximum combustion in a manner to produce a high temperature zone in said upper hearth at a point above said opening, in which formation of slag can take place, said grating being spaced from the bottom of the lower hearth to provide second forced air entrance means below the grating and above the grating, and means for passing air under pressure through said second forced air entrance means in a manner to cause air and combustible gases from the combustion on the grate to pass upwardly through the discharge opening and into the lower part of the charge in the upper hearth so as to control the rate of combustion in the said upper hearth.

2,484,065
PICKER STICK CHECK
Everett H. Ashton, Jersey City, N. J., Robert G. Mallard, New York, N. Y., and Elvin A. Mastriani, Newark, N. J., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application August 21, 1946, Serial No. 691,958
4 Claims. (Cl. 139—164)



1. A picker stick check for fly shuttle looms comprising a cam member fixed to the upper end of said picker stick and having a pair of connected diverging cam surfaces, resilient means arranged to engage said cam surfaces and to stop said picker stick in a predetermined position as it returns toward stopping position, and means for varying the separation of said resilient means to control the stopping position of said picker stick.

2,484,066
REGENERATIVE TELEGRAPH REPEATER, ONE OR MORE CODE COMBINATIONS PER START-STOP CYCLE
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1945, Serial No. 624,291
9 Claims. (Cl. 178—70)

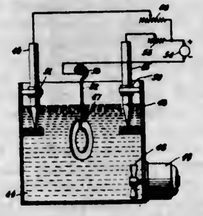


1. In a telegraph system, an incoming telegraph circuit, an outgoing telegraph circuit, a regenerative repeater intermediate said circuits, means in said incoming circuit for receiving at a first time a train of telegraph signal elements consisting of a start signal element of normal duration followed by two complete individual code combinations of multielement permutation code character forming or functional signal elements and a stop signal element of normal duration, each of said character forming or functional signal elements in each of said two combinations being one-half normal duration and arranged alternately, each signal element of one combination followed consecutively by a correspondingly numbered signal element of the other combination, means for impressing all of said signals on said regenerative repeater, means in said repeater for regenerating said signals, means in said repeater for impressing said regenerated signals on said outgoing circuit, means in said circuit for receiving at a second time a single start-stop multielement permutation code signal combination, means for regenerating said single combination and means for impressing said single regenerated combination on said outgoing circuit, said regenerating means for said train of elements and for said single combination comprising a single transmitting device of substantially constant speed of operation per cycle and arranged to regenerate said train of elements and said single combination in equal intervals.

2,484,067
PRODUCTION OF UNSATURATED ORGANIC COMPOUNDS
Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 29, 1949, Serial No. 73,661
18 Claims. (Cl. 260—526)

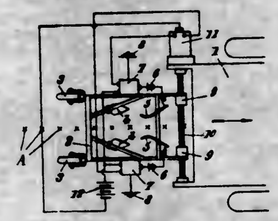
1. In a process for producing an unsaturated carboxylic acid, the step which comprises reacting ketene and an α,β-olefinic aldehyde having only carbon and hydrogen in the molecule in addition to the aldehyde group, at temperatures within the range between −30° C. and +40° C. in the presence of an acidic condensing agent, thereby producing an intermediate product that is convertible to an unsaturated carboxylic acid by reacting it with a strong mineral acid.

2,484,068
ELECTRODEPOSITION APPARATUS
James M. Boce, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Original application March 11, 1943, Serial No. 478,750. Divided and this application March 10, 1944, Serial No. 525,907
6 Claims. (Cl. 204—225)



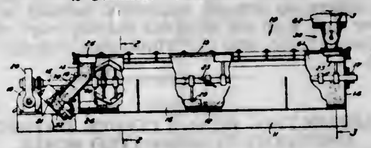
1. In an apparatus for the electrodeposition of metal from a bath, the combination which comprises an anode in the form of a rod composed of the metal to be deposited, said rod having a body portion of substantially uniform cross section and an end portion tapered to a point, means for slidably supporting the body portion of said rod, a supporting plate for the point of said rod, and means for urging the point of said rod against said plate, said supporting means and plate being so constructed and arranged as to expose solely the tapered end portion of the rod to contact with the bath.

2,484,069
AUTOMATIC CONTROL AGRICULTURAL MACHINE
François Boncompain, Saint-Ouen, France, assignor, by direct and mesne assignments, to Etablissements Labinal, Saint-Ouen, France, a society of France, and SEBMA S. A., Societe d'Exploitation de Brevets de Machines Agricoles, Romont, Switzerland, a Swiss company
Application July 21, 1945, Serial No. 606,397
In France July 24, 1944
5 Claims. (Cl. 97—135)



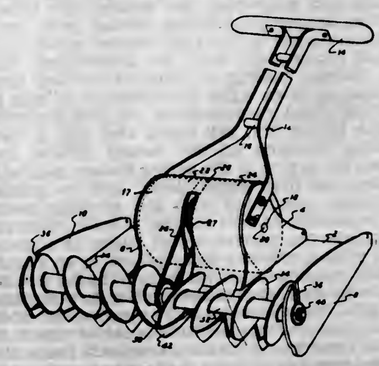
1. An agricultural machine which comprises, in combination, a frame adapted to be moved along the surface to be cultivated, at least one tool carried by said frame, electrical means for controlling said tool, an electric circuit for energizing said means, and at least one electric contact element carried by said frame ahead of said tool adapted to cooperate with a plant present on its path of travel for inserting said plant in said circuit so as to close it through the plant.

2,484,070
POWDER COOLER
John Boyce, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application November 5, 1945, Serial No. 626,828
2 Claims. (Cl. 259—43)



1. In a powder handling device, the combination of: a trough disposed substantially horizontally; a shaft; means for journalling said shaft horizontally in said trough; a series of progressor paddles mounted on said shaft, said paddles being helically angled; means for rotating said shaft to cause said paddles to engage powder in said trough to spread said powder over the inner surface of said trough and cause the powder to progress towards one end of said trough; a hopper extending into said trough from said end thereof, there being a free space in said trough encircling said hopper; a pair of discharge paddles mounted on said shaft including arms located to swing in a plane disposed inwardly from said hopper but close thereto, and blades mounted on the ends of said arms and extending into said free space encircling said hopper so that said blades encircle said hopper when said shaft rotates; and a guide wall disposed inwardly from and adjacent the path followed by said blades to cooperate with each of said blades to support a mass of powder propelled upwardly by said blade and guide said powder into said hopper when said blade moves out of contact with said mass of powder.

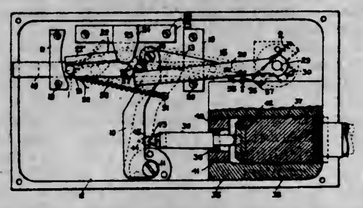
2,484,071
LAWN MOWER
Walter Brauer, Ingleside, Tex.
Application April 1, 1946, Serial No. 658,649
1 Claim. (Cl. 56—294)



In a grass cutting device comprising in combination a frame having a rearwardly extending apron, and cutting means carried by the frame, a main shaft supported by the frame, driving roll-

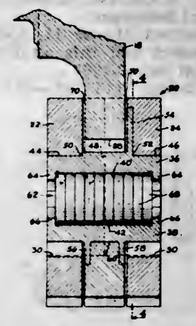
ers carried by the shaft, a sprocket wheel carried on said shaft, a cutter shaft supported by the frame, means operably connecting the cutter shaft with the sprocket wheel, a plurality of V-shaped teeth disposed transversely on the frame, a plurality of elliptical shaped cutting discs disposed on the cutter shaft and arranged at an angle to the longitudinal axis thereof, a number of said cutting discs arranged on the shaft in one direction, the remaining number of said cutting discs arranged in an opposite direction, said cutter shaft adapted to rotate upon movement of the rollers to provide alternate contact of the cutter disc with an adjacent cutting edge of the V-shaped teeth, and said apron receiving the cuttings.

2,484,072
REFLECTING RANGE FINDER HAVING UNIFORMLY CALIBRATED SCALE
William Castedello, Stamford, Conn., assignor to The Kalart Company, Inc., Stamford, Conn.
Application November 2, 1944, Serial No. 561,553
2 Claims. (Cl. 88—2.4)



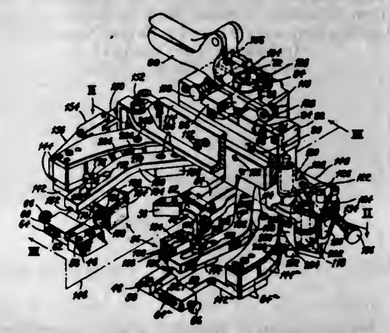
1. A range finder comprising a stationary reflector and a pivotal reflector for viewing objects exterior to said range finder, one image of an object being reflected by said pivotal reflector to said stationary reflector and a second image being viewable through said stationary reflector, a first pivotal lever, a second pivotal lever connected with the pivotal reflector for controlling the angular position of the said reflector, an axially movable bar having a lateral projection extending from it at an angle to the axial bar movement, said bar being operatively connected with the first pivotal lever for axial displacement of the bar in response to a pivotal movement of the first pivotal lever, a pivotally supported bell crank, the first arm of the bell crank slidably abutting at an intermediate point of its length against said projection, the second arm slidably abutting against said second pivotal lever, spring means arranged to pivot the second pivotal lever toward engagement with the second bell crank arm, thereby causing pivoting of the bell crank in response to an axial displacement of said bar ensuring axial displacement of the projection relative to the first bell crank arm and a corresponding pivoting of the second pivotal lever against the action of the spring means, means for pivoting the first pivotal lever, and an indicating means associated with the pivoting means, said indicating means having a scale calibrated to indicate the correct object range in response to the pivotal reflector being placed in an angular position causing said two images to be viewable in a predetermined relative position to each other, said axial displacement of the projection of the bar varying the intermediate point at which the first bell crank arm abuts against said projection, thereby causing a different effective length of the first bell crank arm for different positions of the bar to vary the rate of change in the angular position of the second pivotal lever in response to a certain change in the angular position of the first pivotal lever, said variations in the rate of change being selected so as to match a substantially uniform calibration of the scale of the indicating means.

2,484,073
DYNAMIC DAMPER
Roland Chilton, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application May 3, 1945, Serial No. 591,782
17 Claims. (Cl. 74—604)



4. In combination, a shaft, a member carried by and extending laterally from said shaft, a counterweight member disposed adjacent said extending member, each of said members being provided with similar but facing arcuate tracks, said tracks each sub-tending substantially the combined width of said members, and a plurality of side-by-side disc-like rollers disposed between said tracks and rollable thereon, said disc-like rollers each having a crowned profile.

2,484,074
SHOE POSITIONING AND CLAMPING MEANS
Thomas Baggott Clarke and William Arthur Barker, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 2, 1946, Serial No. 680,970
In Great Britain August 14, 1945
11 Claims. (Cl. 1—82)



1. In a heel attaching machine, means for positioning a shoe mounted upon a last, said means comprising a centralizing gage movable under pressure of the shoe being positioned, clamps for engaging opposite sides of the counter portion of the shoe, means responsive to movement of said centralizing gage for moving said clamps with equalized primary pressure against the shoe, and power-operated means for moving said clamps with equalized secondary pressure against the shoe.

2,484,075
TUBE-FORMING APPARATUS
Fred V. Collins, Des Plaines, Ill., assignor to William F. Stahl, Chicago, Ill.
Application February 27, 1947, Serial No. 731,263
7 Claims. (Cl. 154—42)



1. In tube-forming apparatus, a mandrel about which a plastic sheet is adapted to be drawn, a frame, a suspension bar carried by said frame and extending longitudinally of said mandrel, spaced arms carried by said bar and secured to said mandrel, said arms providing guides about said mandrel to maintain a plastic sheet in folded relation thereabout, a guide carried by the forward end of said bar and freely receiving said mandrel, said guide having inwardly inclined walls for completing the folding of said sheet into tubular form, and means positioned near the adjacent edge portions of said tube for subjecting the same to high frequency radio waves to fuse the same.

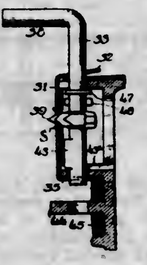
2,484,076
TUBE FORMING DEVICE
Fred V. Collins, Des Plaines, Ill., assignor to William F. Stahl, Kenilworth, Ill.
Application March 24, 1947, Serial No. 736,760
6 Claims. (Cl. 154—42)



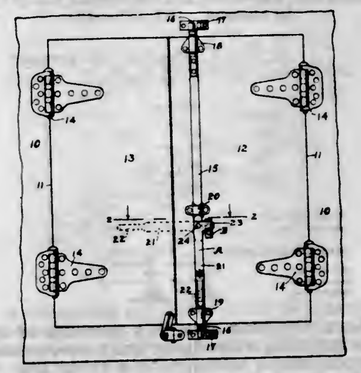
1. Apparatus for forming tubes from fusible flat web material, comprising a mandrel formed of electric-conducting material, means for supporting the mandrel, means for forming said web in tubular form about said mandrel, means for subjecting the edge portions of said tube to the action of high frequency radio waves to fuse said edge portions, and an electric insulation segment interposed in said mandrel forwardly of said last-mentioned means at a distance therefrom substantially equal to an integral multiple of a quarter-wavelength of said radio waves.

2,484,077
COMBINED FREIGHT CAR LOCK AND SEAL
Ernest A. Conaway, Chicago, Ill.
Application March 21, 1946, Serial No. 656,025
11 Claims. (Cl. 292—287)

1. In a device of the class described, the combination of a housing having an open front, a seat for a seal and a bolt hole in its bottom wall; a slotted cover arranged to cover said open front of the housing, said cover having an apertured flange arranged to extend underneath the bottom wall of the housing with said aperture in register with said bolt hole, a longitudinally movable and rotatable locking bolt disposed behind a seal seated upon said seat, and guided to move in said housing, said locking bolt being arranged to lock the cover to the housing and to lock a hasp member to an eye associated with the housing, and said locking bolt having a handle located exteriorly of the housing, and one end of said locking bolt being adapted to be projected through the bolt hole and aperture to lock the hasp member upon the eye, a seal rupturing element carried by said locking bolt and arranged to rupture the seal upon partial rotation of the locking bolt, and cooperating stop means on the housing and locking bolt for locating the seal rupturing element with respect to the seal when the locking bolt is raised toward its upper limit of movement.

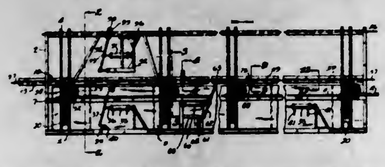


2,484,078
LOCKING MEANS FOR LEVER OPERATED ROTARY ACTUATING BARS OF DOOR FASTENERS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 5, 1947, Serial No. 759,238
6 Claims. (Cl. 292—213)



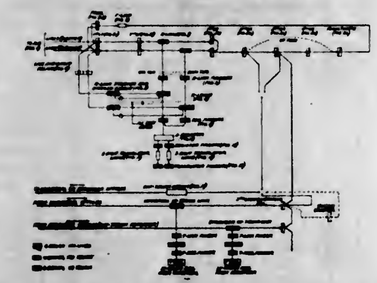
5. In a locking means for a vertically disposed rotary bar of a door fastener for a hinged door, wherein the bar is mounted on the door, the combination with an actuating handle lever pivotally connected at its inner end to the bar to be dropped to pendant position; a fixed wedge plate on the door; and a projecting lug on said lever engageable with said wedge plate to lock the bar against rotation in door opening direction when said lever is moved to pendant position.

2,484,079
HYDRAULICALLY-OPERATED PLATING MACHINE
John V. Davis, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application August 16, 1946, Serial No. 690,995
8 Claims. (Cl. 214—86)



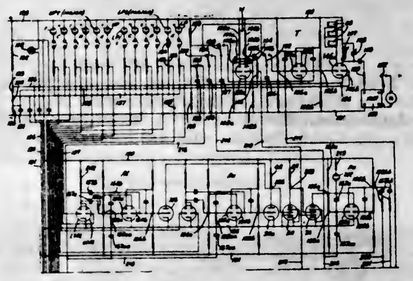
1. In a plating machine, a frame, a pair of rails supported thereby, a series of spaced work carriers movably mounted on said rails, pusher shafts rotatably and slidably mounted adjacent to said rails and spaced respectively therefrom, a series of pushers extending from said shafts and adapted to engage said carriers, means for reciprocating said shafts, racks carried by said shafts, a shaft rotatably supported across said frame, gears on the last named shaft and meshing respectively with said racks to equalize the sliding motion of the first named shafts, means for rocking said pusher shafts and pushers on linear movement thereof in the retracting direction to clear said carriers whereby said pushers pass said carriers without contact therewith, the last named means being adapted to rock said pusher shafts to a restored position to bring said pushers into engagement with said carriers on movement of said pusher shafts in the advancing direction.

2,484,080
TELECOMMUNICATION SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 5, 1944, Serial No. 521,160
19 Claims. (Cl. 179—18)



1. In a switching system, a plurality of lines, means including a line finder and a selector switch for connecting a calling with a called line, both said line finder and switch having first sets of contacts in which lines terminate and a second set of contacts cooperating therewith, switching means for applying potentials to corresponding contacts of said first sets, a register comprising potential comparing means having two input circuits and operable when two potentials simultaneously applied to the different input circuits thereof bear a predetermined relationship to one another, means under control of the calling line and successively operable in selecting stages for applying different local potentials to one input circuit of said comparing means, a circuit established during a first selecting stage for connecting the potentials on the corresponding contacts of the first sets of the line finder to the other input circuit of said comparing means via one contact of the second set of contacts of said line finder, means in said line finder for causing it to seize a first set of contacts when the potential applied to the comparing means from said last-mentioned set via the last-mentioned circuit bears a predetermined relationship to the local potential applied thereto during the first selecting stage, a circuit established during a second selecting stage for connecting the potentials on corresponding contacts of the first sets of contacts of the selector switch to the other input circuit of the said comparing means via one contact of the second set of contacts of said selector switch, and means in the selector for causing it to seize a first set of contacts of the selector switch when the potential applied to the comparing means from said last-mentioned set via the last-mentioned circuit bears a predetermined relationship to the local potential applied to the first input circuit thereof during said second selecting stage.

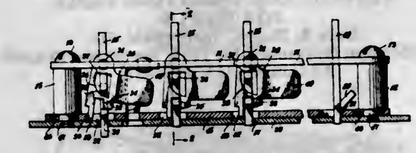
2,484,081
ELECTRICAL ITEM COMPARING SYSTEM
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 17, 1943, Serial No. 483,506
19 Claims. (Cl. 235—61.7)



10. An electrical system comprising circuits producing signals representative of values from different sources, an electronic trigger element having alternative states of equilibrium and composed of cross-tied tubes, one of which is conducting and the other non-conducting to determine one state of equilibrium and the conductive conditions of which are reversed to establish a reverse state of equilibrium of the element, means for applying a pulse to the element to reverse its state of equilibrium, and electrical means commonly controlled by the signals from the different sources for controlling application of such pulse to the element in accordance with the matching or non-matching comparative relation of the values from the different sources.

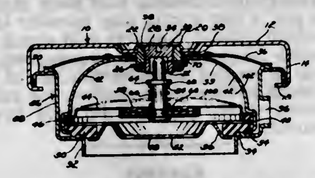
2,484,082
CONTROL DEVICE FOR INTEROFFICE COMMUNICATION SYSTEMS
Thomas E. Essig, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application January 8, 1947, Serial No. 720,851
5 Claims. (Cl. 74—527)

3. In a key control device, a pair of spaced parallel plates each having a slotted portion, said slotted portions being in register, a key slideably displaceable within said slotted portions and having a projection for limiting its displacement therein, said key having a pair of vertically spaced parallel fingers, and a latch pivoted on one of said plates, said latch having a pair of spaced projections of unequal length protruding from its lower portion and defining a slot therein, said latch further having an aperture formed therein, a portion of the periphery of said aperture being shaped to define a cam surface, the upper



key finger extending into said aperture and engaging said cam surface upon displacement of said key, the lower key finger extending into the latch slot and engaging the shorter latch projection upon displacement of said key, said latch being further provided with a weighted portion whereby it is urged in a clockwise direction upon the displacement of said key.

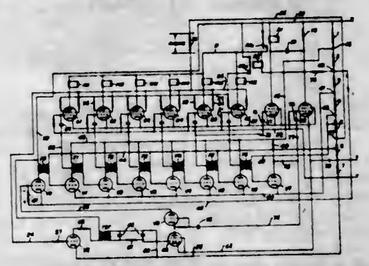
2,484,083
CLOSURE
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1946, Serial No. 642,467
6 Claims. (Cl. 220—44)



1. In a closure for closed fluid systems, a hollow cap body having a central hub affixed thereto, a concentric flexible disc mounted on the hub, a cup-shaped member concentrically mounted on the hub in axial abutting relation to the disc, a two-way valve mechanism supported concentrically on the cup member at the lip end thereof comprising a resilient thin snap action flexible metallic diaphragm and a spring pressed central valve member, and means threaded in the hub for adjusting the pressure responsive load of the diaphragm through the medium of the valve member.

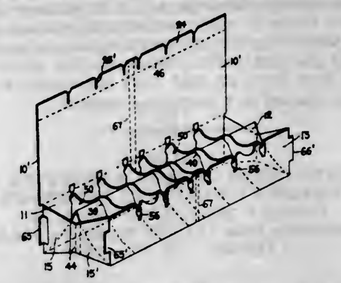
2,484,084
GASEOUS TUBE AND CIRCUIT
Clyde J. Fitch, Endicott, and Robert N. Eichorn, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 27, 1945, Serial No. 631,095
1 Claim. (Cl. 315—324)

In a distributor, a direct current voltage source, a plurality of gaseous trigger tubes, each comprising a gas filled envelope containing a cathode, a first grid, a second grid, an auxiliary anode, and a main anode; means connecting the cathodes, the first grids, and the auxiliary anodes of said tubes to said voltage source so that each of said first grids has a negative bias sufficient to prevent its tube from ionizing, each of the auxiliary anode connections containing a resistance, a load device for each of said tubes, each load device being connected to the main anode of the related tube, means including a normally open contact for connecting all of said load devices to a positive point of said voltage source, means for raising the potential on the first grids of said tubes in succession to unlock the same at different times, means for varying the potential on the second grids of all of said tubes concurrently, between a low value which will prevent ionization of the



tubes and a high value which will permit ionization of any tube having the potential on its first grid raised, said last means being timed in relation to the means for raising the potential on said first grids so that the high value potential on said second grids coincides with the raising of the potential on the first grids of selected ones of said tubes, whereby arcs are started between the cathodes and auxiliary anodes of said selected tubes, and means for closing said normally open contact to complete circuits through the main anodes of said selected tubes and the related load devices.

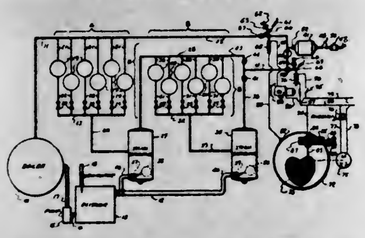
2,484,085
COLLAPSIBLE CARTON
David Golden, New York, N. Y.
Application March 20, 1946, Serial No. 655,748
3 Claims. (Cl. 229—29)



1. A collapsible egg carton of the type described comprising a front wall, a rear wall, a bottom wall forming a longitudinal partition having sloped wall portions joined to the front wall and the rear wall, foldable side walls joined to the front wall and the rear wall, said foldable side walls being shaped and positioned to be fitted between the sloped wall portions of the bottom wall section when the carton is in its collapsed position, and to abut against the lateral edges of the bottom wall when the carton is expanded, each of said foldable side walls being composed of two wall portions, one extending from the front wall section and the other from the rear wall section, a tongue member extending outwardly from each side wall, and a cover, said cover being extended

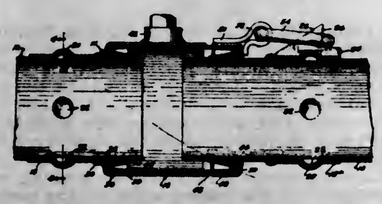
beyond the side walls to form together with the respective tongue members a protective cushion for eggs placed adjacent to the side walls.

2,484,086
STEAM HEATING SYSTEM
Elmer Paul Harrison, Chicago, Ill., assignor to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application December 23, 1946, Serial No. 717,951
8 Claims. (Cl. 237—67)



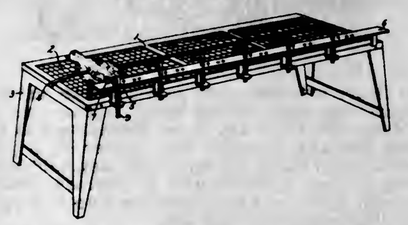
1. In a steam system including a steam source, a heat exchanger connected thereto with a substantially clear channel from the steam source through the heat exchanger, and a steam consuming device, the combination therewith of means to create pulsating steam flow through said heat exchanger for increased heat output by the heat exchanger, said means comprising a first passage means from said channel on the low pressure side of the heat exchanger to said device to promote steam flow through the heat exchanger and to satisfy a fraction of the steam demand of the device, a second passage means from said steam source to said device to satisfy the remainder of the steam demand of the device without substantial effect on the steam flow through the heat exchanger, and means controlling flow through said two passage means in continually repeated cycles of two stages, one stage in which said steam demand is satisfied primarily by said heat exchanger through said first passage means and one stage in which said steam demand is satisfied primarily by said source through the other of said passage means, whereby the velocity of steam flow through said heat exchanger is continually varied in a pulsating manner.

2,484,087
CONSTRUCTION OF IRRIGATION PIPE AND FLEXIBLE PIPE JOINTS THEREFOR
George F. Hauf, River Forest, Ill.
Application June 21, 1947, Serial No. 756,150
7 Claims. (Cl. 285—196)



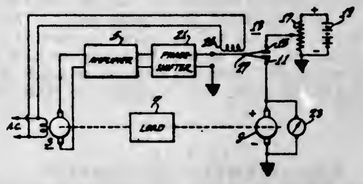
1. An irrigation pipe having a coupler at its end, said coupler member having a tubular collar connected thereto, a pipe extended through said tubular collar into said coupler member, a V-shaped circular gasket positioned about said pipe member within said coupler member, a peripheral row of semi-spherically shaped embossments formed in said collar member and complementary embossments in said pipe for connecting said coupler to said pipe in a rigid manner, leakage being prevented by said gasket.

2,484,088
TESTING AND OPERATING TABLE FOR FOWLS
Dale A. Hayes, Springfield, Ill.
Application November 13, 1945, Serial No. 628,009
2 Claims. (Cl. 119—97)



1. In combination with a testing and operating table for fowls and provided with a table top, an integral marginal clamp support plate and an elastic holding member extending over the table's length, a plurality of fowl leg clamps, each comprising an inverted square hook, a U bracket with square holes for slidably holding said hook by its shank, a pin stop through each shank between the free ends of said U bracket and a coiled spring encompassing said hook shank below said pin, a leaf spring stop member the free end of which slidably contacts said shank of the hook clamp for holding the clamp down when the clamp is pressed down on the legs of a fowl and a clamp release press button for releasing the resilient clamp pressure on said fowl legs when desired.

2,484,089
MOTOR SPEED CONTROL
Harold E. Haynes, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1946, Serial No. 719,565
8 Claims. (Cl. 318—317)



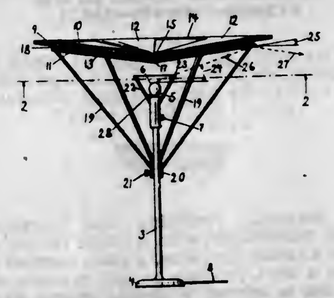
1. The combination comprising a reversible motor subject to undesirable speed variations resulting from changes in its applied load; a D. C. generator coupled to said motor for developing a control voltage proportional to the speed of said motor; means for producing a reference voltage of a magnitude corresponding to the speed at which said motor is to drive said load; means for producing an alternating voltage of a given phase when said reference voltage exceeds said control voltage and of opposite phase when said control voltage exceeds said reference voltage; and means for utilizing said alternating voltage to drive said motor.

2,484,090
MULTIPLE-CAPACITY SPOOL
Reynold T. Hedfield, Madison, Wis.
Application September 18, 1946, Serial No. 697,672
3 Claims. (Cl. 242—118)



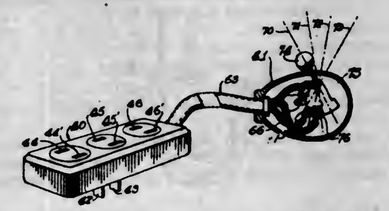
1. A fish-line spool comprising a cylindrical body portion provided with a deep circumferential groove whose interior dimensions are defined by a series of sets of inwardly stepped opposed annular shoulders of progressively diminished diameter, and a readily removable circumferential band supported on one of said sets of opposed shoulders, the removal of said band exposing the entire depth of said groove.

2,484,091
OUTDOOR REFLECTING LAMP
Stella J. Hirshfield, New York, N. Y.
Application November 26, 1946, Serial No. 710,958
3 Claims. (Cl. 240—81)



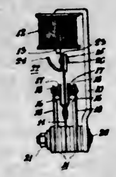
3. A lamp comprising a support, a source of light carried on said support, an inverted funnel shaped hollow body carried on said support and surrounding said light and having the top edge of said body extending above said light source, supporting arms extending upwardly and outwardly from said support, a perforated reflector positioned on said arms at a point above said light source and said hollow body, said reflector being depressed slightly from its circumference to its center, the side of said reflector toward said light source having light reflecting surfaces, a second reflector positioned above said first reflector and spaced therefrom and having substantially the same contour of deflection as said first reflector, said second reflector having reflecting surfaces that register with the perforations in said first reflector, said reflectors being positioned sufficiently above said hollow body that all light rays from said source not contacting said hollow body are reflected by said reflectors downwardly to be below a horizontal plane passing through the circumference of said first reflector.

2,484,092
REMOTE-CONTROL ADAPTER
Roy C. Hopgood, Glen Ridge, N. J.
Application September 16, 1947, Serial No. 774,334
7 Claims. (Cl. 171—97)



3. In a device of the character indicated, an adapter including a housing, first conducting means including an externally projecting portion to form one member of a power-inlet plug, said first conducting means also including a first plurality of electrically connected resilient fingers positioned to be engaged by prongs of further plugs inserted in said adapter, second conducting means including an externally projecting portion to form a second member of the power-inlet plug, said second conducting means also including a second plurality of resilient fingers to be engaged by the further plugs inserted in said adapter, a flexible cable having three conductors, one of said conductors being electrically connected to one finger of said second plurality, a second of said conductors being electrically connected to a second finger of said second plurality, the third of said conductors being electrically connected to the projecting portion of said second conducting means, and a switch including contact means electrically connected to said third conductor and selectably positionable to contact said first and said second conductors.

2,484,093
VIBRATOR
Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application August 18, 1944, Serial No. 549,968
8 Claims. (Cl. 172—126)



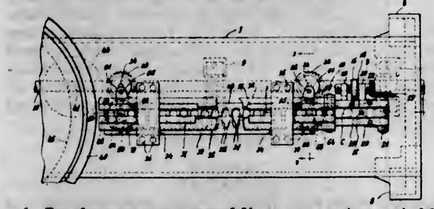
1. A vibratory electromagnetic motor comprising in combination a vibratory reed clamped at one end thereof and carrying a ferromagnetic armature at the other end thereof, a system of contacts operable by said reed, a driver coil adapted to be periodically energized through said contacts to apply deflecting force to said armature and thus to maintain the reed in vibration, and a deformable ferromagnetic metallic plate having a transverse portion fixed on said reed away from the clamped end thereof and having a longitudinal portion adapted to be bent with respect to the reed to be adjusted in a magnetic sense with respect to said driver coil thereby to control the operating frequency of said interrupter.

2,484,094
CASTER BRAKE
Andrew H. Jackson, Opportunity, Wash.
Application August 19, 1946, Serial No. 691,568
2 Claims. (Cl. 16—35)



1. In a friction brake for a caster wheel having a journal pin and fork arms, the combination with a holder including spaced side arms mounted on the pin, and integral inwardly bent lugs on the side arms engaging the edges of the fork arms, of a resilient depressible shoe mounted in the holder for engagement with the wheel, and means for depressing the shoe.

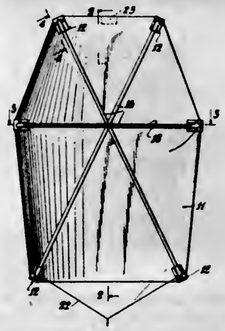
2,484,095
CONVEYER APPARATUS FOR USE IN THE ASSEMBLY OF CLOSURE CAPS
John C. Johnson, East Hempstead, N. Y., assignor of one-half to Walter H. Johnson, Kings Point, N. Y.
Application June 28, 1946, Serial No. 680,315
5 Claims. (Cl. 198—106)



4. In closure cap assembling apparatus, a table, a pair of rails mounted on the table in parallelly spaced relation to each other to engage diametrically opposite flange portions of the closure caps and slidably support the closure caps therebetween with the bottom portion of the closure caps extending below said rails, a closure cap delivery chute having its delivery end in spaced relation to one end of the rails, an endless belt conveyer supported by the table in the space between the delivery end of the chute and the rails to convey the closure caps from said chute toward the rails, a rack bar below each rail and having equidistantly spaced fingers to engage the portions of the closure caps extending below the rails, a pair of meshing gears rotatably supported by the table at each end of the rails, and an arm fixed to the opposite ends of each rack bar and pivotally connected to each gear eccentrically of the axis of rotation thereof to actuate the rack bars in a circular path of movement in opposite directions to successively engage the fingers with and advance the closure caps along the rails.

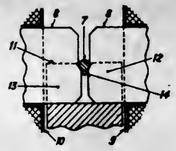
2,484,096
KITE
Murray Kay, New York, N. Y.
Application October 2, 1946, Serial No. 700,802
6 Claims. (Cl. 244—153)

1. A kite, comprising a polygonal sheet of thin, plastic material, elongate straps of relatively heavier material folded over the sheet at the corners thereof and secured to the faces of said sheet along marginal edges of said straps, said straps being provided on each face of said sheet with



an elongate pocket extending inwardly from the apexes of said corners, each said pocket having an entrance opening at its inner end, and flexible spreader sticks secured across said sheet by positioning the ends of said sticks within the said pockets.

2,484,097
MAGNETIC TRANSDUCER WITH WEAR-RESISTANT GUIDE SURFACES
Ernst Keller and Franz Roggen, Zurich, Switzerland
Application March 20, 1945, Serial No. 583,833
In Switzerland October 21, 1944
2 Claims. (Cl. 179—100.2)

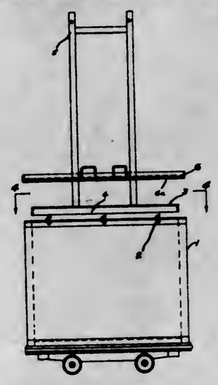


1. In magnetic recording and reproducing heads, in combination with a sound carrier consisting of a round steel wire; a guide member consisting of a hard, precious or semi-precious stone and having a curved V-shaped groove formed therein which extends in one plane and the two surfaces of which are symmetrical in relation to said plane and support said wire, said guide member also having formed therein two opposed slits extending on opposite sides of said plane to said groove; a pair of flat pole pieces of magnetizable material immovably fitting in said slits, each of said pole pieces having a wire engaging surface curved complementary to said round steel wire and said wire-engaging surface being tangent to one of said surfaces of the V-shaped groove.

2,484,098
BAR SOAP MANUFACTURE
Alvin H. Knoll, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application June 23, 1945, Serial No. 601,143
8 Claims. (Cl. 252—368)

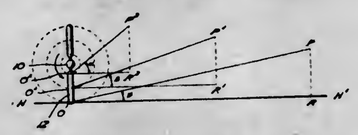
1. The improvement in processes for making bar soap which include preparing a mass of soap which is at least partially in the neat soap phase and chilling said soap while in a mass of at least

slab size until fully solidified, which comprises: causing a mass of soap of uniform composition to flow through a grid having numerous small closely placed apertures, and causing the soap strands emerging from said apertures to reunite into an integral mass, the soap mass during said flow being at a temperature above that point at



which the soap substantially loses its pasty cohesiveness as a result of solidification and being within the temperature range in which the soap is at least partially in the neat phase, and thereafter cooling said soap until fully solidified, whereby the finished bars of soap cut from the mass have a materially reduced tendency to develop cracks during use.

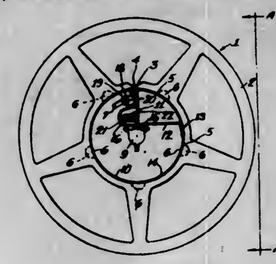
2,484,099
AIRCRAFT ROTOR AND CONTROL THEREOF
Alvern E. Koeppe, Grand Forks, N. Dak.
Application October 5, 1946, Serial No. 701,434
2 Claims. (Cl. 170—160.24)



1. An airscrew blade comprising, a pair of substantially torsionally rigid spars extending lengthwise of said blade and in generally parallel relation, a plurality of blade ribs journalled upon a first one of said spars at intervals therealong and separately rotatable thereon, covering means carried by said ribs to provide the aerodynamic contour of said blade, and cam means carried by the second one of said spars at positions thereon in registry with said ribs and operable upon rotation of said second spar to separately rotate said ribs about said first spar to different degrees for twisting the aerodynamic shape of said blade.

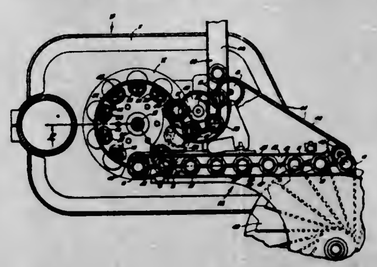
2,484,100
MOTION-PICTURE REEL
Daniel Kramer, Cleveland Heights, Ohio
Application February 16, 1946, Serial No. 648,108
1 Claim. (Cl. 242—70)

A motion picture reel comprising, in combination, shrouds having formed therein arcuate slots, shaft receiving openings and a throat locating marker, a hub formed of a single strip of flat material having a throat provided therein, a fixed integral jaw consisting of a portion extending inwardly and radially from the hub adjacent the throat and into proximity of the shaft receiving openings thence at a right angle thereto and terminating in an arc having a radius equal to the inner periphery of the hub and connected to the latter, the other end of the strip of material at the throat extending inwardly a short distance and curving backwardly towards the periphery of the hub, a movable jaw member having a portion connected to the laterally extending portion and extending therefrom, thence upwardly in parallelism with the fixed jaw member and terminating at an oblique angle from the fixed jaw member, its extremity being located behind the



said inwardly extending portion of the said other end of the strip, a bracket having a U-shaped periphery extending laterally from the parallel portion of the movable jaw member and connected thereto and provided with aligned bores therein, a pin mounted in the bores in the bracket and extending through the arcuate slots in the shrouds and slightly beyond the outer surface thereof, a helical spring interposed between the fixed jaw and the movable jaw and adapted to return the movable jaw when released after manual operation, and a shielding member positioned above the helical spring and connected to the fixed jaw member and adapted to prevent the film from becoming entangled with the helical spring.

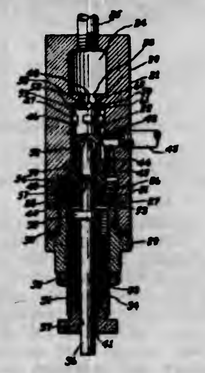
2,484,101
FEED AND DISCHARGE MECHANISM FOR CONTAINER HANDLING MACHINES
Frank W. Krueger, Atherton, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application July 3, 1944, Serial No. 543,339
10 Claims. (Cl. 226—96)



5. In a container feed and discharge mechanism, the combination of: a rotor adapted to rotate about a vertical axis; a series of individual elevators on said rotor each of which is adapted to receive and elevate a container to perform an operation thereon and lower said container while

the latter is supported on said elevator; a sprocket provided on said rotor concentric with said axis and beneath the lowermost position of said elevators; an endless chain meshing with said sprocket and adapted to travel therewith about said vertical axis as the rotor rotates; means on said chain extending upwardly therefrom for propelling containers onto and from said elevators, said elevators being located at all times out of the path of said chain as it travels into and out of meshing relation with said sprocket means; and means independent of said chain for supporting said containers as they are propelled towards and from said elevators as aforesaid by said upwardly extending means on said chain.

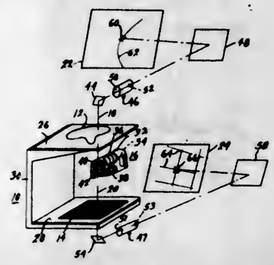
2,484,102
VALVE SEAT
John Le Valley, Painted Post, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 21, 1946, Serial No. 691,909
1 Claim. (Cl. 251—167)



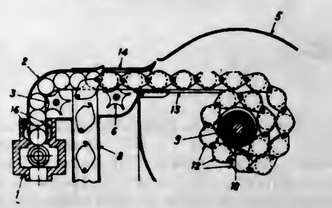
The combination with a valve mechanism including, a valve chamber and a port for the valve chamber, a seating surface encircling the port, a valve in the valve chamber movable axially to control communication between the valve chamber and the port, of an elastic sealing ring of circular cross section to effect a seal on the seating surface and on the opposed surface of the valve and being free to tilt and to move axially and transversely with respect to the valve and the seating surface, and a plate secured to the sealing ring for movement as a unit therewith and having a passage therethrough for the fluid medium controlled by the valve, said plate being of less thickness than the sealing ring and having its transverse median line coincident with that of the sealing ring to permit of the partial compression of the sealing ring on both sides of said plate.

2,484,103
PROJECTION COMPARATOR FOR OBJECTS IN RELATION TO SPACED DRAWINGS OR RETICLES
Robert E. Lewis, Chicago, Ill., assignor, by mesne assignments, to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application August 29, 1947, Serial No. 769,573
10 Claims. (Cl. 88—24)

1. An apparatus for accurately determining the contour of an object relative to a two-dimensional reference system including means supporting said object for shifting movements in a plane parallel to the plane of said reference system and bearing a drawing mounted in a plane parallel to the plane of said reference system, mechanism operative to produce oppositely directed bundles of light rays directed perpendicularly of the plane of said system, said mechanism being disposed to cause one of said bundles to impinge upon said object and the other of said bundles to impinge upon said drawing, a pair of fixedly supported viewing screens, an optical system to display on one of said viewing screens the image of said object at the point one of said bundles of rays impinges thereon and to display on the other of said viewing screens an image of said drawing at the point the other of said bundles of rays impinges thereon, said viewing screens each having fiducial marking corresponding to the points on the images due to fixed coincident light rays.

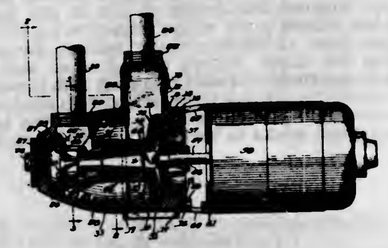


2,484,104
CARTRIDGE FEED DEVICE FOR AUTOMATIC FIREARMS
Hanns Lippert, Zurich, Switzerland, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland, a Swiss company
Application December 16, 1947, Serial No. 791,958
In Switzerland December 17, 1946
2 Claims. (Cl. 89—33)



1. Cartridge feed device for automatic firearms, comprising two linked chains, which are not connected to one another and of which one serves to support the noses of the cartridges, whereas the other serves to support the bases of the cartridges, a shaft, said chains being wound together with the cartridges held between said chains, on said shaft, a container carrying said shaft and comprising a lateral guide for the linked chains, said container having an exit formed therein, a forwarding device for the cartridges, and guiding means that guide the linked chains outwardly out of engagement with the noses of the projectiles and the bases of the cartridges, respectively, said forwarding device and said guiding means being located at said exit of the container, and means forming a feed channel arranged on the weapon and including a further cartridge feed device located beyond said exit of the container in such a manner that the cartridges, no longer guided by the linked chains, pass directly into the feed channel of the weapon.

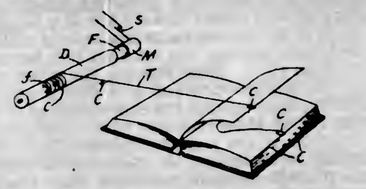
2,484,105
EJECTOR PUMP
Martin B. MacNeille and Raymond W. Frank, Dubuque, Iowa, assignors to A. Y. McDonald Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application November 13, 1945, Serial No. 628,177
5 Claims. (Cl. 103—5)



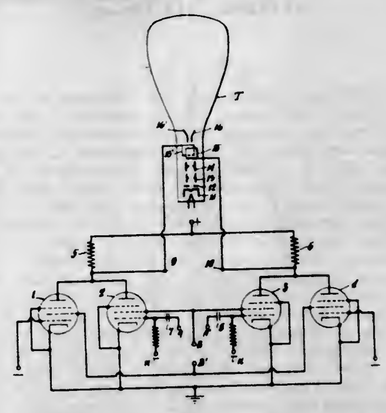
1. A horizontal pump comprising in combination a casing having a projecting portion with an inlet opening in one side thereof and an opening in the end of the said projecting portion and having an outlet opening, the said casing having an inner wall structure formed therewith generally circular in cross section and encompassing the inlet opening and outwardly flared at one of its ends whereby an impeller chamber is formed having a discharge opening into the chamber formed by the casing and having an opening therein in alignment with the opening in the end of the said projecting portion, a jet assembly comprising a tube, a threaded ring spaced from one end of said tube but connected thereto, a jet removably positioned in said ring having its discharge end terminating adjacent the intake end of the said tube, the inner end of the said tube being supported by the inner wall structure and the threaded ring also being in engagement with the inner wall structure, the jet providing a communicating passage from the chamber formed by the casing and the chamber formed by the inner wall structure, a plate removably secured to said casing forming a closure member for one side of the impeller chamber, a rotary impeller having a central intake opening therein in said impeller chamber, and a removable plug in the opening in the end of the projecting portion of the casings the said jet discharging into the said impeller through the said tube, the pump having a flow line from the impeller discharge to the jet nozzle and from the jet discharge to the impeller intake opening.

2,484,106
MECHANICAL PAGE TURNER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Aeronautical Research Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1946, Serial No. 661,031
20 Claims. (Cl. 40—104)

1. A mechanical page turner, comprising a support for a book, winding means rotatably mounted approximate one side of the support, a thread of substantial length having a multiplicity of clips fastened thereto at spaced intervals and adapted to be unimpededly pulled across the face of an open book on said support and wound on the winding means when rotated said clips being adapted to be sequentially attached to successive pages of the book for turning the pages in sequence as said thread is wound on said winding means, motive means for rotating said winding means, and means for starting and stopping said motive means.



2,484,107
OSCILLOGRAPH CIRCUIT TO MODULATE A SIGNAL
Meyer Maron, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application September 21, 1946, Serial No. 698,486
3 Claims. (Cl. 332—42)



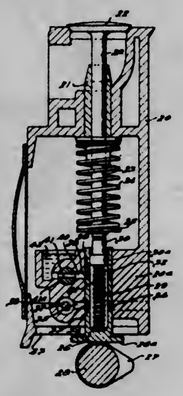
1. A device for modulating electrical signals which comprises a cathode-ray tube having a pair of deflecting plates, a pair of pentodes to the control grids of which said signals are applied in phase opposition, said grids being negatively biased, another pair of pentodes, means to apply one phase of a modulating signal to the screen grids of said first named pair of pentodes and the opposite phase of said modulating signal to the screen grids of said second named pair of pentodes, and means to connect the outputs of the respective pairs of said pentodes to opposite plates of said pairs of deflecting plates.

2,484,108
HIGH CLARITY CELLULOSE ESTERS
Mervin E. Martin, Laurence G. Reed, and James L. Thomas, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 17, 1946, Serial No. 641,868
1 Claim. (Cl. 260—230)

Process for the fractionation of cellulose acetate whereby color and haze-forming compon-

ents are removed therefrom, which comprises dissolving cellulose acetate in acetone to form a 5 to 20% solution by weight, adding ethyl alcohol to said solution while both the solution and the ethyl alcohol added thereto are at a temperature of 20 to 25° C. until a precipitate of cellulose acetate forms, heating the solution to a temperature of 35 to 45° C. to re-dissolve the precipitate, cooling the heated solution to a temperature of 30 to 40° C., maintaining the mixture at said temperature for 10 to 20 hours to effect precipitation of a fraction of the cellulose acetate in solution amounting to 10 to 20% of the original cellulose acetate present therein, removing said fraction, evaporating the solvent from the remaining cellulose acetate solution until a precipitate starts to form, adding an additional quantity of ethyl alcohol thereto at a temperature of 60 to 67° C. to effect precipitation of a purified fraction of said cellulose acetate amounting to 70 to 80% by weight of the original cellulose acetate present therein and separating said purified fraction from the supernatant liquid.

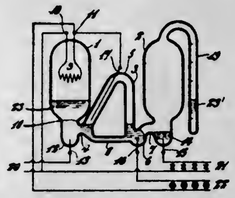
2,484,109
VALVE MECHANISM
Helmuth A. Meinecke, Grosse Pointe, Mich.
Application March 2, 1945, Serial No. 580,643
18 Claims. (Cl. 123—90)



18. In a hydraulic tappet mechanism for an engine valve, a housing, a reciprocable cam actuated tappet body in said housing, a plunger telescoped in said body and responsive to reciprocation of the body through the medium of a column of liquid within a chamber in said body, and a pair of conduits in said housing spaced apart in fixed relation in the direction of reciprocation of said tappet body for introducing liquid into said chamber and for discharging the same therefrom, the amount of liquid so introduced and discharged being controlled by the reciprocation of said tappet body to vary the effective height of said column of liquid and thereby vary the stroke of the plunger with relation to the stroke of the tappet body.

2,484,110
ELECTRIC TIMING RELAY
Ervin Mestits, Llandaff, Cardiff, Wales
Application July 18, 1945, Serial No. 605,787
2 Claims. (Cl. 175—320)

1. In a timing device, in combination a sealed vessel shaped to form two communicating bulb elements each having an orifice in its lower section, a first communicating tube connecting said two bulbs through the respective orifices, said tube including a narrowed section controlling the time delay constant of the device, the lower outline portions of said orifices each forming a dam elevated relative to the bulb bottoms and the tube bottom, a second communicating tube forming approximately an inverted V and having a wider cross-section than the first tube, each leg of said V-shaped tube communicating respectively with the first tube at a point thereof each point adjacent to one of the orifices, said first tube including in its bottom a cup shaped portion positioned between the orifice of one of the bulbs and the joining point of the respective leg of the second tube, an electric heater resistor disposed within the upper portion of the other bulb, a lead-in electrode extended into each bulb through the respective bottoms thereof, a lead-in electrode extended into said cup portion through the bottom thereof, a lead-in electrode extended into the

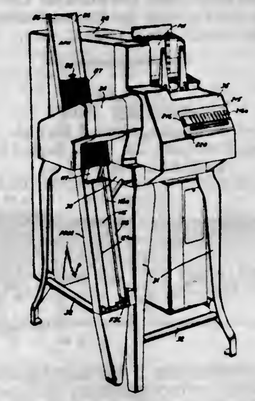


leg of the second tube adjacent to the bulb having the resistor element therein, said latter electrode having its lower end at a level higher than the level of the uppermost outline portion of the orifice of the bulb containing the resistor element, and a quantity of a heat expandible gas and of an electrically conducting liquid contained in said sealed vessel, the quantities and distribution of said gas and liquid within the bulbs being so selected in relation to the total volume of the vessel that below a predetermined gas temperature the level of the liquid is below the elevated dam of the bulb adjacent to said cup portion, thereby separating the supply of liquid in the two bulbs, and the electrode end in said tube leg is above the said liquid level, and that at a gas temperature above said predetermined temperature in response to a heating of the gas by said resistor element, the liquid levels in the first tube and in the said leg rise to cover the said dam and said leg electrode end for establishing electric connections between the electrodes in the two bulb bottoms and said leg.

2,484,111
RECORD PERFORATING MACHINE
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 17, 1945, Serial No. 610,894
16 Claims. (Cl. 164—115)

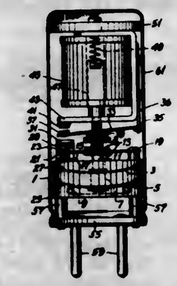
1. In combination, record perforating mechanism for perforating code designations representing data, means to feed record cards to said mechanism; means to feed a succession of addressing plates, each plate bearing data designating elements which by their individual configurations represent different digits or characters, a plate analyzing station having contact means selectively operated by engagement with said ele-

ments, and a system of relays controlled by said contacts for controlling said perforating mecha-



nism to punch said cards to correspond with the data represented by said elements.

2,484,112
TIME-DELAY CIRCUIT CONTROLLER
John O. Moorhead, Attleboro, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application September 29, 1944, Serial No. 556,349
4 Claims. (Cl. 200—88)



1. A time-delay circuit controller for closing a first circuit a substantially predetermined time interval after the closing of a second circuit, comprising a relay-controlled switch having terminals for connection into the first circuit, the relay of said switch being connected in a relay circuit, a thermostat, a heater positioned to heat the thermostat and connected in a heater circuit, a double-throw switch having one of its poles connected in series with the relay in the relay circuit and its other pole connected in series with the heater in the heater circuit, said double-throw switch having a contactor movable between a first position wherein it closes the heater circuit and opens the relay circuit and a second position wherein it closes the relay circuit and opens the heater circuit, said relay and heater circuits having terminals for connection into said second circuit so that they may be energized thereby, said thermostat being positioned to engage the contactor of the double-throw switch and move it from its said first to its said second position upon being heated by the heater, said contactor being normally biased to its said second position, and an operating member controlled by the relay and movable in response to deenergization of the relay to a position wherein it engages the contactor and holds the latter in its said first position against its bias.

2,484,113
COUNTER MECHANISM
Harold J. Mumma, Los Angeles, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application July 2, 1945, Serial No. 602,745
11 Claims. (Cl. 235—91)

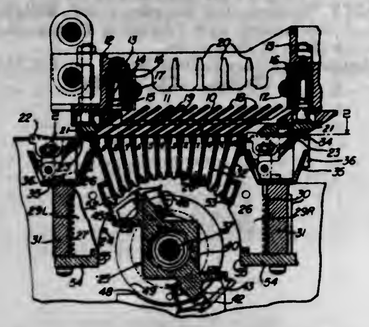


1. In a counter for converting non-decimal units to a decimal count, means for supplying decimal increments to the counter, an element operable in response to said non-decimal units, and an escapement mechanism for driving said supplying means from said element; said escapement mechanism including an endless series of escapement teeth, an escapement member movable from tooth to tooth of said escapement teeth, and resilient means for driving said member from said element, said element including means for tripping said escapement member, the extent of movement of said element being slightly greater than the spacing of said teeth to effect gradual tensioning of said resilient means and to cause said tripping means to advance with respect to said escapement member and to periodically disengage said member from said teeth and effect a plural tooth escapement thereof during one step of movement of said element.

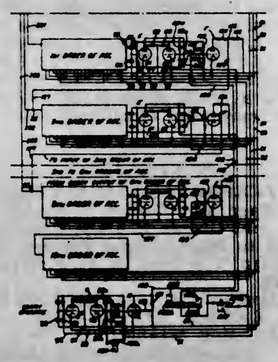
2,484,114
RECORD PERFORATION ANALYZING MEANS
Ralph E. Page and Horace S. Beattie, Poughkeepsie, and George F. Daly, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 16, 1946, Serial No. 684,076
6 Claims. (Cl. 235—61.6)

4. An analyzing arrangement for a machine controlled by a perforated record having a plurality of columns, each column having a certain width and bearing a plurality of index point positions comprising, a commutator unit having a thickness commensurate with the width of a record column carrying a row of contact elements which are exposed at both ends for engagement, a support plate having a thickness equivalent to the width of a record column carrying a row of analyzing elements corresponding in number to said contact elements for simultaneously analyzing said index point positions and directly engaging one exposed end of said

contact elements through the record perforations, a wiper for each record column, means for rotating said wiper to contact the other exposed ends of said contact elements in succession for transmitting at differential times impulses through said wiper, contact element, and related analyzing element upon engagement of a contact element commonly engaged by said wiper and a related analyzing element, and means for mounting to coordinate within the width of each record column said support plate, a commutator unit and related wiper in a coplanar arrangement and with the analyzing elements and commutator contact elements in operative association with the record column analyzed thereby.

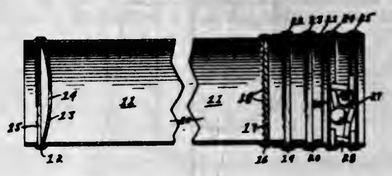


2,484,115
CARRY DEVICE
Ralph L. Palmer, Dayton, Ohio, and Byron E. Phelps, Chatham, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 27, 1944, Serial No. 569,992. Divided and this application November 27, 1945, Serial No. 631,056
6 Claims. (Cl. 235—133)



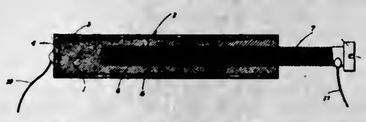
6. A carry device for transmitting units from a lower order of an accumulator to the next higher order wherein entry is made into an order by a voltage pulse comprising a triode having an anode, a cathode, and one control grid; electronic trigger means operated by the lower order of the accumulator, means to bias said one grid of the said triode normally below cut-off, means controlled by said trigger means to raise the potential of said one grid to a value just below cut-off; a second electronic trigger comprising carry operating means including means to raise further the potential of the said grid to a value above cut-off, and a resistor network in the anode circuit of the said triode for transmitting a voltage pulse to the said higher order.

2,484,116
OCULAR TOY
Herbert A. Papke, Grand Rapids, Mich.
Application February 23, 1946, Serial No. 649,493
4 Claims. (Cl. 46—1)



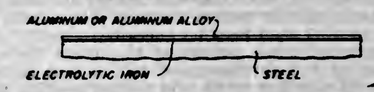
1. A toy comprising a tubular cylindrical body having a light reflecting inner surface, a transverse apertured disc disposed adjacent one end thereof, a pair of spaced transverse transparent discs disposed adjacent the other end thereof, a transverse translucent disc disposed intermediate the length of the body, and a plurality of varicolored glass pieces disposed between the pair of spaced discs.

2,484,117
VARIABLE RESISTOR
Viron E. Payne, Mather Field, Calif.
Application September 13, 1948, Serial No. 49,104
1 Claim. (Cl. 201—58)



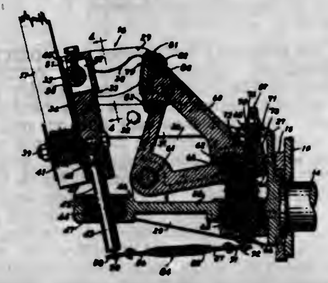
A variable resistor for electronic circuits or the like comprising an elongated body of resistance material provided with a central longitudinal threaded bore for the major portion of its length, a metallic sheath fixed about the outer surface of the body, such sheath being of a length substantially equal the length of the bore, an elongated metallic screw threaded into the threaded bore of the body for selective movement longitudinally of said body, the threads on the screw extending for the full length thereof so that such screw will be in full threaded contact with the body in any adjusted position therein, a terminal element connected with the sheath at the end thereof adjacent the inner end of the bore, and a terminal element connected with the outer end of the screw.

2,484,118
METHOD OF BONDING ALUMINUM TO STEEL
Richard S. Reynolds, Richmond, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application September 22, 1944, Serial No. 555,397
2 Claims. (Cl. 29—189)



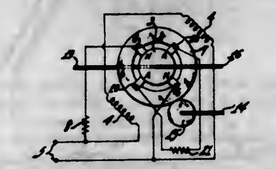
1. A method of continuously cladding steel strip with aluminum, which consists in feeding steel strip through an electrolytic iron plating bath and depositing relatively pure electrolytic iron thereon, continuing the movement of the strip through drying and heating zones, wherein the strip is raised to a temperature of from 800° to 900° F., and bringing aluminum in web form into face association with the steel strip followed by the step of hot rolling under reduction pressure and below the fusing temperature of aluminum.

2,484,119
PARALLEL MOTION AND PICKER STICK SNUBBER
John Rinne, Brooklyn, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application April 21, 1948, Serial No. 22,473
18 Claims. (Cl. 139—149)



11. In a loom, a parallel motion for a picker stick comprising a pair of spaced guide members, and a guide follower adapted to be connected to the lower end of the picker stick and having follower engagement with said guide members, and a snubber for said picker stick comprising a spring-loaded bumper between said guide members in the path of overthrow movement of said guide follower.

2,484,120
ELECTRICAL FOLLOW-UP MOTOR CONTROL APPARATUS
Edward Howard Robinson, Hillingdon, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application September 11, 1946, Serial No. 696,133
In Great Britain August 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 8, 1964
3 Claims. (Cl. 318—32)



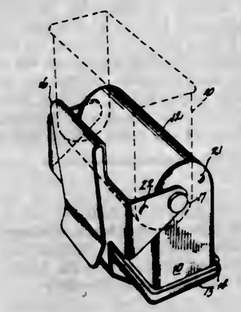
1. In an electrical control apparatus comprising a D. C. motor having a commutator and a pair of brushes mounted for rotation about said commutator, input means for causing angular displacement of said brushes from a neutral position to cause rotation of said armature, and coupling means between said armature and said brushes for returning said brushes to said neutral position to thereby stop the rotation of said armature, two auxiliary brushes mounted for angular rotation with said first-mentioned pair of brushes, and angularly displaced therefrom, and means interconnecting said auxiliary brushes, whereby rotation of said armature produces a current in the armature windings which causes a torque opposing rotation of said armature.

2,484,121
ICE CUBE TRAY
Jean Alfred Felix Roché, Norwood, Ohio
Application January 4, 1947, Serial No. 720,254
10 Claims. (Cl. 62—108.5)



2. An ice cube tray grid structure comprising a longitudinal grid element; a plurality of transverse grid members mounted on said element, said members having central openings separating the upper portions thereof into substantially similar parts connected at their lower edges; means coacting with the corresponding similar parts to move them in one direction; and means coacting with the other corresponding similar parts to move them in another direction to distort said parts in opposite directions to release the ice cubes.

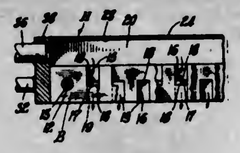
2,484,122
BAIT RECEPTACLE
Howard S. Ross, Beverly Hills, Calif.
Application August 24, 1945, Serial No. 612,406
3 Claims. (Cl. 43—55)



1. A bait receptacle of the type described comprising: a clip adapted to be attached to the clothing of an angler; a pair of ears carried by said clip at opposite margins thereof; a container open at one end and including a cover for closing said open end; means for pivotally mounting said container between said ears; means carried by said clip cooperative with means carried by said container for holding said container in a position in which said open end is uppermost; and means carried by said clip, separate from said last named means, adapted to engage said cover when said container is moved to a position in which said open end is lowermost for holding

said cover in closed position and said container against accidental movement relative to said clip.

2,484,123
LAMINATED BLOWPIPE HEAD
Egon B. Scherl, New York, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application January 29, 1948, Serial No. 4,989
6 Claims. (Cl. 158—27.4)



2. A laminated structure comprising, in combination, a stack of metal laminations, a pair of adjacent laminations having serrated edges disposed in opposed relation with each other so that the serrations are in communication, forming fluid passages, another pair of adjacent laminations having longitudinal slots at least portions of which communicate with each other, forming conduits; means securing said laminations together in gas-tight relation, one fluid supply means connected to said fluid passages; and another fluid supply means connected to said conduits.

2,484,124
MIXED LONG CHAIN CELLULOSE ESTERS
George W. Seymour, Blanche B. White, and Thomas G. Davis, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 3, 1945, Serial No. 591,826
5 Claims. (Cl. 260—225)

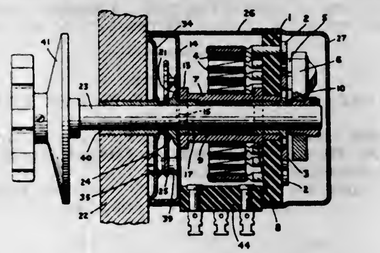
1. Process for the production of cellulose acetate-laurate, which comprises destabilizing a partially hydrolyzed cellulose acetate of an acetyl value of 42 to 47%, calculated as acetic acid, by washing with distilled water at 80 to 100° C., dissolving the destabilized, partially hydrolyzed cellulose acetate in pyridine, adding lauroyl chloride to the solution obtained and maintaining the reaction mixture at an esterifying temperature.

2,484,125
ELASTIC FABRIC
André Silvain, Roubaix, France
Application March 15, 1946, Serial No. 654,766
In France September 25, 1943
1 Claim. (Cl. 28—80)



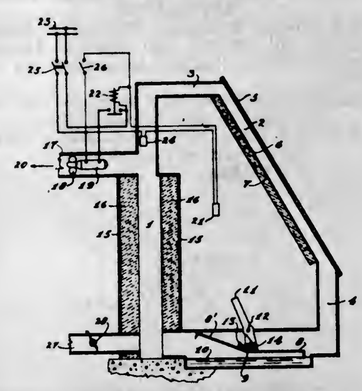
An elastic fabric formed at least partially of covered elastic threads, comprising an elastic core, at least one coating of a rubber-like product covered with dressing threads and an outer layer of unvulcanised rubber-like product, and subsequently vulcanized, the threads forming said fabric adhering together by said unvulcanized outer layers and being bonded together by the subsequent vulcanization, whereby the finished product constitutes a homogeneous elastic system.

2,484,126
ATTENUATOR ASSEMBLY
John P. Smith, Jr., Verona, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application May 4, 1948, Serial No. 24,999
14 Claims. (Cl. 200—11)



6. In an electrical instrument, a contact carrying head, an operating shaft, a connecting sleeve surrounding said shaft, an annular flange formed on said connecting sleeve, a bearing for said shaft threaded into one end of said connecting sleeve and engaging said contact carrying head to force it into engagement with said sleeve carried flange, a closure plate, a second bearing for said shaft extending into said connecting sleeve and engaging said closure plate, said closure plate having cut-outs therein, said second bearing having portions thereof struck into said cut-outs to lock said second bearing and closure plate against relative movement, said connection sleeve provided with notch openings therein, and tongues struck from said closure plate and engaging in said notch openings for holding said sleeve and closure plate against relative movement.

2,484,127
HEAT EXCHANGE SYSTEM
William Stelzer, Summit, N. J.
Application October 30, 1944, Serial No. 561,076
3 Claims. (Cl. 257—3)



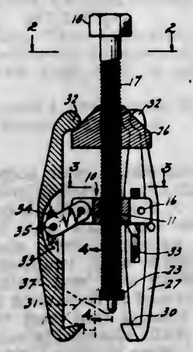
1. In a system for utilizing the heat rays from the sun for heating or cooling a building, means providing a chamber having an internal blackened surface arranged to be exposed to the heat rays of the sun during the daytime for heating air and to space at night for the purpose of cooling air, said surface being of a material of low specific heat so as to be capable of storing only

the smallest amount of heat energy, heat insulating means surrounding said chamber, said heat insulating means being transparent where the solar heat rays pass to said blackened surface, a heat accumulator, loosely piled refractory in said accumulator to store heat and to enable the passage of air therethrough, said accumulator being positioned sufficiently high with relation to said chamber to induce a thermosyphonic circulation, means providing air passages between the lowermost portions of said chamber and accumulator, means providing air passages between the uppermost portions to complete a closed circuit for thermosyphonic air circulation, the air in said chamber, accumulator, and air passages, serving as a medium to transfer heat between said chamber and accumulator, the air as a medium to transfer heat being in direct contact with said blackened surface, a check valve in one of said air passages to check the flow of air in one direction to prevent the reversal of the desired thermosyphonic flow, manually operable means for the reversal of said check valve to change the system for the purpose of cooling or heating, and means for controllably communicating the heat of said accumulator with the interior of a building.

2,484,128
THIAMIN-PROCAINE ANESTHETIC
Elias L. Stern, San Diego, Calif.
No Drawing. Application July 10, 1947, Serial No. 760,127
2 Claims. (Cl. 167—52)

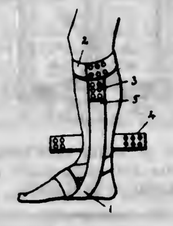
1. An anesthetic solution comprising procaine hydrochloride and thiamin chloride.

2,484,129
GEAR PULLER
Louis W. Taylor, Oakland, Calif.
Application November 26, 1946, Serial No. 712,270
1 Claim. (Cl. 29—261)



A gear puller including a jack screw, a spider threaded on said jack screw, a plurality of elongated gripping fingers, a link for each finger, means pivoting one end of each link to its finger at a point centrally of the length of its finger, means pivoting the other end of each link to the spider, a gripping finger spreader threaded on said screw above said spider for manual adjustment on said screw and having its top surface conically formed; each of said gripping fingers having an inwardly projecting rounded portion to cooperate with said conical surface; said spreader initially functioning as spreading means to cause the other ends of the gripping fingers to grip an object, and finally as anchoring means for the upper ends of the fingers when the object is gripped, and a head formed on said jack screw for operation by a wrench or the like.

2,484,130
ARCH, ANKLE, AND LEG BANDAGE
Frank J. Thibault, Rochester, N. Y.
Application April 7, 1947, Serial No. 739,829
3 Claims. (Cl. 128—166.5)



3. In an arch, ankle and leg bandage the combination of a long web, a cross web fastened at the upper end of said long web and adapted to be fastened around the leg above the calf, the long web being adapted to extend down along the leg on one side thereof and under the foot and up over the instep and around the ankle above the heel and across over the instep and down under the foot and then around the foot and up along the other side of the leg, means for attaching the lower end of the long web when so extended upwardly to the said cross web on the said opposite side of the leg, and means attached to the long web and adapted to be placed around the leg at or near the ankle to hold the long web close to both sides of the leg.

2,484,131
IGNITION COMPOSITION
William D. Trevorrow, Hometown, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1946, Serial No. 710,939
7 Claims. (Cl. 52—4)

1. A composition of matter comprising nitrostarch, a volatile solvent therefor, an anti-gelling agent comprising a monohydric alcohol containing less than 6 carbon atoms, and an ignition compound selected from a group consisting of lead styphnate, monobasic lead 4:6 dinitro-orthocresylate, monobasic lead picramate, monobasic lead 3:5 dinitro-benzoate, lead nitrato-bis-basic-lead 4:6 dinitro-ortho-cresylate, normal lead 2 nitro-resorcinate and monobasic lead 2 nitro-resorcinate, said anti-gelling agent being contained in an amount sufficient to prevent gelling of the composition but not in excess of about 20% by volume of the composition exclusive of ignition compound.

2,484,132
SURGICAL INSTRUMENT
John J. Turner, Detroit, Mich.
Application June 7, 1946, Serial No. 675,015
4 Claims. (Cl. 128—346)

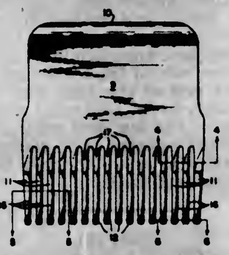
1. A device of the class described comprising: a base having a central opening formed therethrough; a rod having a peripheral bead formed adjacent one end, said end being insertable into said opening, and said bead being larger than said opening for clamping an object against the edges

of said opening; a threaded pressure exerting mechanism for, upon being threaded in one direction, exerting pressure on said rod longitudi-



nally thereof for pressing said bead towards said base; and means for swingably mounting said pressure mechanism on said base.

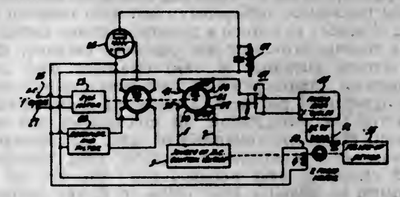
2,484,133
HAIR DYEING COMB
Harrison M. Von Duyke, Wilmington, Del.
Application May 19, 1948, Serial No. 27,959
5 Claims. (Cl. 132—13)



4. A hair dyeing comb comprising a pair of side plates each having a plurality of depending tines, the lower ends of the side portions of each of said tines being integrally joined to each other, the side portions of each tine above the end portion being curved in transverse section to provide an internal chamber adapted to receive and hold a portion of the dye, the side edges of said curved portions being slightly separated in the operative condition of the comb to permit portions of the dye to be exuded therethrough when the comb is manipulated through the hair, and the side plates and the upper portions of the tines being sprung apart when released thereby to facilitate the taking up of the dye liquor from the supply thereof.

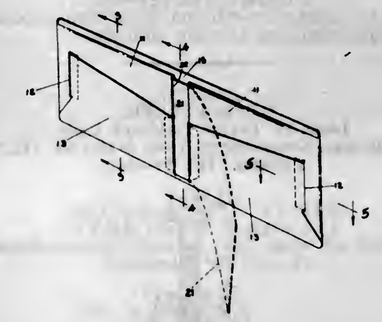
2,484,134
ELECTRIC MOTOR FOLLOW-UP CONTROL SYSTEM
Sidney Wald, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 1, 1947, Serial No. 758,453
6 Claims. (Cl. 318—28)

1. In a control system, the combination of a source of D. C. control voltage whose polarity and amplitude correspond, respectively, to the sense and degree of a controlling condition; a source of alternating current, switching means for cyclically reversing the polarity of said control voltage to produce a square wave voltage whose frequency is equal to the frequency of said alternating current; and which may have a desired phase with respect thereto, or a phase displaced 180° from said desired phase; a two-phase motor energized by said alternating current and by a current under the control of said square wave voltage, the direction of rotation of said motor being determined by the phase of said square



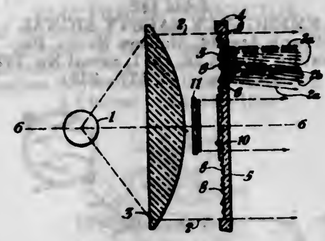
wave voltage; and monitor means responsive to deviation of the phase of said square wave voltage from said desired phase to reverse the phase of said square wave voltage, whereby the direction of rotation of said motor is determined by said D. C. control voltage.

2,484,135
STITCHLESS BILLFOLD
John P. Wege, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application November 29, 1944, Serial No. 565,681
1 Claim. (Cl. 150—38)



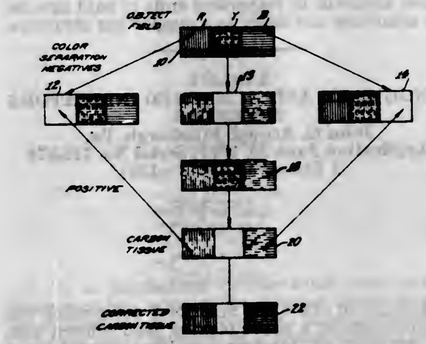
A billfold comprising a main body portion having a longitudinally extending wall adapted to form the back of the billfold, integral end walls projecting from said back wall on either end thereof, short walls projecting along the lower edge of said back wall, longitudinally spaced pockets formed by said end walls, a marginal finishing flap formed integral with and extending along the top edge of said back wall, a central wall, inner end walls attached to said integral end walls along the upper marginal edge of the same, a tab on said central wall for attaching it at one end to one of said inner end walls, one end of said central wall being free to be inserted and removed from the adjacent one of said longitudinally spaced pockets formed at the ends of the billfold, said integral end walls each having a transverse slot formed therein, tongues formed on said short walls adapted to be inserted in said slots, the end of each of said tongues being adapted to be attached to one of said inner end walls to lock the tongues in place, and central inner flaps formed on said short walls adapted to engage and be secured to the inner free ends of said integral end walls thereby locking the folded portions of said billfold together.

2,484,136
COVER GLASS FOR LIGHT SIGNALS
Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 30, 1947, Serial No. 777,066
5 Claims. (Cl. 177—329)



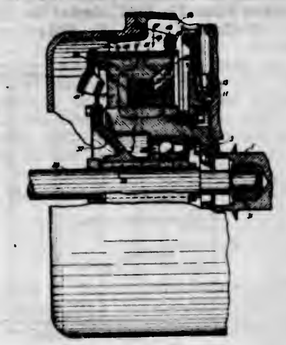
1. A cover glass adapted to be interposed in a beam of parallel rays of light and provided with prisms for refracting certain ones of the light rays laterally in one direction through a predetermined angle of spread in such manner that the intensity of the light rays will decrease progressively as the angle of refraction increases and with other prisms for refracting other ones of the light rays laterally in said one direction through a further angle of spread beginning with the maximum angle of spread provided by said first mentioned prisms in such manner that the intensity of the light rays will decrease progressively as the angle of refraction increases, said other prisms also serving to refract light rays downwardly through a predetermined angle of spread.

2,484,137
PHOTOGRAPHIC COLOR CORRECTION METHOD
Theodore Wheldon, West Englewood, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y., a corporation of New York
Application August 4, 1945, Serial No. 608,925
3 Claims. (Cl. 95—2)



1. The method of preparing printing surfaces for printing a subject matter in colors, comprising preparing a set of color separation negatives, at least one of which is deficient in that it is only partially exposed in regions corresponding to a color other than the color for which it is a color separation negative, preparing a set of color separation positives, at least one of which bears said deficiencies as they are transmitted by normal photographic operations, exposing the positives on separate carbon tissues by normal photographic operations whereby the deficiencies of the respective color separation negatives are repeated in the carbon tissues, exposing upon the unfixed carbon tissue for one color the color separation negative of another color corresponding to a color rendering deficient the color separation negative for said one color, whereby exposure on the unfixed carbon tissue completes the exposure necessary to correct on the carbon tissue the deficiencies due to the partial exposure of said carbon tissue in the regions corresponding to said other color, and preparing a printing surface from the corrected carbon tissue.

2,484,138
DYNAMOELECTRIC MACHINE
Martin P. Winther, Waukegan, Ill., assignor to himself as trustee
Application May 21, 1948, Serial No. 28,453
3 Claims. (Cl. 172—284)

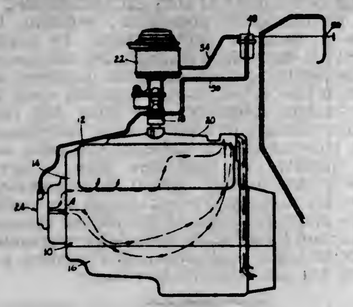


1. Dynamoelectric apparatus of the class described, comprising relatively rotary field and inductor members, the inductor member comprising an aluminum casting surrounding the field member and formed as a cup having a bottom, cylindric sides and an open end, a flanged inductor cylinder forming an insert in said cup-shaped casting and having its inner surface separated from the field member by a magnetic gap, the flange of said inductor being surrounded by cast aluminum at the open end of the cup, said cup-shaped casting including air inlet openings in its bottom and L-shaped air passages on its outside, the inlets of said last-named passages being axial and the outlets radial.

2,484,139
VACUUM SYSTEM FOR WINDSHIELD WIPERS AND CRANKCASE VENTILATORS
Eugene S. Witchger, Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 10, 1946, Serial No. 668,970
4 Claims. (Cl. 60—60)

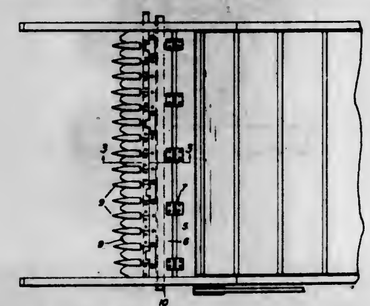
2. In an internal combustion engine, a pump driven from an output shaft of the engine, a windshield wiper motor connected to the intake side of the pump, an air filter for the engine, control means associated with the wiper motor for controlling communication of the motor and

filter with the pump permitting of a continuous air delivery from the pump, and means associ-



ated with the discharge of the pump providing for venting the engine crank case.

2,484,140
AUTOMATICALLY ADJUSTABLE SICKLE BAR
Truman O. Woodin, Laurens, Iowa
Application June 13, 1947, Serial No. 754,329
2 Claims. (Cl. 56—303)



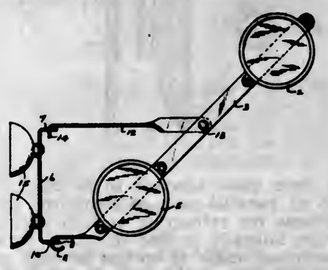
1. An automatically adjustable support for the sickle of a combine and comprising a ground skid attached to the underside of a sickle bar to support the sickle at all times at a uniform cutting height above the ground, said ground skid embodying a transverse board positioned edgewise on the ground.

2,484,141
SKIN STRESSED LAMINATED FIBERGLAS ROTOR BLADE
Ralph Paul Alex, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 9, 1947, Serial No. 720,975
4 Claims. (Cl. 170—159)



1. In a rotor blade, a core of generally airfoil shape formed of low density material, said core having spanwise shoulders on its upper and lower faces dividing said core into leading and trailing sections, a cover of laminated material of higher density wound in a fore and aft direction about said core, and adhesive means penetrating said laminated material for bonding the laminations thereof together and to said core, said cover including a piece of material which begins at the shoulder on one of said blade faces and extends entirely around the core and again over said leading section to terminate at the other shoulder.

2,484,142
EMERGENCY SAFETY SIGNAL
Frank Arnold, McKees Rocks, Pa.
Application March 28, 1947, Serial No. 737,852
1 Claim. (Cl. 177—329)



A safety signal of the class described, comprising the combination of a vertically disposed supporting bracket, a horizontally extending attaching lug formed at each end of said bracket and projecting outwardly from the latter, each of said lugs being provided with an oblong transversely extending slot, a connecting member, a flat inwardly disposed hook formed at the lower end of said member and being detachably engaged in the oblong slot in the lower of said lugs, a pair of luminous signalling elements disposed back to back secured at each end of said member on respective sides of the latter, a holding arm having its outer end pivotally connected with said member intermediate said pairs of elements, a flat attaching lip depending from the free inner end of said arm and being detachably engaged in the oblong slot in the upper of said lugs, said arm holding said member outwardly at an angle from the vertical to position the upper pair of said elements outwardly at an angle from the vertical with respect to the lower pair of said elements, and a pair of suction cups secured adjacent to respective ends of said bracket for attaching the latter to a supporting structure.

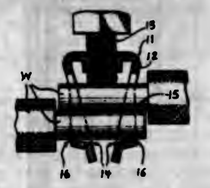
2,484,143
BINGO CARD AND NUMBERED INDICATORS THEREFOR
John G. Arnold, Pittsburgh, Pa.
Application June 20, 1947, Serial No. 755,876
1 Claim. (Cl. 273—135)



A game of the class described, comprising the combination of a paper playing card printed with a plurality of intersecting lines providing a squared arrangement of twenty-five uniform square areas, each of said areas having printed thereon a different numerical designation, the numerical designation zero being shown in the centrally disposed area of said card, and a playing square separable by intersecting easy-tear lines into twenty-five uniform sections, each of

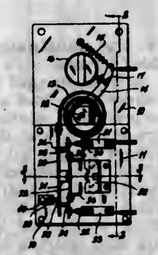
said sections having printed thereon a different numerical designation, the numerical designation zero being shown on one of said sections, said sections adapted to be placed on respective card areas bearing the identical numerical designations to fill an aligned row of said areas.

2,484,144
ELECTRICAL CONNECTOR
Carroll A. Badeau, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application September 17, 1947, Serial No. 774,565
4 Claims. (Cl. 24—125)



1. An electrical connector comprising a body including a head integrally formed with two spaced arms, each arm being provided at its outer free end with an aperture, the two apertures being axially aligned and thereby forming two spaced seats which are adapted to receive and support electrical conductors disposed one upon and in engagement with the other, a clamping screw operatively mounted in the head and being adapted to apply pressure against and perpendicular to the conductors midway of the two axially-aligned spaced seats, and the outer free ends of the arms converging toward the longitudinal axis of the screw, with the two seats spaced apart a distance less than the diameter of the clamping screw.

2,484,145
THERMOSTATIC SWITCH
James B. Bader, Webster Groves, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application May 11, 1945, Serial No. 593,134
13 Claims. (Cl. 200—139)



1. In a mechanism of the kind described, a blade member, a magnetic member, power means for moving one of said members toward and away from the other member in a predetermined path, a pair of control elements mounted on the blade, for individual movement thereon, each including parts of magnetic material adapted to be individually attracted by the magnet as the two members approach each other, said magnetic parts being disposed on the blade so as to be moved by the magnetic field at separate points in the approach of the blade and magnetic members together, and means for adjusting the disposition of one of the magnetic parts on the blade member to adjust the points in approach of the blade and magnetic members at which one control element will be attracted to the magnetic member, relative to the point at which the other control element will be so moved.

2,484,146
LUBRICATING COMPOSITION
Sidney J. Barber, Philadelphia, and James T. Eaton, Hatboro, Pa., assignors to E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 7, 1945, Serial No. 587,208
13 Claims. (Cl. 252—49.9)

1. A single phase lubricating composition consisting essentially of a lubricant selected from the group consisting of mineral oil, a mixture of mineral oil and not more than about 50% of saponifiable oil based on the mineral oil and a mixture of mineral oil and not more than about 35% of a metal soap jelling agent, and from about 2% to about 25% of a phosphoric acid salt, soluble in said mineral oil, of a condensation product of one mol of an amine, selected from the group consisting of polyalkyleneamines having from three to five amino groups, alkylol amines having from two to three hydroxyl groups and alkylolpolyamines having from two to three amino groups, the alkylene and alkylol units having two to four carbon atoms, with two mols of a higher fatty acid selected from the group consisting of the acids whose formulae are represented by $C_nH_{2n+1}COOH$ wherein n is at least 11, oleic, linoleic and ricinoleic acids.

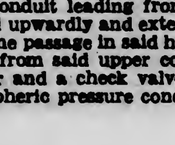
2,484,147
STOCK PROD
George H. Bartel, Minneapolis, Minn.
Application May 26, 1948, Serial No. 29,227
8 Claims. (Cl. 231—2)



2. A stock prod having a barrel with points at one end and containing batteries and a transformer for developing a shocking potential across the points, the opposite end of the barrel being open for receiving the batteries and having a bayonet slot, a removable handle and control switch assembly having a sleeve loosely mounted in the open end of the barrel, a coil spring attached to the sleeve to slidably fit into the barrel against the batteries therein and to yieldably urge the handle outwardly from the barrel, electrical in-

sulating means between the spring and batteries, a radially projecting, spring urged pin in the sleeve adapted to releasably enter the slot in the barrel and hold the handle to the barrel, the said slot having a portion permitting endwise movement of the pin and of the sleeve toward the batteries, and a contact point carried by the sleeve for engaging the batteries to close a circuit to the said transformer when the sleeve is moved toward the batteries.

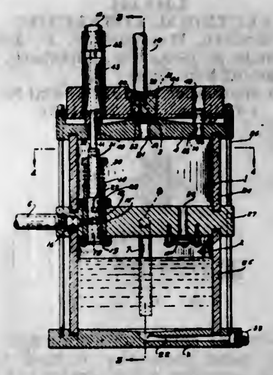
2,484,148
CONDIMENT HOLDER
Horatio E. Beatty, Elberfeld, and Thomas W. Mullen, Evansville, Ind.; said Mullen assignor to said Beatty
Application April 3, 1946, Serial No. 659,374
1 Claim. (Cl. 65—57)



A condiment holder comprising a container having its upper end open, a head removably carried by the upper end of said container and a top wall formed with an opening and with lugs spaced from each other circumferentially of the said opening and extending inwardly thereof, a closure having a body formed with a solid bottom normally resting flat against the top wall of said head to close the opening therein, and an annular skirt extending downwardly from the body and fitting snugly in the opening and being slidable longitudinally through the said opening, said skirt being formed with longitudinally extending slots spaced from each other circumferentially of the skirt, said lugs fitting into said slots and serving to limit outward longitudinal movement of the skirt through the opening and constituting members for removing clogged material lodged in the slots.

2,484,149
CLEANSING DEVICE FOR BALL BEARING ASSEMBLIES
Samuel Bousky, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application March 4, 1943, Serial No. 477,973
5 Claims. (Cl. 134—95)

5. In a device for cleansing ball bearing assemblies, a casing comprising an upper compartment and a lower compartment, said upper compartment having an aperture in its top plate leading to the exterior and recessed about said aperture to provide a retaining seat for a ball bearing assembly, a head piece removably attached to said top plate and carrying a block for pressing said bearing assembly in place, said block having an angular jet disposed tangentially with respect to the bearing assembly and a passage in said head piece leading from the jet to the exterior, said lower compartment being adapted to be partially filled with cleansing fluid as a reservoir therefor, a conduit leading from a point below the fluid level upwardly and exteriorly of the casing to fit in the passage in said head piece, a fluid drain outlet from said upper compartment into said reservoir and a check valve normally open under atmospheric pressure conditions to permit such drain, a source of air pressure communicating with said lower compartment for closing said check valve and putting a head of pressure on the oil to force the same through the conduit to said jet to rotate said ball bearings by oil pressure while cleaning the same as said oil drains into said upper compartment, and valve means for opening and closing said source of pressure air



to said reservoir, and valve means in the form of a plunger normally spring operated to close said source of pressure air to said reservoir and manually operable to open the same and close said check valve and automatically spring operated upon manual release to close the source of air pressure and permit the check valve to open.

2,484,150
WORK-EXPELLING DEVICE FOR TUBULAR SAWS
Robert Lee Brown, Chesapeake, W. Va.
Application December 10, 1946, Serial No. 715,276
1 Claim. (Cl. 143—85)

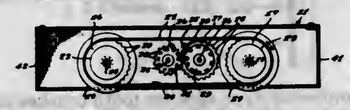


In a tubular saw, the combination of a rotatable saw blade holder formed with an axial bore, a stem removably secured in said bore and projecting outwardly therefrom, and a work cut-out expelling unit comprising a stationary tubular jacket having inturned flanges at the ends thereof, an expelling plunger having an enlarged head slidable in said jacket and engageable with one flange thereof, an anti-friction bearing positioned in said jacket against the remaining flange, and a compression spring positioned in said jacket and bearing against said bearing and said head, said bearing being mounted on the projecting portion of said stem, whereby said expelling unit may be non-rotatably supported by said holder.

2,484,151
DISTANCE MEASURING DEVICE
Robert F. Brownell, Theresa, N. Y.
Application March 12, 1948, Serial No. 14,417
1 Claim. (Cl. 33—141)

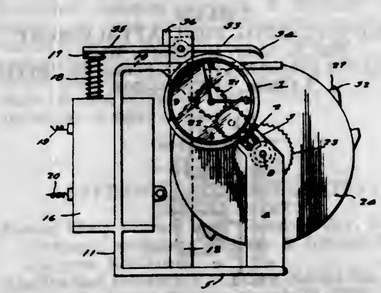
In a measuring device, comprising a housing with side walls, a slotted bottom, and a top having

an opening forming a viewing window, the improvement which includes two toothed drums spaced apart and journaled in the side walls of the housing, a pair of traction wheels fixed on the ends of each drum and projecting down through the slotted bottom of the housing to engage frictionally upon the surface to be measured and support said housing, a reduced end upon each drum within one traction wheel thereon along one side of the housing, a calibrated endless belt looped over both drums between the traction wheels in a position to be viewed through said viewing window and having a series of



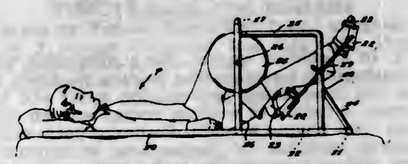
spaced openings within the edges thereof engaging with the teeth on said drums, a calibrated toothed wheel journaled in said side walls in said housing adjacent to the mentioned one side thereof between said drums and within the area surrounded by the endless belt with the periphery thereof adjacent to the inside of one portion of said endless belt, and an inwardly-projecting tooth fixed upon the inside of the latter belt at one side thereof in a position to clear the reduced ends of both drums and engage with the toothed wheel while moving past the same from one drum to the other in order to rotate said toothed wheel through a predetermined angle about its axis.

2,484,152
RADIO TIME SWITCH
David A. Bruton, Albemarle, N. C.
Application February 2, 1945, Serial No. 575,828
2 Claims. (Cl. 200—38)



2. A time switch, comprising a support, a rotatable drum mounted upon the support and including a periphery and closed end and having an open end, said periphery being graduated circumferentially in units of time, said periphery being provided with a plurality of sets of circumferentially extending slots, the slots in one set being staggered with the slots in the other set and overlapping therewith, the graduations being common to both sets of slots, a set of lugs for each set of slots, the lugs in each set being mounted upon the outer face of the periphery and wider than the slots to form shoulders engaging the periphery, inwardly extending radial shanks carried by the lugs and projecting through the slots to the interior of the drum, washer members arranged within the drum and mounted upon the shanks, winged nuts within the drum having screw threaded engagement with the shanks and engaging the washer members, a switch biased open arranged near the drum and mounted upon the support, a pivoted lever to operate the switch and having a wide end to span both sets of lugs to be engaged by both sets and moved thereby, the arrangement being such that access may be had to the thumb nuts through the open side of the drum.

2,484,153
EXERCISING DEVICE
Kirby J. Chaudoir, Sr., Alexandria, La.
Application May 6, 1947, Serial No. 746,350
3 Claims. (Cl. 272—73)



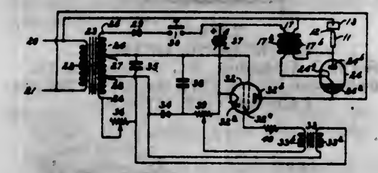
1. An exercising device comprising a frame including a pair of transversely spaced apart longitudinal base members for extension on opposite sides of a reclining patient, a transverse connecting bar between said base members at one end thereof, an upright member on each of said base members adjacent said one end, a shaft rotatable between said upright members, a pair of oppositely extending cranks on said shaft between said upright members with which the feet of the patient are adapted to be engaged, a shaft rotating crank on said shaft outwardly of one of said upright members, and means operable by the patient for engaging said latter crank for rotating said shaft and said foot engaging cranks.

2,484,154
ILLUMINATED FOUNTAIN PEN
John J. Devine, Middletown, Conn.
Application May 10, 1946, Serial No. 668,859
1 Claim. (Cl. 240—6.46)



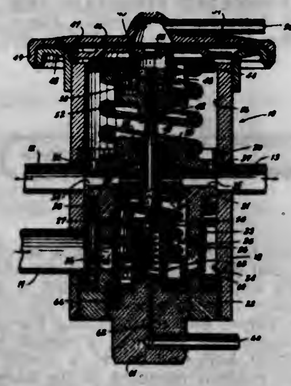
In an illuminated fountain pen, a barrel having a threaded end, the other end mounting an electric bulb adjacent the pen point, a battery within the barrel, a cap engaged on the threaded end of the barrel and maintaining the battery in a pre-determined position, a circuit including the battery, bulb and barrel, a spring forming a switch element mounted in the barrel and having a laterally disposed bight provided with a free end disposed centrally of the barrel for engaging and pressing upon a centrally disposed contact of the battery, a second switch element carried in the barrel and insulated therefrom positioned rearwardly of and in the path of movement of the bight of the first mentioned switch element, said second switch element being electrically connected to said bulb whereby a partial unthreading of said cap permits the spring to move the battery rearwardly to engage the first and second named switch elements.

2,484,155
ARC WELDING WITH CONTROLLED CURRENT PULSES
Lester D. Drugmand, Greenfield, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 27, 1948, Serial No. 17,455
9 Claims. (Cl. 315—237)



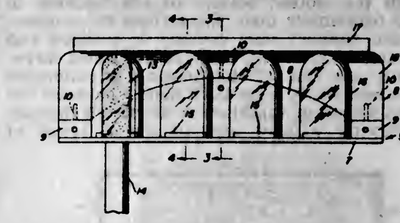
1. In a welding system, the combination with a work-piece, a cooperating welding electrode, an arc gap intervening between the latter and the former, a source of welding energy and an electron tube having a main discharge path and a control electrode, of connections to provide a first circuit including in series with each other said source, said main discharge path of said tube and said arc gap, and a second circuit for said control electrode, the cathode of said tube and said arc gap providing for ionization of said arc gap as a function of current flow between said control electrode and said cathode, and means to impress a pulse of ignition energy upon said last named circuit for initiating the flow of welding current through said first named circuit.

2,484,156
VALVE WITH DUAL CONTROL
John E. Dube, Clayton, and George D. Bower, University City, Mo., assignors to Alco Valve Company, University City, Mo., a corporation of Missouri
Application April 14, 1944, Serial No. 531,020
13 Claims. (Cl. 62—2)



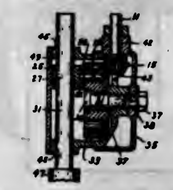
2. In a mechanism of the kind described for use with a refrigeration system having a power device, the combination of a refrigeration valve, a first thermal device for operating the valve into an open position in response to demand for refrigeration, and a second thermal device for operating the valve toward closed position by overriding the operation of the first thermal device, said second thermal device being responsive to an overload of the power device of the refrigeration system.

2,484,157
TOOTHBRUSH HOLDER
Herman Dunlap, St. Louis, Mo.
Application February 17, 1948, Serial No. 8,819
2 Claims. (Cl. 312—112.5)



2. A protector-type rack for tooth brushes comprising a base unit adapted to be fixedly mounted on a wall or equivalent support, said unit comprising a horizontally disposable longitudinally elongated ledge, said ledge being provided along its normally inner longitudinal edge with a riser constituting a back wall, said back wall having upstanding longitudinally spaced keeper pins, said ledge being provided with a plurality of apertures and being further provided on its upper side with upstanding lips bordering the apertures, open bottomed cover shields resting on said ledge and in alignment with said apertures and held in place by said upstanding lips, and a second, complemental unit embodying a horizontally disposed shelf resting on the upper ends of said shields and being provided along one longitudinal edge with a drop flange, the lower edge of said flange conforming in shape to the upper edge of said back wall and resting on said upper edge and being provided with keeper sockets, said keeper pins fitting removably in said sockets.

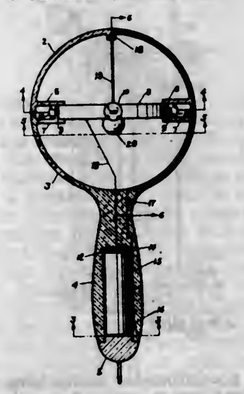
2,484,158
RECIPROCATING TOOL ATTACHMENT
Max R. Elser, Dearborn, Mich.
Application February 21, 1947, Serial No. 730,157
1 Claim. (Cl. 74—50)



In a reciprocating tool attachment for rotary shop machines, in combination, front and rear housing parts of substantially bowl shape, the housing parts being cupped together and fitted at their edge portions to abut each other in a lubricant tight joint, a central boss portion extending forward from the front wall of the rear housing to abutting contact with the front housing wall, and means within the housing parts to convert rotary driving motion to reciprocatory driven motion comprising a driven wheel fitting centrally against the front wall of the rear housing, said wheel, walls and boss containing a central perforation, a shaft pin extending through the centrally perforated walls and boss, the shaft pin being headed and threaded to receive a nut outside the front housing for controlling the tightness between the housing parts and the boss, a reciprocating shaft slidably guided in the rear

housing part and projecting therefrom, a rotary shaft rotatively disposed in the front housing part and projecting therefrom suitably to be mounted and driven by a shop machine for operating said reciprocating shaft through said means, and a tool receiving and holding chuck on a projecting end of said reciprocating shaft.

2,484,159
BABY RATTLE
Charles A. Flynn, Jr., Phoebus, Va.
Application September 26, 1947, Serial No. 776,382
5 Claims. (Cl. 240—6.4)



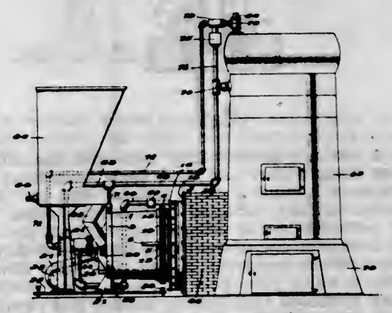
5. A baby rattle, comprising a handle, a spring clapper and a sounding ring carried by said handle with said ring disposed concentrically of said clapper, a plurality of electric bulbs mounted in said ring, said bulbs including base contacts extending radially inwardly of said ring and in insulated relation thereto, a bi-polar battery carried by said handle inwardly thereof, leads connecting the poles of said battery to said bulbs and clapper, respectively, and said clapper being intermittently engageable with said base contacts of said bulbs to close circuits thereto upon agitation of said rattle.

2,484,160
STEREOSCOPIC OBSERVATION INSTRUMENT
James Weir French and Claud Foster, Glasgow, Scotland, assignors to Barr & Stroud Limited, Glasgow, Scotland
Application December 18, 1946, Serial No. 716,954
In Great Britain March 22, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1959
3 Claims. (Cl. 88—29)



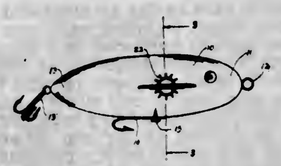
1. A stereoscopic observation instrument comprising a base extending transversely relative to the observer, two optical systems carried by said base and each having an adjustable optical part, two eyepiece tubes, one for each base optical system, having their optical axes at an angle to the base, a connection between each eyepiece tube and the adjustable optical part of its base optical system, eyepiece reflectors carried by the eyepiece tubes to reflect two transverse beams of light from the base optical systems to the eyepiece systems, and a carrier for the eyepiece tubes which is rotatable through 180° to interchange the positions of the tubes and so convert the instrument from ortho-stereoscopic character to pseudo-stereoscopic character and vice versa, each tube in both its positions being associated with the same base optical system and the interchanging movement of the tubes effecting adjustment of the optical parts in the base optical systems to compensate for the displacement of the tubes in the interchange.

2,484,161
FUEL BURNER FOR BOILERS
Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application April 4, 1944, Serial No. 529,502
16 Claims. (Cl. 122—11)



1. In a furnace, the combination of a rotary burner for solid fuel, said burner comprising a surrounding wall structure of elongated tubular form enclosing a combustion chamber adapted to receive a fuel bed of solid fuel therein, means forming air passages lengthwise of the tubular portion of said wall structure and having discharge openings therefrom in the combustion chamber, means forming a water jacket in the wall structure externally of the air passages and in heat exchange relation therewith and with the interior of the burner, means for admitting air to the air passages, and means mounting the burner for rotary movement.

2,484,162
BAIT CASTING PLUG
Theodore Golembeski, Everett, Mass.
Application March 20, 1947, Serial No. 736,018
1 Claim. (Cl. 43—42.22)



A casting plug having a transverse opening therethrough, said plug having slots circumferentially spaced about the ends of the opening and in the surface of the plug body, fins having projections adapted to selectively enter the circumferentially arranged slots, sleeve portions connected to the inner ends of the projections

system.

a reciprocating shaft slidably guided in the rear

627 O. G.—28

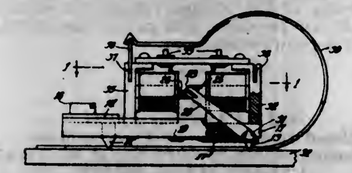
on the fins adapted to enter and extend into said transverse opening, pins in the outer ends of the sleeve portions transversely thereof and of said projections, and spring means extending within the sleeve portions within the transverse opening and between the fins and connected at its opposite ends to said pins to maintain the fins in their adjusted positions within the slots, and said sleeve portions being adjustable in and out of the transverse opening simultaneously with the movement of said fins.

2,484,163
FILLER PLUG AND ELECTROLYTE LEVEL INDICATOR FOR STORAGE BATTERIES
Dragie P. Gosheff, Tampa, Fla.
Application September 28, 1948, Serial No. 51,526
4 Claims. (Cl. 136—182)



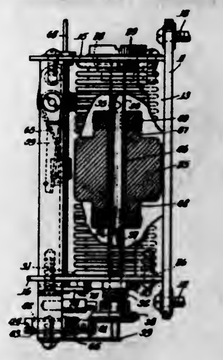
1. A storage battery filler plug and indicator of the class shown and described comprising a screw-plug having a float adapter and an upstanding axially centered transparent dome, a float actuable in the adapter and having a colored indicator operable in said dome, said dome being swivelly mounted in the plug, the latter having a water filler hole and said dome having readily openable and closable lidding and closure means for said filler hole, said means being a plate swingable in an arc at right angles to axis of said dome and being in wiping contact with the adjacent portion of the plug.

2,484,164
ELECTROMAGNETIC STRAIN GAUGE
Claude M. Hathaway, Denver, Colo.
Application July 21, 1943, Serial No. 495,617
3 Claims. (Cl. 33—148)



3. An electric gage having an elongated base, a magnetic flux circuit including said base, an air gap, and two pairs of horizontal pole pieces each provided with a similar oblique faced pole piece, said pole pieces being arranged parallel to each other above said base, a coil surrounding each pole piece, said pole pieces being arranged in coaxial pairs to provide an air gap between the pole pieces of each pair of coils, a movable armature positioned within said air gap and normally arranged equidistant from each pole piece, a rigid adjustable knife edge mounted adjacent one end of and beneath said base, a knife edge bearing located adjacent the other end of and beneath said base, a movable knife edge member having a knife edge positioned within said knife edge bearing and another knife edge arranged in opposition to said first knife edge for supporting the other end of said base, said movable knife edge member having a lever arm extending at an acute angle to a line drawn through both the knife edges thereof, said arm at its free end supporting said movable armature.

2,484,165
ACCELEROMETER
Claude M. Hathaway, Denver, Colo.
Application April 5, 1945, Serial No. 586,787
8 Claims. (Cl. 264—1)



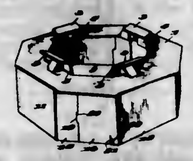
1. In an accelerometer comprising a pair of parallel spaced apart support members, a pair of coaxially arranged bellows interconnected by a weight, said bellows being connected to said support members, the combination comprising a hollow shaft extending within said bellows between said support members, a plurality of apertures in said shaft, each aperture being associated with a different one of said bellows, and adjustable means to regulate the effective opening of at least one of said apertures to control the damping of the movement of said weight.

2,484,166
ELECTRIC MOTOR
Milton D. Huston, Santa Fé, N. Mex., assignor to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application March 11, 1948, Serial No. 14,204
3 Claims. (Cl. 172—36)



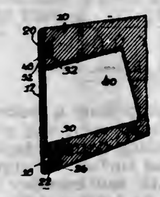
1. In combination, an electric motor, a housing therefor, comprising at least two separable motor enclosing sections, the motor including a shaft and bearings, the axis of the shaft and bearings being located in the plane defining the opposed faces of the separable sections, oil reservoirs integral with the walls of the sections and extending on both sides of such plane, wicks completely filling the reservoirs, apertured to encircle and engage the bearings.

2,484,167
HAT PACKING STAY
Joseph G. Huye, New Orleans, La.; Charlotte Huye and Merle Huye, legatees by Judgment of Possession of said Joseph G. Huye, deceased, assignors to Huye Space Saving Box System, Inc., New Orleans, La.
Application October 15, 1945, Serial No. 622,441
4 Claims. (Cl. 206—9)



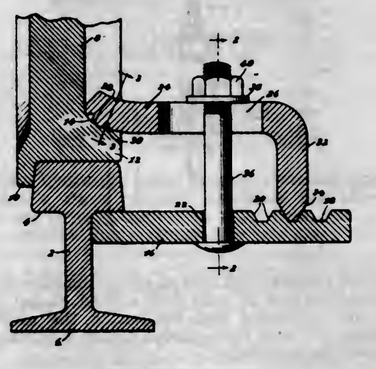
2. A paper-board hat packing stay comprising a body formed with a hat-crown receiving opening and hat cradling members disposed at spaced intervals about the margin of said opening, each said member including a base portion integrally connected by a resilient hinge fold to said body and a hat-brim engaging portion integrally connected by a resilient hinge fold to said base portion, in combination with means respectively connected with said hat-brim engaging portions of the respective cradling members and extending through said body and formed with faces to respectively engage the upper and lower faces of said body to limit the outward and inward swinging movements respectively of said respective cradling members.

2,484,168
GUN STOCK
Teddy Jachimiec, Chicago, Ill.
Application July 17, 1946, Serial No. 684,278
1 Claim. (Cl. 42—71)



In combination with a gun stock having a storage chamber therein and said chamber having a butt entry, a cover for said butt entry comprising a substantially flat, elliptical shaped heel plate, said heel plate having thereon transversed corrugations and a cavity near the upper end, a pivot means near the lower end of said gun stock about which said heel plate may rotate freely through an arc of 360 degrees, a fastening means near the upper end of said gun stock to fasten said heel plate in position over the butt entry, said fastening means comprising a thread bushing secured within the upper part of the butt end of the stock, a bezel type headed screw having a U-shaped handle pivoted thereto, said screw transversing through said heel plate and into the threaded bushing, the bezel head of said screw being adapted to lie substantially within the heel plate cavity, the lower portion of the cavity being recessed to receive said U-shaped handle and so constructed that the finger of a user of the gun may be inserted to grasp the U-shaped handle of the screw.

2,484,169
WHEEL CLAMP
Harry T. Jones, Corpus Christi, Tex., assignor of one-half to Earl Summers, Corpus Christi, Tex.
Application May 23, 1946, Serial No. 671,804
1 Claim. (Cl. 188—45)



In a railway wheel clamp for temporarily securing a railway car wheel in a fixed position on a rail, the combination which comprises a base bar adapted when the clamp is in use to extend laterally from the rail with an end portion thereof in contact with the under side of the rail head, the base bar being provided between its ends with a vertical opening and having spaced transversely disposed grooves in its upper side between said opening and its other end, the side walls of the grooves converging downwardly, a clamping bar provided between its ends with a longitudinal slot and adapted when the clamp is in use to extend laterally from the wheel with an end portion thereof in contact with the inner side of the rim of the wheel, said end portion of the clamping bar having a convex lower face conforming to the inner face of the wheel rim and said face having transverse slots to adapt the clamping bar to firmly engage the wheel rim, a leg extending downwardly from the other end of the clamping bar and having its lower end tapered and engaging in a selected groove of the base bar, and securing means for the base and clamping bars, said means including a bolt passing through the opening in the base bar and the slot in the clamping bar, the slot adapting the bars to be relatively adjusted longitudinally so that the leg of the clamping bar may be engaged with any one of the grooves of the clamping bar to adjust the clamp for use in connection with rails and wheels of different size.

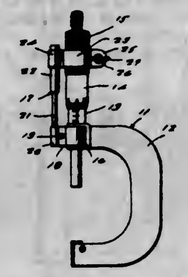
2,484,170
MICROMETER LOCK
Harry Kerslake, Pomona, Fla.
Application October 16, 1945, Serial No. 622,541
2 Claims. (Cl. 33—167)

1. The combination with a micrometer including a gauge sleeve and a barrel rotatable on said sleeve, of a locking device detachably secured to said sleeve and barrel for holding said sleeve and barrel in a fixed relation, said device comprising a clamp member arranged transversely of said gauge sleeve and said barrel and having one end embracing a portion of said barrel, a second clamp member arranged transversely of said sleeve and said barrel and spaced from said first-named clamp member, said second clamp member having one end embracing a portion of said gauge sleeve

edge bearing and another knife edge arranged

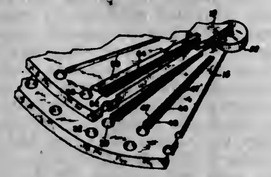
gage the bearings.

and secured to the latter portion, a spindle disposed in spaced parallel relation with respect to said gauge sleeve and barrel and rigidly supported in the other end of said second clamping member, a sleeve carried by the other end of said first-named clamping member and slidably mounted



on said spindle, and means extending through the embracing end of said first-named clamp member for releasing and tightening the clamping pressure of said first-named clamp member with respect to said barrel.

2,484,171
CRYPTOGRAM MACHINE
Leon F. Klink, Medford, Oreg.
Application January 10, 1946, Serial No. 640,338
1 Claim. (Cl. 35—2)



In a cryptogram device, a substantially square-shaped body, a circular recess in said body, superposed upper and lower discs rotatably mounted in said recess, a plurality of circular openings in said lower disc, a plurality of circular openings in said upper disc in alignment with said openings in said lower disc, a second set of circular openings in said lower disc positioned interiorly of said first named circular openings, a plurality of radially arranged guide pockets containing removable letters on said lower disc, a plurality of radially arranged openings in said upper disc to permit viewing said letters on said lower disc, a plurality of radially arranged guide pockets on said upper disc adjacent openings, said guide pockets containing removable letters, a plurality of guide pockets circumferentially arranged on said square shaped base body, and a plurality of removable letter slides positioned in said pockets, said slides being provided with upturned tabs, whereby they may be readily removed from said pockets.

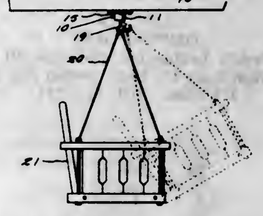
2,484,172
NECKTIE CLASP
Eugene A. Kehout, Miami, Fla.
Application July 12, 1946, Serial No. 683,080
2 Claims. (Cl. 24—49)

1. A necktie clasp for attaching a necktie to the front pleat of a garment near the edge thereof while concealed behind the necktie, comprising two elongated clamping members joined and resiliently held against each other for gripping between them the front pleat of the garment and the tail section of the tie, said members when seated extending substantially in a longitudinal direction at right angles to the edge of the front pleat, the elongated front clamping member being provided with a pair of transversely directed holes at right angles to the longitudinal axis of the elongated clamping member, a U-shaped double pin member with



its two pins joined by a yoke and provided with pointed ends, said pins being of a length exceeding the width of the front clamping member, said double pin member being held in the holes of the front member in a transverse position with the pins running across the front of the front member and their points projecting over the edge of the same to engage the back strip of the front section of the tie in a longitudinal direction.

2,484,173
SWINGING SWIVEL
Warren R. Leas, Pittston, Pa., assignor to Gregory S. Gustitus and Norbert A. Gustitus, Forty Fort, Pa.
Application June 7, 1944, Serial No. 539,152
1 Claim. (Cl. 248—341)



A swing swivel comprising a socket-like member having an enlarged open end provided with an outwardly projecting flange adapted to be secured to an overhead surface for supporting said member therebeneath, said member having a restricted opening in its bottom defined by an inwardly and upwardly turned annular flange defining an annular groove around the opening and within said member, a plurality of ball bearings disposed in said groove; a substantially spherical member disposed in the socket-like member sized to pass through its enlarged open end and impassable through said bottom opening and rotatably supported on said ball bearings, and a suspending element secured to and depending from the substantially spherical member through the bottom opening of the socket-like member and swingably disposed therein.

2,484,174
THERAPEUTIC SULFONAMIDE COMPOSITIONS
David Lehr, New York, N. Y.
No Drawing. Application August 18, 1945, Serial No. 611,445
3 Claims. (Cl. 167—51.5)

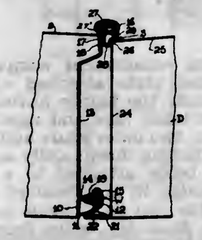
1. A therapeutic composition prepared for the internal administration of sulfonamide drugs

consisting of a mixture of substantially equal amounts of at least two p-aminobenzenesulfonamide compounds differently substituted at the N^1-nitrogen by a radical selected from the group consisting of heteroatomic chains and heteroatomic rings, the amount of each component in each dose being substantially less than the full dosage of such component of the mixture that would be given if such component were given alone, whereby the renal toxicity is substantially reduced without reduction of the therapeutic effect as compared with the toxicity and therapeutic effect of each of said mixture components when given singly in full dosage.

2,484,175
THERAPEUTIC SULFONAMIDE COMPOSITIONS
David Lehr, New York, N. Y.
No Drawing. Application February 6, 1948, Serial No. 6,812
4 Claims. (Cl. 167—51.5)

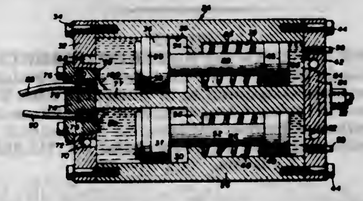
1. A therapeutic composition prepared for the internal administration of sulfonamide drugs consisting of a mixture of substantially equal amounts of at least two p-aminobenzenesulfonamide compounds selected from the group consisting of 2-sufanilamidopyrimidine and homologues thereof, the amount of each component in each dose being substantially less than the full dosage of such component of the mixture that would be given if such component were given alone, whereby the renal toxicity is substantially reduced without reduction of the therapeutic effect as compared with the toxicity and therapeutic effect of each of said mixture components when given singly in full dosage.

2,484,176
BODY CONSTRUCTION AND DOOR SEAL
Gilbert H. Lindemann, Muncie, Ind.
Application June 9, 1948, Serial No. 32,000
13 Claims. (Cl. 296—44)



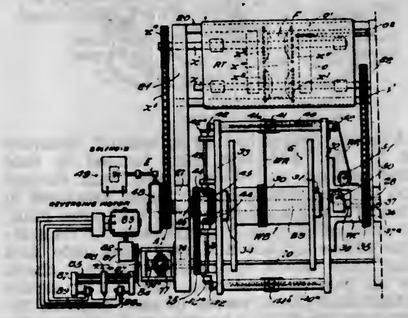
1. In a structure of the type described having a door opening, a door frame and sealing assembly including spaced inner and outer body panel members, a face member extending between said panel members to define a portion of said door opening, said face member having an inner weather seal retaining channel portion formed at its inner edge and a web at its outer edge projecting toward the center of said door opening, said outer body panel member being offset inwardly at said door opening and having a web extending parallel and adjacent to said web of said face member, means for securing said webs together to attach said face member to said outer body panel member and provide an outer weather seal support, and means for securing said inner body panel member to said face member adjacent said channel portion thereof.

2,484,177
HYDRAULIC BRAKE SAFETY DEVICE
Elsworth E. Mapes and Russell E. Cox, Mena, Ark.
Application July 27, 1948, Serial No. 40,304
8 Claims. (Cl. 303—84)



1. In a hydraulic brake system, a master cylinder and a slave cylinder assembly operatively connected thereto, individual wheel cylinders having hydraulic lines connected to said slave cylinder assembly, said slave cylinder assembly comprising a plurality of slave cylinders with pistons slidable therein, an operative connection between said master cylinder and one end of said slave pistons, pressure chambers at the other end of each of said pistons, each of said pressure chambers being connected to one of said hydraulic lines, an intermittently operated electric switch in each of said pressure chambers for signaling a predetermined travel of the piston therein, a second switch in each chamber for indicating piston travel in excess of said predetermined travel, fastening means for holding said second switch closed upon actuation thereof and a stop for limiting piston travel towards said switches, a signaling device and electric circuits connecting said switches thereto.

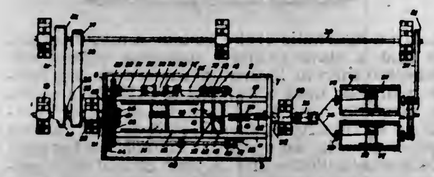
2,484,178
WIRE ROPE MAKING MACHINE
William T. MacCreadie, Lewisburg, Pa., assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa., a corporation of Pennsylvania
Application September 25, 1945, Serial No. 618,443
15 Claims. (Cl. 57—71)



1. In a machine for manufacturing wire rope, a wind-up bobbin unit comprising a bobbin cradle, means for pivotally supporting said cradle, a wind-up bobbin shaft rotatively mounted in the cradle, a bobbin carried by said shaft and rotatable therewith, means for rotating said bobbin shaft, a drive gear rotatively mounted upon and arranged concentrically with respect to the bobbin shaft, an actuator shaft mounted in said cradle, a rope-guide-member mounted to be reciprocated by said actuator shaft, so as to deliver rope to said bobbin, a counter shaft operatively con-

necting said drive gear and said actuator shaft, means for counterbalancing said guide member, means for imparting independent rotative movements to said drive gear, and means for controlling the speed of rotation of said drive gear.

2,484,179
WIRE ROPE MANUFACTURING MACHINE
William T. MacCreadie, Lewisburg, Pa., assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa., a corporation of Pennsylvania
Application May 13, 1947, Serial No. 747,803
3 Claims. (Cl. 57—68)



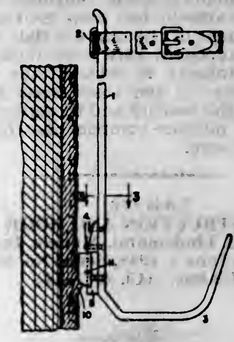
1. In a wire rope manufacturing machine, an elongated cradle rotatably mounted upon its longitudinal axis, a wind-up bobbin a cam drum and a haul-off drum rotatably supported in said cradle upon axes disposed transversely of said cradle and in spaced relation to one another, means for rotating said cradle, power means supported by and located on one side of said cradle for rotating said bobbin and said cam drum, and power means supported by and located upon the opposite side of said cradle for rotating said haul-off drum.

2,484,180
THERMOSTAT VALVE
Max L. McConnell, Portland, Oreg.
Application May 28, 1946, Serial No. 672,848
2 Claims. (Cl. 226—12)



2. A mixing valve having a housing, separate inlets for hot and cold fluid formed in said housing and an outlet for mixed fluid formed in said housing, a coiled thermostat arranged in said housing and including inner and outer ends, means controlled by said thermostat for regulating the inflow of hot and cold fluid into said housing, said means comprising separate check valves for said hot and cold fluid inlets, means mounting said check valves in said housing for pivotal movement in opening and closing directions, a shaft fixed in said housing and extending transversely thereof axially of said thermostat, an open cylinder freely rotatably mounted on said shaft and concentrically disposed about said thermostat, the inner end of said thermostat being fastened to said shaft, the outer end of said thermostat being fastened to said cylinder, whereby to rotate said cylinder in opposite directions on said shaft upon expansion and contraction of said thermostat, gear teeth fixed on said cylinder concentrically thereof, gear teeth operatively connected to each of said check valves, said gear teeth on said cylinder being adapted to mesh with said teeth on said valves, whereby to actuate the latter upon rotation of said cylinder, said valves being arranged so that rotation of said cylinder in either direction is operative to move one valve in an opening direction and the other valve in a closing direction, means mounting said cylinder for linear movement in said housing into and out of mesh with said gear teeth of said valves, said last means comprising a yoke including a stem and parallel legs, said shaft extending across said legs and being fixed thereto, said housing being formed with opposed grooves slidably receiving said legs, and means engaging said stem of said yoke for moving said yoke and cylinder linearly of said grooves toward and away from said gear teeth of said check valves.

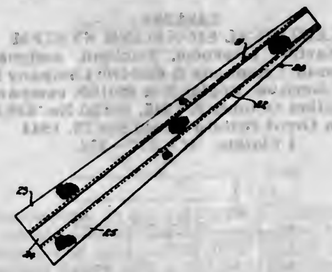
2,484,181
MULTIPLE-SPUR TREE CLIMBER
Thornton T. Munger and Theodore Kachin, Portland, Oreg., dedicated to the free use of the People in the territory of the United States
Application April 2, 1948, Serial No. 18,763
3 Claims. (Cl. 227—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A climbing attachment comprising a leg shank; a holder plate attached on the outer side of the shank; the holder having a slot, the slot having an inner face and upper and lower retaining edges; two outer spurs and at least one inner spur projecting downwardly and outwardly, each spur being attached to a flange, the flange being seated in and retained in the slot; the points of the two outer spurs projecting an equal distance from the outer face of the leg shank, the inner spur point being projected a lesser distance from the outer face of the leg shank; whereby the lower extremities of the three spur points are disposed in a horizontal arc.

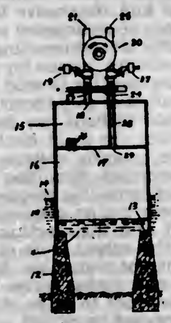
2,484,182
NECKTIE CONSTRUCTION
Max M. Newman, New York, N. Y.
Application January 15, 1946, Serial No. 641,203
10 Claims. (Cl. 2—146)

4. A tie lining structure comprising a bias-cut, woven fabric material, said structure including three distinguishable longitudinal sections, said longitudinal sections being interwoven, each of said sections including filler threads and warp threads interwoven therewith, a central section of said structure having its warp threads occurring in greater density on one side thereof than on the other side, the endwise disposed sections similarly having warp threads occurring in greater density on one side than on the other, both said one sides of said endwise sections being on the same side of the tie lining structure and opposite to said one side of said central section, the disparity in density of warp threads on the sides of each of said sections being operative to produce a bend in said sections when pulled, the bend produced in said



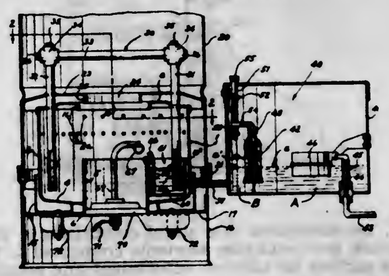
central section being opposite to the bends produced in said end sections whereby said structure is given an undulating shape when said structure is pulled, said end sections being tapered and said central section being substantially rectangular, the tapers of said end sections causing said end sections to converge toward one end of said central section.

2,484,183
HYDROPNEUMATIC POWER PLANT
Bernard J. Paulson, Waukesha, Wis.
Application April 17, 1945, Serial No. 588,780
1 Claim. (Cl. 60—52)



A hydropneumatic power unit of the character described comprising a main air tank, an auxiliary air tank, said auxiliary tank connected with said main tank, said main tank open to the admission of water as a sealing means at its bottom and closed at its top and sides, the sides of said main tank extending below the water level at ebb tide, said main tank rigidly mounted and anchored at its lower end, the upper end of said tank rising above the highest water level, an inlet port extending through said auxiliary tank to the enclosure formed by said main tank, an outlet port extending from said auxiliary tank for permitting air to travel one way from said main tank to said auxiliary tank, said auxiliary tank being provided with an outlet port, in combination with an actuating means connected to the outlet port of said auxiliary tank and the inlet port of said main tank, slidable valve means for opening one of said ports at a time, said valve means disposed between said actuating means and tank, said actuating means designed to permit the flow of outside air into said main tank and out of said auxiliary tank and exhausting compressed air actuated thereby.

2,484,184
RETORT BURNER OF THE POT TYPE
Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application August 2, 1946, Serial No. 688,100
7 Claims. (Cl. 158—63)



1. A liquid fuel burner comprising a pot provided with means for admitting air thereto, a retort structure enclosing a passage and arranged with a part of said passage in heat receiving relation to the top of the pot and so that said passage will discharge into the pot, the pot incorporating a priming basin, and means for supplying fuel to the retort to a given level therein, the retort having, adjacent its fuel receiving part, an orifice below said level through which liquid fuel overflows into the priming basin.

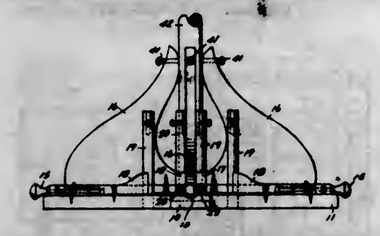
2,484,185
TORQUE RELEASE CLUTCH
Carl P. Pepper, Plainfield, Ind., assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind., a corporation of Indiana
Application February 18, 1948, Serial No. 9,082
7 Claims. (Cl. 192—56)



1. An overload release clutch comprising a rotary drum member, a coaxial torque-transmitting member, a friction clutch element having a torque-transmitting torsionally yieldable portion connected with the coaxial member and a radially yieldable clutching portion for engagement with the drum but normally disengaged therefrom, a clutch actuator carried by the drum member, normally biased for movement into clutch actuating position relative to the radially yieldable portion of the clutch element and movable to an idle position, and torque releasing means co-rotatively carried by the coaxial member and rendered operable consequent upon angular move-

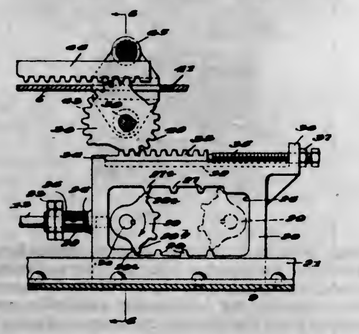
ment of the coaxial member relative to said clutching portion and the drum, enabled by movement of said torsionally yieldable portion of the clutch element under overload, to move the actuator to its idle position.

2,484,186
ADJUSTABLE STAND FOR CHRISTMAS TREES
Peter K. Reevik, Missoula, Mont.
Application July 22, 1948, Serial No. 40,105
3 Claims. (Cl. 248—44)



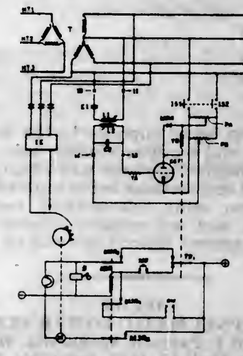
1. An adjustable tree stand comprising a base portion, tree-engaging elements connected to the base portion for slidable adjustment and adapted to have edgewise engagement with the side of a tree, guide members disposed on the opposite sides of each tree-engaging member and fixed to the base, and a hand screw on the base portion and acting upon the tree-engaging member to effect its adjustment, and vertically extending posts connected to the base portion and extending respectively upwardly along the sides of a tree-engaging member, each post having means adjustable into tight engagement with the sides of the member whereby to brace the upper end of the member.

2,484,187
DRIVE MECHANISM
Hugh W. Sanford, Knoxville, Tenn., assignor to Sandebond Patents, Inc., Knoxville, Tenn., a corporation of Delaware
Application August 6, 1943, Serial No. 497,673
16 Claims. (Cl. 74—32)



1. In drive mechanism, the combination of a reciprocatory support, a rotary mutilated pinion having teeth, racks carried by the support and secured thereto and arranged on opposite sides of the mutilated pinion and having teeth to engage the teeth of the pinion, means for driving said pinion to impart reciprocating movement therefrom to the racks and respectively to the support, plunger members, one of said plunger members being connected with the support and movable thereby, means for varying the movement of one of the plunger members relative to the other, and gearing having operative connection with said support and another of said plunger members for moving the last-mentioned plunger member by movement of said support.

2,484,188
ELECTRICAL SIGNALING SYSTEM
Willie Saville, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application October 8, 1945, Serial No. 620,982
In Great Britain December 29, 1944
4 Claims. (Cl. 177—352)



1. An electrical signalling system comprising a plurality of receiving devices connected to electric supply mains and responsive to currents of signalling frequency superimposed on said mains, a single transmitter for generating currents of said signalling frequency, means for applying currents from said transmitter to said supply mains to effect the operation of said receiving devices, a three-electrode cold cathode gas discharge tube, means for subjecting the main electrodes of said tube to a suitable priming voltage immediately prior to a contemplated signalling operation, a circuit tuned to the signalling frequency and connected to said supply mains, connections between said tuned circuit and the starting electrode of said tube so that the output from said tuned circuit when currents of signalling frequency are superimposed on said mains varies the potential of said starting electrode to cause striking of said tube, a relay connected in circuit with the main electrodes of said tube and contacts controlled by said relay for preventing a signalling operation from taking place when currents of signalling frequency are present on said supply mains when said signalling operation is initiated.

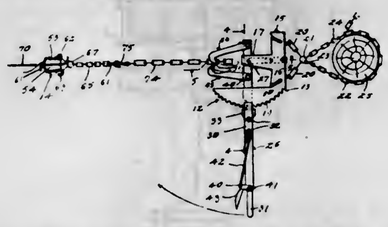
2,484,189
CASTER
George Frederick Shepherd, Brighton, Victoria, Australia
Application August 28, 1945, Serial No. 613,138
In Australia July 26, 1944
2 Claims. (Cl. 16—18)

1. A caster comprising a rotatable hemispherical roller having its edge portion enlarged to form a peripheral floor-engaging tread and a recess within said enlarged portion, a complementary hemispherical member marginally fitting within said recess and forming, together with the rotatable hemispherical roller, a spherical shell, said complementary hemispherical member having an aperture therein, an attachment member, a spindle secured to said attachment member and extending through said aperture, a bearing sleeve rotatably fitting said spindle, a lug projection integral with the bearing sleeve, an axle secured to said lug projection and offset from and inclined with respect to said spin-



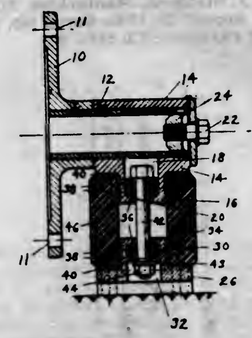
dle, a hollow boss on the rotatable hemispherical roller rotatably fitting the axle, said spindle having a collar and said hollow boss having a circumferential flange, and a retaining member disconnectably fixed to said lug projection and engaging said collar and flange to maintain the roller on the axle and the spindle in the bearing sleeve.

2,484,190
STRETCHING OR PULLING APPARATUS
Marshall E. Singleton, Kenton, Tenn.
Application January 31, 1947, Serial No. 725,603
1 Claim. (Cl. 254—75)



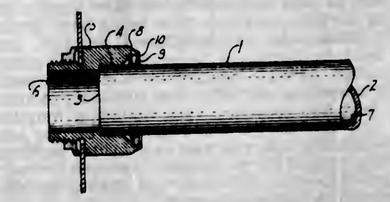
A stretching or pulling apparatus comprising, in combination with a clamping unit adapted to be detachably connected and clamped to an element to be stretched or pulled, an actuating unit including a frame adapted to be detachably anchored to a retaining member, a lever swingably connected to the frame, hooks pivotally connected to the lever on opposite sides of the pivot thereof and having slotted claws, a flexible member connected at one end thereof to the clamping unit and having spaced portions constructed and arranged to be engaged by the slots of the claws, said lever being manually swingable relatively to the frame for advancing the hooks in a step-by-step movement whereby the slotted portions of the claws thereof will be advanced alternately one beyond the other for drawing the flexible member toward the frame for exerting a pulling action on the clamping unit, said frame including a transverse portion to which said retaining member is anchored, a bar portion projecting therefrom in a direction away from the retaining member and to which the lever is pivoted, and a latched segment portion forming an integral part of the frame and disposed substantially parallel to the bar portion thereof and over which a part of the longer end of the lever is swingably disposed, said latched segment portion having an outer convex toothed edge, and a manually retractable spring projected latch slidably mounted on the longer end of the lever for normally latching the lever to the frame to hold said lever against swinging movement.

2,484,191
VIBRATORY EQUIPMENT
Lewis E. Soldan, Chicago, Ill.
Application January 6, 1945, Serial No. 571,682
3 Claims. (Cl. 248—22)



1. A mounting device for vibratory equipment comprising a stationary member, a hollow projection on said stationary member, a vibratory member, a hollow projection on said vibratory member, said projections having their ends extending toward each other, a resilient member positioned within each of said hollow projections, a resilient sleeve that receives and telescopes over the inwardly extending ends of said projections, and a member that is secured to the resilient members in said hollow projections and extends through said resilient sleeve to hold said stationary member and said vibratory member in engagement with said resilient sleeve.

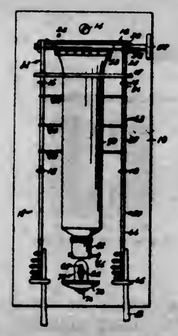
2,484,192
CONNECTOR FOR THIN WALL CONDUITS
Samuel Squiller, Pittsburgh, Pa.
Application April 10, 1947, Serial No. 740,577
2 Claims. (Cl. 285—161)



1. A connector for thin wall conduit having a cylindrical bore of substantially the same diameter as the conduit and having a cylindrical counterbore of substantially the outer diameter of said conduit, a recess in said connector for receiving a lock ring having an inner diameter less than the outer diameter of said conduit, a flat lock ring in said recess having radial V-notches angularly disposed forming segments therebetween, and fastening means for said lock ring, said segments being flared at an angle on one side only of said ring whereby upon insertion of the conduit in its cylindrical counterbore said segments engage the outer surface of the conduit to prevent removal thereof from the con-

nector by forces acting axially of the conduit while permitting removal of the conduit by a turning motion in the direction of angular disposition of said segment portions.

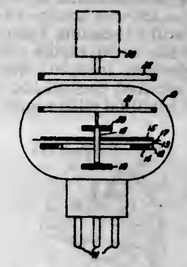
2,484,193
COMBINATION TOOTH PASTE DISPENSER AND TOOTHBRUSH HOLDER
Frank L. Starbeck, Montevideo, Minn., assignor to Leiah J. Starbeck, Montevideo, Minn.
Application August 29, 1945, Serial No. 613,298
2 Claims. (Cl. 222—93)



1. A device of the character described, comprising a rectangular shaped supporting base, an inverted U-shaped frame secured to said base, said frame comprising vertical rods joined at their upper ends by a horizontal integral bridge portion, said rods being bent at their upper ends forwardly then upon themselves to form circular key receiving eyes, then downwardly and rearwardly to form U-shaped brackets having key receiving eyes therein, the rods then being bent downwardly and forwardly to provide a supporting portion, a forwardly extending U-shaped bridge portion secured at its ends to said rods at said last mentioned downwardly extending portion, the rods below the supporting portions being bent downwardly and then rearwardly to form forwardly extending U-shaped supporting brackets, a plurality of rearwardly extending tube engaging U-shaped bridge portions secured to said rods at said last mentioned downwardly extending portion, said rods then being bent downwardly from said last mentioned brackets and then bent to form a circular brush supporting eye portion at right angles to said last downwardly extending portion, a key rotatably mounted in said key receiving eyes having a longitudinal slot therein for the reception of one end of a collapsible reservoir and said bridge portions providing means for preventing outward or rearward movement of said reservoir during the dispensing of the contents thereof.

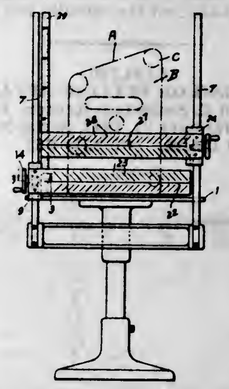
2,484,194
ELECTRONIC TUBE
John R. Steinhoff, Brooklyn, N. Y., assignor to J. Gregory Poole, Raleigh, N. C.
Application March 30, 1945, Serial No. 585,613
1 Claim. (Cl. 250—27.5)

An electronic tube comprising an envelope, an annular anode and an annular cathode positioned in said envelope to define a generally annular interelectrode space, said anode comprising a plurality of electrically insulated sectors, a shield member completely insulated within said envelope mounted for rotation through said annular interelectrode space to occupy successive portions thereof, and means responsive to a force external



to said envelope for rotating said shield members.

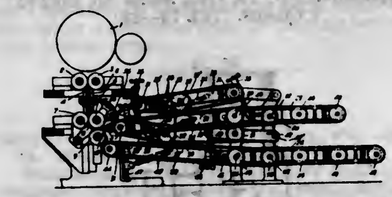
2,484,195
SIGHT ALIGNMENT MEASURING DEVICE
George A. Swarts, Millington, N. J.
Application June 27, 1947, Serial No. 757,503
4 Claims. (Cl. 33—63)



2. A sight alinement measuring device comprising a pedestal having a table thereon, a pair of vertical bars mounted on said pedestal and disposed at one side of said table, two sight elements each including a rider mounted to move up and down on one of said vertical bars, a pair of spaced parallel and opposed sight plates mounted on each of said riders in vertical planes parallel to the planes of the plates on the other rider, cooperating sighting indicia on the plates of each sight element, and means for adjusting said riders on their respective vertical bars.

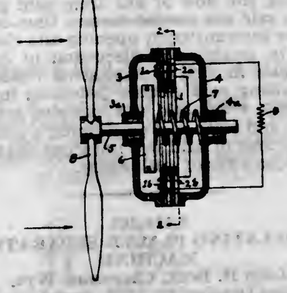
2,484,196
MACHINE FOR SEPARATING AND FEEDING COUNTED BATCHES OF ARTICLES
George Turrall and Charles Henry Skinner, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application February 27, 1946, Serial No. 650,671
In Great Britain March 3, 1945
5 Claims. (Cl. 93—93)

1. In a mechanism for separating a continuous stream of products into a stream of separated counted batches of products, a plurality of travelling supports comprising endless driven members, switch means to divert a predetermined number of successive products in the continuous stream first to first driven members of one support and then to first driven members of another support, secondary endless members driven at higher speed to accelerate first the products on the first driven members of one support and then to accelerate the products on the first driven



members of another support and conveying means operating continuously at a speed greater than that of the first driven members to take the accelerated products first from one support and then from another support.

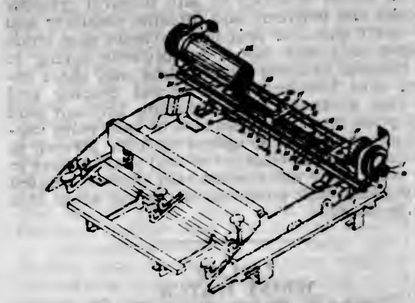
2,484,197
WIND-DRIVEN ELECTRIC POWER PLANT
Albert C. Veldhuis, West Chester, Pa., assignor to Robert W. Weeks, West Chester, Pa.
Application January 28, 1948, Serial No. 4,724
5 Claims. (Cl. 290—44)



2. In a fluid current power plant, the combination of a dynamo-electric generator, a fluid current motor driving said generator at a speed proportional to the velocity of the fluid current, said motor having an axially shiftable shaft movable under the pressure of the fluid stream, means regulating the axial movement of said shaft in dependence upon the velocity of said fluid stream and means controlled by the movement of said shaft for varying the field strength of said generator.

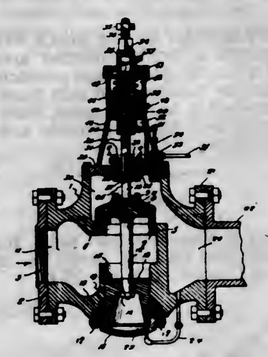
2,484,198
NOISELESS ESCAPEMENT MECHANISM
John C. Veltman and William O. Michelsen, St. Louis County, Mo., assignors to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application December 13, 1945, Serial No. 634,757
5 Claims. (Cl. 197—82)

3. In a typewriting machine, the combination with a shiftable paper carriage, an escapement mechanism having an escapement wheel and an escapement pawl normally moved to contact said escapement wheel, and a spring motor having a revoluble reel housing operatively connected to the carriage to power the feed thereof, of an escapement click elimination mechanism comprising a friction disc in contact with the reel housing and adapted to be rotated thereby, an arm secured to said disc and extending outwardly therefrom, means limiting rotation of said friction disc, and a longitudinally movable link pivotally connected to said arm, said link extending to a point adjacent the escapement pawl, the escapement pawl including a portion extending



into the path of movement of said link adapted to be contacted by said link when said link is moved by carriage return rotation of said reel housing to move the escapement pawl out of contact with the escapement wheel, whereby the usual escapement clicking noise is eliminated during carriage return.

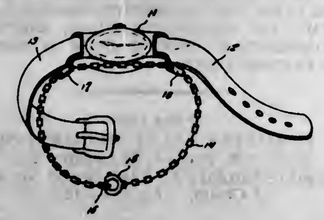
2,484,199
THROTTLE VALVE MECHANISM
Walter B. Walger, El Campo, Tex.
Application January 11, 1946, Serial No. 640,458
1 Claim. (Cl. 277—12)



In a valve for controlling fluid under pressure, a valve casing having an inlet and an outlet opening, a transverse web between said openings having an aperture therein, a cylinder at one side and aligned with said web aperture, and an aperture in the side of said casing opposite said cylinder, an integral cover plate, standard and cylinder secured on said casing over said last-mentioned aperture and providing an internal shoulder between said standard and said integral cylinder, a screw threaded valve stem extending through said cover plate carrying a valve gate operative to open and close the aperture in said web, a plunger in said first-mentioned cylinder, means connecting said plunger to said valve gate, conduit means connecting the interior of said casing at the outlet side of said web with the space between said plunger and the outer closed end of said first-mentioned cylinder, a tubular, interiorly screw-threaded valve shaft extending through said in-

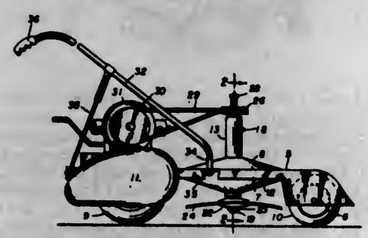
tegral cylinder and into said standard and receiving the adjacent screw-threaded end of said valve stem, said valve shaft having an annular shoulder in said cylinder and an annular groove in the end thereof in said standard, a cap threaded onto the outer end of said integral cylinder, a pair of thrust bearings in said integral cylinder disposed one between said internal shoulder and said shaft shoulder and one between said shaft shoulder and said cap, a compression spring in said integral cylinder surrounding said shaft between said last-mentioned thrust bearing and said cap, a relief valve extending through said cover plate into the outlet side of said valve casing, and a relief valve operating lever pivoted to said standard and engaged in said shaft groove to open said relief valve when said shaft is rotated to compress said compression spring after said valve is closed.

2,484,200
WRIST WATCH
Charles W. Wernts, Huntsville, Mo.
Application July 9, 1946, Serial No. 682,417
3 Claims. (Cl. 224—4)



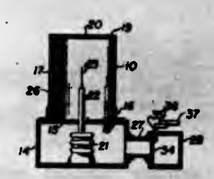
1. A safety bracelet for use with a wrist watch band comprising a flexible member arranged as a loop, and a pair of spaced lugs positioned adjacent said flexible member and said band and operatively connected to said band, each of said lugs encircling said flexible member and slidably engaging the latter.

2,484,201
LAWN MOWER
Laurence J. Winchell, Fort Scott, Kans.
Application May 28, 1947, Serial No. 750,915
8 Claims. (Cl. 56—25.4)



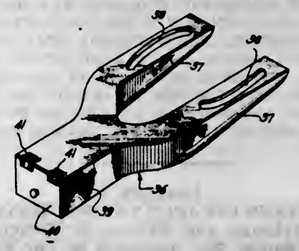
1. A lawn mower comprising a platform having supporting wheels, complementary upwardly and downwardly dished centrally apertured portions on said platform, a sleeve secured to each of the said portions and extending through the apertures thereof, a vertical shaft extending through said sleeve and having a cutting blade secured to the lower end thereof beneath said platform, means for rotating said shaft, means for journalling said shaft in said sleeve.

2,484,202
GAS TESTING DEVICE
Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 29, 1946, Serial No. 686,974
7 Claims. (Cl. 73—28)



1. A device for obtaining a test precipitate of suspended matter from gas which comprises an electrical precipitator including a casing defining a precipitating chamber, the walls of said casing providing an extended surface electrode structure, complementary discharge electrode means positioned in said precipitating chamber, means for impressing an electric potential across said electrodes, gas inlet means opening into said precipitating chamber, opposed gas outlet means for removal of gas from said precipitating chamber, continuously acting gas suction means connected to said gas outlet means, a damper for controlling the flow of gas from said gas outlet means to said gas suction means, time-controlled means for intermittently opening and closing said damper to establish a succession of stationary gas samples in said precipitating chamber and for energizing said electric potential impressing means only when said gas samples are in said chamber, and means for positioning a precipitate-collecting mat in said precipitating chamber adjacent to the walls of said casing.

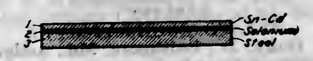
2,484,203
OSCILLATING PLACER SEPARATING MACHINE
John H. Beck, Cheyenne, Wyo.
Application October 21, 1947, Serial No. 781,154
1 Claim. (Cl. 209—446)



In a placer mining machine comprising a support, a pan member mounted for semi-rotary oscillation about a vertical axis on the support, a means for oscillating the pan member on the latter, said pan member having a pair of openings in the bottom thereof symmetrically disposed with respect to the vertical axis of oscillation, the features which include a bifurcated hollow housing having a pair of hollow arms secured to the bottom of said pan member with the openings therein connecting with the interior of said arms, a radially directed main hollow body portion connecting with both hollow arms and having an open

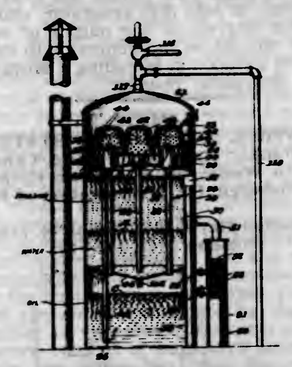
outer end for discharging materials received from the pan member into said hollow arms, a closure member for said open outer end of said main hollow body portion, downwardly sloping bottoms upon said hollow arms inclining downward toward said main hollow body portion, and a bottom upon the latter continuous with the sloping bottoms of said hollow arms.

2,484,204
SELENIUM RECTIFIER
Wayne E. Blackburn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 25, 1942, Serial No. 452,263. Divided and this application June 2, 1945, Serial No. 597,191
5 Claims. (Cl. 175—366)



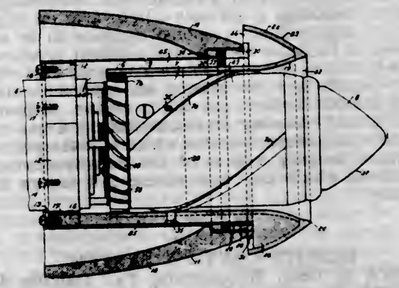
1. The method of treating rectifiers comprising a layer of selenium sandwiched between layers of metal, which comprises immersing said rectifier in oil and impressing between said layers a direct-current voltage tending to cause current flow in the higher resistance direction through said rectifier while still immersed in said oil.

2,484,205
APPARATUS FOR TREATING CRUDE OIL EMULSIONS
Arthur V. B. Candler, Tulsa, Okla., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla., a corporation of Delaware
Application December 21, 1944, Serial No. 569,190
18 Claims. (Cl. 183—2.7)



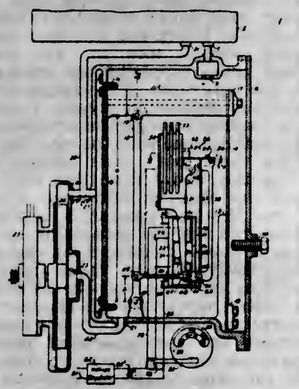
18. Apparatus for treating petroleum emulsions, comprising a knock-out chamber receiving the relatively cool emulsion, means leading into the knock-out chamber below the level of the emulsion therein for supplying the emulsion into the knock-out chamber and imparting thereto a rotary motion, a separate gas separating chamber arranged above the knock-out chamber, a sump chamber arranged between the gas separating chamber and the knock-out chamber and serving as heat insulating means between the knock-out chamber and gas separating chamber, the sump chamber having an apertured top, a settling chamber arranged beneath the knock-out chamber for receiving relatively hot oil, an emulsion treating unit for heating the emulsion and supplying the separated relatively hot oil to the lower portion of the settling chamber, means for withdrawing the emulsion from the upper portion of the knock-out chamber and supplying the emulsion to the emulsion treating unit, gas separating means arranged within the gas separating chamber, tubes arranged between the knock-out chamber and gas separating chamber and having their lower ends terminating near the top of the knock-out chamber and their upper ends leading into the gas separating means, said tubes supplying the relatively cool gas from the upper end of the knock-out chamber to the gas separating means, a second set of tubes extending through the knock-out chamber in thermal contact with the emulsion therein and having their lower ends leading into the settling chamber and terminating near the top of the settling chamber and their upper ends leading into the gas separating chamber and discharging into the gas separating means, the second set of tubes effecting heat exchange between the relatively warm vapor from the top of the settling chamber and the relatively cool emulsion within the knock-out chamber so that the temperature of such vapors are reduced before entering the gas separating means, and means receiving oil from the sump chamber and returning the same to the lower portion of the settling chamber, the last named means forming a seal with the oil within the settling chamber.

2,484,206
MECHANICAL DEVICE
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1945, Serial No. 597,575
2 Claims. (Cl. 102—70.2)



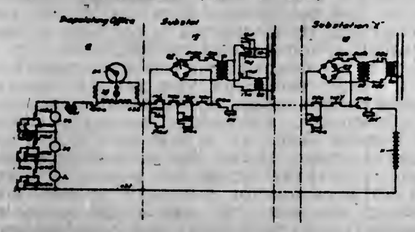
1. In a projectile, an elongated substantially cylindrical housing base, a member disposed within said base remote from the forward end thereof and rigidly secured to the base, a substantially cylindrical shell section having a plurality of extensions at one end and terminating at the other end in an outer annular retrorse shroud portion, means for joining said extensions to said member, a cylindrical housing of smaller diameter than that of said shell section secured in spaced relation therein to define an interior annular passageway, said passageway having an inlet opening forwardly between said housing and said shell section and an outlet opening rearwardly adjacent said shroud portion, and air-operated turbine means operatively mounted to be propelled by air driven through said passageway.

2,484,207
GAS DENSITY METER
Harry E. Crimer, Forest Hills, and René A. Baudry, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1945, Serial No. 578,330
5 Claims. (Cl. 73—30)



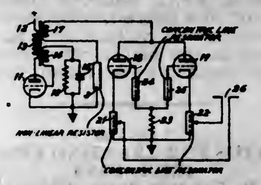
1. An instrument for responding to a density-characteristic of a gas, comprising means for providing a chamber containing the gas to be responded to, pressure-creating means, in communication with said chamber, for creating a pressure-difference which is responsive to a density-characteristic of the gas in question, displacement-producing means which is responsive to said pressure-difference, movable-element displacement-responsive means for obtaining the desired response to the desired density-characteristic of the gas in question, and connecting-means, including a variable-length arm or causing the displacement-responsive means to be actuated in response to the displacement produced by said displacement-producing means, said variable-length arm comprising an expansible and contractable hollow gas-tight means disposed within said chamber and constituting a gas-responsive adjustment-device which is inversely responsive to only a part of the density-characteristic to which the pressure-creating means responds.

2,484,208
REMOTE-CONTROL SYSTEM
Willard A. Derr, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1947, Serial No. 737,661
10 Claims. (Cl. 177—353)



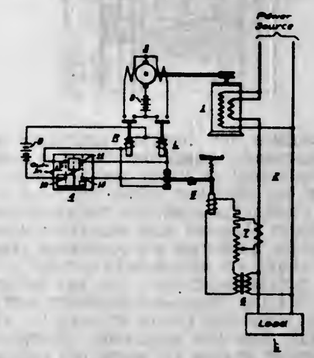
10. In a supervisory control system having a signal channel connecting a remote station and a dispatching office, supervisory control equipment at the dispatching office and corresponding supervisory control equipment at the remote station selectively operable over the channel to select one of a plurality of control points at the remote station, metering transmitter means at the remote station disposed to be selected through one of said control points for connection in the signal channel, associated metering receiver means at the dispatching office disposed to be connected in the signal channel, and circuit means at the dispatching office and remote station including relay means disposed to provide shunt circuits about the metering means, said relay means being operable in response to the selection of a metering point to interrupt said shunt circuits and connect the corresponding transmitter and receiver means at a remote station and the dispatching office in series circuit relation with the signal channel.

2,484,209
PULSED OSCILLATOR
Philip A. Duffy, Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 10, 1945, Serial No. 604,271
4 Claims. (Cl. 250—36)



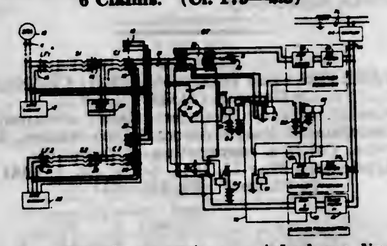
1. In combination with a generator of intermittent voltage pulses, a second pulse generator energized to generate electrical energy during the pulses of said first generator, and to generate energy at a lesser rate during the intervals between pulses of said first generator, and a connection for impressing the output of said first generator on said second generator to thus control it, said connection including a bi-directional unbiased non-linear resistor.

2,484,210
CONTROL AND TESTING SYSTEM
John R. Dunbar, Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 2, 1947, Serial No. 745,620
8 Claims. (Cl. 171—97)



5. In a control system, in combination, a device, electrically controlled means for operating said device in opposite directions, a control switch for manually controlling the operation of said electrically controlled means, and relay means for automatically controlling the operation of said electrically controlled means, said switch having a handle rotatable in opposite directions to cause operation of said device in opposite directions and movable axially to prevent said relay means from causing operation of said device, said switch being operable to test the operation of said relay means without operating the said switch to an off or completely disconnected position.

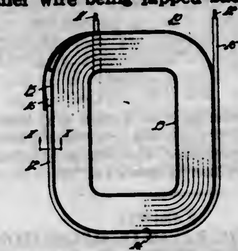
2,484,211
POWER LINE CARRIER FREQUENCY TELEPHONE SYSTEM
John W. Emling, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1946, Serial No. 702,693
6 Claims. (Cl. 179—2.5)



1. In a telephone system, a telephone line, a power transmission line, a carrier terminal station interconnecting said lines, a plurality of telephone subscriber stations connected to said power line, said carrier terminal station comprising a carrier current transmitter for transmitting over the power line carrier current of a first frequency, a first carrier receiver for receiving over the power line carrier current of a second frequency and a second carrier receiver for receiving over the power line carrier current of said first frequency and carrier current of a third frequency, each of said subscriber stations comprising carrier current transmitting and receiving means arranged to selectively transmit over the power line carrier current of said second or said third frequencies and to receive over the power line carrier current of all of said carrier frequencies, means at said carrier terminal station for energizing the carrier transmitter thereat responsive to carrier current of said second frequency incoming over said power line, and means at said carrier terminal station operatively responsive to the beat between the carrier current of said first frequency transmitted by the carrier transmitter at said carrier terminal station and the carrier current of said third frequency received over the power line from the calling station on a reverting call for disabling the carrier transmitter at the carrier terminal station.

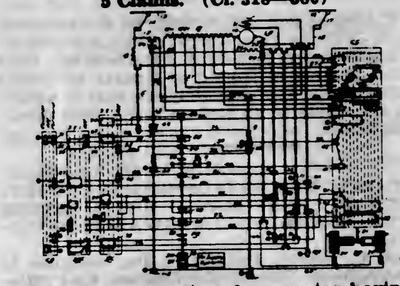
2,484,212
MAGNET COIL
Ralph E. Ferris, Pittsburgh, and John R. Shirley, Saltsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1945, Serial No. 606,064
2 Claims. (Cl. 175—21)

1. A magnet coil comprising a plurality of turns of wire of a predetermined diameter, a length of fusible wire made of the same material and being of a smaller diameter than the first-named wire, said smaller wire being disposed on the outside of the larger wire and connected to the larger wire to constitute part of the coil winding, one end of the smaller wire being lapped back on itself and



twisted to one end of the larger wire to form a joint therebetween, and a layer of fireproof insulation disposed between the smaller and the larger wires and overlapping the joint between said wires.

2,484,213
CONTROL SYSTEM
Edward B. Fitzgerald, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 18, 1945, Serial No. 611,398
5 Claims. (Cl. 318—380)

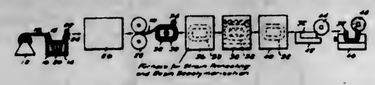


1. In a control system for a motor having an armature winding and a series field winding, in combination, switching means for establishing dynamic braking connections for the motor, said connections including a circuit for separately exciting the motor field winding, fluid-pressure actuated means for causing the operation of said switching means to establish said dynamic braking connections when the fluid pressure drops below a predetermined amount, signalling means controlled by said fluid-pressure actuated means, control means controlled by said fluid-pressure actuated means for disconnecting the separate excitation circuit after the dynamic braking connections have been established, and relay means responsive to the dynamic braking current for also controlling the operation of said control means.

2,484,214
METHOD OF MAKING MAGNETIC CORES
James G. Ford, Sharon, and Fritz J. Nagel, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1945, Serial No. 635,372
4 Claims. (Cl. 154—80)

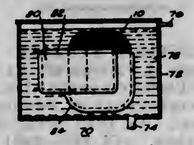
1. In the process of producing a magnetic core with a predetermined space factor, the steps comprising applying to a surface of magnetic sheet material a coating of a predetermined thickness of a polyester of acrylic acid selected from the group consisting of the methyl, ethyl, propyl and

butyl polyesters, capable of being depolymerized and evaporated without the formation of significant amounts of carbon by heating at a given temperature of 350° C. and higher, forming the



coated sheet material into a core and heating the core at the given temperature to depolymerize and evaporate the polyester, thereby producing a core with the predetermined space factor.

2,484,215
SYNTHETIC RESIN COMPOSITIONS
Newton C. Foster, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1946, Serial No. 694,127
13 Claims. (Cl. 260—22)



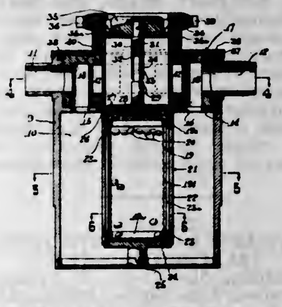
1. A composition comprising, in combination, from 10 to 186 parts by weight of liquid monostyrene and 100 parts by weight of the acid half ester reaction product of from 2 to 4 parts by weight of castor oil and approximately one part by weight of an anhydride of an olefinic alpha, beta dicarboxylic acid.

2,484,216
SYNTHETIC RESINS COMPRISING COPOLYMERS OF UNSATURATED METAL ESTERS WITH LIQUID POLYMERIZABLE MONOMERS
Newton C. Foster, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 22, 1948, Serial No. 28,737
4 Claims. (Cl. 260—78.5)

1. A resinous material comprising the reaction product derived by heating 1 mole of zinc isopropyl maleate with between 1 and 8 moles of styrene.

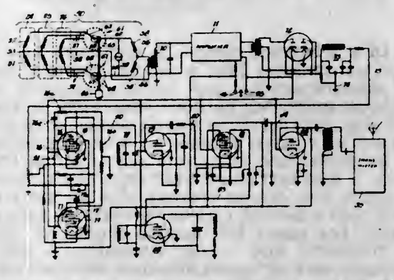
2,484,217
GAS FLOW APPARATUS
Clyde B. Gardenier, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 28, 1946, Serial No. 650,778
10 Claims. (Cl. 128—191)

1. A respiratory apparatus having a closed passageway for the respiratory gases and comprising a device provided with a testing chamber, means associated with said device for measuring the percentage of carbon dioxide in the gases within said chamber, a unitary valve mounted on said device and movable into first and second positions, said valve being adapted to interpose said chamber in said passageway when the valve is in said first position, and said valve comprising means effective when the valve is in said second position to provide a by-pass for said passageway around said chamber and concurrently to seal said chamber closed whereby a sample of the respiratory gases is collected in said chamber for measurement of the percentage carbon dioxide therein by said measuring means, and means controlled by said valve to place said measuring



means into inoperative and operative conditions as said valve is moved into said first and second positions respectively.

2,484,218
APPARATUS FOR TRANSMITTING CHANGES IN GAUGE CONDITIONS
Harvey D. Giffen, El Cajon, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application May 13, 1944, Serial No. 535,481
10 Claims. (Cl. 177—351)

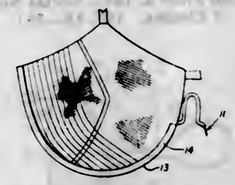


1. An apparatus for producing signals indicating changes in characteristics of remote gauges comprising, in combination, a plurality of gauge devices each acting when operated to vary an electrical property thereof, a bridge circuit having at least one leg thereof open for the connection of a gauge device thereto, means for producing a carrier wave therefor, a high speed switching device operable during continuous movement thereof, successively to connect said gauge devices individually into the bridge circuit to effect modulation of said carrier wave for short periods of time, means acting on the carrier so as to leave a potential changing in proportion to the changes in the gauge device then connected through the switching device, and an oscillator means subjected to said potential to vary the frequency of the oscillations produced thereby.

2,484,219
DETACHABLE FRAME MOUNTING FOR BRASSIÈRES
Jack Glick, Bronx, N. Y., assignor to The Gluckin Corporation, New York, N. Y., a corporation of New York
Application May 22, 1946, Serial No. 671,424
3 Claims. (Cl. 2—42)

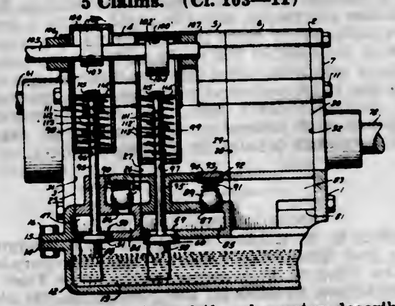
1. In garments having breast covering members with curved edges, means comprising a narrow

fastener strip bordering said curved edges of each of said members, pairs of inter-engaging fastener elements spaced longitudinally of said strips and the bordering edges of said members, said fastener elements, when coupled, forming of the strips continuous channels longitudinally of said edges, a reinforcing frame having curved parts



adapted to be arranged in the channels of said strips, and uncoupling of the fastener elements providing quick opening of the channels for detachment of the frame with respect to the garment.

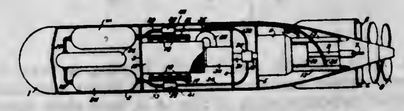
2,484,220
HYDRAULIC TRANSMISSION
Benjamin F. Gregory, Kansas City, Mo., assignor, by mesne assignments, of one-half to Martha Realty Company, a corporation of Missouri
Application June 19, 1943, Serial No. 491,492
5 Claims. (Cl. 103—11)



1. In an apparatus of the character described, a plurality of fluid pressure generators having fluid intake and discharge ports, a common source of fluid supply having separate connections with the intake and discharge ports for each of said generators, duct means having separate ports connected with the respective discharge ports of the fluid pressure generators for conducting the combined effective discharge through said separate ports, check valves controlling said second mentioned ports, a valve controlling flow through each connection between the discharge ports of the fluid pressure generators and the source of supply, and yieldable under discharge of the generators, and means for loading said last named valves in a predetermined order to render said generators effective in the order of loading said valves for maintaining variable pressure in said duct means as the result of the combined effective discharge of the generators into said duct means.

2,484,221
CHEMICAL TYPE POWER PLANT FOR TORPEDO PROPULSION
Earl A. Gulbransen, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1946, Serial No. 679,304
5 Claims. (Cl. 60—50)

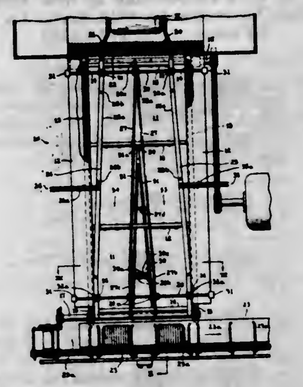
4. A propulsion plant, comprising a steam turbine, a lagged cell for magnesium salt cake and having distributor means for supplying hydrochloric acid, water and hydrogen peroxide, a pressure container for hydrochloric acid connected to said distributor means, at least one other container for water and hydrogen peroxide separately connected to said distributor means, a catalytic cell in communication with said reaction cell and containing a catalyst for promoting hydrogen oxygen reaction, a conduit connecting said catalytic cell with said turbine to supply steam to the latter, a pressure-responsive means disposed in said conduit, and control valves disposed between said reaction cell and said respective containers and connected to said means



to be controlled by the latter in dependence upon steam pressure.

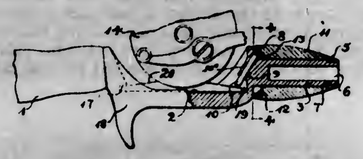
5. The method of producing steam under pressure, which comprises the steps of supplying concentrated hydrochloric acid and separately supplying water and hydrogen peroxide to magnesium salt, passing the vapory and gaseous reaction products over a catalyst for hydrogen oxygen reaction to obtain steam, and controlling the supplied quantities in accordance with the steam pressure.

2,484,222
BREAD LOAF FRACTIONATING APPARATUS
John P. Hauswald, Baltimore, Md.
Application November 5, 1947, Serial No. 784,238
8 Claims. (Cl. 198—30)



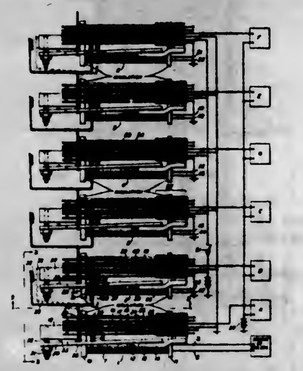
1. Bread-loaf fractionating apparatus, including table means adapted for supporting a plurality of bread-loaves for sliding movement, bread-loaf separator guide means adjacent to the top of said table means and forming diverging paths with the same for separate fractions of bread, and bread pusher means suited for movement along said table means and having relatively movable bread pusher face elements for separation one from another substantially to the diverging course of the bread along the lengths of said paths.

2,484,223
FISHING ROD HANDLE
William Miller Henshaw, London, Ontario, Canada
Application May 22, 1945, Serial No. 595,156
In Canada March 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1964
5 Claims. (Cl. 43—22)



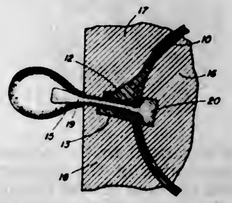
1. In a fishing rod handle having a seat for a reel saddle and means forming front and back slots at opposite ends of the seat, said slots opening toward each other and adapted to receive the front and back lips respectively of a reel saddle, means for locking a reel saddle on the seat including a pin movable upwardly and downwardly in a hole in the front slot-forming means, the hole opening down into the forward slot so that the pin is adapted to engage the front lip of the reel saddle, and means on the forward portion of the handle separate from the pin for forcing said pin into locking position in engagement with the forward lip of a reel saddle on the seat, said last mentioned means being movable into a position permitting free up and down movement of the pin.

2,484,224
ELECTROMAGNETIC RELAY MECHANISM
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 23, 1946, Serial No. 711,913
8 Claims. (Cl. 177—353)



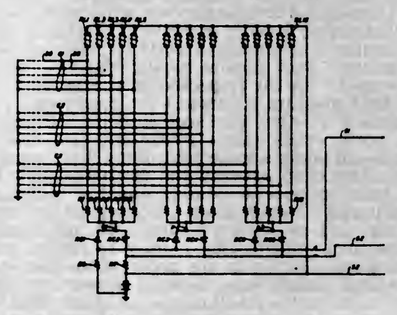
8. A first electromagnetic structure including a first armature, a second electromagnetic structure including a second armature and a magnetizable core for actuating said second armature and a coil for energizing said core and a coil current circuit and contacts serially included in said circuit and controlled by said second armature, and mechanical means mechanically actuated by said first armature and magnetically influenced by said core for controlling said contacts in cooperation with said second armature.

2,484,225
METHOD OF INCORPORATING LIGHT SEALING MATERIAL IN FILM CARTRIDGE DURING MOLDING
Henry Alfred Herzig, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 6, 1947, Serial No. 752,890
2 Claims. (Cl. 18—59)



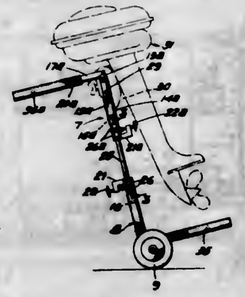
1. A method of incorporating light excluding material at the film slot of a film cartridge during molding which includes the steps of folding a loop of light excluding plush fabric about a supporting mandrel, inserting the mandrel and fabric in a mold in such position that the said fabric will separate the two opposed inner faces of a molded film slot, then introducing a fluid molding compound into the mold under a pressure sufficient to force the compound into a portion of the back of the plush material thereby to form a retaining bond between the molded slot and the light excluding material, then removing the cartridge from the mold and supporting mandrel and trimming that excess of fabric which extends beyond the film slot.

2,484,226
INDICATING CIRCUIT
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1947, Serial No. 780,348
6 Claims. (Cl. 177—353)



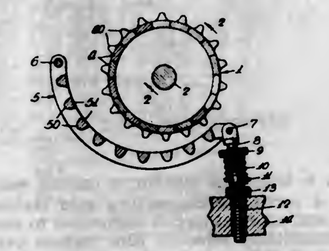
1. A circuit comprising in combination a plurality of energizable conductors, rectifiers connected thereto, resistors connected to said rectifiers, first electronic devices responsive to the potentials at said rectifiers when said conductors are energized, gas discharge devices responsive to said first electronic devices, and second electronic devices responsive to said gas discharge devices for producing a signal when the number of said conductors energized is greater or less than a predetermined number.

2,484,227
BOAT SEAT FORMING HAND TRUCK FOR HANDLING OUTBOARD MOTORS
Ernest J. Houk, Los Angeles, and Leonard A. Strottner, Inglewood, Calif.
Application April 15, 1948, Serial No. 21,154
10 Claims. (Cl. 280—35)



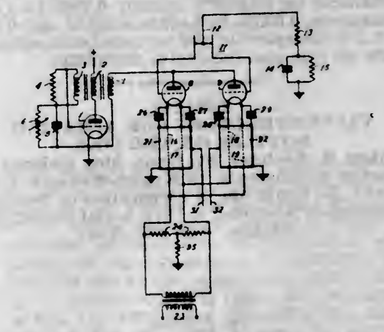
1. A hand operable motor truck comprising an L-shaped upper unit and an L-shaped lower unit, each of said units comprising a frame having an L-shaped member at each side, a foraminated sheet metal plate bridging the space between the arms forming the L-shaped members of each of said units whereby each unit is provided with a seat structure and a back rest structure, means spanning a space between said units and detachably connected to each of them to complete the truck, each of said units when detached from the other being securable to a backless boat seat to provide a seat having a back rest portion, and means carried by each unit for detachably securing it to said boat seat when one unit is detached from the other.

2,484,228
CORN SHELLING MACHINE WITH ADJUSTABLE CONCAVE
Rudolf Issay, Caviana, Brazil
Application May 4, 1945, Serial No. 591,871
In Brazil December 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 13, 1963
2 Claims. (Cl. 130—6)



1. A corn shelling machine comprising, in combination, only two shelling members, viz. a rotatable toothed cylinder with a surface concentric to its axis and a slotted basket arranged eccentric to said cylinder, surrounding the greater part of the lower half thereof but terminating substantially below said axis and formed by a plurality of bars arranged in distance from each other, the inner surface of said basket being formed by flat surfaces of said bars tangential to said inner surface, a stationary axle serving as a support and fulcrum for one longitudinal end edge of said basket, and yielding means adapted to urge the other longitudinal end edge of said basket towards said toothed cylinder, said axle being located substantially at the level of the axis of said cylinder and said yielding means being arranged below said basket and substantially vertical and tangential to said cylinder.

2,484,229
PULSED OSCILLATOR
Hagan L. Jackson, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1946, Serial No. 676,908
3 Claims. (Cl. 250—36)



1. In combination with an electron tube having an anode, a grounded cathode and a control electrode, means for impressing on the anode circuit of said tube pulses of positive voltage, and means for connecting said control electrode to ground through a network consisting of a resistor serially connected with a capacitor which is shunted by a second resistor.

2,484,230
PLANE-LANDING CATAPULT
Maurice F. Jones, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1947, Serial No. 733,286
13 Claims. (Cl. 244—63)



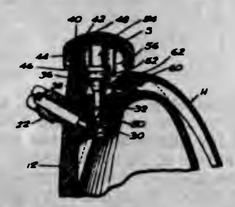
1. A plane-landing catapult-assembly for reducing the length of the landing-run of an airplane which is landing at a landing-field, said catapult-assembly comprising: a self-propelled, electrically energized car, initially standing at a predetermined starting-point in the field; accelerating-means, including an electrical energy-source and control-means, for providing an automatically controlled electrical accelerating-energization for the car; means for presetting the accelerating-operation; decelerating-means, including an electrical energy-source and control-means, for providing an electrical decelerating-energization for the car; plane-detecting means, back of said starting-point in the field, for detecting the landing-approach of a plane at a predetermined detection-point back of said starting-point; means responsive to said plane-detecting

means for automatically initiating said accelerating-operation; shock-absorbing coupling-means for cushioning the overtaking-contact of the plane with the accelerated car on the landing-field; and means for initiating the decelerating-operation.

2,484,231
FREE CUTTING BESSEMER STEEL
Frank T. Kent, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 19, 1946, Serial No. 704,527
4 Claims. (Cl. 75—123)

1. A non-rimmed free cutting Bessemer steel containing up to 0.06% carbon, 0.70% to 1.60% manganese, 0.075% to 0.400% sulphur and 0.07% to 0.15% phosphorus, the balance being substantially all iron and incidental impurities.

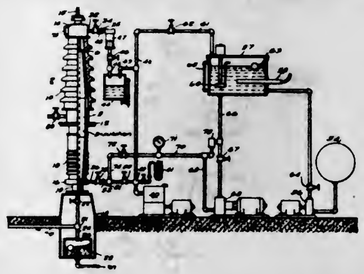
2,484,232
VALVE STRUCTURE FOR AERATING BOTTLES OR THE LIKE
William B. Kochner, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application November 8, 1944, Serial No. 562,554
3 Claims. (Cl. 251—134)



3. For use with a body member having a passageway therethrough, a valve seat interposed in said passageway, a bore aligned with said valve seat, a second bore forming a continuation of said first bore and a shoulder between said bores; a valve and operating assembly comprising a combined valve plug and gasket element having a plug at one end, a gasket ring at its other end, and a flexible tubular wall connecting said ends together, a sleeve for engaging said gasket ring, a closure nut threaded in relation to said body member and engaging said sleeve to effect abutment of said gasket ring against said shoulder, slots in one side of said body member and said sleeve, said slots being open at the top, an enlargement on said stem within said sleeve, a spring interposed between said closure element and said enlargement, and a hand lever member having a cupped end interposed between said enlargement and said combined valve plug and gasket element to retract said stem for opening said valve, one of said members having a notch and the other member having a pivot projection received therein, said cupped end receiving said enlargement to normally retain said pivot projection in said notch.

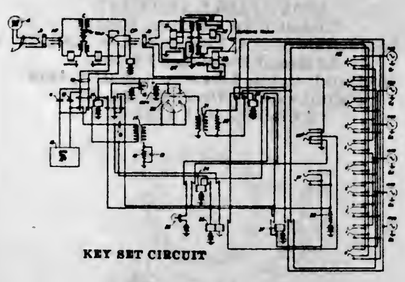
2,484,233
HIGH-VOLTAGE BUSHING
Harry J. Lingal, Wilkinsburg, and Thomas R. Watts, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1943, Serial No. 488,634
2 Claims. (Cl. 174—31)

1. In a high-tension electrical insulator of the bushing type in which a hollow conductor surrounded by an insulating wrapping is sealed in a tubular casing of dielectric material having a sealable outlet opening at each end thereof, the method of processing such bushing after assembly thereof including the steps of introducing steam into said hollow conductor to dry said



wrapping, degassing said casing and wrapping by a vacuum applied to said outlet openings, shutting off said vacuum and introducing oil under pressure through one of said openings to completely fill said casing, maintaining said pressure until said wrapping is completely oil impregnated, and then sealing said openings.

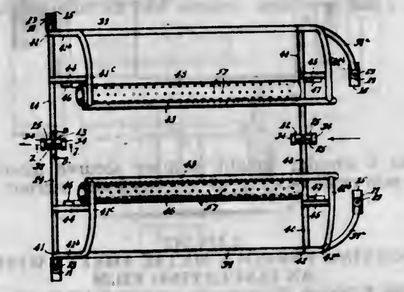
2,484,234
TELEPHONE SYSTEM ARRANGED FOR VOICE FREQUENCY SIGNALING
Burton McKim, East Orange, N. J., and Josiah L. Merrill, Jr., Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1946, Serial No. 718,674
3 Claims. (Cl. 179—84)



KEY SET CIRCUIT

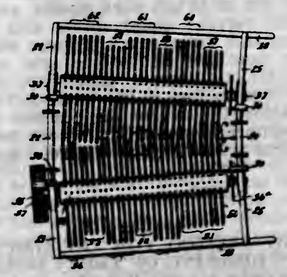
1. In a telephone system, a calling station, a trunk, a cord interconnecting said station and trunk, and a keyset circuit connected to said cord for transmitting selective tone signals over said trunk, each different signal consisting of a different combination of tones, said keyset circuit comprising a plurality of tone sources, means for selecting the sources of tone required for transmitting each different selective signal, and amplifier means for transmitting signaling current from the selected tone sources through said cord to said trunk, the output circuit of said amplifier being of low enough impedance with respect to speech currents from said calling station as to prevent signal interference due to speech current from said calling station while a signal is being transmitted.

2,484,235
INCLINED DRUM POULTRY PICKER
Ezra B. Mead, Ottumwa, Iowa, assignor to Barker Poultry Equipment Co., Ottumwa, Iowa, a corporation of Iowa
Application December 14, 1945, Serial No. 634,962
9 Claims. (Cl. 17—11.1)



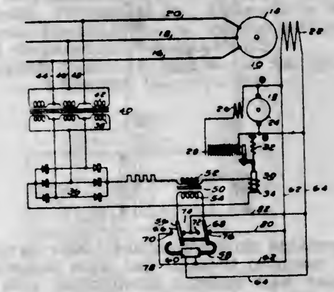
2. In a poultry picker, a pair of inclined substantially parallel drums having resilient fingers, a frame structure for mounting the drums for adjusting them toward and from each other, said frame structure including frame elements for supporting the respective drums, and supporting legs at the rear and front of the frame structure, said legs having vertical lengthwise adjustment and being mounted for limited tilting, said frame structure being provided with means for pivotally interconnecting the frame elements respectively at the front and rear of the picker below the level of the travel of the birds for picking, and a supporting leg below one of the pivots for supporting the frame structure.

2,484,236
POULTRY PICKER WITH VARIABLE LENGTH FINGERS
Ezra B. Mead, Ottumwa, Iowa, assignor to Barker Poultry Equipment Co., Ottumwa, Iowa, a corporation of Iowa
Application December 14, 1945, Serial No. 634,963
6 Claims. (Cl. 17—11.1)



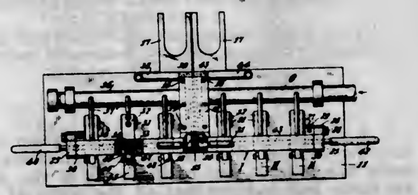
1. In a poultry picker, a pair of picker drums, means for supporting the drums adjacent each other so that birds may be passed between the drums for picking, said drums being inclined with relation to each other and having resilient picking fingers, the fingers on certain sections of each drum being shorter than the fingers on other sections, certain of the long fingers on one drum being opposite to certain short fingers on the other drum, said supporting means having relative vertical adjustment for the respective drums.

2,484,237
REGULATING SYSTEM
John D. Miner, Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1946, Serial No. 694,059
6 Claims. (Cl. 322—19)



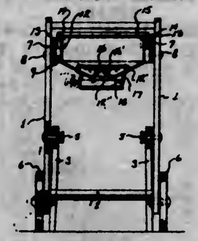
1. In a regulating system for regulating the voltage of an alternating-current generator, in combination, an exciter for supplying the field excitation of the generator, means disposed to be energized for operation in accordance with the voltage of the generator for controlling the excitation of the exciter, a damping circuit connected in circuit relation with the energized means and the exciter for modifying the energization of the energized means in accordance with the rate of change of the exciter voltage, and means responsive to the polarity of the exciter disposed for operation to insure correct phasing of the damping circuit with respect to the energized means to prevent hunting.

2,484,238
INDUCTION HEATING APPARATUS
Patrick F. Molloy, Long Island, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York
Application September 6, 1945, Serial No. 614,650
2 Claims. (Cl. 219—47)



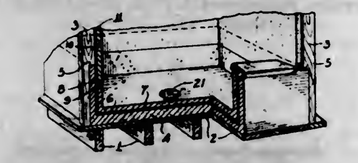
2. In high frequency induction heating apparatus, an inductor comprising a pair of elongated inductor portions normally positioned to extend horizontally in closely spaced relation one above the other, the adjacent faces thereof being shaped to form a plurality of transverse openings therebetween for receiving work pieces, pivotal connection means interconnecting said portions adjacent their ends, the axis of said pivotal means being generally parallel to the inductor portions and offset rearwardly of the lower portion to permit the upper portion to be swung back with respect to the lower portion to freely expose said adjacent faces at the openings to facilitate insertion of work pieces, and means for connecting said portions in series with a source of high frequency current.

2,484,239
GARDEN GRILL
Richard H. Moen and Robert W. Moen, Milwaukee, Wis.
Application August 16, 1946, Serial No. 690,947
1 Claim. (Cl. 126—25)



In a portable stove supporting frame having a fire box mounted therein, the same comprising rectangular wall sections terminating with inwardly inclined wall sections the ends of which form a rectangular air opening, a grating plate secured to the inclined wall sections above the air opening, a flange apron extending downwardly from the inclined walls about the air opening, an ash receiving drawer mounted upon the apron flanges, a grid mounted upon the top edge of the fire box, and an inverted U shaped centrally disposed deflector plate secured to the grating plate having its lower ends in juxtaposition and spaced from the edges of the air intake opening of said fire pot to provide the incoming air for combustion, thereby providing distribution of the air to the grate, whereby ashes are deflected in the pan in separate mounds to develop a clear channel for air into the fire box.

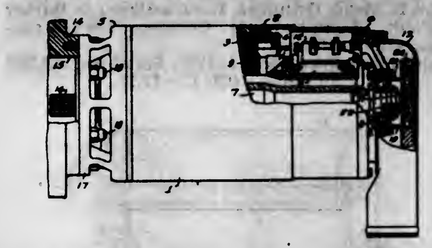
2,484,240
SHOWER PAN CONSTRUCTION
Glenn A. Merthland, Los Angeles, Calif.
Application October 7, 1944, Serial No. 557,678
6 Claims. (Cl. 4—146)



1. A composite shower pan for a shower stall forming a floor therefor, which comprises an outer box independent of the walls of the stall, an inner box independent of the walls of the stall and adapted to be joined thereto, a water impermeable diaphragm between said boxes, said boxes and diaphragm having a drain hole therethrough, and a drain fixture disposed in said hole.

2,484,241
VIBRATION DAMPER FOR DYNAMO-ELECTRIC MACHINES
Joseph E. Mulheim, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1947, Serial No. 788,585
9 Claims. (Cl. 171—209)

1. A dynamoelectric machine having mounting means at one end for mounting the machine on a supporting structure, a circular disc-shaped element of resilient material secured on a stationary part of the machine at the other end thereof,



and a circular weight member secured directly to said resilient element concentrically thereof.

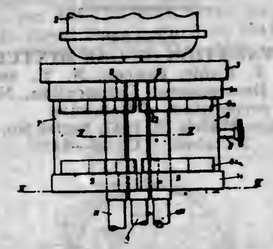
2,484,242
COATING FERROUS METAL SHEETS WITH AN INSULATING FILM
Fritz J. Nagel, Homewood, and Clifford C. Horstman, Sharpsville, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1946, Serial No. 659,415
4 Claims. (Cl. 148—6.16)



2. In the process of treating ferrous metal sheets to provide on the surfaces thereof a tenaciously adherent film possessing high ohmic resistance, the steps comprising applying to the surfaces of the sheets a coating composition composed of from 5 to 60 parts by weight of phosphoric acid, from about 1 to 65 parts by weight of the tetraethyl silicate, and 100 parts by weight of a solvent, the solvent composed of water and a compatible simple aliphatic alcohol, the alcohol being at least half the weight of the water, the water being present in an amount sufficient to hydrolyze the tetraethyl silicate, the composition being applied in an amount of from 1 to 10 gallons per ton of 13 mil thick sheets, and heat-treating the ferrous metal sheets and applied composition at a temperature of from 300° C. to 950° C. to react the phosphoric acid with the ferrous metal, to liberate microscopically fine silica by decomposition of the tetraethyl silicate, and to volatilize the solvent, the reaction product of the phosphoric acid and the ferrous metal and the fine silica producing the adherent insulating coating.

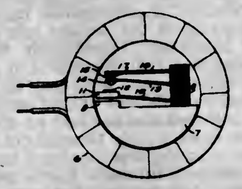
2,484,243
DRILLING MACHINE FOR THE SIMULTANEOUS DRILLING OF THREE HOLES
Robert Alexander Nielsen, Copenhagen, Denmark
Substituted for abandoned application Serial No. 649,626, February 23, 1946. This application February 26, 1948, Serial No. 10,296. In Denmark November 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1964
1 Claim. (Cl. 77—24)

In a drilling machine for the simultaneous drilling of three holes, the combination with a frame of a carrier member, two interspaced upright walls attached to the carrier member, a central drill spindle carried through holes in the said walls, two slides displaceable in opposite directions between the said walls, vertical plates projecting from each of the said slides, a drill spindle carried through holes in each slide plate and through elongated apertures in the adjacent upright walls of the carrier member at either side of the central spindle, a plurality of ball bearings attached to each upright wall of the carrier member and encircling the central drill spindle, a



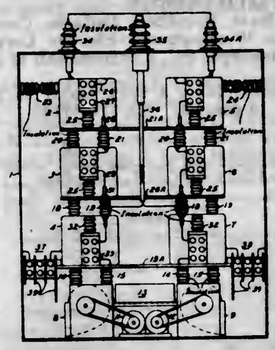
plurality of ball bearings attached to each vertical plate of the slides and encircling the lateral drill spindle carried therethrough, means for attaching the inner race of each ball bearing to the supporting member in question so that the outer ball bearing race bears upon the surface of the spindle in question, means for displacing the slides in relation to each other, a driving motor, and means for transmitting motive force from the motor to the spindles.

2,484,244
MOTOR CONTROL RELAY
Edward Pearson, Bradford, England, assignor to The English Electric Company, Limited, London, England, a company of Great Britain
Application October 7, 1946, Serial No. 701,727
In Great Britain October 22, 1945
3 Claims. (Cl. 200—88)



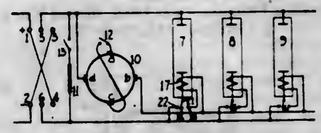
2. A control device for a single-phase induction motor, said control device comprising a coil adapted to carry the motor current, a generally segmental magnetizable core member disposed entirely within the coil, a movable armature member, a spring member mounted on the core member for supporting the armature member within the coil adjacent said core member, said armature member and core member having opposed surfaces which are substantially parallel to the axis of the coil, whereby a repulsive force exists between them when the coil is energized, said spring member opposing movement of the armature member away from the core member, a movable contact carried by the armature member, a support member mounted on the core member adjacent the spring member, a second contact carried by said support member in position to be engaged by the movable contact when the armature member moves away from the core member, other contact means electrically connected in series with the second contact, and thermally-responsive means mounted on the core member within the coil for actuating said other contact means in response to heating above a predetermined temperature.

2,484,245
RECTIFIER
Wesley W. Pendleton, Lee J. Berberich, and Irving R. Smith, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1944, Serial No. 552,140
3 Claims. (Cl. 175—366)



1. In combination with a rectifier bridge, each arm of said bridge comprising a plurality of serially connected rectifier units, enclosing chambers of conducting material for each said rectifier unit except the end units adjacent one corner of said bridge, each said chamber being connected to one terminal of the rectifier unit it contains and a housing enclosing said bridge connected to said bridge at said one corner, terminals for a direct current circuit at said one corner and the corner of said bridge diagonally opposite thereto, and terminals for an alternating current circuit connected to the two other corners of said bridge.

2,484,246
FLUORESCENT LAMP FED BY DIRECT CURRENT
Joseph Maximus Pestarini, Staten Island, N. Y.
Application November 20, 1946, Serial No. 710,975
7 Claims. (Cl. 315—167)



1. In an electric lighting system, the combination of a direct current network, of a fluorescent lamp comprising electrodes and an ionized column between said electrodes, and a transverse reaction machine provided with primary and secondary pairs of brushes, means for connecting the electrodes of said fluorescent lamp to the secondary brushes of said transverse reaction machine whereby a peak voltage is applied between said electrodes during the ignition period of the ionized column, means for controlling the intensity of the current supplied by said transverse reaction machine to the lamp comprising a stator winding having its magnetic axis substantially coinciding with the commutating axis of

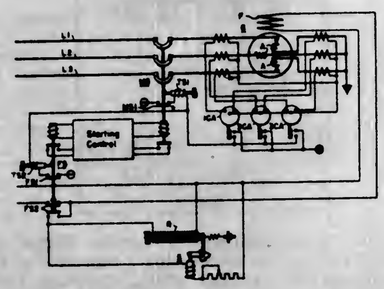
said secondary brushes and set to cause said supplied current to be substantially equal to the current necessary for normal operation of said lamp whereby the peak of voltage induced between said electrodes drops to the normal operating voltage of the lamp at the termination of said ignition period and means for connecting the lamp to said network at the termination of said ignition period.

2,484,247

MEANS TO OPEN GENERATOR FIELD CIRCUIT AND TO DISSIPATE STORED MAGNETIC FIELD ENERGY

Elmer G. Rats, Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 8, 1945, Serial No. 621,077
11 Claims. (Cl. 171—118)



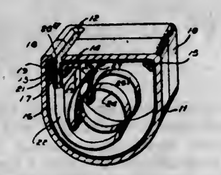
1. In combination, a generator having armature windings adapted for connection to a load and a field winding for exciting the generator, a field discharge circuit for said generator field winding including resistance means, switching means for connecting said discharge circuit to said field winding, and electromagnetic means responsive to the voltage of the generator field winding when connected with the field discharge circuit for increasing the resistance of said resistance means as said voltage decreases.

2,484,248

FILM CARTRIDGE

Bruno C. Roehrl, Erie, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application February 12, 1946, Serial No. 647,175
5 Claims. (Cl. 242—71)



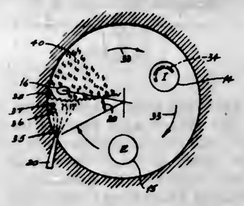
1. A film cartridge of the type adapted to have film pulled from or pushed into a coil enclosed therein, having in combination a molded, plastic, two-part shell, a liner and a spring film guide member, the said shell being formed of opposed parts having an interconnecting joint adjacent the center of the cartridge, and further having at either end integrally formed projections, one said projection having wrapped thereabout one end of the said liner and the spring film guide member, another of said projections at the opposite side of the shell serving to maintain the liner in position adjacent the shell wall, and the third of said projections having the liner passing thereabout, the said first and third projections being closely adjacent so that the opposite ends of the liner are held in spaced parallel relationship to support light-sealing and film-protecting material adhered thereto.

2,484,249

PREPARATION OF GAS MIXTURES

Raymond J. Ruble, Beacon, N. Y., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application March 19, 1947, Serial No. 735,597
3 Claims. (Cl. 48—212)



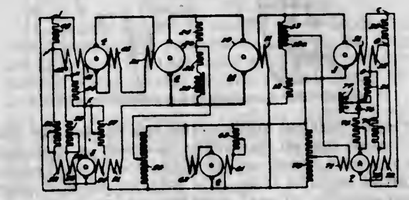
1. The method of preparing a mixture of hydrogen and carbon monoxide by the partial combustion of reactants comprising an oxygen-containing gas and a hydrocarbon in an internal combustion engine having a power cylinder providing a combustion space, which comprises introducing one of the said reactants into the said power cylinder combustion space, compressing said reactant therein, injecting prior to top dead center of the compression stroke, the second reactant into a localized portion of said compressed first reactant within the said combustion space at a temperature and pressure such that at least a portion thereof forms with the localized portion of the first reactant a combustible mixture with only a short travel of the second reactant from the locus of injection, immediately electrically igniting the localized first increment of combustible hydrocarbon-oxygen mixture as soon as formed and before sufficient of said second reactant has been injected and has had an opportunity to disseminate more widely throughout the combustion space, whereby the localized combustible hydrocarbon-oxygen mixture burns and establishes a flame front traveling with respect to the first reactant within the combustion space and which is confined on the rear side by resulting reaction products, and on the front side by a layer of incombustible gas, and continuing the injection of the second reactant into a narrow zone of the combustion space containing compressed first reactant shortly in advance of the flame front in its direction of movement, while moving the compressed first reactant and locus of second reactant injection relative to each other in an orderly manner to progressively form additional localized portions of combustible hydrocarbon-oxygen mixture, immediately in advance of the traveling flame front so that they are ignited by said flame front and burned substantially as soon as formed, while maintaining the said confining layer of combustion products at the rear and the confining layer of incombustible gas at the front, regulating the relative rate of introduction of said reactants to the internal combustion engine such that the atomic ratio of oxygen to carbon in the total feed is in the range of about 1:1 to about 1.3:1, so that the hydrocarbon is converted substantially completely into hydrogen and carbon monoxide, and recovering the products of reaction so produced.

2,484,250

GENERATOR FED MOTOR CONTROL SYSTEM

Norman Harry Shaw, Stafford, England, assignor to The English Electric Company, Limited, London, England, a British company

Application April 21, 1948, Serial No. 22,353
In Great Britain April 24, 1947
9 Claims. (Cl. 318—142)
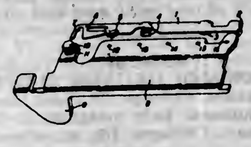


1. In a system of control for controlling the speed of a direct-current motor, in combination, a direct-current motor excited at a substantially constant value, a generator having a field winding, said generator being coupled to supply voltage to the motor, an exciter for the field winding of the generator, said exciter having a field divided into two sections, one section being in one leg of a bridge circuit and the other in another leg of the bridge circuit, a pair of constant resistance resistors, each having a resistance value equal to that of one of the sections, disposed in the other two opposite legs of the bridge circuit, an amplifying exciter connected to two opposite junctions of the bridge circuit for energizing said sections, a field winding on the amplifying exciter providing a component of excitation to the said field winding sections that is a function of the resistance change of the sections with changes in temperature of the sections, and a field winding for the amplifying exciter, interconnected with the circuit between the motor and generator, that automatically changes its excitation as a function of the rate of change of the voltage of the generator.

2,484,251

WEAR ADJUSTING SHIM FOR A RELAY

Harry B. Smith, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 12, 1946, Serial No. 661,496
1 Claim. (Cl. 200—104)



An electromagnetic relay comprising an armature, an extension thereof having a working surface, insulating members with worn ends thereof resting on said surface, said worn ends adapted to be actuated by said armature extension, pairs of fixed and movable contacts, said movable contacts arranged to be actuated by said members to make closure with said fixed contacts, said members failing to cause such closure because of lost motion of said member due to said worn ends, and a shim comprising a thin plate having integral thereto spring clip means along its length and an end thereof provided with an aperture, whereby said plate may be fastened to the aforementioned armature extension surface and interposed between said surface and the worn ends of the insulating members previously resting on said surface to compensate for said lost motion to thereby insure complete closure of said fixed and movable contacts, the spring clips on said plate adapted to clamp same to an edge of said armature extension and the aperture on one end of said plate adapted to accommodate a clamping screw therefor attached to the armature.

2,484,252

ASYMMETRICAL CONDUCTOR

George O. Smith, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 7, 1944, Serial No. 562,314
5 Claims. (Cl. 175—366)



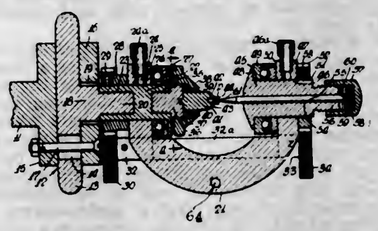
1. An asymmetrical conducting device comprising a metallic body having an integral layer of an oxide of said body thereon, said body consisting of copper containing small amounts of lead, a halogen, and sulphur.

2,484,253

GIRDLE FINISHING DEVICE

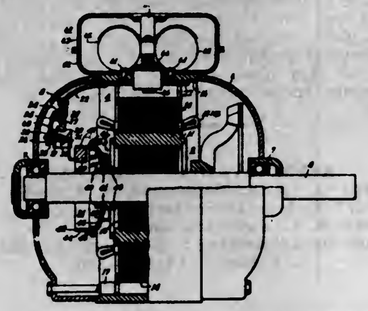
Josef H. Spira, New York, N. Y.

Application March 16, 1946, Serial No. 654,940
13 Claims. (Cl. 51—229)



1. In a diamond cutter's lathe for carrying out the bruting operation having a chuck holding a chuck spindle for adjustment eccentrically for bruting the girdle forming portion of diamond stock, comprising a pavilion portion and a table forming face, said spindle having means for mounting a bruting dop for rotation at bruting speeds, a bruting dop on said spindle having a seat formed to engage the pavilion portion of the diamond, the combination therewith of a counter-pressure pin having an end for engaging the face of the diamond during rotation, said pin being carried by an arm journalled concentrically with said chuck spindle and mounted to move in synchronism with the chuck spindle in the adjustment of the chuck spindle in relation to the fixed axis of the chuck, and means for positively driving said counter-pressure pin and bruting dop in synchronism and means for feeding the counter-pressure pin toward the dop to hold the diamond under pressure on the dop.

2,484,254
CENTRIFUGAL SWITCH FOR SINGLE-PHASE MOTORS
Joseph M. Stein, Buffalo, and John R. Greenemeyer, Eggertsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1947, Serial No. 771,042
6 Claims. (Cl. 200—80)

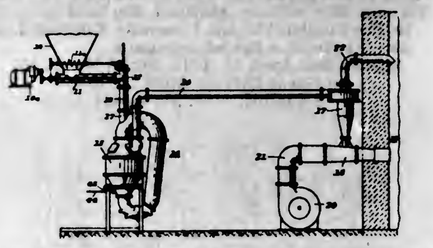


1. A centrifugal-switch device for operating in response to the speed of a rotating shaft, comprising a pivoted contact-making-and-breaking switch, a stationarily supported mounting-bar for pivotally supporting said switch, said switch having spring-means for biasing it toward its open position and having an operating-handle which is movable toward and away from said shaft, the switch being open when the handle is away from the shaft, and a radially expansible centrifugal device carried by the shaft and having, in effect, an expansible and contractible annular member which surrounds said handle and closes said switch in the contracted condition of said member, said member being in its expanded condition in its centrifugally responsive state and being out of contact with said handle in this state.

6. A radially expansible centrifugal device for operating in response to the speed of a rotating shaft, comprising a hub mounted on the shaft, a plurality of bent segmental devices each having a nearly radially extending rear end pivotally engaging the hub, each having a nearly cylindrical-segmental front end, and each further having outwardly-projecting garter-spring-retaining tabs on a rear part of its cylindrical-segmental front end, and a garter-spring encircling all of the segmental devices in a position retained by said tabs, said segmental devices being closely spaced from each other, and their front ends making a substantially complete, approximately cylindrical annular member, in the non-responsive state of the device, and said front ends being outwardly movable in the centrifugally responsive state of the device.

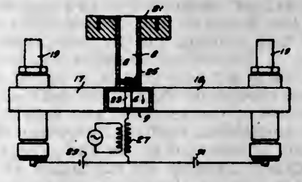
2,484,255
VORTICAL GASEOUS-FLUID TYPE CLASSIFIER FOR PULVERIZED SOLID PARTICLES
William A. Thomas, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application February 15, 1946, Serial No. 647,670
6 Claims. (Cl. 209—144)

1. In combination, a classifier for separating particles of granular material adapted to be connected in closed-circuit relation with an impact pulverizer of the endless-passage type delivering downwardly therefrom a stream of gas entraining particles of various sizes, said classifier comprising a housing converging toward its upper and lower ends, said ends being connected to points spaced apart along the pulverizer and forming a portion of said endless passage, a downwardly flaring spreader cone in the upper portion of the housing adjacent the gaseous fluid inlet thereto, a skirt depending from the cone,



a series of vertical guide vanes spaced around the skirt and spaced inwardly thereof, a passage between said vanes and the interior of said cone, an outlet leading from said interior of said cone to the exterior of said housing, and a hopper in the lower portion of said housing and below said guide vanes for returning oversize particles to the pulverizer.

2,484,256
MODULATOR
Sam G. Vaughan, Harlingen, Tex., Eugene F. Grant, Arlington, Mass., and William Altar and Marcus W. Dodd, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 2, 1948, Serial No. 18,686
18 Claims. (Cl. 332—56)



1. In combination, a wave guide having a group of four branches, means for supplying high frequency oscillations to the first of said group, means for varying the impedance of the second and the third of said groups, the impedance variation of said second counteracting the impedance variation of said third so that the impedance looking into said first remains unchanged while the impedances of said second and said third are being changed, and means for coupling the fourth of said group to said first, second and third to derive the net energy produced therefrom.

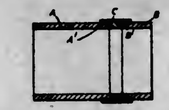
2,484,257
STABILIZATION OF ORGANIC SUBSTANCES
Roger W. Watson, Chicago, Ill., and Clarence M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 28, 1946, Serial No. 657,892
13 Claims. (Cl. 44—74)

1. An oleaginous organic material selected from the group consisting of a hydrocarbon oil and a fatty oil, which is normally susceptible to oxidative deterioration in the presence of a metal and compounds thereof which catalyze said oxidative deterioration, containing an organic dithiooxamide in small but sufficient quantities to suppress the oxidative catalyzing effect of said metal and compounds thereof.

2,484,258
HYDROCARBON CRACKING CATALYST AND PROCESS
Glenn M. Webb, Western Spring, and Reno W. Moehl, Brookfield, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,770
12 Claims. (Cl. 196—52)

11. A process for cracking of hydrocarbon oil which comprises subjecting said oil at cracking conditions to contact with a catalyst prepared by commingling an acid with an alkali metal silicate and dispersing the mixture in the form of droplets into a suspending medium under conditions to form firm silica hydrogel spheres, compositing said spheres with a metal oxide, treating the composite to remove alkali metals, heating the composite to a temperature of from about 700° to about 1300° F., and thereafter suspending the composite in an aqueous solution of ammonium hydroxide at a temperature not in excess of about 300° F.

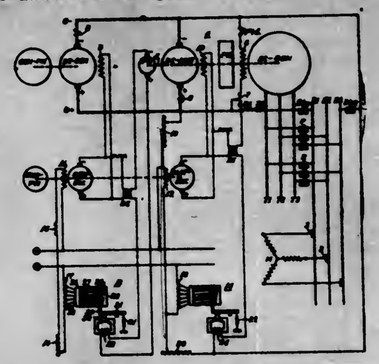
2,484,259
YOKE ASSEMBLY FOR DYNAMOELECTRIC MACHINES
Adam Watson White and Robert John Gilson, Greenford, England, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 29, 1944, Serial No. 565,596
In Great Britain December 24, 1943
1 Claim. (Cl. 171—252)



A yoke assembly for a dynamo electric machine, comprising a pair of yokes having their adjacent ends spaced apart, a spacer between said adjacent ends of said yokes, means on said spacer overlapping and integrally connected to said adjacent ends for mechanically connecting said yokes and spacer into a unitary non-separable structure, said spacer being of non-magnetic material to separate said yokes magnetically.

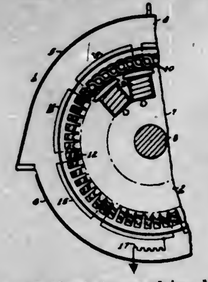
2,484,260
FLYWHEEL MOTOR-GENERATOR CONTROL
Eugene C. Whitney, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1947, Serial No. 730,322
5 Claims. (Cl. 318—150)

1. In combination, a direct-current generator, a direct-current motor constantly connected to said direct-current generator, an output-generator driven by said direct-current motor, said output-generator having a large flywheel-effect, a pilot-generator driven by said direct-current motor, said direct-current generator and said direct-current motor each having a field-winding circuit, including energizing-means therefor, including a regulator-controlled field-resistance, and a separate voltage-regulator for each regulator-controlled resistance, the regulator for the field-winding of the direct-current motor having a biasing means tending to cut out its regulator-controlled resistance and having a voltage-coil energized in response to the voltage supplied by the direct-current generator, and the regulator



for the field-winding of the direct-current generator having a biasing means tending to cut out its regulator-controlled resistance and having a voltage-coil energized in response to the voltage supplied by the pilot-generator.

2,484,261
NEUTRALIZING WINDING FOR DYNAMOELECTRIC MACHINES
Eugene C. Whitney and Ralph Erhard, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1948, Serial No. 8,038
12 Claims. (Cl. 171—252)

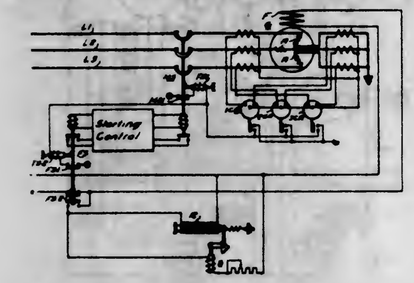


1. A dynamo-electric machine having relatively rotatable armature and field members, a main winding on said armature member, and a closed neutralizing winding on the armature member, said neutralizing winding being disposed to encircle the magnetic circuit of the armature member and to link circumferential flux in the armature member, the neutralizing winding extending continuously in one direction and being distributed around the entire armature member.

2,484,262
CONTROL SYSTEM
James F. Young, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application October 8, 1945, Serial No. 621,077. Divided and this application October 12, 1948, Serial No. 54,034
8 Claims. (Cl. 171—119)

1. In a field discharge system for a dynamo-electric machine having a field winding energized

from a source of electrical energy, the combination of, resistance means for forming a discharge circuit for said field winding, a first switch for connecting and disconnecting said field winding and said source of electrical energy, a second switch for connecting and disconnecting said resistance means across said field winding, operating means for both of said switches for closing



said second switch prior to opening of said first switch, electromagnetic means for decreasing the ohmic value of said resistance means, mechanical biasing means opposing said electromagnetic means for increasing the ohmic value of said resistance means, and circuit means connecting said electromagnetic means to be energized in dependence of the voltage of said field winding.

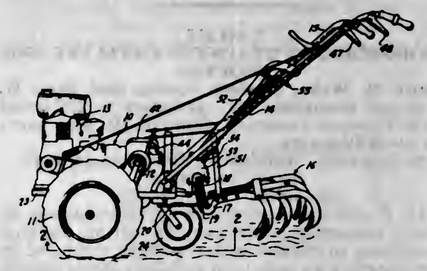
2,484,263
COMBINATION RECEPTACLE MOUNTING AND TIE POST FOR DOGS
Earl B. Atkinson, Bay Village, Ohio
Application September 22, 1948, Serial No. 50,604
6 Claims. (Cl. 119—121)



1. The combination of a feeding or watering receptacle and anchor tie post for pet animals, the receptacle comprising an upwardly opening flaring bowl having a downwardly projecting peg rigidly affixed thereto, the post comprising a straight rod having a pointed lower end, a spool-like member fitted over and rigidly attached to the top of the post and projecting upwardly therefrom to form a socket for receiving the peg to support the receptacle, and a loop member loosely fitted around the body of the spool-like member and providing a space to receive a tether connection.

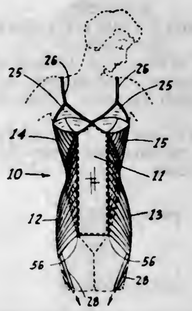
2,484,264
GARDEN TRACTOR EQUIPPED WITH LATERALLY SHIFTABLE EARTH WORKING IMPLEMENT
Edwin H. Barnes, Oak Harbor, Ohio
Application December 17, 1947, Serial No. 792,303
8 Claims. (Cl. 97—48)

1. A power driven tractor, a ground working implement at the rear of the tractor, a hitch connecting said implement and said tractor, means mounting said hitch for lateral shifting movements, a pair of laterally spaced rectilinearly movable members connected at one end respectively to laterally spaced portions of said hitch so that upon movement of each of said members in one direction or the other, the hitch and implement are shifted laterally in one direction or the other, normally inoperative propelling mechanisms for said rectilinearly movable members respectively



deriving power from the tractor, and control devices for selectively rendering operative one or the other propelling mechanism.

2,484,265
CROSS STRETCH FOUNDATION GARMENT
Caroline Brown, New York, N. Y.
Application July 20, 1946, Serial No. 685,090
3 Claims. (Cl. 2—37)

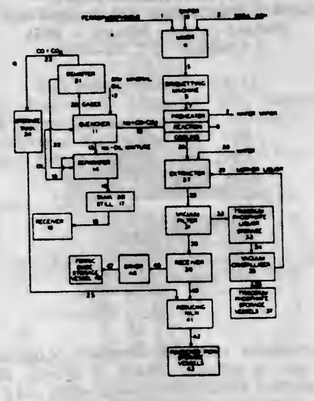


1. A foundation garment of the character described, a front panel of non-stretchable material, the bottom horizontal edge of which is approximately on a line with the groin, a rear elastic member the greater portion of which is below the small of the back, elastic opposed lower side members attached along the entire length of the side edges of said front panel and stretching diagonally downward and around the hips and attached to said rear member, elastic opposed upper side members attached along the entire length of the side edges of said front panel and stretching diagonally upward and around the waist and attached to said rear member, said upper and lower members crossing one another at the sides, and a bra attached to the upper part of said garment.

2,484,266
PRODUCTION OF ALKALI METALS FROM FERROPHOSPHORUS AND ALKALI CARBONATES OR HYDROXIDES
Leon E. Bowe, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application February 25, 1946, Serial No. 650,091
11 Claims. (Cl. 75—66)

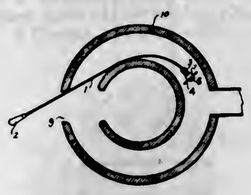
1. The process which comprises reacting at a temperature of about 900° C. to about 1500° C. a

compound selected from the group consisting of carbonates and hydroxides of sodium and potassium with at least the theoretical amount of ferrophosphorus required to yield the corresponding alkali metal and condensing the resulting alkali metal vapor by cooling, said reaction being carried out in a dry inert atmosphere and under an absolute pressure of from about 0.4 mm. to about 50 mm. of mercury.



5. The process which comprises reacting at a temperature of about 900° C. to about 1500° C. a briquetted mixture of sodium carbonate and ferrophosphorus in the proportions calculated to provide a Na_2O/P weight ratio of about 5.1 to about 5.5 and thereby producing metallic sodium, powdered iron and trisodium phosphate and cooling the resulting metallic sodium vapor to at least the sodium condensation temperature to condense said metallic sodium, said reaction being carried out in a dry inert atmosphere and under an absolute pressure of from about 0.4 mm. to about 50 mm. of mercury.

2,484,267
FLUE CLEANING IMPLEMENT WITH BLADE FLEXIBLY CONNECTED TO SHAFT
Joseph E. Bower, Milwaukee, Wis.
Application June 6, 1946, Serial No. 674,893
6 Claims. (Cl. 15—242)



5. In a flue hoe: an elongated, substantially rigid, manipulating shaft; a normally straight universally flexible resilient tip rigidly secured at one end to one end of said shaft and projecting a short distance beyond said shaft end and a rigid disk-like blade element secured to the projecting end of said universally flexible resilient tip at a distance from said end of said shaft not greater than the radius of said disk.

2,484,268
ALLYL THIOPHENES
Philip D. Caesar, Wenonah, and Darwin E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 10, 1946, Serial No. 689,817
12 Claims. (Cl. 260—329)

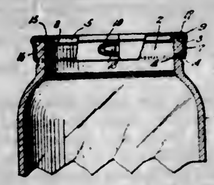
1. A process for condensing thiophene with an alcohol containing an olefinic linkage between two carbon atoms of aliphatic character, one of which is linked directly by a single bond to the carbinol carbon atom, comprising contacting said reactants in the presence of at least about 0.2 mole of sulfuric acid, of from about 50 per cent to about 98 per cent concentration, per mole of said alcohol.
said alcohol.

2,484,269
HEAD COVERING HOOD
Margaret V. Carlson, Jacksonville, Fla.
Application September 17, 1947, Serial No. 774,633
3 Claims. (Cl. 2—174)



1. A head covering hood comprising a sheet of material folded at substantially the transverse center thereof, to form a front and back panel, said panels having smoothly curved upper sides forming a full portion to cover the head of an individual, said panels narrowing at the lower portions of the sides to conform with the neck of an individual, adhesive material on the upper portions of the sides retaining the upper portions of the panels fixed together at the sides.

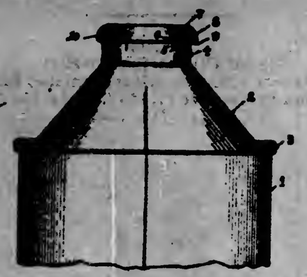
2,484,270
CLOSURE FOR CONTAINERS
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 28, 1945, Serial No. 596,281
1 Claim. (Cl. 215—64)



Closure for a container body comprising a closure cap including a top portion and a depending skirt, said skirt being slit along a line parallel with the lower edge thereof, said slit terminating so that the ends thereof are spaced to form an integral hinge between the upper and lower portions of the skirt, the lower portion of the skirt being adapted to be permanently attached to the container so that the top portion of the

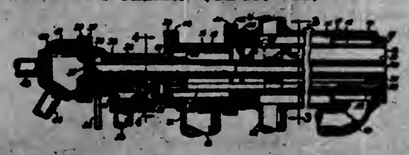
closure cap can swing freely on the hinged connection to open and closed positions, a sealing gasket carried by said cap, and an independent split bead having the ends thereof detachably joined, said bead being shaped so as to overlie said cap at the upper edge thereof and so as to be secured to the container at the lower edge thereof and operating to hold the cap in sealed engagement with the container body.

2,484,271
METAL CONTAINER
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 685,967
2 Claims. (Cl. 220—73)



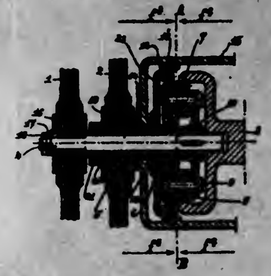
1. A metal container having a rigid sealing lip for a crown closure cap comprising a body portion terminating in a neck adapted to receive a crown cap, a ring having a substantially flat base, said neck at the upper end thereof being shaped to provide a bead tightly surrounding the ring and conforming to the contour thereof, a portion of said bead being offset inwardly to provide a supporting shoulder for the flat base of the ring, said ring and bead being dimensioned and disposed so as to extend outwardly beyond said ring supporting shoulder to provide a holding shoulder for the crown closure cap.

2,484,272
FLUID BURNER WITH AUXILIARY EXTERNAL OXYGEN SUPPLY
John Marshall Crowe, Covington, Ky.
Application August 5, 1947, Serial No. 766,279
5 Claims. (Cl. 158—11)



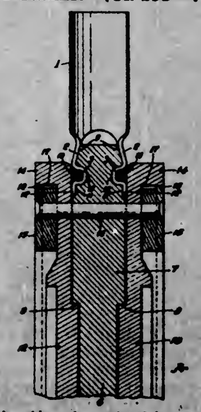
1. In a burner of the class described, the combination of a burner body including a cooling jacket tubular in form and having an open passageway axially within it, a fuel tube extending longitudinally through said passageway, and having a fuel inlet end and an outlet end, fuel atomizing means at the inlet end of the fuel tube, a second tube surrounding the fuel tube in spaced relationship, to provide a heating fluid chamber extending substantially from end to end of the fuel tube, said heating fluid chamber being open at the outlet end of the fuel tube for discharge of heating fluid in the direction of the fuel discharge, means for directing a heating fluid into said chamber, means to project a plurality of independent oxygen streams in the general direction of heating fluid and fuel discharge, and means for controlling said oxygen streams.

2,484,273
PROPELLER UNIT FOR AIRCRAFT
Emile Hyacinthe Dostourelliau, Issy-les-Moulineaux, France
Application May 25, 1940, Serial No. 337,295
In France March 7, 1939
Section 3, Public Law 690, August 8, 1946
Patent expires March 7, 1959
2 Claims. (Cl. 74—785)



1. A propeller unit for aircraft comprising in combination a driving shaft, a driven shaft, a tubular driven shaft journalled upon said driven shaft, a propeller carried by said driven shaft and by said tubular shaft, said shafts being coaxially arranged, a driven gear keyed to said tubular shaft, a carrier keyed to said driven shaft, a driving gear carried by said driving shaft and of a diameter greater than that of said driven gear, pinions operatively connecting said driven gear with the gear carried by said driving shaft, a brake drum, an internal gear formed on said brake drum, orbital gears operatively connecting said pinions with said brake drum and a brake drum operatively connected to said tubular shaft.

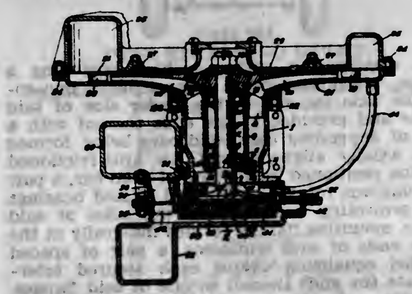
2,484,274
TURBINE WHEEL
David P. Eastman, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application September 16, 1946, Serial No. 697,362
4 Claims. (Cl. 253—77)



1. In combination in a turbine wheel, a central wheel member, a plurality of buckets, said buckets

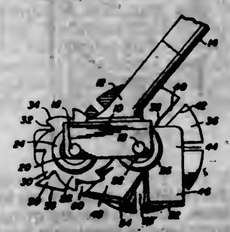
provided with parts shaped to interfit with said wheel member, and a pair of holding members positioned one on each side of said wheel member, and each in engagement with a part of said buckets, said holding members provided with portions adapted, under the influence of centrifugal force, to move to exert an inward pressure upon said buckets to hold them in place, and additional counterweights positioned on each side of said wheel, and adapted, under the influence of centrifugal force, to effect through said holding member an inward pressure on said buckets.

2,484,275
SUPERCHARGER SEAL
David P. Eastman, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware
Application September 19, 1947, Serial No. 775,066
18 Claims. (Cl. 230—116)



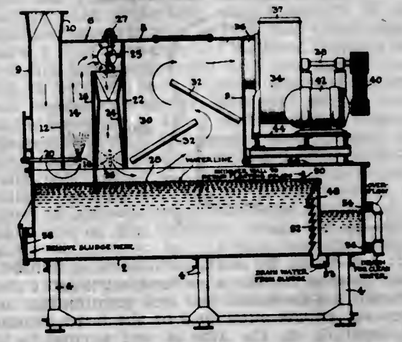
1. In combination in a turbo-blower assembly, a shaft, a turbine wheel and a compressor wheel fixed to said shaft, a housing part about said shaft, a housing part about said turbine, and a housing about said compressor, a baffle positioned about said shaft and closing the space within its housing, there being a minimum clearance between said baffle and said shaft, a second baffle positioned about said shaft and extending toward said turbine, there being a minimum clearance between said second baffle and said turbine, and means for transmitting pressure fluid to a point between said baffles, the clearance between said baffles and said shaft and turbine comprising the only outlet from the space between said baffles.

2,484,276
LAWN EDGER
Henry T. Eberhart, Long Beach, Calif.
Application April 12, 1948, Serial No. 20,498
6 Claims. (Cl. 56—256)



3. A lawn edger comprising an inverted channel member having a web portion and first and second leg portions, an elongated handle having one end fixed to the web portion of said channel member, forward and rear spaced parallel shafts journaled for rotation on the leg portions of said channel member, each of said shafts having an end portion projecting outwardly from the first leg portion of said channel member, a forward roller fixed on said forward shaft and a rear roller fixed on said rear shaft, said rollers being disposed between the first and second leg portions of said channel member, a vertically disposed fixed cutter mounted on the outwardly projecting end portions of said forward and rear shafts, said fixed cutter having an inner face and an outer face, a main vertically disposed disk-type cutter secured to the rear shaft and spaced outwardly from the outer face of said fixed cutter, and a vertically rotatable auxiliary cutter secured to the outer end portion of said forward shaft and disposed between the inner face of said fixed cutter and the first leg portion of said channel member.

2,484,277
DUST COLLECTOR AND SLUDGE SEPARATOR
Ernest F. Fisher, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application October 25, 1944, Serial No. 560,249
3 Claims. (Cl. 183—24)



1. A combined dust collector and sludge separator comprising a horizontally elongated sludge tank having a weir at one end thereof for normally maintaining a body of water in the tank at a predetermined constant level, a horizontally elongated dust collector for cleaning dust laden air, positioned above and in parallel relation with the tank, having an open bottom over and in direct communication with said tank, consisting of a top wall, a pair of end walls and a pair of side walls, having in the top wall and adjacent one end wall thereof a downwardly facing air inlet and in the other end wall thereof a laterally extending air outlet, and embodying a first crosswall depending from the top wall, extending between the side walls, having the lower margin thereof terminating above the water level, positioned in opposed relation with said one end wall, and defining with said one end wall a downwardly extending first passageway with its upper end communicating with the air inlet, a second crosswall extending between the side walls, having the upper margin thereof disposed beneath the top wall and its lower margin extending into the body of water in the sludge tank, spaced inwards from the first crosswall and defining therewith an upwardly extending second passageway with the lower end thereof in communication with the lower end of the first passageway, and a third crosswall depending from the top wall, extending between the side walls, having the lower margin thereof disposed above said water level,

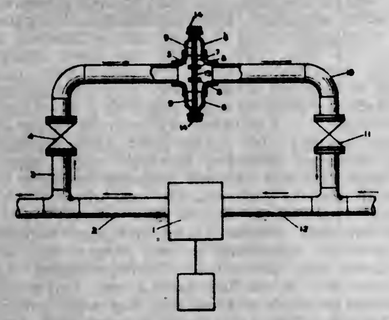
spaced inwards from the second crosswall, defining with said second crosswall a downwardly extending third passageway with the upper end thereof in communication with the second passageway, and defining with said other end wall an enlarged chamber with the lower portion thereof in communication with the lower end of the third passageway, a plurality of vertically extending, side by side Venturi tubes disposed in the third passageway, downwardly facing nozzles disposed in the upper end of the third passageway, positioned in alignment with the Venturi tubes and adapted to spray water downwards through said tubes and into the sludge tank, angularly disposed spray eliminator plates in said chamber, and a power driven suction fan connected to the aforesaid air outlet and operative when driven to cause the air being cleaned to flow successively downwards through the first passageway, upwards through the second passageway, downwards through the Venturi tubes, and thence through the chamber.

2,484,278
HOT LINE TIE STICK
Louis S. Fisher, Miami, Fla.
Application November 14, 1946, Serial No. 709,815
6 Claims. (Cl. 140—93)



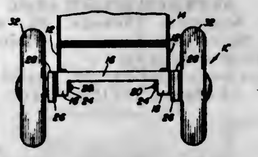
1. A hot-line tie stick, comprising a handle, a head thereon having a gooseneck portion curved through a substantial arc and terminating in a cross bar at the outer end of the head disposed substantially on the axis of and normal to the axis of the handle, and hooks on the outer face of the cross bar disposed at both ends of the cross bar.

2,484,279
METHOD AND APPARATUS FOR TESTING CORROSION
John M. Folz, Borger, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 11, 1945, Serial No. 598,737
9 Claims. (Cl. 73—86)



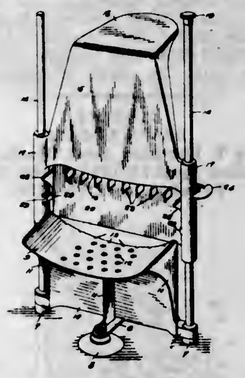
1. A test sample assembly for a corrosion testing apparatus comprising in combination a first non-corrosive electrical non-conducting member adapted to receive corrosion testing samples threaded thereon, and a second non-corrosive electrical non-conducting member threaded on said first member between said corrosion testing samples whereby electrolytic action between said samples is substantially eliminated.

2,484,280
WHEEL SUSPENSION FOR VEHICLES
Seth G. Fuston, Turkey, Tex.
Application March 22, 1948, Serial No. 16,195
1 Claim. (Cl. 280—104.5)



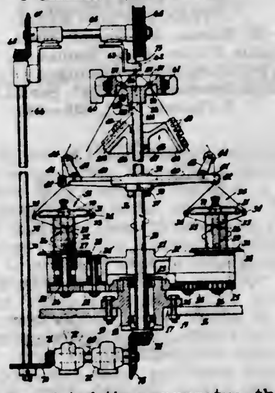
In combination with a vehicle including a frame, wheel suspension comprising a non-rotatable axle secured to the under side of said frame and provided at the ends thereof with a pair of depending ears, said ears being formed with axially aligned bores, an anti-frictioned bearing positioned in the bore of each ear, a pair of trunnions rotatably mounted in said bearings and projecting outwardly to the sides of said frame, mounting flanges formed integrally at the outer ends of said trunnions, a pair of spaced parallel equalizing beams each secured intermediate the ends thereof to one of said flanges, laterally projecting stub shafts provided on the end portions of said beams, and travelling wheels rotatably mounted on said stub shafts.

2,484,281
VEGETABLE CUTTER
Harry J. Gardner, Traverse City, Mich.
Application October 28, 1946, Serial No. 706,225
2 Claims. (Cl. 146—78)



1. A device for cutting vegetables or the like, embodying a base, means for securing the base to a supporting surface, a vegetable holder fixedly mounted on the base, and having a depressed curved surface formed with openings disposed in the surface, spaced rods vertically and fixedly mounted on the base, a cutting member slidably mounted on said rods, said cutting member having a knife integrally formed therein and being longitudinally disposed between the rods, a handle, and sleeves whereby the cutting member is slidably mounted on said rods, a longitudinally disposed enlargement rearwardly projecting from said cutting member adjacent to and above the knife of the cutting member, a cutting member pivotally mounted on the sleeves, having spaced knives transversely disposed to the aforesaid longitudinally disposed knife, means for pivotally adjusting the latter cutting member in relation to the first cutting member, said adjusting means comprising a shaft, ears rearwardly projecting from the sleeves, said ears being provided with horizontally aligned bearing openings, the shaft being revolvably mounted in the openings, a winged nut on the shaft, pinions on the shaft, and cooperating racks on the latter cutting member, cooperating stop projections on the sleeves and latter cutting member, and means for dismounting of the said cutting members from the device and from each other.

2,484,282
WIRE STRANDING DEVICE
Otho L. Giffin, Worcester, Mass.
Application February 6, 1947, Serial No. 726,915
3 Claims. (Cl. 57—64)



1. In a strand-twisting apparatus, the combination of a spindle, means for rotating said spindle, a strand package mounted upon said spindle for rotation therewith and having a plurality of strands wound thereabout, a strand-guiding head including a central hub disposed coaxially of said spindle, said hub being frictionally supported upon said spindle, an even number of strand guide elements circumferentially spaced about said hub, means for rigidly securing one half of said strand guide elements to said hub, and means for flexibly securing the other half of said strand guide elements to said hub, each of said strands passing successively through one of said flexibly mounted strand guide elements and a respective one of said rigidly mounted strand guide elements.

2,484,283
SECTIONAL CUTTING TABLE
Herman Walter Gilbert, Forest Hills, and Walter Delehmann, Elmont, N. Y., assignors, by direct and mesne assignments, to Cutting Room Appliances Corporation, New York, N. Y., a corporation of New York
Application August 10, 1948, Serial No. 43,455
4 Claims. (Cl. 311—4)

1. A longitudinal sectional cutting table comprising a first end section, a second end section, a first intermediate section, a second intermediate section, each of said sections having a rectangular table top comprising a sheet of Masonite or similar plastic material, the said table tops of all of said sections being of the same width whereby opposed parallel edges thereof may be aligned to form the longitudinal edges of the assembled cutting table, the other edges of the said table tops of said sections being transversely disposed with respect to the assembled cutting table, marginal portions adjacent the four edges of each table top being recessed, protective edge members overlying each of said longitudinal parallel edges of each of said sections, protective edge members overlying the transverse outer edges of the table tops of said first and said second end



sections, each of said protective edge members having a flange received in said recess in said table top corresponding thereto, means for attaching said protective edge members to said table sections whereby to hold said table tops in place, a first cross member disposed between said first end section and said first intermediate section, a second cross member disposed between said second end section and said second intermediate section, a third cross member disposed between said first and second intermediate sections, said first, second and third cross members being substantially H-shaped in cross-sectional contour and having opposed flange portions received in corresponding transverse recesses of the table tops of said sections, means for attaching said cross members to said table sections whereby to hold the inner transverse edges of the table tops of said sectional table in place, and means for maintaining said table sections in assembled condition to form said cutting table into a unitary structure.

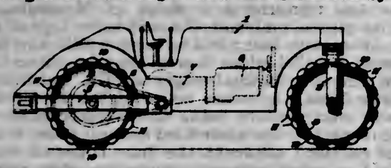
2,484,284
PROCESS OF GELATION
Clarence I. Glassbrook, Swedesboro, and Rowland C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Original application June 12, 1945, Serial No. 599,064. Divided and this application December 24, 1946, Serial No. 718,160
11 Claims. (Cl. 252—448)

1. A process which comprises subjecting an inorganic oxide hydrosol capable of setting to a gel to a uni-directional electrical field of orientation during its period of gelation, washing the resulting gel free of water soluble salts and drying.

2,484,285
KNEADING COMPACTION LUG FOR TAMPING ROLLERS
Carl F. Greiner, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application September 27, 1946, Serial No. 699,892
8 Claims. (Cl. 94—50)
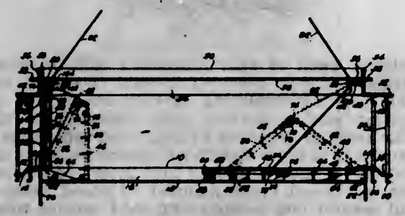
1. In combination with a tamping roller, a plurality of pairs of semi-circular metallic band sections conforming with the curvature of the rolls and secured to the roll to form a series of spaced circumferential rings therearound; and undu-

lating semi-circular lug members having alternating arcuate troughs and crests carried by the



band sections respectively, the crests of the lugs of each ring being disposed opposite the troughs of the lugs of adjacent rings.

2,484,286
HATCH COVER
Eugene Groppell, New Orleans, La.
Application May 1, 1947, Serial No. 745,351
10 Claims. (Cl. 114—201)



1. In a vessel having a cargo lift and at least two decks provided with aligned hatchways therein, a coaming surrounding the upper of said hatchways including a horizontal shelf projecting inwardly therearound, a pair of folding hatch covers hingedly mounted adjacent opposite ends of the lower of said hatchways, each including two parts pivotally connected together and movable upwardly into substantially vertical position when fully open, recessed grips in the surface of said covers adapted to be engaged by said lift for raising and lowering said covers, and a plurality of combination cover retaining devices and fairleads for said lift comprising brackets pivotally mounted for horizontal swinging movement on said coaming beneath said shelf, the free ends of said brackets being bifurcated and including sheaves rotatably mounted therein for guiding said lift, vertical open sockets formed at the free ends of said brackets at one side of said sheaves, and headed retaining bolts slidable within said sockets and engageable in one position with said covers for retaining the latter in open position.

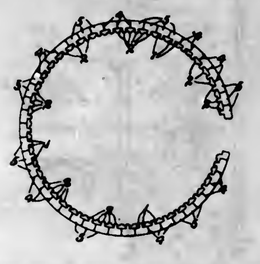
2,484,287
PYROPHORIC LIGHTER
William Halko, Vancouver, British Columbia, Canada
Application January 13, 1947, Serial No. 721,864
6 Claims. (Cl. 67—4.1)

6. A pyrophoric lighter comprising a cylindrical fuel casing formed of two telescoping members, a rotatable cover mounted upon the casing to define an interspace between said cover and the casing, said cover having a peripheral rim and a slot therein, and said casing having a wall surrounding the interspace and having a slot therein, spring means anchored to the casing and the cover to cause the rim slot to sweep across the wall slot and finally define a restricted opening from the interspace for vapour flow, said casing having a vapour passage communicating with the interspace, igniter means within the interspace adapted to operate as the cover moves towards the restricted opening position, latching means for holding the spring means tensioned and a button concentric with the cover for releasing the tension of the spring to rotate the cover



and operate the igniter, said telescopic members being adapted to force vapour through the vapour passage on being contracted telescopically and said opening when restricted serving to prolong the outflow of vapour from the interspace after ignition.

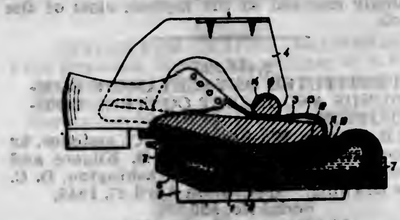
2,484,288
STEEL PISTON RING
Douglas W. Hamm, Muskegon, Mich., assignor to Muskegon Piston Ring Company, Muskegon, Mich., a corporation of Michigan
Application December 22, 1947, Serial No. 793,291
6 Claims. (Cl. 309—45)



1. A piston ring comprising, a continuous elongated narrow corrugated band comprising successive integrally connected U-shaped loops alternately open at opposite upper and lower sides, an integral leg extending at one edge from the lower and upper side of each of said loops vertically, and a cylinder land bearing section at the free end of each leg located in a horizontal plane to bridge the open sides of said loops and extend partly over said upper and lower sides of adjacent loops.

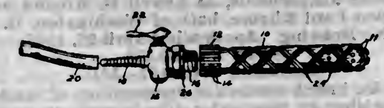
2,484,289
APPARATUS FOR USE IN ATTACHING SOLES TO THE UPPERS OF BOOTS AND SHOES
Erik Algot Hammarajö, Stockholm, Sweden, assignor to Eifon & Co Ltd Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application November 28, 1945, Serial No. 631,253
In Sweden December 12, 1944
7 Claims. (Cl. 12—38)

5. In apparatus for attaching soles to shoes, a base member for supporting the sole comprising a hollow liquid filled pad having an upper wall, a lower wall, and massive side walls formed of a single piece of India rubber, the inner surface of said upper wall being normally spaced apart from but in sufficient proximity to the inner surface of said lower wall that said surfaces will contact when downward pressure is exerted upon said upper wall, and a substantially rigid support member for said pad, said support member



having side walls within which said pad is positioned, and said support member normally supporting said pad only along the longitudinal lowermost and outermost portions of the lower wall thereof.

2,484,290
DEVICE FOR FEMININE HYGIENE
Stanley T. Handel, Essex, Conn.
Application July 20, 1945, Serial No. 606,169
3 Claims. (Cl. 128—239)

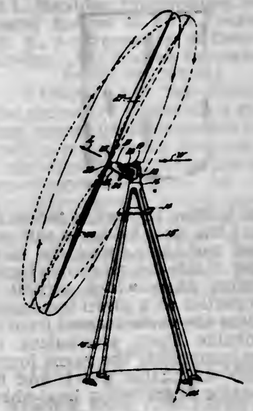


1. In a device of the character described, comprising in combination, a readily disposable elongated hollow body element formed of a relatively brittle, non-toxic material, means in the outer surface of said body element providing a plurality of depressed portions extending substantially from end to end and around said body element and providing therebetween a plurality of thicker portions which each have small longitudinal and transverse dimensions whereby to facilitate the shattering of said body element into a multiplicity of small easily disposable pieces, a plurality of relatively small apertures adjacent one end of said body element, means adjacent the other end of said body element for attaching a source of liquid thereto, and a coating substantially covering the inner surface of said body element and comprising relatively small particles of a medication material which is soluble in liquid used with said device.

2,484,291
WIND ROTOR
Russell R. Hays, Lawrence, Kans.
Application July 13, 1945, Serial No. 604,965
6 Claims. (Cl. 230—60)

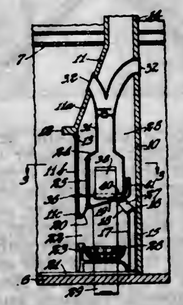
1. In a wind rotor-compressor unit for converting wind energy to a contained constant pressure airstream, a tower, a pivotal mounting for said unit on said tower providing freedom for the rotor of said unit to assume a downwind position with respect to said tower, a second pivotal mounting intermediate said tower and said unit canting said unit with respect to said first pivotal mounting and permitting limited movement of said unit in response to a vertical component of the lift effective upon said rotor and means operatively associated with said second pivotal mounting for simultaneously varying the torque loading of said rotor.

2. In a wind rotor-compressor unit for converting wind energy to a contained constant pressure airstream, a tower, a pivotal mounting for said unit on said tower providing freedom for the rotor of said unit to assume a downwind position with respect to said tower, a second pivotal mounting intermediate said tower and said unit canting said unit with respect to said first pivotal mounting and permitting limited movement of said unit in response to a vertical



component of the lift effective upon said rotor and means operatively associated with said second pivotal mounting, including a multiple cylinder air compressor and bleeder valves successively opened and closed in response to said limited movement of said unit whereby the capacity of said compressor is automatically varied in response to lift variations on said rotor.

2,484,292
DUAL FIREPLACE HEATER
Kenneth H. Hermanson, Minneapolis, Minn.
Application September 18, 1946, Serial No. 697,786
4 Claims. (Cl. 126—121)



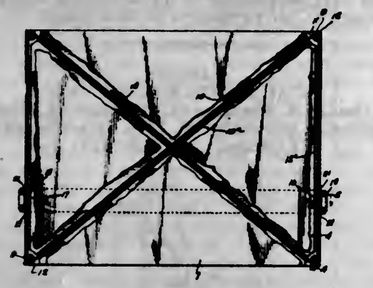
1. A fireplace comprising a fireplace having a heater combustion chamber within which solid fuel may be burned, a flue chamber above said fireplace combustion chamber and communicating with the same, a heating chamber disposed within said flue chamber and having its front and rear walls respectively spaced from the front and rear walls of said flue chamber, a fluid fuel operated heater within said heating chamber, cold air conduits leading into said heating chamber, warm air heat delivery conduits running from said heating chamber, and a flue with which said flue chamber communicates.

2,484,293
COMPOSITE TEXTILE ARTICLE
Ralph Hinchliff, Rockford, Ill., assignor to Burson Knitting Company, Rockford, Ill., a corporation of Illinois
Application September 22, 1944, Serial No. 555,365
2 Claims. (Cl. 66—170)



1. A shaped knitted protective jacket for liquid containers and the like, having a self-sustaining peripheral wall and an end wall, the jacket comprising a series of side-by-side rings formed from yarns comprising fibers which exhibit different shrinkage properties at a given temperature, the rings comprising the yarns formed from the more readily shrinkable fibers alternating regularly with the rings comprising the yarns formed from the less readily shrinkable fibers, and the more readily shrinkable fibers being heat-shrunk and stiffened.

2,484,294
DRAWING BOARD
Gerald L. Jean, Wells Beach, Maine
Application October 10, 1946, Serial No. 702,473
1 Claim. (Cl. 33—80)



A drawing board comprising an upper rectangular slab affording an upper drawing surface, said upper slab having crossed diagonal grooves and corner recesses in its bottom surface and being rabbeted at the lower portions of its side edges from one corner recess to the other on each side of the slab, a lower slab of the same shape and size as the upper slab secured to the under surface of the latter and closing the bottoms of said grooves, recesses and rabbets, a straight edge movable on said drawing surface and projecting beyond the side edges of the upper slab, a bracket carried by each end of the straight edge, said bracket having an inwardly facing channel shaped upper end receiving and secured to the end of said straight edge and a horizontal lower end portion extending into the adjacent rabbet and provided with a pair of oppositely facing keyhole slots whose larger ends are adjacent, the lower ends of the brackets being vertically movable in the rabbets to permit raising of the straight edge from the drawing surface, pulleys journaled in the corner recesses, cables extending around said pulleys and through said grooves and rabbets and connected to the lower end portions of the brackets, and angular fasteners having horizontal arms secured to the ends of the cables and having vertical arms provided with end heads retainingly engaged in the keyhole slots of the brackets.

2,484,295
N-SUBSTITUTED OXYACETAMIDE COMPOUNDS AND INSECT CONTROL COMPOSITIONS
Lowell B. Kilgore, Washington, D. C., assignor, by mesne assignments, to Lowell B. Kilgore and Helen Ford Kilgore, both of Washington, D. C.
No Drawing. Application April 27, 1945, Serial No. 590,721
13 Claims. (Cl. 167—30)

1. The N-substituted α-etherified acetamides having the general formula:

R—O—CH_2CO—NHR'

wherein R is aralkyl and R' is an aliphatic hydrocarbon radical.

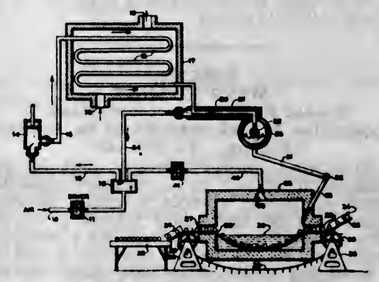
2,484,296
N-SUBSTITUTED OXYACETAMIDES
Lowell B. Kilgore, Washington, D. C., assignor, by mesne assignments, to Lowell B. Kilgore and Helen Ford Kilgore, both of Washington, D. C.
No Drawing. Application April 27, 1945, Serial No. 590,723
15 Claims. (Cl. 167—30)

6. An insect combative composition of matter comprising as essential active ingredient an N-substituted α-etherified acetamide having the general formula:

R—O—CH_2CO—NHR'

where R is a cyclic organic radical selected from the group consisting of halogenated aryl, homocyclic-substituted aryl, aryl of the naphthalene series and unsubstituted cycloalkyl; and R' is a radical selected from the group consisting of alkyl containing at least 4 carbon atoms, alkenyl, and cycloalkyl and a carrier therefor.

2,484,297
APPARATUS FOR FREEZING FOOD
Theodore E. Klein, Cranford, N. J.
Application February 20, 1946, Serial No. 648,926
2 Claims. (Cl. 62—104)



1. A refrigeration system for the preservation of food products and the like comprising apparatus for liquefying air, an insulated chamber for receiving liquid air from said apparatus, means connecting said apparatus to said chamber, a conveyor extending through said chamber for bringing the food products into said chamber and into intimate contact with said liquid air

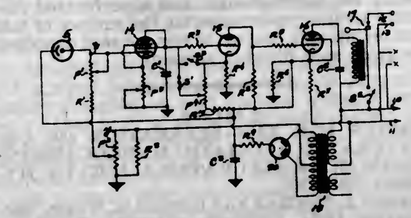
in order that heat may be rapidly abstracted from said products and the temperature thereof reduced and for removing said products from said chamber.

2,484,298
STYLUS FOR GRAPHIC RECORDING
Fred Krahulec, Skokie, Ill., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1947, Serial No. 737,529
3 Claims. (Cl. 346—139)



1. A stylus for use in graphic recording apparatus comprising a horizontally disposed barrel adapted to contain a non-flowable writing fluid, a ball rotatably mounted at one end of said barrel and adapted to rotate when said stylus is in engagement with a suitable record receiving element and relative movement between said stylus and record receiving element occurs, a spring biased plunger disposed in said barrel for applying a pressure to the writing fluid within said barrel continually to force it into engagement with said ball, said spring biased plunger including an indicating rod slidably extending through a wall of said barrel whereby said rod provides a continuous and automatic visual indication of the remaining writing life of said stylus with reference to the writing fluid contained therein.

2,484,299
SYSTEM FOR TIMING EXPOSURE INTERVAL OF PHOTOGRAPHIC PRINTS
Ervin D. Labrum, Seattle, Wash.
Application October 20, 1947, Serial No. 780,908
7 Claims. (Cl. 250—214)

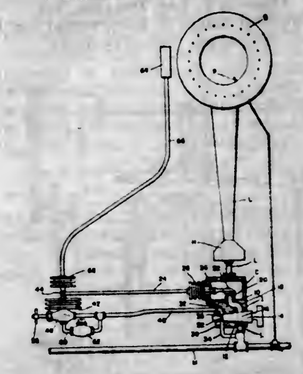


1. The described electronic system for automatically timing the exposure interval when printing from an exposed negative and which comprises, in combination: an exposure lamp, a photo-electric tube energized by rays of light emanating from the lamp and passing through the negative, and a severalty of electric circuits one of which includes the lamp, another of which includes the tube, and still another of which includes a condenser acting to normally carry a storage charge of current, a vacuum tube and a series resistor provided in the condenser circuit controlled by an energizing of the tube connected in shunt with the condenser and acting to cause the condenser to be bled of its stored charge and to responsively open the lamp circuit when dissipation is complete, said electrical means acting to effectuate a discharge of current from the condenser at a predetermined rate corresponding to the intensity of the light rays striking said tube.

2,484,300
PROCESS OF PREPARING A SULFUR CONTAINING PHTHALOCYANINE DYESTUFF
Raymond L. Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 4, 1947, Serial No. 789,753
3 Claims. (Cl. 260—314.5)

1. In the process of preparing a sulfur dyestuff by reducing copper phthalocyanine tetrasulfonylchloride with a metal in the presence of a mineral acid and subsequently oxidising the resulting copper mercaptophthalocyanine to the disulfide stage, the improvement which comprises conducting the reduction with iron as the metal and using a quantity of iron equal to 1.7 times the theoretical requirement thereof for the reduction calculated on the copper phthalocyanine content of the copper phthalocyanine tetrasulfonylchloride.

2,484,301
SAFETY CONTROL APPARATUS FOR GAS BURNERS
Abbot A. Lane, Glen Ridge, N. J.
Application March 6, 1946, Serial No. 652,450
7 Claims. (Cl. 158—117.1)

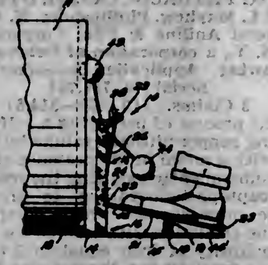


1. Control mechanism for a burner comprising a gas inlet line leading from the gas main to the burner, a control valve in said line and means for closing said control valve in the absence of a flame at the burner, said means comprising a second line leading from the gas main and having a delayed action gas pressure responsive member therein, said member and control valve being adjusted to close said valve under influence of gas pressure from the main in the absence of a flame at the burner, manually operable means for closing said gas inlet line and for venting gas from said pressure responsive member, and means responsive to the presence of a flame at the burner for rendering said first-named means ineffective when a flame is present at the burner.

2,484,302
DOUBLE-ACTION BASS DRUM PEDAL
Sidney N. Laverents, San Diego, Calif.
Application December 21, 1945, Serial No. 636,421
2 Claims. (Cl. 84—422)

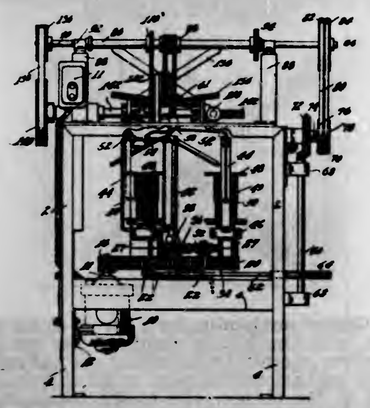
1. A double-action bass drum pedal comprising

a rockable pedal, a shaft, beaters carried by said shaft, a lever carried by the shaft, a link connecting said pedal to said lever, a spring control for said shaft, means for adjusting the action of said shaft, said shaft including a pair of aligned sections having spaced inner end portions, a drive



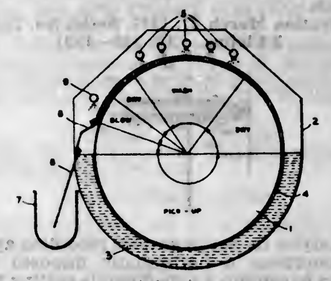
gear carried by the inner end portion of one of the sections, a driven gear carried by the inner end portion of the remaining section, and means operatively connecting the driven gear to the drive gear for rotation of said sections in an opposite direction.

2,484,303
ROPEMAKING MACHINE
Thomas E. Lee, Decatur, Ga.
Application September 9, 1946, Serial No. 695,783
5 Claims. (Cl. 57—55.5)



4. In a rope winding machine, the combination which comprises an open box-like frame having a horizontally disposed upper end with rope winding means in the frame, a ferrule forming a sizer positioned in the upper end of the frame, spaced horizontally disposed parallel shafts positioned above the upper end of the frame and rotatably mounted thereon, a plurality of sheaves positioned side by side on said parallel shafts whereby the rope from the sizer is trained around the sheaves and crossed between the sheaves on the different shafts to provide a stretcher, another ferrule positioned to receive the twisted rope from the stretcher providing a second sizer, a pair of grooved pulleys with overlapping flanges positioned to receive the rope from the second sizer, and a reel positioned to receive the rope from the grooved pulleys.

2,484,304
METHOD OF DEWAXING OIL AND CONTINUOUS ROTARY FILTER THEREFOR
William C. Long, Paulsboro, and Harold O. Button, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 25, 1947, Serial No. 737,154
7 Claims. (Cl. 196—19)



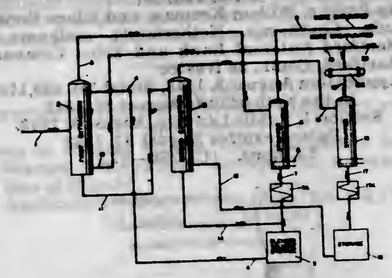
1. The method of removing wax from an oily feed slurry in a closed continuous filter, which comprises the steps of forming and washing a wax filter cake upon a travelling surface within the filter chamber, dislodging said cake by blowing gas therethrough, removing said dislodged cake from the filter surface by scraping with a perforated blade, conducting said dislodged cake along the upper surface of said blade, permitting oil contained therein to pass through the perforations of said blade and returning said oil to the initial feed slurry.

5. Apparatus for continuous dewaxing of a wax-bearing mineral oil, comprising, in combination, a continuous rotary filter including a rotatable filter drum supporting a continuous filtering element, a housing enclosing said drum, means for continuously drying the wax cake on the filtering element, spray devices for continuously washing the cake so dried, means for continuously drying the washed cake, means for dislodging the cake from the filtering element by blowing gas therethrough, and a perforated stationary scraper blade engaging the surface of said drum on one side thereof to remove said dislodged cake from said filtering element.

2,484,305
PROCESS FOR THE SEPARATION OF UNSATURATED ALIPHATIC HYDROCARBONS FROM MORE SATURATED ALIPHATIC HYDROCARBONS
Bertrand J. Mayland and Edward E. White, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 16, 1946, Serial No. 691,148
17 Claims. (Cl. 196—14.25)

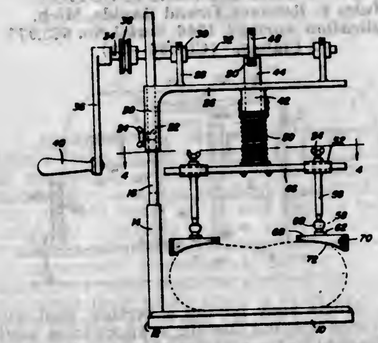
1. The method of separating a hydrocarbon mixture containing aliphatic unsaturated hydrocarbon having at least one and not more than two double bonds per molecule and more saturated aliphatic hydrocarbon into a fraction rich in more saturated hydrocarbon and a fraction rich in more unsaturated hydrocarbon which comprises intimately contacting said mixture with a liquid selective solvent consisting essentially of a polar solvent in which normal butane has an activity coefficient greater than 10 at atmospheric condition and a nonpolar solvent in which n-butane has an activity coefficient between 1.0 and 2.0 and in which at least one of butene and butadiene has an activity coefficient

less than 1.0 and selected from the group consisting of paraldehyde and tetraethylorthosili-



cate and thereby effecting preferential dissolution of said more unsaturated hydrocarbon in said selective solvent.

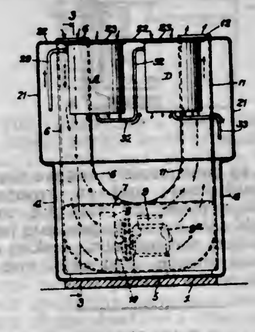
2,484,306
ARTIFICIAL RESPIRATOR
Ed McClain, deceased, late of Langley, Okla., by Joyce M. McClain, administratrix, Tulsa, and Byron M. Kay, Disney, Okla.
Application March 30, 1948, Serial No. 17,918
4 Claims. (Cl. 128—29)



1. An artificial respirator comprising a base, a rigid upright carried by said base, an arm adjustably mounted on said upright, a frame carried by said arm, a plunger slidably carried by said frame, means carried by said frame guiding the sliding movement of said plunger, means for reciprocating said plunger, a movable guide fixed on said plunger, rigid arms depending from said guide, means adjustably mounting said rigid arms on said guide, back engaging members, and means connecting said back engaging members to said rigid arms for universal movement relative to the latter.

2,484,307
NESTED CYLINDER COOLER
Willard L. Morrison, Lake Forest, Ill.
Application July 10, 1944, Serial No. 544,262
4 Claims. (Cl. 62—129)

1. In a cooling element adapted for use for cooling fluids, a circumferentially extending cylindrical evaporator, a refrigerating circuit in which said evaporator is included, said evaporator comprising an inner and an outer member, said members being spaced apart and being sealed together at their ends, and defining therebetween a space through which the refrigerant flows, means for so directing and distributing the refrigerant against substantially the entire outer surface of the inner member and against substantially the entire inner surface of the outer member, as to cause a substantially even distribution of evaporation effective to maintain substantially the entire inner surface of the inner member and substantially the entire outer surface of the outer member as primary cooling surfaces, the evaporator surrounding and circumferentially defining a space through which a fluid to be cooled may flow, the outer surface of the outer member and the inner surface of the inner member being both exposed to the flow of said fluid to be cooled, a concentric, cylindrical fluid directing duct in which said evaporator is positioned, said duct being outwardly spaced from the outer surface of the evaporator, and means for causing a flow of the fluid to be cooled along said duct and across the inner and outer faces of said evaporator.



2,484,308
PROPELLER CONTAINING DIAGONALLY DISPOSED FIBROUS MATERIAL
Max M. Munk, Cottage City, Md.
Application August 25, 1947, Serial No. 770,460
3 Claims. (Cl. 170—159)

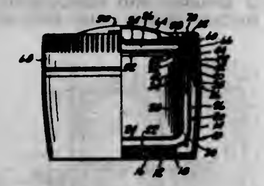


1. In an aerial propeller a solid laminated radial wooden blade consisting of a main portion in which substantially all wood fibres are radially disposed, and of one or more auxiliary layers in which substantially all wood fibres are diagonally disposed, all said diagonally disposed fibres extending in forward and outward direction, the auxiliary layers being glued to the main portion to form a solid blade, whereby the blade will elastically decrease its pitch angle with increasing thrust.

2,484,309
VACUUM JAR
Bernice L. Noeth, South Bend, Ind.
Application June 30, 1947, Serial No. 758,153
8 Claims. (Cl. 215—13)

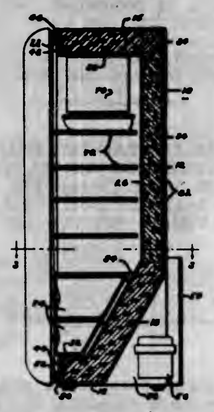
1. A vacuum jar comprising a body unit including a cup-shaped sheath, a cup-shaped double walled evacuated liner having a wide mouth

opening, and means for anchoring said liner in said sheath in spaced relation thereto, said means including resilient members interposed between said sheath and liner; a lid unit including a double walled evacuated closure member and a resilient member fitting around the margin of said closure member and having a por-



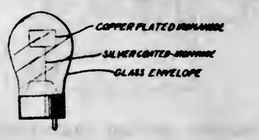
tion adapted to continuously engage the mouth portion of said liner; and an inverted cup-shaped retainer mounting said lid unit and adapted to hold said lid unit upon said body unit in sealing relation and including a skirt adapted to encircle said sheath, said skirt and sheath having mating screw threads.

2,484,310
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application April 3, 1946, Serial No. 659,254
1 Claim. (Cl. 62—89)



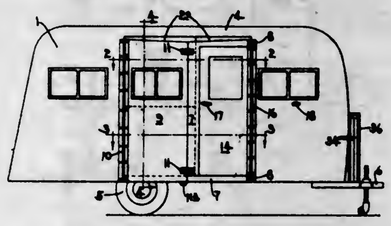
A refrigerator comprising an outer metallic shell having contoured edge portions forming channel shaped members extending around a vertically extended access opening, an inner shell formed of plastic material having outwardly extended flanges positioned within the channel shaped members, the inner and outer shells being contoured angularly adjacent the bottom to provide a mechanism compartment, a motor compressor unit positioned within the motor compressor compartment, refrigerant condenser tubes bonded to the inner surfaces of the outer shell, a refrigerant evaporator positioned within the inner shell, connecting means between the motor compressor unit and the refrigerant evaporator, and connecting means between the motor compressor unit and the refrigerant condenser tubes.

2,484,311
DISCHARGE TUBE WITH PLATED ELECTRODE
Frits Prakke, Willem Keeman, and Klaas Rodenhuis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 8, 1946, Serial No. 689,118
In the Netherlands August 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 27, 1963
2 Claims. (Cl. 250—27.5)



2. A high frequency electric discharge tube comprising an envelope, and an electrode system within said envelope comprising an electrode having a metallic body the major portion of which is selected from the group nickel, iron and cobalt, said body being plated to a thickness of from about 10 to about 15 microns with copper.

2,484,312
HOUSE TRAILER CONSTRUCTION
Jules E. Rebours, Grand Rapids, Mich.
Application April 22, 1946, Serial No. 663,977
2 Claims. (Cl. 296—23)



1. A vehicle body having a vertical wall with an entrance opening therein, a knockdown vestibule attached to the exterior of said wall and enclosing said entrance opening, said vestibule having a second entrance opening in a wall adjacent said first entrance opening, a door casing having a door hinged thereto, said door casing being hinged to said vehicle wall adjacent said first entrance opening in a position to move to close either one of said entrance openings and said hinged door being operable in either position of the casing.

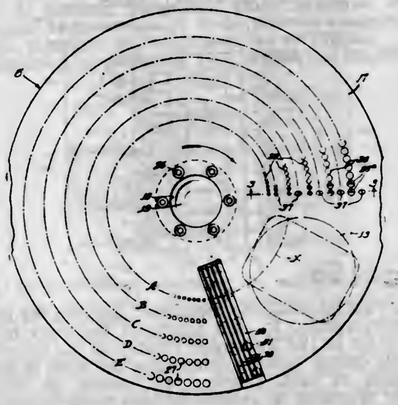
2,484,313
BOB PIN OPENER
Clarence C. Rennecamp and William H. Bartel, St. Louis, Mo.
Application April 17, 1947, Serial No. 742,108
9 Claims. (Cl. 132—1)



2. A device of the kind described comprising an elongated body having a rear and front end, a longitudinal bore at the rear end thereof adapted to receive a finger of the hand for thimble-like mounting, a flat transverse edge at the front end

thereof, and transversely flat surfaces substantially parallel with said edge and diverging longitudinally therefrom toward the rear end, both of said diverging surfaces having guide flanges extending along both sides thereof.

2,484,314
ROTARY STOCK REMOVING METHOD AND APPARATUS
John D. Rovick, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 9, 1944, Serial No. 548,779
2 Claims. (Cl. 90—18)

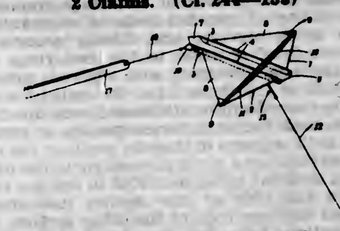


1. Apparatus for removing a layer of stock from a blank which is supported on a work holder, comprising, a rotatable cutter head opposing said holder; and a multiplicity of individual cutters on said head, all of said cutters being arranged in a pattern along a curved line defining a single continuous helix comprised of a plurality of concentric convolutions having an overall diameter greater than the width of the region on the blank from which stock is to be removed, the work edges of all of said cutters being equidistant from the plane of said cutter head face and in a common plane which is parallel with the face of the work piece; there being a relatively small interrupted region extending radially over a sector of said head, said region dividing the pattern of said single helix into a plurality of concentric rows with each row beginning and terminating at the respective sides of said interrupted region, whereby the trailing cutter of each row traverses the line of said single helix across said interrupted region to the leading cutter of the next radially outward convolution, and the cuts made by the respective rows merge into each other at approximately the trailing end regions of all of said rows.

2,484,315
NITROALCOHOL MODIFIED AMINOPLASTS
Milton J. Scott, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 25, 1945, Serial No. 618,587
1 Claim. (Cl. 260—67.6)

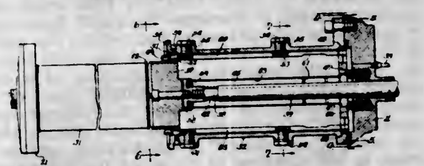
A heat-curable, resinous material which consists of the product obtained by reacting at elevated temperatures under acid conditions 1 mol of a methylol melamine with 10 mols of 2-nitro-2-methyl-1-propanol.

2,484,316
KITE
Samuel C. Simons, Berkeley, Calif.
Application July 17, 1946, Serial No. 684,207
2 Claims. (Cl. 244—153)



1. A kite comprising a body which is formed from a single flexible sheet of material of initial quadrilateral form and in which the diagonals on opposite sides of the longitudinal center line of the sheet are symmetrical whereby each such side of the sheet is of triangular configuration, such sheet being folded at points transversely spaced on opposite sides of said center line of the sheet to form a pair of transversely spaced keels, the central portion of the sheet between the keels projecting forwardly beyond the leading edges of the sheet, as a nose, and rearwardly behind the trailing edges of the sheet, as a tail, a flight control string attached to the keels adjacent but short of the forward ends thereof, and a streamer connected to said keels adjacent said rearwardly projecting tail.

2,484,317
CAN TESTING POCKET
Justin Simpson, Elmhurst, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1945, Serial No. 593,225
17 Claims. (Cl. 73—40)



7. In a can testing machine including a test pocket, the combination with said pocket of a spider therein movable longitudinally of the pocket, a plurality of clamping bars connected with said spider to move therewith, said bars being provided with inclined surfaces, means carried by the walls of said pocket for cooperating with said inclined surfaces of the bars to move the bars radially inwardly into clamping relation with the walls of a can body to be tested upon longitudinal movement of said bars in one direction, and means for supporting the outer ends of said bars, said supporting means and bars having cooperating surfaces whereby said bars are moved radially outwardly when the bars are moved longitudinally in the opposite direction.

2,484,318
ADJUSTABLE RIDDLE
Willard F. Smith, Brooks, Calif.
Application June 12, 1945, Serial No. 599,023
1 Claim. (Cl. 209—394)

In riddle assemblages, wherein the assemblage is designed for service in the separation of almond hulls and nuts or in the separation of almond meats and their shells, and/or dimensional sep-

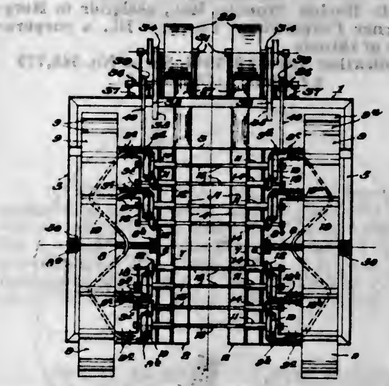
aration of meats, at will, a riddle assemblage of drum-like formation mounted for rotational, oscillatory or vibratory movement relative to the drum axis, said drum formation comprising a pair of sections each formed of end rings connected by a plurality of parallel rods of substantially uniform cross section, and fixedly secured in permanent fixed position to the end rings and spaced apart equidistantly with the rods extending parallel to the drum axis, the rods of a section being spaced similar distances from the drum axis with such radial distance spacing of similar value in both sections to thereby position the rods of both sections on a circle concentric to the drum axis, said sections being mounted in coaxial relation with the rods of one section individually interposed between rods of the other section, one of said sections being fixedly related to the drum formation with the other section mounted within the formation for adjustment relatively at will relative to the first section, the spacing of adjacent rods of a section being sufficiently greater than the cross-sectional dimensions of a rod as to permit the presence of a rod of the other section midway between the pair of adjacent rods and provide an individual space of material



dimensions on opposite sides of the interposed rod with each space active as a discharge outlet of content from the drum, adjustment of the movable section to move the interposed rod in the direction of either neighbor from such mid position serving to increase the width dimension of one of the pair of spaces and reduce the width of the other space of the pair of spaces to thereby render the reduced space inactive as a discharge outlet and provide a reduced number of discharge outlets of increased dimensions, said assemblage being further characterized in that the range of adjustment of the movable section is equal to the distance of travel of the interposed rod from a condition of contact with one of its neighbors to a similar contact with its other neighbor, the minimum width dimension of an active discharge outlet being provided when the interposed rod is positioned midway between its neighbors with the maximum width of discharge outlets provided when the interposed rod is in contact with one of its neighbors, the number of active discharge outlets being limited to the number of spaces between the rods of a section for all adjustments away from the midway position of the interposed rod, such rod when in the midway position increasing the number of active outlets of minimum dimensions to double such limited number, means being provided for adjusting the position of the movable member at will and for maintaining the member in its adjusted position.

2,484,319
RECIPROCATING SPINDLE TYPE COTTON HARVESTER
Lee Mark Sperry, Erie, Pa.
Application February 23, 1945, Serial No. 579,381
12 Claims. (Cl. 56—46)

1. In a cotton picking machine, a frame having a longitudinally disposed tunnel, the opposed side walls of the tunnel being perforated and forming the outside walls of separate cotton receiving receptacles; ground wheels at opposite sides of the frame; sinuous annular tracks coaxially mounted on said wheels; annular members coaxially mounted on said wheels; series of spaced rotatable members journaled in the frame at opposite sides of the tunnel and rotated by the said annular members respectively; clusters of spindle rotating members spaced around and driven by



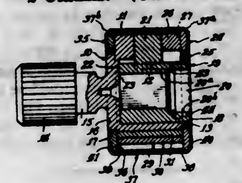
their related rotatable members; spindles for the clusters splined in said clustered members and journaled in the frame and rotated as the ground wheels rotate; spiders connecting the ends of the spindles of each cluster; and means on each spider engaging its related sinuous track to cause reciprocation of the rotating spindles as the wheels rotate, whereby the rotating spindles will be projected in and out of the perforations in the walls of the tunnel as the wheels rotate.

2,484,320
TOY PROJECTILE
George S. Stevens, Richland, Wash.
Application February 5, 1946, Serial No. 645,615
4 Claims. (Cl. 273—106)



1. A toy bomb-like projectile, comprising: an elongated body having a nose and a relatively lighter tail section, said nose section having a bore therein longitudinal of the body and extending rearward to the tail section, said tail section having an enlarged chamber longitudinal of said body in communication with said bore and open at the rear end, an ejector longitudinally movable in said enlarged chamber, a forwardly extending rod connected to said ejector and adapted to slidably move in said bore, expansible spring means in the forward end of said enlarged chamber and operable upon said ejector to urge the latter rearward, impact-releasable latch means carried by said nose section and engageable in said bore with said rod to secure the same in an adjusted position and the spring forward of the ejector, compressed, said rod being of a length that it protrudes from said bore forwardly of said nose section, when secured by said latch means, said latch means being operable to release said rod when the latter strikes a solid object, a plurality of shrapnel-like pieces within said chamber to the rear of the ejector piston, and dislodgeable means in the opening at the rear of said tail section for temporarily retaining said pieces against said piston ejector and within said chamber.

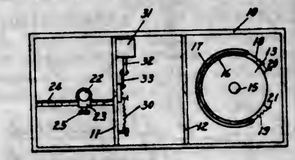
2,484,321
PUMP COUPLING
Carl J. Stubau, Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 5, 1945, Serial No. 626,767
2 Claims. (Cl. 64—27)



1. In a resilient coupling, in combination, a generally elongated tubular member having a radially extending lug at one end thereof and having an axially extending slot aligned with said lug and extending from said lug to the other end of said tubular member, said other end having external splines; an elongated cylindrical member received in said tubular member and engaging said tubular member for substantially the full length of said cylindrical member and having a lug extending radially outwardly with circumferential clearance through the slot in said tubular member, said lug being substantially aligned with the lug on the tubular member; a drive ring member on said other end of the tubular member having internal splines which mate with the external splines of the tubular member, said drive ring member also having an axially extending lug adapted to be positioned in axial alignment with the lug on the tubular member and to be maintained in said position of alignment by said splines; a retainer ring member abutting said one end of the tubular member; a split spring ring member disposed between said drive and retainer ring members embracing said tubular member and having its split ends engaging all of said legs, whereby torque may be resiliently transmitted between the tubular member and drive ring, and the cylindrical member; and a cylindrical housing radially spaced from said tubular member, cylindrical member, and spring ring member, respectively, and gripping the outer peripheries of the drive and retainer ring members to maintain the component parts of the resilient coupling in fixed axial position relative to each other.

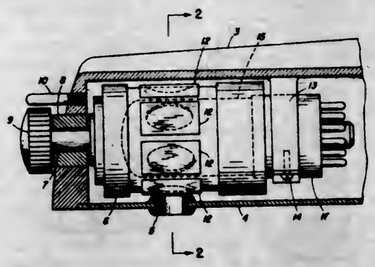
2,484,322
PHOTOGRAPHIC SENSITOMETER HAVING AN OPTICAL WEDGE ON A ROTATING DRUM
Monroe Hamilton Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 14, 1944, Serial No. 553,993
8 Claims. (Cl. 95—10)

1. In an intensity scale sensitometer the combination of a light tight casing having compartments therein formed by opaque walls, a drum in one of said compartments and a motor for rotating said drum at a predetermined, constant speed, means for retaining a light sensitive strip at the surface of said drum including an optical wedge of flexible material having means by which both ends of said wedge are connected to the drum and by which the wedge is tensioned about the drum, a light source at the opposite compartment in said casing including a holder, a bar along which said holder is movable to and from the drum and a means of illumination carried by



and moving with said holder, a slit in the wall adjacent said light source and a wider slit in the wall adjacent said drum, each being in alignment with the drum and with the light source, a shutter pivoted at the wall adjacent the light source and adapted to cover the slit in that wall, a spring for maintaining said shutter in position over the slit and a solenoid for moving said shutter against the tension of said spring to uncover the slit thereby to allow passage of light through the slit and onto light sensitive material carried by the drum.

2,484,323
PHOTOTUBE HOUSING WITH SELECTABLE FILTERS
Monroe Hamilton Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 17, 1948, Serial No. 49,754
6 Claims. (Cl. 250—239)

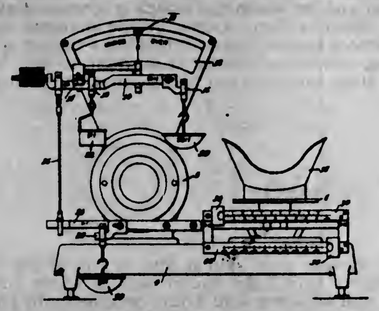


1. In combination a photo-electric tube, a housing for said tube providing complete shielding from outside light, a wall for said housing defining an aperture, the photoactive element of said tube being aligned with said aperture, means for inserting a filter between said tube and said aperture comprising a sleeve rotatable over the tube having a plurality of receptacles each accommodating a filter, and means outside of said housing for rotating said sleeve whereby a desired filter may be interposed between the tube and the aperture in said housing.

2,484,324
THREE-BUCKET COUNTING SCALE
Matthew Thorsson, Rutland, Vt.
Application August 17, 1944, Serial No. 549,883
4 Claims. (Cl. 265—30)

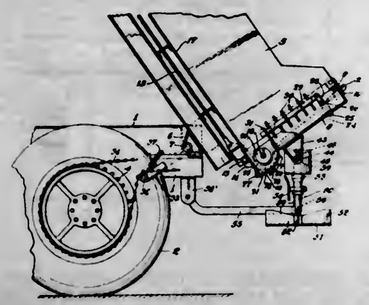
1. In a counting and weighing scale having a main platform lever of the third order and a

supplemental beam of the first order, two counterbalancing buckets on said supplemental beam at a ratio of nine and ninety-nine, respectively, with respect to the fulcrum of the supplemental beam, a counterbalancing connecting rod between the main platform lever and the supplemental beam, the combination of a beam com-



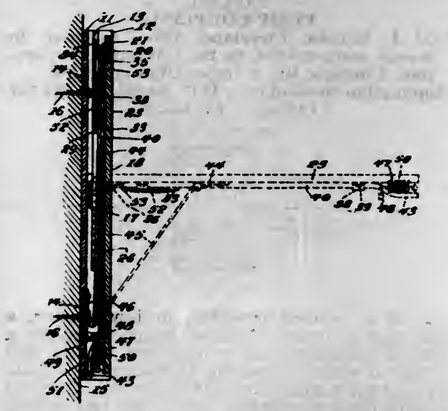
prising an extension of the main platform lever having a counterbalancing bucket at a point at a ratio of eleven to one with respect to the main platform, and two tare beams on the main platform lever with scales marked in decimal graduations thereon, respectively proportional in length to each of said load points with respectively one slidable counterpoise on each of the respective tare beams.

2,484,325
TIPPING SPREADER
Lester W. Wachter, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application February 5, 1945, Serial No. 576,246
5 Claims. (Cl. 275—8)



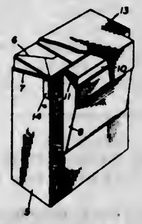
3. In combination with an automotive vehicle, a tipping body mounted thereon and a unitary spreading assembly complete within itself, said assembly comprising a supporting member mounted on the rear of said receptacle and comprising an end closure therefor, said end closure provided with a discharge opening through which material may be discharged from the body and means for moving material within the body toward said opening and spreader means for spreading material after it passes through said opening, said spreader means comprising a member positioned to rotate about a vertical axis and having a plurality of blades, and means for rotating said spreader member, and means for maintaining the axis of said spreader member constantly vertical irrespective of the position of said body and means for driving said spreading assembly, and a closure member for said discharge opening, said closure member being provided with means to move it away from said opening as the body is tipped and to return to said opening as the body moves to the untipped position.

2,484,326
FOLDING WALL TABLE
Leslie W. Walters, Pierson, Iowa, assignor of one-half to Robert G. Clay, Pierson, Iowa
Application September 27, 1946, Serial No. 699,778
1 Claim. (Cl. 311—19)



A device of the character described, comprising a supporting frame having a base and parallel sides, vertical slots in said sides, a frame slidable in said slots, means on said frame for securing a table top thereon, means for supporting said top secured to said top and said supporting frame, and means on the bottom face of said top for latching said top at right angles to said supporting frame, and said last means comprising a U-shaped member, latch dogs on the end of said member, U-shaped controlling means secured to said U-shaped member at right angles thereto and spring means secured to said U-shaped member for forcing said latch dogs into a keeper means secured to said supporting frame.

2,484,327
COMBINED CIGARETTE AND MATCH CASE
Barney Bass Williams, Albany, Ga.
Application February 6, 1947, Serial No. 726,860
2 Claims. (Cl. 206—38)



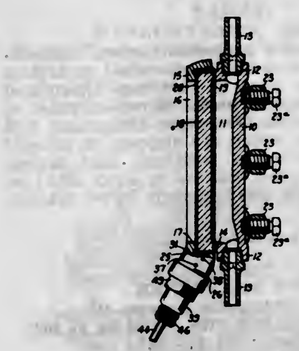
1. A combined cigarette and match case comprising a main case section having a front and back wall and opposed side walls, adapted to receive a package of cigarettes, a pocket formed integrally on the back wall of the main case

adapted to receive a match book, said main case and pocket having open tops, each provided with a sloping edge to afford a finger grip for the contents of the main case and pocket, a cover detachably extending over both the main case and the pocket, and wedges on the top corners of the main case for frictionally retaining the cover on the case and pocket.

2,484,328
METHOD OF MODIFYING CASTOR OIL
Melvin Agster, Buffalo, and Robert L. Terrill, Williamsville, N. Y., assignors to Spencer-Kellogg and Sons, Inc., Buffalo, N. Y.
No Drawing. Application July 1, 1947, Serial No. 758,462
8 Claims. (Cl. 260—405.5)

1. The method of modifying castor oil which comprises partially dehydroxylating the oil by heating the same at temperatures within the range 460° F. to 520° F. in the presence of a lead compound soluble in castor oil at about 300° F. in an amount within the range 0.05% to 0.1% calculated as PbO to reduce the acetyl value to within the range 60 to 100 and raise the iodine value to within the range 95 to 105 whereby the resultant oil is non-drying and miscible in mineral oil.

2,484,329
WATER GAUGE
Charles M. Angel and Robert A. Culbertson, Huntington, W. Va., assignors to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application May 14, 1948, Serial No. 27,014
6 Claims. (Cl. 73—293)

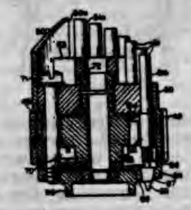


1. In a gauge having a casing with an elongated sight opening, a frame with an elongated sight opening, an elongated flat glass between the casing and frame, and means to hold the casing, frame and glass together; an extension at an end of the frame, a sleeve coupled thereto, a lamp socket and an electric lamp bulb attached to the sleeve, the extension having a port in communication with a side of the glass only and directing the rays from the bulb through the side of the glass against the meniscus of a liquid in the gauge, a transparent disc closing the port ahead of the bulb, and means within the extension holding the disc in place, whereby leakage past the glass is prevented from coming in contact with the socket and bulb.

2,484,330
STABILIZATION OF DIALKYL HALOACETALS
Hans Beller, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,796
5 Claims. (Cl. 260—611.5)

1. A method of stabilizing a dialkyl haloacetal which comprises mixing a small proportion of triethanolamine therewith.

2,484,331
ADJUSTABLE CAM STRUCTURE
Basil A. Bels, Great Neck, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 6, 1945, Serial No. 633,206
7 Claims. (Cl. 74—568)

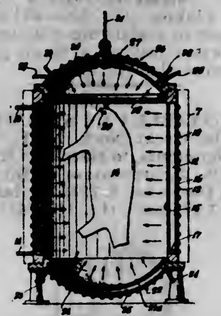


1. A control mechanism comprising: a first longitudinally extending member including a predetermined portion; a second longitudinally extending member including a circular portion having a first sector with a leading edge and a trailing edge and having a second sector; means for supporting said members for unidirectional rotational displacement and for bidirectional longitudinal displacement relative to one another and for positioning said members so that said circular portion of said second member defines the locus of points thereof in longitudinal alignment with said predetermined portion of said first member; said members being biased toward a reference position representing a minimum longitudinal separation therebetween and being adapted to control a controlled element in accordance with the displacements of said members from said reference position; a preset cam projecting longitudinally from said first sector and comprising an inclined surface which extends from said leading edge to said trailing edge of said first sector, the slope of said surface being proportioned to displace said first member longitudinally from said reference position to a preset position corresponding to a maximum separation of said members; and a plurality of individually adjustable stop devices projecting longitudinally from and spaced along said second sector, the projection of said stop devices being in a descending progression from said trailing edge of said first sector so that upon relative rotation of said members said stop devices successively engage said first member to effect preselected and progressively increasing longitudinal displacements of said first member from said preset position toward said reference position; and means for effecting said unidirectional rotational displacement of said members.

2,484,332
ULTRAVIOLET LIGHT APPARATUS
Emil R. Capita, North Bergen, N. J.
Application September 9, 1944, Serial No. 553,442
7 Claims. (Cl. 315—248)

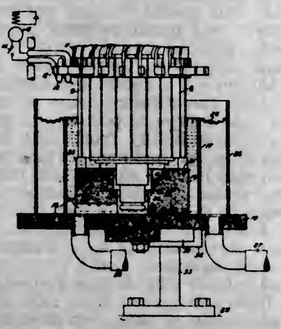
1. An ultraviolet light apparatus comprising a chamber having at least two spaced coextensive

walls and containing a charge of mercury and an inert gas therebetween, a wire for carrying a high frequency current adjacent one of the walls and having convolutions extending a substantial distance along a surface of said wall to energize the mercury in the chamber and



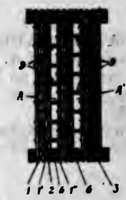
maintain therein a mercury arc of shape corresponding to that of said chamber and radiating ultraviolet light, one of said walls having a concave surface defining an article-receiving compartment and for converging the emitted light into said article-receiving compartment.

2,484,333
COMMUTATOR BRAZING FIXTURE
Carroll F. Cobb and Joseph J. De Windt, Silverton, and Stephen A. Weitlauf, Cincinnati, Ohio, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 10, 1945, Serial No. 610,000
2 Claims. (Cl. 219—13)



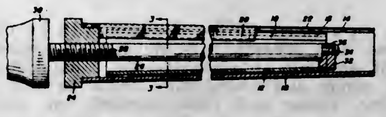
1. A device for brazing protruding armature leads to the bars of a commutator mounted on a shaft by means of an inductor which is fixed with respect to a base, said bars being in heat conductive relation to one another and said shaft, said device comprising a cup, means for rotatably supporting said commutator on the bottom of said cup comprising a block having a top area and a bore having a diameter greater than the diameter of said shaft and means for holding the end surface of said commutator above said area with said shaft loosely confined within said bore to define an annular passage, said commutator rotatably mounted for successively moving the different said leads into a position adjacent said inductor with the bars of said commutator partly extending above said cup, means for swingably mounting said cup on said base for movement bringing a selected one of said leads from said position into heating engagement with said inductor and back into said position, a source of cooling fluid, and a pipe connected with said source and directing a substantial portion of the cooling fluid from said source between said cup and said block and along the peripheral surface of one of said bars selected by rotation of said commutator and engaged by said selected one of said leads to remove heat directly supplied thereto by said inductor, said cup cooperating with said commutator to define a passage continuing said annular passage for distributing another portion of said cooling fluid along the end and part of the peripheral surface of said commutator to remove heat transmitted by conduction from said one of said bars to the remainder of said bars.

2,484,334
COMPOSITE SCREEN FOR CINEMATOGRAPHIC AND OTHER PROJECTIONS
Léopold Darimont, Anderlecht-Brussels, Belgium
Application June 17, 1946, Serial No. 677,209
In Belgium May 6, 1946
6 Claims. (Cl. 88—28.9)



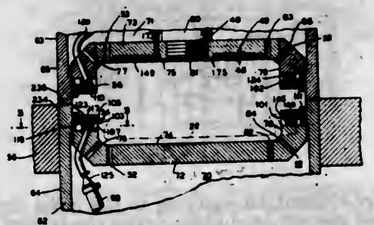
1. A photographic projection screen comprising, a base sheet, a thin white sheet of tightly woven muslin in front of said base sheet, and two sheets of coarsely woven canvas in front of said muslin sheet, said canvases comprising dull metalized threads which are disposed in general vertical and horizontal positions, said canvas sheets being oriented relative to each other so that their threads are angularly offset relative to each other.

2,484,335
KNIFE SHARPENER
Oscar W. Dingerson, Berwyn, Ill.
Application January 3, 1949, Serial No. 68,802
4 Claims. (Cl. 51—187)



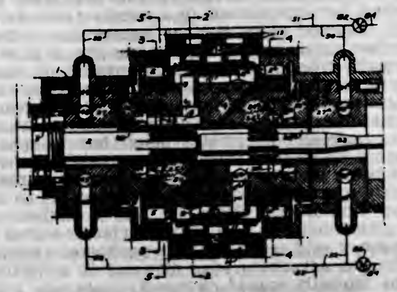
1. In a knife sharpener, a pair of telescopic frusto-conical tubes having aligned longitudinal slots extending therethrough, a flexible sheet bearing abrasive material on its outer surface encircling the tubes with opposite side edges entering the slots between the tubes and means for advancing the inner tube toward the reduced end of the outer tube to cause the inner tube to contract against the inturned edges of the flexible sheet and clamp the sheet in encircling relation about the tubes.

2,484,336
APPARATUS FOR MAKING POWDER PUFFS
Seymour Epstein, New York, and Roger Bihler, Brentwood, N. Y.
Application November 9, 1946, Serial No. 709,076
13 Claims. (Cl. 154—1.8)



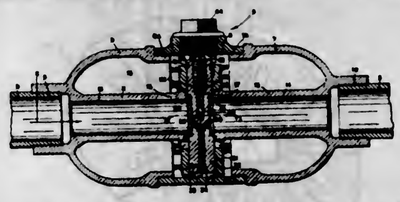
1. In a powder puff making device, for use with a powder puff casing element in the form of a substantially flexible and planar blank of an effective diameter or width greater than the effective diameter or width of the finished puff: a die element having a bottom surface and upstanding rim, the distance between opposed portions of said rim being approximately the size of the finished puff; pneumatic means to move the central portion of said blank into contact with said bottom surface, whereby the edge of said blank is brought into contact with the inner surface of said rim; and a reciprocable finger in said rim adapted in the active position thereof to lie inwardly of said die so as to move the edge of the puff blank farther into the pneumatic flow produced by said pneumatic means.

2,484,337
HYDRODYNAMIC MACHINE
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 1, 1943, Serial No. 485,279
29 Claims. (Cl. 103—161)



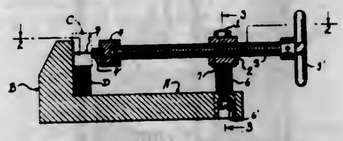
1. In a hydrodynamic machine, the combination of a rotatable cylinder barrel having pistons and cylinders arranged therein and passages leading outward from said cylinders, certain of said passages being arranged to terminate at one end of said cylinder barrel and the other passages being arranged to terminate at the other end of said cylinder barrel, two valves arranged at opposite ends of said cylinder barrel and cooperating with said passages to control the flow of liquid to and from said cylinders, and means for maintaining said valves in operative relation with the ends of said cylinder barrel.

2,484,338
LUBRICATOR
Albert Feucht, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 26, 1944, Serial No. 569,779
5 Claims. (Cl. 184—55)



1. In a lubricator, a tubular conductor for pressure fluid, a tubular casing surrounding said conductor and enclosing an intermediate space constituting a lubricant reservoir, a control plate extending transversely through said conductor having parallel outer surfaces between said conductor and said casing at right angles to the conductor, said plate having a circular groove on each of its opposite sides, said plate having passages to connect the interior of said conductor with one of said grooves for establishing pressure therein, gravity actuated means for covering the lower portion of said groove and exposing the upper portion thereof, said plate having passages for connecting the other circular groove with a lubricant discharge port internally of said conductor, and gravity actuated means for covering the upper portion of said last named groove and exposing the lower portion as a lubricant intake.

2,484,339
SCREW-OPERATED VISE HAVING VERTICALLY ADJUSTABLE AND GUIDED NUT-BLOCK MOUNTING AND GUIDING A HORIZONTALLY MOVABLE VISE JAW
Henry Fuhr, Milwaukee, Wis.
Application January 2, 1948, Serial No. 43
2 Claims. (Cl. 81—33)

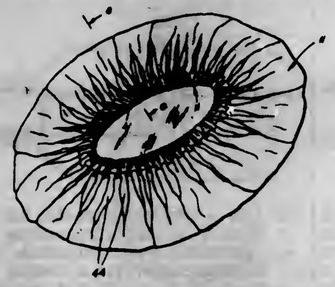


1. A two-way adjustable vise comprising a base having a fixed jaw at a right angle thereto, legs extending upwardly from an end of the base opposite the fixed jaw, a block slidably mounted upon the legs, means carried by the base and block for vertical adjustment of said block, a second jaw having guide rods slidably mounted in said block and a spindle in threaded union with the block and having one end swivelly connected to said second jaw.

2,484,340
METHOD OF MAKING ARTICLE COVERS
Charles E. Gardner, Queens, N. Y., assignor to Gardner Industrial Associates, Inc., Middlesex, N. J., a corporation of New York
Original application September 20, 1945, Serial No. 617,478. Divided and this application August 22, 1947, Serial No. 770,077
6 Claims. (Cl. 154—124)

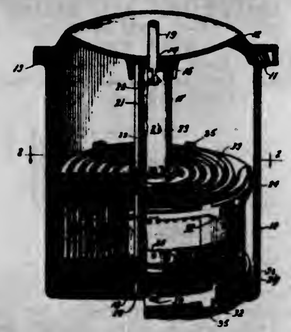
1. The process of making an article cover consisting of a body of flexible sheet material

having a head section and a stretchable neck portion, which process consists in taking a sheet blank made of a thermoplastic film material, turning down a rim section of said blank, applying a rubber band stretched to a normal condition of use for the cover to the rim of said turned down rim section, enclosing the rim of the blank



and the rubber band circumferentially in a channel shaped strip also made of a thermoplastic film material, and integrally thermo-sealing opposite side branches of the channel shaped strip to the rim material, thereby producing a cover having a contractible and distensible neck defining also a thermo-sealed-in binding trim for the cover.

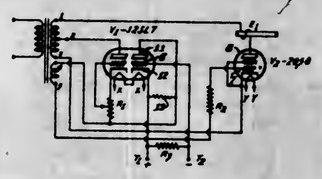
2,484,341
SPOOL FOR PHOTOGRAPHIC DEVELOPING TANKS
John C. Grover, Jr., Kansas City, Mo., assignor to Robert C. Brown, Jr., Highland Park, Ill., as trustee
Application February 21, 1946, Serial No. 649,336
4 Claims. (Cl. 95—100)



2. An end member for use in a developing spool, said end member having a single low pitch spiral groove to receive roll film and a plurality of high pitch spiral grooves to receive cut film.

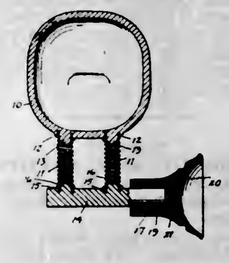
2,484,342
RELAY CONTROL CIRCUITS
Stephen V. Hart, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1945, Serial No. 619,402
5 Claims. (Cl. 175—320)

1. A relay control circuit including conductors normally maintained at a predetermined potential difference with respect to one another, a gaseous conduction device provided with an input circuit and with an output circuit including a relay to be controlled, a pair of electron discharge elements having their plate circuits connected in series and provided with input and output circuits, means connecting the input circuit of one of said elements to said conductors, and means including the output circuit of said electron dis-



charge element for applying to the input circuit of said gaseous conduction device component potentials which have a predetermined resultant in response to normal potentials between said conductors and have a different resultant in response to other than normal potential between said conductors.

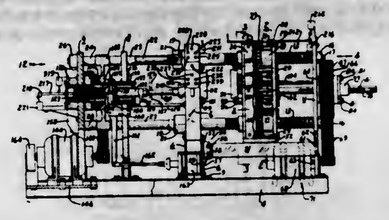
2,484,343
ANIMATED DECORATIVE DEVICE SIMULATING A BIRD OR THE LIKE
George E. Hawes, Bridgeport, Conn.
Application February 18, 1949, Serial No. 77,090
3 Claims. (Cl. 46—124)



1. An animated device of the character described, for attachment to a substantially vertically disposed plane surface, comprising a body member simulating a bird or the like, a pair of normally upright spring leg members of equal length and flexibility secured at their upper ends at transversely spaced horizontally aligned points to the lower side of said body member, a transverse normally horizontal perch bar in spaced relation below said body member, said leg members being secured at their lower ends at transversely spaced horizontally aligned points to the upper side of said perch bar, and a suction cup for attachment to said plane surface secured to one end of said perch bar, said suction cup having a circular attaching edge disposed in a vertical plane laterally spaced outwardly from said body member, and the longitudinal axis of said perch bar being normally perpendicular to the vertical plane of said attaching edge.

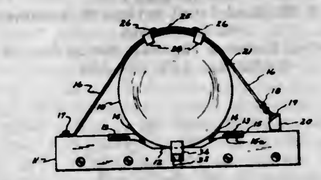
2,484,344
DIE CASTING MACHINE
Stanley Hiller and Stanley Hiller, Jr., Berkeley, Calif.
Application September 7, 1942, Serial No. 457,544
4 Claims. (Cl. 22—68)

1. In a machine of the class described, die mechanism, a ram for forcing material into such die mechanism and having screw threads thereon; and driving means for moving the ram including a rotatable nut cooperable with the threads, means restricting axial movement of the



nut, a rotatable flywheel, and mechanism enabling establishment of a drive between the flywheel and the nut after initiation of rotation of the flywheel.

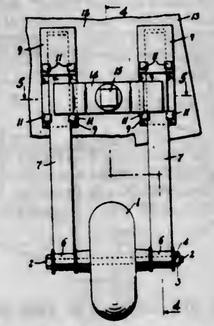
2,484,345
TELEVISION TUBE SUPPORT
Henry E. Hinz, Maywood, Ill.
Application June 29, 1948, Serial No. 35,850
7 Claims. (Cl. 250—141)



1. A support for a television picture tube on a radio chassis comprising, in combination, lower support means on said chassis at the front of the tube, comprising a base on which the tube rests, mid section support means comprising a bracket mounted on said chassis near the mid section of said tube having a hole therein to receive the tube neck, top holding means comprising a strap over the large end of the tube fixed to the said chassis at one end and adjustably fastened to anchor bracket means at the other, said anchor bracket means being mounted on said chassis, front holding means comprising a bracket mounted on said strap, having lugs extending over the front edge of the tube and a spring means between the said mid section support means and said front holding means to urge the two said means together and thereby hold the tube firmly.

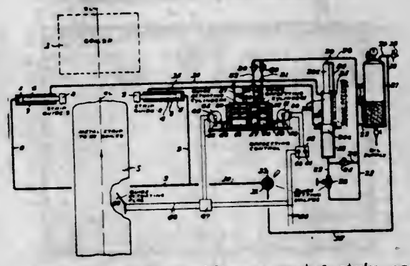
2,484,346
WHEEL SUPPORT AND CARRIER ATTACHMENT FOR TRANSPORTING BOATS
Martin E. Iorns, Los Angeles, Calif.
Application September 6, 1947, Serial No. 772,548
1 Claim. (Cl. 280—61)

In a wheeled support and carrier for a boat, a pair of brackets having portions of an inverted U-shape, fastenings for securing said brackets to the stern of a boat, a pair of leaf spring arms each having one end thereof removably mounted in said U-shaped portions of said brackets and held against lateral displacement by means of said fastenings, an axle supported by and between the other ends of said arms, a wheel supported on said axle, means for clamping said arms in said brackets, including a bar having each of its ends overlying and bearing respectively against each of said arms beneath said U-shaped portions, and means for adjustably securing said



bar to the stern of said boat for detachably removing said wheeled support from said brackets.

2,484,347
FLUID OPERATED STRIP GUIDE
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1946, Serial No. 671,562
7 Claims. (Cl. 271—2.6)

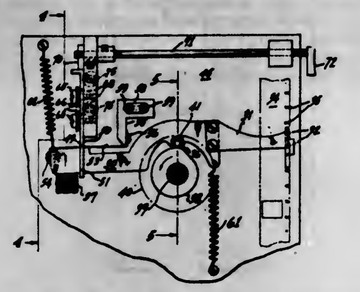


4. Mechanism for guiding a metal strip comprising a pair of oppositely disposed side guides, means for substantially constantly urging the guides toward one another, a variable-volume liquid-pressure means for each guide for moving it in opposition to the first-mentioned means, a volume-changing means for each of said liquid-pressure means for increasing or decreasing the liquid volume thereof, and means controlled by the strip for actuating the volume-changing means.

2,484,348
CLAW PULL-DOWN MECHANISM
Edward W. Kellogg, Haddonfield, and Warren R. Isom, West Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 16, 1947, Serial No. 741,834
14 Claims. (Cl. 88—18.4)

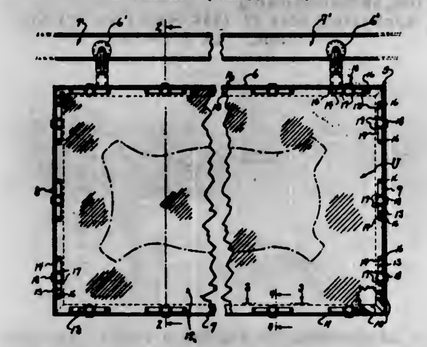
4. An intermittent film advancing mechanism comprising an arm having one end pivoted and the other end movable in a predetermined path, a rotatable cam intermediate the ends of said arm and adapted to move the movable end of said arm in said predetermined path, and a pivot construction for said arm, said pivot construction including a mounting having a pair of elements connected to the pivot end of said arm, one of said elements having its axis substantially parallel with the axis of said arm and the other

of said elements having its axis substantially perpendicular to the axis of said arm and adjustable



along said arm with respect to said perpendicular position.

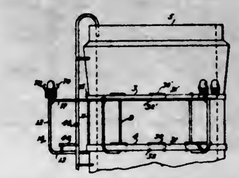
2,484,349
LEATHER DRYING UNIT
Daniel Allcott Kelly, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis.
Application July 24, 1947, Serial No. 763,424
1 Claim. (Cl. 69—19)



A drying and pasting unit for hides comprising an open rectangular frame including upper and lower rails and end rails connected to the terminals thereof, said rails being of an angle shape in cross-section, and including inwardly extending stop flanges and outwardly extending supporting flanges, a smooth sheet of glass detachably received within the frame and fitted against the stop flanges, supporting arms carried by the outwardly extending flanges at spaced points and having portions thereof arranged in spaced parallel relation to the stop flanges, and leaf springs, slidably fitted under the arms having arcuate terminals bearing against the face of the glass opposite to the face engaging the stop flanges, said arms also including base portions engaging the outer faces of the supporting flanges, said arms being insertable in the frame through slots in the supporting flanges.

2,484,350
OBSTRUCTION LIGHTING STRUCTURE
Clyde K. Lamb, Cleveland, Ohio, assignor, by mesne assignments, to Lamb & Chapin, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application May 21, 1946, Serial No. 671,320
3 Claims. (Cl. 240—2)

1. An obstruction lighting structure comprising a substantially U-shaped member, said member being secured to a cylindrical upright work surface and having an upwardly extending leg portion, an outwardly extending yoke portion, and an upwardly extending leg portion spaced from said first mentioned leg portion, a cylindrical band adapted to be secured to said outwardly spaced



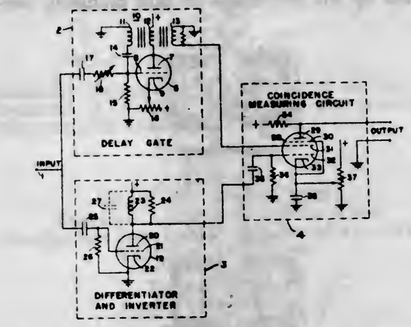
leg portion adjacent an upper portion thereof, a platform associated with said cylindrical upright work surface and adapted to be disposed adjacent the yoke of said U-shaped member whereby a platform is provided for a workman, said cylindrical band acting as a guard rail to protect said workman.

2,484,351
SHOE LAST
Eskel J. McDaniel and Arthur R. Summers, St. Louis, Mo.
Application October 12, 1948, Serial No. 54,176
5 Claims. (Cl. 12—136)



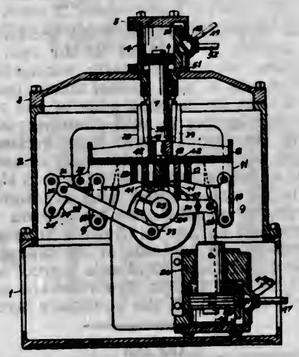
1. A collapsible shoe last comprising separable toe and heel parts having complementary abutting surfaces inclined between the longitudinal and transverse axes of the last, a last-mounting orifice projecting transversely into said heel part from its upper surface, longitudinal depressions in said surfaces, a swivel link connecting said parts and projecting into said depressions, said link having a slotted aperture in the toe end and a round aperture in heel end thereof, pivot pins extending through said apertures and said parts and substantially spaced inwardly of said abutting surfaces for adequate reinforcement against breakage of the last material during lasting, said abutting surfaces having stepped portions for limiting swivelling of said parts in one direction from their normal, functioning positions and said link preventing longitudinal separation of said parts when in said position, a pair of normally aligned orifices in said parts spaced from said depressions and extending from the upper surface of said heel part and intersecting said surfaces at substantially 90° thereto, a lining sleeve firmly lodged in said heel part orifice and having an internal, apertured shoulder spaced inwardly from the outer edge of said heel part orifice, and a detent pin having an enlarged lower part normally closely fitting the adjacent portions of said aligned orifices, a reduced intermediate portion slidably guided by said apertured shoulder, and an enlarged, conical handle portion for seating against said upper edge of said last mentioned orifice to limit the projection of and to center said detent pin in its extended position.

2,484,352
PULSE LENGTH DISCRIMINATOR
Glenn H. Miller, Rochester, and James A. Krumhansl, Penfield, N. Y., assignors to Stromberg-Carlson Company, a corporation of New York
Application March 26, 1946, Serial No. 657,174
6 Claims. (Cl. 250—27)



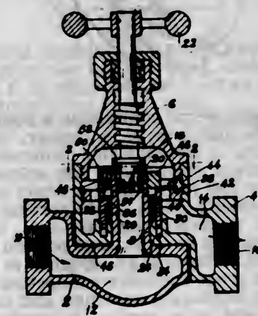
1. In a pulse length discriminator, a blocking oscillator normally biased beyond cut-off, means utilizing input pulse signals of substantial duration for causing said oscillator to produce a relatively short pulse a predetermined time after the receipt of each input signal, a normally inoperative inverting and differentiating circuit, means utilizing said input signals for causing said inverting and differentiating circuit to produce a relatively short pulse of the same sense as said first-mentioned relatively short pulse at the termination of each of said input pulse signals, and circuit means for comparing the degree of coincidence of said pulses and producing an output pulse whenever the compared pulses have substantial coincidence.

2,484,353
METAL TRIMMING MACHINE
Henry Earl Morton, Muskegon, and Homer B. Clark, Muskegon Heights, Mich.
Application June 7, 1944, Serial No. 539,076
7 Claims. (Cl. 90—24)



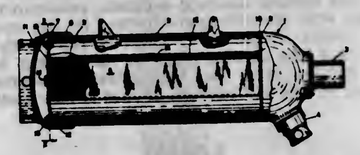
1. A metal trimming machine comprising, a rotatable ramp mounted on a horizontal axis having a metal trimming cutter extending therefrom, a vertically removable crosshead, means for moving the crosshead vertically, a horizontally shiftable frame, a pair of links pivotally mounted on the crosshead in spaced parallel relationship and extending substantially vertically upwardly therefrom, the shiftable frame pivotally attached to the upper ends of the pair of links, an upper ramp having a metal trimming cutter extending downwardly therefrom secured to the shiftable frame, and means for shifting the shiftable frame on the pivoted links when the first mentioned ramp is rotated.

2,484,354
ADJUSTABLE PIPE CONNECTION
John O'Shaughnessy, Trenton, N. J.
Application October 22, 1945, Serial No. 623,707
5 Claims. (Cl. 251—157)



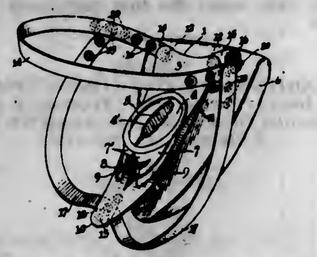
2. A valve comprising two body members, one of which embodies a tubular shank with a valve seat on the end thereof, and the other of which surrounds said shank and is rotatably mounted thereon, means forming a passage extending through said body members and shank, a valve carried by one of said members and movable into and out of engagement with said valve seat, packing engaging the outer surface of said shank, a sleeve surrounding said packing to hold it in place, retaining means in threaded engagement with one of said members for holding said sleeve in place, and means carried by said shank and engaging said retaining means for preventing relative axial displacement of said members.

2,484,355
REACTION MOTOR WITH PROPELLANT CHARGE MOUNTED IN IT
John W. Parsons, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application April 23, 1945, Serial No. 589,795
14 Claims. (Cl. 60—35.6)



1. A jet propulsion motor comprising a firing chamber having a longitudinal axis and an exhaust nozzle coaxial with the axis and located at an end of the chamber, a pan within said firing chamber, a propellant charge in said pan, the charge having a flat exposed surface substantially parallel with said axis and means for igniting the charge and means for holding said pan securely in position.

2,484,356
PORTABLE URINAL
Louis P. Ribeiro and Hazel W. Ribeiro, Saylersburg, Pa.
Application December 18, 1947, Serial No. 792,440
10 Claims. (Cl. 128—295)



1. A portable urinal comprising a body portion for fitting to the loin of a wearer, said body portion having a resilient ring protruding from its inner surface surrounding the urinary organ of the wearer and for forming a liquid proof seal with the wearer's body, a diaphragm of soft liquid proof material spanning said ring and having an opening in its central portion, a liquid proof receptacle having an opening in its rear wall, a liquid proof enclosure connecting said receptacle and diaphragm openings, and means for supporting said body portion in position on a wearer.

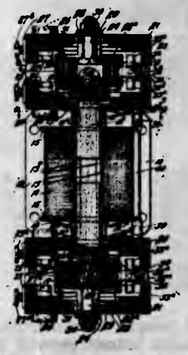
2,484,357
FISHLINE SINKER
Earl B. Schwenk, Seattle, Wash.
Application October 14, 1946, Serial No. 703,212
2 Claims. (Cl. 43—52)



1. A fish line sinker comprising a sinker body; two tubular socket members embedded in said sinker body at opposite ends thereof, the inner end portions of said socket members being unobstructed so as to provide shoulders; two line guiding clips applicable to portions of a fish line removed from the ends of the line, each line guiding clip comprising a piece of doubled spring wire having at its doubled end an eye portion disposed substantially at right angles to the remainder of said clip and having at its other end at least one out turned inclined portion, said line guiding clips fitting said socket members and said out turned inclined portions releasably engaging with the shoulders formed by the ends of said socket members to thereby releasably attach said line guiding clips to said sinker body; and friction type fish line gripping means attached to one end portion of said sinker body.

2,484,358
RELAY
George M. Stapleton, Sea Cliff, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application December 22, 1945, Serial No. 637,055
6 Claims. (Cl. 200—103)

6. Controlling apparatus comprising an electromagnet having a solenoid winding and two non-rotatable magnetic plungers actuated in opposite directions to each other upon excitation of said winding, a housing located opposite each end of said winding respectively, fixed contacts supported within each of said housings respectively, rotatable controlling means within each of said housings respectively and rotatable about the axis of said winding in planes perpendicular to the axis of said winding and respectively actuated by the movement of said plungers, con-



tacts carried by said rotatable means respectively for engaging and disengaging said fixed contacts upon movement of said rotatable means as controlled by the movement of said plungers, and means connected between said rotatable means for locking said plungers against movement under mechanical shocks tending to move said plungers in the same direction as each other.

2,484,359
CONTROL BOOSTER FOR AIRCRAFT
William D. Tipton, Stoneleigh, Md.; Elizabeth Barrett Tipton executrix of said William D. Tipton, deceased
Application May 12, 1945, Serial No. 593,394
3 Claims. (Cl. 244—87)



1. In an airfoil having a fixed section and a movable section, a chamber in the rear of the fixed section; means pivotally connecting the sections, the axis of said pivotal means being disposed such that the leading edge of the movable section is oscillatable in said chamber; slots for conducting air through said fixed section from the leading edge thereof into said chamber on either side of said movable section, said slots and sections being constructed and arranged such that movement of said movable section from a neutral position causes air flowing through said slots to impinge on one side of the movable section forwardly of the pivotal axis thereof to assist movement thereof and to flow over the opposite side thereof to wash off the boundary layer.

2,484,360
SAFETY TURNBUCKLE
Samuel Toorans, Upper Darby, Pa., assignor of ninety-five per cent to Milton Toorans, Lansdowne, Pa.
Application April 22, 1948, Serial No. 22,670
1 Claim. (Cl. 287—60)

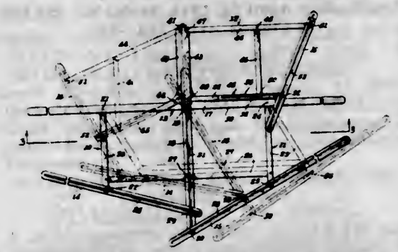
A turnbuckle safety device consisting of a bent strap, said strap including peened edges to form

a slideway, a pair of flat bars received in said strap, a depression in the center of said strap, a pin and a spring clip secured to said strap



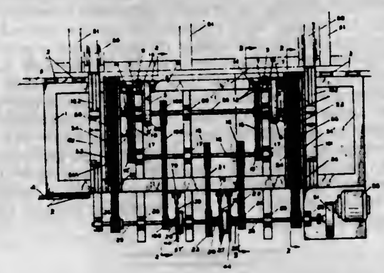
centrally thereof and pins mounted at the extremities of each bar, all of said pins and said clip retaining a turnbuckle therein.

2,484,361
DRAWING INSTRUMENT
Eugene S. Upton, Los Angeles, Calif.
Application January 22, 1946, Serial No. 642,661
8 Claims. (Cl. 33—77)



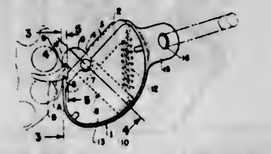
1. A device of the character described comprising a base having a longitudinal edge, and a pair of frames pivotally carried by the base, each frame comprising a parallelogram having sides composed of a portion of said base, a link, a strap connecting the links, and a common bar pivoted to the base, each frame further including a straight-edge carried by each link, respectively and by the common bar.

2,484,362
LOG TURNER
John A. Weber, Portland, Oreg., assignor to John T. Anderson, Portland, Oreg.
Application September 15, 1944, Serial No. 554,253
6 Claims. (Cl. 143—97)



1. A log handling mechanism comprising a log deck, a carriage movable to a position adjacent said log deck, a shaft journalled on said carriage, a log turning arm rigidly mounted on said shaft and normally held by gravity in a horizontal inoperative position, a spur gear keyed on said shaft, a stub shaft journalled on said carriage, a mutilated gear mounted on said stub shaft and engageable with said spur gear to move said turning arm, said gears being engageable for a partial revolution of the spur gear while the mutilated gear makes a complete revolution to swing the turning arm upward to a predetermined position for turning the log and then said spur gear and turning arm moving back to a normal position to release the log, means for driving said mutilated gear to operate said arm, glider bars movably mounted on said deck to receive the log as it is turned by said arm, and means for moving the glider bars to positions inclined toward said carriage to move the turned log toward and onto said carriage after the turning arm has returned to normal position.

2,484,363
PENCIL HOLDER FOR TELEPHONES
Merle J. West, Los Angeles, Calif., assignor of one-half to F. B. Page and one-half to J. A. Sparkman, Huntington Park, Calif.
Application December 12, 1947, Serial No. 791,331
6 Claims. (Cl. 24—10)



1. A pencil holder adapted for attachment to the finger stop of a dial telephone, involving: a plate having a folded and slotted margin; a dual fixed jaw formed in said slotted margin and arranged to fit an edge of a telephone finger stop; a lever pivotally connected to said plate and having a jaw portion extending through said slotted margin and arranged to engage the edge of said telephone finger stop opposite from the edge engaged by said fixed jaw; yieldable means urging said jaws in gripping relation; and means for supporting a pencil relative to said plate.

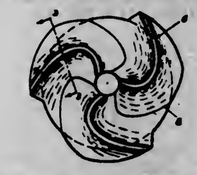
2,484,364
ROTARY TOOL
Edgar R. Whitledge, Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application May 18, 1946, Serial No. 670,810
5 Claims. (Cl. 192—.096)



1. In a power tool, a motor, a clutch assembly comprising a driving clutch member operatively

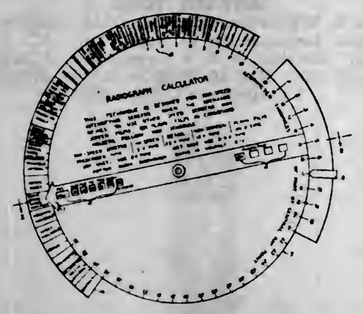
connected with said motor and a driven clutch member relatively movable toward and away from said driving member, a sliding bearing for said driven clutch member enabling its movement relative to said driving clutch member, power control means located at the rear end of the tool, and actuating means therefor adapted to be shifted by said driven member for causing said power control means to set in motion said motor as the clutch members come into engaging relation, said actuating means comprising a longitudinally slidable rod extending axially of and through said clutch assembly and motor.

2,484,365
ROCK DRILL BIT
Samuel Thomas Gerald Wilsher, Merritton, Ontario, Canada, assignor to Charles E. Seley, Erie, Pa.
Application October 27, 1947, Serial No. 782,366
4 Claims. (Cl. 255—64)



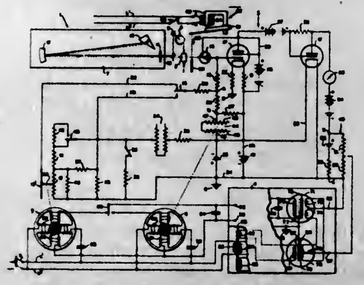
3. A rock drill bit comprising a body portion having a central bore and a counterbore defining a socket, and triangular shaped, arcuate cutting teeth extending laterally outwardly from said central bore on one end of said body portion, the radius of curvature of said cutting teeth varying in proportion to the variation in radius outwardly from the center of said drill bit.

2,484,366
RADIOGRAPH CALCULATOR
John W. Wilson, Berkeley, Calif.
Application June 14, 1947, Serial No. 754,667
8 Claims. (Cl. 235—88)



1. In a calculator of the type described, a base disc having a pivot point and bearing a first series of characters arranged in different sectors about said pivot point and at different radial distances therefrom; an intermediate disc mounted over said base disc for rotation and arranged to cover said first series of characters, having a plurality of slots positioned at different radial distances to register with selected characters of said first series, and bearing a second series of characters arranged in different sectors thereof; a facing disc mounted over said intermediate disc for rotation having two apertures, the first aperture being positioned to register with any of the characters of the second series to permit selective reading of the characters of the second series, the second aperture being positioned to register with any of the apertures in the intermediate disc to permit selective reading of the characters of the first series; a first index and an annular series of characterss, one on the face disc and the other on the intermediate disc, adapted to be brought into coincidence; and an annular scale bearing graduations and a second index, one on the face disc and the other on the base disc, adapted to be brought into coincidence.

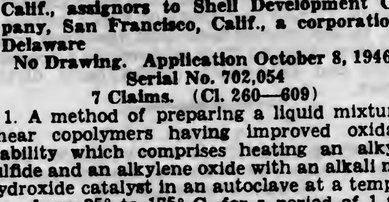
2,484,367
STANDARDIZED MOTOR CONTROL SYSTEM
Walter P. Wills, Germantown, and Leonard Stanton, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 26, 1944, Serial No. 532,738
18 Claims. (Cl. 318—28)



17. The combination with a normally balanced measuring circuit having a running condition and a standardizing condition and comprising an unstable variable source of current adapted to unbalance said circuit, a slidewire resistance adapted to rebalance said circuit and variable resistance to compensate for circuit unbalancing factors due to instability of said variable source of current, reversible motive means to actuate said slidewire resistance and separate reversible motive means to actuate said variable resistance, means connected to said measuring circuit and responsive to the state of balance of said circuit adapted to control both of said motive means for operation during alternate intervals, switching means to render said responsive means operative to control one or the other of said motive means for operation, switching means to adjust said measuring circuit from its running condition to its standardizing condition, a motor, and a plurality of cams driven by said motor and adjustably secured in relation to each other so that one of said cams operates said first mentioned switching means to render said responsive means operable to control said second mentioned motive means and then another of said cams actuates said second mentioned switching means.

2,484,368
ADJUSTABLE PISTOL SIGHT
Ellis H. Young, Dayton, N. J., assignor of one-half to J. M. Dockstader, Woodbridge, N. J.
Application July 16, 1946, Serial No. 684,012
3 Claims. (Cl. 33—58)

1. In a pistol of the class described in combination, a frame, a gun barrel, a sighting unit extending substantially the length of the barrel and frame pivotally connected at its central portion to the top of the barrel and in vertical alignment with the longitudinal axis of the barrel, and carrying a forward and a rear sight



means to provide vertical angular adjustment of the sighting unit with respect to the bore of the gun, whereby when one end of the sighting unit is lowered the opposite end is raised directly above the barrel, and vice versa.

2,484,369
LIQUID CONDENSATION POLYMERS OF BIS (HYDROXYALKYL) SULFIDES AND BIS (HYDROXYALKYL) POLYSULFIDES
Seaver A. Ballard, Orinda, Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 8, 1946, Serial No. 702,053
11 Claims. (Cl. 260—608)

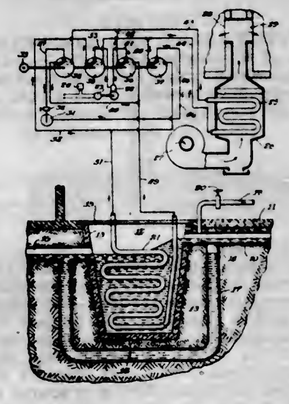
1. A composition of matter suitable for use as a synthetic lubricant consisting essentially of a liquid condensation polymer of a compound from the group consisting of bis (hydroxyalkyl) sulfides and bis (hydroxyalkyl) polysulfides, said condensation polymer having a molecular weight of 200–1500, and having been prepared by heating the said compound with 0.002–10% by weight of a dehydration catalyst at a temperature of 150–300° C. for a period of 2–6 hours.

2,484,370
LIQUID SULFOALKYLENE-OXYALKYLENE COPOLYMERS
Seaver A. Ballard, Orinda, Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 8, 1946, Serial No. 702,054
7 Claims. (Cl. 260—609)

1. A method of preparing a liquid mixture of linear copolymers having improved oxidation stability which comprises heating an alkylene sulfide and an alkylene oxide with an alkali metal hydroxide catalyst in an autoclave at a temperature from 25° to 175° C. for a period of 1 to 40 hours, the molar ratio of sulfide to oxide being from 1:100 to 1:1, the time and temperature being so regulated as to produce a mixture of copolymers having an average molecular weight from 200 to 1500.

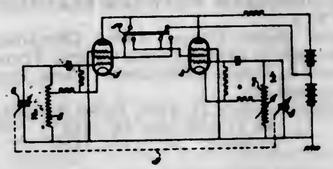
2,484,371
PUMP UTILIZING THE HEAT OF LIQUIDS IN A PLUMBING SYSTEM
John R. Bayston, Chicago, Ill.
Application December 4, 1947, Serial No. 789,601
2 Claims. (Cl. 62—129)

1. In a space heating and cooling system including a heat exchange system having a compressor and an expansion valve, with a reversing valve and a pair of heat interchanging coils adapted to alternately function as an evaporator and a condenser, the improvement that resides in the provision of a heat source for the evaporator consisting of a liquid reservoir in the waste



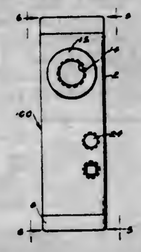
line of the plumbing system, the reservoir having an inlet from the waste line near the top of the reservoir and an outlet to drain at a lower level than said inlet, together with a by-pass from the inlet directly to the outlet and a cold water supply line to the reservoir.

2,484,372
HARMONIC GENERATOR
Lourens Blok, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 16, 1946, Serial No. 684,070
In the Netherlands January 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1963
4 Claims. (Cl. 250—36)



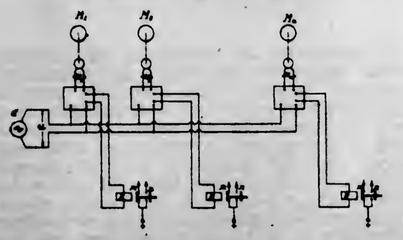
2. Apparatus for generating two oscillations whose respective frequencies are maintained in harmonic relation, said apparatus comprising two oscillation generators each including an electron discharge tube provided with a cathode, a grid, a screen grid, a suppressor grid and an anode, and an oscillatory network operatively coupled to said cathode, said grid and said suppressor grid, the networks of said generators being respectively arranged to produce oscillations substantially in harmonic relation, the screen grid of one tube being coupled to the anode thereof, means for maintaining the screen grid of the other tube at a constant potential, means intercoupling the anodes of said tubes, and switching means for interchanging the connections of the respective screen grids of said tubes.

2,484,373
CONTROL VALVE FOR HYDRAULIC SYSTEMS
Guenther Brinkmann, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 11, 1943, Serial No. 505,796
4 Claims. (Cl. 137—153)



1. A valve mechanism comprising, in combination, a casing having a valve bore opening at one end to a pressure chamber and at the other end to an open spring chamber, and formed with two axially-spaced fixed inlet ports and an outlet port opening to the periphery of said bore, said inlet ports being connected to said pressure chamber and adapted for connection to a source of pressure fluid, a valve member reciprocable in said bore and formed with an axial by-pass bore opening to said spring chamber and with a by-pass valve port opening from the periphery of said member to said axial bore for movement into and out of communication with one of said inlet ports, spring means disposed in said spring chamber and acting on said valve member to urge said member toward a closed position, said valve member being formed with a second axial bore in constant communication with said outlet port and with an inlet valve port opeing from the periphery of said member to said second bore for movement into and out of communication with the other of said inlet ports, said valve ports being spaced more closely than said inlet ports.

2,484,374
APPARATUS FOR DETECTING BREAKS OF SYNCHRONISM BETWEEN ELECTRIC MACHINES
François Michel Cahen, André Chevallier, and Pierre Marie Ernest Henriet, Paris, France, assignors to Union d'Electricite, Paris, France, a French society
Application May 11, 1946, Serial No. 669,042
In France May 14, 1945
7 Claims. (Cl. 177—311)



1. For use in connection with an alternating current network and a plurality of machines connected with said network, an apparatus for disclosing the lead or lag of at least one of said machines with respect to the others which comprises, in combination, means driven directly by the rotors of said machines for producing auxiliary electromotive forces corresponding respectively to their working conditions, means for supplying a reference electromotive force, and means for comparing said auxiliary electromotive forces with said reference electromotive force, respectively, synchronized under normal working conditions with a voltage proportional to the sum of the respective voltages of said machines.

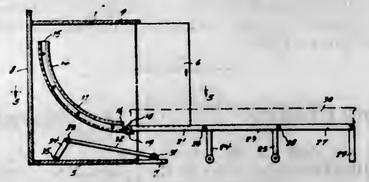
2,484,375
CORN PRODUCTS
Ralph Cover, Westminster, Md., assignor to The United Products Company, Westminster, Md., a corporation of Maryland
No Drawing. Application January 20, 1947, Serial No. 723,206
10 Claims. (Cl. 99—186)

1. The process of preparing a corn product comprising removing corn silks, cob tissues and worms by water from kernels of corn selected from the class consisting of whole kernels and parts of whole kernels of corn after removal from the cob, reducing said kernels to a finely divided state and mixing in the substantial absence of corn scrapings the resulting product with kernels of corn which are substantially free of corn silks, cob tissues and worms, and which are selected from the class consisting of whole kernels and parts of whole kernels of corn.

2,484,376
CREAM STYLE CORN
Ralph Cover, Westminster, Md., assignor to The United Products Company, Westminster, Md., a corporation of Maryland
No Drawing. Application January 20, 1947, Serial No. 723,207
8 Claims. (Cl. 99—186)

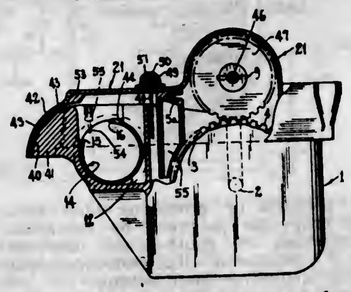
1. The process of preparing a cream style corn product comprising removing corn silks, cob tissues and worms by water from kernels of corn selected from the class consisting of whole kernels and parts of whole kernels of corn after removal from the cob, reducing said kernels to a finely divided state and mixing in the substantial absence of corn scrapings the resulting product with kernels of corn which are substantially free of corn silks, cob tissues and worms and which are selected from the class consisting of whole kernels and parts of whole kernels of corn, in such proportions that the final cream style corn contains 20 to 40% of the unreduced kernels and 35 to 55% of the finely divided product.

2,484,377
COMBINED CREDENZA AND FOLDING BED
Helen Eramo, Joseph Marino, and Americo T. Eramo, Brooklyn, N. Y.
Application July 5, 1947, Serial No. 759,146
10 Claims. (Cl. 5—158)



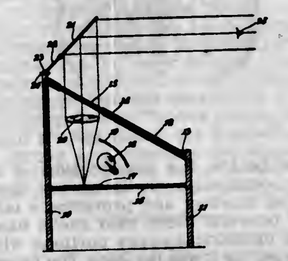
1. A combined credenza and folding bed comprising a cabinet having a front opening, a pair of confronting arcuate tracks on the inner faces of the sides of said cabinet, a bar mounted slidably on said tracks, a folding bed secured at its end to said bar, a horizontal ramp pivoted to said cabinet at the lower end of said opening, means connected to said ramp adapted to be contacted by a portion of said bed within said cabinet for raising said ramp.

2,484,378
DEVELOPING TANK FOR DEVELOPING PHOTOGRAPHIC FILMS
Samuel Freeman, New York, N. Y.
Application January 19, 1945, Serial No. 573,599
2 Claims. (Cl. 95—90.5)



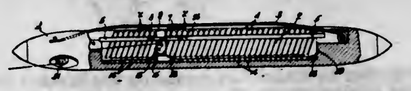
1. A light-tight tank device for developing photographic film, comprising a tank which has an open top, said tank having aligned walls, said walls being imperforate and having internal bearing recesses below said top, a spool-shaft mounted turnably in said bearing recesses, take-up spools fixed to said shaft, a pull-device, one end of said pull-device being fixed to said shaft, a light-tight cover movably seated on the top of said tank, an operating shaft which is located above the top of said tank, said cover having cover-bearings above the top of said tank in which said operating shaft is turnably mounted, means external to said cover for turning said operating shaft, means connecting said operating shaft and said spool-shaft.

2,484,379
IMAGE PROJECTION SYSTEM FOR SPEAKERS' STANDS
Herman S. Goldberg, Dayton, Ohio
Application September 16, 1947, Serial No. 774,258
3 Claims. (Cl. 88—24)



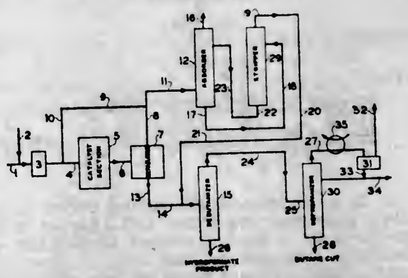
1. In a speaker's stand or the like, a stand structure having a fixed support for an object to be rendered visible to an observer standing in rear of the stand, a light source for illuminating such object, a magnifying element for producing an image of such object, a transparent reflector coordinated with said element for receiving, reflecting and rendering visible the image in one direction, that is in the direction of such observer, said reflector being adapted for the passage therethrough of light rays in that one direction as well as in the opposite direction, and an adjustable holder for the reflector to facilitate the positioning thereof.

2,484,380
COP RETAINER FOR LOOM SHUTTLES
Edward Green, West Moorestown, N. J., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 22, 1949, Serial No. 72,135
13 Claims. (Cl. 139—198)



1. A loom shuttle having a longitudinal cop chamber, a cop follower, a track on which the follower is supported for movement longitudinally of the chamber, guide means for the follower on the side walls of the chamber, and means for limiting the follower to one direction of longitudinal movement in the chamber.

2,484,381
PURIFICATION OF CARBONYL SULFIDE CONTAMINATED HYDROCARBON GASES
Arthur B. Johnson, Berkeley, and John T. Higgins, Richmond, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 26, 1947, Serial No. 763,806
12 Claims. (Cl. 260—676)

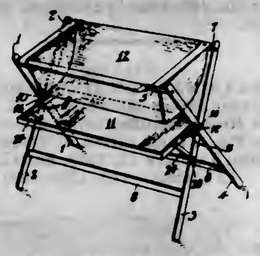


4. A process for treating carbonyl sulfide contaminated hydrocarbon gases to effect separation of the carbonyl sulfide therefrom, which comprises commingling said gases with added hydrogen, contacting the commingled hydrocarbon gases and hydrogen with a hydroforming catalyst under operating conditions suitable to hydroform a petroleum naphtha, and recovering from the effluent of the catalytic zone carbonyl sulfide-free hydrocarbon gases.

2,484,382
SUPPORTING STAND AND SHELF
Dewey M. Kennedy, Rochester, N. Y.
Application September 11, 1945, Serial No. 615,557
2 Claims. (Cl. 248—166)

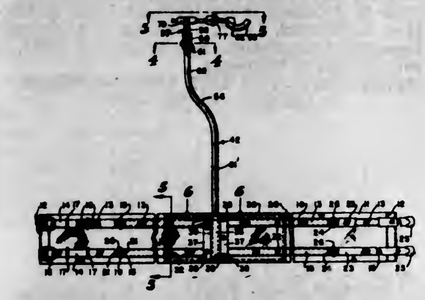
1. In a foldable supporting stand including two pairs of foldable cross-legs, the improvement which comprises a shelf for the stand, a pin pivotally connecting each pair of cross-legs together, a spring clip, means on one end of each pin for engaging the spring clip, a bracket at each

end of the shelf arranged to be supported on one of the pins, means on the bracket for engaging the spring clip to secure the bracket to the pin, said pairs of cross-legs being set with a space therebetween whereby the legs may be pressed



together to detach the means on the bracket from the spring clip in the removal of the shelf, and means for bracing the shelf in its horizontal operative position, said shelf being pivotal on the pins whereby it may be swung to assume an inoperative position in parallelism with the legs.

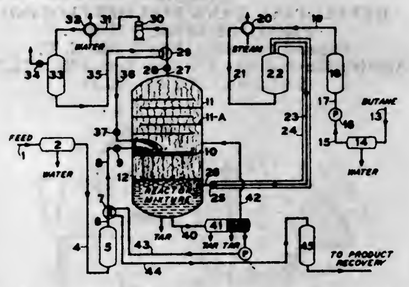
2,484,383
INSTRUMENT SUPPORTING DEVICE
Robert E. Lee, Los Angeles, Calif.
Application August 25, 1947, Serial No. 770,425
3 Claims. (Cl. 224—5)



1. In an instrument supporting device: a relatively wide body encircling belt adapted to rest on the hips; a bracket secured to said belt and having a generally vertical bore; a groove extending longitudinally along one side of said bore; a generally S-shaped upstanding member having one end received in said bore; a pin in said end of the S-shaped member, said pin being received in the groove and adapted to move longitudinally and laterally of said groove; means for securing the S-shaped member in the bore of the bracket; and an instrument carrying member adapted to extend over the user's shoulder in spaced relation thereto.

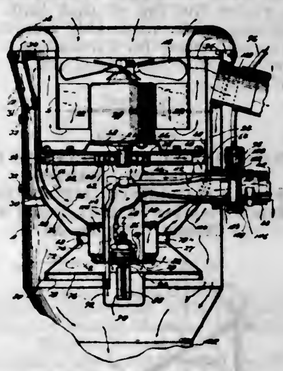
2,484,384
POLYMERIZATION PROCESS
Irving E. Levine and Leon T. Folsom, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application February 11, 1946, Serial No. 646,732
14 Claims. (Cl. 260—683.15)

1. In a process of producing high molecular weight olefin polymers at a reaction temperature between about 150° F. to about −30° F., the steps of providing as a catalyst a solution of a Friedel-Crafts type, normally solid metal halide catalyst in hot liquid butane containing less than 0.01 mol per cent of olefins and less than 0.1 mol per cent of C_5 and higher paraffin hydrocarbons, introducing said catalyst solution into a polymerization reaction mixture, maintained at a temperature and pressure substantially lower than that of the catalyst solution, below the liquid surface of said mixture, and causing intimate distribution of the normally solid catalyst throughout the reaction mixture.



7. A processs of producing high molecular weight propylene polymers by catalyzing the polymerization of liquid-phase propylene by means of a solution of aluminum chloride in substantially olefin-free liquid butane.

2,484,385
FLUID FUEL BURNING INTERNAL-COMBUSTION AIR HEATER
Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 3, 1945, Serial No. 619,981
12 Claims. (Cl. 126—116)



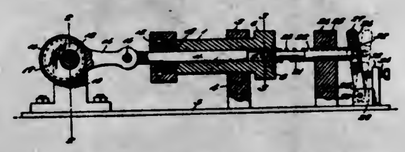
1. In a heater, the combination of a pair of generally concentric shells having their upper rims sealed together and providing a combustion chamber between them, said shells having substantially cylindrical upper portions with downwardly tapering lower portions, the tapering portion of the inner shell terminating in a central cup with ports opening laterally toward the outer shell, said outer shell having a conical portion surrounding said cup and tapering upwardly to form a constricted zone around the cup and above its said ports, said conical portion having a bottom wall with a central well, a fuel feed pipe extending into said well, an igniter of the hot wire type supported by the bottom of said cup and extending into said well, means supplying combustion air to said inner shell for discharge through said ports to form a combustible mixture with the fuel vaporized in said well, and an exhaust passage leading from the upper portion of said combustion chamber.

2,484,386
MOTOR ROTOR
Arthur Reynold Meusedorffer, North Hollywood, Calif., assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application February 23, 1946, Serial No. 649,597
10 Claims. (Cl. 172—120)



1. A rotor for a hysteresis type electric motor, including an assembly of concentric contacting magnetizable rings, a rotor shaft axially disposed through the assembly of rings, a plurality of segmental flaring nonmagnetic shims wedged between the shaft and surrounding ring assembly in overlapping relations from opposite ends of the ring assembly, and terminal wing portions on the shims projecting beyond the terminals of the ring assembly, and laterally curved to afford miniature fan blades for circulating air currents through and around the ring assembly.

2,484,387
PUMP
Donald G. Miller, Reno, Nev.
Application July 27, 1945, Serial No. 607,404
5 Claims. (Cl. 103—37)



1. A pressure-controlled pump comprising a cylinder mounted for sliding movement, means on the ends of said cylinder for limiting its endwise movement, a piston mounted for reciprocating movement in said cylinder, said piston being retained in said cylinder at all times, spring means yieldably resisting movement of the cylinder during movement of the piston in a power stroke, and pivoted means for regulating tension of said spring and allowing movement of the cylinder with the piston when pressure exerted by the piston exceeds a predetermined degree.

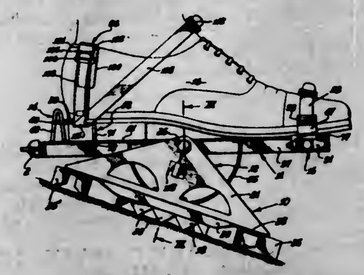
2,484,388
NECKTIE
Samuel Reiner, Brooklyn, N. Y.
Application May 22, 1947, Serial No. 750,824
4 Claims. (Cl. 2—148)

2. A necktie comprising an outer fabric body having a front end providing a knot-tying portion and a rear end providing a knot-center portion around which said knot is adapted to be tied and an intermediate neck-encircling portion, a lining disposed within said body extending throughout said knot-center portion with the adjacent portion of said outer fabric body smoothly and freely disposed thereover, said lining being a relatively heavy-bodied ribbed webbing having fabric ribs extending in a transverse direction to thereby provide a corrugated surface apart from



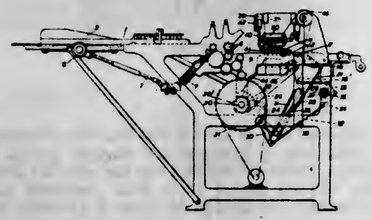
and disposed within said outer fabric body which manifests itself through said outer fabric, thereby resisting movement longitudinally thereof of a knot tied thereabout, and a less heavy-bodied fabric lining extending throughout said knot-tying portion and connected to said first lining portion.

2,484,389
SPORT SHOE AND MEANS OF ATTACHMENT
Herman E. Schatz, Ocean Park, Calif.
Application February 20, 1947, Serial No. 729,711
12 Claims. (Cl. 36—7.6)



1. An attachment for supporting a shoe in substantially a horizontal position when walking on inclined surfaces including: a surface engaging member, a shoe support carried by said member, means for adjusting the relative vertical spacing of both ends of the support, said means including means for pivotally mounting the said shoe support on the said surface engaging member, and means for locking the said member in fixed relation with said support, the last said means including a semi-circular shaped member carried by said shoe support having a locking member thereon and a cooperating locking member carried by the said surface engaging member movable in and out of engagement with the locking member on said shoe support.

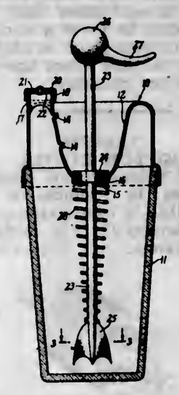
2,484,390
APPARATUS FOR FOLDING PAPER AND LIKE MATERIAL
James W. Thorpe, Dunstable, Sydney W. Bussell, Stanmore, and Sidney J. Herbert, Richmansworth, England, assignors to H. Reeve Angel & Co., Ltd., London, England, a British company
Application February 25, 1949, Serial No. 78,342
In Great Britain February 24, 1948
9 Claims. (Cl. 93—86)



1. In a machine for folding paper, having upper and lower jaws providing an opening therebetween for receiving a piece of paper to be folded, a plurality of movable folding blades mounted in each of said jaws and movable from said jaws into said opening to interleaf said blades with the blades of one jaw alternating with the blades of the other jaw, blade moving means for moving said blades into said opening for producing a series of oppositely directed folds in said paper and for returning said blades into said jaws after said folds have been formed, the improvement which comprises, an ejector for the folded paper being mounted on a shaft continuously rotatable in one direction about an axis spaced from said opening and having an ejector member passing through said opening in a direction laterally of said jaws during a part of the rotating of said ejector, and driving means to rotate said shaft in timed relation to the movement of said blades to pass said member through said opening to eject the folded paper after said blades have been returned into said jaws.

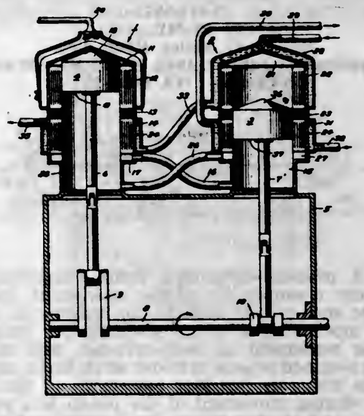
2,484,391
COMBINED LIQUID DISPENSER, ICE CRUSHER, AND DRINK MIXER
Herman G. Treisz, Jr., Brooklyn, N. Y., assignor to Associated Development and Research Corporation, New York, N. Y., a corporation of New York
Application September 11, 1947, Serial No. 773,380
6 Claims. (Cl. 241—101)

1. A drink-mixing accessory, comprising a cap to be placed on a container, said cap having a high wall portion defining a central cup-like structure having a drainage opening, said cap, also being provided with a pouring spout; a rod extending downwardly through said drainage opening; a closure plug for said opening carried by said rod; ice breaker means affixed to the lower end of said rod; a spring surrounding said rod and disposed between the under side of said cap and said ice breaker means for resiliently retaining said plug in said closed position; and a handle affixed to the opposite end of said rod, whereby the latter may be moved up and down to cause said ice breaker means to strike and break ice which may have been deposited in said container, or whereby optionally said rod may be inclined to raise an edge of said closure out of engagement with said drainage opening to admit



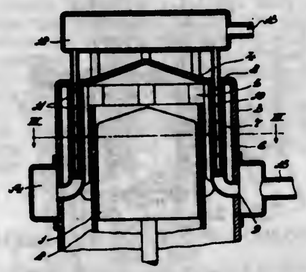
air into said container during the pouring of the contents thereof through said pouring spout.

2,484,392
HOT-AIR ENGINE ACTUATED REFRIGERATING APPARATUS
Willem Jan van Heeckeren, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 30, 1946, Serial No. 666,114
In the Netherlands August 30, 1945
8 Claims. (Cl. 62—136)



1. A combined hot gas piston engine and refrigerating device comprising means forming a hot space for said engine, means forming a cooled space for said refrigerator, means forming a cold space for said engine, means forming a warmer space for said refrigerator, conduit means connecting said hot space and said cold space, second conduit means connecting said cooled space and said warmer space, a piston separating said hot space from said cooled space, a second piston separating said warmer space from said cold space, and means for mechanically connecting said pistons so that the movements thereof show a predetermined phase displacement.

2,484,393
HOT-GAS ENGINE HEATER HEAD ARRANGEMENT
Willem Jan van Heeckeren, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 30, 1946, Serial No. 666,116
In the Netherlands December 3, 1945
3 Claims. (Cl. 60—24)



1. A heater arrangement for a hot-gas engine comprising an inner chamber having a main axis, an outer chamber arranged in spaced relationship about said inner chamber and having the same said main axis, tube means interposed between said chambers, said tube means extending substantially longitudinally of said axis and arranged to direct a plurality of fuel streams against an extended exterior portion of said inner chamber, air supply means arranged for the mixing of air with said fuel streams to produce a combustible fuel-air mixture, and means to conduct spent gases resulting from the combustion of said fuel-air mixture away from said chambers.

2,484,394
PROCESS FOR THE PREPARATION OF SILICIC-ACID ESTERS
Willem Leendert Carolus van Zwet, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 6, 1947, Serial No. 726,836
In the Netherlands August 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 11, 1964
5 Claims. (Cl. 260—448.8)

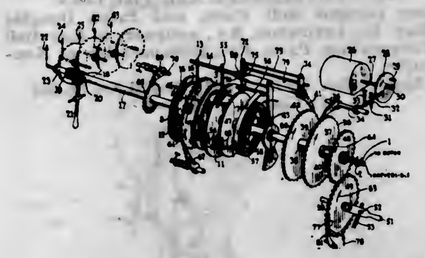


1. A process for preparing silicic acid esters by the reaction of an alkanol with a silicon halide, wherein the hydrogen halide formed by said reaction is inhibited from dissolving in the reaction mixture, comprising, the steps of first saturating an alkanol with a hydrogen halide, and then mixing said saturated alkanol with a silicon halide and allowing said silicon halide to react with said saturated alkanol for a sufficient time to produce a silicic acid ester.

2,484,395
NITRITE SALTS OF ORGANIC NITROGEN BASES
Aaron Wachter and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 6, 1944, Serial No. 525,321
3 Claims. (Cl. 260—247)

1. The nitrite salts of six-membered heterocyclic amines containing within their cyclic structure an oxygen atom, an amino nitrogen atom, and four saturated carbon atoms, the oxygen atom and the amino nitrogen atom being in the 1,4 position relative to each other, and at least one carbon atom being substituted with an alkyl group.

2,484,396
MAXIMUM DEMAND METER
Albert J. Allen, Brooklyn, N. Y.
Application October 27, 1948, Serial No. 56,777
5 Claims. (Cl. 171—34)



1. A device for registering the maximum energy consumption in an electrical circuit during any one of successive predetermined equal time intervals comprising, in combination: a shaft rotatable in accordance with the energy consumption in the circuit; a first radial arm adapted to revolve about the shaft; a stop arm adapted to revolve about the shaft and movable in the path of the first radial arm; a first means, including a time interval device, causing movement of the stop arm only at the expiration of predetermined equal time intervals; a second means operated by the shaft to revolve the radial arm when the stop arm is not in contact therewith; a register and a second means including the first mentioned means for operating said register when the first radial arm contacts the said stop arm; a second radial arm revolvable about the shaft lying in the path of said stop arm, said stop arm being limited in revolution by the second radial arm; a third means for revolving the second radial arm proportionally to the rotation of the shaft whereby rotation of the shaft when the first radial arm is in contact with the stop arm will register the maximum energy consumption for the predetermined time interval and the stop arm will then be revolved about the shaft an amount corresponding with the said maximum energy consumption and

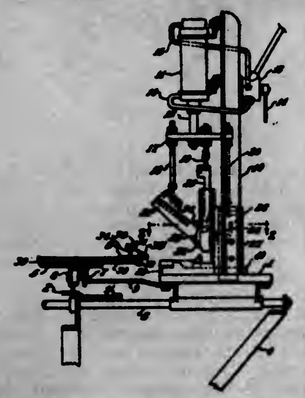
at the beginning of successive predetermined equal time intervals the stop arm will always be ahead of the first radial arm an amount corresponding to the maximum energy consumption and in any previous predetermined time interval.

2,484,397
PRACTICE GOLF BALL
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 30, 1948, Serial No. 5,439
4 Claims. (Cl. 273—62)



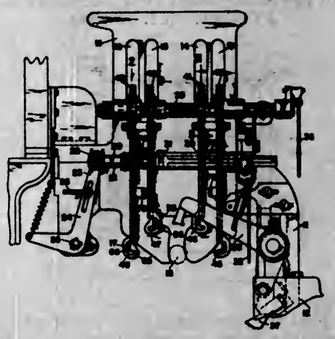
1. As a new article of manufacture, a practice golf ball having a uniform structure throughout and comprising a spherical mass composed throughout of closed-cell expanded plasticized polyvinyl chloride, said ball having substantially the dimensions, shape and appearance of a standard golf ball but being characterized by its light weight, its deadness, its short flight, and its ability to substantially duplicate on a small scale the flight characteristics of a regular golf ball.

2,484,398
MACHINE FOR CLINCHING A HOOP CONNECTING MEMBER AND THE LIKE
Harry Guthrie Bell, Paris, and Jacob Douglas Gay, Jr., Lexington, Ky., assignors to Gay-Bell Corporation, Paris, Ky., a corporation of Kentucky
Application April 20, 1949, Serial No. 88,634
11 Claims. (Cl. 1—4)



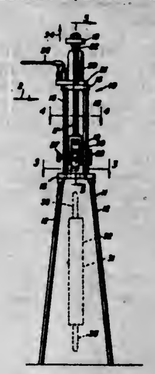
1. A machine for closing the leaves of a hoop connecting member and the like and driving and clinching the holding prong thereof, which comprises a seat for positioning the connecting member of an anvil and under a ram pintled to a vertically slidable casting, a seat in said casting adapted to receive a portion of the connecting member when in its lowermost position, means for driving said ram to close the leaves of said connecting member and drive said prong, and clinching means for said driven prong associated with said anvil, and an operating mechanism progressively lowering said casting, driving said ram and actuating said anvil clinching means for the purpose described.

2,484,399
FABRICATED BOBBIN RELEASER FOR WEFT REPLENISHING LOOMS
William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 14, 1948, Serial No. 65,243
16 Claims. (Cl. 139—232)



1. In a bobbin releaser for a weft replenishing loom having a bobbin delivery cradle, said releaser comprising two elongated sheet metal elements arranged side by side and secured together, one of said elements having a bobbin cradle operating wing bent laterally therefrom.

2,484,400
SHAFT PULLER
Arthur G. Brown, Cherry, Ill.
Application July 21, 1947, Serial No. 762,296
1 Claim. (Cl. 29—283)



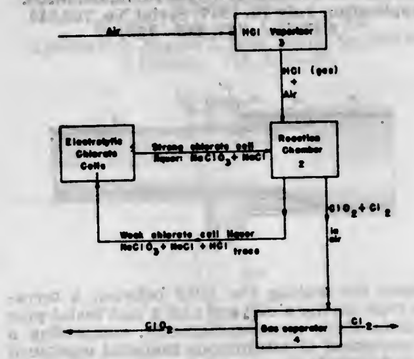
In a shaft puller, the combination of a supporting member including a pair of U-shaped side plates disposed in spaced parallel relation and a pair of top plates integrally connecting upper edges of said side plates, said top plates being provided with apertures to receive a pair of actuating rods, a pair of spaced parallel shafts rotatably journaled in intermediate portions of the side plates and extending transversely of said member, a pair of coacting cams secured to said shafts between the side plates and having toothed work-engaging peripheries, a pair of meshing gears secured to said shafts exteriorly of said member whereby said cams may be rotated simultaneously in opposite directions, and an actuating knob provided at least on one of said shafts exteriorly of said member.

2,484,401
CRUTCH
William R. Cole, Des Moines, Iowa
Application March 5, 1946, Serial No. 652,029
1 Claim. (Cl. 135—53)



In a crutch including a tubular body portion, a resilient tip comprising an adapter positioned at the lower end of said body portion and formed at its lower edge with a thickened flange, a substantially semi-spherical shoe formed from resilient material and engaging said flange, a stem provided integrally on said shoe and extending into said body portion, and fastening elements extending through said adapter and through said body portion into said stem.

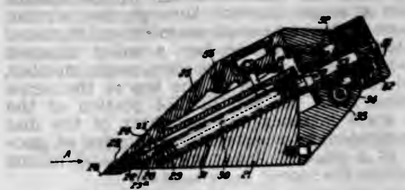
2,484,402
PROCESS FOR PRODUCING CHLORINE DIOXIDE
George A. Day, Berlin, and Edward F. Fenn, Gorham, N. H., assignors, by mesne assignments, to Brown Company, Portland, Maine, a corporation of Maine
Application January 4, 1946, Serial No. 639,082
17 Claims. (Cl. 23—152)



1. In a process for the manufacture of chlorine dioxide, the steps which comprise reacting an aqueous solution of an inorganic chlorate with HCl in a reaction zone, passing the reacted chlorate solution from said reaction zone to an electrolytic cell, increasing the chlorate content of said solution in said cell, then returning the fortified solution to the reaction zone for further reaction with HCl.

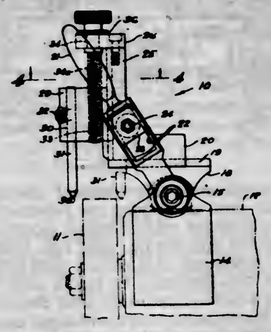
2,484,403
DEVICE FEEDING KNIVES IN ROTARY TOBACCO CUTTING MACHINES
George Dearsley, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England, a British company
Application December 18, 1947, Serial No. 792,358
In Great Britain January 1, 1947
2 Claims. (Cl. 146—108)

1. In a rotary tobacco cutting machine of the class described, a cutting device comprising, in combination, a cutting head, a knife blade guided for advancing feeding movement along said head, a clamp adapted to grip said blade against said head, means for feeding the blade forwardly to compensate for wear or the like, said feeding means comprising a rotatable screw, a half-nut operatively engaged with said screw and contacting said blade for advancing the latter when the screw is turned, a closure member normally adapted to cover said screw and nut and means for removing the clamp for access to the half-nut for re-positioning it upon the rearward portion of the screw, a stop shoulder on said clamp against which the half-nut abuts at the end of



its feeding movement, the abutment face of said shoulder being beveled in a direction forwardly and toward the axis of said screw, whereby the slightest opening movement of said clamp away from said screw releases any jamming pressure between the half-nut and the stop shoulder, and dispenses with the necessity of backing off the screw to release the jam.

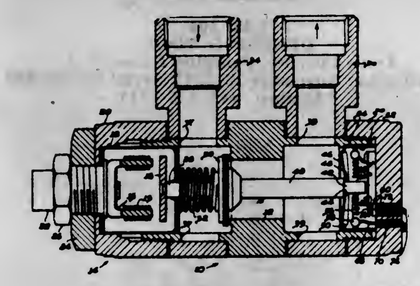
2,484,404
DRESSING TOOL
Louis Doerfler, Pompton Lakes, N. J.
Application November 13, 1947, Serial No. 785,669
3 Claims. (Cl. 125—11)



1. A dressing tool device for a rotatable grinding wheel comprising at least two clamping members, means adjustably securing the clamping members at the top, a cradle pivotally secured by the clamping means, longitudinal keyways on the cradle, a horizontal support co-acting with the keyways and adapted to be moved along the cradle, means moving the horizontal support along the cradle comprising a handle member, means pivotally mounting the base of the handle member at the top of the clamping members, the handle member having a slot formed therein, a slide in the slot having an aperture formed therein and a co-acting tap in the side of the horizontal support, a fastener through the aperture into the tap; the dressing tool further comprising an upright member disposed at the front of the horizontal support and movable therewith, a right angle member disposed substantially at right angles to the plane of the upright member and extending forwardly thereof and having a vertical aperture formed therein, vertical keyways

on the front surface portion of the upright member, a spindle carrier slidably disposed in the vertical keyways of the upright member and extending forwardly thereof, a spindle, a cutting edge disposed on the end of the spindle, the tool holder having formed therein a vertical aperture adapted for the insertion of the spindle, a set screw through the end of the tool holder co-acting with the spindle, a tap in the spindle carrier, a screw inserted through the vertical aperture of the right angle member and threaded into the last-mentioned tap, a collar disposed around the screw under the right angle member, a dial handle disposed at the top of the screw co-acting with the top surface portion of the right angle member, the periphery of the dial being divided into segments simulative of portions of a unit of linear measure, and means for locking the screw.

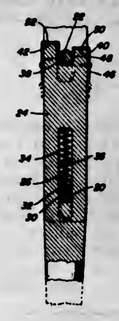
2,484,405
SAFETY CONTROL APPARATUS FOR FUEL BURNERS
Samuel G. Eskin, Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application October 26, 1946, Serial No. 705,875
10 Claims. (Cl. 158—117.1)



1. An electromagnetic control device comprising a coil and an armature relatively movable between attracted and released positions, means operative for energizing said coil sufficiently to hold said armature and coil in said attracted position but insufficiently to cause said movement from said released position, and resetting means operable for causing said movement mechanically to said attracted position and being thereafter rendered inoperable, said resetting means including a thermally responsive device operatively associated with said armature and coil and being adapted to change in position upon changes in the thermal condition thereof, an electric heater effective when energized for changing the thermal condition of said device, and means responsive to a change in position of said device for rendering said heater ineffective.

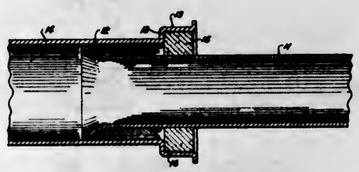
2,484,406
FOLDING CRUTCH
Henry L. Gibson, Sr., Nicholls, Ga.
Application September 17, 1947, Serial No. 774,573
5 Claims. (Cl. 135—50)

1. In a crutch structure having a pair of side members, a locking bar carried by said side members, a pivot pin carried by said side members, a leg having a longitudinal slot adjacent one end for slidably and pivotally receiving said pivot pin, a transverse recess provided in one end of said leg for receiving said locking bar to retain said leg in an extended position, and means normally



urging said leg to a raised position for retaining said locking bar within said recess.

2,484,407
BITUMINOUS PIPE SEAL
Maurice Greenbaum, Detroit, Mich., assignor of one-half to William L. Zopfi, Ferndale, Mich.
Application July 10, 1947, Serial No. 760,149
1 Claim. (Cl. 285—162)



Means for sealing the joint between a terracotta pipe having a bell end and a cast metal pipe of substantially smaller diameter, comprising a ring composed of bituminous material combined with a hardening material in sufficient amount that the ring can be pre-molded and will maintain its shape at ordinary temperatures, whereby the ring when assembled with the metal pipe can be slid therealong into close fitting engagement within the bell of the terracotta pipe.

2,484,408
FRENCH HORN
Claude F. Hubley, Utica, N. Y.
Application September 13, 1945, Serial No. 616,127
9 Claims. (Cl. 84—390)

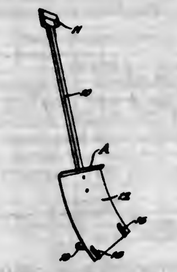
1. In a French horn of the class described, a length of tubing of conventional shape and proportions having a mouth-piece pipe at the air intake end, a bell at the tone wave outlet end, the usual coil intermediate said ends, and a group of four individual but complemental slide-equipped crooks for selectively shunting and controlling the passage of air through said tubing, said crooks being mechanically and communicatively attached to the tubing by way of four rotary valves, valve number 1 normally open and provided with an actuating thumb lever, valves number 2, 3 and 4 all normally closed and provided with customary controlling finger levers, and an effective length regulating and pitch compensating auxiliary valve

incorporated in the crook of the valve number 3, said auxiliary valve being normally open, and



means connecting the number 1 and auxiliary valves for operating same in unison.

2,484,409
SHOVEL STRUCTURE AND SUPPORT THEREFOR
William Jameson, Chicago, Ill.
Application August 7, 1946, Serial No. 689,042
3 Claims. (Cl. 294—59)



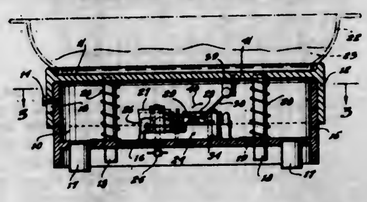
1. In combination, a shovel equipped with a blade and a spring member extending about the front edge of the blade and gripping the blade between the member portions at a point rearwardly of the front edge, said member on the lower side of the blade being extended downwardly and terminating in a rocker foot.

2,484,410
FLOATING BRAKE SHOE MOUNTING
Andrew J. Janes, Chicago, Ill.
Application August 29, 1947, Serial No. 771,163
3 Claims. (Cl. 188—78)



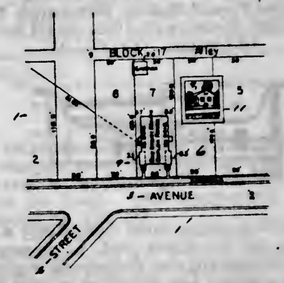
2. In combination with a conventional automobile brake assembly comprising a drum and a front and rear shoe having openings at adjacent ends for mounting, means for floatingly mounting said shoes comprising a pair of bolts each carrying a cam eccentrically mounted thereon and fitting loosely within the openings in the ends of said shoes, a spacer with concave bearing portions on each side fitting between and abutting both of the said ends of the shoes, and resilient means pulling said shoes against said cams in a direction opposite to the forward rotation movement of the drum but permitting both shoes to move circumferentially in the direction of forward movement of the drum, said cams being so arranged to direct each shoe radially toward the drum as it moves circumferentially in the direction of forward drum rotation.

2,484,411
MUSICAL SUPPORTING ARRANGEMENT
George V. Kahler and Ernest Ruede, New York, N. Y.
Application March 18, 1949, Serial No. 82,038
20 Claims. (Cl. 84—95)



1. A musical supporting arrangement comprising in combination a hollow base; a support mounted on said hollow base slidably in vertical direction; lifting means mounted in said hollow base and engaging said support tending to permanently raise the same to a predetermined raised position; a spring operated musical apparatus within said hollow base; and releasing means for said spring operated musical apparatus, said releasing means actuated by said support so as to permit operation of said spring operated musical apparatus when said support reaches during raising by said lifting means said predetermined raised position.

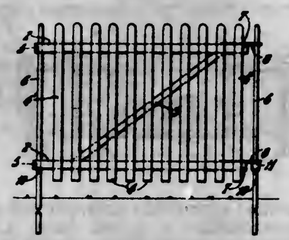
2,484,412
METHOD OF MAKING REAL ESTATE CHARTS
James M. Keel, Birmingham, Ala.
Application May 27, 1947, Serial No. 750,654
2 Claims. (Cl. 35—7)



1. In a method of making a real estate survey comprising the following progressive steps; first making the necessary measurements of the subject property with a building thereon, then placing the measurements in lines and figures upon a sheet of standard drawing paper, then cutting part of the sheet of paper out to form a predetermined size of hole in the sheet of paper, then
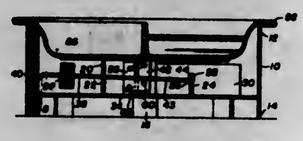
taking a picture of the building on the property with a camera that will produce a negative of larger area than the area of the hole in the paper, then attaching the negative by means of paste on its surrounding edge to the same sheet of paper with the negative positioned over and in register evenly with the hole in the paper and with the outline of the building in the negative in proper position with relation to the lines and figures on the sheet of paper, then making blue prints or other positive reproductions from the chart with the negative stuck thereon, to thus have the lines and the figures and the picture of the building integral in one positive sheet of paper.

2,484,412
FENCE
Frank Kouril, Jr., Springfield, Mass.
Application March 23, 1948, Serial No. 16,559
2 Claims. (Cl. 256—26)



1. A fence panel comprising a frame including upper and lower parallel horizontal stringers, a plurality of vertical pickets secured on said stringers in spaced relation, a vertical post slidably engaged in one end of each of said stringers, flat plates secured on the opposite ends of said stringers and extending beyond said opposite ends, a second vertical post slidably engaged in said plates, means for supporting one of said stringers on said posts, separate picket members provided with clips for slidable engagement on said posts, whereby said separate picket members are positioned in front of said posts and parallel to and in alignment with said vertical pickets.

2,484,414
MUSICAL EATING BOWL
Jeanne Picard Mahan, Pittsburgh, Pa.
Application January 16, 1948, Serial No. 2,790
10 Claims. (Cl. 84—95)

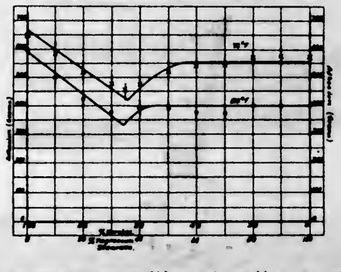


1. A musical eating bowl comprising a hollow body open at its upper end, a pressure plate mounted for upward and downward movement in said body, a music box mounted in said body including an outwardly extending braking arm normally in a lowered position, means for actuating the braking arm to a raised position for activating the music box, means operatively connecting said actuating means to said pressure plate, and means for normally holding the pressure plate in a lowered position and said actuating means disengaged with the braking arm.

2,484,415
MANUFACTURE OF POLYVINYL DICARBOXYLIC ACID ESTERS
Carl J. Malm and La Moyne D. Bearden, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 10, 1945, Serial No. 610,196
3 Claims. (Cl. 260—78.4)

1. A method for the manufacture of polyvinyl acetate phthalate which comprises reacting polyvinyl acetate having free and esterifiable hydroxyl groups with phthalic anhydrides and pyridine, the pyridine being in an amount less than sufficient to combine with all of the carboxyls present after the esterification is completed, adding trisodium phosphate to the mass in an amount sufficient to neutralize the free carboxyl groups of the ester formed and subsequently separating the ester from the mass by mixing with a precipitating liquid essentially consisting of water and a mineral acid, the precipitating bath being maintained acid throughout the precipitation.

2,484,416
ADHESIVE TAPE AND COMPOSITION THEREFOR
John B. Martin, Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application November 9, 1945, Serial No. 627,759
15 Claims. (Cl. 117—68.5)

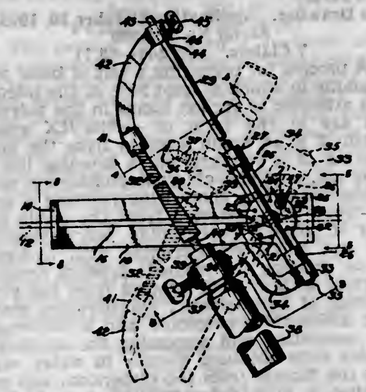


1. As a new composition of matter, a mixture consisting essentially of a polyamide of the type formed by the reaction of polymeric fat acids of the drying and semi-drying oils with a diaminoamine, with 25–150%, based upon the weight of the polyamide, of a substance selected from the group consisting of polyvalent metallic salts of fatty acids and monoamides of fatty acids.

2,484,417
SAW FILING GUIDE
Ralph A. Mease, East St. Louis, Ill.
Application May 24, 1946, Serial No. 671,942
1 Claim. (Cl. 76—31)

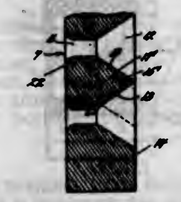
A saw filing guide comprising a base in the form of a strip having a central longitudinal slot and upturned ends with enlarged openings communicating with the slot and adapted to rest on a saw clamp at opposite sides of a blade held therein and to straddle the blade for movement along its tooth edge as held in the clamp and projecting upwardly therefrom, a guide member pivoted on a vertical axis on one end of the base over the saw and centrally of the base and thickness of the saw, a file holder slidable in said guide member in line with said vertical pivot axis and pivoted on a horizontal axis across said vertical pivot axis, said file holder including a rod slidable in said guide member

and adapted to swing laterally thereon as a horizontal pivot to either side of said horizontal and vertical axes, and means for clamping a file in said holder whereby the handle of the file forms a handle for moving the file back and forth with the rod sliding in the guide member from



either side of the saw and means to hold the guide in adjusted position at corresponding angles at either side of the base and saw for filing alternate teeth from opposite sides including a pin and a number of apertures formed in said guide member and said base, a selected pair of which accommodate said pin.

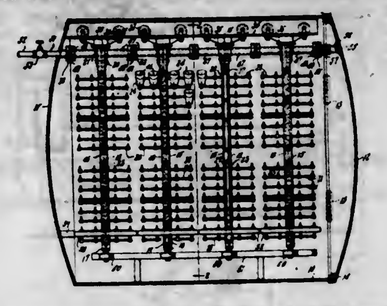
2,484,418
OLEOPNEUMATIC STORAGE DEVICE
Jean Mercier, New York, N. Y.
Original application March 17, 1942, Serial No. 435,111. Divided and this application September 13, 1945, Serial No. 615,957
3 Claims. (Cl. 138—44)



1. An inlet-outlet passage for a storage container, comprising a plug-like device having a flat surface at the end toward the container and a port at the opposite end, said flat surface being pierced by a plurality of channels each having a cylindrical portion, said portion merging with said flat surface by smoothly curved flaring surfaces, and each said channel having an outwardly tapering portion toward the exterior of the container, and a common passage connecting said channels and said port.

2,484,419
VULCANIZING MECHANISM
Samuel S. Miner, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 12, 1945, Serial No. 599,107
6 Claims. (Cl. 18—6)

2. A portable substantially flat rack structure for supporting a large number of elongated rubber articles in a cylindrical shaped vulcanizing receptacle and adapted to extend transversely therein, comprising a hollow planar frame the height of which exceeds several times its axial length, a traveling carriage having the frame suspended therefrom in a vertical position, a single central pipe mounted in the frame to extend from the top to the bottom thereof, auxiliary pipes extend-



ing as limbs from the opposite sides of the central pipe in the plane of the planar frame, cross branch pipes extending from the opposite sides of said limbs at right angles to said plane, and hollow projections upon these cross branch pipes adapted to support the articles upon the opposite sides of said plane and to exhaust air from the articles when air is exhausted from said central pipe.

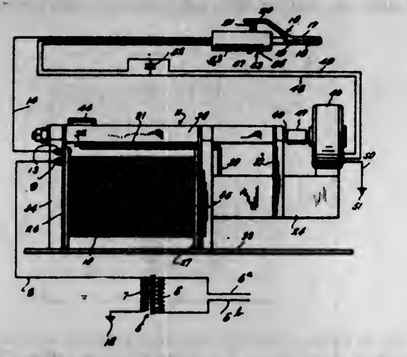
2,484,420
PROCESS OF PREPARING QUATERNIZED SALTS OF RESINOUS ORGANIC POLYMERS CONTAINING A BASIC TERTIARY NITROGEN ATOM
Louis M. Minsk and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1946, Serial No. 719,626
8 Claims. (Cl. 260—88.3)

3. A process for quaternizing a resinous polyvinylpyridine selected from those wherein the vinyl group is attached to a carbon atom of the pyridine nucleus comprising heating the polyvinylpyridine with a compound selected from the group consisting of dialkyl sulfates and alkyl arylsulfonates, in solution in a neutral organic compound selected from the group consisting of saturated monohydric aliphatic alcohols, saturated aliphatic ethers, saturated aliphatic ketones and 1,4-dioxane.

2,484,421
ELECTRIC ARC WELDING APPARATUS
Mark T. Moore, Kearney, Nebr.
Continuation of application Serial No. 517,700, January 10, 1944. This application July 12, 1945, Serial No. 604,592
1 Claim. (Cl. 171—242)

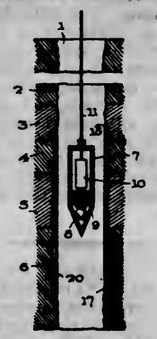
In an A. C. electric arc welding apparatus, in combination, an inductive reactance having a coil and a core adjustable into or out of the coil, a transformer having one side of its secondary connected to one end of said coil and the other side thereof grounded, a conducting member connected to the other end of said coil, means operable for adjusting said core into or out of said coil to vary the amperage of the current delivered from said reactance to said conducting member, a reversible rotary electric motor for actuating

said adjusting means, and a normally open two-way switch manually operable for causing operation of said motor in the desired direction from a point remote to the inductive reactance, said motor being grounded at one side and having a feed wire to be supplied with current for operating the motor in one direction and a second feed



wire to be supplied with current for operating the motor in the opposite direction, said two-way switch having two contacts each connected to a different one of feed wires and selectively engageable with said conducting member to derive the operating current for the motor from the secondary of the transformer by way of the coil of the reactance.

2,484,422
METHOD OF DETECTING MUD FILMS ON EXPOSED ROCK STRATA
Morris Muskat, Oakmont, and Norman D. Coggeshall, O'Hara Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application January 11, 1945, Serial No. 572,304
4 Claims. (Cl. 250—83.6)

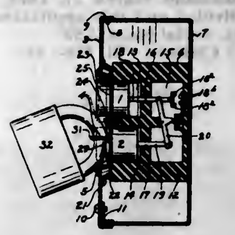


1. The method of locating the level of mud film on the walls of a borehole which comprises adding to the drilling mud before drilling a tracer constituent in sufficient concentration to produce when bombarded with neutrons an identifiable gamma ray intensity higher than that of the formations to be penetrated, said tracer constituent comprising the chemical element aluminum, bombarding a portion of the wall of the borehole with neutrons, simultaneously measuring at said portion the gamma ray intensity inside the borehole and measuring the depth of said portion of the borehole.

2,484,423
PROCESS FOR THE PREPARATION OF POLYVINYLAMINE SALTS
Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 30, 1945, Serial No. 625,690
7 Claims. (Cl. 260—89.7)

1. A process for preparing a salt of basic polyvinylamine in which at least 90% of the nitrogen atoms attached to carbon atoms in the polyvinyl chain are in the form of $-NH_2 \cdot HX$ groups, wherein X is an anion selected from the group consisting of a chloride ion, a bromide ion, an acetate ion, an alpha-chloropropionate ion and a bromobenzoate ion, comprising reacting a polyvinyl cyclic imide selected from the group consisting of polyvinylphthalimide, polyvinylsuccinimide and polyvinylglutarimide with hydrazine hydrate, treating the resinous product resulting therefrom with an acid selected from the group consisting of hydrochloric, hydrobromic, glacial acetic, alpha-chloropropionic and bromobenzoic acids, separating and dispersing the mixture of insoluble salts obtained thereby in water, separating the filtrate from the dispersion, and precipitating it in a water-miscible monohydroxy aliphatic alcohol, and separating the precipitate of the salt of the basic polyvinylamine which forms.

2,484,424
LOCKABLE PUSH-BUTTON DEVICE
Theodore F. Rosing, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 29, 1947, Serial No. 738,031
10 Claims. (Cl. 200—42)

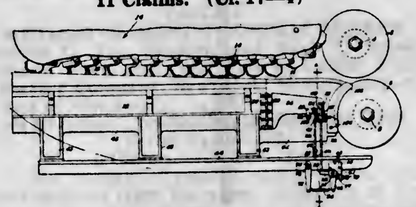


7. In combination, a switch unit comprising a supporting base and a switch having a plurality of push buttons disposed in a parallel and adjacent relation and interlocked for relatively reverse movements, a bail like latching member for one of said push buttons having its ends pivotally attached to said switch supporting base, said member having an intermediate portion to extend across the end of said one push button when the latter is depressed and to have in part clearance from the end of the push button, a casing for said switch unit comprising a section to which said switch unit is attached and also a removable cover section having an opening to accommodate said push buttons and said bail-like latching member and a padlock attachable by its hasp to said intermediate portion of said member at its point of clearance from the latched push button, said padlock providing for retention of said member in latching position and preventing removal of said cover section of said casing.

2,484,425
TREATMENT OF SYNTHETIC RUBBER LATICES
John S. Rumbold, Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 3, 1945, Serial No. 620,170
4 Claims. (Cl. 260—85.1)

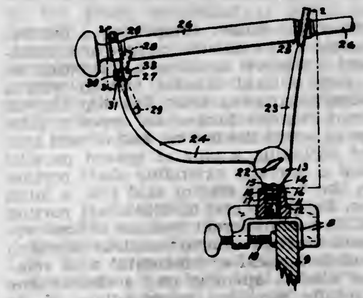
1. The method of treating a synthetic rubber latex comprising an aqueous emulsion polymerizate of a mixture of butadiene-1,3 with a compound which contains a single $CH_2{=}C<$ group where at least one of the disconnected valences is attached to a group which increases the polar character of the molecule and which compound is copolymerizable with butadiene-1,3 to increase the average particle size of said synthetic rubber latex which comprises adding to the synthetic rubber latex a 65 to 85% by weight aqueous solution of acetone in amount from 35 to 50 parts by weight of acetone per 100 parts by weight of the aqueous phase of the latex after the acetone addition, and thereafter removing added acetone from said synthetic rubber latex by distillation therefrom.

2,484,426
RIBBING KNIFE
Charles M. Savrda, Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass., a corporation of Delaware
Application May 10, 1944, Serial No. 534,875
11 Claims. (Cl. 17—4)



1. A fish ribbing apparatus comprising a pair of oppositely disposed ribbing knives, a blunted nose positioned adjacent the top forward extremity of each knife, and means mounting each of said noses adjacent the bottom thereof whereby the upper portions thereof can yield laterally.

2,484,427
FISHING ROD HOLDER
Earl B. Schwenk, Seattle, Wash.
Application October 12, 1946, Serial No. 702,934
4 Claims. (Cl. 248—42)



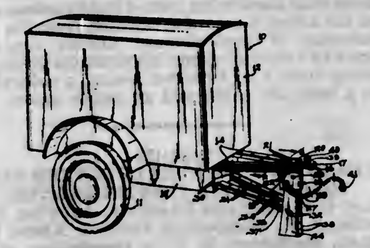
1. A fishing rod holder comprising a bracket having two upwardly extending spaced apart arms; an upwardly opening rod receiving fork carried by the upper end portion of the foremost bracket arm; and a substantially U-shaped rod receiving hook carried by the rearmost bracket arm and having two side members positioned transversely as respects the common plane of said two bracket arms with one of said side members extending crosswise of the rearmost bracket arm and pivotally supported by said rearmost bracket arm a short distance below the upper end thereof, leaving a portion of said rearmost bracket arm extending above the pivotal bearing of said hook for cooperation with said hook to receive and hold a fishing rod.

2,484,428
PIEZOELECTRIC CRYSTAL MOUNTING
Melvin L. Smith, Kane, Pa.
Application July 15, 1947, Serial No. 761,082
3 Claims. (Cl. 171—327)



1. A piezoelectric crystal holder comprising a hermetically sealed tube, and means for supporting the crystal in the tube, the space within the tube being filled with helium at a pressure reduced below atmospheric pressure by an amount corresponding to not over eight inches of mercury.

2,484,429
TRAILER DRAFT MEMBER AND SUPPORT
Monroe Spen, Brooklyn, N. Y.
Application June 30, 1947, Serial No. 758,038
8 Claims. (Cl. 280—33.4)



7. In combination with a trailer, a pair of channel members having their open sides faced outwards and their rear ends attached to the trailer, said channel members having their front ends converging toward each other, a hook having a rearwardly flared portion engaged between the front ends of said channel members, means securing the front ends of said channel members together against the sides of said rearwardly flared portion of said hook, a U-shaped cuff member secured to the bottom faces of the front ends of said channel members and having its open side facing rearwards, a vertical U-shaped post having its open side facing rearwards and its top end

engaged within said U-shaped cuff member, a pair of substantially horizontal angle irons secured at their rear ends to the trailer and having their front ends converging towards each other and extended into the open rear side of said post intermediate of the top and bottom ends thereof, means securing the front ends of said angle irons to said post, and a gusset secured to the top faces of the front ends of said channel members and cooperating with said channel members and said cuff member to enclose the flared rear end of said hook, and means securing the top end of said post in position within said cuff member, said post securing means comprises a bolt extended through said cuff member and said post, and a shouldered pin extended through said cuff member and said post and having its enlarged end disposed on one side of said cuff member and its end at the other side of said cuff member anchored by a cotter pin, and an eye formed on the enlarged end of said shouldered pin, a chain having one end attached to said eye to have its intermediate portion engaged with a selected rear portion of a pulling vehicle, and a terminal ring on the free end of said chain engageable with said hook.

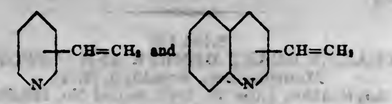
2,484,430

QUATERNARY SALTS OF POLYVINYL PYRIDINE AND POLYVINYL QUINOLINE

Robert H. Sprague and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 31, 1946, Serial No. 719,624
7 Claims. (Cl. 260—88.3)

4. An alkyl quaternary salt of a resinous polyvinyl addition polymer of a monomeric vinyl compound selected from those represented by the following general formulas:



in which the alkyl group is a saturated primary alkyl group containing from 1 to 12 carbon atoms, and the anion is an anion selected from the group consisting of arylsulfonate anions containing from 6 to 7 carbon atoms, alkylsulfate anions containing from 1 to 4 carbon atoms, a chloride anion, a bromide anion and an iodide anion.

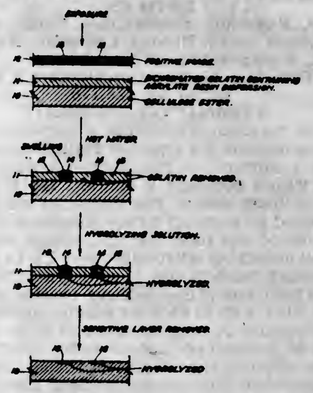
2,484,431

METHOD OF MAKING HYDROLYZED CELLULOSE ACETATE PRINTING PLATES

Henry C. Staehle and Charles F. Amering, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 17, 1948, Serial No. 39,218
5 Claims. (Cl. 95—5.4)

1. The method of making a photolithographic printing plate which comprises coating a substantially fully esterified cellulose organic acid ester support with a layer of bichromated hydrophilic colloid containing an aqueous colloidal dispersion of a water-insoluble, soft, acrylate resin, exposing the colloid layer to light under an image, treating the exposed layer with hot water to swell the colloid in the exposed regions of the layer and to remove the colloid from the unexposed regions of the layer without removing the resin, treating the layer with a hydrolyzing solution to hydrolyze the portions of the cellulose ester support beneath the exposed regions of



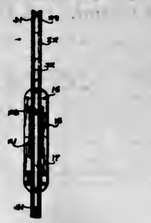
the colloid layer and removing all of the colloid layer and resin from the support.

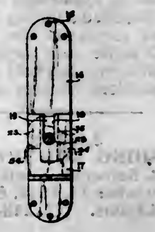
2,484,432

CLOTHESLINE EXTENSION

Jesse A. C. Turner, New York, N. Y.

Application March 14, 1947, Serial No. 734,658
4 Claims. (Cl. 211—119.07)





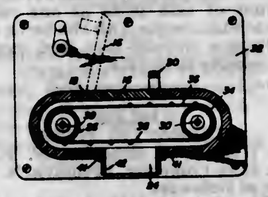
2. A clothes line holder comprising a bracket for attachment to the outside surface of a building adjacent a window opening, a formation on the front face of said bracket formed with a slot extended downward from the top thereof and undercut recesses formed on opposite sides of said slot adjacent the bottom end of said slot, an element including a pair of spaced parallel portions and a laterally extending shaft portion rotative in the bottom end of said slot, a latch mounted on the inner end of said shaft portion to turn within said undercut recesses to limit rotation of said shaft portion to positions in which said element is vertical or horizontal with relation to the window opening, and a clothes line holder pivotally mounted intermediate of its ends between the free ends of the spaced parallel portions of said element to be pivoted relative to said element to have one end extend into the window opening when said element has been turned to its horizontal position, said undercut recesses having walls serving as stops for preventing further rotation of said latch and said shaft portion when said element is in its horizontal position.

2,484,433

RADIUM RAY APPLICATOR

George Turner, El Paso, Tex.

Application March 12, 1948, Serial No. 14,567
6 Claims. (Cl. 250—106)



1. In a device controlling emission of radioactive rays, a lead housing, rotatable support rollers mounted in said housing, a belt low in radio-active ray absorption power retained on said rollers and means to rotate one of said rollers, said belt being made of cotton and having means received thereon to hold radio-active materials.

2,484,434

METHOD OF MAKING SPONGE RUBBER

Edward C. Van Buskirk and Paul V. Butsch, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 21, 1946, Serial No. 717,802
6 Claims. (Cl. 260—2.5)

1. The method of making sponge rubber from latex selected from the group consisting of synthetic rubber latices comprising aqueous emulsion polymerizates of polymerizable material selected from the group consisting of butadienes-1,3 and mixtures of butadienes-1,3 with compounds which contain a $CH_2=C<$ group and are copolymerizable with butadienes-1,3, and mixtures of natural rubber latex with such synthetic rubber latex in amount up to equal part by weight of the solids of the natural latex based on the solids of the synthetic rubber latex, which comprises whipping into a foam such a latex having a pH of at least 10, and containing not more than 0.5% of ammonia, 2 to 10 percent of zinc oxide, and 0.3 to 5 percent of a zinc sequestering agent of the group consisting of alkali carbonates, borates, phosphates, sulfites, oxalates, ferrocyanides, ferricyanides and chromates, said percentages being based on the weight of the solids content of the latex, thereafter adding a gelling agent to the latex foam, shaping the foam before gelling takes place, permitting the foam to gel, and vulcanizing to form sponge rubber.

2,484,435

LABELING MACHINE

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application March 23, 1945, Serial No. 584,373
5 Claims. (Cl. 216—56)

5. In a labeling machine or the like, the combination of a fixed support, supporting means for carrying a stack of elements to be labeled slidably mounted on said fixed support for movement in a vertical direction, guide means for the elements in said stack slidably mounted on said fixed support for movement in a vertical direction, resilient means for normally maintaining said guide means in raised position and adapted to yieldingly resist movement thereof to a lowered position, means operative to successively apply labels to the top elements in the stack on said supporting means and adapted to engage and depress said guide means during the label applying step, whereby said guide means is moved relative to said supporting means, means connected to said supporting means for moving the latter relative to said guide means so as to raise the stack and thereby bring the uppermost element thereof into label receiving position, and means cooperating with said supporting means to maintain the latter in adjusted position during the application of a label by said applying means to the uppermost element in the stack.

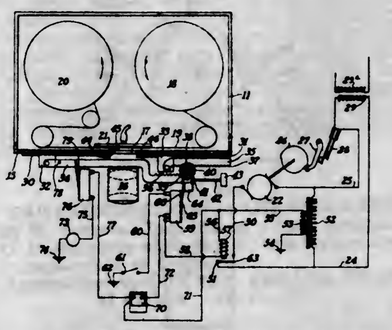


2,484,436

SHUTTER ALARM

Elmer O. Wangerin and Richard K. Walker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

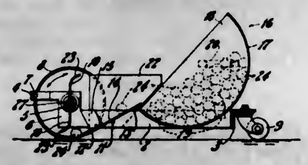
Application October 13, 1944, Serial No. 558,519
8 Claims. (Cl. 250—65)



1. In a camera having an exposure aperture and adapted for use in connection with a fluorescent screen on which an image may be formed by an X-ray apparatus, the combination with an electrical circuit, and a motor connected in said circuit for controlling said camera and apparatus, of a switch connected into the circuit of said motor, a second electrical circuit independent

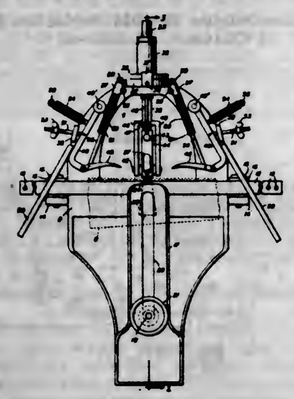
of said first circuit, means in said second circuit adapted when energized to close said switch, a manually-actuated control switch adapted to be connected into said second circuit, slide members adapted to be moved to cover and uncover said aperture, means for moving said slide members, and a switching mechanism positioned to be engaged and closed when said slides are moved to open position to connect said control switch to said closing means to close said first circuit to energize said motor to render the latter operative for controlling said exposure cycle.

2,484,437
GOLF BALL COLLECTOR
F. Warren Wells, Springfield, Mass., assignor to Blair Manufacturing Company, Springfield, Mass., a corporation of Massachusetts
Application February 16, 1946, Serial No. 648,100
7 Claims. (Cl. 55—17)



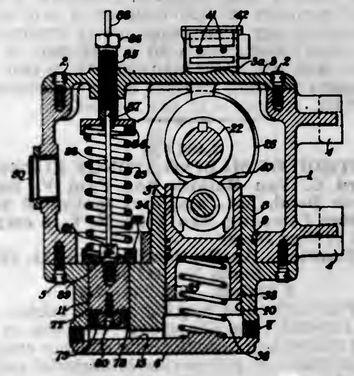
1. A golf ball collector comprising a frame, a shaft journalled in said frame, traction wheels secured on opposite ends of said shaft, a plurality of U-shaped spring fingers secured in said shaft in spaced relationship, on opposite sides of said shaft, the fingers on one side of said shaft being staggered relative to the fingers on the opposite side of said shaft, the spacing of said fingers being less than the diameter of a golf ball, and a basket removably supported in said frame for receiving golf balls moved toward said basket by said spring fingers.

2,484,438
HAND-OPERATED SAW FILING DEVICE
Jesse E. Whetstine, Cedar Rapids, Iowa
Application March 1, 1948, Serial No. 12,341
6 Claims. (Cl. 76—35)



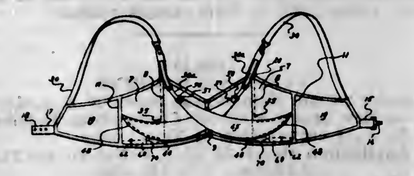
1. In a saw filing device, a fixed vertical supporting plate having a relatively large opening in the upper portion thereof, said plate further having a rigid horizontal bearing disk at the top thereof provided with a central upstanding spindle, a hanger including an arm having a hub at its forward end journaled on said spindle and a disk at the bottom of said hub resting on said bearing disk whereby the hanger is mounted on the top of said plate for angular adjustment about a vertical axis in respect to the plane of said plate, a file carrier suspended by said hanger for reciprocation relative thereto through said opening, said file carrier being angularly adjustable with the hanger relative to the plate and having a handle at its front end, a saw holder carried by and mounted in front of said plate for horizontal movement relative to and parallel with the plane of said plate and in position to present the teeth of the saw to the file above the bottom of said opening, and manually operable means mounted on the front of said plate at one side of said opening and engageable with the teeth of the saw for imparting a step-by-step feed movement to the latter relative to the file.

2,484,439
HYDRAULIC PUMP
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application July 16, 1943, Serial No. 494,917
6 Claims. (Cl. 103—11)



1. In combination, a hydraulic pump having a shaft mounted therein, a reciprocating piston, a cam on the shaft for driving the piston, a motor for rotating said shaft in both directions through a predetermined arc of less than one revolution, means for braking the movement of said shaft at the ends of its movements to thereby brake said motor, switch means conditioning the motor for reversal thereof and cam means on the shaft for operating the switch means.

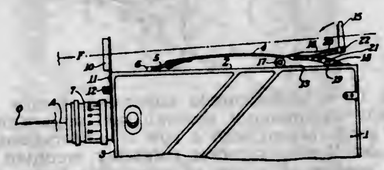
2,484,440
BRASSIÈRE
Max Witkower, Los Angeles, Calif., assignor to Leonard J. Witkower, West Los Angeles, Calif.
Application October 22, 1945, Serial No. 623,634
4 Claims. (Cl. 2—42)



1. A brassière comprising a fabric body-encircling member having breast-covering portions

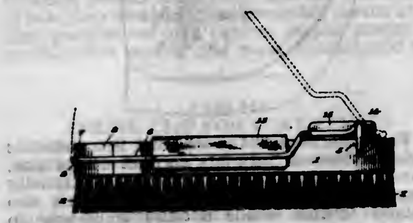
each presenting a transversely disposed slit through the lower edge thereof, a pair of shoulder straps secured at their respective ends to the front and back portions of said member, a pair of breast-supporting strips each secured at its bottom end portion to a breast-covering portion at the side of said slit laterally outward of the middle of the garment, said breast-covering strips being disposed crosswise of each other in position to support the breasts of the user and projecting through said slits, and means for securing the top end of each breast-supporting strip to a shoulder strap.

2,484,441
PARALLAX CORRECTION DEVICE FOR CAMERA VIEW FINDERS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 7, 1948, Serial No. 932
2 Claims. (Cl. 33—64)



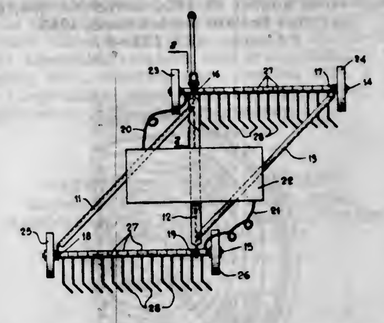
1. In a view finder for cameras for correcting for parallax, a finder element support comprising an elongated element adapted to be attached to a camera including a hinge at one end, and adapted to constitute a base, a second elongated element attached to the hinge and extending over and of substantially the same length as the elongated element constituting the base, a finder element carried by the movable element on the end opposite to the hinge, the hinged elements carrying a scale on one element and a pointer on the other, both extending along substantially the length of the elongated elements and characterized in that the hinged element carrying the scale consists of a curved elongated flange member having a top edge curved and bearing scale indications throughout the greater part of its length, the scale indications being spaced both in a longitudinal direction and in a direction transversely thereof to provide maximum clearance between the scale indications and to facilitate adjustment of the hinged pointer and scale.

2,484,442
HANDY SHOESHINE KIT
James W. Atkins, Huntington, W. Va.
Application June 3, 1946, Serial No. 674,099
1 Claim. (Cl. 15—108)



In a shoe shine kit having a brush body provided with apertures, the improvement comprising a substantially U-shaped wire member, inturned hinge portions on the ends of said wire member mounted in said apertures to pivotally mount said wire member on said brush body, a dauber having a recess therein adapted to receive the bight of the wire member, means on the dauber and brush body coactively engaging with each other and cooperating with the bight of the wire member to retain the dauber on the brush body, inturned U-shaped portions on said wire member adapted to engage a can of shoe polish on said body and said U-shaped portions being located in the wire member adjacent the inturned hinge portions, and the portions of the wire member intermediate of the bight and the U-shaped portions adapted to resiliently embrace the sides of the brush body to clamp a polishing cloth thereon.

2,484,443
ELECTRICAL WEED KILLER
Gilbert M. Baker, Los Angeles, Calif.
Application May 7, 1945, Serial No. 592,462
5 Claims. (Cl. 47—1.3)



5. An electric weed killer comprising, a plurality of rod-like electrodes, means freely pivotally supporting one end of each of said electrodes along a substantially horizontal axis substantially parallel to but spaced over the ground to be treated and for movement over the ground in a direction of movement substantially perpendicular to said axis whereby said electrodes are carried in substantially parallel side by side relation with their length parallel to the direction of movement, each of said electrodes extending radially from said axis and having a portion bent from said radial extension by a distance overlying in a longitudinal plane the bent portion of the adjacent electrode, and a source of electrical potential connected to said electrodes to pass electrical current through the vegetation contacted by said electrodes.

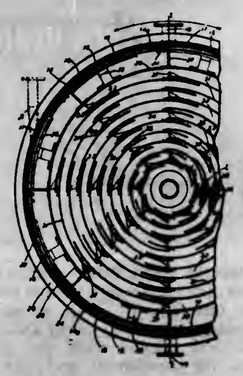
2,484,444
CARTRIDGE EJECTOR FOR FIREARMS
Carl H. Benson, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 14, 1945, Serial No. 588,343
14 Claims. (Cl. 42—25)



1. In a firearm, the combination of a receiver, means to move a cartridge shell lengthwise in

said receiver, and a combined empty cartridge shell and loaded cartridge shell ejector, said ejector comprising a spring pressed shell engaging first pointed member extending into the receiver and normally lying in the path of the movement of an empty shell to be engaged thereby and to eject it from the receiver and adapted to permit the said shell to pass thereby, and a second shell engaging pointed member extending into the receiver and normally lying in the path of the movement of a loaded shell to be engaged by the loaded shell passed by the first pointed member and to eject it from the receiver, and common means to connect said pointed members together and to the receiver.

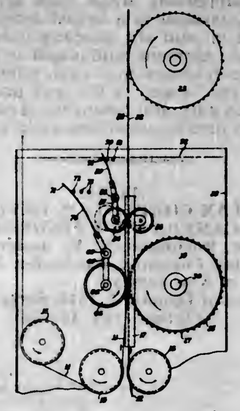
2,484,445
ROTARY DRUM EVAPORATOR WITH CONCENTRIC EVAPORATING CHAMBERS
James Edward Bibby, Birkenhead, England, assignor to J. Bibby & Sons Limited, Liverpool, England, a British company
Application August 15, 1946, Serial No. 690,765
In Great Britain September 5, 1945
9 Claims. (Cl. 159—9)



1. An evaporator, comprising a drum rotatably mounted, spaced apart apertured partitions within said drum and arranged one within the other to divide the interior of the drum into a plurality of annular chambers, an inlet means on the outermost chamber for liquid to be treated, an outlet means for the residual liquid on the innermost chamber, means for passing steam through said annular chambers, an outlet means for vapor and at least one transfer scoop on each partition in register with an aperture therein for scooping up liquid from a body of liquid thrown by centrifugal force due to the speed of rotation of the drum against the outer peripheral surface of an annular chamber and transferring the liquid inwardly to the next chamber as the drum rotates.

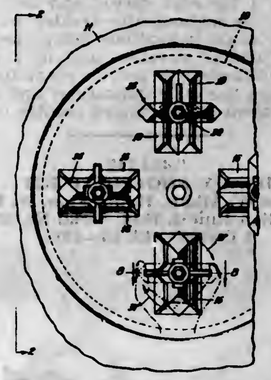
2,484,446
EXPANSIBLE TOOTH SPROCKET
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 26, 1945, Serial No. 589,327
26 Claims. (Cl. 271—2.6)

1. A sprocket comprising a body portion, a series of two-part expansible teeth carried by said portion, an endless band carried by said portion and provided with perforations through which said teeth project, the perforations limiting the expansion of the teeth, and means for relatively moving said parts in said perforation to vary the size of said teeth.



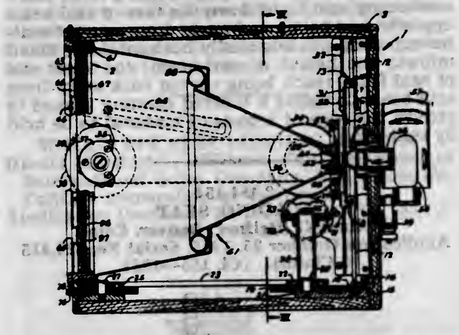
19. In a photographic apparatus, means for moving continuously through said apparatus a film strip formed with a row of perforations, a film positioning sprocket rotatably mounted on said apparatus, a row of expansible teeth carried by said sprocket, each of said teeth comprising a portion fixed relative to said sprocket and an adjustable portion movable relative to said fixed portion and cooperating therewith to fill one of said perforations in at least one direction to adjust and position said strip accurately relative to said apparatus, and means for moving said adjustable portion.

2,484,447
VEHICLE WHEEL MOUNTING MEANS
Vernon C. Cass, Chicago, Ill.
Application July 27, 1946, Serial No. 686,745
8 Claims. (Cl. 301—9)



1. Fastening means for securing two elements having surfaces in intimate contact comprising, a primary element provided with a multiplicity of angularly formed cradle portions having also angularly formed cradle notches transverse to the said cradle portions, bolt means secured to the said primary element centrally of the said cradle portions, clamp bars of polygonal cross-section presenting an angular formation thereof in mating engagement with the said cradle portions when in inoperative position, and being slidably and rotatably attached to the said bolt means, the said clamp bars being in operative position when in engagement with the said cradle notches, and lock nut means secured to the said bolt means adapted to retain the said clamp bars in locked and operative position; and a secondary element provided with lips adapted to locate removably on the outer portions of the said cradle portions, the said lips being provided with transverse notches in registry with the said cradle notches.

2,484,448
MICROPHOTOGRAPHIC APPARATUS
Everett J. Cook, Toledo, Ohio
Application May 13, 1946, Serial No. 669,399
4 Claims. (Cl. 88—24)



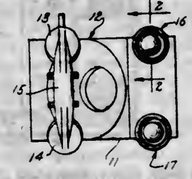
1. In a microphotographic device having an optical system with a fixed axis, multiple-frame-film holding and indexing mechanism comprising, in combination, a combination presser and single-frame mask centered on the axis of said optical system on an image plane thereof, an open, frame-like film holder, the area of the film held therein being a predetermined whole multiple of the area of a single frame, a pair of vertically extending horizontally translatable guides slidably engaged with the vertical edges of said film holder, a pair of horizontally extending vertically translatable guides slidably engaged with the horizontal edges of said film holder, separate independent manually operable means for selectively positioning said film holder horizontally and vertically relative to the axis of the optical system, movable ratchet means actuated by said manually operable means for providing a series of stops corresponding to the number of frames horizontally and vertically, respectively, on a film in said film holder and stop means engaging said ratchet means and carrying said combination presser and mask, whereby engagement of said stop means with said ratchet means at any stop position on said ratchet means moves said combination presser and mask against said film.

2,484,449
SPRING CLIP FOR WIRE FENCES
Oscar B. Fetterman, Washington, D. C.
Application February 13, 1945, Serial No. 577,648
2 Claims. (Cl. 256—57)

1. A fence construction comprising upright standards, fencing wire and spring clips, said standards being smooth and uninterrupted by notches or humps throughout its full length, said fencing wires being arranged transversely of said standards and being retained loosely on said standards by said spring clips, each spring clip being provided with a resilient clamping eye and a pair of substantially coplanar superposed hooks, said eye entirely surrounding one of said standards and frictionally embracing the same and normally retaining itself thereon, said hooks resiliently and frictionally embracing said standard at two positions spaced from said eye, said hooks engaging said standards in close proximity to each other, said spring clip and standard in their assembled relation loosely surrounding one fencing wire, whereby each fencing wire is free for longitudinal movement transversely of said standards in the fence construction.



2,484,450
TELEPHONE RECEIVER REST
Raymond Fisher, Baldwinville, Mass.
Application July 8, 1947, Serial No. 759,520
2 Claims. (Cl. 179—146)

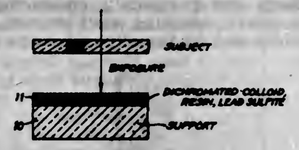


1. A rest for a telephone unit including spaced connected transmitter and receiver elements, said rest comprising a substantially horizontal support, and a pair of spaced pads mounted upon the support and arranged to engage with the elements when such elements are disposed in superposed relation to the pads, each pad being formed of a soft compressible resilient sound deadening material, each pad being provided upon its top face with an outer upstanding substantially annular flange and an inner upwardly projecting central portion, the flange being spaced from the central portion for forming a substantially annular groove between the flange and central portion, the groove receiving the marginal portion of the element for holding it in place and the inner upwardly projecting central portion being compressed to conform to and cover the face of the element.

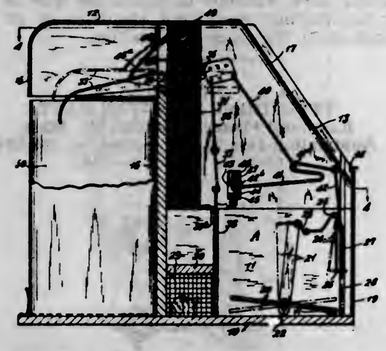
2,484,451
BICHROMATE SENSITIZED PHOTOGRAPHIC MATERIAL
William H. Griggs, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 9, 1948, Serial No. 37,833
18 Claims. (Cl. 95—7)

1. A light-sensitive coating composition comprising a mixture of a bichromated hydrophilic

colloid, lead sulfite, and an aqueous colloidal dispersion of a water-insoluble soft polymerized material selected from the group consisting of natural and synthetic rubbers, polyvinylidene chloride, polystyrene, polyvinyl acetate and polyacrylates, said composition being adapted to produce a light-sensitive coating in which a direct positive relief image can be formed by exposure to light and development in aqueous solution.



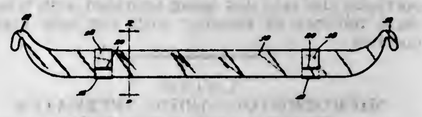
2,484,452
ANIMAL TRAP
Carlo Grossi, Cleveland, Ohio, assignor to Edward Stokes Coughanor
Application February 28, 1945, Serial No. 580,157
6 Claims. (Cl. 43—76)



6. An animal trap comprising an entrance compartment having an entrance opening and a sliding door for said opening, a bait compartment at the rear of said entrance compartment and provided with an opening in the front wall thereof for exposing bait to the view of an animal, there being a platform above the said bait compartment, a sliding door the lower portion of which is adapted, when the door is lowered, to close the opening in the front of said bait compartment, the said door having an opening in the upper portion thereof, a passageway extending upwardly from above the said platform and having an outlet in the upper portion thereof, pivotal means positioned in the outlet and connected with both of the aforesaid doors thereby to lift the said doors by the pivotal movement of such means, and latch means for holding the first mentioned door in its elevated position.

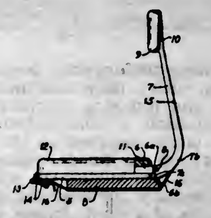
2,484,453
SUPPORT
Henry M. Halverson, Chicago, Ill.
Application May 26, 1947, Serial No. 750,483
5 Claims. (Cl. 129—16.7)

3. In a support of the class described, in combination: a beam of light weight metal having a main reach of constant rectangular cross section with a vertical dimension; said beam having at each end a portion curved upwardly and terminating in a downwardly opening hook; the bight of said hook being substantially above the center of gravity of said beam, whereby supporting said beam by said hooks causes said beam to lie in a vertical plane; and a plurality of resilient clips longitudinally adjustable on said beam; each clip comprising a back reach of a length equal to the vertical dimension of said beam; a hook at the bottom of said back reach extending under the lower edge of said beam far enough to lock the



clip against removal by upward movement; a bight continuing the upper end of said back reach across the upper edge of said beam; a front reach continuing said bight down the face of said beam opposite said back reach; said front reach terminating along a substantially horizontal line about midway the height of said beam; the lower end of said front reach being curved back away from said beam to define a tapered opening shaped to receive the edge of a piece of material to be held by said clip.

2,484,454
FOLDING SEAT
Wilbert G. Heifner, Denver, Colo.
Application October 25, 1945, Serial No. 624,415
5 Claims. (Cl. 155—133)



1. A portable folding seat for bleachers and like benches comprising, in combination, a seat member, a back-rest carried by a rigid standard hinged to the seat member and thereby adapted to be folded against the seat member, a stop to limit to substantially upright position, the movement of the standard away from the seat member, a strap secured at one end to said standard and means carried at the front of the seat member adapted to engage the other end portion of the strap, whereby said strap may be either passed under a bench and be engaged by said means and thereby hold the standard against said stop and, coincidently secure the seat to the bench, or be passed over the top of the back-rest when folded against the seat, and be engaged by said means thereby securing the device in folded position.

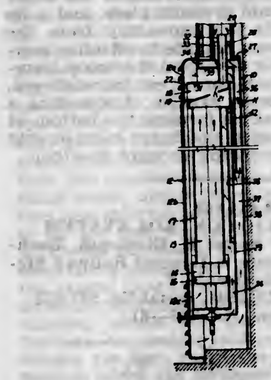
2,484,455
METHOD OF CONTINUOUSLY ESTERIFYING CELLULOSE
Lloyd E. Herdle and Ervin L. Perkins, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1946, Serial No. 657,222
7 Claims. (Cl. 260—227)

4. A process for preparing lower fatty acid esters of cellulose which comprises continuously leading refined woodpulp sheet successively through a series of operations (1) saturating the woodpulp with water, (2) dewatering with substantially anhydrous fatty acid of 2–4 carbon atoms, (3) pulithrough of a 0.5–3% solution of sulfuric acid in fatty acid of 2–4 carbon atoms, and (4) esterification with at least three parts of anhydride of a fatty acid of 2–4 carbon atoms per part of bone-dry woodpulp, the ratio of esterification liquid to the bone-dry woodpulp being at least 8:1.

2,484,456
METHOD FOR PREPARING PHOTOGRAPHIC EMULSIONS
Wesley G. Lowe and Kearney P. Griffin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1946, Serial No. 651,610
7 Claims. (Cl. 95—7)

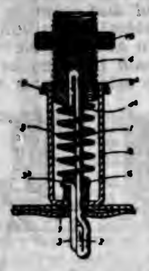
1. A silver halide dispersion essentially consisting of a suspension of silver halide prepared by a double decomposition reaction in an aqueous solution of polyvinyl pyridine.

2,484,457
WALL-TYPE FUEL BURNING HEATER
Harold A. Marble, Millbrae, Calif., assignor to International Sales Company, San Francisco, Calif., a corporation of California
Application December 22, 1947, Serial No. 793,173
3 Claims. (Cl. 126—90)



1. In a heater construction of the fuel burning type suitable for mounting in a wall recess and adapted to be connected with a flue pipe extending upwardly within the wall from the recess, an outer metal housing adapted to fit the recess, a grill extending over the front of the housing, a heating unit enclosed within the housing to heat air circulating through the grill and the housing, said heating unit including a lower fire box provided with a fuel burner and an upper flue box in communication with the fire box, a conduit communicating with the upper end of the housing and adapted to be fitted into the lower end of the flue pipe, a second conduit communicating with the flue box and extending upwardly through the first named conduit to discharge into the flue pipe, the second conduit being of smaller diameter than the first named conduit to provide a passage therebetween, and means for directing a part of the air circulating through the housing into said passage.

2,484,458
COMBINED LOCATING PIN AND CLAMP
Henry John Modrey, West Orange, N. J., assignor to Modrey Patents Corporation, County of Essex, N. J., a corporation of New Jersey
Application September 21, 1944, Serial No. 555,191
In Great Britain January 6, 1944
4 Claims. (Cl. 85—5)

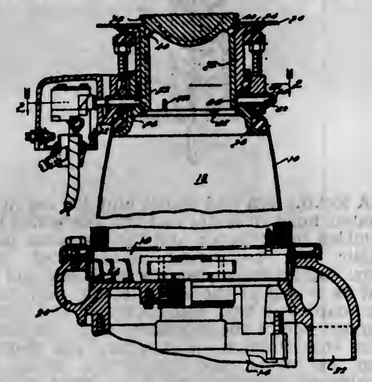


1. A locking pin and clamp unit for use in co-ordinated holes in plates and the like which may be buckled or distorted and for clamping plates together and registering co-ordinated holes therein, comprising a casing open at one end and closed by a wall at the opposite end, said casing being adapted to bear with its closed end against the upper side of the top plate, said wall having a hole therethrough, a clamping rod disposed within the casing, said rod having on one end an enlarged clamping head extended through said hole and forming an abutment for engagement with the lower side of the bottom plate after being passed through co-ordinated holes in the plates, a threaded portion at the opposite end of the rod, a slide member mounted slidably alongside of the clamping rod and the clamping head, loaded spring means disposed within the casing between the threaded rod portion and the end wall of the casing, said spring means being arranged to bias the plates into mutual engagement and the co-ordinate holes therein into registry, said spring means also biasing the slide member through said end wall opening, whereby, upon a projection of the clamping head by a compression of the spring means and insertion of the clamping head, thus projected, into and through said plate holes, the spring-biased slide member prevents a withdrawal of the clamping head through said plate holes when the compressed spring means are released, thereby latching the plates together, and a clamping nut adjustable along the threaded portion of said rod, said nut adapted, when screwed in the direction of said plates, to engage the open end of the casing so as to apply a compressing force to the plates, thereby forcing the plates into juxtaposition in the vicinity of said plate holes and the co-ordinating plate holes into registry.

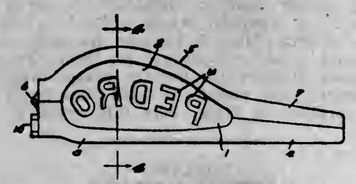
2,484,459
GARBAGE GRINDER
Ralph C. Osborn, Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application February 9, 1946, Serial No. 646,602
6 Claims. (Cl. 4—190)

1. In an electric motor driven garbage grinder, a chamber adapted to receive material to be reduced and having an inlet defined by a cylindrical passage, a cup-shaped cover including a horizontally extending disc-like imperforate wall constructed so that a cylindrical portion thereof

may be fitted in one position in said passage so as to seal the passage against the flow of liquid through said passage into said chamber, a shoulder in said passage, a part of said cover being engageable with said shoulder so as to prevent rotation of said cover in and relative to said passage in said one position, said cylindrical portion of said cover being provided with holes, said cover being engageable with said shoulder in another position of said cover so as to maintain said cover in an elevated position and to permit rotation thereof in and relative to said passage so as to expose said holes so as to permit the flow of liquid into said chamber while obstructing the inlet to said chamber to prevent the ingress of material other than liquids to said chamber or the egress through said inlet of materials being acted upon in said chamber, an electric switch arranged in the circuit of the electric motor for the grinder and positioned adjacent said inlet, and means comprising a switch actuating member projecting into said passage and responsive to positioning of said cover in said last-mentioned position in said passage for actuating said switch to close the motor circuit, said cover being removable from said passage by direct axial movement of said cover relative to said passage from any of said positions.

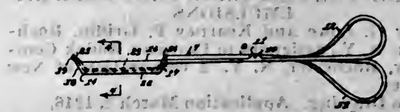


2,484,460
STEAK MOLD
Philip J. Pedro, Shreveport, La.
Application March 14, 1946, Serial No. 654,343
2 Claims. (Cl. 17—32)



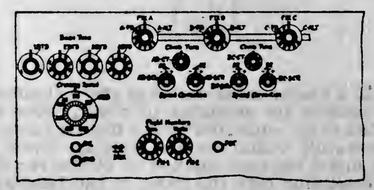
1. A mold for use in preparing food, including a bottom plate having a flat upper surface and an extension at one end, a top member hingedly connected to the other end of the plate for swinging in a plane perpendicular to the plane of the plate and adapted to rest on said upper surface, said top member having an extension, a second top member hingedly connected to the hinged end of the other top member for swinging in the plane of the first top member and having an extension, all of said extensions cooperating to form a handle when pressed together thereby to hold the plate and members in contact, said members having medial portions wholly spaced apart between their ends and cooperating with the bottom plate to form a food receiving recess open at its top.

2,484,461
TEA BAG AND BUFFET TONGS
John F. Perry, Jr., Chester, Pa.
Application June 4, 1948, Serial No. 31,191
3 Claims. (Cl. 294—106)



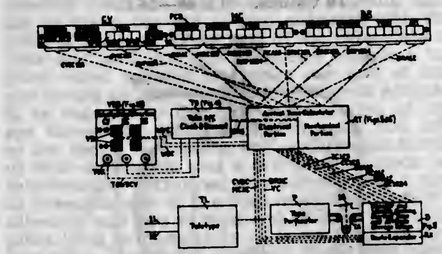
3. In tea bag and buffet tongs comprising a pair of elongated arms pivoted together at intermediate portions thereof, and each arm having a finger loop or grip portion by which to manipulate the tongs, the features which include upon the other or outer end of one arm a shallow scoop member having a bounding wall about the edge thereof, a plurality of strips spaced apart by elongated slots forming the bottom thereof with the strips longitudinally disposed in substantial parallelism with the longitudinal axis of the arm upon which the scoop is mounted, a lip projecting outwardly and upwardly from the end of the scoop member upon the wall thereof remote from the latter arm, a pressure plate secured to the corresponding other outer end of the other arm at one end of said pressure plate, and a lip projecting outwardly and upwardly from the other end of said pressure plate in effective position to cooperate with the lip on the scoop member to seize slices of meat or cheese therebetween, the pressure plate being capable of squeezing a tea bag against the strips forming the bottom of said scoop member when the finger loops or grip portions upon the arms are brought together.

2,484,462
AIRWAY TRAFFIC CONTROL SYSTEM
Neil D. Preston and Forest B. Hitchcock, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application May 25, 1944, Serial No. 537,312
54 Claims. (Cl. 235—61)



1. In an airway traffic controlling system for scheduling flights over the fix interval between a pair of fixes of a control area, speed setting means operable to represent the selected speed of a proposed flight in units of distance per unit of time, changeable time elements conditioned in accordance with the reciprocal relationship with respect to said speed setting means to indicate the time quantity required for a proposed flight to fly a unit of distance at the speed represented by said speed setting means, distance elements conditioned to indicate the distance quantity of the fix interval, sets of time buses for the different denominations of time, and calculator means governed by said time and distance elements for multiplying the indicated time quantity by the indicated distance quantity to give the flying time of the proposed flight between said pair of fixes at the selected speed, said calculator means acting to selectively energize said sets of time buses in accordance with the flying time for the proposed flight.

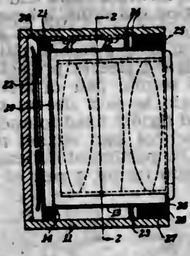
2,484,463
AIRWAY TRAFFIC CONTROL SYSTEM
Oscar S. Field, Sedgwick N. Wight, and Ralph W. Hewes, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application June 22, 1944, Serial No. 541,638
37 Claims. (Cl. 235—61)



1. In a flight route expanding, calculating and displaying system; the combination of posting units for displaying the starting time or arrival time and the altitude at which an airplane is to fly at each of a plurality of fixes along a route; means for communicating to the location of such posting units at least information as to the starting time at the first identified fix, the cruising speed of the airplane which is to fly over the route, the altitude the airplane is to fly at the first fix or at the second identified fix if the airplane is to take off at the first fix and the altitude the airplane is to fly at the last fix of the flight route; means for expanding that information into information including the identification of all the intervening fixes and the altitude at which the airplane is to fly at each of such fixes; calculating means for automatically calculating the arrival time at all fixes beyond the first identified fix; and means effective only when said calculating means has performed its calculating function to control said posting units so as to display for each fix of the flight route, the altitude at which the airplane is to fly over that fix and the starting time at the first fix as originally communicated and the arrival time at each subsequent fix as calculated by said calculating means.

2,484,464
LENS MOUNT WITH TELESCOPING LENS TUBE AND LOCKING MEANS
John L. Quigley and Douglass C. Harvey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 2, 1947, Serial No. 777,514
8 Claims. (Cl. 88—57)

1. In a camera, the combination with a lens mount formed with a cylindrical bore the periphery of which is provided with spaced axially extending keyways, of a cylindrical lens tube telescopically arranged in said bore and movable axially therein between a retracted inoperative position and an extended operative position, radially extending keys formed on said tube and extending into said keyways to guide said tube during axial movement, said periphery also being formed with short keyways spaced peripherally from said first keyways, said periphery further having peripheral slots connecting one end of said keyways,



said tube in one of said positions being rotatable relative to said bore to position said keys selectively in registry with one of said groups of keyways, and means for moving said keys automatically into the registering keyways.

2,484,465
LIGHT PLUG AND CAP
Jacob Rivinius, Minot, N. Dak.
Application December 21, 1945, Serial No. 636,463
1 Claim. (Cl. 173—343)

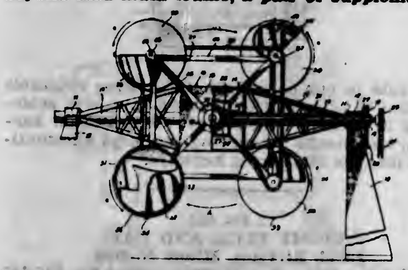


A device of the character described, comprising a plug body, screw-threads on the lower end of said body, a conical portion on the upper end of said body, a circular flanged top portion on the upper end of said conical portion, exposed contacts on the outer surface of said conical portion, a circular base, a central bore in said base, a conical recess in said base in communication with said bore, exposed contacts in the surface of the wall of the recess, the conical portion of said plug body adapted to be positioned in the conical recess of said base when said plug body is mounted into the bore of the base so that the contacts on said plug will engage the contacts in said base, outlet means connected to the contacts in the bore, means on said plug and said base to indicate the proper alignment of the contacts of the plug with the contacts of the base and when said plug body is inserted into a wall outlet and rotated by means of the circular flanged top portion on the upper end of said plug body to cause the screw threads on the lower end of said plug body to engage in the threads in the wall outlet, said plug body and said base will be locked in unit assembly.

2,484,466
AMUSEMENT DEVICE
Lester W. Rumler, Zion, Ill.
Application March 22, 1946, Serial No. 656,303
3 Claims. (Cl. 272—28)

1. A passenger carrying amusement device comprising a pair of aligned tubular sleeves providing a main shaft journaled for rotation at the outer ends thereof, the inner ends of said sleeves being spaced, a main frame rigidly mounted on said tubular sleeves for rotation therewith and rigidly securing said sleeves together, said frame

including a gear box between the inner ends of said sleeves, a driving shaft extending through one of said tubular sleeves and journaled for rotation therein, said driving shaft projecting outwardly from the outer end of said one of said tubular sleeves, means at said end of said driving shaft for rotating the same, a beveled gear fixed to the opposite end of said shaft and positioned within said gear box, a second pair of oppositely disposed aligned sleeves projecting from said gear box, said second pair of sleeves extending at a right angle to said sleeves providing said main shaft and rigidly fixed to and supported by said frame, each of said second pair of sleeves having the major portion of its length projecting beyond said main frame, a pair of supplemental



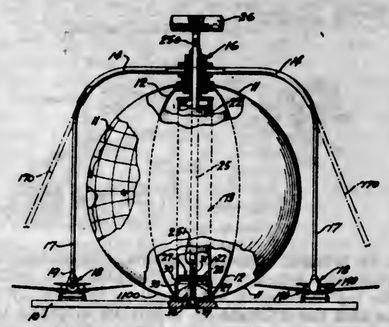
frames each supported on the projecting portion of each of said second pair of sleeves, and mounted for rotation thereon, passenger-carrying units carried by said supplemental frames and each journaled for rotation in the plane of its supplemental frame, a chain drivingly carried by each of said second pair of sleeves and operatively connected to the passenger-carrying units of its respective supplemental frame for causing the rotation of said units, a driven shaft extending through each of said second pair of sleeves and into said gear box, and means on the portion of one of said driven shafts extending into said gear box and operatively connected to said beveled gear for rotating said supplemental frames.

2,484,467
ADJUSTABLE HALTER
Aleen Schacht, New York, N. Y.
Application May 15, 1946, Serial No. 669,947
1 Claim. (Cl. 2—42)



A halter comprising a wide section of material provided with a linear upper horizontal edge, a wider lower horizontal edge and vertical side edges which are tapered towards the vertical center line of the section, said vertical side edges being provided with respective tubes along the entire lengths thereof, said tubes each having open upper and lower ends, a single cord passed through each of said tubes with its free ends extending from the open lower ends of the tubes whereby the free ends can be tied around the wearer's back at the waist, said cord extending beyond the upper horizontal edge to provide a bight, the bight of the cord extending sufficiently beyond the upper edge to pass around the wearer's neck, said vertical edges being freely slidable along the respective sections of the cord encased in the respective side tubes thereby to permit gathering of the material to shape the said wide section to the bust, and central adjustment means located at said vertical center line for gathering the center material thereby to augment the gathering effect of said vertical edges.

2,484,468
JET-PROPELLED AIRPLANE TOY
Theodore A. Schaad, Detroit, Mich.
Application April 10, 1946, Serial No. 661,132
10 Claims. (Cl. 46—56)



1. A jet propelled airplane toy comprising a support, a hub having an air chamber therein rotatably mounted on said support, a pair of diametrically opposed outwardly extending tubular arms carried by said hub and connected to said air chamber therewithin, a flexible tube connected to and depending from said outwardly extending tubular arms, an airplane mounted on the outer end of each of said flexible tubes, a jet tube disposed within each of the said airplanes and connected to one of said flexible tubes adapted to discharge air rearwardly from said airplanes whereby to cause said airplanes to simulate flight around said support, and means for supplying air under pressure to said airplanes through said hub, outwardly extending arms and flexible tubes.

2,484,469
PROCESS
Benjamin B. Schaeffer, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application July 16, 1947, Serial No. 761,437
6 Claims. (Cl. 260—650)

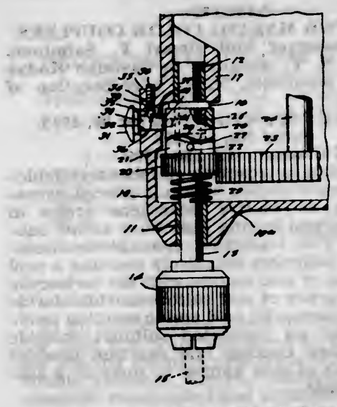
1. Method of treating a mixture containing an alkaryl compound having a side chain halogen atom and an aromatic compound free of side chain halogen atoms but having an unsaturated side chain to reduce the content of the alkaryl compound, which comprises contacting the mixture in the presence of a low molecular weight water-soluble alcohol with a solvent from the group consisting of furfural and alkyl derivatives of furfural, and through the agency of water causing stratification of the mixture with the formation of an aqueous layer comprising a major portion of the solvent and a substantial portion of the alkaryl compound.

2,484,470
SELECTIVE ANIMAL TRAP
Edward J. Schreiber, Willimantic, Conn.
Application July 2, 1948, Serial No. 36,661
3 Claims. (Cl. 43—90)



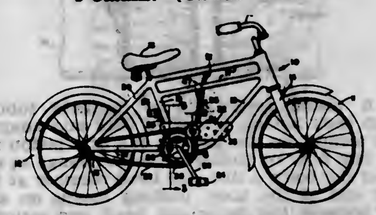
3. In a pivoted jaw trap having a pair of cooperating pivoted jaws mounted to swing upwardly together from the base plate and a spring having an eye in one end thereof engaging with the arms of the jaws at one end of the base plate to close said jaws, the features which include a tapered outer working side upon one arm of one jaw having an intermediate notch therein adapted to be engaged by one side of the spring at the eye thereof, an inclined portion upon said side of the spring facilitating the engagement thereof with said notch, and a pivoted joint upon an intermediate portion of the corresponding arm at the same end of the trap upon the other jaw allowing said jaw at said end to pivot upon the pivot joint independently of the pivotal connection of the jaw at the same end to the base plate.

2,484,471
HAMMER DRILL
Charles A. Shinn, Cheltenham, Pa.
Application December 26, 1947, Serial No. 794,009
2 Claims. (Cl. 74—22)



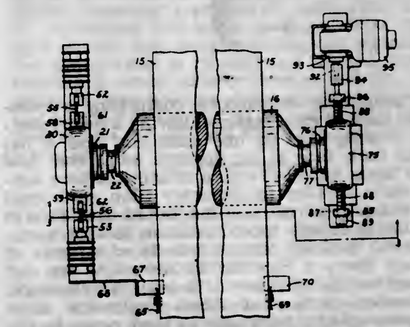
1. A hammer drill adapted to be converted into an ordinary drill comprising a casing, a shaft mounted for rotation and reciprocation in the casing, coupling means on one end of said shaft for carrying a tool, means for revolving the shaft, a sleeve slidably mounted on the other end of the shaft and provided with a cam at one end, a second sleeve secured on the shaft intermediate said coupling means and said first sleeve and having a cam at one end adapted to be engaged by the cam on the first sleeve, a spring urging the shaft in one direction for retaining the cams in engagement, a connecting means between the first sleeve and the casing so that when the shaft is rotated the second cam will ride over the first cam and move the shaft longitudinally in the opposite direction while the spring alternately returns said shaft, and means releasing the connecting means between the first sleeve and the casing to cause the sleeves to revolve in synchronism.

2,484,472
PROPULSION AID FOR VELOCIPEDES
Charles W. Simpson, Harlingen, Tex.
Application August 16, 1948, Serial No. 43,418
8 Claims. (Cl. 280—212)



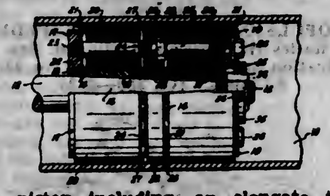
1. A propulsion aid for velocipedes having a frame and a propulsion crank journaled therein, comprising: a spur gear secured to the crank to rotate therewith, a pinion rotatably mounted on the frame and in mesh with the spur gear, the pinion and spur gear having a 2:1 speed ratio, an eccentric pin connected with the pinion, and resilient means engaged at one end with the eccentric pin and at the other end with the frame, whereby the resilient means aids the propulsion crank twice during each revolution thereof.

2,484,473
PAPER MACHINERY
Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application October 11, 1946, Serial No. 702,676
14 Claims. (Cl. 74—241)



1. A control for maintaining a traveling member in a predetermined desired path of travel comprising a guide roll extending generally transversely of said path of travel and in running contact with said traveling member, means for adjustably mounting said guide roll to vary its angular relation to said traveling member to correct the path of travel of said member, means for sensing a departure of said traveling member from its normal path of travel, means controlled by said sensing means for effecting a substantial temporary movement of said guide roll in the angular direction to correct the path of travel of said member during the time said sensing means is actuated, and additional means controlled by said sensing means for producing a small retained movement of said guide roll in the same angular direction.

2,484,474
PISTON
Frederick G. Stock, Dallas, Tex.
Application May 4, 1945, Serial No. 591,978
12 Claims. (Cl. 309—4)



3. A piston including, an elongate tubular piston body having a tapered bore and adapted to be secured on the tapered end of a piston rod by a jam nut, an annular disc-like flange at one end of the body, a disc-like head member at the other end of the body, packing means on said body between the flange and head, and securing means fixed on the flange and adjustably co-acting with the head member to secure the packing means on the body between the flange and head member, said head member and packing means being removable from the body without removing the body or jam nut from the piston rod.

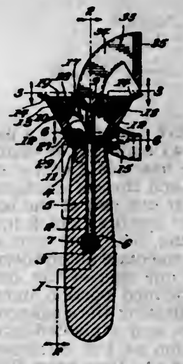
2,484,475
SHUTTLECOCK
Walter J. Studer, Buffalo, N. Y.
Application March 5, 1946, Serial No. 652,034
1 Claim. (Cl. 273—106)



A badminton shuttlecock, comprising a cylindrical head of rigid material having a hemispherical striking face at one axial end and a flat radial back face at its opposite axial end, said head being provided with a cylindrical bore substantially smaller in diameter than said head and extending from said flat radial back face to a point in closely spaced relation to said hemispherical striking face, a bundle of strands of springy fibers, a tape tightly encircling one end of said bundle of fibers to provide a cylindrical contracted portion of substantially the same diameter as said bore and at least equal to the length thereof, and an adhesive securing said taped cylindrical contracted portion within said bore with its extremity against the inner end of said bore, the ends of the strands projecting outwardly from said taped cylindrical contracted portion being fluffed out to provide a comet-like tail for said head with the ends of said strands substantially uniformly distributed over the entire end face of said tail.

2,484,476
SCRAPER
George J. Teigland, Wilmington, Del.
Application December 26, 1944, Serial No. 569,888
3 Claims. (Cl. 30—172)

1. A scraping tool, comprising a handle, a reversible cutter blade frame having a base and diverging side walls extending from said base, said side walls being provided with beveled edges, a pair of blades, one supported on each beveled edge, said blades having shoulders, arcuate fingers on the frame extending from said side walls at opposite sides thereof, the shoulders on said blades engaging said fingers to center the blades,



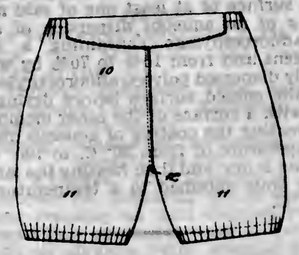
a clamping plate having beveled edges cooperating with the beveled edges of the side walls to clamp the blades therebetween, said clamping plate having shoulders engaged and centered by the fingers from said side walls, a supporting rod means extending through said clamping plate and base for securing the same together and to the handle.

2,484,477
PROCESS FOR MAKING COLOR COUPLERS
Arnold Weissberger and Ilmari F. Salminen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 30, 1943, Serial No. 508,392
6 Claims. (Cl. 260—309)

3. The method of reacting sulfobenzoyldichloride in successive stages, with a 1-phenyl pyrazolone having a reactive methylene group in the 4-position and having a primary amino substituent, and with 5-amino-2-mercaptobenzimidazole, which comprises selectively reacting a cool solution of one of said amines with the carboxylic acid chloride group of said sulfobenzoyldichloride to produce a carboxylic acid amide reaction product containing an unreacted sulfonyl chloride group, and then heating said reaction product with the other of said amines to produce a sulfonic acid amide.

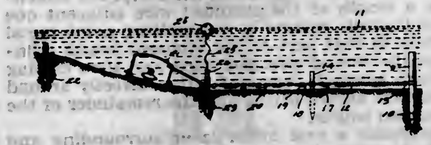
2,484,478
CHILDREN'S AND GIRLS' PANTS
Flo Jean Wertz, Washington, D. C.
Application December 23, 1947, Serial No. 793,241
2 Claims. (Cl. 2—224)

2. A pair of children's or girls' pants comprising duplicate right and left half-sections each composed of substantially duplicate front and back waist portions and duplicate front and back leg portions, the outer edges of the front and back waist and leg portions of each half-section being joined together along a substantially straight line extending substantially parallel to one set of the threads of the material from which the half-section is formed, the inner edges of the leg portions of each half-section being substantially straight and being disposed substantially parallel to the outer edges of the waist and the leg portions of the half-section and being joined together, the inner edges of the front and the back waist portions of the half-sections being cut on a bias with respect to the threads of the material of said half-sections and extending downwardly and inwardly on duplicate progressively increasing curves to the tops of the inner edges of the front and back leg portions, respectively, of the half-



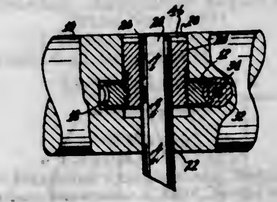
sections, the inner edges of the back waist portions of the respective half-sections being joined together and the inner edges of the front waist portions of the respective sections being joined together to form the waist and the crotch portions of the pants, and the distance between the tops of the waist portions and the junctions of the inner edges of the leg portions with the inner edges of the waist portions of the half-sections being substantially equal to the distance between the waist and the crotch of the person which the pants are designed to fit.

2,484,479
DROWNING ATTACHMENT FOR TRAPS
George Adkins, Portsmouth, Ohio
Application June 27, 1947, Serial No. 757,474
3 Claims. (Cl. 43—96)



2. An anchor attachment for traps adapted for use with jaw traps employed in the trapping of fur bearing animals, said traps having anchoring chains attached thereto, comprising anchoring elements constructed and arranged to engage and hold a trap when in a set position, a plurality of resilient members, and an attaching member connected to the adjacent ends of said resilient members and to the free end of the anchoring chain of the trap, said resilient members being anchored at their opposite ends and being normally disposed with one of said resilient members substantially in line with the trap chain when the other resilient members are disposed substantially at right angles thereto, said resilient members being disposed under tension when the trap is in a set position and held by said anchoring elements, and said anchoring elements being constructed and arranged to release the trap when sprung for permitting the trap to be drawn toward the anchored ends of said resilient members.

2,484,480
ADJUSTMENT FOR BORING BAR TOOLS
Einar Anderson, Leominster, Mass.
Application January 14, 1946, Serial No. 2,269
1 Claim. (Cl. 77—56)

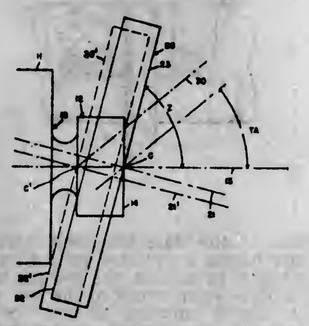


A device of the class described comprising a boring bar having a slot therein and an opening at right angles to the slot, the opening intersecting the slot, a worm wheel in the slot and substantially closely confined therein, for rotative motion only, the worm wheel being centrally open and internally threaded, a tool bushing holder in the opening and slidably fitting the same for lateral support therein, said holder being externally threaded and in mesh with the internal threads of the worm wheel, means holding the tool bushing holder against rotation so that rotation of the worm wheel causes axial movement only of the tool bushing holder, the bar having a second and smaller opening aligned and centrally arranged relatively to the first named opening, the tool bushing holder having an opening axially thereof and aligned and of like size with the second opening in the bar, a separable boring tool in the tool bushing holder and second opening, means removably clamping the boring tool therein, the boring tool being axially slidable in the said second and smaller boring bar opening as the worm wheel is rotated and the tool holding bushing is moved axially thereby, and the opening in the tool holder and the smaller tool receiving opening in the boring bar being of a size to just receive the tool and firmly support the same laterally.

2,484,481
LATENT CATALYSTS FOR ACID-CURING ALDEHYDE REACTION PRODUCTS CAPABLE OF FORMING RESINS UNDER ACIDIC CONDITIONS
Paul Arthur, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1946, Serial No. 712,231
14 Claims. (Cl. 260—9)

10. A composition comprising an acid-curing aldehyde reaction product capable of forming a water-insoluble resin under acidic conditions and as a latent curing catalyst therefor an essentially neutral nitroamide of a carboxy acid which nitroamide does not alter initially the pH of aqueous systems having a pH of 6.5 to 8 when added to such systems, said nitroamide being entirely saturated aliphatic hydrocarbon other than the nitrogen and oxygen atoms in the nitro and amido groups and having each amido nitrogen atom to which a nitro group is attached joined solely to the nitro group and to two carbon atoms one of which carbon atoms is joined to oxygen by a double bond.

2,484,482
METHOD OF SHAVING SHOULDER GEARS
Donald D. Austin, Sr., Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 14, 1947, Serial No. 741,336
2 Claims. (Cl. 90—1.6)



1. The method of shaving shoulder gears with a rotary gear-like cutter which comprises selecting a crossed axes setting determined by minimum clearance conditions when the common normal to the axes of the gear and cutter is adjacent the edges of the gear and cutter which are next to the shoulder of the gear, meshing the gear and cutter at such crossed axes setting with the common normal to the axes of the gear and cutter located adjacent the edge of the gear remote from its shoulder and with said common normal remote from the edge of the cutter next to the shoulder of the gear, rotating the gear and cutter in mesh, and effecting a slow relative traverse between the gear and cutter which occupies a plane parallel to the axes of both gear and cutter and which occupies the acute sector in the plane located between the axis of the gear and the side of the cutter, the direction and length of the traverse stroke being related to the crossed axes setting such that at the end of the stroke the common normal to the axes of the gear and cutter are closely adjacent the edges of the cutter and gear which are next to the shoulder of the gear.

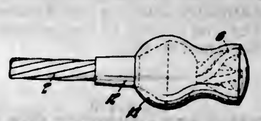
2,484,483
POLYTETRAFLUOROETHYLENE DISPERSIONS
Kenneth L. Berry, Heckesain, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1945, Serial No. 607,255
9 Claims. (Cl. 260—32.8)

1. A composition of matter comprising a dispersion in an anhydrous normally liquid organic medium of a copolymer of tetrafluorethylene and another polymerizable monoethylenically unsaturated compound dispersed in a particle size of from 0.1 to 15 microns throughout said medium, said copolymer consisting of from 50% to 85% combined tetrafluoroethylene, said organic liquid medium being one which boils above 175° C., and which is selected from the group consisting of ketones and neutral esters of carboxylic acids.

2,484,484
PROCESS FOR OBTAINING LAMINATED PRODUCTS
Kenneth L. Berry, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 6, 1948, Serial No. 37,299
5 Claims. (Cl. 154—140)

2. A process for adhesively joining the surfaces of two members, one of which is solid tetrafluoroethylene polymer, said process comprising applying to a surface of at least one of said members a coating of an aqueous dispersion of colloidal polytetrafluoroethylene containing a surface-active agent and from 10% to 70% by weight of colloidally dispersed polytetrafluoroethylene, contacting the coated surface before drying of the coating with a surface of the other member to be joined, heating the coating of aqueous dispersion at a temperature of from 30° C. to 100° C. until the coating is dry, and then heating the laminated assembly thus obtained to a temperature of at least 327° C.

2,484,485
DIE CAST TERMINAL FITTINGS AND METHOD OF MAKING THE SAME
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 8, 1945, Serial No. 571,918
4 Claims. (Cl. 287—80)

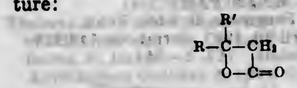


2. The method of making a terminal fitting for stranded wire structure which comprises brooming a length of the stranded wire adjacent one end thereof, casting a low melting point metal fitting to that part of the broomed length adjacent the wound stranded wire, and then casting a high strength terminal fitting directly around said first named fitting and the remainder of the broomed length.
comprising a cast metal layer surrounding and
3. A connector for stranded wire structure in intimate contact with said wire structure, said metal layer having a relatively low melting point, and a second cast metal layer surrounding and merging with said first metal layer, said second layer having a relatively high melting point.

2,484,486
PREPARATION OF CARBOXYLIC ACIDS BY THE REDUCTION OF BETA LACTONES
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 15, 1946, Serial No. 670,037
8 Claims. (Cl. 260—540)

1. The process for preparing aliphatic saturated carboxylic acids from the beta lactones of the acids to be prepared which comprises hydrogenating in a closed vessel, in the presence of a metallic hydrogenation catalyst, at a temperature above

100° C. a beta lactone having the general structure:



wherein R and R' each represents a member selected from the class consisting of hydrogen and an alkyl group containing 1 to 4 carbon atoms.

2,484,487
PROCESS FOR PREPARING GLYCOL MONOESTERS OF ACRYLIC AND α-METHACRYLIC ACIDS
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 8, 1948, Serial No. 48,318
8 Claims. (Cl. 260—486)

1. A process for preparing glycol monoesters comprising reacting an acid selected from the group consisting of acrylic and α-methacrylic acids with an alkylene oxide selected from the group consisting of ethylene and propylene oxides, in the presence of a tertiary amine catalyst having a dissociation constant in water at 25° C. of from 1×10^{-6} to 1×10^{-10}.

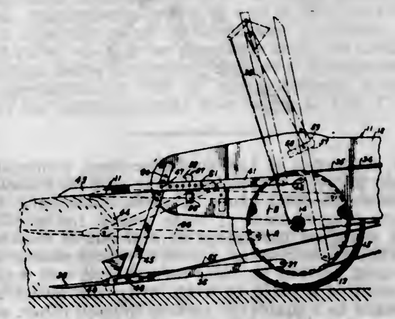
2,484,488
WASHING DEVICE FOR VEHICLES AND OTHER OBJECTS
Reginald Stephen Corbett, Altrincham, England
Application September 24, 1946, Serial No. 698,965
In Great Britain March 4, 1946
1 Claim. (Cl. 15—128)



A fountain mop, comprising a tubular handle adapted to be connected at one end to a water supply, a tubular core fitting having one end secured to the other end of the handle and having external grooves, a nozzle of resilient material at the free end of the core fitting, a bundle of doubled-over yarn strands arranged around the core fitting and tied thereon with the free ends extending beyond the free end of the core fitting, inner portions of the yarn being tied into the grooves in the core fitting, and some of the inner strands of yarn being tied over the resilient nozzle, a resilient sleeve surrounding the part of the yarn bundle which is tied to the core fitting and having a closed end through which the handle passes.

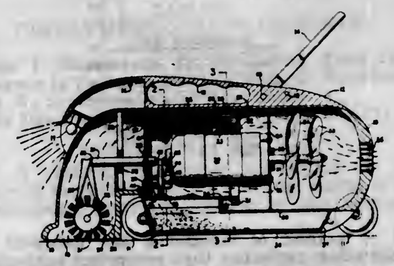
2,484,489
3,4-DICHLOROPHENYLSULFONYL TRIBROMOMETHANE
W E Craig, Philadelphia, and William F. Hester, Drexel Hill, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 7, 1947, Serial No. 767,314
1 Claim. (Cl. 260—607)
A compound of the formula
3,4-$Cl_2C_6H_3SO_2CBr_3$

2,484,490
LOADING DEVICE
Arthur Raymond Cunningham, Detroit, Mich.
Application November 4, 1946, Serial No. 707,658
11 Claims. (Cl. 214—78)



1. A loading device for a vehicle having an axle supporting ground engaging wheels and having a body, said device comprising an element supported on the axle for rotation relative to the ground engaging wheels, material handling means projecting from one end of the body, said means embodying a member responsive to rotation of the element in one direction to pierce a pile of material and responsive to continued rotation of the element in said one direction to swing the material over the top of the vehicle body.

2,484,491
MOVABLE FILTER TYPE SUCTION CLEANER
William J. Daugherty, Cleveland, Ohio
Application July 16, 1947, Serial No. 761,381
4 Claims. (Cl. 183—63)



1. In a suction cleaner a unitary housing, a motor having its shaft extending longitudinally of the housing mounted in said housing, a plurality of suction inducing fans carried on the motor shaft rearwardly of the motor, a rotating cylindrical filter screen rotatably carried by said motor shaft and positioned between the suction end of the housing and the discharge end of the

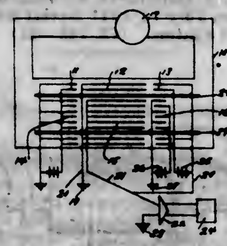
housing, and means embracing gear reduction means for driving the rotating cylindrical filter screen from the motor shaft.

2,484,492
SEGMENTAL BOX-TYPE WRENCH WITH PIVOTED LEVERS
John C. Dingley, Rexburg, Idaho, assignor of one-half to Sheldon J. Morris, Pacoima, Calif.
Application August 12, 1946, Serial No. 690,005
2 Claims. (Cl. 81—121)



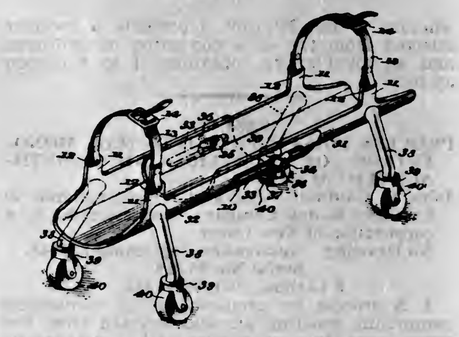
2. A wrench of the kind described, comprising a pair of levers arranged side-by-side for matched relation to each other, a pivot connecting the levers intermediate of their length for side-by-side swinging movement in and out of matched relation to each other, a laterally projected socket forming portion on each lever which will match to encircle a piece of work when the levers are brought to a matched relation to each other, and means interlocking the jaw portions when the levers are in matched relation for preventing lateral spreading thereof.

2,484,493
METHOD AND APPARATUS FOR MEASURING HARDNESS AND INTENSITY OF PENETRATING RADIATION
Robert E. Fearon, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application June 29, 1948, Serial No. 35,784
14 Claims. (Cl. 250—83.6)



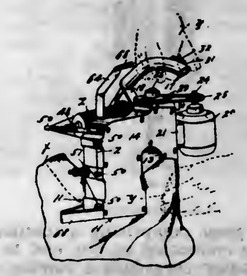
1. A method of measuring the hardness of penetrating radiation that comprises subjecting an ionizable medium which is being circulated through at least two separate paths to a known intensity of the penetrating radiation, filtering from one path a considerable fraction of the radiation having hardness below a predetermined value, and measuring the difference between the ionization produced in each path at the origin of said measurement.

2,484,494
KNEE PAD
Robert O. Ferguson, Bristol, Tenn.
Application April 30, 1947, Serial No. 744,839
7 Claims. (Cl. 2—24)



6. A device of the character described for supporting a workman's leg when in kneeling position comprising a pair of shanks concave on their inner side, means for securing said shanks together in telescoping relationship to present an elongated shank adjustable in length to fit over substantially the entire shin of the wearer's leg from a point adjacent the knee to a point adjacent the ankle, clamping bolts for securing said shanks rigidly together at their adjusted position, legs secured to the outer side of each of said shanks and extending at substantially right angles from said shanks downwardly to maintain the leg of the wearer in an elevated position relative to the floor when the wearer is kneeling, thus supporting the leg above the floor at a substantial height to permit the foot of the wearer to hang downwardly from the leg in a natural position, and rollers on the lower portions of each of said legs.

2,484,495
ELECTRIC SEWING MACHINE
Dave Fischbein, Minneapolis, Minn.
Application August 29, 1945, Serial No. 613,261
6 Claims. (Cl. 112—11)



1. In a portable electric sewing machine, a housing, an electric motor mounted on the housing, a handle overlying the housing and by which handle the sewing machine may be carried in suspension by one hand of an operator to its work and thus held during the operation thereof, in combination with a yieldingly held lever for operating the presser foot of the machine, said lever being closely positioned to the rear end portion of the handle whereby the same may be operated by a rocking movement of the hand holding the handle.

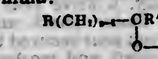
2,484,496
OSCILLATING PLOW
Thomas E. Gerdon, Jamestown, N. Dak., assignor of fifty per cent to Cletus A. Kirkpatrick, Williston, N. Dak.
Application October 4, 1948, Serial No. 52,637
1 Claim. (Cl. 97—55)



An oscillating plow adapted to be drawn by a tractor or the like comprising a main shaft, wheels carried by said main shaft, a wheeled frame including two sections each having spaced parallel side members and a transverse member secured to the outer extremities of said side members, means for pivotally securing the inner extremities of said side members to said main shaft adjacent said wheels, transverse spaced parallel plow actuating shafts rotatably mounted on said frame sections, longitudinal spaced parallel blade-supporting rods hingedly secured to said frame sections and operatively overlying said shafts, plow blades carried by the free ends of said rods, means associated with said main shaft and said transverse shafts whereby said transverse shafts are rotated as the main shaft rotates, and lever means for adjustably raising and lowering said plow blades, said lever means including a longitudinal rod pivotally secured at one extremity to one of said frame sections, a spring-actuated arm slidably, rotatably and adjustably mounted on the other of said frame sections, the other extremity of said longitudinal rod being pivotally secured to said arm.

2,484,497
PREPARATION OF SUBSTITUTED LOWER ALIPHATIC ACIDS
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 15, 1946, Serial No. 670,032
3 Claims. (Cl. 260—514)

1. The process for preparing substituted aliphatic carboxylic acids which comprises hydrogenating in a closed vessel in the presence of a Raney nickel hydrogenation catalyst at a temperature within the range of 90° C. to 240° C. and at a pressure within the range of 700 to 2000 pounds per square inch the β-lactones having the general formula:



wherein R is a phenyl group, and R' represents a member selected from the class consisting of a hydrogen atom and a methyl group, and n represents a small whole number from 1 to 4.

2,484,498
PREPARATION OF BUTYRIC ACID
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 9, 1946, Serial No. 682,267
5 Claims. (Cl. 260—540)

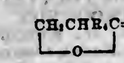
1. The process for preparing butyric acid which comprises hydrogenating diketene in a closed vessel at super atmospheric pressures and in the presence of a Raney nickel hydrogenation catalyst and an inert organic liquid diluent at a relatively low temperature within the range of 25 to 90° C. until the initial reaction subsides and continuing the hydrogenation at a relatively higher temperature within the range 130 to 200° C. until hydrogenation is substantially complete.

2,484,499
PROCESS FOR PREPARING ESTER LACTONES
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application May 15, 1946, Serial No. 670,032. Divided and this application September 10, 1947, Serial No. 773,294
1 Claim. (Cl. 260—344)

The process for preparing an ester-lactone comprising hydrogenating in a closed vessel at super atmospheric pressures and in the presence of a hydrogenating catalyst the β-lactone of β-(2-furyl)-β-hydroxy propionic acid, the hydrogenation being conducted first at a temperature of approximately 160° C. and continued thereafter for approximately four hours at 210° C.

2,484,500
PREPARATION OF PROPIONIC ACIDS BY REDUCTION OF BETA PROPIONO LACTONES
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 28, 1947, Serial No. 782,673
13 Claims. (Cl. 260—514)

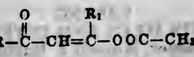
1. The process for the production of organic carboxylic acids by the catalytic hydrogenation in the presence of a metallic hydrogenation catalyst and in the presence of copper and water in an amount being only such as to function as a polymerization inhibitor, of beta propiono lactones of the general formula:



wherein R_4 represents a member selected from the class consisting of a hydrogen atom, and the groups: methyl, ethyl, n-propyl, n-butyl, iso butyl, benzyl, β-phenylethyl, phenyl, m-tolyl and p-tolyl.

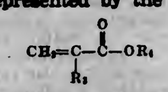
2,484,501
COPOLYMERS OF ENOL ESTERS OF DIKETONES
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1947, Serial No. 788,321
16 Claims. (Cl. 260—86)

1. A resinous copolymer containing in the polymer molecule from 5 to 50% by weight of an acetylated enolate represented by the formula:

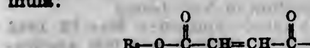


wherein R and R_1 each represents a member selected from the group consisting of a methyl group and an ethyl group, and from 50 to 95% by weight of another unsaturated copolymerizable compound selected from the group consisting of styrene; acrylonitrile; α-methacryloni-

trile; esters represented by the formula:



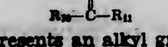
wherein R_3 represents a member selected from the group consisting of a hydrogen atom and a methyl group, and R_4 represents a member selected from the group consisting of an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4, a benzyl group and a β-phenylethyl group; esters represented by the formula:



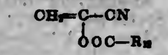
wherein R_6 and R_8 each represents an alkyl group of the formula C_nH_{2n+1} where n is a positive integer from 1 to 4; vinyl esters represented by the formula

$$R_7—COOCH=CH_2$$

wherein R_7 represents an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 3; alkenyl ketones represented by the formula:



wherein R represents an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4 and R_{11} represents an alkenyl group of the formula C_nH_{2n-1} wherein n is a positive integer from 2 to 4; and α-acyloxyacrylonitriles represented by the formula:



wherein R_{13} represents an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 3.

2,484,502
HALOGENATION OF POLYVINYL ALCOHOL COMPOUNDS
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1947, Serial No. 788,322
6 Claims. (Cl. 260—91.3)

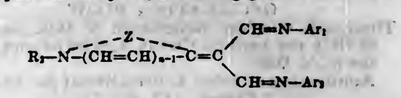
1. A process for replacing a hydroxyl group of a polyvinyl compound containing polyvinyl alcohol hydroxyl groups by a halogen atom, which comprises reacting said compound with a member selected from the group consisting of anhydrous hydrogen chloride, anhydrous hydrogen bromide, and anhydrous hydrogen iodide in the presence of a nitrile having the formula:

$$R—CN$$

wherein R represents a member selected from the group consisting of a hydrogen atom and an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4 at a temperature of 40–150° C.

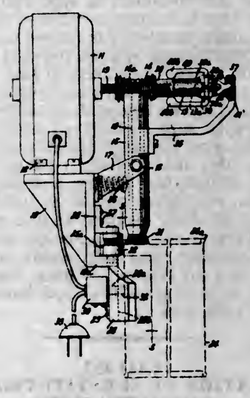
2,484,503
POLYMETHIN DYES AND INTERMEDIATES
Frances M. Hamer, Russell J. Rathbone, and Barbara Seaton Winten, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 1, 1947, Serial No. 726,900. In Great Britain February 22, 1946
12 Claims. (Cl. 260—240)

1. The dianiloisopropylidene compounds which are represented by the following general formula:



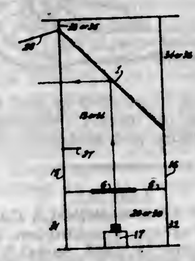
wherein R_2 represents an alkyyl group, n represents a positive integer of from 1 to 2, Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus containing from 5 to 6 atoms in the heterocyclic ring, and Ar_1 and Ar_2 each represents an aryl group.

2,484,504
CAN OPENER
Oscar H. Hanby, Grandview, Wash.
Application July 26, 1948, Serial No. 40,689
7 Claims. (Cl. 30—4)



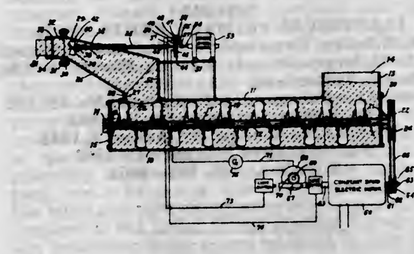
6. In a can opener the combination comprising a support, an upright drive shaft, means pivotally mounting said shaft intermediate the ends thereof on said support, a can driving roller secured to the lower end of said shaft, stationary guide rollers between which and said driving rollers the bead of the can is adapted to be placed, a cutter located between said guide rollers and adapted to puncture the side wall of the can just below the bead when gripped between said rollers, spring means urging said drive shaft and driving roller in a direction away from said guide rollers, a motor on said support, the shaft of said motor extending horizontally, a drive gear and sleeve secured upon said motor shaft and movable axially thereof, a driven gear secured to the upper end of said driving shaft and meshed with said drive gear, a switch on said support for starting and stopping said motor, said switch including a pressure responsive contact actuator adapted to be pressed upon by the can to start said motor, a fly lever pivotally mounted intermediate the ends thereof on said sleeve adjacent the end of said motor shaft, one end of said lever being weighted and the other end adapted to bear against the end face of said motor shaft and cause said sleeve to be axially displaced when said weighted lever end moves radially outward upon starting said motor, and means actuated by said sleeve upon axial displacement thereof for tilting said drive shaft and hence said driving roller against the action of said spring means in the direction of said guide rollers to grip and rotate the can bead therebetween.

2,484,505
OPTICAL PROJECTION APPARATUS FOR DAYLIGHT PROJECTION AND DEMONSTRATION
Carl William Hansel, Bedford, England
Application July 2, 1946, Serial No. 680,919
In Great Britain April 12, 1946
2 Claims. (Cl. 88—24)



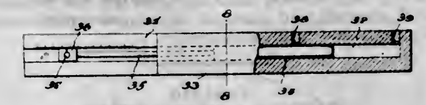
1. In apparatus for optical projection to a large number of spectators in daylight, comprising an inclosure having therein a stage provided with a central panel, said panel constituting a screen, in combination with a viewing mirror and a projector means, said projector means being located beneath the stage, the major portion of said projector means being housed within the inclosure portion beneath the stage and its screen, said inclosure having therein a sight opening located in front of the viewing mirror, said sight opening having upper and lower substantially horizontal shields, said upper shield extending forwardly and slightly downwardly from the upper edge of the viewing mirror and sight opening, said lower shield extending inwardly from the lower edge of the sight opening.

2,484,506
APPARATUS FOR MEASURING AND CONTROLLING PUG MILL OUTPUT
Elwin A. Hawk, East Rochester, Ohio
Application June 10, 1946, Serial No. 675,814
7 Claims. (Cl. 25—11)



1. In plastic material manufacture, walls forming a chamber for treatment of plastic material, some of the walls forming a restricted output opening, means operating in the chamber for extruding a flowing column of plastic material through the restricted opening, propeller means having blades adjacent the restricted opening and in the path of and intercepting the flowing column of plastic material, a first rotary member operated by the propeller means, a second rotary member spaced from and coaxial with the first rotary member, and means for driving the second rotary member at a constant speed.

2,484,507
CONTROLLING FLUID FLOW THROUGH RESTRICTED CONDUITS
Kenneth L. Hertel, Knoxville, Tenn., assignor to University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
Application April 3, 1944, Serial No. 529,352
10 Claims. (Cl. 73—38)

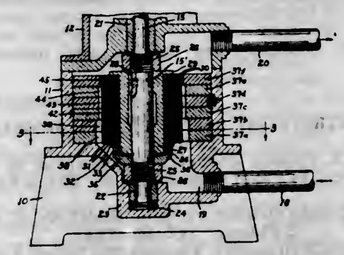


6. Apparatus for determining the relative resistance to fluid flow offered by a sample of porous material comprising a plurality of fluid conduits connected to form the four arms of a bridge, each offering a substantial resistance to fluid flow and one being constructed to contain said sample, means for causing a current of fluid to flow simultaneously through both sides of said bridge, movable unitary means for simultaneously and oppositely adjusting the resistance to fluid flow offered by two adjacent arms of the bridge other than that containing the sample until a condition of balance is obtained, and pressure responsive means for indicating when such balanced condition exists.

2,484,508
ORGANODISTANNONIC ACIDS
Julian W. Hill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1946, Serial No. 701,617
3 Claims. (Cl. 260—429)

1. An alkanedistannonic acid having a straight chain consisting of at least three and not more than ten carbon atoms, the two stannonic acid groups being attached to the respective terminal carbon atoms of said straight chain and the remaining valences of the intermediate carbon atoms of said straight chain being attached solely to hydrogen atoms.

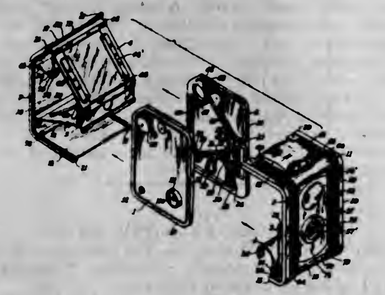
2,484,509
CYLINDER AND CONCAVE MILL WITH TOOTHED COOPERATING SURFACES
Robert C. Hopkins, Alliance, Ohio
Application November 3, 1944, Serial No. 561,693
4 Claims. (Cl. 241—46)



2. A rotary mill including a housing, a cylindrical gang of revolving circular saws within the housing, relatively small V-shape teeth upon said saws a plurality of stationary, annular cylindrical milling cutters fixed within the housing and surrounding the gang of saws, said milling cutters

having internal teeth located in close proximity to and several times the size of the teeth of the circular saws throughout their entire length, said saws being relatively thin, spacers of substantially the same thickness as the saws located between adjacent saws, and the annular milling cutters being comparatively thick and located in juxtaposition to each other, and means for passing liquid or semi-liquid material through the housing and around said gang of saws and successively through said milling cutters.

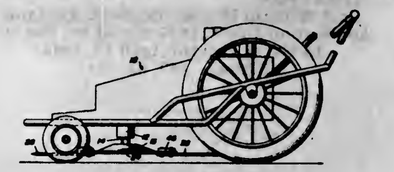
2,484,510
CAMERA CONSTRUCTION
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 15, 1945, Serial No. 582,847
14 Claims. (Cl. 95—31)



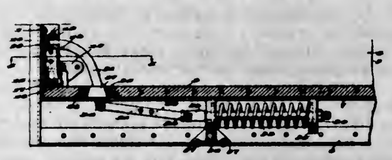
7. A camera body comprising a pair of spaced side walls having edges of predetermined thickness and having a plurality of grooves, the grooves in one wall facing the grooves in the other wall and being substantially right and left-hand and of similar pattern, two rigid plates both of U-shape when viewed from the side and both having one arm of the U materially longer than the other arm of the U, the entire lateral edges of both of the two plates including a channeled portion with the channels facing inwardly to engage the edges of predetermined thickness of the spaced side walls, and a plurality of plates, all of the same length, having their ends lying in and supported by the facing grooves in the side walls, thereby dividing the camera into a plurality of chambers, one of said two U-shaped plates supporting and positioning the side walls and partition plates, and the other of said two U-shaped plates being movably mounted with respect to the first-mentioned U-shaped plate to move relatively thereto to give access to the camera chambers for loading and unloading.

2,484,511
CENTRIFUGAL ROTARY LAWN MOWER BLADE
Edgar J. Ingalls, Zachary, La., assignor of fifty per cent to Fabio G. Halphen, Jr., Baton Rouge, La.
Application October 29, 1948, Serial No. 57,236
2 Claims. (Cl. 56—25.4)

1. In a lawn mower, a supporting frame, a shaft rotatably mounted on said frame, a cutter head fixed to said shaft, a cutter blade, pivot means securing said blade to said head adjacent the periphery thereof and actuatable by centrifugal force into a radially projecting position, said blade being swingable into a position wholly within the periphery of said head to effect yielding of the blade when encountering an obstruction, said head having an outer perimetric flange, a bearing aperture in said flange, a bearing on said blade journalled in said aperture and retaining means for loosely retaining said bearing in said aperture and said blade to said head.

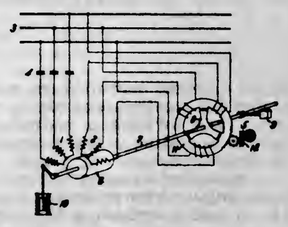


2,484,512
DROP END GONDOLA CAR
Orville Ingram, Washington, D. C.
Application June 28, 1945, Serial No. 602,025
32 Claims. (Cl. 105—238)



4. In a railway gondola car having an underframe and a floor supported thereby, the combination with a pivoted drop end door adapted to be selectively disposed in closed upright position or in open substantially horizontal position overlapping the floor, of a compression spring located beneath the floor in fixed relation to the underframe, and means attached to and movable with the door having a portion disposed beneath the floor, said means including a part cooperable with said spring for compressing it during movement of the door inwardly of the car to open position so that it is caused to provide a force tending to return the door to closed position.

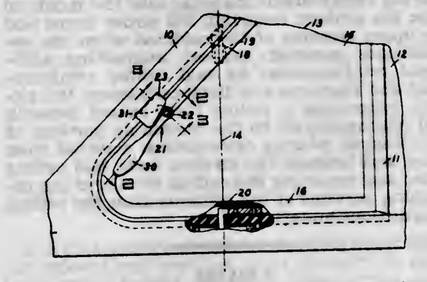
2,484,513
ELECTRICAL PRIMARY REGULATOR
Robert Keller, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application February 18, 1944, Serial No. 522,992
In Switzerland February 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1963
3 Claims. (Cl. 175—335)



1. In an electrical regulator for a multi-phase power source, a motor device including a rotor and pairs of parallel connected frequency responsive excitation circuits individual to each phase

of said source for operating said rotor in one direction or the other upon a departure in frequency of said source from a preselected value, one of said circuits of each pair consisting of a motor winding and a reactance of a predominantly capacitative character series connected with said winding and the other circuit of each pair consisting of a second motor winding and a reactance of a predominantly inductive character series connected with said second winding, said inductive reactances being comprised of choke coils wound upon a single stator member and a single rotatable core member within said stator and constituting a part of the magnetic circuit of said stator member for varying the respective inductances of said coils, said core member being mechanically coupled to said rotor and exerting a torque upon said rotor counter to the torque produced by said motor windings.

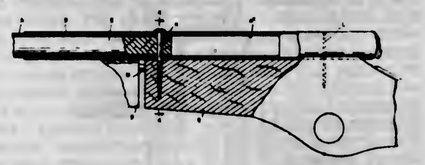
2,484,514
VENTILATOR WINDOW ASSEMBLY
Guy M. Lane and Harold G. Thunder, Detroit, Mich., assignors to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application October 27, 1947, Serial No. 782,266
1 Claim. (Cl. 296—44)



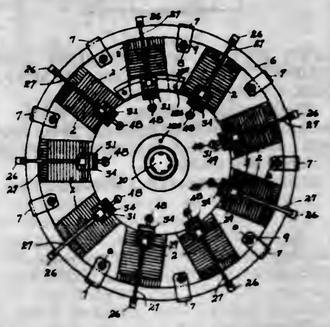
A ventilator window comprising a main frame, a ventilator supported in the main frame for swinging movement about an up and down axis located between the front and rear edges of the ventilator, a frame for the ventilator having a bottom bar and having a rearwardly opening channel shaped front bar inclined rearwardly from the bottom bar, a bracket having a part positioned within the channel of the front ventilator frame bar and secured to the base of said channel intermediate the ends of the front ventilator frame bar, said bracket having another part extending laterally inwardly with respect to the ventilator through an opening in the inner flange of the channel shaped front bar, a latch arm rotatably supported on the inwardly extending part, and a keeper on the main frame adjacent the latch arm and engageable with said arm upon rotation of the latter to one position for securing the ventilator in its closed position in said main frame.

2,484,515
TOY PUMP GUN
Charles F. Lefever, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application April 16, 1945, Serial No. 588,431
4 Claims. (Cl. 124—13)

1. A toy gun comprising telescopically engaged tube sections together forming a barrel having the outer tube extending rearwardly of the inner tube, a rod within the inner tube extending toward the muzzle and having a packing at its forward end constituting an air expelling piston within the barrel, a stopper for the forward end of the barrel, a flexible connection between said stopper and rod, a stock connected to the rear portion of the outer member of said telescopically engaged tubes and a screw passing through aligned apertures in the outer tube, through slots in the inner tube terminating forward of its rear end, through said rod and into said stock, said screw forming a means securing the barrel to the stock, an anchor for said rod, and a limit for the forward telescopic movement of the forward tube.



2,484,516
METHOD FOR ASSEMBLING THE CYLINDERS OF A RADIAL ENGINE
Abe Lee, Utica, N. Y.
Application November 22, 1946, Serial No. 711,593
3 Claims. (Cl. 121—194)

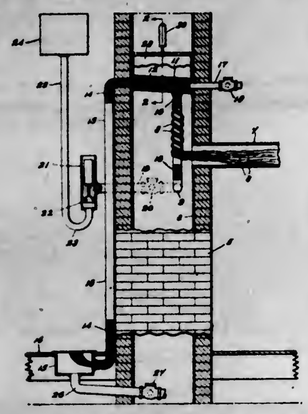


1. In a dual compression ignition engine, a plurality of cylinders arranged in a circle, heads of said cylinders having tapered surfaces, bands engaging said tapered surfaces, brackets engaging said bands and rods connecting said brackets and means mounted on said rods, whereby to draw said brackets and bands towards each other to hold the cylinders in assembled position.

2,484,517
HEATING APPARATUS
Clyde Logsdon, Carthage, Mo.
Application July 12, 1945, Serial No. 604,631
3 Claims. (Cl. 237—67)

1. In apparatus for utilizing waste heat in products of combustion, the combination with a passage through which the combustion products move, of a chamber disposed in conjunction with such passage to be heated by the combustion products therein; a radiator; a conduit connecting said radiator and chamber; metallic strands of high heat conductivity disposed in and extending throughout said chamber, conduit and radiator; means including a check valve for admitting air to the chamber and conduit; means including a check valve connected to the chamber for intermittently supplying water thereto for conversion into low pressure vapor, whereby to set up a flow of heated fluids through the

chamber, conduit and radiator in intimate contact with the metallic strands therein; and means including a check valve connected to the radiator



for discharging the fluids therefrom and setting up a slight negative pressure in the system to introduce additional air and water thereinto.

2,484,518
BENDING DEVICE COMPRISING HINGED BENDING LEAVES WITH REMOVABLE WORK-CLAMPING LEAF
Wellington W. Maier, Mio, Mich.
Original application September 5, 1946, Serial No. 694,861. Divided and this application May 28, 1948, Serial No. 29,769
4 Claims. (Cl. 153—20)

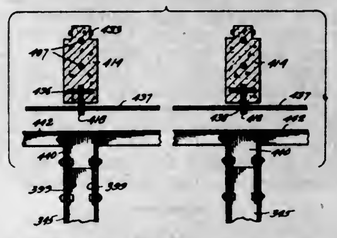


1. A metal brake for forming the laths of simulated log structures comprising a beam; identical leaves hinged to the beam at opposite sides thereof and adapted to fold upwardly relatively thereto; panels hinged to the swinging edges of said leaves adapted to fold upwardly relative thereto; a removable leaf equal in width to said hinged leaves adapted to be superposed on said hinged leaves for clamping the lath solidly thereto, and means for detachably fastening said removable leaf to said hinged leaves.

2,484,519
METHOD OF COATING SURFACES WITH BORON
Graham Robert Martin, Montreal, Quebec, Canada
No Drawing. Application July 26, 1946, Serial No. 686,453. In Canada January 15, 1946
4 Claims. (Cl. 117—106)
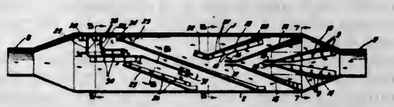
1. A method of coating surfaces which comprises maintaining the article to be coated at a temperature of about 550° C. in an evacuated chamber and passing one of a group consisting of trimethyl boron, triethyl boron and tripropyl boron in the vapour phase and under reduced pressure into contact with the surface of the heated article to cause boron to be deposited thereon in a thin film.

2,484,520
METHOD OF CONSTRUCTING GIRDERS AND CEILINGS
William R. Mathis, Tampa, Fla.
Original application December 5, 1942, Serial No. 467,971. Divided and this application October 16, 1947, Serial No. 780,273
2 Claims. (Cl. 25—155)



1. In a method of constructing girders and ceilings, those steps which consist in supporting spaced girder molds comprising removable forms providing a hollow for receiving cementitious material, and ceiling reinforcement extending below the hollow of the mold, by sectional columns; pouring cementitious material into the molds to form the girders; removing the girder forms and the upper sections of the columns when the cementitious material has set; supporting additional reinforcement by said ceiling reinforcement and spanning the distance between the girders; supporting a ceiling form spaced beneath said reinforcement, on the remaining portions of the columns; pouring cementitious material from above and between the girders, upon said ceiling form; and removing the ceiling form and the remaining portions of the columns after the ceiling cementitious material has set.

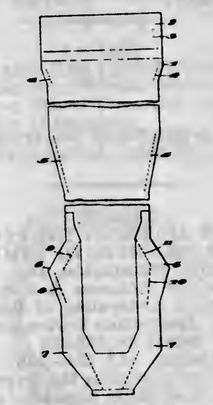
2,484,521
BAFFLE TYPE MUFFLER WITH RETROVERTED FLOW
Patrick J. May, San Francisco, Calif.
Application December 8, 1945, Serial No. 633,760
3 Claims. (Cl. 181—53)



1. An engine muffler comprising a housing having upper and lower sections connected along their opposite sides, a tortuous path of travel for exhaust gases defined in said housing and including nested pairs of rearwardly converging perforated baffle plates positioned adjacent the front ends of said muffler and terminating in restricted longitudinally aligned end inlet passages, a pair of cooperating angular deflector baffle plates positioned adjacent the rear of said muffler, one of said last mentioned plates being perforated, a rearwardly sloping perforated deflector plate positioned adjacent said front baffle plates and having an upwardly angularly extended terminal end disposed adjacent the inlet passageways for directing the exhaust gasses to said rear baffle plates, an elongated upwardly sloping imperforate deflector plate extending rearwardly from the bottom of the muffler housing to a point adjacent the rear baffle plates, said deflector plate being spaced from the top of the muffler housing thereby forming a restricted opening through which exhaust

gasses will be directed toward the rear baffle plate, said angular terminal and elongated plate defining a selected rearwardly extending passageway and an upwardly sloping short deflector plate extending between the sides of the muffler housing from the bottom of the muffler housing to a point below the rear baffle plate, said short deflector plate being parallel to said elongated deflector plate and lying below the same forming a restricted outlet passage.

2,484,522
HOSIERY
Henry Mayer, Athens, Ga.
Application May 24, 1948, Serial No. 28,838
4 Claims. (Cl. 66—187)

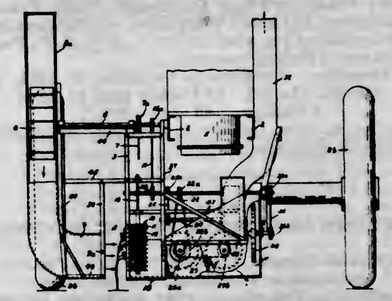


2. A foot construction for a stocking blank having opposed heel portions and a toe portion, each heel portion having widening lines for the sides of the heel and narrowing lines for the bottom of the heel, the narrowing line for the bottom of the heel in one of said heel portions being spaced from the widening line for the same side of the heel and the narrowing line for the bottom of the heel in the other of said heel portions being a continuation of the widening line in the other side of the heel and extending forwardly therefrom toward said toe portion whereby the foot of the completed stocking on the last mentioned side will be caused to conform to the arch of the foot.

2,484,523
PROCESS FOR MAKING POLYAMIDE FILAMENTS
William R. McClellan, Roselle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 4, 1945, Serial No. 571,367
6 Claims. (Cl. 18—54)

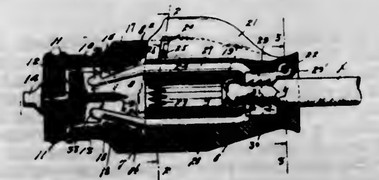
4. A process for obtaining synthetic linear polycarbonamide in the form of a thin object which is essentially molecularly unoriented but which is capable of such orientation, said process comprising extruding a molten composition comprising a synthetic linear polycarbonamide, which has a pseudo-melting point of at least 20° C. below the normal melting point of the polycarbonamide in its crystalline state, into a liquid quenching bath to cool said composition below its pseudo-melting point and convert it to supercooled non-crystalline state, removing the extruded composition from the bath, and heating the extruded composition to a temperature intermediate its pseudo-melting point and its normal melting point, and while said composition is at said temperature shaping it in the form of a thin object under extending and deforming stress which extends and deforms the polyamide composition to a degree which will cause molecular orientation in a like synthetic linear polyamide composition when it is in the crystalline state, said process being completed before said composition has passed to crystalline state, thereby yielding the shaped object in essentially unoriented state, said synthetic linear polycarbonamide composition comprising a major proportion of said polycarbonamide and a minor proportion of a resin compatible therewith.

2,484,524
MEANS FOR PICKING COTTON
Alexander R. Nisbet, Sr., San Angelo, Tex.
Application June 17, 1947, Serial No. 755,181
5 Claims. (Cl. 56—12)



1. A cotton picker including a portable frame having a plant passage and having a cotton transfer passage extending transversely of the plant passage and having an inlet at one side of the plant passage, a rotary toothed picker comprising vertically spaced rotary saws located at said inlet and blower means at the opposite side of said plant passage, and having its outlet arranged to direct an air blast transversely to said plant passage, for blowing bolls of cotton against said spaced saws whereby the lint is removed from the bolls and conveyed by means of the air blast into and through the transfer passage on the opposite side of said plant passage.

2,484,525
ELECTRIC CONNECTOR
Edward Eldridge Norris, Minneapolis, Minn.
Application October 2, 1946, Serial No. 700,651
13 Claims. (Cl. 173—343)



1. A connector having a pair of opposing electric contact jaws, means for adjusting one of the jaws relative to the other thereof, in combination with an electric cord extending between the jaws and having duplex wires the end portions of which are turned back onto opposite sides of the cord

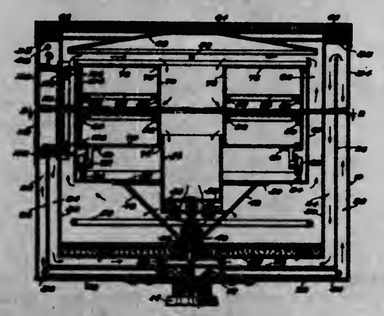
and engaged by said jaws, said jaws pressing the wires onto the cord and compressing the cord to electrically connect the jaws and the wires and anchor the cord to the connector.

8. An electrical plug having a solid cylindrical body member having in one end portion a relatively long and deep recess and in its other end a bore extending into the recess for an electric cable, said body member also having a longitudinal channel extending into the recess, an insulating carrier mounted in the channel, hinged to the body member and extending outwardly thereof to afford a finger-piece, a pair of electrodes, one of which is diametrically opposite the channel and embedded in part in the body member, the other electrode being embedded in part in the carrier, and a spring normally holding the carrier projected.

2,484,526
CALCIFEROL CHAULMOOGRATE AND PROCESS
Henry Penau and Guy Hagemann, Paris, France, assignors to Usines Chimiques des Laboratoires Francais, et par abréviation U. C. L. A. F., Paris, France, a French company
No Drawing. Application December 6, 1946, Serial No. 714,637. In France May 23, 1946
2 Claims. (Cl. 260—397.2)

1. As a new industrial product, crystallized calciferol chaulmoograte.

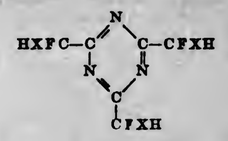
2,484,527
METHOD AND APPARATUS FOR CONTROL OF HUMIDITY
Thomas H. Rhoads, Denville, N. J., and Charles A. Southwick, Jr., Mount Vernon, Ohio
Application February 1, 1945, Serial No. 575,684
5 Claims. (Cl. 34—46)



1. A testing device of the class described: comprising at least one annular shelf having a central opening, a cylindrical baffle surrounding said shelf, a cylindrical wall surrounding and spaced from said baffle to define therewith an annular channel, a second cylindrical wall surrounding and spaced from said first named cylindrical wall to define therewith an annular channel surrounding said first named annular channel, means for delivering saturated air at predetermined temperature through said first named channel, means for delivering a fluid medium at predetermined temperature through said second named channel whereby to control the temperature of said first named cylindrical wall and means for guiding air emerging from said first named cylindrical channel into and through the opening in said shelf.

2,484,528
FLUOROMETHYLTRIAZINES
George W. Rigby, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1945, Serial No. 593,965
6 Claims. (Cl. 260—248)

1. A 2,4,6-tris-(fluoromethyl) triazine having the general formula



wherein X is a member of the group consisting of hydrogen, chlorine, bromine and fluorine atoms.

2,484,529
PROCESS FOR ALTERING THE PROPERTIES OF SOLID POLYMERS OF ETHYLENE
Milton J. Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1944, Serial No. 556,086
4 Claims. (Cl. 204—158)

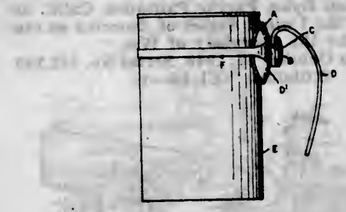
1. A process for decreasing the thermoplasticity and solubility of ethylene polymers, said process comprising intimately blending a ketone, in amount of from 1% to 50% by weight, with a solid polymer of ethylene at a temperature of at least 10° C. and below the decomposition temperature of said polymer, exposing said blend of polymer and ketone to a concentrated source of ultraviolet light until the blend becomes insoluble in organic solvents in which said polymer is soluble before being subjected to said process.

2,484,530
COPOLYMERS OF 3,3,3-TRIFLUOROPROPENE
Herman Elbert Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 24, 1948, Serial No. 28,967
4 Claims. (Cl. 260—87.5)

1. Polymeric material which comprises the polymerization product of 3,3,3-trifluoropropene and a polymerizable aliphatic hydrocarbon which contains from 2 to 4 carbon atoms, and in which the only unsaturation is a single terminal ethylenic double bond, said polymeric material containing from 5% to 95% combined 3,3,3-trifluoropropene on the basis of the weight of said ethylenically unsaturated hydrocarbon and the 3,3,3-trifluoropropene.

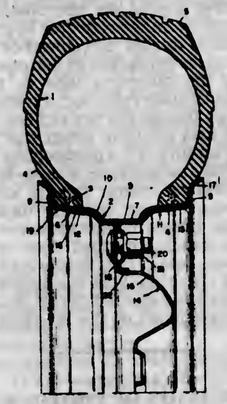
2,484,531
ATTACHABLE HANDLE FOR VESSELS
Milton Simmons, Detroit, Mich.
Application June 28, 1948, Serial No. 35,682
5 Claims. (Cl. 294—27)

1. An attachable handle for vessels comprising a suction cup having an outwardly extending knob portion, a hand grasp member secured to said knob, and an elastic band secured to said



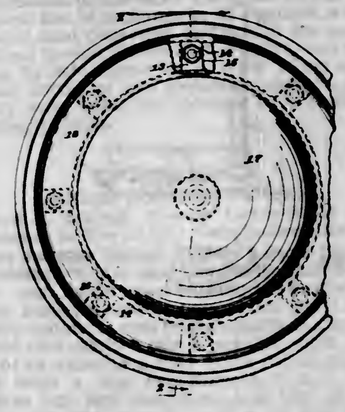
suction cup adapted to embrace the vessel to retain the same should suction be broken.

2,484,532
TIRE AND RIM CONSTRUCTION
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 8, 1944, Serial No. 534,603
1 Claim. (Cl. 152—394)



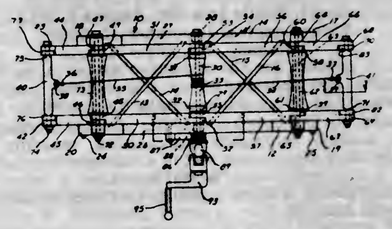
The combination with a divided rim member having two annular sections each formed with a flange, a base portion and an attachment portion, each of said base portions having an annular part adjacent the associated flange raised radially outwardly beyond the remaining part of the base portion, of a tire construction on said rim member comprising a tire casing and a flexible relatively thin band for said tire casing having base portions, an intermediate annular well and generally radially outwardly extending portions at the axially outer edges of said base portions, said base portions forming seats for the beads of said casing and having their axially outer parts engaging said radially outwardly raised annular parts and said radially outwardly extending portions engaging said flanges, the side walls of said well and adjacent parts of said base portions of said band being spaced from the parts of said base portions of said annular sections opposed to said side walls and adjacent parts, said band having a strength to retain said tire casing when said tire construction is inflated and relieved from load and requiring said rim member when said tire construction is subject to normal operating conditions.

2,484,533
WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 21, 1945, Serial No. 611,802
5 Claims. (Cl. 301—63)



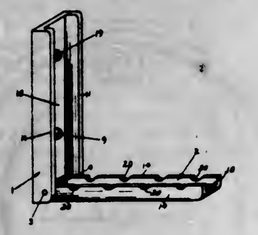
1. A motor vehicle wheel having a hub, a wheel body comprising converging discs having axially spaced central portions secured to said hub and contacting peripheral portions, said discs having angularly spaced substantially opposed pockets extending radially inwardly from said contacting peripheral portions, a rim portion integral with and extending from one of said discs, a complementary rim portion having parts engageable within the pockets of one of said discs, and means for securing said complementary rim portion to said wheel body comprising means extending through the bottoms of said pockets and said parts.

2,484,534
WHEEL CRADLE
William B. Smith, Lawrenceville, Ill.
Application February 27, 1945, Serial No. 579,967
2 Claims. (Cl. 254—4)



1. A wheel supporting cradle comprising a support including a pair of rollers between which a wheel may be supported, and a winding drum upon which the wheel may seat, means connected with the winding drum for drawing the rollers against the periphery of the wheel including a series of pivotally connected link arms supporting the rollers, pull members connected to certain of said arms forming pivots therefor, cables connecting said pull members to the winding drum, means for holding the winding drum against movement, and casters upon which the support is mounted.

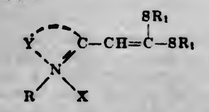
2,484,535
SELF-CLOSING CLOTHES HANGER AND DOOR KNOCKER
William Stader, Perkasie Borough, Pa.
Application March 4, 1946, Serial No. 651,895
3 Claims. (Cl. 211—99)



1. A self-closing clothes hanger support comprising a channel-shaped base which includes a web, substantially parallel legs and an open upper and lower end, a stop disposed in said open lower end, a channel-shaped inner member which includes inner legs and a web portion, said inner legs being spaced apart such a distance as to fit between said first-mentioned legs, a pivot pin carried by said first-mentioned legs and passed through said inner legs, thereby pivotally connecting said inner member with said base, a spring disposed on said pin and having ends reacting respectively on said inner member and said base opposing the pivotal operation of said inner member, the lower end of said web portion engaging said stop limiting the pivotal movement of said member with respect to said base, and said inner legs having hook accommodating recesses at the outer edges thereof.

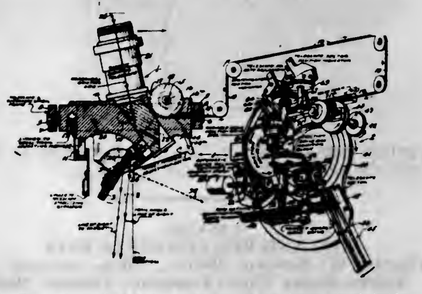
2,484,536
MESO ALKYL MERCAPTO SUBSTITUTED CARBOCYANINES AND PROCESS FOR PREPARING SAME
Leo Arnold Van de Straete, Mortsel-Antwerp, Belgium, assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium, a company of Belgium
No Drawing. Application June 13, 1947, Serial No. 754,605. In the Netherlands December 12, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1960
7 Claims. (Cl. 260—240)

1. A process for the manufacture of a carbocyanine dye substituted at the central carbon atom of the polymethine chain by a member selected from the group consisting of alkyl mercapto and aralkyl mercapto, comprising reacting a quaternary ammonium salt of a nitrogen-containing heterocyclic base which contains a reactive methyl group with a substance of the following general formula:



wherein
Y represents the non-metallic atoms required for completing a heterocyclic nucleus selected from the group consisting of 5-membered heterocyclic nuclei, and such nuclei having an aromatic ring fused on,
R and R_1 represent a substituent selected from the group consisting of alkyl and aralkyl, and
X represents an acid residue.

2,484,537
BOMBSIGHT WITH TRAIL ANGLE SIGHTING REFLECTOR MEANS
Henry A. Van Dyke, Pacific Palisades, Calif., assignor to the United States of America as represented by the Secretary of War
Application October 17, 1946, Serial No. 703,749
2 Claims. (Cl. 88—1)



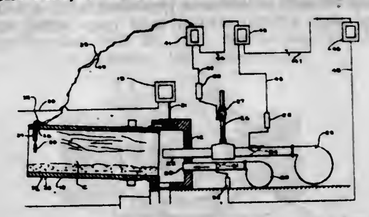
1. In a bombsight, a support, a target sighting objective lens fixed on the support, a target image reflector tiltably arranged on the support in the sighting field of the sighting objective lens, adjustable power means on the bombsight connected to the target image reflector to progressively tilt the reflector during movement of the bombsight toward a selected target to maintain a line of sight through the objective lens to the target, reflected by the tiltable reflector, during approach movement of the bombsight toward the target at a uniform speed and altitude when the bombsight is mounted on an aircraft approaching the target at uniform speed and altitude, a semi-transparent trail angle reflecting mirror fixedly arranged on the support between the sighting objective lens and the tiltable target image reflector to reflect the image of a missile, dropped from the aircraft and falling free below the bombsight, into the target sighting objective lens in coincident sighting relation with the reflected target image during the aforesaid movement of the bombsight toward the target.

2,484,538
LATENSIFICATION OF PHOTOGRAPHIC IMAGES
Waldemar Vanselow and Raymond F. Quirk, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 25, 1948, Serial No. 35,296
9 Claims. (Cl. 95—88)

1. The method of intensifying a latent image of a photographic silver halide emulsion layer which comprises treating said emulsion layer, subsequent to exposure and prior to development, with an aqueous solution of an alkali metal perborate, and developing the latent image.

2,484,539
MEANS FOR ROTARY KILN TEMPERATURE CONTROL
Robert S. Walker, Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application July 10, 1945, Serial No. 604,199
6 Claims. (Cl. 263—32)

1. The combination comprising a rotary kiln having a substantially cylindrical wall, heating means at the output end of the kiln providing a calcining zone extending inwardly from said end for an extended distance to a beginning point spaced a substantial distance from the input end of the kiln, a temperature responsive element, a

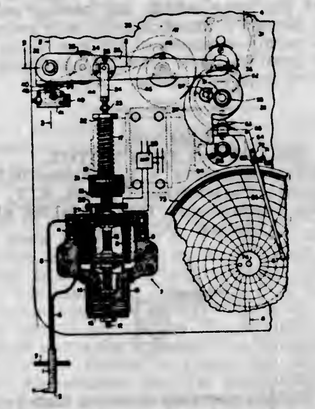


support for said element carried by the kiln wall projecting inwardly toward the kiln axis substantially at the beginning of said calcining zone and constantly supporting said element above the level of the material traversing the kiln, in continuously exposed relation to the combustion gases, and means controlled by said temperature responsive element for controlling said heating means.

2,484,540
LEAD COATING PROCESS
Irving P. Whitehouse, South Euclid, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Application October 3, 1945, Serial No. 620,176
4 Claims. (Cl. 204—36)

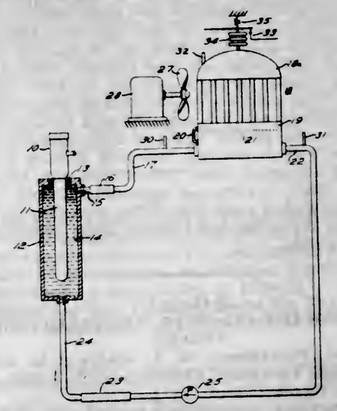
1. The process of lead coating a metal article which comprises the steps of electrodepositing a coating of lead on such an article and closing pin holes in the coating and increasing the resistance of the article to corrosion by frictionally wiping said coating with soft, fibrous material while the coating is in a mineral oil.

2,484,541
PRESSURE MEASURING INSTRUMENT
Aloysius F. Allwein, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 18, 1944, Serial No. 559,154
11 Claims. (Cl. 318—32)



9. In a ship log mechanism, the combination including, a pressure responsive device having an element deflecting in accordance with a differential pressure applied thereto, means having a variable coefficient to produce a differential pressure varying in accordance with a given law as the ship's speed varies, means to apply said differential pressure to said deflecting element, means for varying the capacity of an electric circuit connected so as to be operated by said deflecting element, an amplifying electric circuit containing said capacity varying means, a motor connected to said circuit so as to be rotated in one direction or the other when said circuit is unbalanced due to a change in its capacity, a spring stressing said deflecting element in the opposite direction to said differential pressure, and means driven by said motor to vary the stress applied by said spring to said deflecting element and to restore said deflecting element to a neutral or balanced position.

2,484,542
ANODE COOLING SYSTEM
Wilfrid L. Atwood, Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application May 15, 1946, Serial No. 669,997
8 Claims. (Cl. 250—27.5)

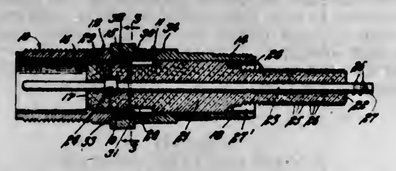


1. A cooling system comprising an anode of an electric tube having a fluid jacket sealed around the anode and a pump for circulating cooling fluid through said jacket, a radiator having in the lower portion thereof an inlet and an outlet connected in series circuit with said pump and said jacket, said system having a fluid level above said inlet and said outlet, and said radiator providing a confined vapor space above said level in which the pressure varies with the temperature to regulate the rate of condensation of fluid received from said jacket.

2,484,543
CARAMEL-FLAVORED STARCH POWDER
Arthur B. Baldwin, Berwyn, and William Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 26, 1948, Serial No. 40,792
8 Claims. (Cl. 99—139)

1. The method of preparing non-hygroscopic, free-flowing, caramel-flavored starch powder, which comprises, caramelizing sugar to the desired degree, rapidly cooling the resulting caramel below caramelization temperature by addition of water thereto, mixing the resulting caramel sirup solution with starch, drying the caramel-starch mixture, and comminuting the resulting dried mixture to a powder.

2,484,544
ELECTRICAL IGNITER
Clarence H. Bennett, Philadelphia, and Richard E. B. Wakefield, Aldan, Pa., assignors to Scias Corporation of America, a corporation of Pennsylvania
Application February 1, 1944, Serial No. 520,640
1 Claim. (Cl. 219—32)



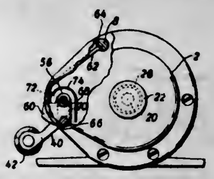
In an ignitor, the combination of an outer metallic shell, an inner refractory core snugly received in said shell, said core having a cylindrical portion projecting beyond said shell, said projecting portion being of a reduced diameter and having a helical groove formed on its outer surface and extending from the end thereof toward said shell, a resistance wire wound in said groove from a point adjacent to the end of said projecting portion to a point near the end of said shell, said wire and groove being of such relative sizes that the wire is entirely received in said groove whereby adjacent turns thereof are not exposed to each other, a terminal extending through said core, one end of said wire being attached to said shell and the other end thereof being attached to said terminal.

2,484,545
SHRINKAGE CONTROL OF CELLULOSIC FIBERS
Leo Beer, Providence, R. I., assignor to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island
No Drawing. Application January 18, 1947, Serial No. 722,955
11 Claims. (Cl. 8—116.4)

1. In the process of shrinkage control of textile materials, the steps of impregnating textile materials of the group consisting of natural cellulose, regenerated cellulose and mixtures with each other and up to substantially 50% of cellulose esters of organic acids, which textile materials are substantially free from starches, gums, and glues, with a dilute aqueous solution containing glyoxal and a substantially neutral, water-soluble alkali metal salt of an oxidizing acid from the group consisting of nitric, chloric and perchloric acids, removing surplus liquid from the textile material, drying without tension until most of the water has been removed and curing at a temperature above the drying temperature but not above substantially 150° C.

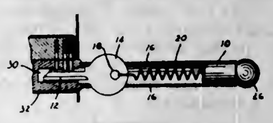
2,484,546
FISHING REEL
Bernard E. Berlinger, Elkins Park, Pa., assignor to Quaker City Gear Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 30, 1947, Serial No. 764,787
1 Claim. (Cl. 242—84.4)

A fishing reel comprising a frame, a spool mounted therein, and a level wind mechanism comprising a reversely threaded screw rotatable with said spool, a carrier having a cylindrical bore therein, a rod extending parallel to said screw and through said bore, a line guiding loop mounted on said carrier, a second rod extending parallel to said screw and provided with a longitudinal slot within which said loop slides, said



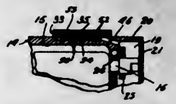
carrier having a second bore perpendicular to and intersecting the first mentioned bore, and a screw thread follower located in said second bore and held in the second bore by the first mentioned rod, said carrier being provided with an open groove receiving said screw, angular movement of the carrier about the first mentioned rod being limited by engagement of said loop in the slot in the second rod to prevent wear of the carrier by the screw.

2,484,547
SAFETY IGNITION KEY HOLDER
Edward C. Bishop, Kansas City, Mo.
Application September 25, 1946, Serial No. 699,151
1 Claim. (Cl. 70—456)



A keyholder construction comprising a slotted tubular casing, a key normally enclosed by said casing and projectable therefrom into operative position, said key having the head portion thereof extending through the slotted portion of the casing to prevent relative rotative movement of the key and casing, and means acting automatically on release of the key from its operative position to retract the same within the casing, said key having a pivotal connection with said retracting means to permit swinging of the key, when in its retracted position, into outward angularly projecting relation to said casing.

2,484,548
SILENT SUCTION MOTOR
Martin Bitzer, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 19, 1945, Serial No. 617,336
5 Claims. (Cl. 121—1)



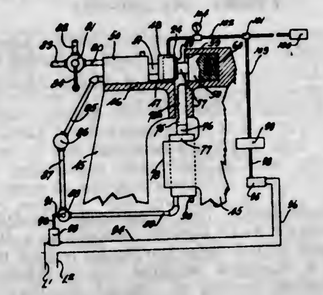
1. In a suction operated motor, a casing chamber, with an air inlet chamber communicating therewith, filter means disposed within said inlet chamber, and a plurality of spaced oppositely disposed sound dampening pockets forming an inlet channel connecting said inlet chamber to said valve chamber.

2,484,549
ELECTRON INJECTION APPARATUS
John P. Blewett, East Patchogue, N. Y., assignor to General Electric Company, a corporation of New York
Application July 30, 1947, Serial No. 764,833
5 Claims. (Cl. 250—27.5)



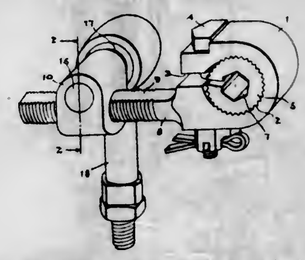
3. An electron injection apparatus which is adapted for application to an electron accelerator, said apparatus comprising the combination of a housing having an elongated opening, an elongated thermionic cathode in said housing, an electrostatic focusing shield whereby electrons emitted by said cathode are compressed into a restricted beam, said focusing device being oriented to direct said beam upon said housing adjacent said opening, an electrode adjacent said housing causing said beam to be attracted away from said housing and to emerge through said opening in a direction grazing said housing.

2,484,550
PROCESSING MACHINE
Bernard A. Brown and Hooper J. Houck, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 8, 1945, Serial No. 620,964
8 Claims. (Cl. 90—33)



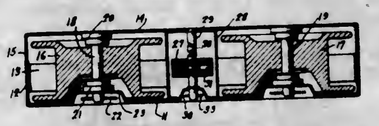
7. In a machine for processing a work piece, the combination with a processing tool for operating on said work piece; of a clamping fixture in which the work piece is nested to hold it in proper position relatively to the processing tool; a groove in said fixture, said groove being closed by the work piece when it is properly nested in the fixture; an actuating device operated by fluid pressure; a source of fluid pressure connected to both the groove in the fixture and the actuating device, said fluid pressure operating the actuating device only when the properly seated work piece closes the groove in the fixture; an actuator for the fixture to clamp the work piece therein; an actuator for the processing tool; a source of fluid pressure connected to both actuators; a valve normally closing the fluid pressure from the processing tool actuator; and means connected to the said actuating device and to the valve and operative by the actuating device to open the valve and render the actuator of the processing tool active.

2,484,551
ADJUSTABLE CONTROL LEVER
William H. D. Brouse, Toronto, Ontario, Canada, assignor to Teleflex Limited, Toronto, Ontario, Canada
Application May 25, 1945, Serial No. 595,793
3 Claims. (Cl. 74—522)



1. A threaded non-rotatable control lever arm adapted to be secured to a device to be controlled and formed with a flattened surface extending longitudinally thereof, a threaded adjustable collar rotatable on said arm, a bolt extending transversely through said collar and engaging in locking contact with said flattened surface to prevent rotation of said collar on said arm and to hold same in adjusted position on said arm, and an operating rod connected to said bolt through a swivel connection.

2,484,552
MAGAZINE FOR MAGNETIC RECORDING AND REPRODUCING DEVICES
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application July 17, 1944, Serial No. 545,306
8 Claims. (Cl. 179—100.2)

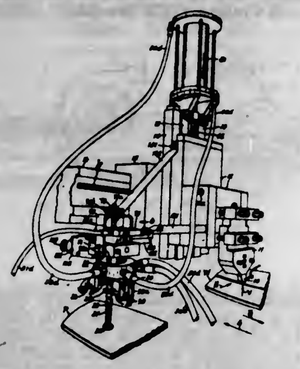


1. A readily removable and replaceable magazine for a magnetic recording device, including a closed casing, a pair of spaced rotary reels in said casing carrying a recording medium, a recording head in said casing, a level wind arrangement carrying said head and including the reciprocating mechanism completely within said casing, and a shaft extending without said casing from each of said reels for connection with drive mechanism when said magazine is mounted on a recording device.

2,484,553
DUPLICATING MACHINE
Howard Carson, Howard M. Geyer, and James W. Light, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 2, 1944, Serial No. 556,702
8 Claims. (Cl. 90—24.3)

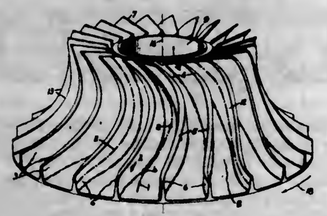
1. A duplicating mechanism comprising a tracer for engaging a model to be duplicated, a tool-holder for supporting a tool which operates upon the work, an hydraulic servo for positioning the tool-holder and comprising piston and cylinder members, one being stationary and the other being connected with the tool-holder, a valve for

controlling the admission of pressure fluid to the servo cylinder, said valve comprising a ported valve guide attached to the tool-holder and a port-controlling valve actuated by the tracer, fluid pressure operated means for urging the



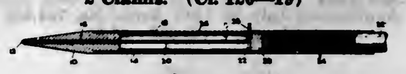
tracer against the model and means for limiting the rate of fluid pressure circulation with respect to said means in order to limit the rate of relative movement between the valve and the valve guide in order to dampen vibration of the tool-holder.

2,484,554
CENTRIFUGAL IMPELLER
Charles Concordia, Schenectady, N. Y., and Millard F. Dowell, Lynnfield, Mass., assignors to General Electric Company, a corporation of New York
Application December 20, 1945, Serial No. 636,133
6 Claims. (Cl. 230—134)



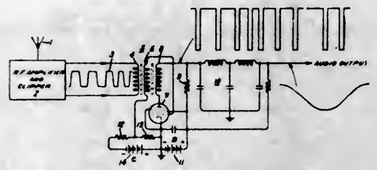
1. In a compressor impeller arranged to receive fluid with a substantially axial velocity adjacent the axis of rotation and to discharge it at a materially greater radius from the axis of rotation, walls defining a passage having a mean flow path consisting of a first portion forming 20 to 40 per cent of the length of the path nearest the axis of rotation and tipped forwardly in the direction of rotation to form an acute angle with the plane of rotation, a second portion forming 10 to 30 per cent of the length of the flow path most remote from the axis of rotation and sloped backwardly relative to the axis, and a portion intermediate the first and second portions forming the remainder of the flow path and sloped forwardly relative to the axis, said passage having a cross-sectional area which progressively decreases from the inlet of the first portion to a value of from 70 to 90 per cent of the inlet area at the juncture of the first portion with the intermediate portion.

2,484,555
MAGAZINE PENCIL
Millard F. Comstock, Buffalo, N. Y.
Application October 24, 1945, Serial No. 624,156
2 Claims. (Cl. 120—19)



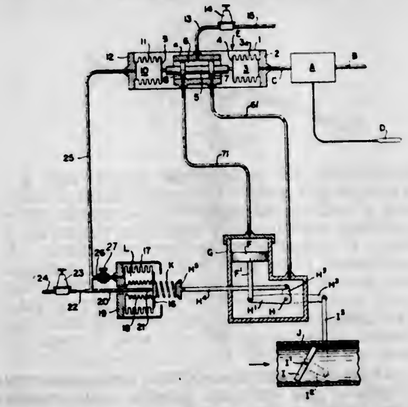
1. A pencil comprising a body having a bore to accommodate in sliding relation therein a pencil lead, a lead feed control rod slidably mounted at one of its ends within said body bore to press against said lead for lead feeding purposes, said control rod and said body bore being so relatively dimensioned as to permit longitudinal sliding of said rod relative to said body while being axially guided thereby, said rod being formed of resilient material and having its other end portion bent laterally and terminating in a head, said body having a detent disposed to engage said head whereby to latch said rod in a feed adjustment position relative to said body, said rod being adapted to be elastically deflected by pulling outwardly upon said head end to permit unlocking of said rod relative to said body for longitudinal adjustment thereof relative to said body for lead feeding purposes, the length of the laterally bent portion of said rod being such that the rod is always deflected against the wall of said bore.

2,484,556
DEMODULATOR FOR FREQUENCY MODULATED SIGNALS
Thomas G. Custin, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application November 12, 1946, Serial No. 709,337
1 Claim. (Cl. 250—27)



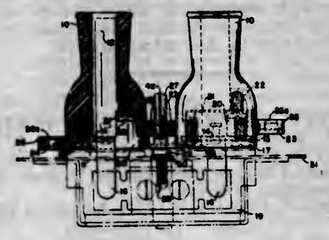
A demodulator for frequency modulated clipped carrier wave signals comprising a transformer, said transformer having an output winding and a feedback winding, an electron discharge device having a control electrode, an anode, a screen electrode and a cathode, a source of operating potential having a positive terminal and a negative terminal, the negative terminal being connected to said cathode, one end of said output winding being connected through an impedance to said positive terminal and the other end of said output winding being connected to anode, said feedback winding being connected in regenerative polarity at one end to said control electrode and at the other end through a control electrode leak resistor to said cathode, means to impress said signals on said control electrode to drive said device to anode current saturation in response to impression on said control electrode of the positive-going portion of each cycle of said signal thereby to produce current pulses in said anode circuit, a low pass filter connected between said one end of said ouput winding and a point at fixed potential with respect to one of said terminals thereby to integrate the pulses appearing across said impedance, said filter comprising means for passing desired demodulation products to an output terminal, and means to impress from said positive terminal a substantially constant positive potential on said screen electrode thereby to minimize the effect of voltages appearing in the input portion of said filter on the amplitude and duration of said anode current pulses.

2,484,557
AIR-OPERATED CONTROL APPARATUS WITH ANTIHUNTING COMPENSATION
Donald Preston Eckman, Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 11, 1947, Serial No. 773,398
4 Claims. (Cl. 121—41)



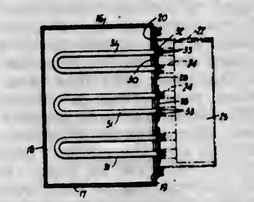
1. In a control system of the type comprising an air actuated power cylinder including a reciprocating piston, a pilot valve operable to connect a source of air under pressure to one end or the other of said cylinder on adjustment of said valve away from a neutral position in one direction or in the opposite direction, and operable when connecting either end of the cylinder to said source to connect the other end of the cylinder to exhaust, the combination of a first expansible chamber having a movable wall tending to move said valve member in said one direction on a pressure increase in said chamber, a second expansible chamber having a movable wall tending to move said valve member in said opposite direction on a pressure increase in said second chamber, means for maintaining a controlling air pressure in said first chamber varying in predetermined accordance with changes in a controlling condition, means operable to maintain an air pressure in said second chamber varying in accordance with the varying positions in said cylinder of said piston and comprising a third expansible chamber having a movable wall, a force transmitting connection including a spring between said piston and the last mentioned movable wall and moving the latter in the direction to contract said third chamber on a movement of said piston by an increase in the first chamber pressure, an air pressure regulator having a controlled air pressure space connected to and in free communication with said second chamber and connected to and in restricted communication with said third chamber, and means through which movements of the last mentioned movable wall which contract and expand said third chamber adjust said regulator to respectively increase and decrease the air pressure in said space.

2,484,558
ATTACHMENT PLUG
John H. Eisner, Auburn, N. Y.
Application October 25, 1947, Serial No. 782,122
9 Claims. (Cl. 173—361)



6. An electric attachment plug, for use, singly or in pairs, with a grounded duplex electric plug receptacle; said plug comprising a body member of insulating material, two spaced contact elements mounted in said body member and having blades adapted for engagement with terminal members of the receptacle to complete an electric circuit, a third spaced contact element and a metal ground pin cooperating therewith; said body member having two diametrically opposite rigid arms projecting radially from the center of the plug in such direction that one of said arms overlies the center of the receptacle when the plug is inserted therein, said arms being offset relatively to each other axially of the plug a distance such that the bottom of one arm is spaced from the top of the other; said third contact element having ground pin-engaging portions located in said projecting arms, each said portion being at a radial distance from the center of the plug half the center distance between plugs when two plugs are inserted in the receptacle; and said cooperating metal ground pin being constructed and arranged for automatic simultaneous connection, upon insertion of said plug in the plug receptacle, with a grounded portion of said receptacle and one of said portions of the third contact element.

2,484,559
IRRADIATING APPARATUS
George G. Ellner, Long Island, N. Y.
Application August 2, 1945, Serial No. 608,498
1 Claim. (Cl. 250—43)



An irradiating unit insertable into a duct having an opening, comprising a plate adapted to cover said opening, said plate having at least one elongated slot, a U-shaped irradiating tube fitting into said slot, a panel secured to the ends of said tube and adapted to cover said slot, each of said ends having a set of terminals extending through said panel, an electrical control for said tube, at least one pair of sockets on said control

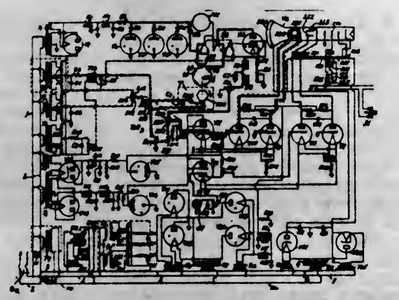
each engageable with a respective one of said sets of terminals, a housing fitting over said control, means including said housing for detachably securing said control to said plate with said sockets and terminal sets in electrical and mechanical engagement, and guide means on said housing and cooperating guide means on said plate for insuring correct positioning of said sockets relative to said terminal sets.

2,484,560

IGNITION TIMER TESTING APPARATUS

Floyd J. Foust, Olven W. Childress, Jr., and Rupert C. Wheichel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 3, 1948, Serial No. 30,946
4 Claims. (Cl. 175—183)



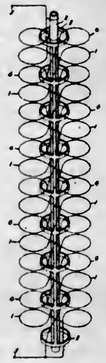
1. Apparatus for testing an ignition timer having a cam, a pair of contacts separated by the cam, a condenser in parallel with the contacts and speed responsive means for obtaining spark advance by advancing the cam angularly relative to the timer driving shaft as speed increases, comprising a thyratron, a voltage source for the thyratron plate, means for intermittently connecting the voltage source with the plate and comprising a non-conducting disc driven at the speed of the timer drive shaft and having equidistant conducting segments equal in number to the lobes of the timer cam, means for connecting the segments with a terminal of the voltage source and a brush engageable successively with the segments and connected with the thyratron plate, means for adjusting the timer housing to a position such that at the beginning of the spark advancing function, the timer contacts open just as a segment leaves the brush, a source of negative bias voltage connected with the thyratron grid and causing the thyratron to be non-conducting, means responsive to the opening of the timer contacts for so reducing "negatively" the thyratron grid bias that the thyratron becomes conducting in consequence of which the thyratron conducts current for successive periods increasing in duration as spark advance increases and the current waves passed by the thyratron increase in width, means for averaging the current flow, a resistance element subjected to the averaged current flow, a connection with the resistance element which receives a voltage signal which increases in magnitude as spark advance increases, signal amplifying means, a cathode ray oscilloscope, one pair of which plates receive the amplified voltage signal, means for impressing upon the other plates of the oscilloscope a voltage signal corresponding to speed of the timer drive shaft, said means comprising a D. C. generator rotating with the timer shaft, resistance-capacitance circuit connected with the generator for passing a voltage signal which increases in magnitude as generator output increases and means for amplifying said signal and passing it to said other pair of plates of the oscilloscope, and means for driving the generator, timer and disc at various speeds whereby the spark advance curve of the timer appears on the screen of the oscilloscope.

2,484,561

MODIFIED VARIOMETER

George W. Fyler, Lombard, Ill., assignor to General Electric Company, a corporation of New York

Application March 26, 1948, Serial No. 17,311
3 Claims. (Cl. 171—242)



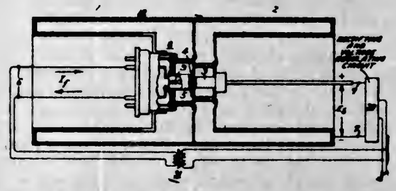
1. A variable inductance of the variometer type including a pair of coils movable with respect to each other, wherein each of said coils comprises a plurality of spaced turns so arranged that the individual turns of one of said coils interleave respective adjacent turns of the other of said coils and wherein each individual turn comprises a plurality of lobes oppositely disposed with respect to a common axis and lying substantially in the same plane, and means for varying the position of one of said coils with respect to the other to alter the mutual inductance therebetween.

2,484,562

COMPENSATED OSCILLATOR SYSTEM

Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 4, 1945, Serial No. 632,729
9 Claims. (Cl. 250—36)



6. In combination, an electron discharge oscillator having an anode and a heated cathode, means to supply voltage to said cathode to heat said cathode for operation, means to supply operating voltage between said anode and said cathode, said oscillator producing oscillations varying in frequency in accordance with both of said voltages, a single source supplying energizing voltage for said first mentioned means and said last mentioned means, and means to vary said anode voltage in accordance with the voltage value of said source, said variations being in amount and direction to maintain substantially constant the frequency of oscillation and having a time delay substantially equal to the effective thermionic time constant of said cathode.

2,484,563

HAIR CURLER

Lawrence J. Hall and May Ruth Hall, Middletown, N. Y., assignors to Damosel, Inc., a corporation of New York

Application June 25, 1946, Serial No. 679,093
1 Claim. (Cl. 132—42)



A hair curler comprising two parts each of which is made entirely of rubber, one of said parts being concavo-convex in cross section, a portion of its length providing a hair curling member and the remaining portion constituting a securing member, the second of said parts constituting a hair curling member, and having a loop formed integral with one end and engaged with the first part intermediate the ends of the latter so that the second part may be moved with respect to the concavo-convex part into an open position to enable the insertion of the ends of the hair between said second part and the concavo-convex part and also moved into a closed position to enable the hair to be curled about said second part and the concavo-convex part, said securing member engageable with said second part to retain the hair curled and also to retain the curler in place on the hair.

2,484,564

REVERSE CURRENT ELECTROMAGNETIC TRIP DEVICE

Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Original application November 2, 1944, Serial No. 561,539. Divided and this application December 13, 1945, Serial No. 634,791
1 Claim. (Cl. 175—339)



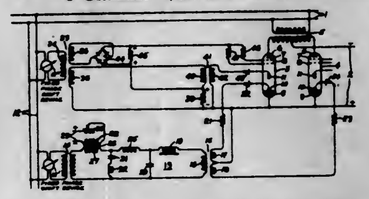
A reverse current responsive device of the flux-shifting type, having in combination a pair of spaced apart iron pole plates, each having a lateral projection from one end to provide a lateral offset pole face, a non-magnetic spacer plate interposed between said pole plates and secured thereto for maintaining said offset pole faces in parallel spaced apart alignment, a permanent horseshoe magnet having a non-magnetic mounting plate secured to one side thereof and to corresponding edges of said spacer and pole plates for axially aligning the magnet with the poles thereof in straddling flux-conducting engagement with the other ends of said pole plates, a horseshoe-shaped iron yoke aligned to straddle the said one end of said pole plates and having one end secured in overlapping flux-conducting engagement with one of said pole plates and the other end spaced apart from the other plate, a movable armature having pivotal mounting means adapted to be secured to said non-magnetic mounting plate to provide for movement of the armature into aligned engagement with said offset pole faces to be attracted by the flux conducted thereby, a current conductor interlinked with said iron yoke to shift the attracting flux from the armature in response to a predetermined reverse current in the conductor, and clamping means extending between the ends of the yoke for moving the other end of the yoke toward the other pole plate to provide an adjustable air gap for predetermining the value of the reverse current in the conductor required to shift the attracting flux from the armature.

2,484,565

ELECTRIC VALVE EXCITATION AND CONTROL CIRCUIT

Carl C. Herskind and Marvin J. Mulhern, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application December 30, 1948, Serial No. 68,278
9 Claims. (Cl. 315—246)



1. In combination, an electric discharge device of the type employing an enclosing envelope and comprising therein an ionizable medium, an anode, a cathode and a control electrode, means for initiating electron emission at said cathode, an auxiliary electrode within said envelope, an energizing circuit connected to said auxiliary electrode for establishing a path for electron emission from said cathode to said auxiliary electrode, an energizing circuit connected to said control electrode, means responsive to current flow in said auxiliary electrode circuit for producing a voltage variable in accordance with such current flow, and inductive coupling means interconnecting said auxiliary electrode circuit and the energizing circuit of said control electrode for impressing a voltage derived from said second-mentioned means upon said control electrode in dependence upon current flow in said auxiliary electrode circuit.

2,484,566

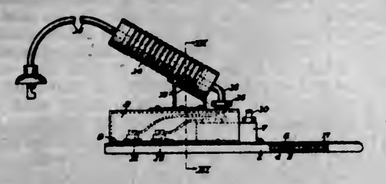
TAPE APPLYING IRON

Robert W. Hiller, Emsworth, and Walter L. Davidson, Bellevue, Pa., assignors to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 20, 1945, Serial No. 600,570
3 Claims. (Cl. 219—21)

1. A tape applying tool of the class described comprising an elongated narrow shoe having a flat bottom and vertical side edges, a top plate coextensive with the shoe, a cavity being formed

between the shoe and the cover, an electric heating element in the cavity which heating element extends throughout the greater portion of the length and width of the shoe, a casing on the top plate well back from the front end thereof, there



being a forward deck-like ironing surface at the top of the tool forwardly of the casing provided by the forward portion of the top plate, and a handle secured to said casing and extending rearwardly from near the mid portion of the iron, there also being a thermostat casing on the top plate at least partly within the housing.

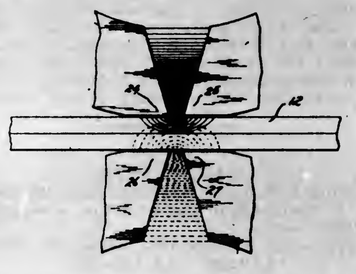
2,484,567
DIRECT-CURRENT MEASURING INSTRUMENT
Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York
Application March 2, 1948, Serial No. 12,585
5 Claims. (Cl. 171—95)



1. A direct-current electrical measuring instrument comprising a casing, a permanent magnet in said casing for producing a constant unidirectional field, a polarized armature pivoted within and subject to the influence of the field produced by said magnet, an energizing winding for said instrument for producing a field of fixed direction influencing said armature, said casing having its interior provided with two recesses sufficiently conforming to the contour of said magnet and angularly oriented with respect to each other as to provide two separate and distinct holding positions for said permanent magnet so that the flux thereof may cut the armature axis of rotation at two different angles differing from each other by at least 30 degrees when the magnet is positioned in the two different holding positions respectively.

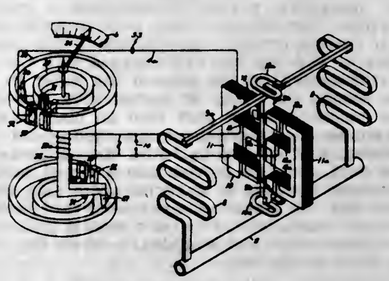
2,484,568
MAGNETIC RECORDER METHOD AND MEANS
Hugh A. Howell, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application October 18, 1946, Serial No. 704,035
3 Claims. (Cl. 179—100.2)

2. An electromagnetic transducing instrument comprising an elongated magnetic record member having a base portion of non-magnetic material and a coating of magnetic material on one side only of said base portion, and a pair of electromagnetic transducer heads, each having confronting pole pieces spaced along the length of said medium, electrically connected for joint operation and disposed on opposite sides of said record member, one in contact with said magnetic



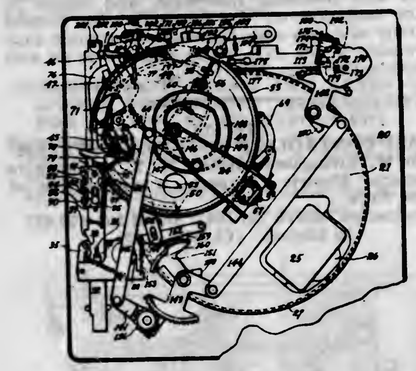
material only and the other in contact with said base portion only.

2,484,569
SELF-POSITIONING CIRCUIT BALANCING TELEMETER RECEIVER
Richard G. Jewell, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application December 15, 1948, Serial No. 65,312
3 Claims. (Cl. 318—24)



1. A telemetering receiver comprising a single phase transformer device having a core structure composed of stationary and rotatable magnetic parts, separated by air gaps across which the magnetizing flux of the transformer passes, the rotatable part having an elongated section extending along its axis of rotation and, at either end thereof, oppositely radially extending spider and oppositely axially extending pole portions, a stationary primary winding about the elongated axial section of said rotatable part, the stationary part of said core structure comprising a pair of C-shaped portions spaced apart substantially concentric with each other and with the axis of rotation of the rotary part, adjacent each end of said elongated axial section with the rotary pole piece portions at such ends extending freely into the spacing between such C-shaped portions, the openings in the C-shaped portions of one pair being on the opposite side of the axis of rotation of the openings in the other pair, and a secondary winding comprising distributed coils on each such C-shaped portion said coils being connected in series to produce a resultant secondary voltage which varies from a maximum in one phase direction to a maximum in the opposite phase direction as the rotary part is rotated from a position where its pole pieces are closely adjacent one side of said C-openings to a position where its pole pieces are closely adjacent the other side of said C-openings.

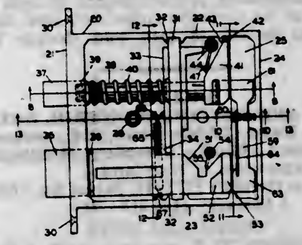
2,484,570
AUTOMATIC PHONOGRAPH
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 31, 1945, Serial No. 585,901
9 Claims. (Cl. 274—10)



9. In an automatic phonograph, in combination, a pair of record dropping escapement heads, inseparable means connecting them for simultaneous movement, operating means for said escapement heads, separable means connecting said operating means to one of the heads, said one of the heads being movable to effect the separation, whereby the separation may be effected and all the heads may be adjusted to any of a plurality of normal positions for supporting records of definite sizes by manual actuation of said one of the heads, a cam oscillatable with one of the heads, a displaceable member including a cam follower normally engageable by said cam, said cam having a plurality of effectually similar cam formations whereby similar cam and follower relations are established in any of the said plurality of normal positions of the heads, means on the head associated with said cam adapted to be engaged by a record on the head to clear the cam from the follower, a latch adapted to be released by said displaceable member, an arm movable to stop the phonograph, a swinging member, means for swinging the member after the escapement heads have been operated, a dog on said arm adapted to cooperate with the swinging member to swing the arm to stop the phonograph, said dog being normally held in inoperative position by said latch, means normally positioning said swinging member to prevent displacement of said displaceable member, operating means for moving the player arm out and in to initial playing position, a movable abutment adapted to be located in any of a plurality of positions corresponding to the said normal positions of the escapement heads, and cam means operatively connected to the heads for correspondingly locating said abutment means.

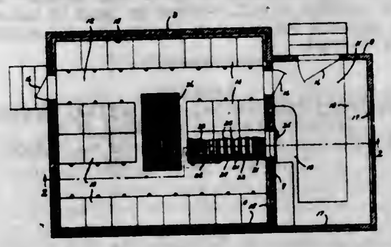
2,484,571
COMBINED DEAD BOLT AND LATCH BOLT LOCK
Ignacy Josefowicz, Kenosha, Wis.
Application April 19, 1946, Serial No. 663,456
2 Claims. (Cl. 70—107)

1. A lock assembly of the character described comprising in combination, a rectangular housing, a spring actuated latch bolt, an actuating means for slidably moving said latch bolt against the tension of said spring, a slidably supported lock bolt, both of said bolts encased within said housing and caused to project outward at one end thereof, a rotatable barrel provided with a pivoted extending member, said barrel supported by the walls of said housing and employed as an actuating means for slidably moving said latch bolt, a key, said key provided with a pivoted extending member, said key supported by said housing and employed as an actuating means for slidably moving said lock bolt, a sliding member supported



by and within said housing, said sliding member engaging a recess in said lock bolt, a resilient means for urging said sliding member into the recess in said lock bolt, the barrel employed as an operating means for said latch bolt being employed as a means for disengaging said sliding member from the recess in said lock bolt, and a pivoted lever supported by one of the walls of said enclosure, said pivoted member retaining said bolts in proper alignment to permit the synchronized action of said barrel and key for movement of said bolts.

2,484,572
FROZEN FOOD PLANT
Pearle T. Jude, Minneapolis, Minn., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 24, 1947, Serial No. 743,497
2 Claims. (Cl. 62—89)



1. A locker plant comprising in combination, a cold storage locker room, means for cooling said locker room to a temperature below freezing, a sharp freeze compartment within said cold storage locker room for receiving articles to be frozen prior to removal to lockers in said locker room, means for cooling said sharp freeze compartment to a temperature below the below freezing temperature of said locker room, a processing room adjacent said sharp freeze compartment wherein articles are prepared for freezing in said compartment and wherein a temperature above freezing is maintained, said sharp freeze compartment having a service doorway providing communication with said processing room for permitting a person to place articles prepared in said processing room into said compartment without being subjected substantially to the low

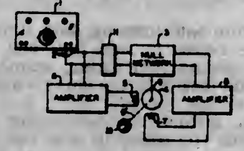
temperature therein, said sharp freeze compartment also having another service doorway spaced from said first service doorway and adapted to provide communication with said cold storage locker room, a conveyor device within said compartment bridging the space between said spaced apart service doorways for receiving and supporting articles placed into the compartment through said first named doorway and for conveying same into a position adjacent said another compartment service doorway, and said another service doorway permitting articles frozen in said compartment to be removed therefrom and directly placed into lockers in said cold storage locker room.

2,484,573

MOTION AND POSITION CONTROL DEVICE

Charles F. Keser, Middle River, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application October 16, 1946, Serial No. 703,524
5 Claims. (Cl. 318—28)



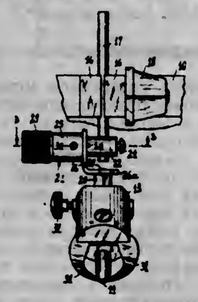
1. A frequency responsive positioning control device for controlling the position of a member including motor means to position said member, a control circuit for said motor including a null network having at least one variable circuit element to balance said network for any frequency, said motor being actuated by the voltage generated in the null points upon any unbalance of said network, said motor also being connected to vary said circuit element of said network to reestablish the balance thereof for any frequency voltage applied to said network, so that for any frequency voltage applied to the network the motor will be energized to move said member and said variable circuit element to tend to balance the network for the new frequency and position said member.

2,484,574

DIAMOND POLISHING ADJUSTING DEVICE

Marcel J. Leiman, Brooklyn, N. Y.

Application July 10, 1947, Serial No. 759,981
3 Claims. (Cl. 51—229)



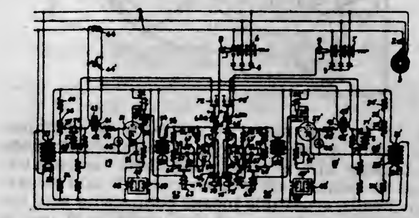
1. In a device for adjusting a diamond for the two angles required in the usual grinding thereof, said device having a dop into which the diamond is secured and a tong by the use of which the diamond is ground, said tong having a substantially vertical rigid stalk at the outer or grinding end of the tong, and means to upwardly and downwardly adjust said stalk in said tong, the combination, of a horizontal pin rotatable around said stalk, a sleeve rotatable on said pin, an angular plate having a vertical and a horizontal leg, the vertical leg thereof being secured on said sleeve and rotatable therewith, and means to secure said dop on the horizontal leg thereof whereby said dop with the diamond therein may be rotated in the axis of the stalk or on an axis perpendicular thereto.

2,484,575

PHASE CONTROLLED SWITCHING SYSTEM

Orrin W. Livingston, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application March 20, 1943, Serial No. 479,922
15 Claims. (Cl. 322—105)



1. In combination, an alternating current circuit, an electric device, switching means for controlling the operation of said device, an electronic relay comprising an electron tube provided with anode-cathode and control electrode circuits, means for energizing the respective circuits of said tube in accordance with two coexisting electrical quantities of said alternating current circuit, additional means for energizing said control electrode circuit so that said tube may be rendered conductive only at the same predetermined point in each successive half cycle of its anode-cathode voltage, means responsive to a plurality of different predetermined relations between said electrical quantities for rendering said tube conductive at the same predetermined point in each successive half cycle of anode-cathode voltage, and means operative in accordance with the conductivity of said tube for controlling said switching means.

10. In a system of distribution wherein switching means is interposed between an alternating current circuit and a plurality of electric devices to be selectively connected to and disconnected from the alternating current circuit, means for controlling said switching means comprising a plurality of control circuits and a rotatable switching member in said control circuits, a reversible servo-motor for operating said switching member and being provided with a forward excitation circuit for operating said switching member in a direction to close said control circuits and a reverse excitation circuit for operating said switching member in a direction to open said control circuits, a lagging quadrature current electronic relay operable in accordance with the lagging quadrature current of said alternating current circuit for causing energization of said forward excitation circuit when the component of lagging quadrature current of said alternating current circuit exceeds a predetermined value, time delay means interposed between said relay and said forward excitation circuit, a leading quadrature current electronic relay operable

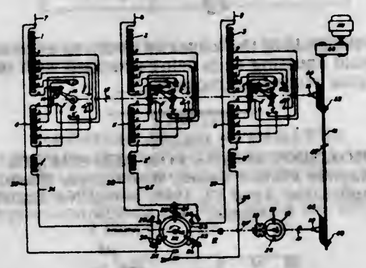
in accordance with the leading quadrature current of said alternating current circuit for causing energization of said reverse excitation circuit when the component of leading quadrature current of said alternating current circuit exceeds a predetermined value, and time delay means interposed between said leading current relay and said reverse excitation circuit.

2,484,576

INTERPHASE WINDING AND RATIO ADJUSTER SWITCHING ARRANGEMENT FOR POLYPHASE TRANSFORMERS

Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application March 28, 1946, Serial No. 657,694
7 Claims. (Cl. 323—43.5)



7. In an interphase winding and ratio adjuster sequential switch mechanism for an n phase transformer, a rotatable ratio adjuster switch for connection with each phase winding of the transformer and having a series of switching positions in each revolution thereof to provide a corresponding number of transformation ratios, an interphase winding switch comprising a rotor having n equiangularly spaced bridging contacts carried by said rotor, two n pairs of equiangularly spaced stationary cooperating contacts having one of each alternate pair of contacts electrically connected together and the other contacts each providing an interconnection terminal for the transformer windings, and means including a Geneva gear having two n teeth and a driver for operating said rotor intermittently to effect engagement of said bridging contacts alternately with said pairs of stationary contacts in triad in a recurrent continuity upon successive revolutions of said driver, and means for rotating said ratio adjuster switches and said driver at equiangular speeds in steps corresponding to the number of said transformation ratios and thereby provide a recurrent ratio adjuster and interphase winding switching sequence.

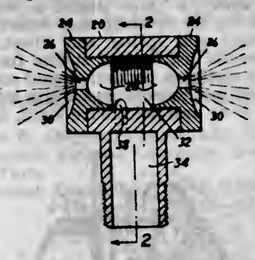
2,484,577

DOUBLE ORIFICE SOLID CONE SPRAY NOZZLE

Thomas W. Murphy, Narberth, Pa., assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa., a corporation of Delaware

Application March 29, 1945, Serial No. 585,438
3 Claims. (Cl. 299—114)

1. A nozzle for delivering two solid cone sprays having means for forming a swirl chamber which is circular in cross section, said swirl chamber having opposite end walls and an axially directed discharge orifice in each of said end walls, there being two passageways leading into the swirl chamber for delivering two jets of liquid to said swirl chamber, said passageways lying on opposite sides of a plane transverse to the axis of said



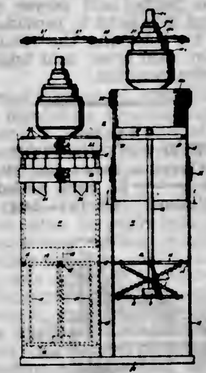
discharge orifices, being substantially tangent to the periphery of the swirl chamber, and being directed to discharge in opposite directions.

2,484,578

TUBE MOUNTING

Donald J. Nigg, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application July 5, 1947, Serial No. 759,275
4 Claims. (Cl. 250—27.5)



1. A mounting structure for an electron discharge device comprising a movable support on which said device is mounted, a fixed support, means interconnecting said supports for normally maintaining said device in a non-operating position and for moving said device axially into an operating position in response to rotation of said device and movable support, said means comprising a pair of structural members extending transversely of the axis of said device and rigidly secured to said respective supports and also comprising a link interconnecting said members, said link being arranged to cause relative axial movement of said members in response to said rotation, and means for adjustably clamping said supports together to retain said device in desired axial position.

2,484,579

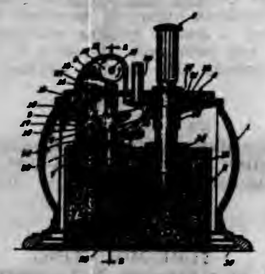
PYROPHORIC LIGHTER

Warren I. Nissen, Newark, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey

Application January 23, 1947, Serial No. 723,861
5 Claims. (Cl. 67—4.1)

5. Pyrophoric spark-producing mechanism comprising a supporting frame, an abradent

wheel rotatably mounted on said frame, a holder adapted to urge a piece of pyrophoric metal against said wheel, a three-legged power spring providing one leg for rotating said wheel, a drive train connecting said spring and wheel, a lever engaging a second leg of said spring for storing energy in said spring, a portion of said spring between said first and second legs being interposed between said lever and said drive train, a trigger



for controlling the release of said energy and engaged by the third leg of said spring, and a reciprocal plunger disposed for direct engagement with said lever for effecting the working stroke of said parts, said power spring being constructed and arranged to provide the sole restoring force for effecting the return stroke of said drive train, said lever, said trigger and said plunger to neutral position.

2,484,580
FEED DISTRIBUTOR
Glen Overton, Dowagiac, Mich.
Application December 11, 1944, Serial No. 567,752
2 Claims. (Cl. 137—164)



1. A feed distributor comprising a casing having an inlet and a plurality of outlets, a rotor having a passageway for selectively connecting the inlet with said outlets, a control plate interposed between said rotor and said outlets and having means for controlling flow from the rotor to the outlets, and float actuated means for selectively shifting said control plate in response to variable fluid levels.

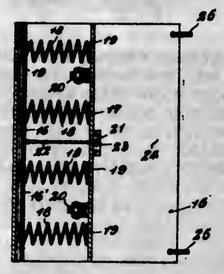
2,484,581
HINGE
Walter B. Palmen, Los Angeles, Calif.
Application October 11, 1944, Serial No. 558,205
1 Claim. (Cl. 16—171)

A hinge comprising a pair of flat plates of thin, resilient material, which plates, when disposed parallel with each other, are capable of being flexed away from each other, each plate being provided with a plurality of screw holes, a series of solid cylindrical knuckles formed integral with one edge of each plate, and disposed above same so that when the knuckles are longitudinally aligned their axes are disposed above the upper surfaces of said plates, the two sets of knuckles being staggered, the knuckles of one plate being positioned between the knuckles of the other plate



with the ends of the knuckles abutting each other and said abutting ends being provided with interengaging studs and recesses.

2,484,582
HOLDING MEANS FOR BED SHEETS
Magnus Plato Palsson, Wenatchee, Wash.
Application April 22, 1948, Serial No. 22,582
4 Claims. (Cl. 5—320)

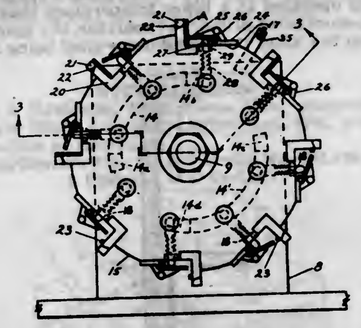


1. A holding device for bed sheets comprising a base board having an upright wall at one end, said base board having an extension for receiving and supporting one end of a mattress, a panel in advance of the upright wall and spring means between the upright wall and the panel for urging the panel into engagement with sheets disposed over the next adjacent end of a mattress.

2,484,583
ABRADING MACHINE
Augustus J. Paulson, Trevose, Pa.
Application November 27, 1945, Serial No. 631,027
4 Claims. (Cl. 51—134)

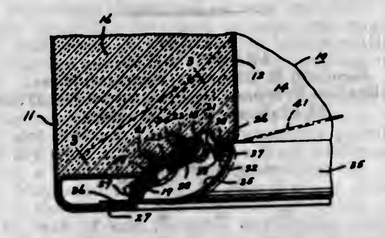
1. An abrading machine comprising a rotatable abrasive wheel in a rotatable work-holder positioned for moving work-pieces into engagement with a face of said wheel, said holder having a series of work-locator pins each extending substantially normal to a radius from an axis of rotation of said work-holder, and a clamp fulcrumed on an axis substantially parallel with said axis of rotation, said clamp having a body the length of which is substantially equal to the distance between its axis and the face of a work-piece on said holder, said body terminating in an end portion farthest from said axis with said end portion having a surface in a plane normal to the length of said body, said clamp being movable

into position about said axis so that the length of the body and the length of said locator pins are



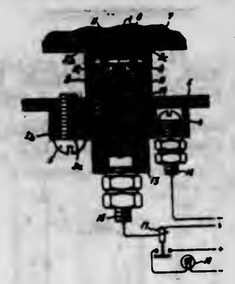
substantially parallel and the end surface engages the work-piece.

2,484,584
REFRIGERATING APPARATUS
Carl F. Petkwitz, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 21, 1946, Serial No. 656,080
2 Claims. (Cl. 220—9)



2. A cabinet provided with an access opening, said cabinet including inner and outer sheet metal wall members having spaced edges fixed relative to one another in the vicinity of the access opening, the metal adjacent the edge of said outer wall member being bent to provide a first shoulder and being further bent to form a groove adjacent said shoulder, the metal adjacent the edge of said inner wall member also being bent to provide a second shoulder, a trim strip of curved cross-section having its one edge portion fitting in said groove and abutting said first shoulder, a portion of said trim strip adjacent its other edge abutting said second shoulder and having its said other edge directed away from said second shoulder to provide a hook, a spring clip mounted on said cabinet beneath said trim strip and having an end cooperating with said strip, said spring clip being provided with a catch portion adjacent its said end and having a bent part spaced from said catch portion, that part of said spring clip intermediate said catch portion and said bent part bearing against said hook edge of said trim strip to lock the strip upon said cabinet, said trim strip being sufficiently resilient to permit a flat-like member to flex same upon inserting the flexing member between said second shoulder and that part of said strip abutting same, and said bent part of said spring clip extending toward said second shoulder and being disposed substantially in the path of insertion of said flexing member so as to be engageable thereby while said strip is flexed for moving said spring clip to release its said catch portion from said hook edge of said trim strip for unlocking the strip from said cabinet.

2,484,585
THERMAL RESPONSIVE RESISTANCE DEVICE
Frederic R. Quinn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 2, 1948, Serial No. 63,028
4 Claims. (Cl. 201—63)

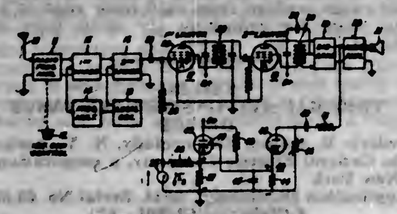


3. A thermal responsive resistance device comprising, an insulating housing having an apertured wall and a first and second electrical terminal connector mounted on said housing, a thermal and electrical conducting member having a recess therein, said member being slidably mounted in said housing with a thermal contact portion protruding through said aperture, electrically conducting spring means within said housing resting between said first terminal connector and said member to force said member through said aperture and electrically connect said member to said first connector, means for limiting the outward movement of said member through said aperture, a thermal responsive resistance element having a first and a second substantially parallel face each coated with a low resistance electrically conducting substance, said element being disposed within said recess so that electrical contact is made between said first coated face and the walls of said recess and the remainder of said element is spaced apart from said recess walls, a body of thermally conducting electrically insulating bonding material filling said space between said recess walls and said element firmly to retain said element in position without strain on said coated surfaces, and electrical conducting means insulated from said spring means for passing an electric current from said second terminal connector to said second coated face.

2,484,586
FREQUENCY-MODULATION MONITORING
Charles L. Race, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1946, Serial No. 700,153
9 Claims. (Cl. 332—20)

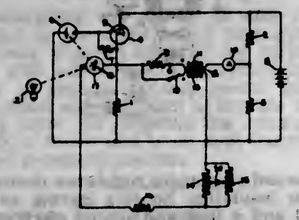
1. The method of monitoring a frequency modulation carrier signal which comprises the steps of developing a first unidirectional potential dependent upon the average amplitude of said signal, developing a second unidirectional potential

proportional to the degree of frequency modulation of said signal, measuring the difference be-



tween said potentials and indicating said difference.

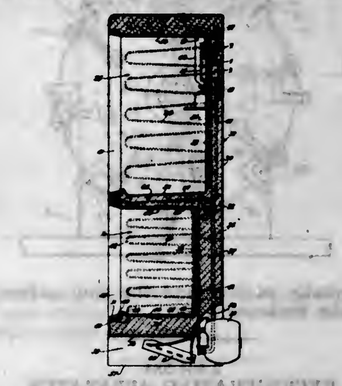
2,484,587
FLUXMETER
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of Delaware
Application September 4, 1948, Serial No. 47,853
8 Claims. (Cl. 175—183)



1. A fluxmeter comprising a bridge circuit including as a variable impedance in one of its arms a vacuum tube having a control electrode, means to apply energizing voltage to said bridge circuit, means including a phototube to vary the potential of said control electrode responsive to changes in illumination of such phototube, a mutual inductor having a primary and a secondary, an ammeter and a resistor connected in series with the mutual inductor primary across the output of said bridge circuit, a circuit loop including a galvanometer, a search coil, and the secondary of said mutual inductor connected in series, switching means to selectively include or not include said resistor in said circuit loop, and means to illuminate said photocell by an amount which varies with the position of the moving element of said galvanometer.

2,484,588
REFRIGERATING APPARATUS HAVING A FREEZING CHAMBER AND A STORAGE CHAMBER
William E. Richard, Evansville, Ind., assignor to Seeger Refrigerator Company, a corporation of Minnesota
Application February 14, 1947, Serial No. 728,491
14 Claims. (Cl. 62—103)

1. In a refrigerator, the combination of a cabinet provided with an outer shell and a pair of inner liners carried by said outer shell and insulated from the outer shell by means of suitable insulation, the said liners forming a freezing chamber and a food storage chamber, a primary evaporator in heat conducting relation with the liner of said freezing chamber, a secondary system including a secondary evaporator in heat conducting contact with the liner of said storage chamber, said secondary system including a condenser chamber, a second primary evaporator located inside said outer shell and in heat conducting engagement with said condenser of said secondary system, said second primary evaporator being operated at a lower temperature than said first-mentioned primary evaporator, the space between the inner liners and outer shell being in air



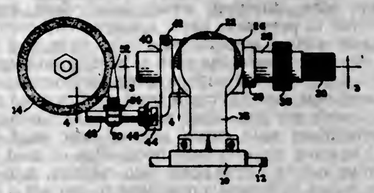
communication with each other through predetermined leakage points connecting said spaces, so that the second primary evaporator is adapted to effect a predetermined dehydration of the insulation and of the liner of said freezing compartment.

2,484,589
ARROW NOCK
Kenneth D. Richards, Gardner, Mass.
Application February 10, 1945, Serial No. 577,237
13 Claims. (Cl. 273—106.5)



1. An arrow nock having lateral depressions for accommodating the fingers, said depressions forming therebetween a substantially reduced finger grip portion, and a projection between the depressions alined with the cock feather, said projection being in a position to be engaged manually when the arrow is ready to be projected.

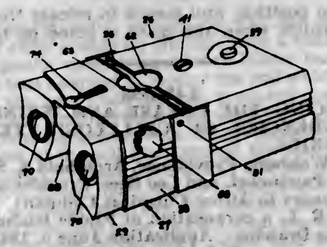
2,484,590
UNIVERSAL END MILL GRINDING FIXTURE
Leopold A. Rocheleau, Leominster, Mass.
Application March 15, 1948, Serial No. 14,963
7 Claims. (Cl. 51—225)



2. A device of the class described comprising a a base, a standard, means to swivel the standard on the base on a vertical axis, a sleeve swiveled on the standard on a horizontal axis, a tool holder slidably and rotatably mounted in the sleeve, a ring rotatably adjustable on the sleeve at either

end thereof, and a guide finger for the tool adjustably mounted on the ring and movable in all adjustments therewith, said guide finger being adjustable about the axis of said sleeve.

2,484,591
STEREOSCOPE
Seton I. Rochwite, Wauwatosa, Wis., assignor to David White Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 8, 1945, Serial No. 592,539
3 Claims. (Cl. 88—29)



1. A stereoscope of the character described to be used in combination with a transparent stereogram, said stereoscope comprising in combination a focusing mechanism consisting of a body portion and an eye piece, a pair of lenses, a pair of lens mountings supported by said eye piece, inwardly extending members on said lens mountings, said lenses attached to said lens mountings by retaining means, an enclosure consisting of a body, a cover for said body, said enclosure attached to and spaced rearwardly from said focusing mechanism in a manner to provide a vertical slot between them, said enclosure provided with dry cells, a lamp socket, a lamp within said socket, a contact switch for controlling the current from said dry cells to said lamp, a sealing wall at the front of said enclosure, a sealing wall at the back of said focusing mechanism body, a pair of apertures within said walls registering with the films mounted on said stereogram, recessed portions within the upper face of said enclosure and focusing body to permit access to the stereogram disposed within said vertical slot, means to provide interocular adjustment of said lens mountings, said means consisting of a vertical shaft, a pair of beveled gears, said gears disposed for engagement with the inwardly extending members on said lens mountings, a horizontal shaft within the body of said focusing mechanism, gears mounted on said shafts, gear racks mounted on the inside of said eye piece, and a revolving member on the outside of said focusing mechanism body for rotating said shaft thereby telescopically moving the eye piece of said focusing mechanism within said body.

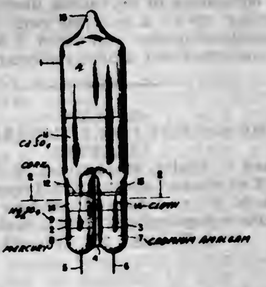
2,484,592
ADJUSTABLE ACCELERATOR PEDAL
Houston B. Redd, Trona, Calif.
Application October 8, 1946, Serial No. 701,881
19 Claims. (Cl. 74—513)

1. A vehicle accelerator pedal comprising two parts hingedly connected together, one of said parts constituting a tread and the other part being operatively connected to the vehicle throttle operating shaft; and foot actuated means operatively associated with said parts and movable in a plane including the axis of said hinge connection to move said parts to various predetermined angular positions relative to each other, said foot actuated means comprising a lever piv-



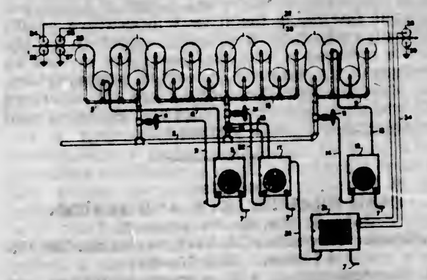
otally associated with said parts, a wedge carried by said lever and a pair of ramps associated one with each of said parts engageable by said wedge.

2,484,593
STANDARD CELL CONSTRUCTION
Frederick W. Side, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 15, 1946, Serial No. 690,792
5 Claims. (Cl. 136—88)



1. A standard cell consisting of a closed tubular body formed at its lower end with a pair of tubular legs, said legs being joined with a heat-conducting flange, and an electrode inserted in each leg.

2,484,594
MOISTURE RESPONSIVE SYSTEM
Charles B. Spangenberg, Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 15, 1946, Serial No. 703,810
9 Claims. (Cl. 34—48)



1. For use in a drying machine having a plurality of drying drums and means to supply a heating medium to the drums, the combination of means to regulate the supply of drying me-

dium, means responsive to the moisture content of the material being dried as it enters the machine, means responsive to the moisture content of the material as it leaves the machine, and means jointly responsive to said last two mentioned means to adjust said means to regulate the supply of drying medium.

2,484,595

SYNTHETIC ELASTIC AND ELASTOMERIC PRODUCTS

Murray M. Sprung, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application January 16, 1947, Serial No. 722,457
12 Claims. (Cl. 260—37)

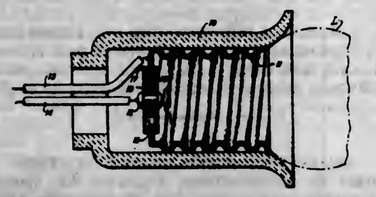
1. A heat-curable synthetic elastic product containing as an elastic element thereof a solid, elastic, curable methyl- and phenylpolysiloxane consisting of methyl radicals, phenyl radicals, and silicon and oxygen atoms, and containing an average of from 1.98 to 2.00 total methyl and phenyl radicals per silicon atom, said solid polysiloxane having been obtained by condensing a liquid consisting of polymeric dimethyldisiloxane containing up to 2 mol per cent copolymerized monomethylsiloxane and from 3 to 30 mol per cent copolymerized diphenylsiloxane.

2,484,596

LAMP SOCKET FOR SERIES LIGHTING CIRCUITS

Maynard C. Waltz, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 27, 1947, Serial No. 776,607
3 Claims. (Cl. 201—49)



1. A lamp socket comprising an electrically conductive shell having two open ends, the opening in one of said ends being smaller than the opening in the other of said ends, a disc of resistance material having a negative temperature coefficient of resistance inalterably secured in the smaller opening of said shell, said disc having an aperture at its center, a contact in said aperture, and separate metallic coatings on the aperture wall and periphery of said disc and engaging said contact and said shell respectively.

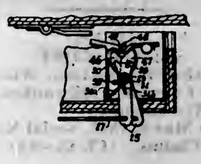
2,484,597

CASH DRAWER LOCK AND ALARM

John F. Wegele, Paterson, N. J.

Application November 28, 1947, Serial No. 788,475
4 Claims. (Cl. 70—88)

1. In combination with a movable drawer and a support having a stop member fixed thereto, a kick-plate on the drawer, cam means having a high point and with the high point disposed prior to the point of contact with the plate, manual means to move the cam and advance the high point into contact to lift the plate, an alarm mechanism, means to hold the alarm mechanism in inoperative condition when the plate is in



normal position, and means to release the alarm mechanism when the plate is lifted by the said cam.

2,484,598

REDUCING THE CREASE AND WRINKLING TENDENCIES OF CELLULOSIC TEXTILE FABRICS

Mark Weisberg, Providence, Archibald S. Stevenson, Pawtucket, and Leo Beer, Providence, R. I., assignors to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island

No Drawing. Application June 5, 1945, Serial No. 597,714
12 Claims. (Cl. 117—139.4)

1. In the process of treating cellulosic textile fabric to reduce its tendencies toward creasing and wrinkling but without impairing its tensile strength and abrasion resistance, the steps of impregnating the textile fabric of cellulosic nature with an aqueous solution of a water-soluble precondensate of a member of the group consisting of urea-formaldehyde, melamine-formaldehyde type resins in the absence of an acidic catalyst, mechanically removing surplus liquid from the fabric, drying it, thereafter exposing the said impregnated textile fabric to steam in an atmosphere consisting of an excess of steam-volatile organic acid at a temperature in the range of 212°–substantially 220° F. for a period not to exceed substantially 8 minutes, until the precondensate has become water-insoluble, and wherein the amount of the precondensate employed is over 100 grams but not over 300 grams of a 90–100% resin per liter calculated upon a 100% pick-up based on the dry weight of the goods.

2,484,599

PROCESS OF REDUCING THE SHRINKAGE AND FELTING TENDENCIES OF PROTEIN TEXTILE MATERIALS

Mark Weisberg, Providence, Archibald S. Stevenson, Pawtucket, and Leo Beer, Providence, R. I., assignors to Alrose Chemical Company, Cranston, R. I., a corporation of Rhode Island

No Drawing. Application June 6, 1945, Serial No. 597,954
8 Claims. (Cl. 117—141)

1. In the process of reducing the shrinkage and felting tendencies of a protein textile material, the steps of impregnating a protein textile material with an aqueous solution of a water-soluble pre-condensate of the group consisting of urea-formaldehyde, melamine-formaldehyde and their ethers in the absence of an acidic catalyst, mechanically removing surplus liquid from the material, drying it, thereafter exposing the impregnated textile material to steam in an atmosphere consisting of steam-volatile organic acid at a temperature in the range of 212°–substantially 220° F. for a period of substantially 5 to 8 minutes inclusive until the condensate has become water-insoluble.

2,484,600

APPARATUS FOR COVERING ELECTRICAL COILS

George L. Weiser, Middletown, and Don E. Key, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 29, 1948, Serial No. 57,216
8 Claims. (Cl. 154—41)



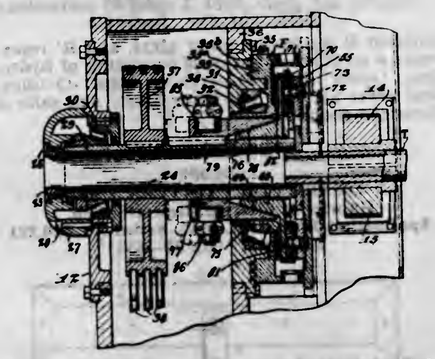
1. A machine for covering a flat coil with a piece of cloth coated on one side with a heat softenable plastic comprising a work holder having a central boss adapted to receive the coil which surrounds the boss when the coil is seated upon the work holder and having ribs spaced from the boss and extending respectively along opposite outer side edges of the coil when seated, the cloth being placed upon the boss with coated side up and the coil being placed upon the cloth and seated upon the work holder whereby the central portion of the cloth is caused to be located upon the top surface of the boss of the work holder and between the side surfaces of the boss and the inner surface of the coil and whereby the portions of the cloth which extend from its central portion are located between the bottom of the coil and the work holder and between outer side edges of the coil and the adjacent ribs of the work holder, the unconfined portions of the cloth providing flaps extending from the ribs of the work holder, means for folding the flaps successively upon the coil and upon the cloth portions overlying the boss, and means for applying heat to the cloth portions extending beyond the outer end edges of the coil and to the cloth portion overlying the boss in order to effect adherence of said cloth portions.

2,484,601

TUBE CLAMPING AND SEVERING MACHINE

Nelson D. Abbey, Toledo, Ohio

Application August 4, 1945, Serial No. 608,885
2 Claims. (Cl. 164—60)



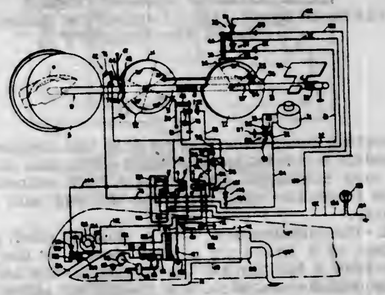
1. In a machine of the class described, tube severing mechanism comprising a rotating head, tube cutting tools on said head for movement therewith, a carrier for said tools on said head enabling approximately radial movement thereof to and from cutting operation, cooperable cam means including a part concentric with and movable axially of said head for causing working movement of said tools, spring means for imparting retracting movement to said tools upon completion of the cutting operation, and fluid pressure means for positively actuating said concentric part in such manner that the tools are advanced rapidly to the tube to be cut and then moved slowly throughout the cutting operation.

2,484,602

COMBUSTION HEATING APPARATUS AND CONTROLS THEREFOR

Fred B. Aubert, Grosse Pointe, Mich.

Application July 26, 1943, Serial No. 496,099
21 Claims. (Cl. 158—28)



7. A heating apparatus comprising a combustion chamber, means including a blower for supplying air under pressure to said chamber, electrically controlled means to supply fuel at different rates of flow to said chamber, a circuit for said electrically controlled means, electrical ignition means for the fuel supplied to said chamber, a circuit for said ignition means, a relay switch having its coil in circuit with said ignition means, a switch controlling the circuit of said coil, means responsive to an increased pressure of the air supplied to said chamber, means operated by said responsive means and controlling said electrically controlled means to increase the rate of fuel supply to said chamber, switch means controlling the energization of said first-named circuit, and electrically operated means for maintaining closure of said switch means and including a circuit controlled by said relay switch.

2,484,603

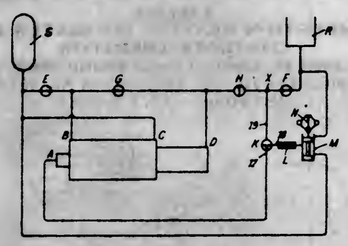
HYDRAULIC CONTROL DEVICE

Pierre Audemar, La Garenne-Colombes, and Camille Duchaussoy, Paris, France, assignors to Olaer Patent Cy, Luxembourg (Duchy of Luxembourg), a company of Luxemburg, and Compagnie Generale Pour l'Equipement Aeronautique, Paris, France, a company of France

Application September 18, 1945, Serial No. 617,078
In France July 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 11, 1964
5 Claims. (Cl. 170—160.19)

4. A hydraulic control device comprising in combination a motor unit in the form of a jack including a cylinder, a main piston and two auxiliary piston members slidably mounted in said cylinder adapted to form therewith four chambers, the successive filling of which with liquid corresponds to different positions of said main piston, a source of liquid under pressure, a discharge, a pipe between said source and said discharge, four conduits extending between said chambers and four distinct points of said pipe, each conduit connecting one chamber to one corresponding point, four valves mounted on said pipe, three of them each between a pair of said

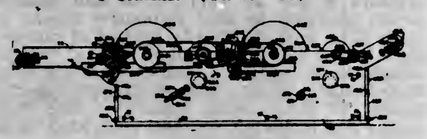
four points and the fourth between said discharge and that of said four points which is the nearest to said discharge, means for operating said valves so as always to have one of them closed and the three others open, a three-way valve inserted in the circuit leading to the third of said points, a conduit starting from said three-way valve, dis-



tributing means for placing said last mentioned conduit in communication with either said source or said discharge, and a rod rigidly connecting said three-way valve with the third of said four valves.

5. The combination with a variable pitch propeller, of a hydraulic control device as claimed in claim 1 for moving the blades to any one of four definite positions, and means for automatically adjusting the position occupied by the blades between at least two of said definite positions.

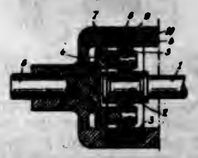
2,484,604
MACHINE FOR PROCESSING WASTE FIBERS
Charlie W. Barnes, Gastonia, and John W. Cole, Charlotte, N. C., assignors to Gastonia Textile Machinery Company, Inc., Gastonia, N. C., a corporation of North Carolina
Application March 31, 1948, Serial No. 18,244
9 Claims. (Cl. 19—88)



9. In a waste machine having beater means for shredding waste fibre material, a compartment disposed below and communicating with said beater, an endless conveyor forming a movable bottom for said compartment, and a cylindrical rotatable screen forming the rear wall of said compartment and slightly spaced from said conveyor, said compartment otherwise being substantially air tight to channel air currents from said beater to said screen, an imperforate cover for said screen, a second cylindrical screen disposed rearwardly of the first-named screen and contacting the endless conveyor and having its upper portion exposed to outside atmosphere to allow escape of air from the compartment therethrough.

2,484,605
EPICYCLOIDAL TRAIN OF FRICTION MECHANISM
Jacques Boucher, Paris, France, assignor to Compagnie De Pont A Mousson, Nancy, France
Application July 18, 1946, Serial No. 684,478
In France May 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 10, 1963
3 Claims. (Cl. 74—798)

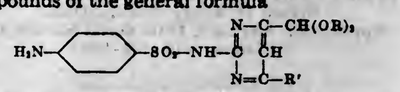
1. A friction epicycloidal train comprising in combination a central member provided with a continuous cylindrical sun surface, a first carrier member in coaxial alignment with said central member, a second carrying member surrounding said central member and first carrying member, one of said three members being a driving member whereas another is driven and the third member is immovable, several planet rollers carried by said first carrier member and in friction contact with said cylindrical sun surface around which they are placed, and two end-



less coaxial rings located in a coaxial recess of the second carrier member, the outer of said rings being the thicker and possessing a great resilience, whereas the inner ring, which constitutes an orbit friction ring, fits exactly in said outer ring, and is as thin as possible, possesses great hardness and has an inner continuous cylindrical surface, the diameter of said surface being less than the diameter of the circumscribed circle passing by the exterior of said planet wheels.

2,484,606
2 - SULFANILAMIDO - PYRIMIDINES HAVING AN ACETAL SUBSTITUENT IN THE PYRIMIDINE NUCLEUS
William Braker, Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application May 20, 1944, Serial No. 536,599
7 Claims. (Cl. 260—239.6)

1. A compound of the group consisting of: compounds of the general formula



wherein R represents lower alkyl, and R' represents a member of the class consisting of hydrogen, (lower alkyl)-O-, (lower alkyl)-O-(divalent lower alkyl)-, and lower alkyl; and salts of these compounds.

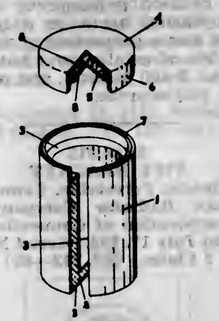
2,484,607
GUARD FOR PAINTERS' USE
Gabriel A. Cherem, Detroit, Mich.
Application January 4, 1947, Serial No. 720,221
2 Claims. (Cl. 91—65)



1. A shield for use in painting the inner edge of a glazed sash comprising a body of comparatively thin sheet material rectangular in form and having side and end flanges at an angle less than a right angle to the said body portion, the side and end flanges each being of greater width

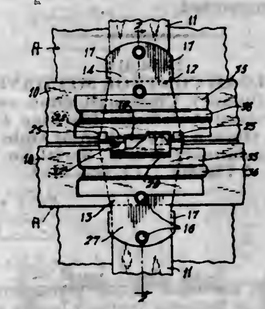
at the point of junction than the width thereof between said points, whereby in use of the shield, the edge of the flange is spaced from the sash.

2,484,608
LIGHTWEIGHT CONTAINER
La Verne E. Cheyney and Robert J. McCutcheon, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application November 30, 1945, Serial No. 631,864
1 Claim. (Cl. 229—14)



A container consisting entirely of insulation and rubber hydrochloride film, the container being cylindrical with a continuous layer of insulation in the side and bottom walls of the body thereof and having a plug-type insulated closure, the insulation of said body and closure being about ½ inch thick with a weight insulation factor no greater than 0.50 and being expanded urea-formaldehyde resin of such shape as to give form to the body and cover of the container, said insulation being enclosed in rubber hydrochloride film, the inner volume of the container ranging between a pint and a gallon.

2,484,609
HINGE FOR OVERHEAD DOORS
Henry B. Clark, Elizabeth, N. J.
Application October 6, 1944, Serial No. 557,394
2 Claims. (Cl. 160—235)



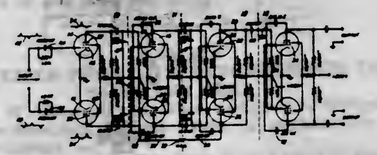
1. The combination of two panels, each having an edge adjacent to an edge of the other, a reenforcing bar to extend along one side of each panel adjacent said edge thereof, and a hinge for connecting said panels comprising two plates having cooperating tubular portions forming hinge knuckles for pivotally connecting said plates, one of said plates having a projection at its edge to be underlaid by one edge of one of said reenforcing bars and said tubular portion of the other plate being formed to overlie one edge of the other reenforcing bar, said plates having holes in spaced relation to said projection and said tubular portion respectively, and headed screws passing through said holes into the respective said plates with their heads overlying the other edges of the respective reenforcing bars whereby to fasten both said hinge plates and said reenforcing bars to said panels.

2,484,610
DOUBLE CUTTER HAIR CLIPPER
Joseph Cromonic, Brooklyn, N. Y.
Application September 25, 1945, Serial No. 618,512
9 Claims. (Cl. 30—223)



5. A hair clipper comprising a body, a hood on said body, a vibrator in said hood, a latch part in said hood secured to said body, and a cutting mechanism having a latch part for coacting with said body latch part to removably secure said cutting mechanism to said body, said mechanism latch part including a strip traversing said cutting mechanism, a support plate secured to said mechanism latch part and having a groove, a comb blade pivotally connected to said support plate, and a cutting blade slidable in said groove and resting on the top of said comb blade, said cutting blade having a part coacting with said vibrator for reciprocation of said cutting blade relative to said comb blade, said comb blade having, along two opposite edges, rows of teeth, one row of teeth having more teeth than the other row, said strip having end flanges overlapping the side walls of said body, said strip at opposite ends having upstanding tabs for engaging oppositely located side surfaces at the exterior of said hood when said two latch parts are coupled.

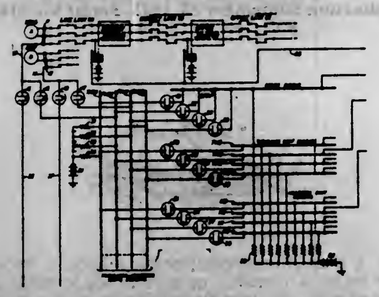
2,484,611
FREQUENCY DIVIDER
Kingsbury H. Davis, Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1946, Serial No. 717,111
12 Claims. (Cl. 250—36)



1. An alternating wave generator comprising a plurality of periodic devices, each of said devices comprising an oscillator having input and output connections and a natural free-running period of oscillation, a conductive path including a series capacitive impedance interconnecting at least one output connection of a preceding oscillator and one input connection of the succeeding oscillator, and means responsive to the operation

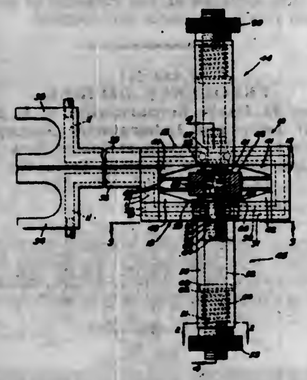
of said succeeding oscillator for changing the natural free-running period of oscillation of said preceding oscillator.

2,484,612
DIRECTORY NUMBER CALLING LINE IDENTIFIER
Joseph W. Dehn, Great Neck, and William H. T. Holden, Woodside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1946, Serial No. 670,358
20 Claims. (Cl. 179—18)



1. In a signaling system, a line having an identifying designation, conductors indicative of said designation, means for applying a unidirectional impulse to said line, means for directing said impulse to said conductors, and means for utilizing the change in the magnitude of said impulse on each of said conductors to register the designation of said line.

2,484,613
HIGH-FREQUENCY INDUCTION HEATING APPARATUS
Rocco J. Detuno, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1945, Serial No. 603,685
5 Claims. (Cl. 219—47)



1. A high frequency heating apparatus comprising a single-turn coil having apertures in opposite sides of the coil, clamping members made of heat resistant insulating material extending through said apertures and engageable with work to be heated, means for resiliently urging said clamping members into said coil to hold and support the work, and means for withdrawing said members to release the work.

2,484,614
METHOD OF RECOVERING CYCLIZED SYNTHETIC POLYISOPRENE
James D. D'Ianni, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application December 3, 1945, Serial No. 632,601
2 Claims. (Cl. 260—94.7)

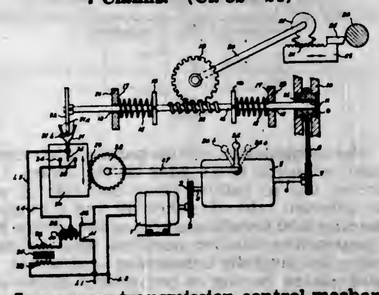
1. In the method of precipitating cyclized synthetic polyisoprene having a softening point above about 45° C. from solution, the steps of adding the cyclized polyisoprene solution containing a cyclizing agent to a quench liquid comprising a major proportion of water, between about 1 to 5% of gelatin, and having a pH of between about 1 and about 3, and recovering the precipitated polyisoprene.

2,484,615
PIPE BRACKET
Bernard I. Downs, Forestville, Conn., assignor to The Vulcan Radiator Company, Hartford, Conn., a corporation of Connecticut
Application July 17, 1947, Serial No. 761,709
1 Claim. (Cl. 248—65)



A hanger of the character described constructed from a strip of sheet material of uniform width and comprising a body portion and a mounting portion, the mounting portion being bent on a line forming an obtuse angle to one longitudinal side of the body portion and the body portion extending outwardly and upwardly from the mounting portion in a plane at right angles to the mounting portion and terminating in an arcuate knife-edge like seat for receiving a device to be supported.

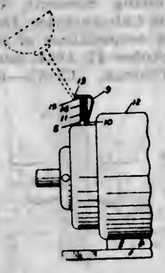
2,484,616
OVERLOAD CONTROL MECHANISM
William B. Dulaney, Cincinnati, Ohio, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio, a corporation of Ohio
Application January 3, 1947, Serial No. 720,111
7 Claims. (Cl. 82—24)



1. In a power transmission control mechanism, a source of power, a variable speed transmission

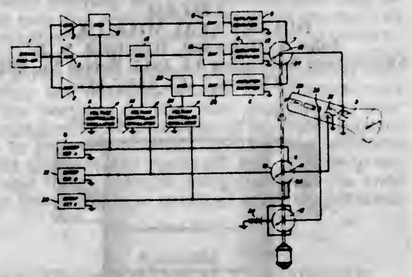
driven by said source of power, means driven from said variable speed transmission, means for regulating said variable speed transmission, means for cutting off said source of power, and means actuated by said regulating means to adjust the last mentioned means so that said source of power is cut out at predetermined different load conditions relative to the output ratio selected for said variable speed transmission.

2,484,617
OIL TUBE DUST CAP
Blaine E. Eynon, Birmingham, and Donald Gustafson, Detroit, Mich., assignors to Eynon-Dakin Company, Detroit, Mich., a copartnership
Application November 14, 1945, Serial No. 628,416
5 Claims. (Cl. 134—95)



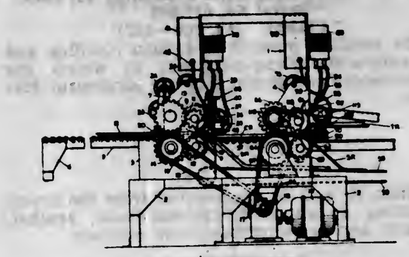
2. The combination with an oil tube having a flared end, of a cap comprising a length of material formed with a flat closure portion adapted to cover the flare, a curved shank, and a collar portion encircling and slidably engaging the tube.

2,484,618
WAVE RECEIVING SYSTEM
Harold J. Fisher, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1944, Serial No. 551,361
8 Claims. (Cl. 175—183)



8. A frequency range scanning system comprising a signal receiver adapted to transmit received signals lying within a wide frequency band, a multiplicity of branch transmission paths each connected at one end to receive signals from said receiver and each including a modulator followed by a frequency selective device, said devices having respective transmission frequencies that are alike, a plurality of voltage-controlled variable-frequency oscillators each connected to supply beating oscillations to a corresponding one of said modulators, a plurality of generators connected to supply to corresponding ones of said oscillators saw-toothed frequency-controlling voltage waves of the same periodicity and of different relative phase, a cathode ray tube including a voltage-responsive ray deflector and a ray modifier, switching means for connecting said generators to said ray deflector in repeated succession at a rate of repetition many times as great as the frequency of said saw-toothed voltage waves, and switching means for connecting said transmission paths at their other ends to said ray modifier in repeated succession in synchronism with the connection of said generators to said ray deflector.

2,484,619
SLITTING APPARATUS
Everett D. George, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application December 14, 1945, Serial No. 634,994
12 Claims. (Cl. 164—38)



1. Apparatus for subdividing segments of rubber stock and the like embodying a plurality of dissimilar compounds employed in composite relation and distinguished by planes of separation, said apparatus comprising a substantially vertically disposed means for cutting the composite stock along generally vertical planes of separation into a plurality of strips extending generally lengthwise of the stock segments, horizontally disposed means for additionally cutting at least certain of the component strips along the generally horizontal planes of separation, means for heating the several cutting means to facilitate the cutting operation, means supporting the vertically disposed cutting means, means adjustably controlling the position of the supporting means laterally of the stock, means adjustably controlling the depth of cut taken in the stock by the horizontally disposed cutting means, and means segregating the several subdivided strips of like compounds.

2,484,620
FLEXIBLE PROTECTIVE CUSHION FOR TIRE CHAFER AREA
Earl W. Glen, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 28, 1946, Serial No. 672,830
2 Claims. (Cl. 152—362)

1. An open-beaded type pneumatic tire provided with a cushion adjacent the bead area of the tire for the prevention of rim chafing when the tire is mounted on a rim, said cushion comprising a plurality of thin flexible projecting ribs arranged in spaced, generally parallel relation to each other concentrically of the beads of the tire, the length of projection of each of the several ribs

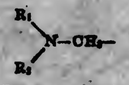
being substantially equal to the spacing therebetween whereby a substantially continuous cushion



is provided for the bead area of the tire when the ribs are folded over on contact with the rim.

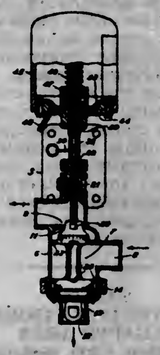
2,484,621
ADDITION PRODUCTS OF CARBON BISULFIDE AND AMINO-METHYLENE-NAPHTHOLS
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application September 19, 1945, Serial No. 617,443
7 Claims. (Cl. 260—455)

1. The addition product of carbon bisulfide and an amino-methylene-naphthol in which the amino-methylene group has the structural formula



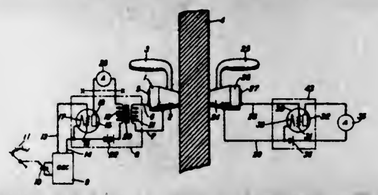
in which R_1 and R_2 are selected from the group consisting of aliphatic, cycloaliphatic, aralkyl, furfuryl and tetrahydrofurfuryl radicals.

2,484,622
FLOW DIVERSION VALVE
Elmer C. Hartman, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application November 1, 1945, Serial No. 625,976
4 Claims. (Cl. 277—42)



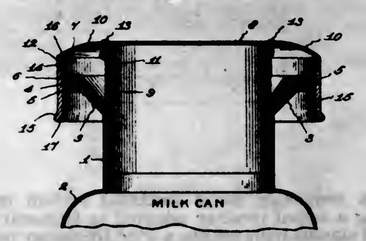
1. In a device of the class described, a valve body comprising an upper part and a lower part defining a valve chamber, means including a nut in threaded engagement with one of said parts for detachably sealing said parts together, said upper part being provided with a diversion outlet surrounded by a valve seat in the top thereof and with an inlet in the side thereof, said lower part being provided with a forward flow outlet in the bottom thereof surrounded by a valve seat, said last-mentioned valve seat being provided intermediate its edges with at least one leak detecting opening therein, a plug provided with a top valve portion adapted in one position of the plug to mate with the seat at the diversion outlet and provided with a bottom valve portion adapted in the alternate position of the plug to mate with a seat at the forward flow outlet, a leak detector valve element serving in one position to close said opening and in an alternate position thereof to open it, said bottom valve portion in the position of mating with the seat at said forward flow outlet serving to move said valve elements to its open position, and a single ring-like member supported on said body by said nut and provided with a spring finger normally urging said valve element into a position to close said opening.

2,484,623
THICKNESS MEASUREMENT
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1944, Serial No. 559,097
6 Claims. (Cl. 73—67)



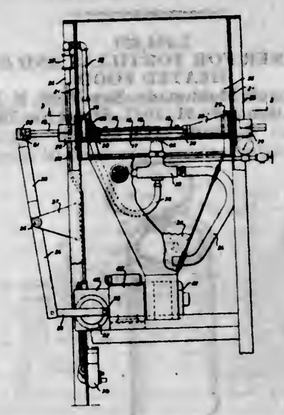
3. A thickness gauge for small dimensional parts which comprises in combination a piezoelectric crystal element, two electrodes attached to opposite faces thereof, one said electrode functioning as a support in contact with one surface of a test part, an oscillator, means for progressively varying the frequency thereof, amplifying and detecting means, said oscillator, amplifying and detecting means electrically connected to said crystal element through said electrodes, and current indicating means electrically connected to said detecting means.

2,484,624
DOUBLE SEAL MILK CAN
John A. Hopwood, Westfield, N. J.
Application November 14, 1945, Serial No. 628,596
5 Claims. (Cl. 220—42)



5. A milk can comprising a neck with a superimposed bowl having an outer edge which is thickened and reinforced, in combination with a cover having a center section with a rim adapted to fit into the neck of the can and provided peripherally with a radially extending umbrella, the outer edge of which is provided with a downwardly extending flange, and a skirt rabbeted at its upper end to receive said flange which is welded in place therein, said skirt having an internal diameter adapted to engage with the external surface of the thickened reinforced outer edge of the bowl when the rim of the cover is introduced into the can.

2,484,625
SAND BLASTING MACHINE
Charles J. Kammerer, Millburn, and Andrew N. MacKinnon, Tenafly, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1947, Serial No. 753,443
1 Claim. (Cl. 51—14)



In a sand blasting machine having a compartment with an opening in the bottom thereof through which abrasive material such as sand may be forced in a given path upwardly from a sand blasting unit positioned externally of the compartment, spaced parallel rods traversing the compartment and extending through pairs of aligned apertures in walls of the compartment, bearings to support the rods for reciprocable movement mounted in the said apertures, a work supporting carriage with an elongate aperture therein mounted on the rods for reciprocation therewith whereby the elongate aperture may be moved over the opening and traverse the path of the abrasive material, means operable to reciprocate the bars in unison to move the carriage between given limits, flexible hoods completely surrounding the bearings within the compartment and the portions of the rods movable in their bearings during reciprocation of the rods and carriage to seal the bearings and the rod portions against the abrasive material, and clamps to secure and form sealtight connections of the ends of the hoods to their bearings and rod portions.

2,484,626
ELECTROMECHANICAL TRANSDUCER
Arthur C. Keller, Bronxville, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 26, 1946, Serial No. 686,345
8 Claims. (Cl. 177—386)

1. An electromechanical transducer comprising a group of electromechanical translating members having similar phase angle input-output characteristics and each resonant at a preassigned frequency within a prescribed band of frequencies, said members being mounted side by side for vibration in the same mode, the resonant frequency of adjacent members being different and the frequency response characteristics of adjacent members overlapping, a pair of terminals, and means electrically connecting said members to said terminals with adjacent members in reverse relation, the resonant frequencies of said members being in such ratio that the outputs of each pair of adjacent members are in phase at a frequency substantially midway between the resonant frequencies thereof.



2,484,627
HOLDER FOR AND PACKAGE OF DENTAL ARTICLES
Eva M. Lennox, Hartford, Conn.
Application November 19, 1947, Serial No. 786,969
11 Claims. (Cl. 132—84)

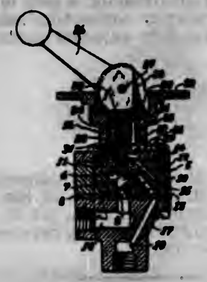


1. In a holder for dental articles, a tube-like member of flexible material having a plurality of transverse slots longitudinally spaced along one side within a portion of the length of the member and adapted for the longitudinal interlacing therethrough of the handle of a toothbrush and having a plurality of transverse slots longitudinally spaced along the diametrically opposite side within the same portion of the length of the member and adapted for the longitudinal interlacing therethrough of a tube of tooth paste, the relationship of the several slots being such that the toothbrush handle and the tube of tooth paste are directly opposite each other when interlaced through the slots.

2,484,628
VALVE
John Le Valley, Painted Post, N. Y., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application June 23, 1945, Serial No. 601,230
2 Claims. (Cl. 251—118)

1. A valve comprising a valve chamber having inlet, outlet and venting passages, a pair of opposed seats at the inlet and venting passages respectively, a ball valve in said chamber adapted to be moved alternatively from one to the other of said seats to close the corresponding passages, a valve actuating member extending through one of said seats, a guide member, spring means between said guide member and actuating member to transmit force to said actuating member, and a pivotally mounted manually operable member having a cam portion to actuate said guide member, the cam being provided with two flat faces

arranged angularly with respect to each other for selective engagement with the guide member to



retain the lever in positions corresponding to the seated positions of the valve.

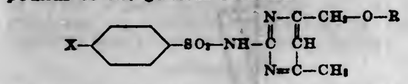
2,484,629

2-SULFANILAMIDO - 4 - ALKOXYMETHYL -6-METHYL-PYRIMIDINES AND THEIR PREPARATION

William A. Lott, Maplewood, and William Braker, Newark, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application November 27, 1943, Serial No. 512,046
5 Claims. (Cl. 260—239.6)

1. A compound of the group consisting of: compounds of the general formula



wherein R represents a member of the group consisting of methyl and ethyl, and X represents a member of the class consisting of amino and acylamino; and salts of these compounds.

2,484,630

SICKLE GUARD

Kenneth L. Magee, Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin

Application June 27, 1945, Serial No. 601,787
3 Claims. (Cl. 56—307)



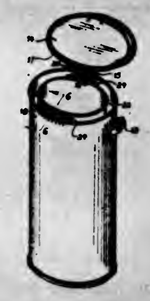
1. A stamped sheet metal sickle guard having a plurality of guard fingers, to be secured to a guard supporting bar for use with a sickle bar and sickle sections, each finger having a channel portion comprising an elongated ledger plate receiving web portion and two elongated ground engageable flanges extending from the opposite sides of said web portion, respectively, the length of any line of any transverse section normal to said web portion and parallel to said web portion being as great as the length of any other such line lying closer to said web portion whereby the guard may be formed by stamping operation, said flanges converging toward a point and tapering toward a point, a plan view of said web portion comprising a forwardly directed finger portion, said web portion and flange construction extending in a direction away from said point and across at least a portion of said guard supporting bar, the connections between the fingers comprising a web portion connecting the web portions of the fingers and a flange extending from said connecting web portion and connecting the adjacent flanges of adjacent fingers.

2,484,631

CONTAINER FOR TORTILLAS AND OTHER HEATED FOOD

Juvencio Maldonado, New York, N. Y.

Application July 21, 1947, Serial No. 762,478
1 Claim. (Cl. 220—9)



A device of the character described comprising, an outer cylindrical container provided with an enclosed bottom and an open top, a closure for said opening top hinged to the vertical wall of said container, a horizontal track secured about the inner circumference of the container at a spaced distance below the open end thereof, diametrically oposed interruptions in said track, an inner cylindrical container having an enclosed bottom and an open top, a horizontal detent formed about the upper outer circumference of said inner container, said detent removably engageable in said track to removably suspend the inner container entirely within the outer container, stop members on said detent engageable with said track at the points of joinder with the interrupted portions thereof, a perforated plate provided with annular rests on the under side thereof seated in the bottom of said inner container, a lever hinged to the inner wall of the outer container adjacent an interrupted portion of the track therein, and a cam head carried by said lever movable into abutting contact with that end of said detent remote to said stop for the purpose described.

2,484,632

BEADING MACHINE

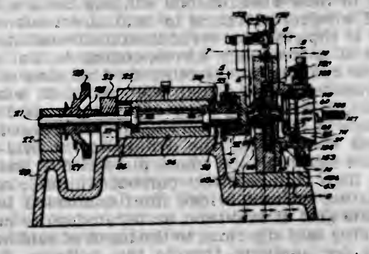
John L. Marsh, North Tonawanda, N. Y.

Application March 29, 1946, Serial No. 658,340
15 Claims. (Cl. 153—9)

1. In a machine for beading tubular members, the combination of a rotatable drive shaft mounted to also move axially, an eccentric on said drive shaft, a beading roll, a supporting member on which said beading roll is mounted, said supporting member being mounted for movement

only in a plane extending transversely of the axis of said shaft and beading roll, and a driving connection between said eccentric and said supporting member, and including means for imparting circular motion to said supporting member from said eccentric, said means including a wedge-shaped part actuated by the lengthwise movement of said drive shaft for varying the path of movement of said supporting member to urge said beading roll against said tubular member to be beaded when said drive shaft is moved axially.

15. In a machine for forming outwardly extending circular beads on tubular members, including a fixed standard, a die member mounted on said standard to receive a tubular member to be beaded, a supporting member mounted for movement in generally circular paths parallel to



the bead to be formed, a beading roll mounted on said supporting member in position to extend into the tubular member to be beaded, a tube gripping jaw formed of a plurality of sections movable into and out of gripping relation to a tubular member and forming with said die member a recess into which the bead may enter, means cooperating with said jaw member for urging the sections thereof into gripping engagement with said tube and for releasing said sections to permit the beaded tube to be removed from the machine, and means for imparting circular motion in circles of varying radii to said supporting member for pressing said beading roll against the interior of a tubular member while the axis of said beading roll is moved in a generally circular direction by said supporting member.

2,484,633

REARRANGEMENT AND ALCOHOLYSIS OF NITROSYL CHLORIDE-ISOBUTYLENE ADDUCT

Andrew J. Martin, East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1948, Serial No. 29,408
3 Claims. (Cl. 23—190)

1. The process for rearrangement of isobutylene-nitrosyl chloride adduct to form hydrazine dihydrochloride and organic reaction products which comprises maintaining the adduct in contact with hydrogen chloride in an organic reaction medium until adduct has been transformed to the liquid state and maintaining the resulting liquid in contact with a monohydric alcohol containing not more than 5 carbon atoms until hydrazine dihydrochloride and organic reaction products have been formed.

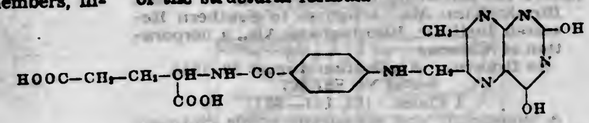
2,484,634

METHYL OXYFOLIC ACID

Gustav J. Martin and Harold Urist, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application February 21, 1948, Serial No. 10,198
3 Claims. (Cl. 260—251)

1. A compound selected from the group consisting of N-[4-({(2,4-dihydroxy - 7 - methyl-6-pteridyl)methyl}amino) benzoyl] glutamic acid of the structural formula



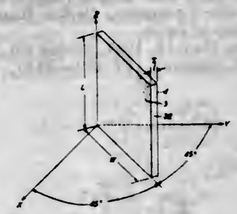
and alkali metal salts thereof.

2,484,635

PIEZOELECTRIC CRYSTAL APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application August 9, 1943, Serial No. 497,883. Divided and this application December 24, 1945, Serial No. 637,127
9 Claims. (Cl. 171—327)



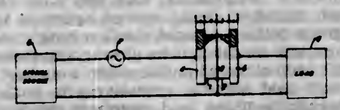
1. A piezoelectric crystal element adapted for thickness shear motion at a frequency controlled mainly by its thickness dimension between its major faces, and comprising one of the substances ammonium dihydrogen phosphate, potassium dihydrogen phosphate, potassium dihydrogen arsenate and ammonium dihydrogen arsenate, said major faces being substantially parallel to one of the three mutually perpendicular X, Y and Z axes and inclined at the bisecting angle of substantially 45 degrees with respect to the other two of said three X, Y and Z axes of said crystal element, said angle being a value corresponding to substantially the largest value of piezoelectric constant in said crystal substance for said thickness shear mode of motion.

2,484,636

MODULATION SYSTEM

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1947, Serial No. 776,297
20 Claims. (Cl. 332—26)



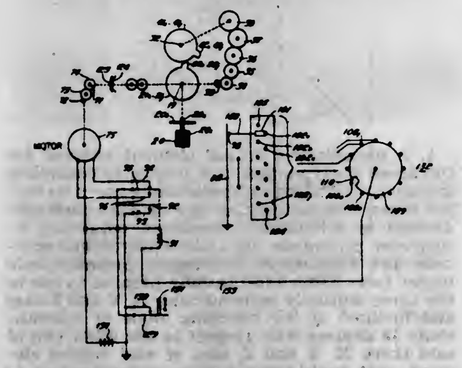
1. In combination, an electrostrictive element in the ferroelectric state, a source of voltage of

frequency f to be modulated, a source of modulating voltage, and means for impressing said voltages upon opposite faces of said element, said element being dimensioned for mechanical resonance at the frequency f whereby said voltages produce by electrostriction a modulated mechanical vibration in said element.

2,484,637
POWDERED OINTMENT BASE OF METHYL CELLULOSE AND SORBITOL
Albert M. Mattocks, Jr., and Wilbur A. Lazier, Birmingham, Ala., assignors to Southern Research Institute, Birmingham, Ala., a corporation of Alabama
No Drawing. Application August 20, 1946, Serial No. 691,867
1 Claim. (Cl. 167—63)
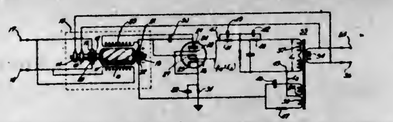
A biologically and chemically stable ointment base in the form of a dry powder comprising a finely comminuted mixture of methyl cellulose and sorbitol containing from 10 to 40 parts by weight of sorbitol for each 100 parts by weight of methyl cellulose, said powder being readily soluble in water in approximately one minute.

2,484,638
SELECTIVE CONTROL DEVICE FOR RADIO APPARATUS AND THE LIKE
Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application May 14, 1947, Serial No. 748,054
33 Claims. (Cl. 192—142)



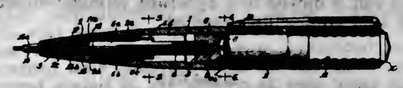
1. Apparatus of the character described for selectively setting a rotatable shaft which is required to undergo either a fractional revolution or more than one complete revolution before arriving at its selected setting, comprising a pair of separate rotatable members each carrying a plurality of stop elements, a fixed comb mounted adjacent said rotatable members and having a series of teeth one for each of said stop elements and adapted to be aligned therewith for effecting stopping of said shaft, the stop elements on at least one of said members being independently presettable, and the stop elements on both members being spaced apart so that for any given setting of said shaft a single stop element on one member is in planar alignment with a single stop element on the other member, means to rotate said members relatively to each other, and means to move said members longitudinally relatively to each other to bring any desired stop element on one member into planar alignment with a selected stop element on the other member and with a tooth on said comb and thereby to determine the extent of rotation of said shaft.

2,484,639
FREQUENCY AND SPEED STABILIZING SYSTEM
Francis L. Moseley, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application February 28, 1947, Serial No. 731,479
5 Claims. (Cl. 321—28)



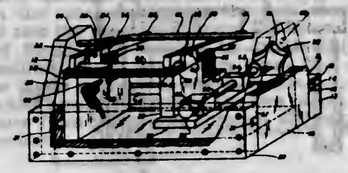
1. An arrangement for converting direct current into highly stabilized alternating current comprising an electric dynamotor having a single pair of field windings one winding being a D. C. field winding energized by said direct current, a pair of slip rings for deriving said alternating current at a frequency corresponding to the speed of the dynamotor, the other field winding of said dynamotor being a high voltage D. C. winding which is connected to a commutator said high voltage D. C. winding serving also as a speed regulator winding for the dynamotor, a grid-controlled electron tube whose plate circuit includes said high voltage direct current winding, an alternating current bridge filter connected to the control grid of said tube, and transformer means coupling said slip rings to the input of said bridge filter for applying thereto two voltages E_1, E_2 which are at phase quadrature to produce at the output of said bridge a voltage $(E_3 \pm E_2)$ where E_3 is the unbalance bridge current which is produced when said alternating current changes its frequency from that for which the bridge is balanced.

2,484,640
MECHANICAL PENCIL
James A. Mustard, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application February 23, 1946, Serial No. 649,472
13 Claims. (Cl. 120—17)



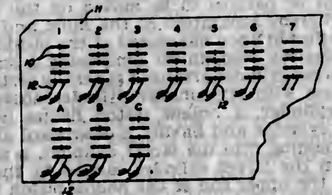
1. The combination in a mechanical pencil, of a barrel, and lead propelling means normally projecting from the front end of said barrel and reciprocable lengthwise of the barrel to a limited extent, said propelling means including a clutch which normally grips the writing lead and holds it against rearward movement under normal writing pressure, said clutch being releasable in response to a rearwardly directed releasing pressure applied to the front end of said propelling means that is greater than the normal writing pressure, and means included in said propelling means for moving the lead forwardly to a predetermined limited extent when said releasing pressure is discontinued and while said clutch continues released, said clutch being manually operable, after being released, to re-engage the writing lead and move it forwardly an additional predetermined amount.

2,484,641
METHOD OF SEPARATING ADHERING SHEETS BY AN AIR BLAST
James T. O'Hara, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1945, Serial No. 621,894
2 Claims. (Cl. 271—28)



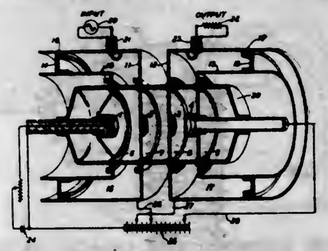
2. The method of separating the laminations of a laminated, wax-impregnated paper bar, which comprises securing the ends of the paper bar between spaced supports to prevent movement thereof, directing an air jet across the edge of the paper bar to separate all of the paper laminations intermediate the secured ends one from the other, releasing one end of the paper bar, directing the air jet thereagainst to separate the laminations thereat one from the other, resecuring the separated end, releasing the other end of the paper bar, and directing the air jet thereagainst, to separate the laminations thereat one from the other, whereby all of the laminations of the laminated paper bar are separated throughout the entire length of the bar.

2,484,642
RECORD CARD
Robert E. Paris, Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 17, 1945, Serial No. 635,555
3 Claims. (Cl. 235—61.12)



3. An article arranged to form a data record from which electrical indications of several data items may be obtained by the use of electrical contacts corresponding to each data item, said article comprising a sheet of material which is substantially a non-conductor, preformed areas of conducting material located upon the surface of the sheet in position to be engaged by the contacts corresponding to each data item, said areas being conductive throughout to form part of a current path between said contacts, selected ones of said areas being each severed into at least two non-contacting smaller areas by removal of part of the conducting material to break the current path through said selected areas.

2,484,643
HIGH-FREQUENCY ELECTRONIC DEVICE
Lisa C. Peterson, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 8, 1945, Serial No. 581,290
3 Claims. (Cl. 315—39)



1. A high frequency device comprising a cathode and means for projecting a stream of electrons therefrom along a predetermined path, a control grid, a screen electrode and an anode spaced along the said path from the cathode in the order named, the said means for projecting the stream of electrons comprising electrical potential sources connected to the control electrode, the screen electrode and the anode for biasing these electrodes with respect to the cathode, the spacings between the various electrodes and the biasing potentials applied to the electrodes from the said potential sources rendering the expressions

$$\Phi_1 = 1 - \zeta_2\left(1 + \frac{\sqrt{V_{D1}}}{\sqrt{V_{D2}}}\right)$$

and

$$\Phi_2 = \frac{T_2}{T_1}\frac{\sqrt{V_{D1}}}{\sqrt{V_{D2}}}$$

substantially equivalent, where ζ_2 is a factor indicating the space charge condition in the region between the said control grid electrode and the screen electrode defined by

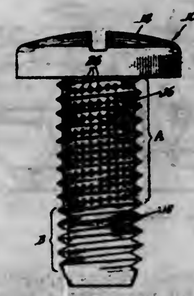
$$\zeta_2 = 3\left(1 - \frac{T_0}{T_2}\right)$$

where T_0 is the electron transit time in seconds across the said region in the absence of space charge and T_2 is the actual electron transit time in seconds, both measured when no alternating current is flowing, T_1 is the direct current electron transit time in seconds between the cathode and the control grid electrode, V_{D1} is the direct current potential in volts of the control grid with respect to the cathode, V_{D2} is the direct current potential in volts of the screen with respect to the cathode.

2,484,644
SELF-LOCKING AND SEALING SCREW
Ougljesa Jules Pospitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 13, 1945, Serial No. 588,089.
2 Claims. (Cl. 85—1)

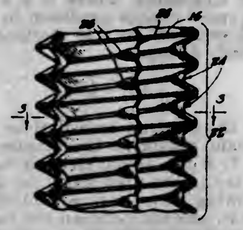
1. For application to a work aperture having normal uninterrupted thread convolutions therein, a self-locking and sealing screw including a shank having a threaded locking section and a threaded leading section at the entering end thereof, at least a portion of said leading section having a thread convolution of normal root and crest diameter substantially complementary to

the thread convolutions in the work aperture and the thread convolutions on said locking section being of normal crest diameter substantially complementary to the thread convolutions in the work aperture, and a plurality of circumferentially spaced integral protuberances interconnecting adjacent surfaces of the thread convolutions of the locking section and of limited size to permit



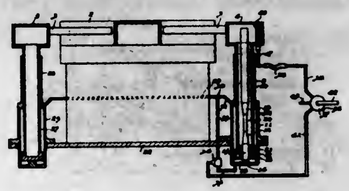
the locking section to be threaded into the work aperture but extending radially beyond the root diameter of said normal thread convolution of the leading section sufficiently to lockingly impinge the crown portions of complementary thread convolutions of the work aperture whereby to prevent helical leakage in the vicinity of the root of the screw threads.

2,484,645
SCREW FASTENER
Rudolf K. F. Baumle, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application October 23, 1946, Serial No. 705,197
2 Claims. (Cl. 85—1)



1. A self-locking and sealing screw including a shank having a threaded locking section and a threaded leading section at the entering end thereof, and a plurality of circumferentially spaced integral protuberances projecting radially beyond the normal thread periphery, including root portions interconnecting adjacent thread convolutions of the locking section at the root thereof, said protuberances extending radially beyond the normal root diameter of the screw sufficiently to lockingly inpinge the crown portions of complementary thread convolutions, said protuberances also including portions of limited and of substantially uniform cross section extending continuously from each of said root portions across at least the under surface of said thread convolutions into superimposing relation with respect to the crown thereof, said protuberances serving to prevent helical leakage along the thread surfaces.

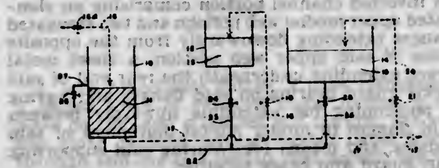
2,484,646
MOLD AND PATTERN SEPARATING AND ACTUATING MECHANISM
Thrash A. Benkenberger, Penn Township, Butler County, Pa., assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1946, Serial No. 676,659
7 Claims. (Cl. 22—52)



1. Mechanism for separating molds and the patterns on which they have been formed comprising means for moving one of a mold and the pattern on which it has been formed relatively to the other thereof to separate the mold and the pattern, said means comprising a smaller and a larger cylinder arranged in tandem, a hollow smaller piston fitting in the smaller cylinder and having an extension extending into the larger cylinder, a larger piston fitting in the larger cylinder carried by the extension, the extension and the larger cylinder defining an annular space, means for admitting fluid under pressure directly into the hollow piston separately from the cylinders, the larger piston having an opening therein through which fluid under pressure within the hollow piston is delivered to a position behind the larger piston in the larger cylinder to move the pistons, a third piston movable in a path parallel to the path of movement of the smaller piston, the third piston being fluid operated to move in its path, the larger piston displacing fluid from the annular space to operate the third piston, the cross-sectional area of the annular space being substantially equal to the effective area of the third piston against which the fluid displaced from the annular space operates, and connections between the smaller piston and the third piston on the one hand and the mold or pattern to be moved on the other hand whereby separation of the mold and pattern is effected upon movement of the pistons.

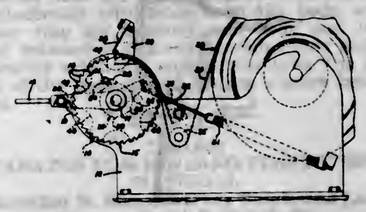
6. Actuating mechanism comprising a smaller and a larger cylinder arranged generally vertically in tandem with the smaller cylinder above the larger cylinder, a hollow piston fitting in the smaller cylinder and having a downward extension extending into the larger cylinder, a piston fitting in the larger cylinder carried by the extension, the upper end of the hollow piston being closed, the hollow piston containing liquid, a source of gas under pressure, a connection from the source to the interior of the upper end of the hollow piston, a passage from the interior of the hollow piston to a point within the larger cylinder below the piston fitting therein so that gas under pressure introduced into the hollow piston through the connection may force liquid through the passage and cause the liquid to raise the pistons, the extension and the larger cylinder defining an annular space, a third cylinder arranged generally vertically, a piston fitting therein, a conduit leading from the annular space adjacent the upper end thereof to a point within the third cylinder below the piston fitting therein, a liquid in the annular space and in the conduit, the piston in the larger cylinder forcing liquid from the annular space into the conduit to raise the third piston when the first mentioned pistons are raised, the cross-sectional area of the annular space being substantially equal to the effective area of the third piston against which the liquid forced through the conduit operates so that the pistons all move upward in unison, another conduit connecting the space containing the first mentioned liquid and the space containing the second mentioned liquid, a valve in that conduit which is openable to establish communication between the space containing the first mentioned liquid and the space containing the second mentioned liquid and closable to disestablish said communication, a connection from the source of gas under pressure to the valve for closing the valve and means controlling the flow of gas under pressure from the source through the respective connections.

2,484,647
ION EXCHANGE TREATMENT OF SOLUTIONS
Elliott J. Roberts, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application August 24, 1945, Serial No. 612,465
5 Claims. (Cl. 210—24)



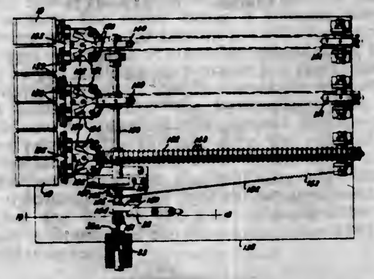
1. The method of treating water to remove therefrom ionized salts by passage of said water first through a cation exchange bed of granular H-ion exchange material and then through an anion exchange bed of granular acid-adsorbing anion exchange material, and in which the operating cycle of the cation exchange material comprises progressively exhausting the bed by the flow of said water therethrough during an exhaustion phase, regenerating the exhausted cation exchange bed with a mineral acid solution to restore the H-ion exchange capacity thereof during a regeneration phase, and displacing residual regenerant solution from said cation exchange bed with rinse water during a rinsing phase prior to the re-use of the bed in a subsequent operating cycle, whereby said cation exchange bed is maintained substantially in submergence throughout the operating cycle; characterized by conducting the operating cycle in a manner whereby there is attained a significantly cation-free condition of the treated-water effluent end portion of the bed for the start of the exhaustion phase which comprises passing the water to be treated through said cation exchange bed in one direction to exhaust the bed progressively in the direction of the flow of said water towards the treated-water effluent-end of the bed until that bed is substantially exhausted, passing through the bed in the opposite direction regenerant solution whereby the bed is progressively regenerated in the direction of flow of the regenerant solution while the treated-water effluent end portion of the bed is rendered significantly cation-free although loaded with H-ions, and passing through the bed co-directional with the flow of said regenerant solution rinse water that has been treated to be significantly cation-free whereby regenerant solution is displaced from the bed while leaving the treated water effluent end thereof significantly cation-free although loaded with H-ions.

2,484,648
TAPE DISPENSING DEVICE
Duer C. Robson, Baltimore, and Clyde N. Stever, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1941, Serial No. 420,510
18 Claims. (Cl. 164—84.5)



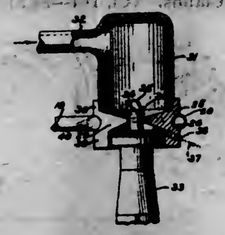
1. In an adhesive tape dispensing device, a rotary tape dispensing wheel mounted for peripheral engagement with the adhesive side of a continuous length of adhesive tape as it is withdrawn from a supply thereof, means for rotating the wheel to withdraw predetermined lengths of tape from the supply, and means for severing the tape, said wheel having a peripheral notch for permitting the insertion of an operator's finger underneath the tape on the wheel to remove the tape from the wheel.

2,484,649
JUSTIFYING TYPEWRITER
Elihu Root, III, Springfield, Vt., assignor to Research Corporation, New York, N. Y., a corporation of New York
Continuation of application Serial No. 479,933, March 20, 1943. This application January 28, 1947, Serial No. 724,776
44 Claims. (Cl. 197—19)



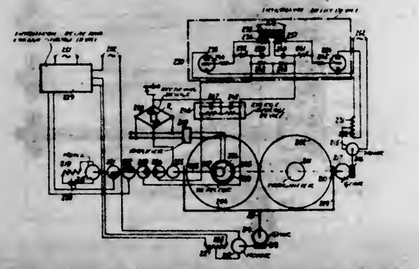
18. In an electro-mechanical memory unit, an endless band of flat strip character, a series of clips having ends resiliently engaging opposite sides of said band and arranged in spaced relation along the same, means for advancing said band to move said clips in succession from a recording to a transcribing station, electrically actuated means at the recording station to displace a clip transversely of the flat strip endless band from a normal to an actuated position with respect to said band, switch means at the transcribing station including a switch actuating member located in the path of actuated clips, means between said transcribing station and said recording station to return actuated clips to normal position, and means for energizing said band advancing means to effect a one step advance of said band at each operation of said electrically actuated means.

2,484,650
INDUCTION BRAZING APPARATUS
Harold B. Rose, Jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1945, Serial No. 601,393
3 Claims. (Cl. 219—12)



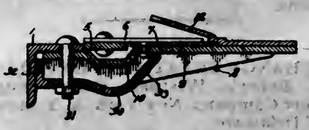
1. A high frequency heating device comprising a loop of conducting material of tubular cross section, a substantially cylindrical mass of conducting material within said loop, a central aperture in said mass of material, a slot in said mass of material extending from the periphery into communication with said aperture, said mass being tapered toward said aperture to concentrate flux in said aperture, a cup-shaped depression coaxial with said aperture in said mass, and means for directing a protective atmosphere through said aperture comprising a cap having an open end inserted into said depression.

2,484,651
RADIO DIRECTION FINDER
Helge Fabian Rost, Djursholm, Karl Harry Thunell, Neckeby, Sten Daniel Vigren, Stockholm, and Per Harry Elias Claesson, Jakobsberg, Sweden
Application May 11, 1945, Serial No. 593,172
In Germany January 10, 1941
3 Claims. (Cl. 343—117)



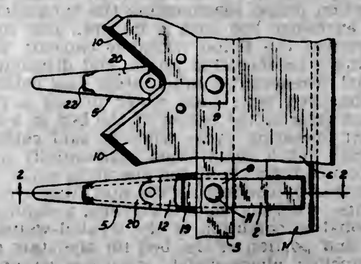
1. Rotatable receiving means for receiving radiant energy from an object in space, said receiving means comprising energy directing means arranged for sharp energy-receiving direction, a detector located at a spot, at which the energy is concentrated by said energy directing means, shifting means combined with said energy directing means for alternately passing energy to the said detector from two equal parts of a scanning field symmetrically located with respect to both sides of a central plane dividing the said scanning field means for rotating said receiving means in either of two directions in at least one plane for directing the center line of said energy directing means at the said object for tracking same, the center line of said energy directing means being fixedly located in any of said central planes with respect to said shifting means, control means comprising distributing means connected between the detector and the rotating means for passing two successively received amounts of energy from said two parts of the scanning field in such a direction to the said rotating means that upon rotation of same in one or the other direction the difference between said two amounts of energy is lessened.

2,484,652
SICKLE GUARD
Otto R. Schoenrock, Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 9, 1945, Serial No. 596,594
8 Claims. (Cl. 56—309)



1. A sickle guard construction comprising a supporting bar, a sheet metal sickle guard having an inverted channel portion comprising an elongated upper medial web portion and two elongated flanges extending downwardly from the opposite sides of said upper web portion, a sheet metal brace extending underneath the rear end of said sickle guard bearing on said flanges and having a positioning lug extending upwardly between said flanges to hinder lateral movement of said flanges, and means for securing said supporting bar, guard and brace together.

2,484,653
SICKLE GUARD AND MOUNTING
Otto R. Schoenrock, Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application July 8, 1947, Serial No. 759,540
6 Claims. (Cl. 56—207)



1. A sickle guard and mounting construction comprising a cutter bar rail, a sickle bar, a plurality of spaced bracket tongues secured thereto and extending forwardly therefrom, a wear plate for engaging the rear edge of the sickle bar, a plurality of sickle guard fingers, one secured to each of said tongues, a first apron extending parallel to said rail above said tongues, a second apron extending parallel to said rail below said tongues, a plurality of ledger plates, one secured to each finger, a plurality of hold-down clips for holding the sickle sections against the ledger plates and means extending through said aprons, clips, wear plate, guard fingers, and tongues for securing them together, each guard finger comprising an integral stamping having an inverted channel portion comprising an upper elongated medial web portion and two elongated spaced flanges extending downwardly from the opposite sides of said upper web portion, respectively, spaced far enough apart to enable the insertion and withdrawal of a forming tool by movement transversely with respect to said medial portion, said medial portion comprising a finger tip portion, a flat ledger plate supporting portion in the rear of said tip portion, a depressed sickle bar clearance portion in the rear of said ledger plate supporting portion, and a flat attaching portion in the rear of said clearance portion, the front end of each tongue lying within the channel portion underneath the attaching portion and the clearance portion, engaging these portions.

2,484,654
DETACHABLE BUTTON
Harry A. Shaffer, East Cleveland, Ohio
Application August 4, 1945, Serial No. 609,236
5 Claims. (Cl. 24—109)



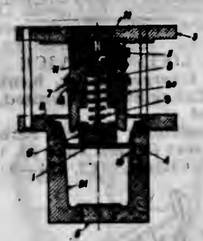
1. In a detachable button, a base, comprising, a folded sheet of resilient metal having a top plate portion and a bottom leaf portion, the said top plate portion having crossed slots therethrough and the said bottom leaf portion bearing resiliently against the top plate portion and having a boss thereon normally lying in one of the slots.

2,484,655
SCREW HOLDER FOR SCREW DRIVERS
Clifford B. Shreve, Buchanan, Mich.
Application July 14, 1947, Serial No. 760,770
1 Claim. (Cl. 145—52)



A screw driving device comprising, a cylindrical body having a central passage therethrough, a shaft having a screwdriver bit on one end and rotatably and longitudinally movable in said body, a plurality of circumferentially spaced longitudinally extending slots in one end of the body and communicating with said passage, a plurality of jaws pivotally mounted intermediate their ends on the body in said slots and having ends movable into said central passage through the slots in the same plane transverse to the axis of the passage, their other ends extending outwardly from their pivots in the same plane transverse to the axis of the passage, a ring screw threaded onto the body adjacent said jaws and longitudinally adjustable upon the body, and a rubber ring surrounding said body and interposed between said screw threaded ring and the outwardly extending ends of the jaws, the inner ends of the jaws serving to grip a screw between them.

2,484,656
APPARATUS FOR MOLDING PLASTIC SHEET MATERIAL
Basheshar N. Sikka, Gurbux Singh, and Lal C. Verman, Delhi, British India
Application June 18, 1946, Serial No. 677,608
In British India July 9, 1945
3 Claims. (Cl. 18—35)



2. A device for manufacturing containers from resin impregnated laminations comprising coacting mould parts, one being a mould of tapering section, the other being a plunger also of tapering section and having a confining edge in the form of a flange or shoulder, said plunger having a spring loaded pilot plunger, the pilot plunger having a bolt which travels therewith, and which pilot plunger pushes the laminations into the mould cavity prior to the contact of the confining edge of the plunger with the edge of the lamination, so as to prevent crushing of the edges of the laminations by the confining edge during the moulding process, and an arrangement for locking the bolt of the pilot plunger after the mould is closed and for unlocking same when the mould is opened.

2,484,657
DENTAL SYRINGE
Anthony J. Sen, Mattapan, Mass., assignor to Sonco, Inc., Mattapan, Mass., a corporation of Massachusetts
Application July 14, 1942, Serial No. 38,654
5 Claims. (Cl. 128—218)

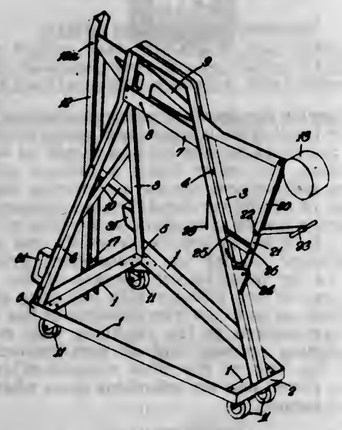
1. A dental syringe comprising in combination, a syringe body, an injection needle, a hub secured to said needle intermediate the ends thereof and a locking member interposed between said needle and said syringe body, said locking member having a cavity in which said hub is disposed for limited rotational movement and for movement in the direction of the axis of said syringe body, and screw means formed on the inner end of said syringe body and in threaded engagement with said locking member, whereby upon

relative rotary movement of said locking member and syringe body, said hub will be rotated against



the side of said locking means and moved axially against an abutment formed therein.

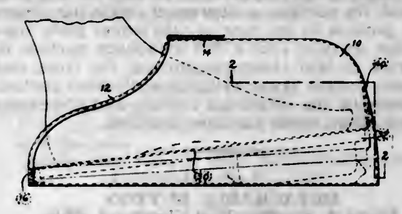
2,484,658
LIFTING DEVICE
John Charles George Speller, Kenton, England, assignor to Ealing Studios Limited, Ealing, London, England
Application September 26, 1947, Serial No. 776,293
In Great Britain June 19, 1947
15 Claims. (Cl. 254—8)



1. Lifting apparatus including in combination a mobile framework, a substantially vertical lifting bar member mounted at the front of said framework for substantially vertical movement therein, engaging means on said lifting bar for engagement with an article to be lifted, a leverage multiplying device, a counterweight transmitting lifting force to said lifting bar through said leverage multiplying device, and means for exerting force upwardly on said counterweight.

2,484,659
FOOT DUSTER
Max H. Swerdlow, Columbus, and Jack H. Saidel, Dayton, Ohio
Application March 10, 1948, Serial No. 13,965
5 Claims. (Cl. 128—265)

1. A device for treating feet with powder including the combination of a casing provided with an opening into which the foot to be treated may be inserted, a treadle member mounted in spaced relation from the bottom of the casing having one end pivotally attached to the casing, a plurality of vents in the treadle member and a resilient cup-like member fixedly attached to the



treadle member underneath the vents, said cup-like member providing a compartment for powder so that as the treadle member is actuated by the foot to be treated, the powder is blown outwardly through the vents so as to powder the foot, said cup-like member being constructed to raise the treadle member upon the treadle member being released.

2,484,660
RETRACTABLE LANDING GEAR AND ANALOGOUS DEVICE
Remy Henri Albert Thireau, Garches, France
Application October 19, 1946, Serial No. 704,384
In France August 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 25, 1963
4 Claims. (Cl. 244—102)

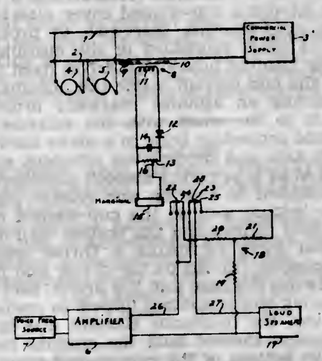
1. A wheel retracting device for an aircraft which comprises, in combination, a retractable support for the wheel, a pulley carried by said support so as to be freely rotatable thereon, a flexible cable fixed at one end to the periphery of said pulley and at the other end to a point of said aircraft so that winding of said cable on said pulley causes said support to be brought into retracted position, and means for coupling said pulley with said wheel so that the kinetic energy accumulated in said wheel during the running thereof on the ground can be transmitted to said pulley for winding said cable thereon and retracting said support and said wheel.

2,484,661
FRAMED DESIGN FOR HANDBAGS, LUGGAGE, AND THE LIKE
John G. Vogel, New York, N. Y.
Application November 27, 1944, Serial No. 565,307
3 Claims. (Cl. 40—152)



3. A frame design arrangement for handbags and the like, comprising a rectangular framing strip of flexible material and a backing sheet therefor, a plate carrying an illustration disposed on said backing sheet under said framing strip, a second rectangular framing strip of flexible material disposed between said first-named framing strip and said backing sheet to overlap the edge portions of said plate and formed with inwardly extending resilient tongues stamped from the material thereof, said plate being formed with marginal openings into which said tongues extend, said framing strips and said backing sheet having their outer peripheral edges projected beyond the peripheral edges of said plate and secured together by lines of stitches, whereby the inner edges of said framing strips are free to be flexed away from said plate withdrawing said tongues from said opening and freeing said plate to be removed.

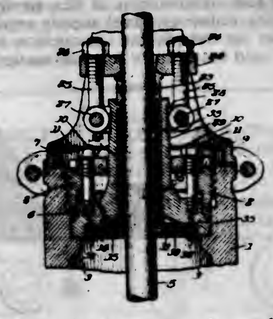
2,484,662
AUTOMATIC ACOUSTIC CONTROL FOR PUBLIC ADDRESS SYSTEMS AND THE LIKE
Grant N. Wetzel, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application January 24, 1946, Serial No. 643,161
4 Claims. (Cl. 179—1)



1. In a sound reproducing system, a voice-frequency controlled amplifier, a sound reproducer supplied from said amplifier, alternating current supply mains for supplying operating power to electrically driven machines located in the vicinity of said reproducer, a current transformer connected in series with said mains, a rectifier and potentiometer combination connected across the output of said transformer, an electro-magnetic relay having its winding connected to said potentiometer, said relay having contact sets for selectively connecting a voice frequency signal attenuator in circuit between said amplifier and reproducer.

2,484,663
PRESSURE SEALED STUFFING BOX
Carl H. Youngquist, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 1, 1946, Serial No. 707,161
3 Claims. (Cl. 286—26)

1. A stuffing box sealing arrangement for a pressure vessel comprising a stuffing box, a stem with a portion thereof within the said stuffing box, packing for the stuffing box, a gland with a longitudinal annular portion within said stuffing box and having a flexible flanged portion fastened peripherally to a portion thereof annularly adjacent to the stuffing box, the flexible flanged portion extending substantially transversely to that portion of the gland extending into the stuffing box, the packing being compressed by the said gland upon application of fluid pressure against



a substantially transverse surface of the said flanged portion of the gland.

2,484,664
POWER CUTOFF SWITCH
John C. Ziers, Independence, Mo.
Application November 15, 1948, Serial No. 60,101
8 Claims. (Cl. 200—52)

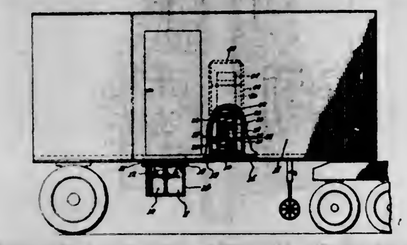


7. A switch comprising a rotatable cylindrical housing, a radial vane supported for oscillation in said housing coaxially with the axis of rotation of said housing, a quantity of liquid carried in the lower portion of said housing and normally immersing the outer portion of said vane, whereby as said housing rotates said liquid will be moved thereby to impinge against and oscillate said vane, a spindle extending axially into said housing, means securing said spindle against rotation, stop members carried by said spindle for limiting the oscillatory movement of said vane, and a plurality of electrical switches carried by said vane and operable by the oscillation of said vane, the lead wires for said switches entering said housing through holes formed longitudinally through said fixed spindle.

2,484,665
PORTABLE TRUCK HEATER
Eric Martin Anderson, Portland, Maine, assignor to Utilities Distributors, Inc., Portland, Maine, a corporation of Maine
Application November 17, 1945, Serial No. 629,267
1 Claim. (Cl. 237—32)

An improved heating apparatus for trucks and like vehicles having a closed cargo space, having a gas burning heating unit installed internally within said cargo space, a fuel supply connection, and fuel storage apparatus comprising a carrier suspended from the bottom of the vehicle, means for supporting a pair of bottles vertically and in such position that the bottles are accessible from the exterior of the vehicle

and from its cargo space for the detachment of the bottles from said automatic supply equipment and the substitution of the newly replenished bottles, automatic fuel supply equipment in said carrier for detachable connection to the top portion of said bottles and for automatically mak-



ing a change-over from one bottle to the other as the supply of fuel is exhausted from one such bottle and a fuel supply line running from such equipment into the interior cargo space of the truck.

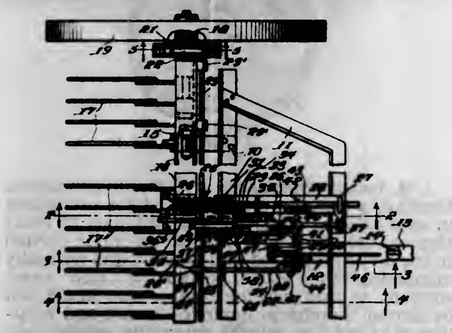
2,484,666

ATTACHMENT FOR HAYRAKES TO OPERATE HAYRAKES FROM TRACTOR SEATS

Louis W. Anthony, Albany, Oreg.

Application October 7, 1947, Serial No. 778,407

3 Claims. (Cl. 56—387)



1. An attachment for a hay rake having a main transversely extended frame, a bar pivoted on said frame, wheels journalled on said bar, and rake teeth connected to the bar to extend rearwardly therefrom, comprising a hold down arrangement connected between the frame and the transverse bar to normally retain the rake teeth upon the ground, said arrangement including a slide, a shaft containing the slide and adapted to be adjusted through its connection with the frame, toggle links extended between the slide on the rod and the frame, a link connected between the slide on the rod and a connection of the arrangement with the transverse bar, a pin projection on the connection of the arrangement with the transverse bar, a latch adapted to receive the pin projection as the transverse bar and the rake teeth are lifted to retain the transverse bar and the rake teeth in an elevated position on the frame, devices cooperating with the arrangement and the wheels to effect a lifting action of the transverse bar, means for operating said devices and means for simultaneously breaking the toggle links to release the hold down spring arrangement simultaneously with the operation of the lifting devices.

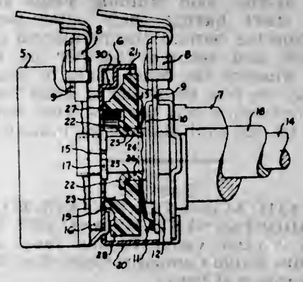
2,484,667

DRIVER FOR VARIABLE RESISTORS

Mervin B. Arisman, Adrian J. Vaksvik, and Ralph W. Magnusen, Elkhart, Ind., assignors to Chicago Telephone Supply Corporation, Elkhart, Ind., a corporation of Indiana

Application March 17, 1949, Serial No. 81,872

10 Claims. (Cl. 201—55)



1. In an electrical control device having a base provided with a resistance element and a bushing, and having a cup-shaped cover attached to the base and coacting therewith to provide a housing: a shaft journaled in the bushing and projecting into the housing; a driver fixed to the shaft at the end thereof inside the housing, said driver having an annular rearward projection concentric to the shaft with the extreme rear edge of said projection lying in a plane normal to the shaft axis and beyond the adjacent end of the shaft so as to provide a smooth uninterrupted runner adapted to ride on and receive support from the bottom wall of the cup-shaped cover, whereby said runner and the bottom wall of the cup-shaped cover constitute a thrust bearing; and a contactor carried by the driver and interposed between the base and the driver, said contactor having spring contact fingers to resiliently bear against the resistance element and by the spring tension thereof hold the circular runner against the bottom of the cup-shaped cover.

2,484,668

SAFETY MECHANISM FOR PREBOARDING MACHINES

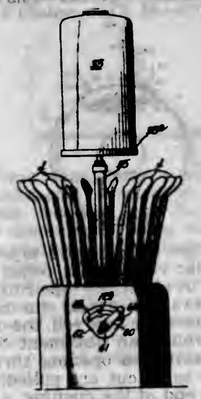
Fred Backhus, Carlstadt, N. J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application August 25, 1947, Serial No. 770,364

20 Claims. (Cl. 223—76)

1. In a stocking treating machine including a plurality of vertical stocking forms pivotally mounted for movement between an inner nested relation and an outer spread relation, a cover member arranged to enclose said forms in said inner nested relation and movable vertically to an elevated position above said forms, an actuator movable from a maximum low elevation to a maximum high elevation for effecting simultaneous movement of said forms from said inner nested to said outer spread relation, said cover and said actuator being constructed to descend from their elevated positions gravitationally, means operable to arrest descent of said actuator at an elevation intermediate said high and low elevations thereof for engagement by said forms in an intermediate spaced relation, means to effect further descent of said actuator to said maximum low elevation thereof and move said forms simultaneously from said intermediate spaced relation to said inner nested relation thereof, means operable to effect descent of said

cover member, mechanism operable in the high and intermediate elevations of the actuator to prevent operation of said last mentioned means, and means operable in the outer spread relation



of said forms to prevent descent of the actuator to its maximum low elevation and thereby prevent lowering of the cover until all of said forms are swung inwardly from said outer spread relation to the intermediate spaced relation thereof.

2,484,669

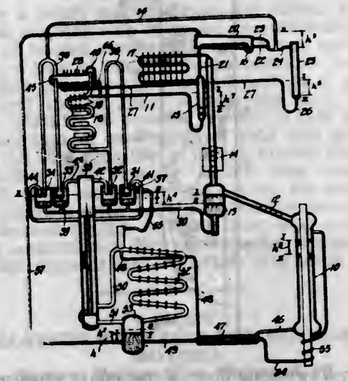
METHOD AND DEVICE RELATING TO ABSORPTION REFRIGERATING APPARATUS

Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application April 7, 1942, Serial No. 437,998

In Sweden April 22, 1941

31 Claims. (Cl. 62—5)



1. The method of controlling the temperature distribution in the cooling element of an absorption refrigeration system using an auxiliary pressure equalizing medium which comprises separating refrigerant vapor from an absorbent, liquefying the refrigerant vapor, flowing the liquid refrigerant in a predetermined path through the cooling element, flowing the auxiliary pressure equalizing medium through the cooling element in one direction to cause the refrigerant to evaporate at a relatively low temperature, absorbing the refrigerant vapor in the absorbent to separate the pressure equalizing medium therefrom, and reversing the direction of flow of the auxiliary pressure equalizing medium through the cooling element in accordance with a change in the temperature of the ambient air.

2,484,670

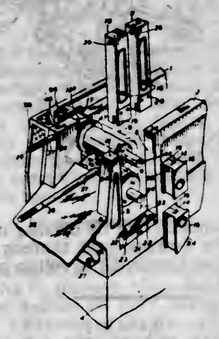
MACHINE FOR MOLDING PLASTIC MATERIALS, SUCH AS CONFECTIONERY

Alfred Walter Barker, Tottenham, London, England

Application August 4, 1947, Serial No. 765,866

In Great Britain August 12, 1946

11 Claims. (Cl. 107—8)



1. A machine for moulding plastic material, particularly plastic sugar from which confectionery is made, comprising a frame having a pair of spaced upstanding side members, a pair of co-operating moulding rollers mounted between said side frame members, bearings for the trunnions of said moulding rollers mounted in slots in said frame side members, one at least of said frame side members having a gap wider than the external diameter of each of said rollers and opposite the adjacent ends of the latter, and positioning means in said gap for operatively locating in the gap-provided side member of said frame the bearings for the said trunnions of said rollers at the end adjacent this frame side member, such positioning means defining the said slot for the said bearings and being movable transversely of the axes of the said rollers for releasing the said bearings normally positioned thereby and opening the said gap to enable the said rollers to be withdrawn endwise through the said gap.

2,484,671

SILK SCREEN STENCIL DECORATING MACHINE

Thomas S. Bauman, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application May 2, 1944, Serial No. 533,761

13 Claims. (Cl. 101—124)

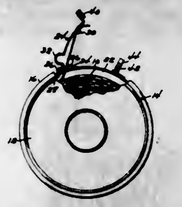
1. A decorating machine comprising a carriage rotatable about a vertical axis, a work-holding unit mounted on the carriage for rotation therewith, said unit comprising a spindle extending radially of the carriage and a workpiece holding chuck on the spindle, means for rotating the carriage, a decorating unit having a stationary mounting and comprising a decorating screen, a driving gear, means for rotating it on said vertical axis, a pinion on said spindle meshing with said driving gear and driven thereby for rotating the chuck about its axis and bringing it to a pre-

releasing the chuck from its driving means when in said rotative position and thereby permitting the workpiece on the chuck to roll in contact with the screen.

2,484,672
INTERNAL-COMBUSTION ENGINE
Frank H. Beall, Detroit, Mich.
Application December 8, 1945, Serial No. 633,757
29 Claims. (Cl. 123—53)

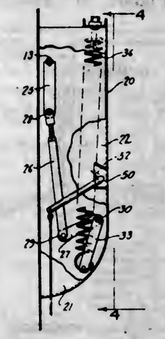
9. In an internal combustion engine, a pair of cylinders, a common combustion chamber, a piston in each cylinder, one of said cylinders having inlet ports overrun by its piston, the other of said cylinders having exhaust ports overrun by its piston, connecting means for said pistons for reciprocating them substantially in unison with each other and supercharging means comprising a supplementary port, a compressor cylinder communicating therewith, a piston in said compressor cylinder driven by said connecting means in phase relation with said first mentioned pistons and means in said supplementary port to prevent said supercharging means from delivering air to said pair of cylinders until said pistons have overrun said inlet and exhaust ports.

2,484,673
ADHESIVE TAPE CUTTER
Frank M. Becker, Sinking Springs, Pa.
Application October 8, 1945, Serial No. 620,913
3 Claims. (Cl. 242—55.5)



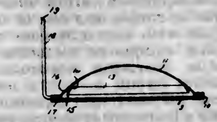
1. A cutter case for adhesive tape rolls, comprising a circular rim having rolled edges, said rim adapted to fit about the tape roll, one of said edges rolled outwardly of said rim to provide an open side to receive the tape roll, the other of said rolled edges forming an abutment for the tape roll said rim having an opening through which lengths of tape to be cut are pulled, a knife on the case at one end of the opening, a closure for the opening pivoted on the rim at the opposite end thereof, said closure having a cap-like end and a support for the tape and movable to a closed position to engage the tape with the knife by means of said cap-like end to sever the length desired, pivoted latching means on the case for the closure and spring means for said closure to force said closure to open position.

2,484,674
GARAGE DOOR
Glenn Berry and George W. Sjoboen, Birmingham, Mich.; said Sjoboen assignor to said Berry
Application February 14, 1945, Serial No. 577,839
11 Claims. (Cl. 16—1)



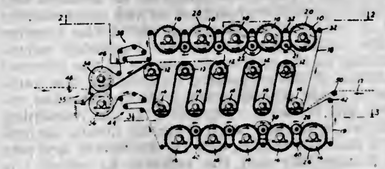
1. In a swinging door, a stationary pivot member about which the door swings, support mechanism comprising two toggle joints, said toggle joints comprising two outer links and an intermediate link common to both toggle joints, one of said outer links being fixed to the stationary pivot member and the other outer link being pivoted on the door whereby as the door swings about its axis one toggle joint moves toward its open position and the other moves away from its open position toward a jack-knifed position, the opened toggle joint tending to retain the door into the position to which it is swung to open said toggle joint.

2,484,675
FLUID LENS HAVING BUBBLE ELIMINATION MEANS
Carl Biderman, Jamaica, N. Y.
Application October 3, 1947, Serial No. 777,699
6 Claims. (Cl. 88—57)



1. A fluid lens comprising a pair of generally circular diaphragms formed of clear, transparent, plastic material and having a curved contour, the diaphragms being secured together around their marginal edges to provide a closed chamber, a clear, transparent fluid filling said chamber, the chamber having an opening therein for such filling, a dished ring presenting an external contour of the general shape of a frustum of a cone secured along its inner edge to the inner surface of one of said diaphragms generally concentric therewith.

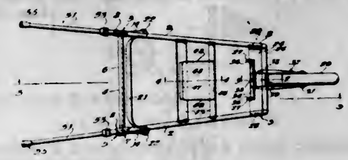
2,484,676
APPARATUS FOR DRYING PAPER
George L. Bidwell, Riegelsville, Pa.
Application November 21, 1946, Serial No. 711,247
6 Claims. (Cl. 34—111)



1. In a paper machine drier for drying a continuous running web of paper, in combination, a series of heated drying rolls over which said web passes, a pair of endless fibrous blankets in contact with opposite sides of said web as it passes over said drying rolls, said drying rolls being freely rotatable to equalize tension in said web in the direction of movement of said web as it is being dried, a plurality of driven heated rolls for preheating said blankets before they come in contact with said web, and means for drawing said blankets with said web therebetween over said heated drying rolls to hold said blankets firmly against said web and thereby prevent lateral shrinkage of said web while it is being dried.

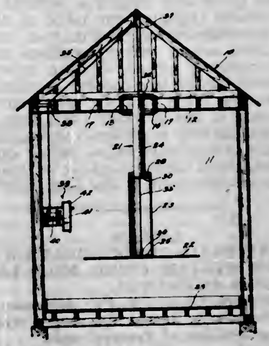
2,484,677
COLLAPSIBLE CARRIER FOR OUTBOARD MOTORS
Gustave Harder Binz, Maywood, Ill.
Application November 18, 1947, Serial No. 786,556
5 Claims. (Cl. 280—38)

1. In a carrier for outboard motors, a pair of side frame members disposed in spaced relation, the forward portions of said side frame members being angularly disposed to provide a pair of downwardly projecting forward legs, wheel means mounted on the lower ends of said forward legs, a motor mounting plate secured in fixed position upon said side frame members at their points of junction with the upper ends of said forward legs, said motor mounting plate being mounted in a plane disposed at an angle to the plane of outboard motor in an inclined position with the head end of the outboard motor disposed above and adjacent said wheel means and the propeller end of the outboard motor projecting rearwardly and downwardly to a lower elevation than the head end, and a pair of rear legs pivotally con-



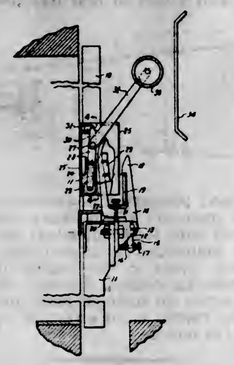
nected to and projecting downwardly from said side frame members, the distance from the rear ends of said side frame members to the points of pivotal connection with said rear legs being substantially equal to the length of said rear legs, whereby an outboard motor may be supported in either an inclined plane during movement of the carrier or in a vertical plane during storage of the motor.

2,484,678
CEILING SUSPENDED, ELEVATABLE TABLE
Opha F. Blumer, Moravia, Iowa
Application August 26, 1946, Serial No. 693,122
2 Claims. (Cl. 311—17)



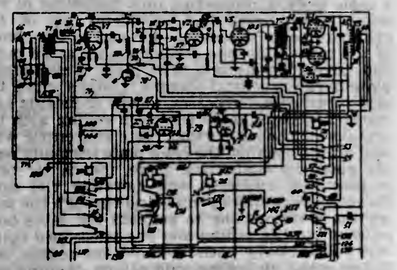
2. A table structure for use in a room having a ceiling provided with an opening, comprising a table body, a supporting unit consisting of two telescopically connected cylinders, one of the cylinders being secured at one end to the center of the table body, the other cylinder at its outer end having an integral head plate, a supporting plate having a central opening through which the said other cylinder passes, means mounting said supporting plate above the room ceiling with the opening of the supporting plate concentric with said ceiling opening, the head plate normally resting upon the supporting plate, means for telescoping said cylinders and elevating the same through the ceiling opening and through the supporting plate opening to position the table body adjacent to the ceiling and the telescoped cylinders substantially entirely above the ceiling, and a stop collar encircling said ceiling opening and disposed upon the underside of the ceiling to be engaged by the table body when the latter is at its maximum elevated position.

2,484,679
ELEVATOR DOOR LOCK
Joseph H. Berden, Toledo, Ohio, assignor to The Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio
Application June 5, 1946, Serial No. 674,564
1 Claim. (Cl. 187—31)



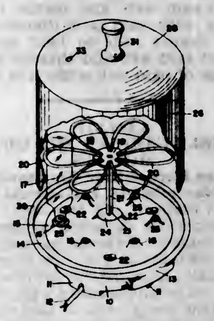
A lock for an elevator door consisting of upper and lower counterbalanced parts, said lock comprising a latch on one of said parts, a projection on the other part with which the latch may have locking engagement when the door is entirely closed, the projection having a vertical face of material extent engaging the latch as the door portions approach closed position and maintaining the latch out of locking position until the door is completely closed, and an interlocking safety switch having one contact in rigidly fixed relation to the latch and the other contact in fixed position in the elevator shaft, one of said two contacts having a vertically elongated contact surface, whereby identical switch operation occurs throughout an appreciable vertical variation of the meeting point of the door portions.

2,484,680
RAILWAY TRAIN COMMUNICATION AND ALARM SYSTEM USING MODULATED CARRIER CURRENTS
Paul N. Bossart, Cheswick, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 30, 1945, Serial No. 575,311
19 Claims. (Cl. 179—82)



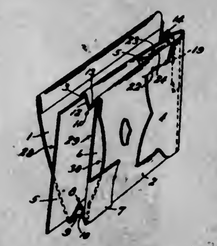
18. In a railway train communication system for telephone communication between the trains and selected wayside offices of a railway by use of a common transmitting medium and by the use of calling and telephone currents of a plurality of different carrier frequency channels, a communication station on each of the trains and at each of the offices, each said station provided with communication equipment all of which are substantially alike to enable any one of the stations to communicate with any other one of the stations; each said equipment including transmitting apparatus, receiving apparatus, selector means, a control circuit means, a loud-speaker and a telephone set; each said transmitting apparatus including a transmitter having means capable of being differently conditioned for supplying calling and telephone currents of any one of the plurality of different carrier frequencies, each said transmitter having an element coupled to the transmitting medium but normally inactive, each said receiving apparatus including an individual receiver for each of the different carrier frequencies, each said receiver having means operable to demodulate the calling and telephone currents of the respective carrier frequency, each said receiver having an element coupled to the transmitting medium and normally active, the receivers of each station having their outputs connected in multiple to the loudspeaker of the same station to enable each station to receive a call from any one of the other stations on any one of the carrier frequencies, each said selector means including a controller operable to different positions and circuits connected to said transmitter and receivers to select by its position and condition of the transmitter of the same station and to connect the telephone set to the receiver of the station for the carrier frequency corresponding to the carrier frequency of the selected condition of the respective transmitter, the loudspeaker being disconnected from the selected receiver but retained connected to the remaining receivers, and each control circuit means including a push-to-talk device to selectively activate the transmitter and the receiver to which the telephone set is connected.

2,484,681
STERILIZING DEVICE
Oliver H. Brewster, Essex Fells, N. J., assignor to Electrical Industries, Inc., Newark, N. J., a corporation of New Jersey
Application January 5, 1946, Serial No. 639,259
8 Claims. (Cl. 21—79)



1. A device for sterilizing an open-mouth receptacle with hot vapor comprising, a base having a fluid-container portion adapted to hold an electrically conductive fluid and to provide above said fluid a vapor chamber and having a second portion providing a vapor jet communicating with said chamber and directed exteriorly of said base, spaced electrodes in said fluid-container portion for engagement with said fluid and adapted to be connected to a source of electrical energy for vaporizing said fluid by the passage of electrical current therethrough, an apertured rack member supported by and in spaced relation to said base with the aperture thereof aligned with said vapor jet for engaging said receptacle at a circumferential region thereof, a hollow protuberance on said second portion and adapted to extend into the open mouth of said receptacle for restraining said receptacle against substantial lateral movement at the region of the mouth thereof and for co-operating with said rack member to support said receptacle with the open mouth thereof in register with said vapor jet and with said receptacle approximately aligned with the direction of vapor flow from said jet, whereby said vapor tends to flow from said jet centrally of said receptacle to the closed end thereof and then to flow along the walls of said receptacle and out of the open mouth thereof, and a cover co-operating with said base to provide an enclosure for confining said receptacle in said vapor.

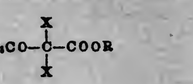
2,484,682
FLEXIBLE POCKET RECEPTACLE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application August 9, 1945, Serial No. 609,817
7 Claims. (Cl. 150—30)



3. In a billfold having a rear wall and a front wall assembly providing a bill compartment between them, said assembly including a panel member and a member intermediate the panel member and the rear wall, the panel member having a flap extending downwardly into the bill compartment between the rear wall and said intermediate member; an inwardly extending gusset connecting the upper edge of the panel member to said flap, an inwardly extending gusset connecting the lower edge of the panel member to the rear wall, the intermediate member being interlocked with said flap to slidably hold the upper and lower edges of the intermediate member, respectively, in the bight between the first gusset and the flap and the bight between the second gusset and the rear wall, and an end member extending from the end edge of the rear wall and folded over onto the panel member and interlocked therewith to close the outer end of the bill compartment and the outer end of the pocket formed between the intermediate member and the panel and to hold the gussets in said last-named pocket and limiting the degree of expansion allowed the outer ends of the gussets.

2,484,683
CYANOBUTENYL ACETOACETIC ESTERS
Herman A. Bruson, Rydal, Pa., assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 24, 1948, Serial No. 4,205
5 Claims. (Cl. 260—465.4)

1. As a new compound, a substance having the formula



wherein one X is the group

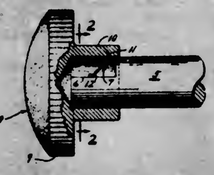
$$—CH_2—CH=CH—CH_2CN$$

the other X is a member of the group consisting of hydrogen and the

$$—CH_2—CH=CH—CH_2CN$$

group and R is an aliphatic hydrocarbon group.

2,484,684
DETACHABLE COUPLING
Alan P. Buffington, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 22, 1946, Serial No. 692,298
8 Claims. (Cl. 287—53)

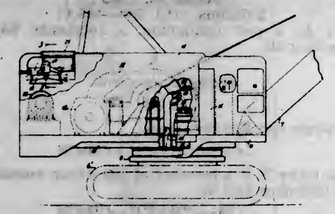


8. In a disconnectable coupling assembly, a pair of disconnectable elements, a coupling member interposed between said elements and having a relatively high friction surface portion normally bearing resiliently against one of said elements and preventing movements tending to disconnect said elements, and low friction means disposed out of contact with the said one element when said high friction surface-portion is in contact therewith, said elements being relatively rotatable through a small angle against the resilient pressure aforesaid, such rotation acting both to move said high friction surface-portion out of contact with the said one element and to bring said low friction means into contact therewith, whereby to provide for disconnection movements of said elements.

2,484,685
VENTILATED EXCAVATOR CAB
Will S. Burdick, Wauwatosa, and Henry S. Jacobs, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application April 19, 1945, Serial No. 589,188
3 Claims. (Cl. 98—33)

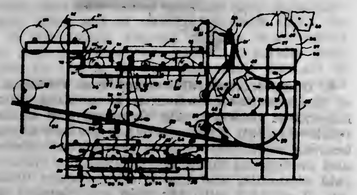
1. In an excavator having a cab enclosing its motive power operating units, an inlet opening through the wall of said cab, a filter interposed in said inlet opening, a fan disposed in said inlet opening adapted to draw air in through said inlet opening and to cause said air to flow through said filter and to discharge said filtered air within said cab against a pressure in excess of atmospheric pressure, housings for said operating units surrounding the same and having inlet openings

within said cab and escape passages extending to the exterior of said cab forming with said operating units cooling channels through which forced cooling streams of air are caused to pass in heat removing relationship to said operating units while escaping with a drop in pressure from said



cab when said fan is operating, said cab being substantially closed save for incidental openings and save for said filtered inlet opening and said flow resisting escape passages whereby an infiltration-precluding positive pressure is maintained within said cab when said fan is operating.

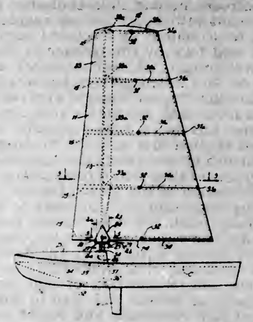
2,484,686
MACHINE FOR MAKING INSULATING BLANKETS
William B. Byers, Kansas City, Mo.; Willameta B. McDowell administratrix of said William B. Byers, deceased
Application September 3, 1946, Serial No. 694,545
17 Claims. (Cl. 154—27)



1. In a machine for making insulating blankets, a pair of adjacent rotatable members having spaced pockets provided at the periphery thereof, means for depositing fibrous insulating material in a loose fluffy condition into said pockets, means for feeding a continuous web of sheet material between said rotatable members in juxtaposition to said pockets and around portions of the peripheries of said rotatable members to deposit parcels of said loose fluffy material from said pockets on opposite sides of said web by gravity, means for engaging a web of sheet material with said first mentioned web on each side thereof, and means for securing said webs together to maintain said parcels in the positions in which the same were deposited.

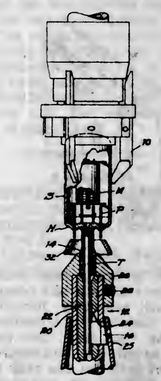
2,484,687
RIGID SAIL CONSTRUCTION FOR BOATS OR THE LIKE
William P. Carl, Jr., Hampton, Va.
Application August 30, 1945, Serial No. 613,494
6 Claims. (Cl. 114—163)

1. A rigid sail of symmetrical airfoil section for a boat or the like, having a trailing portion lying in the chord plane of the sail and whose angle with respect to airfoil chord may be varied, cable means secured to the trailing portion at a plurality of points for trimming the latter to either side of a normal position, sets of pivoted members to which said cable means are secured, and cable



means secured to said sets of pivoted members for operating the sets in opposite directions to secure effective airfoil cambering in the desired direction.

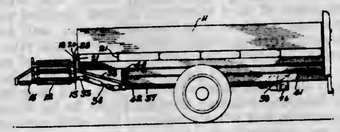
2,484,688
ADAPTER FOR SEALING-IN MACHINES
Clayton R. Cowley, Emporium, Pa., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application August 26, 1946, Serial No. 693,146
9 Claims. (Cl. 49—2)



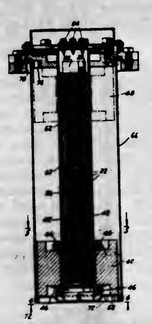
2. In a machine for sealing a shell to a glass header having a central axial tubulation, a spindle comprising a hollow case for encasing the tubulation, and means forming a conical annular passage directing heating and cooling gases from a source lateral of the spindle toward the end of the case at the junction of the header with its tubulation.

2,484,689
MATERIAL UNLOADING AND CONVEYING MECHANISM FOR TRUCKS
Joseph W. Davis, Bloomington, Ill., assignor of one-half to Beatrice Davis, Bloomington, Ill.
Application June 16, 1945, Serial No. 599,933
19 Claims. (Cl. 214—83.26)

1. In a material hauling truck having a power plant and a tiltable body, a conveyor having a frame hinged transversely to the rear of the tiltable body, means connecting said conveyor with said body and truck for automatically maintaining said conveyor in continuously horizontal position in all positions of said body and drive means for said conveyor driven by said power plant.

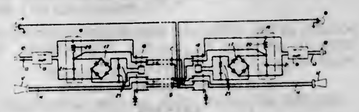


2,484,690
ELECTRIC LIQUID LEVEL INDICATING DEVICE
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application July 24, 1947, Serial No. 763,426
9 Claims. (Cl. 201—48)



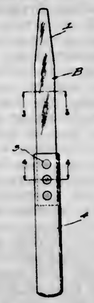
1. In a liquid level indicator for a tank, an electrical transmitter, comprising an electric resistor, a series of contact means adjacent to said resistor and respectively arranged at intervals along its length, a common electric conductor spaced from said resistor, each of said contact means comprising a flexible member having one portion fixed in position and having a normal position in which it does not make electrical contact between said resistor and said common conductor and also having a flexed position in which at least part of such contact means is flexed within its elastic limit to make electric contact between a predetermined point respectively of said resistor and said common conductor, each of said contact means including at least a portion which is of magnetic material, a magnet movable in a predetermined path substantially parallel to said resistor and arranged to flex at least one of said contact means adjacent thereto to cause it to make electrical contact between said resistor and said common conductor, and means responsive to the liquid level in said tank for moving said magnet in its path to a position which is a function of the liquid level.

2,484,691
LOUD-SPEAKING COMMUNICATION SYSTEM
Paul E. Demers, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 14, 1946, Serial No. 647,595
11 Claims. (Cl. 179—1)



1. In a loudspeaking intercommunicating system, a first station, a second station, a normally discontinuous line extending between said stations, a speech transmitter at said first station, means at said first station for dividing the frequency band of speech signals impressed on said transmitter into two subbands, and means selectively responsive to the frequencies of one subband for rendering said line continuous and for projecting the other subband of frequencies thereover.

2,484,692
EGG SHELLER
Henry H. De Luce, Minneapolis, Minn.
Application March 22, 1946, Serial No. 656,232
2 Claims. (Cl. 30—346)



1. An implement of the character described comprising a handle, and a relatively long flexible blade secured to the handle at one end and extending longitudinally thereof, said blade comprising a relatively wide thin strip of material having opposite straight parallel longitudinal edges through the major portion of its length from the handle and then tapering in width toward its free end, the tapered edge portions terminating short of intersection one with the other and the free end of the blade having a straight narrow edge perpendicular to the length of the blade.

2,484,693
TUBULAR GASKET
Walter M. De Witt, Sr., Somerville, N. J., and Milton K. Cumming, Bronxville, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 10, 1947, Serial No. 740,646
3 Claims. (Cl. 288—10)

3. A gasket comprising a resilient metal tube of substantially uniform diameter connected at its ends to define an endless ring, the connection

comprising a tapered socket portion in one of said ends and a complementally tapered spigot



portion at the other end and means securing said tapered portions in lapping engagement, and resilient means filling the tube.

2,484,694
TWO-PART BREECH CLOSING MECHANISM FOR REPEATING FIREARMS
Allen A. Dicke, Upper Montclair, N. J.
Application February 9, 1945, Serial No. 576,967
3 Claims. (Cl. 42—18)



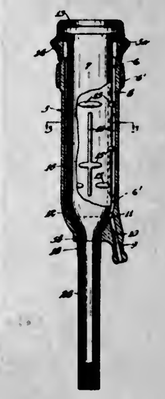
1. In a breech-loading firearm, in combination, a receiver provided with two diametrically opposed bolt-lug engaging abutment faces; a breech closing mechanism comprising a non-rotary bolt carrier and a rotary bolt formed with two diametrically opposed locking lugs, helically connected to said carrier, the said bolt carrier and bolt being reciprocable within said receiver from a rearward position to a forward position where the bolt has been rotated to locked position by said helical connection, the bolt carrier being formed with two diametrically oppositely extending guide projections, corresponding guide recesses formed in the receiver within which said projections fit, whereby the carrier is held against rotation, the lugs on the bolt being so arranged that they align with and extend into said guide recesses when the bolt is in unlocked position so that the bolt is held against rotation during the reciprocation of the bolt within the receiver, said helical connection comprising a pin carried by the bolt carrier within and extending through the said guide projections.

2,484,695
CONCRETE FLOOR CONSTRUCTION
Ralph L. Dickey and Henry M. Beatty, Shaker Heights, Ohio, assignors to The Kelley Island Lime and Transport Company, Cleveland, Ohio, a corporation of Ohio
Application May 30, 1944, Serial No. 538,048
3 Claims. (Cl. 72—70)



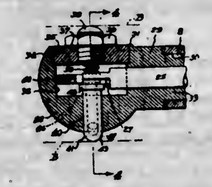
1. In a floor construction, a structure comprising a plurality of elongated members formed of expanded metal and having transverse web and depending side wall portions defining an upwardly arched cross-sectional shape, said members being disposed in contiguous substantially parallel relation with side wall portions of adjacent members defining concrete-receiving channels therebetween and the side wall portions with the web forming intervening voids, the transverse webs of said members having doubled portions intermediate said depending side wall portions and forming depending longitudinal ribs of a depth substantially equal to the depth of said depending side wall portions, a facing of imperforate sheet material connected to said members and disposed relative thereto so as to lie closely adjacent to but wholly beneath the said members and to substantially follow the cross-sectional shape defined by said web, rib and side wall portions, and a slab of concrete extending over said voids and substantially filling said channels, said members being adapted to be supported so as to initially constitute a mold for said concrete in which said longitudinal ribs support said transverse web portions at an intermediate point thereof and said imperforate sheet material forms a retainer for the concrete and said members being permanently united to the underside of said slab by being partially embedded therein.

2,484,696
TEAT CUP
Laurits Dinesen, Minneapolis, Minn.
Application February 7, 1944, Serial No. 521,297
1 Claim. (Cl. 31—85)



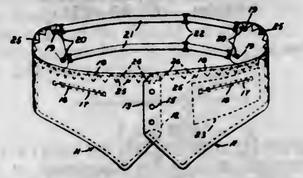
A teat cup for milking machines comprising a rigid tubular outer shell and an inflation in the nature of an elastic teat-receiving inner tubular shell, said inflation being open at its upper end to receive a teat and being formed at its lower end to provide an elastic integral milk tube extending through and beyond the outer shell, the inflation and rigid outer shell being connected at their opposite end portions to form air tight joints and being spaced apart intermediate said end joints to afford an annular air chamber therebetween, said outer shell being provided adjacent its lower end with an integral upwardly and inwardly directed flange forming an annular channel that opens upwardly into the said annular outer chamber, and said outer shell being provided with an air port opening therethrough into said upwardly opening annular channel, whereby to maintain communication between said port and said annular outer chamber under conditions of undue expansion of the inflation toward said port.

2,484,697
FEELER HEAD FOR BORE GAUGES
Andrew Eisele, Detroit, Mich.
Application April 2, 1945, Serial No. 586,096
3 Claims. (Cl. 33—178)



2. In a bore gauge, a tubular shank having one end adapted to be connected to a dial indicator, a partially spherical gauge head mounted on the other end of said shank, said head having a cavity therein and a plurality of bores extending from said cavity to the outside of said head, a motion-transmitting rod extending through said shank with one end projecting through one of said bores into said cavity and the other end projecting from said shank for connection to said indicator, a movable feeler contact pin extending outward through another of said bores with its inner end engaging the end of said motion-transmitting rod, a pair of centering pins mounted in a pair of said bores one on each side of the movable contact pin, an approximately U-shaped bridge member interconnecting said centering pins and partially encircling the end of said motion-transmitting rod, a spring in said head yieldingly engaging said bridge member and urging said centering pins outwardly of said head, and a stationary contact pin projecting outwardly from said head in the opposite direction from said movable measuring pin and in alignment therewith, the longitudinal axis of said motion-transmitting rod and said bridge member being disposed substantially in a common plane, with the end of said rod projecting into the open side of said bridge member between the ends thereof, said bridge member and said motion-transmitting rod being disposed substantially in a diametral plane of said partially spherical gauge head.

2,484,698
VEST OR WAISTCOAT
Charles Emms, London, England
Application August 1, 1947, Serial No. 765,395
In Great Britain June 17, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 17, 1959
2 Claims. (Cl. 2—102)



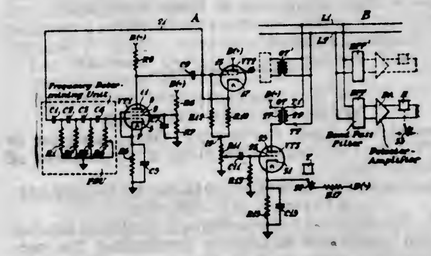
1. A vest or waistcoat comprising a front portion in a single piece of thin and pliable fibrous material, said front portion having an excess portion of material midway of its length of reduced width, the portions of the material adjacent said excess portion being folded into overlapping relation with said excess portion along parallel lines, providing three layers of material, said excess portion and said overlapping portions each having a row of button holes therein, the rows of button holes being in register and parallel to the parallel fold lines, imitation stitches extending around the margins of said material portions adjacent said excess portion, said material portions having each a pocket slit therein, said piece having a pair of holes at each end thereof, and a pair of fastening bands, formed with hooks at their opposite ends for being received in said holes.

2,484,699
LAWN MOWER SHARPENER
Harold E. Feder, Union, N. J.
Application May 14, 1947, Serial No. 747,900
5 Claims. (Cl. 76—82.1)



1. A device for sharpening the revolving blades of a lawn mower having a fixed striker blade, said device comprising an elongated base member having a longitudinal slot formed therein for connection to the striker blade housing of the lawn mower, an elongated cutter holder, a cutter mounted on the front face thereof, said cutter holder being resiliently connected to said base member, so as to be in normally substantially horizontal alignment with said base member, said resilient connection comprising a series of short, resilient, metallic dowel devices spaced along and connecting the base member to the cutter holder, a bracket connected to said base member and extending over the rear portion of said cutter holder, a manually operated, vertically adjustable member maintained by said bracket and bearing against the rear portion of said cutter holder whereby the cutter holder may be depressed thereby against the action of said resilient dowel devices.

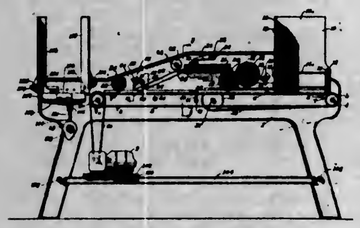
2,484,700
TRANSMITTER FOR CODE COMMUNICATION SYSTEMS
David P. Fitzsimmons, Trafford, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 8, 1948, Serial No. 19,655
5 Claims. (Cl. 177—380)



1. In combination, an electron tube amplifier having a cathode, a grid and a plate, an output circuit for said tube extending from the plate of said tube through an impedance element to the positive terminal of a direct current source and from the cathode of said tube through a biasing resistor and condenser in parallel to the nega-

tive terminal of said source, an input circuit for said tube comprising a source of alternating current of substantially constant amplitude and frequency connected between the grid of said tube and said negative terminal, and keying means for at times causing said tube to be conductive to supply amplified alternating current to said output circuit and at other times causing said tube to be non-conductive, said keying means comprising a transmitting contact which in one position completes a connection from the cathode of said tube to the positive terminal of said source through a series resistor to supply a positive potential to the cathode of said tube, the parts being so proportioned that the tube is rendered nonconducting when said positive potential is supplied to the cathode and is rendered conducting when said connection is interrupted, said biasing resistor and condenser having a selected time constant for predetermining the rise and fall of the voltage of the direct current supplied to the cathode of said tube in response to the periodic operation of said transmitting contact.

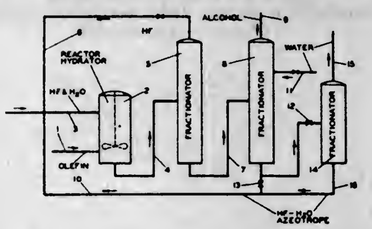
2,484,701
BOX HEAD LABELER
Melvin W. Flynn, San Francisco, Calif.
Application June 19, 1945, Serial No. 600,295
11 Claims. (Cl. 216—52)



11. In a machine of the type described, means for holding a stack of labels, means for removing one label at a time from the stack, label-positioning and holding means cooperating with the label removing means for holding the label in a predetermined position, means for moving a member under the label-holding means and including means for releasing the label-holding means from the label when the member is in a position to receive the label, means for pressing the label down upon the member for causing it to adhere thereto, and means for preventing the label-removing means from removing a label from the stack until said member-moving means moves a member to receive the label.

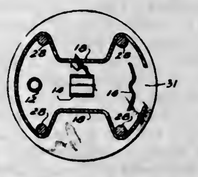
2,484,702
HYDRATION OF OLEFINS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 10, 1944, Serial No. 521,833
8 Claims. (Cl. 260—640)

1. A process for preparing an aliphatic alcohol which comprises intimately contacting the corresponding olefin in a reaction zone with a solution consisting of hydrogen fluoride and water and containing from 10 to 70 weight per cent hydrogen fluoride, controlling the quantity of solution and olefin present in the reaction zone so as to maintain a molecular ratio of hydrogen fluoride to olefin of 1:1 to 10:1, maintaining the temperature of the olefin and solution in the range from 0° to 250° C. for a time sufficient to convert olefin to alcohol, and recovering from



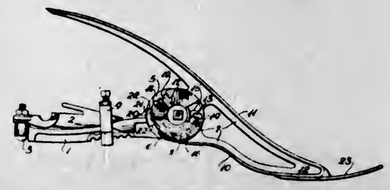
effluents of said reaction zone an aliphatic alcohol so produced.

2,484,703
THERMIONIC DISCHARGE DEVICE
Forrest E. Gehrke, Flushing, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application July 1, 1948, Serial No. 36,333
11 Claims. (Cl. 250—27.5)



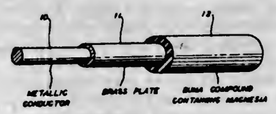
9. A gas discharge tube including a hermetically sealed casing containing an ionizable gas, a thermionic cathode, a control electrode, an anode, and a shield electrode within said casing, said shield electrode enclosing a pair of enlarged chambers connected by a narrow passage, said cathode being in one of said chambers and said anode in the other chamber, and said control electrode being in said narrow passage, said control electrode being in the form of a flattened loop of strip material having the width of said material parallel to the walls of said passage.

2,484,704
PICKUP ASSEMBLY
Edward P. Girodat, Gull Lake, Saskatchewan, Canada, assignor of fifty per cent to Phillip Hyman, Gull Lake, Saskatchewan, Canada
Application February 10, 1947, Serial No. 727,474
In Canada March 31, 1944
1 Claim. (Cl. 56—312)



A pick-up assembly for attachment to cutting-bar guards, comprising in combination a forwardly projecting bracket secured to said guard, a circular two-part hub, one part of which is stationary and integral with one end of said bracket, a pick-up element, the other end of said hub being rotatable and integral with said pick-up element, means for holding said two-part hub rotatably together, a runner curving forwardly and downwardly from said hub, said runner constituting part of said pick-up element and being integral with and projecting forwardly from the rotatable part of said hub, a carrying arm diverging rearwardly and upwardly from the forward end of said runner, an upwardly curved deformable extension finger projecting forward from the junction of said runner and said carrying arm, a semicircular housing portion between the two parts of said hub, opposing abutments terminating said housing, one of said abutments being integral with the stationary part of said hub and the other integral with the rotatable part, a cushioning spring within said housing of a length less than that of said housing, the rotatable part of said hub being freely movable without resistance thereagainst by said spring when said runner attached thereto is in ground contacting position, the junction of said runner and said carrying arm lying in a plane below the lowermost peripheral limit of said hub when in situ and when the associated cutter-bar is lying in or below a horizontal plane.

2,484,705
METHOD OF IMPROVING THE ADHERENCE OF INSULATING COMPOUNDS TO METALS AND PRODUCTS RESULTING THEREFROM
Alvin N. Gray, Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1945, Serial No. 618,552
12 Claims. (Cl. 117—128.7)

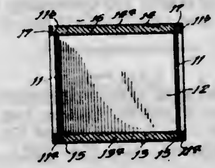


1. The method of improving the adherence to bodies having at least one copper alloy surface of vulcanizable compounds in which the essential vulcanizable constituent is a copolymer of butadiene and styrene, which comprises incorporating magnesia in such a compound, placing a quantity of the magnesia-containing compound in contact with the copper alloy surface of such a body, and vulcanizing the latter compound while in contact with said surface, the amount of magnesia incorporated in said compound being sufficient to cause the compound to adhere to the metallic body with greater tenacity than would a similar compound devoid of magnesia but not more than about 5% of the amount of the copolymer present therein.

2,484,706
ACYLATION OF DICHLOROTHIOPHENE
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 17, 1946, Serial No. 716,876
7 Claims. (Cl. 260—329)

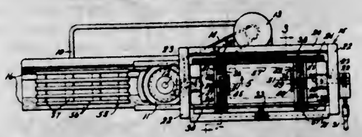
1. A process for converting a dichlorothiophene by nuclear acylation thereof into an acyl monochlorothiophene comprising reacting said dichlorothiophene with an acylating agent in the presence of phosphoric acid.

2,484,707
BURIAL BOX
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert Manufacturers Association, Forest Park, Ill., a corporation of Illinois
Application September 28, 1945, Serial No. 619,124
1 Claim. (Cl. 72—7)



A sectional burial box comprising a plurality of similarly formed cementitious base sections aligned with each other in abutting relationship, each section having a transverse groove formed therein adjacent the free marginal edges thereof, the grooves of the aligned sections being in alignment with one another and constituting a spaced pair of continuous side wall receiving grooves, each groove having a vertically disposed inner wall, a flat base surface of a width corresponding to the width of the edge of a side wall to be received therein, and an angularly disposed outer surface defining a space between the outer surface of the side wall housed in the groove, a pair of relatively light weight one-piece side wall sections, each corresponding substantially in length to the total length of the base, said sections being disposed vertically in the said grooves in the base with the inner wall of each section abutting the inner wall of each groove, a pair of opposite end walls having internal vertical grooves complementary in shape to the first mentioned grooves adjacent the opposite side edges thereof, the respective ends of the side walls being received within the grooves of the respective end walls, and a sectional top comprising a plurality of similarly formed sections each having a groove adjacent the opposite edges corresponding in shape to the first mentioned grooves, said top sections being disposed upon the side wall sections with the grooves in the top receiving the upper edges of the side wall sections, each of the component elements of the box being of such weight that a single workman may handle the same and the angularly disposed surface of each groove facilitating ready assembly of the component sections.

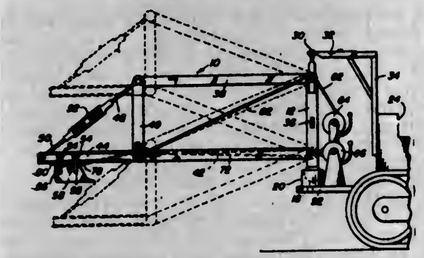
2,484,708
WORK SUPPORTING CRADLE FOR GRINDING MACHINES
Francis P. Healy, Springfield, Mass., assignor to Van Norman Company, Springfield, Mass., a corporation of Massachusetts
Application April 16, 1948, Serial No. 21,517
6 Claims. (Cl. 51—122)



3. In a surface grinding machine having a rotatable grinding wheel, a loading platform at one side thereof, a work carriage reciprocable over the loading platform and grinding wheel, said carriage including a rigid cradle frame having side and end members spaced above the loading platform, a work supporting cradle, having

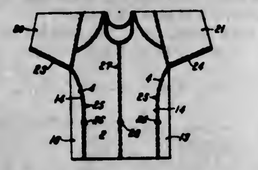
side and end members, mounted in said frame for rotation about a horizontal axis extending in the direction of movement of the carriage substantially parallel to and spaced above the surface of the loading platform and intersecting the axis of rotation of the grinding wheel substantially at right angles, and means carried by the side members of the cradle for releasably clamping a work piece, resting on the platform, to the cradle.

2,484,709
APPARATUS FOR TRENCHING
Alton B. Heath, Tipton, Ind.
Application July 7, 1948, Serial No. 37,465
3 Claims. (Cl. 214—102)



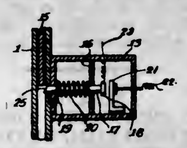
1. An apparatus for trenching ditches at a predetermined slope comprising a post, means for swivelling said post to a tractor, means for indicating a vertical position for said post, a pair of upper members pivoted to said post, a pair of lower members pivoted to said post, pitmans connecting said upper members to said lower members, said pitmans being parallel to said post at all times during the raising and lowering of said upper and lower members, means for selectively raising and lowering said upper and lower members and said pitmans, means for adjustably swinging said upper and lower members and said pitmans, a guide carried by said lower members, a ground engaging member slidably carried by said guide, and means adjustably bracing and retaining said guide at a predetermined angle relative to said pitmans during raising and lowering of said upper and lower members.

2,484,710
CHILDREN'S UNDERGARMENT
Wilma Davis Humphlett, Agawam, Mass., assignor to Malone Knitting Company, Springfield, Mass., a corporation of Massachusetts
Application July 31, 1947, Serial No. 765,068
5 Claims. (Cl. 2—111)



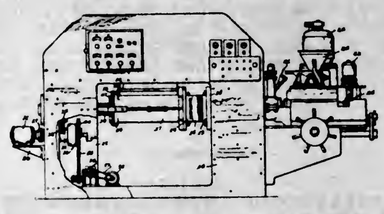
3. A shirt type garment comprising a front element and a back element each having shoulder portions, said elements being stitched together at said shoulder portions, and sleeve members stitched to the front and back elements at the outer edges of said shoulder portions, the body portion of the front element being of less width than the flattened width of the garment, the width of the body portions of the back element being equal to the flattened width of the garment and having side extensions extending forwardly and inwardly to complete the width of the front of the garment, each extension and the adjacent edge of the front element, and the under arm edges of the adjacent sleeve member being respectively united by a continuous stitched seam extending from the lower edge of the front of the garment to the outer end of the adjacent sleeve, said seams having buttons attached thereto and providing suspender like reinforcements for the support of lower garments attachable to said buttons.

2,484,711
COIN-CONTROLLED SWITCH
Norman M. Jackson, Washington, D. C., assignor of one-half to Walter Johnson, Washington, D. C.
Application May 15, 1944, Serial No. 535,686
1 Claim. (Cl. 194—9)



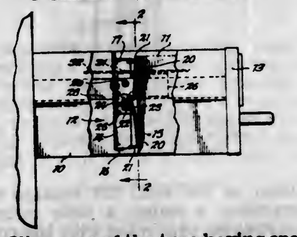
In a coin controlled device, a coin chute, a switch box at a side of said chute, a stationary contact in said box, a guide in said box, a movable contact, a stem for the movable contact slidable through the guide and the inner side of the box with its end passing through registering openings formed in the box and a wall of the chute, a collar about said stem, and a spring about said stem confined between the guide and the collar and yieldably holding the stem in its normal position with its end protruding into the chute, said stem having a bevelled inner end whereby a coin deposited in the chute will move the stem outwardly and move the movable contact into engagement with the stationary contact.

2,484,712
MOLDING MACHINE
Conrad Jobst, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 6, 1945, Serial No. 603,448
18 Claims. (Cl. 18—16)



14. A molding machine comprising a pair of die plates having meeting faces, a frame on which one said die plate is mounted, a carriage on which the other plate is mounted, said carriage being mounted for reciprocation for moving the movable die plate to and from a closed position, a driving element mounted to reciprocate with the carriage, spring means forming a driving connection between the said driving element and the carriage, a main electric motor geared to said driving element and operating through the latter to move the carriage and close the dies, an auxiliary electric motor, gearing including a clutch providing driving connection between the auxiliary motor and said driving element, an electromagnet, means operable thereby for operating the clutch, and means operable by the take-up movement of said driving element when the die is closed for closing a circuit for the electromagnet and thereby operating the clutch and effecting a driving connection between the auxiliary motor and said driving element.

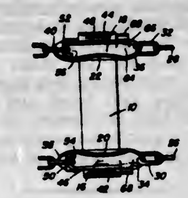
2,484,713
COMPRESSOR FOR FILING DEVICES
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application December 7, 1944, Serial No. 566,982
5 Claims. (Cl. 129—28)



1. In a filing case of the type having spaced side walls with inwardly opening grooves on their inside faces and rack teeth on a horizontal wall of each groove, the combination therewith of a compressor partition disposed between said walls, movable forwardly and rearwardly and having front and back plates spaced apart to form a chamber between said plates, a shaft rotatably supported on said back plate and extending across said chamber into said grooves, a pinion fixed on each end of said shaft and in said grooves and meshing with said rack teeth, a ratchet wheel fixed on said shaft and disposed in said chamber, a latch plate mounted to slide vertically on said back plate, a spring bearing at one end on said back plate and at the other end thereof against said latch plate in a direction to yieldingly urge said latch plate upwardly, a tongue on said latch plate extending into position to engage said ratchet teeth, said back wall of said partition having a forwardly extending flange at the upper portion thereof forming a top wall of said partition and having an aperture therein, the upper end of said latch plate extending upwardly through and slidably guided in said aperture for vertical movement, said upper end when depressed moving said latch plate to move said tongue out of engagement with said ratchet wheel, and a pair of forwardly extending seat members secured to said back plate and to which said front plate is secured intermediate of the upper and lower ends thereof, said front plate being of resilient material with its upper and lower portions extending forwardly to engage and yieldingly press against filed articles in said case.

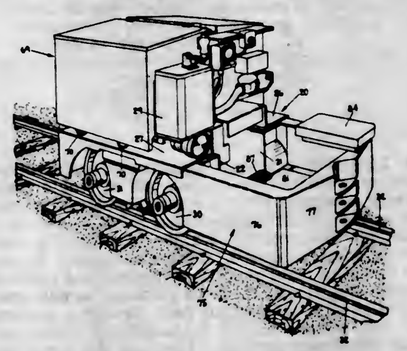
2,484,714
TIRE CHAIN CLIP
Charles F. Kapp, Verona, Pa.
Application October 20, 1947, Serial No. 780,951
3 Claims. (Cl. 152—213)

1. A tire chain clip comprising a pair of circumferential chains placeable on opposite sides of a tire, longitudinally spaced cross chains carried by said circumferential chains, an arcuate member embracing the periphery of a tire, means for anchoring one end of each of said circumferential chains to said member, a pivotal latch carried by said member for lockably engaging a selected link adjacent the free extremity of said circumferential chains, and means carried by said



arcuate member for holding said latch in a locked position, said last mentioned means including a pair of resilient jaws carried by said member for yieldingly retaining said latch in a locked position.

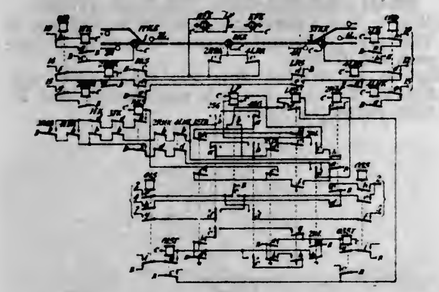
2,484,715
BRAKE MECHANISM FOR RAIL CARS
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application July 21, 1945, Serial No. 606,327. Divided and this application May 17, 1948, Serial No. 27,551
2 Claims. (Cl. 188—52)



1. A locomotive having a main frame, a pair of front wheels and a pair of rear wheels supporting said main frame, and brake mechanism for said wheels, said brake mechanism including a foot operated lever pivoted to said main frame, a shaft extending transversely of said main frame, a pair of torsion tubes carried upon said shaft, equalizing means interconnecting adjacent ends of said torsion tubes including arms extending therefrom and cross-head means interconnecting said arms, a turnbuckle link connecting said cross-head means and said foot operated lever, a brake shoe for each of said wheels, said brake shoes for the wheels on each side of said main frame being operated in pairs by similar linkage mechanisms from said torsion tubes and each brake shoe being pivotally mounted to said main frame to swing against one of said wheels, each of said linkage mechanisms including an arm rigidly carried upon the end of one of said torsion tubes opposite the equalizer arm thereon, a lever pivoted to one of said brake shoes, a link pivoted to said lever adjacent said one end thereof and pivoted at its opposite end to said other brake shoe, and a link pivotally connected to the other end of said lever connect-

ing said arm on said torsion tube whereby when said foot operated lever is moved to apply the brakes braking force is divided between said torsion tubes by said equalizing means and all of said brake shoes are swung against their respective wheels with substantially equal force, a hand operated lever for applying said brakes, said lever being pivoted to said main frame, and a linkage means including a lost motion connector means connecting said hand and foot operated levers for operating the latter, said lost motion connector means permitting operation of said foot operated lever independently of said hand operated lever.

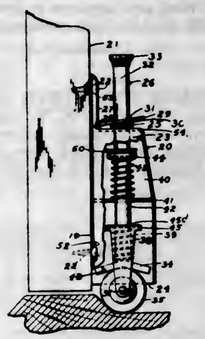
2,484,716
RAILWAY TRAFFIC CONTROLLING APPARATUS
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 12, 1946, Serial No. 640,753
8 Claims. (Cl. 246—3)



4. Direction selecting apparatus for controlling traffic movements over a stretch of single track railway equipped with a reversible signaling system, a two position directional relay at a control office for designating traffic direction, a code communication system for transmitting manually initiated control codes reflecting the position of said directional relay to stations at the ends of the stretch to control said signaling system, and for automatically transmitting indication codes from said stations reflecting the condition of occupancy of the stretch to control indication relays at the office, a normally deenergized direction locking relay, circuits including manually operable contact means for operating said directional relay from either of its two positions to the other position effective only when said direction locking relay is energized, and a circuit for energizing said direction locking relay including said manually operable contact means and contacts of said directional relay closed in non-corresponding positions and also including contacts of said indication relays which when closed indicate that the stretch is not occupied.

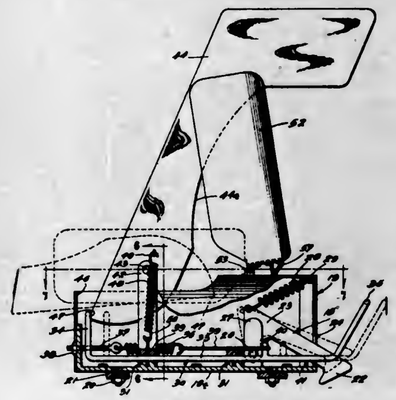
2,484,717
DOOR CHECK
Ewald Loehr and Edward G. Sprink, Milwaukee, Wis.
Application July 26, 1946, Serial No. 686,512
3 Claims. (Cl. 292—178)

1. A door check comprising an upright casing in the form of a shell open at the bottom and closed at the top and having a central partition between its ends, a push rod mounted for axial displacement in guide openings furnished in said top and in said central partition, the rod having a portion of its upper end projecting beyond said top, means for yieldingly urging the rod upwardly, a stop limiting the upward movement of the rod, exteriorly located means for arresting upward movement of the rod, a compressible element connected with the lower end of the rod and projecting beyond the



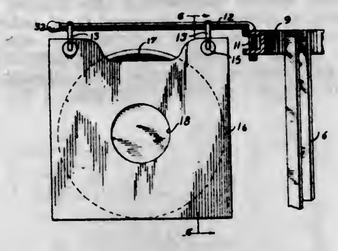
open bottom of the shell for contact with the floor comprising a roller, a yoke carrying the roller and slidably connected with the rod, yieldable means connected between the yoke and the rod and normally urging the yoke and roller upwardly, and a brake-shoe carried upon the lower end of the rod and having yielding contact with the periphery of the roller.

2,484,718
RURAL MAILBOX
David F. McCullar, Townley, Ala.
Application April 3, 1946, Serial No. 659,385
17 Claims. (Cl. 232—34)



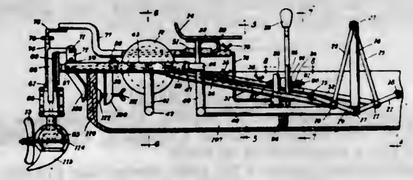
1. A mail box for rural districts, comprising a container open at one end, a door hinged to the container and closing said opening, mechanical means on top of said container including a latch member tending to hold said door in closed position, a pivoted signal element on the container, a manually operated releasing device for said latch member, and means operating to shift the signal element from signaling to non-signaling position upon actuation of the latch releasing device.

2,484,719
RACK FOR PHONOGRAPH RECORDS
Lee McGuire, Lexington, Ky.
Application December 20, 1945, Serial No. 636,122
2 Claims. (Cl. 211—40)



1. A phonograph record holder comprising a stand including a pair of spaced similar upper and lower annular members, posts attached directly to and supporting the members in a horizontal position, arms pivoted to the upper member for horizontal swinging movement, and means for suspending one or more records from the arms.

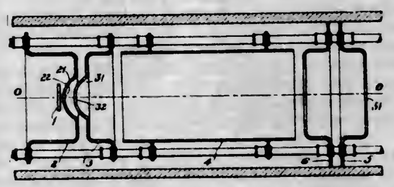
2,484,720
FOOT-POWER PROPELLER
Anthony Montalbano, Baton Rouge, La.
Application November 17, 1947, Serial No. 786,350
5 Claims. (Cl. 115—25)



1. A foot propelled propeller operating mechanism comprising a frame, means removably mounting the frame on a boat or the like, a propeller housing suspended at one end of the frame, a hub pivotally mounted on the frame in which the propeller housing is pivotally mounted, a seat for an operator mounted on the forward part of the frame, means turning the propeller housing in the said hub from a position adjacent the said seat, foot pedals operatively mounted in the frame at a point in front of the said seat, a propeller carried by the said propeller housing and means rotating the propeller as the foot pedals are operated.

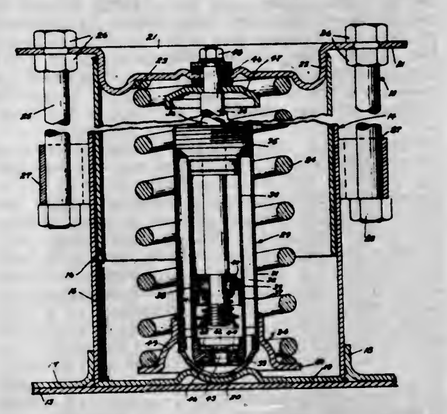
2,484,721
ELECTRODE GUN SUCH AS IS USED IN CATHODE-RAY TUBES
Hilary Moss, London, England, assignor to A. C. Cossor Limited, London, England, a British company
Application January 26, 1948, Serial No. 4,366
In Great Britain March 14, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 14, 1962
8 Claims. (Cl. 250—155)

6. A cathode ray tube having an electron gun arrangement including a cathode for generating a stream of electrons and electrostatic means for focussing said stream, said electrostatic means including an apertured disc control electrode having a cup portion surrounding the aperture thereof and disposed with its convex side adjacent said cathode, and an apertured disc first anode having a cup portion surrounding the aperture therein and disposed with its convex portion within the cup portion of said control electrode, and means forming a unipotential lens for converging said stream to a fine



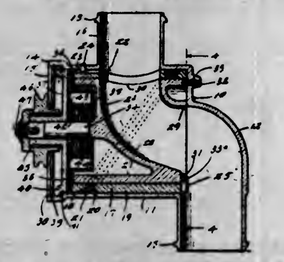
spot including in succession a tubular second anode, an apertured decelerating electrode and an apertured final anode, said decelerating electrode and final anode being cup-shaped and having their cupped sides adjacent one another, and means for preventing said stream from impinging on the intermediate electrode of said lens.

2,484,722
SPRING SEAT CONSTRUCTION
John M. Nickelsen, Ann Arbor, and Charles E. Read, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,642
2 Claims. (Cl. 155—52)



1. A vehicle seat construction comprising a seat carrying member, a support for the seat carrying member, a pedestal extending between the member and support comprising telescopically engaged tubes, means normally urging the tubes to their extended positions including a compression coil spring positioned in the pedestal in concentric relation to the axis of the tubes and having the opposite ends respectively reacting on the upper end of the uppermost tube and on the support, means determining the elevation of the seat carrying member including stops extending laterally outwardly from opposite sides of the lowermost tube and vertical rods having the upper ends anchored on the seat carrying member and having adjustable abutments on the lower ends respectively engageable with the stops in the extended position of the pedestal.

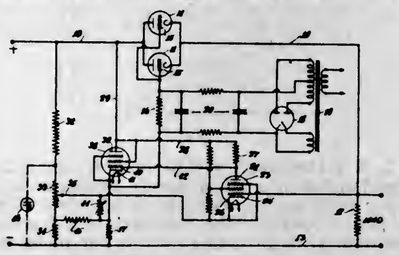
2,484,722
DRAIN VALVE
Edwin F. Pain, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application April 15, 1944, Serial No. 662,265
2 Claims. (Cl. 251—95)



1. A valve structure comprising a housing having a cylindrical chamber connecting a pair of tubes provided and arranged as inlet and outlet ports therefor, having offset center lines relative to each other, said chamber being also formed with a central opening with a cover wall formed as an extension of the chamber of greater inside diameter and provided with an annular groove, one of said tubes being formed as an elbow having a radius adapted to effect centering of the tube passage adjacent the chamber relative thereto, with the other of said tubes opening into said chamber at right angles relative thereto, a bearing sleeve slidably mounted inside the chamber having an aperture formed in the side thereof in registry with the tube opening into the chamber at right angles, said sleeve being formed in two parts with adjacent edges angularly displaced relative to the center line of the chamber to bisect the center line of the tube entering at right angles, with each of said adjacent edges being cut back along the outer periphery thereof to provide opposed annular shoulders, an annular T-shaped seal in engagement between said two parts of the sleeve with the stem portion thereof extending toward the axis of the chamber and the opposed top portions seated on said shoulders, a cylindrical valve body rotatably mounted within the sleeve having a passage formed at substantially the same radius as that of said elbow and adapted for registry therebetween in a fully open position, to form a passage of uniform dimensions between the said tubes, said valve body being provided with rotation means comprised of a centered stem formed as an extension of said valve body rotatably carried by a cover mounted over the central opening of the chamber with its outer periphery positioned adjacent to the cover wall, a retainer ring positioned in the cover wall groove in engagement with the cover, an apertured cup encircling the valve stem with the rim thereof in engagement with the sleeve, a stem seal means positioned around the stem in engagement with the cover, and a coil spring bottomed in said cup acting against said stem seal for cooperatively urging the sleeve inwardly of the chamber and the stem seal outwardly against the cover.

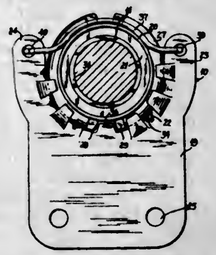
2,484,724
VOLTAGE REGULATOR WITH SECONDARY SOURCE OF POTENTIAL
Lionel P. Paradise, New York, and Werner F. Auerbacher, Brooklyn, N. Y., assignors to Radio-Television Institute, Inc., New York, N. Y., a corporation of New York
Application August 1, 1944, Serial No. 547,600
20 Claims. (Cl. 323—22)

1. A regulating circuit for insertion in a load circuit carrying D. C. current comprising regulating means adapted to be connected in series in and form a part of the load circuit including at least one regulating electronic discharge tube, each having a plate, control grid and cathode, impedance means connecting the control grid to neutral, a secondary source of D. C. potential connected across at least a portion of said impedance means to apply a negative potential to the control grid of the regulating means; and a control circuit controlling the grid of the reg-



ulating discharge means in a direction opposite from that of the potential variations of the load circuit including means to amplify the variations in potential of the load circuit on the output side of the regulating discharge tube, means connected with the amplifying means and the control grid of the regulating means to present the amplified voltage variations of the load circuit to the control grid of the regulating means, and means to regeneratively feedback the voltage variations to the amplifying means.

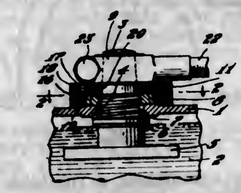
2,484,725
SHAFT BEARING
Clarence E. Parker, Painesville, Ohio, assignor to The Coe Manufacturing Company, Painesville, Ohio, a corporation of Ohio
Application January 29, 1945, Serial No. 575,053
7 Claims. (Cl. 308—22)



6. A shaft bearing comprising, a bracket in the form of a generally flat sheet metal plate having a pair of spaced arms and a substantially semicircular recess therebetween, sheet metal elements connected with the portion of the plate which defines the edge of said recess and said elements lying immediately adjacent but on opposite sides of the plane of said plate, said elements extending substantially radially of said recess and projecting beyond the edge thereof so as to cooperate with said plate portion in defining an arcuate groove, a case received in said recess and having bearing means therein for supporting a movable shaft and an external rib engaging in said groove, said bracket and rib having cooperating lug and slot elements for holding said case against rotation while the rib is engaged in said groove but adapted to be disengaged to permit

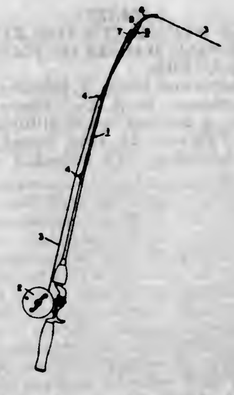
arcuate adjustment of the case in said recess, and a retaining member connected with the arms of said bracket and spanning said recess for retaining said case therein.

2,484,726
TERMINAL PROTECTOR
Joseph J. Paterno, Salem, Mass.
Application July 18, 1947, Serial No. 761,868
2 Claims. (Cl. 173—259)



2. A receptacle for holding grease to protect the post and casing of a battery comprising a hollow cylindrical body having a reticulated web closing the bottom thereof, said web having a centrally-located aperture therein so that said body can be positioned circumjacent said post, and a plurality of circular washers enclosed within said body and tightly encircling said post, alternate washers being of porous material saturated with grease, the remaining washers being reticulated, whereby the grease passes through the web thereby to protect the battery.

2,484,727
FISHING ROD TIP
George Patterson, Seattle, Wash.
Application November 12, 1946, Serial No. 709,376
6 Claims. (Cl. 43—24)

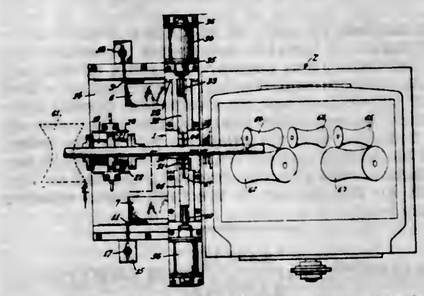


6. A line guide for the tip end of a fishing rod comprising a resilient coil element forming a laterally flexible tube adapted to have a line mounted on the rod passed therethrough, and a rigid tubular member secured to the tip end of the rod and having an internal screwthread meshed with the outer surface of said coil element whereby the coil element is mounted on the rod for lengthwise adjustment by rotation in the tubular member so as to extend more or less of the length of the coil element from the tubular member to vary the effective flexibility of the support afforded to the line by the coil element.

2,484,728
WAX SEPARATION
Ivan E. Pattillo, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 18, 1947, Serial No. 735,533
3 Claims. (Cl. 196—18)

1. A rapid method of separating a high melting point paraffin wax from a sweatable oil-wax mixture, which comprises melting the oil-wax mixture, cooling the molten mixture in a substantially quiescent state, at a rate of at least one degree Fahrenheit per minute to a temperature at which wax crystals are initially formed and immediately filtering the resulting slurry of oil and wax at said temperature by passing the same through a press under a pressure gradually increasing from substantially atmospheric to the order of 400 pounds per square inch to yield a wax cake of high melting point.

2,484,729
FEEDING APPARATUS FOR STRAIGHTENING MACHINES
Dwight J. Perdue, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application January 24, 1947, Serial No. 724,143
14 Claims. (Cl. 153—60)

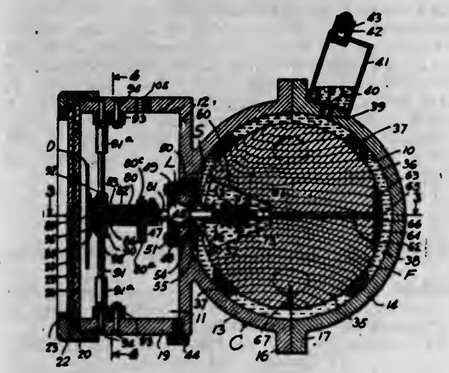


1. Apparatus for feeding elongated cylindrical work pieces to a straightening machine, comprising a carriage mounted for movement in the direction of travel of a work piece through a straightening machine, means for controlling reciprocation of said carriage, means for gripping a work-piece mounted on said carriage and including jaws and jaw-supporting members, said supporting members being movable toward and away from each other laterally of the direction of movement of said carriage for causing the jaws to engage the work-piece, and said jaws being displaceable transversely with respect to the jaw-supporting members and the axis of the work-piece, means for operating said gripping means to cause said jaws to grip a work piece therebetween, and means for controlling said operating means for releasing said gripping means and jaws from work piece gripping position.

2,484,730
UNIVERSAL FLOAT INCLINOMETER
Leslie K. Perry, Las Vegas, Nev.
Application August 21, 1945, Serial No. 611,860
9 Claims. (Cl. 33—206)

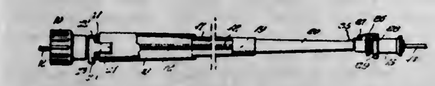
1. In an instrument of the class described, means defining a spherical float chamber containing a liquid and adapted to be fixed to a vehicle; a generally spherical buoyant body freely suspended in said liquid and having peripheral

bearing projections providing contact between the wall of the chamber and the body, so as to guide the latter with negligible friction in order that the body will, by its inertia, tend to maintain a fixed relation to the earth; a graduated dial having an axis; means mounting said dial for rotation about its axis and for rectilinear movement transversely of its axis; means coacting with said dial to indicate said dial movements; a shaft having ball and socket fulcrum



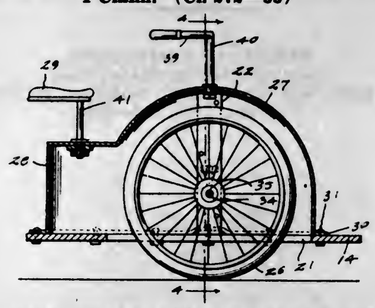
intermediate its ends, by which the shaft is movably mounted from the first means; an extensible, pivotal connection between the shaft at one side of its fulcrum and the body at a location offset from its center; and an extensible, pivotal connection between the shaft at the other side of its fulcrum, and the dial, by which the latter will be rotated and/or transversely moved in accordance with the movements imparted to the shaft by movements of the first means relative to the body.

2,484,731
SAFETY ATTACHMENT FOR DRILLING MACHINES
Jess Pritchett, Eldorado, Ill.
Application April 10, 1945, Serial No. 587,461
3 Claims. (Cl. 255—36)



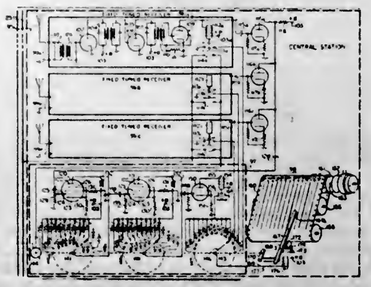
1. In a drilling machine, in combination with a thread bar, a guard for the thread bar comprising a plurality of telescopic tubular sections surrounding the thread bar, means for anchoring the free end of the largest section of the guard in a fixed position with relation to the thread bar, a drill socket on the outer end of the thread bar, and a means on the outer end of the smallest telescopic section of the guard for connecting the said guard to said drill socket, the said second mentioned means comprising a sleeve encircling the socket, complemental means on the socket and sleeve for supporting the sleeve on the socket for longitudinal movement therewith yet enabling the socket to rotate relative to the sleeve, and a clip connected at one end to the outer end of the smallest telescopic section and at the other end to the sleeve whereby the movement of the thread bar inwardly and outwardly collapses and extends the telescopic sections.

2,484,732
ROUNDABOUT
Alton H. Ragsdale, Hemet, Calif.
Application November 18, 1946, Serial No. 710,568
1 Claim. (Cl. 272—33)



A riding toy comprising a rotatable circular platform having an opening therethrough inwardly from the marginal edge thereof and at right angles to the radii thereof, and an operating unit fixed to said platform on the upper side thereof, said unit comprising a housing fixed to the upper side of said platform over said opening, said housing comprising parallel upright side walls, an upright rear end wall, a front wall and a top wall, a lower flange carried by said opposite side and end walls, means securing said flange to the upper side of said platform, an inverted U-shaped frame fixed in said housing, a crankshaft journalled through said frame and projecting from opposite sides of said housing, cranks on the outer ends of said shaft, and a traction wheel fixed on said shaft encompassed for the major part thereof by said housing and projecting downwardly through said opening for contact with a plane supporting surface.

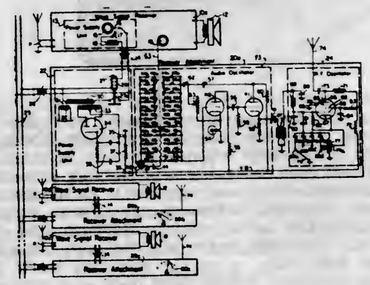
2,484,733
SYSTEM AND APPARATUS FOR RECORDING THE LISTENING HABITS OF WAVE SIGNAL RECEIVER USERS
Henry A. Rahmel and Harry T. Bentley, II, Evanston, Ill., assignors to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1948, Serial No. 7,647
12 Claims. (Cl. 346—37)



1. Apparatus for indicating at a remote point the tuning condition of one or more wave signal receivers, comprising, means associated with a particular one of said one or more receivers and responsive to the tuning of the associated receiver for developing a plurality of distinct audio frequency signals each signal representative of a different channel to which said receiver may be tuned when in use, a radio frequency oscillator

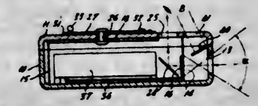
having an output signal of a predetermined frequency uniquely representative of said particular receiver, means for modulating said radio frequency signal with said audio frequency signal to produce an audio frequency modulated radio frequency signal, a signal transmission link for transmitting said modulated radio frequency signal from said receiver to a remote point, means at said remote point controlled over said link by said modulated radio frequency signal for detecting and converting said audio frequency signals to indications of the channels to which said particular receiver is tuned, and means at said remote point for converting said radio frequency signal to an indication uniquely identifying said particular one of said one or more receivers.

2,484,734
APPARATUS FOR DETERMINING THE LISTENING HABITS OF WAVE SIGNAL RECEIVER USERS
Henry A. Rahmel, Evanston, Ill., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application February 11, 1948, Serial No. 7,648
6 Claims. (Cl. 346—37)



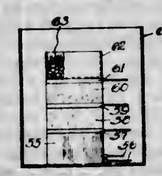
4. In a system for providing indications of the transmitting stations to which a tunable wave signal receiver is tuned for signal reception, said receiver being provided with a movable tuning element for conditioning said receiver for signal reception from different transmitting stations operating at different carrier frequencies and being capable of receiving signals from at least one of said transmitting stations over an increment of movement of said tuning element which is greater than those increments of movement of said tuning element over which others of said transmitting stations may be received by said receiver, a position switch comprising a movable contact member and a plurality of contact means respectively corresponding to the different transmitting stations from which signals may be received by said receiver, driving means operated in response to operation of said tuning element for moving said contact member to produce engagement of said contact member with the predetermined one of said contact means corresponding to the transmitting station to which said receiver is tuned for signal reception, means comprising a predetermined effective width of said one contact means corresponding to the possible limits of movement of said tuning element at which signals from said corresponding transmitting station are receivable for insuring engagement between said one of said contact means and said contact member throughout all positions of said tuning element at which signals from said one transmitting station are received by said receiver, and means selectively controlled by said position switch for producing indications of the transmitting stations to which said receiver is tuned for signal reception.

2,484,735
EXTINCTION TYPE EXPOSURE METER WITH AUTOMATIC EYE SENSITIVITY COMPENSATION
Karl Rath, New York, N. Y.
Application October 23, 1945, Serial No. 623,919
3 Claims. (Cl. 88—23)



1. In a photographic exposure determining device, an extinction type light meter comprising a body, a photometric wedge mounted upon said body and arranged to have one side thereof irradiated by light rays emanating from a photographic scene in the operative position of said device, an index element arranged in the path of said light rays to produce a test mark upon said wedge, when said wedge held at a distance from the observer's eye is viewed in a direction opposite to said light rays, adjusting means for moving said wedge relative to said body and past said index element, whereby the extent of displacement to cause said mark to become just barely visible is a measure of the scene brightness, exposure determining means carried by said body comprising adjustable means positively coupled with said adjusting means, a photovoltaic cell arranged relative to said wedge to be excited, in the operative position of said device, by light varying according to the general light conditions surrounding said scene and to which the observer's eye is exposed, an electrical indicator comprising a magnet having a pair of pole pieces, a central core therebetween and a moving coil carrying said index element and rotatably mounted within the gap between said pole pieces and said core, said gap increasing in width with increasing deflection from zero of said moving coil, circuit connections from said moving coil to said cell to adjust the position of said index element in the direction of decreasing wedge density as said light conditions change from dark to brighter and vice-versa, to thereby substantially compensate for the adjusting error of said meter due to the varying eye sensitivity of the observer under different general light conditions.

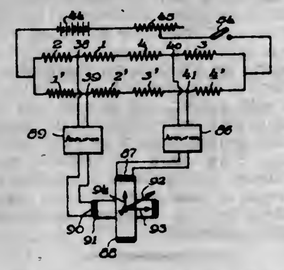
2,484,736
APPARATUS FOR DETERMINING THERMAL CONDUCTIVITY
Joseph Razek, Llanerch, Pa., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application May 19, 1945, Serial No. 594,661
15 Claims. (Cl. 73—15)



2. Apparatus for determining the comparative thermal conductivities of specimens of two ma-

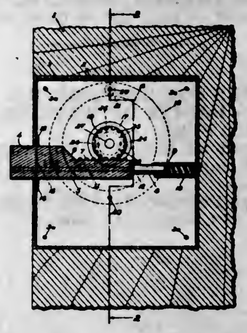
terials, comprising, in combination, means for providing two surfaces at different temperatures respectively, a plurality of resistors having substantially equal values of resistance at the same temperature and having substantially equal temperature coefficients of resistance, said resistors being arranged in three pairs, the resistors of each pair being so arranged that they are at substantially the same temperature, said specimens and said resistors being adapted to be arranged between said two surfaces in heat-conductive contact with each other and said surfaces in the following order: a surface; a resistor pair; a specimen; a resistor pair; a specimen; a resistor pair; a surface, said resistors being connected together in two groups, each group comprising one of the resistors of each of said pairs of resistors, the resistors of each group being connected together in series with each other, said groups of series-connected resistors being connected in parallel with each other to a source of electrical energy, the two resistors arranged at corresponding end positions at one end of said groups being located respectively adjacent to opposite surfaces of one of said specimens, and the two resistors arranged at corresponding end positions at the other end of said groups respectively being located physically adjacent to opposite surfaces of the other of said specimens, and means for indicating the values, relative to each other, of the potential differences between corresponding inter-resistor points in the separate groups of resistors.

2,484,737
MEASURING APPARATUS
Joseph Rasek, Llanerch, Pa., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application May 19, 1945, Serial No. 594,662
12 Claims. (Cl. 235—61)



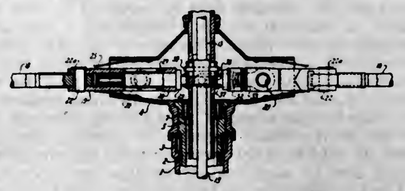
5. Apparatus for determining the comparative values of the two differences represented by the expressions "R_1-R_2" and "R_3-R_4," where R_1, R_2, R_3 and R_4 are values of resistance, comprising, in combination, a plurality of pairs of resistors, each said resistor pair being so constructed that the resistors thereof have resistance values substantially equal to each other, the resistors of each said pair having a resistance value equal to a different one of the values R_1, R_2, R_3 and R_4, said resistors being arranged electrically in two groups, each group comprising one of the resistors of each of said pairs, the resistors of each group being connected together in series, said groups of series-connected resistors being connected in parallel with each other to a source of electrical energy, resistors having the resistance values R_1 and R_2 being located respectively at corresponding end positions at one end of said groups, and resistors having the resistance values R_3 and R_4 being located at corresponding end positions at the other end of said groups, and means for indicating the values, relative to each other, of the potential difference between the corresponding end-most inter-resistor points at one end of said groups of resistors and the potential difference between the corresponding end-most inter-resistor points at the other end of said groups.

2,484,738
LATCHING DEVICE
Hay B. Reid, Fairhaven, Mass.
Application October 20, 1947, Serial No. 780,887
6 Claims. (Cl. 292—172)



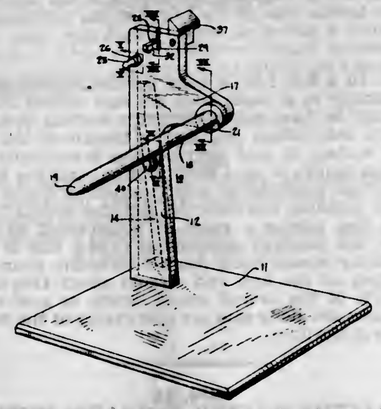
1. A device for operating a door latch comprising a tube secured to a door and inserted into one side thereof, an interiorly threaded tubular sleeve fixed within said tube, a threaded cylindrical core rotatably and slidably extending through said sleeve and meshing with the threads thereof, a spring-actuated cylindrical member secured to the outer end of said core and slidably, but limitedly, extending through the outer end of said tube, a spring-actuated latch bolt slidably mounted within said door and limitedly extending through an opening in the front edge thereof, rack teeth across an inner portion of said bolt, and a gear wheel secured in axial alignment to the inner end of said core and adapted to mesh with said rack teeth.

2,484,739
VARIABLE PITCH PROPELLER MECHANISM
Jorgen Remmen, Pittsburgh, Pa.
Application May 11, 1944, Serial No. 535,084
2 Claims. (Cl. 170—160.42)



1. In a variable pitch propeller mechanism, a hub structure, blade sockets having trunnion members mounted in said hub for movement in a plane transversely of the plane of rotation of the blade, blades mounted for rotary movement in said sockets, and segment gears mounted on the inner ends of the blades to be rotatable therewith, gear racks pivotally mounted on said trunnion members for interacting with said segment gears to vary the pitch of the blades in response to pivotal movement of the blade on the trunnion member, and manual means connected to said gear racks for actuating the latter to adjust pitch setting of the blades independently of pivotal movement of the blades on their trunnion supports.

2,484,740
DERMATOME HOLDER
John D. Reese, Philadelphia, Pa.
Application November 2, 1945, Serial No. 626,279
4 Claims. (Cl. 128—305)



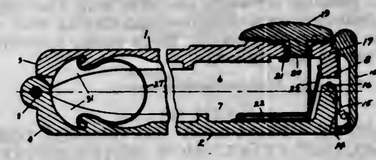
1. In a dermatome supporting structure, a base adapted to rest on a horizontal surface, a standard carried by said base, a horizontal spindle carried by said standard and adapted to support a dermatome thereon for pivotal movement thereabout, and means carried by said standard for retaining in a predetermined position a dermatome supported on said spindle.

2,484,741
ROTARY MARSH LAND DITCHER
Washington Etienne Rodrigue, Larose, La.
Application October 22, 1947, Serial No. 781,263
4 Claims. (Cl. 37—70)



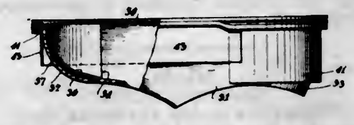
3. In a ditch forming machine, the combination which comprises an elongated substantially open hull, a longitudinally positioned shaft journaled in the hull and extended from one end thereof, a tubular shaft positioned on and rotatably mounted on said longitudinally positioned shaft, a rotary cutter having a hub with radially disposed blades thereon carried by and fixedly mounted on the outer end of said longitudinally positioned shaft, a similar cutter carried by and fixedly mounted on the said tubular shaft and spaced from the cutter on the longitudinally positioned shaft the diameter of said rotary cutters being sufficient to cut a ditch the width and depth of which is greater than the width and depth of the hull, and means rotating the cutters through the said shafts with one cutter rotating in a direction opposite to that of the other, the tips of the blades of said cutters shaped to provide propelling means for propelling the hull through the ditch formed by the cutters with the hull floating on water therein.

2,484,742
LOOSE-LEAF BINDER
Bruno C. Roehri, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania
Application May 22, 1947, Serial No. 749,794
6 Claims. (Cl. 129—1)



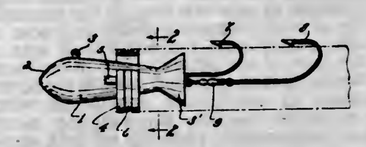
1. A loose leaf binder comprising hinged covers, a horseshoe spring ring having its ends compressed toward each other and anchored in the covers on opposite sides of the hinge and urging the covers to the open position and having its center between the covers in a position to receive a leaf, and a catch releasably holding the covers in the closed position.

2,484,743
METHOD FOR MAKING SLIP-LASTED FOOTWEAR
Heinz W. Rollman, Waynesville, N. C., and Ernest E. Rollman, Los Angeles, Calif.
Application April 2, 1946, Serial No. 658,998
7 Claims. (Cl. 12—142)



1. The method of manufacturing a slip-lasted shoe having a closed-toe which comprises the steps of sewing the upper portion of the thermo-setting counter of vulcanizable material to the rear portion of an upper, sewing to the margin of an inner sole the lower edges of the upper, a toe-cap reinforcing element of thermo-setting vulcanizable material, and the thermo-setting counter, thereafter mounting the assembly upon an adjustable last and expanding the last and imparting heat through said last to the assembly, whereby said thermo-setting reinforcing element and counter are vulcanized to the upper and whereby the stretch in said upper is removed.

2,484,744
FISH LURE
Floyd T. Roman, Three Rivers, Mass.
Application April 18, 1946, Serial No. 663,014
1 Claim. (Cl. 43—42.06)



A fish lure comprising a sinker having a rounded front end, a rearwardly tapering body, and an outwardly flaring rear end, a line securing eye mounted on the sinker at the side thereof, a ring secured to the body of the sinker and spaced

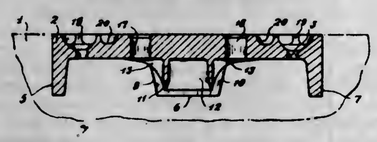
therefrom to provide an annular flow space for water between the ring and said body, said ring being provided with means for the attachment of one end of a tubular skin extending rearwardly around but spaced from the body and the flaring rear end of the sinker, whereby said tubular skin will be maintained inflated and in motion by the water passing between the skin and the sinker and deflected outwardly by said flaring rear end of the sinker, and one or more hooks secured to the rear of the sinker.

2,484,745
DAMPER OPERATING MECHANISM FOR ELECTRIC PERCUSSION INSTRUMENTS
Paul H. Rowe, Los Angeles, Calif., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif., a corporation of California
Application April 30, 1947, Serial No. 744,876
13 Claims. (Cl. 84—405)



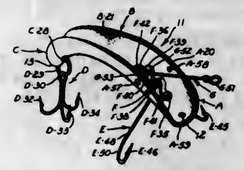
1. In an electric percussion instrument: a suspended horizontal resonant bar; a striker below the bar; a damper resting on the bar and above it; a connection between the damper and the striker; and electromagnetic means for operating said striker, including a core suspended by the damper.

2,484,746
RAPPING PLATE
Thomas Lee Ruddy, Lakewood, Ohio
Application March 26, 1946, Serial No. 657,290
1 Claim. (Cl. 22—186)



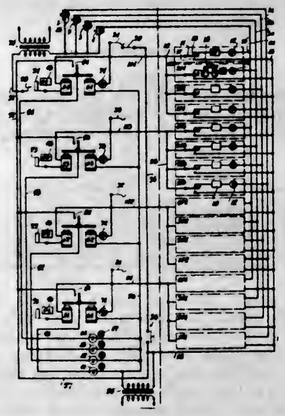
A rapping plate for patterns or the like comprising a plate member, a plurality of spaced lugs integral with said member and extending outwardly from one face of the latter with the outer surface of each lug substantially perpendicular to the plane of the member and flush with a portion of the periphery thereof, the inner surfaces of said lugs being substantially planar and tapering towards said outer surfaces, a hollow boss extending outwardly from a central imperforate portion of said one face of the member, a plurality of webs radiating from said boss and integrally united with the latter and with the said one face of the member, the other face of said member being provided with a plurality of depressions of substantial dimensions with a screw-receiving opening through the member disposed substantially centrally of each depression, and a plurality of lugs in each depression adjacent the opening therein, the last-mentioned lugs being integral with said member and adapted to be bent over the heads of screws in said openings and depressions to prevent the screws from being displaced outwardly thereof.

2,484,747
FISH LURE
John K. Russell, North Hollywood, Calif.
Application May 23, 1947, Serial No. 749,919
8 Claims. (Cl. 43—42.5)



7. In a fish lure, a body portion curved longitudinally in a continuous arc and curved transversely to form side walls and a bottom, the side walls and bottom providing a trough on the upper surface of said body portion throughout the entire length of said body portion, and the front and rear portions of said continuous arc of the body pointing downwardly, securing means for a fish line having a point of attachment to said line, the point of securement of the line to the securing means being spaced vertically from the bottom of the lure and spaced about 11⅔% to 38⅓% of the overall chord length of said continuous arc along said arc rearwardly of the front edge of the lure.

2,484,748
SELECTIVE ELECTRIC SIGNALING SYSTEM
Edward S. Ruth, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application February 4, 1948, Serial No. 6,297
5 Claims. (Cl. 177—353)



1. A selective electric signaling system comprising in combination a plurality of groups of electric signaling devices, a source of electric current, a first series of conductors, each conductor of which is individual to one of said groups, a second series of conductors, each of which is connected to at least one of said devices in each group, each of said signaling devices being connected between the member of the first series of conductors which is individual to its respective group and a member of said second series of conductors, switching devices for selectively connecting one terminal of said source to any one of said first series of conductors and for connecting the other terminal of said source to any one of said second series of conductors, a rectifier connected in series with each of said signaling devices, an electroresponsive device connected in series with each member of one of said series of conductors, a call-indicating signal device controlled by each of said electroresponsive devices, a second electro-responsive device connected to each member of said one series of conductors, the call-indicating signal being controlled by each said first-mentioned electroresponsive devices by the corresponding second electroresponsive device to return the signal to normal, and a plurality of energizing circuits for each of said second devices, each energizing circuit including a source of electric energy, manually-controlled contacts at an individual station and at one of said series of conductors.

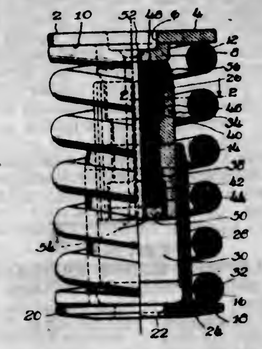
2,484,749
PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 26, 1946, Serial No. 650,195
3 Claims. (Cl. 206—56)



1. A package of the character described comprising a wall of superimposed sheets of opaque material sealed for substantially one-half their area to provide a commodity receiving compartment centrally of said sealed area and to provide a rigid unitary area, the remaining areas of said sheets being folded outwardly to form hinged covers on opposite sides of the sealed area, the fold lines of said covers being substantially flat when the covers are in open flatwise position so that each outer surface of said sealed area and the adjacent inner surface of one of said covers provide a continuous unbroken surface for receiving indicia thereon, said covers being coextensive with the sealed area for protecting the compartment against damage.

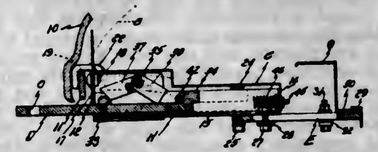
2,484,750
SNUBBER
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 4, 1944, Serial No. 552,630
14 Claims. (Cl. 267—9)

1. In a friction device, a follower having a friction barrel, a spaced follower assembly resiliently supporting shoes for frictional engagement with said barrel, a compression spring between said follower and said assembly, said assembly comprising a base, a cylindrical resilient element having an end seated against said base, said element having an annular groove centrally thereof, a plurality of friction shoes positioned around said element with ledges in said groove, a spring seat at the end of said assembly remote from said base and seating the other end of said element, said base and said seat being spaced from said first-mentioned follower, and securing means extending between said seat and base and retaining said element under compression therebetween, said base being spaced from the adjacent ends of



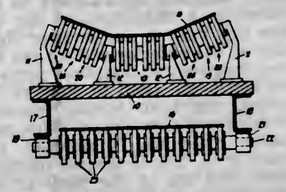
said shoes to accommodate flow of said element, said securing means being adjustable to modify the compression of said element as wear takes place between said shoes and said barrel.

2,484,751
TRAILER HITCH
Henry F. Schultz, Flushing, Mich.
Application September 27, 1948, Serial No. 51,389
5 Claims. (Cl. 280—33.44)



1. A trailer hitch of the character described, comprising an elongated housing including a vertically disposed connecting plate adjustably secured to the front end wall thereof and adapted to hook over an automobile bumper bar, an extensible plate slidably mounted on said housing and engageable with the cross member of the vehicle frame, a draw-bar adjustably mounted in the housing, and manually operable, spring-tensioned locking means mounted on said housing and engageable with said bar to secure it in extended and adjusted positions, and means for limiting outward movement of said draw-bar.

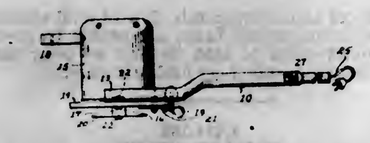
2,484,752
RENEWABLE RESILIENT IDLER UNIT
Ames Searles, Moscow, Pa.
Application May 24, 1945, Serial No. 595,609
4 Claims. (Cl. 74—230.5)



1. In an idler roller structure for a conveyor mechanism, a rotary idler shaft, bearing supports for the shaft in which the shaft is freely

rotatable, a separable deformable tread portion, deformable connecting means disposed between the tread and the idler shaft and directly engaged with the tread and the shaft but spaced from the bearing supports for securing the tread to the shaft, said connecting means extending the full axial length of the tread portion and projecting beyond each end of the tread portion, the tread portion exerting radial gripping action upon the connecting means and the connecting means exerting radial gripping action upon both the tread and the shaft and providing locking bulges on the projected ends to positively prevent axial displacement of the tread portion relative to the connecting means and to the shaft.

2,484,753
ELECTRIC HEDGE TRIMMER
Sherman Shipley, Ada, Okla.
Application August 5, 1946, Serial No. 688,488
4 Claims. (Cl. 30—276)



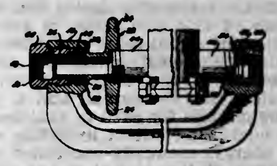
1. A trimmer machine of the character stated, comprising a relatively long rectangular frame having spaced parallel side rails, a transverse end rail connecting the side rails at one end of the frame, a transverse intermediate rail connecting the side rails of the frame adjacent to the other end thereof, said side rails having portions freely extended beyond the intermediate rail, an electric motor mounted upon the free end portions of the side rails with its longitudinal axis perpendicular to said side rails, a rotary cutting blade operatively connected with the motor to turn on the longitudinal axis thereof in a plane spaced from but parallel with the frame, the said end rail of the frame providing a handle, and a handle secured to the motor at the end thereof remote from the cutting blades.

2,484,754
CARRIAGE FOR TRUCKS
Joseph P. Silva, Bayonne, N. J.
Application July 12, 1946, Serial No. 683,290
9 Claims. (Cl. 305—4)



8. A carriage having a framework comprising upright U-shaped members in transverse position, longitudinally disposed bars affixed to the sides of said members, a shell open at the sides enveloping the top, bottom and ends of the framework, means on the exterior of the shell to reduce friction, and longitudinal members carried by the framework above the shell to support a loaded truck thereon, said shell having rounded ends, and said friction-reducing means being an endless longitudinally extending lubricated belt enveloping said shell, the U-shaped members projecting above the top of the shell at the sides and having their upper ends bent over inward, and the supporting members being affixed to said ends above said belt, the latter being confined between said members.

2,484,755
WATER METER YOKE
John J. Smith, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 22, 1947, Serial No. 775,438
7 Claims. (Cl. 285—3)



1. A device for supporting and coupling a meter in a service line which comprises a yoke, tubular openings in the upturned ends of the yoke, a spindle having a tubular opening therethrough with radial arms at one end and an outside threaded section at the opposite end, an annular shoulder centrally located upon the outside of the spindle having a recess therein adapted to receive packing, said shoulder being of such size as to closely fit in one of said yoke openings and an inside threaded section in this opening located centrally in the opening a sufficient distance from the inner end of the opening so that the spindle shoulder packing recess does not extend beyond the inner edge of said yoke opening when the spindle is extended from the yoke a sufficient distance to couple a meter.

2,484,756
METHOD OF PREPARATION OF COMPOSITION FABRIC MATERIAL
Howard Snow and Julia D. Hill, Charlotte, N. C., assignors to Southern Friction Materials Company, a corporation of North Carolina
No Drawing. Application June 29, 1945, Serial No. 602,426
4 Claims. (Cl. 117—64)

1. The method of preparing a composition fabric material which comprises impregnating a woven, organic fibrous fabric with a thermosetting resin composition, comprising by weight, about 15–20% of an oil-soluble phenol-aldehyde resin, 25–40% of a petroleum pitch composed of polymerized olefinic hydrocarbons and having a minimum iodine number of about 200 and a boiling range beginning at about 450° F., and 45–55% of drying oil, heating the fabric to cure the resin composition in situ, then wetting the impregnated fabric with water and pressure-abrading the surfaces of said fabric while wet to remove the surface crust of impregnant formed during curing whereby the impregnated fabric is divested of undesirable surface characteristics and rendered relatively flexible.

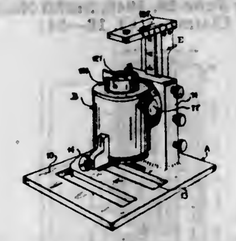
2,484,757
SELF-RIGHTING CIGARETTE HOLDER
Dom D. Soccodi, New Britain, Conn.
Application October 2, 1946, Serial No. 700,617
1 Claim. (Cl. 131—191)



In a cigarette holder, an elongated body section unsymmetrical about a longitudinal vertical plane and provided with a bore extending the entire length thereof, said body section having a cigarette receiving socket and an upwardly inclined

mouthpiece at the opposite ends thereof, the base of said body underlying said socket being flat and having a heavy counterweight embedded therein, said counterweight being flat and adapted to engage a table surface throughout its length, the base of said socket and said counterweight extending forwardly beyond the outer end face of said socket to serve as a guide to facilitate the insertion of said cigarette into said socket, said counterweight serving to cause said holder to automatically right itself when laid on a table for holding said cigarette and said mouthpiece above said table.

2,484,758
FIXTURE FOR MACHINE TOOLS
William C. Sonnie, North Perry, Ohio
Application June 13, 1946, Serial No. 676,509
12 Claims. (Cl. 77—64)



1. In a work holding fixture adapted to be positioned on the work table of a machine tool, a housing member having a bore, a spindle member rotatably positioned in said bore journaled against axial movement and having a bore coaxial with the bore of said housing, index means on said spindle member and said housing member for angularly positioning said spindle member, means for locking said spindle member against rotational movement in any indexed position, a work holding device positioned in said spindle member bore and adapted to clampingly engage work to be machined, means for operating said work holding device, the last-mentioned means and said spindle member having cooperating surfaces which are interengaged by operation of the last-mentioned means to effect clamping of work in said work holding device whereby rotation of said last-mentioned means after work is clamped in said work holding device is effective to rotate said spindle member and work relative to said housing when said index means and said locking means are unengaged.

2,484,759
POWER LIFT CONNECTION
John H. Starr, Mayville, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application July 16, 1945, Serial No. 605,345
4 Claims. (Cl. 287—100)

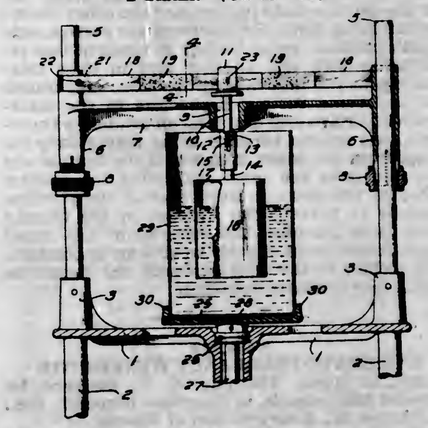


1. In an agricultural implement, a cylinder-receiving bracket having an open slot therein, a power lift cylinder having an apertured lug, a pin turnably carried permanently in the aperture in said lug and adapted to be placed in said slot while carried by said lug, and interengaging means on said pin and bracket for interlocking said pin and bracket so as to hold said pin in said slot, thereby holding said cylinder connected to said bracket.

2,484,760
POLYMERIZATION OF VINYLIDENE CHLORIDE COPOLYMERS
Hanns Peter Staudinger, Ewell, and Donald Faulkner, Cambridge, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
No Drawing. Application September 4, 1945, Serial No. 614,446. In Great Britain August 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 18, 1964
6 Claims. (Cl. 260—80.5)

1. As a composition of matter, a copolymer of vinylidene chloride, isobutene and a polymerisable aliphatic monoethenic compound of the formula $CH_2=CR_1R_2$ where R_1 is selected from the group consisting of hydrogen, methyl and chlorine, and R_2 is selected from the group consisting of nitrile, lower alkyl carboxy ester, acetoxy and methyl keto radicals, wherein the isobutene and the polymerisable compound together constitute not more than 30% by weight of the copolymer and wherein the isobutene content is at least 10% of that of said polymerisable compound.

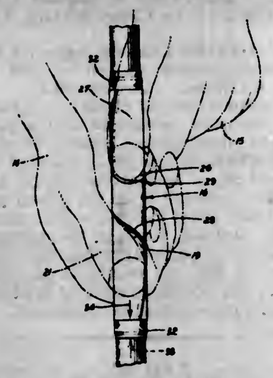
2,484,761
VISCOSIMETER
Charles R. Stock, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 5, 1945, Serial No. 586,715
1 Claim. (Cl. 73—59)



In combination, a vessel adapted to contain a substance the viscosity of which is to be determined, an inverted cup drag member within the vessel and adapted to dip into the liquid under test, a vertical shaft fixed to the drag member and extending upwardly therefrom, an elastically deformable cantilever bar which extends horizontally on each side of the shaft and secured to the shaft, a fixed post adjacent each end portion of the cantilever bar, flexible means connecting each end portion of the bar with a post, an electric re-

distance strain gauge mounted on said bar, an instrument electrically connected to said strain gauge and responsive to changes in the electrical resistance of the strain gauge when stressed, and means to rotate the vessel, whereby when the vessel contains a liquid material under test, the cup drag member dips into the liquid and the vessel is rotated, the bar tends to rotate in the same direction as the test material, thus putting the strain gauge under stress.

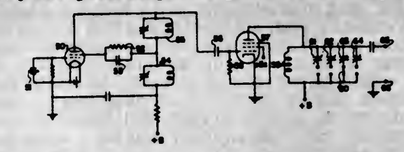
2,484,762
GOLF CLUB GRIP FINDER
Frank Strassa, Clearwater Beach, Fla.
Application January 29, 1947, Serial No. 725,044
1 Claim. (Cl. 273—81)



A grip finder for golf clubs comprising a raised intermediate portion being raised above the remainder of the finder, depressed thumb portions adapted to receive respectively the thumbs of the different hands, one thumb portion being below the intermediate portion and the other thumb portion being above the intermediate portion, said thumb portions being further in straight line relationship with one another and in close relationship to the intermediate portion, said thumb portions being further high close to the intermediate portion and dropping off gradually therefrom, said thumb portions being respectively relieved from the edges from which the thumbs are extended onto the same and being respectively raised at the opposite side edges of the portions whereby to prevent the slippage of the thumbs from these portions, the material of the raised edges dropping off sharply to give an uncomfortable feeling to the thumb should the thumb be improperly extended over them.

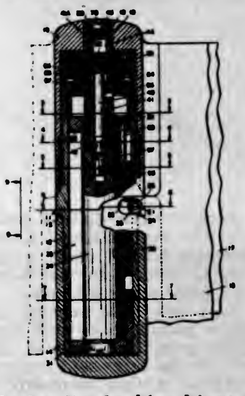
2,484,763
HARMONIC-FREQUENCY GENERATOR
Rudolf E. Sturm, Flushing, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 20, 1941, Serial No. 411,624
1 Claim. (Cl. 250—36)

A harmonic-frequency generator comprising, means for generating primary oscillations of a predetermined fundamental frequency, means for developing secondary oscillations of higher frequency than said primary oscillations, means for combining said primary and secondary oscillations to derive oscillations of unsymmetrical wave form having a large peak amplitude of given polarity during only one relatively small portion of each cycle, and means for clipping said oscillations of unsymmetrical wave form to derive only said peak-amplitude portion effectively com-



prising a periodic wave of pulse-wave form, of period equal to that of said primary oscillations, and rich in harmonic-frequency components.

2,484,764
HYDRAULIC CHECKING HINGE
Alfred J. Swanson, Hollywood, Calif.
Application June 28, 1948, Serial No. 35,640
4 Claims. (Cl. 16—54)



1. In an hydraulic checking hinge of the type described including a pair of leaves adapted for attachment to a closure and to a closure-mounting frame; an elongated cylindrical casing, a concentric shaft rotatably mounted in said casing and having a shaft extension protruding from the upper end thereof whereby a working chamber is provided in the annular space within said casing around said shaft, said casing and said shaft extension being operatively connected to said pair of leaves to hingedly turn on said shaft as a hinge pin; a fixed segmental partition in said working chamber, one radial face thereof being provided with an elongated longitudinal slot; and a movable segmental rotary piston connected to said shaft and adapted to move with said shaft in said working chamber, said piston on the face opposite said slotted partition face having a protruding tongue adapted to extend into said partition slot at the end of the movement of said piston in one direction.

2,484,765
ROTARY IMPACT TYPE SCREW DRIVER
Edmond Turgeon, Thompsonville, Conn.; The Thompsonville Trust Company, Thompsonville, Conn., executor of said Edmond Turgeon, deceased, assignor to Peter L. Putriment, Enfield, Donald C. Morell, East Windsor, and John J. Mazurek, Enfield, Conn., and Edward F. Saletnik, Springfield, Mass.
Application April 12, 1946, Serial No. 661,618
1 Claim. (Cl. 145—50)

A rotary tool of the class described comprising in combination, a driver serving as a handle and

having a shank receiving socket and entrance thereto in one end of said driver, a shank removably fitted therein for longitudinal and rotative movement with respect to said driver, the wall of said socket adjacent said socket entrance being formed into oppositely disposed depending V-shaped cams and notches formed in said wall at the juncture of the adjacent opposed cam surfaces of said cams, the sides of each notch being parallel to the axis of said tool, the shank having a lug engageable by said cams for the turning of said shank upon relative longitudinal movement of said driver and shank, said shank lug also being engageable in said wall notches for locking said driver and shank together for a common rotative movement in either direction, means for detachably holding said shank in the socket of said driver and comprising a pair of longitudinally spaced annular grooves on the inner end of said shank, the wall separating said grooves having a rounded surface, a locking pin slidably mounted in said



driver and adapted to be selectively engaged in one of said grooves, the outermost groove with respect to said socket being spaced from said inner end of the shank a distance equal to the spacing between said locking pin and the bottom of the socket, said outermost groove being of substantially the same width as the width of the shank engaging end of said locking pin, the innermost groove with respect to said socket being of a width substantially equal to the longitudinal travel of the shank lug on the surfaces of said V-shaped cams, the engagement of the pin with said outermost groove serving to hold the shank lug in the aforesaid wall notches, and the engagement of said pin with said innermost groove serving to limit the longitudinal movement of said shank when the shank lug is in engagement with said V-shaped cams, the innermost shoulder of said innermost groove being formed with a beveled ramp for the release of said locking pin, and means to urge said pin inwardly against the shank.

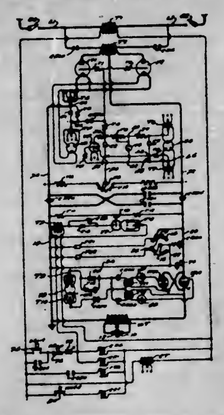
2,484,766
HUMANE TAIL SET
Charles C. Turner, Broadway, Va., assignor of one-half to George S. Aldhiser II, Broadway, Va.
Application January 12, 1949, Serial No. 70,530
6 Claims. (Cl. 54—1)

6. A humane tail set comprising an artificial tail for supplementing the natural tail of a horse and a frame for supporting and securing said artificial tail on said natural tail with said natural tail in a downwardly extending position, said frame comprising spaced side members, means secured to said side members for engaging the outer surface of said natural tail adjacent the base thereof to facilitate locating and supporting said frame, said side members being connected at one end whereby said frame may be disposed in a substantially vertical position with said connected



end uppermost, means engaging said side members for securing said frame in position, said artificial tail comprising hair secured to said connected end and extending downwardly whereby said hair will blend with said natural hair and supplement the same.

2,484,767
ELECTRICAL CONTROL SYSTEM
Gustav E. Undy, Detroit, Mich., assignor, by mesne assignments, to Weltronic Company, Oakland County, Mich., a corporation of Michigan
Application July 26, 1943, Serial No. 496,147
16 Claims. (Cl. 320—1)

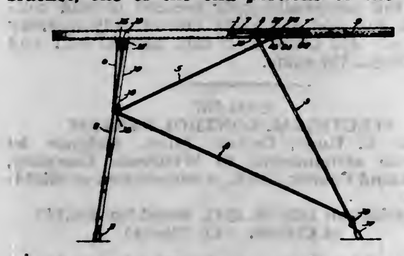


1. In a system for supplying power to a load circuit, an energy storage device chargeable to either of two opposite polarities, means for coupling the device to the load circuit to enable the device to pass current to the load circuit in either of two directions, additional means for coupling the device to a source of current so as to enable the charging thereof to either of said polarities, and means controlled by and in accordance with the polarity of the device for controlling at least certain of said coupling means.

2,484,768
CATCH CONSTRUCTION FOR IRONING TABLES
Oliver A. Van Pelt, Galien, Mich., assignor to Van Pelt Mfg. Co., Galien, Mich.
Application February 26, 1946, Serial No. 650,153
2 Claims. (Cl. 38—117)

1. In combination with an ironing table top and forward and rearward interconnected legs

pivoted to the normally under side of the top and a substantially V-shaped brace pivotally connected at one end to one of said legs having its remaining and free end movable longitudinally of said under side of the top; a rib secured to and disposed longitudinally of an intermediate portion of the under side of the top and slidably receiving said free end of the V-shaped brace thereover, a guide bracket disposed longitudinally of said rib and connected thereto at its opposite ends, said guide bracket, between its opposite ends, being spaced from and substantially parallel to the adjacent and normally under side of the rib, the free end of said V-shaped brace being slidably confined between said rib and guide bracket, a catch consisting of a body of channeled material pivotally mounted intermediately of its opposite ends on said under side of the rib in proximity to one end of said guide bracket and disposed longitudinally of said rib and guide bracket, one of the end portions of the catch



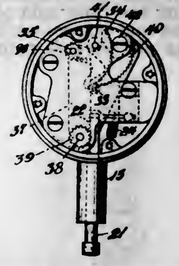
body being straddlingly engageable over a portion of the under and opposite sides of said rib and the remaining end portion of said catch body being straddlingly engageable over another portion of the under and opposite sides of said rib and over the adjacent end portion of said guide bracket, spring means engaging the catch body for normally retaining the remaining end portion thereof in straddling engagement over the rib and the guide bracket, said remaining end portion of the catch body having its opposite sides complementally rearwardly curved and said opposite sides having angularly disposed and upwardly opening recesses formed therein in proximity to the rearwardly curved sides of the remaining end portion of said catch body adapted, at times, to engage over the free end of said V-shaped brace and retain the same therein in bearing engagement with an adjacent portion of the under side of said rib and against sliding movement longitudinally of the rib and the guide bracket.

2,484,769
PLASTIC WINDOW VENTILATOR
Maude Wolters, Kenmore, N. Y.
Application July 25, 1945, Serial No. 606,911
9 Claims. (Cl. 160—107)



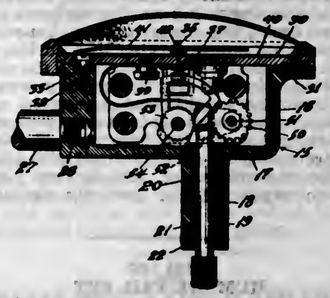
3. A molded ventilator section comprising a plurality of spaced parallel longitudinally and laterally extending intersecting strips formed in integral relation, each of said strips extending transversely of said ventilator between opposite faces, and a screen embedded in said section intermediate opposite faces cooperating to support all of said strips rigidly in position against bending and warping and preventing insects from passing through the ducts formed by said strips.

2,484,770
ADJUSTABLE RACK AND PINION GEARING
John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application October 17, 1944, Serial No. 559,072
1 Claim. (Cl. 74—422)



A dial indicator comprising a casing, a rack movable in and out of said casing, a unit containing operating mechanism and a pinion to mesh with said rack, said unit comprising a pair of plates one of which fits the inner surfaces of said casing to locate the unit therein and is movable with reference to the casing to cause engagement of said pinion with said rack until the desired mesh of rack and pinion is obtained.

2,484,771
DIAL INDICATOR MECHANISM
John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application October 17, 1944, Serial No. 559,073
3 Claims. (Cl. 74—396)



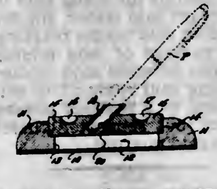
1. In a dial indicator, a hollow casing, a plunger having rack teeth extending into the hollow of the casing, a front plate for the casing, an indicator hand staff rotatably carried by said plate and having a pinion on the said staff, a unit comprising a means to transmit motion from said rack to said pinion, means to adjust said unit with reference to said plate and means to adjust the plate and unit with reference to said rack.

2,484,772
TOLERANCE LIMIT INDICATOR
John H. Worthen, Providence, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application November 15, 1944, Serial No. 563,468
4 Claims. (Cl. 116—129)



3. Tolerance arms for an indicator comprising a plate, concentric hubs rotatably mounted therein, an arm mounted to move with the outer hub, and an arm mounted on the inner hub, one of said arms being provided with diametrically located portions deflected to engage said plate and provide sufficient friction to prevent movement of one arm when the other arm is adjusted.

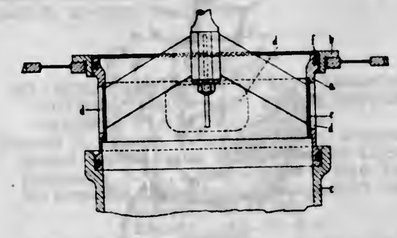
2,484,773
RECEPTACLE
Joseph V. Wuestman, Union, N. J.
Application February 18, 1947, Serial No. 729,329
3 Claims. (Cl. 120—108)



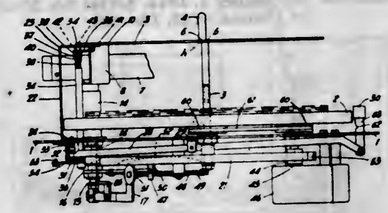
1. A receptacle for the purposes described comprising a main body formed by a bottom portion and wall portions upstanding therefrom to define an upwardly open interior chamber, said wall portions having inwardly offset means to provide a seating shoulder within the interior chamber, a reversible plaque removably seated on said seating shoulder in closing relation to said interior chamber, said plaque being provided with outwardly open socket means disposed to project from a face thereof, said socket means, when said plaque is assembled with said main body with said face outwardly presented, being exposed for endwise insertion therein of a pen, pencil or like article, whereby to support the latter in longitudinal projection from said socket means.

2,484,774
ELASTIC FLUID TURBINE
Henry George Yates, Riding Mill, England, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England
Application April 14, 1948, Serial No. 21,069
In Great Britain April 22, 1947
2 Claims. (Cl. 253—39)

1. An elastic fluid turbine incorporating an outer casing, elastic-fluid-inlet-pipe-connecting means attached thereto, a rotor casing within and spaced apart from said casing, a sleeve element yieldably supported at one end in said pipe-connecting means and at the other end in said rotor casing, ports in said sleeve element communicating with the elastic fluid outflow space and an inner slidable sleeve in said sleeve element for controlling the opening and closing at will of said ports.



2,484,775
AUTOMATIC PHONOGRAPH
Fritz Georg Zandelin, Malmo, and Ernst Bernhard Ingelström, Stockholm, Sweden, assignors to Aktiebolaget Gyllling & Co., Stockholm, Sweden, a Swedish joint-stock company
Application March 6, 1944, Serial No. 525,244
In Sweden March 13, 1943
5 Claims. (Cl. 274—10)



1. In a phonograph adapted to play in succession a plurality of disc-shaped records each having a central hole therein, a turntable, a center pin extending upwardly from the turntable, a shoulder on said pin for supporting a stack of records, a laterally offset upward extension of said center pin for receiving the stack of records, means for displacing the lowermost record of the stack laterally on said shoulder so as to cause said record to descend along said center pin to playing position on said turntable, a tone-arm, and means for moving said tone-arm outwardly after the playing of said record, said displacing means comprising a pushing member attached to said tone-arm and mounted at the level of the lowermost record of the stack to engage the circumference of said record in the outward movement of said tone-arm so as to align the hole in the lowermost record with said center pin.

2,484,776
ORNAMENTAL ARTICLE HOLDER
George L. Zent and Bertha M. Zent, Vancouver, Wash.
Application January 6, 1948, Serial No. 696
4 Claims. (Cl. 229—8)

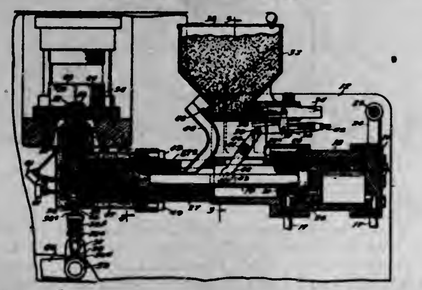
1. An ornamental bottle holder comprising a body having a sleeve-like receptacle fixed therein, support means fixed in said receptacle for supporting a bottle therein, a head portion frictionally carried by said receptacle, hand gripping

means carried by said head portion for removing the latter from said receptacle, and a closure



frictionally fitted to said head portion and embracing and concealing said hand gripping means.

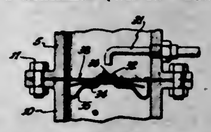
2,484,777
PLASTIC MOLDING MACHINE
Adam Ziska, Wauwatosa, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application September 1, 1944, Serial No. 552,268
10 Claims. (Cl. 18—30)



9. In a plastic injection molding machine having a frame, a hollow molding die mounted in the frame, an injection head having a laterally extending nozzle, a cylinder having a bore for conducting molding powder to the head, a ram, a molding powder hopper at a higher level than said ram, a chute between the hopper and the cylinder bore, the head, cylinder, ram, hopper and chute forming a unitary structure, and means for pivotally mounting the unitary structure on the frame, said injection head being formed in its side opposite from the nozzle side with a pressure socket, a lever and a crank member pivoted on the frame, and a plunger pin on the crank member having resilient means for yieldably holding the pin toward said injection head, the end of the pin being seated in the pressure socket to yieldably hold the injection head against the die when the lever is swung in the die-head closing direction.

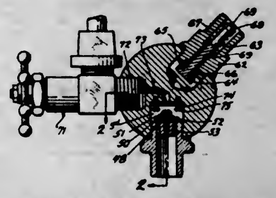
10. In a molding machine, a frame, a hollow die in the frame, an injection unit swingably mounted on the frame, an injection head in said unit, a hand lever pivoted on the frame and having a crank arm fixed thereto, a plunger pin slidably mounted on the crank arm, a spring on said pin normally but yieldably urging it toward said injection head, the injection head on its lower portion having a depression into which the end of the pin seats to move the injection unit against the die when the lever is moved to closing position.

2,484,778
DEVICE FOR BREAKING UP LIQUID DROPLETS IN A GAS STREAM
James R. Alburger, Los Angeles, Calif., assignor of one-half to Iri R. Goshaw, Beverly Hills, Calif.
Application November 29, 1944, Serial No. 565,771
4 Claims. (Cl. 48—180)



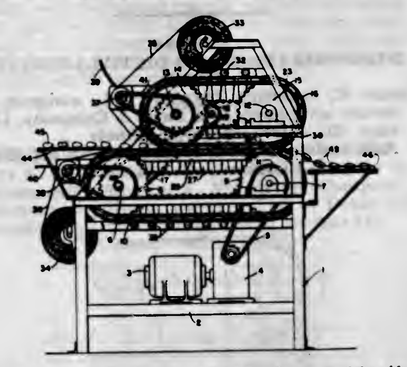
1. A device for breaking up liquid droplets in a liquid-laden gas mixture, comprising a conduit for said mixture, a substantially flat stator disc adapted to be supported by the walls of said conduit, a central opening in said stator disc, a substantially flat rotor disc not structurally connected to any other element and which is larger in circumference than the central opening in said stator disc and disposed below said stator opening, twisted blades extending outwardly from the periphery of said rotor disc, and a supporting structure depending below said rotor disc and from said stator disc to support said rotor disc only when there is no gas flow through said stator opening, said conduit directing said liquid-laden gas mixture toward said stator, the impingement of said mixture on said blades rotating said rotor disc, and the passage of said mixture through said opening and between said stator and rotor bodily translating said rotor off of said supporting structure and to a position immediate adjacent said stator, but separated therefrom by a moving layer of said mixture.

2,484,779
CARBONATED WATER DISPENSER
William C. Buttner, Winnetka, and Harlow E. Allshouse, Chicago, Ill., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application August 9, 1946, Serial No. 689,332
10 Claims. (Cl. 261—11)



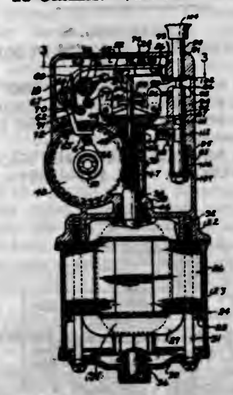
6. A carbonator including a container connected directly to a source of CO_2 under pressure, means for cooling the container from the outside thereof, a conduit means for injecting water into the container including a riser pipe and a spray head at the outlet of the riser pipe located inside the tank above the maximum level of the water in the container, conduit means for withdrawing water from the bottom of the container, and means interconnecting both of said conduit means controlling the flow of water from the withdrawing conduit means to the water injecting conduit means when the water level in the riser pipe falls below the level of the water in the container.

2,484,780
WRAPPING MACHINE AND METHOD OF WRAPPING
Albert B. Clunan and Joseph F. Stalter, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 30, 1946, Serial No. 666,134
22 Claims. (Cl. 18—19)



1. In a wrapping machine, the combination with a pair of opposed belts, the bodies of the belts being deep layers of soft yieldable material inherently compressible and conformable to irregularities of objects placed therebetween, means for driving said belts, of means for feeding overlapping layers of heat-sealable wrapping material between said belts, means for directing the overlapping layers along converging paths into a position between said belts to provide a space therebetween for the insertion of an article to be wrapped, and means for heating the wrapping material prior to its passing between said belts.

2,484,781
WINDSHIELD WIPER MOTOR CONTROL
Irven E. Coffey, St. Louis, Mo., assignor to George R. Ericson, Kirkwood, Mo., as trustee
Application April 9, 1947, Serial No. 740,376
13 Claims. (Cl. 318—466)

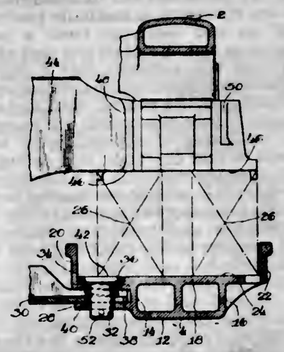


1. A control for an electric motor operated windshield wiper, comprising a switch operable to a closed position for completing an energizing circuit to the motor, and at least two motor operated members, one thereof being rendered effective upon motor operation above a predetermined low speed, to hold the switch in closed position, and operable in response to motor operation below said low speed, to condition the switch for opening actuation, and the other of said members being effective in the latter condition of the switch, to open the switch.

2,484,782
METHOD OF REMOVING ELECTROSCOPIC POWDER FROM AN ELECTROPHOTOGRAPHIC PLATE
Harold E. Copley, Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 27, 1948, Serial No. 11,342
4 Claims. (Cl. 95—1.9)

1. The method of removing electroscopic powder from an electrophotographic plate which consists in flowing over the plate a granular material having an electric charge opposite to that of the electroscopic powder.

2,484,783
RESILIENT SPRING PLANK RETAINER
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 5, 1944, Serial No. 517,063
21 Claims. (Cl. 105—208.2)



9. In a railway car truck, a side frame comprising a spring seat, a bolster-supporting spring group on said seat, a web on the inboard side of said frame beneath said seat, a side frame connecting member having one of its ends seated on said web, and means for securing said member to said frame comprising a rigid part bearing against certain of the springs of said group for urging thereby toward said member, and resilient means compressed between said part and member for holding the latter tightly against said web.

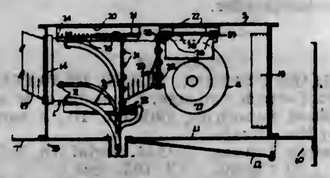
2,484,784
BACTERICIDAL COMPOSITIONS
Arthur Henry Craige, Jr., and Albert L. Kleckner, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware
No Drawing. Application July 17, 1945, Serial No. 605,645
1 Claim. (Cl. 167—65)

A bactericidal composition, having a synergistic effect, containing as the essential active ingredients tyrothricin and 2-2'-dihydroxy-5-5'-dichlorodiphenylmethane.

2,484,785
1,4-DIHYDRAZINO-PHTHALAZINE AND ITS ACID SALTS
Jean Druey, Riehen, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application December 6, 1948, Serial No. 63,861. In Switzerland December 19, 1947
4 Claims. (Cl. 260—250)

1. A compound selected from the group consisting of 1:4-dihydrazino-phthalazine and its acid salts.

2,484,786
RAILWAY PASSENGER CAR
Wilfrid Fall, Haverford Township, Delaware County, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 22, 1945, Serial No. 579,266
1 Claim. (Cl. 98—10)



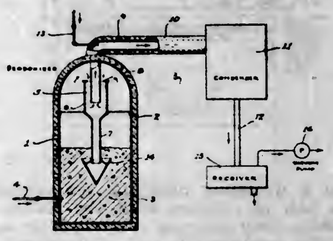
In a railway passenger car in combination with the usual car enclosure, a vestibule partition wall separating an end vestibule from a passenger compartment, a ceiling below the roof of the car extending over the vestibule and a part of the passenger compartment, said partition wall at the top terminating at the ceiling, wall means forming a chamber above the ceiling, air conditioning apparatus consisting of a plurality of separable units housed in said chamber, said ceiling having an opening over the vestibule of a size to pass said units therethrough, a door for closing said opening, slide bracket supports secured to the top wall of said chamber and extending forward from above said opening to the front end over the passenger compartment, said supports being so made as to receive a unit thereon when introduced from the rear end and to permit it to be pushed forward thereon into the position of use, the space behind said supports above the rear end of the opening being clear for the upward movement of a unit to the rear end of the support when the door is open, an air outlet connection from said chamber to the passenger compartment, and air inlets to said chamber at one or more points in the rear portions of the walls thereof.

2,484,787
BATTERY SEPARATOR
John A. Grant, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 14, 1945, Serial No. 582,654
6 Claims. (Cl. 136—145)



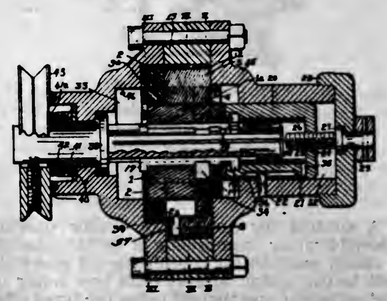
2. A storage battery plate separator comprising superposed porous layers of haphazardly arranged interbonded glass fibers, a microporous septum formed of haphazardly arranged fibers of thermoplastic synthetic resin interjacent said layers, said resin fibers being spaced apart in the septum sufficiently to provide porosity in the septum that permits the flow therethrough of battery electrolyte, and said resin fibers being adhered by the material of the resin fibers to adjoining faces of the superposed layers of glass fibers to bond said layers and septum to each other.

2,484,788
DEODORIZATION AND DISTILLATION OF FATS
James K. Gunther, Decatur, Ind., assignor, by mesne assignments, to Swift & Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1945, Serial No. 580,895
3 Claims. (Cl. 202—66)



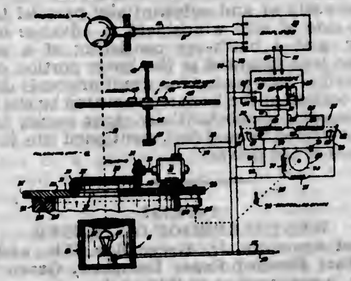
1. A process for deodorizing fats which comprises: confining a body of fat within a still, continuously subjecting the contents of said still to a high degree of vacuum, introducing steam into said body of fat, supplying sufficient heat to said fat to vaporize the impurities existing therein, introducing tangentially the evolved vapors and entrained particles of fat into a cyclone separating zone contained entirely within said still thereby imparting a rapid whirling motion whereby said particles of fat are centrifugally separated from said vapors, reversing the direction of flow of the vapors in said zone while separating said particles of fat from the vapors as a liquid, returning the separated liquid to a point below the surface of said body of fat, and withdrawing the vaporized ingredients from the still.

2,484,789
VARIABLE DISPLACEMENT PUMP AND MOTOR
Myron F. Hill and Francis A. Hill, 2nd, Westport, and John L. Chapin, Jr., Wilton, Conn., assignors to Hill Laboratory, Myron F. Hill, proprietor, Westport, Conn.
Application April 15, 1944, Serial No. 531,266
19 Claims. (Cl. 103—120)



4. In a fluid mechanism, toothed rotary displacement members, one eccentric to the other, the teeth of said members forming rotor chambers which open and close during rotation, a hard fluid pressure-holding bulkhead moulded to the teeth of each rotor member, each bulkhead being relatively slidable with relation to its rotor member and forming an end wall of said chambers, whereby said rotor tooth chambers between said bulkheads are variable in their displacement volume, each bulkhead having radially extending tooth members fitting and sliding upon the teeth of said displacement members, each bulkhead having radial wall portions carrying said radially extending tooth members.

2,484,790
ELECTRIC MOTOR FOLLOW-UP SYSTEM
Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 10, 1943, Serial No. 494,180
17 Claims. (Cl. 318—31)



1. Control apparatus comprising, in combination, a split phase motor having two windings, means supplying alternating voltage of a selected frequency to said windings in reversible 90 degree phase relationship, a generator providing a periodic voltage whose phase is continuously variable in response to a condition, phase shift responsive means reversing the phase relationship between the currents in said windings of said motor in accordance with opposite variations in the phase of said generator output, whereby said motor may be selectively operated in forward and reverse direction in response to opposite changes in said condition, said generator comprising a source of light, electrically light-responsive means, first and second rotatable members between said source and said means, said first mentioned member causing plane polarization of light from said source, said second member transmitting said plane polarized light to said light-responsive means in varying intensity in accordance with its relation to the direction of the plane of said polarization, means continuously rotating said first rotatable member to rotate the plane of said polarization, and means rotating said second rotatable member through an angle determined by said condition.

2,484,791
PURIFICATION OF N¹-SUBSTITUTED SULFANILAMIDES
Victor L. King, Bound Brook, and Edward H. Bart, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 24, 1944, Serial No. 551,056
2 Claims. (Cl. 260—239.6)

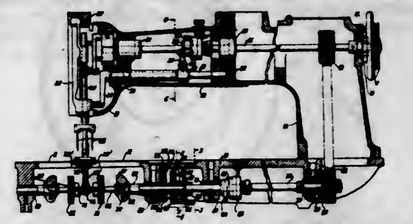
1. In the purification and decolorization of a crude N¹-substituted sulfanilamide contaminated with traces of colored metallic salts, the improvement which comprises forming an aqueous solution of said crude substituted sulfanilamide, adding to said solution a water-soluble, polyhydroxy compound selected from the group consisting of cerelose, sucrose, mannitol, sorbitol, tartaric acid, and gluconic acid, and precipitating and collecting said substituted sulfonamide from said aqueous solution, the weight of polyhydroxy compound added being between 0.1 and 1.0% of the weight of the crude substituted sulfanilamide.

2. The process according to claim 1 wherein the polyhydroxy compound is mannitol.

2,484,792
PROCESS OF MAKING BINARY ASPHALTIC PARTICLES
Gilman B. Mollring, Los Angeles, Calif.
No Drawing. Application August 31, 1945, Serial No. 613,961
4 Claims. (Cl. 117—21)

1. A process of manufacturing separated binary asphaltic particles, which comprises discharging continuous needle-like streams of relatively low melting point hot liquid asphalt into a moving bed of cool finely-divided tempering material comprising solid high melting point asphalt while continuously moving the tempering material away from the point of impingement at such a speed that the liquid asphalt is divided into individual particles which are solidified and coated with the tempering material.

2,484,793
OVERLOAD RELEASE MECHANISM
Henry C. Nissen, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 10, 1946, Serial No. 640,196
9 Claims. (Cl. 112—220)

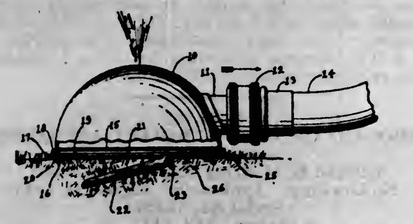


1. In a sewing machine, in combination, a work-support, an endwise reciprocatory and laterally vibratory needle, a rotary loop-taker disposed below said work-support and complemental to said needle in the formation of lock-stitches, a rotary actuating shaft disposed below said work-support, work-feeding mechanism, actuating means carried by said rotary shaft for imparting work advancing movement to said work-feeding mechanism, a rotary loop-taker actuating shaft disposed below said work-support, and driving connections spaced from said feed actuating means and including an overload release clutch between said shafts.

2,484,794
TURF-ANCHORING SPIKE FOR LAWN SPRINKLERS
René L. E. Reuter, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application November 9, 1946, Serial No. 708,995
4 Claims. (Cl. 299—75)

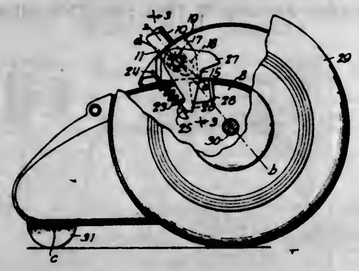
4. A sprinkler unit having a base portion adapted to be set upon a lawn, a detachable hose

connecting coupling leading into said unit, a metal plate member of relatively heavy material secured to the base portion of said unit, a tapered spike element sheared and formed out from the mid-portion of said plate member and disposed at an acute angle relative to the adjacent face of said plate member, and means positioning said plate member so that the longitudinal axis of said spike



element lies in a common plane with the axis of the hose connecting element and the free pointed end of said spike element being disposed away from the hose connection coupling, said acute angle of the spike element being in the order of 15 to 45 degrees whereby the spike element may be axially withdrawn from the lawn turf by a pull upon the hose.

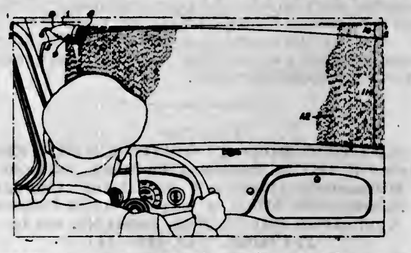
2,484,795
LAWN MOWER HANDLE MOUNTING
Earl L. Schofield, Rockford, Ill., assignor, by mesne assignments, to Andrew F. Wintercorn, Rockford, Ill.
Application October 8, 1945, Serial No. 621,053
10 Claims. (Cl. 56—249)



1. In a lawn mower handle mounting, the combination of spaced frame side portions having bearings thereon with elongated slots provided therein, a handle having a forked lower end providing coaxially arranged pivot portions thereon slidably and pivotally engaged in said slots, forked members fixed on said pivot portions to turn and slide relative to said bearings with the handle pivot portions, the side portions of said forked members engaging said frame at opposite extremes of pivotal movement of said handle to limit such movement, and spring means resisting sliding movement of said handle pivot portions.

2,484,796
LAMP HAVING A LENS FOR ESTABLISHING AN ANTIGLARE SCREEN
Ernest A. Ackerman, Cleveland Heights, Ohio
Application December 29, 1945, Serial No. 638,065
4 Claims. (Cl. 240—7.1)

1. In an apparatus for reducing glare, the combination with the windshield of a vehicle, of a casing interiorly mounting a lamp adapted to be connected with a source of electric current supply said casing having an open end supporting a purple colored lens through which rays emitted by the lamp are projected, means on the inner side of the vehicle for supporting said casing above and at one side of the line of vision of a driver toward an approaching vehicle and in position to support said lens at right angles to said windshield to direct the light rays projected therefrom



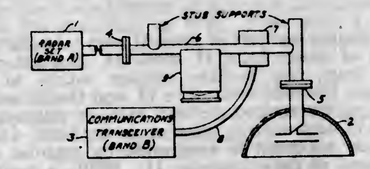
transversely of and substantially parallel to the inner side of said windshield in advance of the driver, and a bull's-eye consisting of a purple colored lens mounted in the lower portion of the side wall of said casing for simultaneously directing a portion of the light rays emitted by the lamp downwardly at substantially right angles to the rays projected by said first mentioned lens toward the eyes of the driver.

2,484,797
WEATHERPROOF DISPENSER
Edward Agamaite, Jr., Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application December 11, 1945, Serial No. 634,179
2 Claims. (Cl. 312—60)



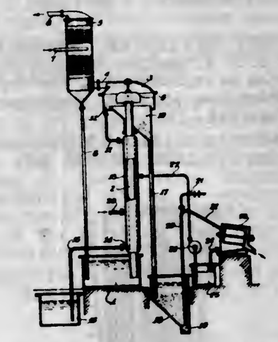
1. A weatherproof dispenser comprising in combination: a downwardly open, upwardly and laterally weathertight casing; a paper dispenser slidable in said casing; coacting stop means comprising a ledge carried by the lower portion of the casing and a second ledge carried by the upper portion of the dispenser acting to prevent complete separation of the dispenser from the casing and to suspend the former from the latter for access to the dispenser for replenishment of paper therein; latch means to hold the dispenser in fully housed position comprising spring actuated latch members carried by the dispenser and moved outwardly into engagement by keepers carried by the casing and finger tabs for retraction of the latches adjacent each other whereby to be operable by digits of one hand; and means to attach the device to a supporting surface.

2,484,798
SIGNAL TRANSMISSION SYSTEM
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 29, 1945, Serial No. 637,966
20 Claims. (Cl. 250—6)



1. In an electric wave signal transmission system; channels for the transmission of signals comprising components in different parts of the frequency spectrum, portions of at least some of said channels being common; a source of a signal connected to one of said channels, said signal including frequency components in a predetermined first frequency band; a source of a second signal connected to another of said channels, said signal comprising frequency components in a predetermined second frequency band, said band being external to said first frequency band; means coupled to said one channel and adapted to exclude from the separate portion thereof signal frequency components in said second frequency band, said means comprising a cavity resonator tuned to resonate at a frequency within said second frequency band; and means coupled to said other channel for substantially confining to said one channel signal frequency components in said first frequency band, said means comprising a cavity resonator tuned to resonate at a frequency within said first frequency band.

2,484,799
PROCESS AND APPARATUS FOR PURIFYING PICKLING ACID AND RECOVERING SULFATES THEREFROM
Norman Swindin, London, England
Application June 20, 1946, Serial No. 678,148
In Great Britain May 9, 1946
6 Claims. (Cl. 23—295)



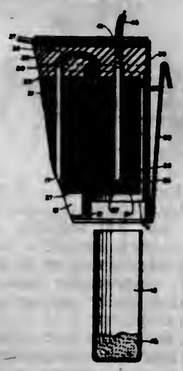
1. A process for purifying and revivifying a solution of metal sulphates in sulphuric acid comprising causing said hot solution with precipitated metal sulphates to ascend a barometric column under high vacuum so as to overflow from the top thereof, evaporating vapors from said overflowing solution under vacuum and absorbing said vapors with sulphuric acid to cool said overflowing solution, collecting said overflowing solution and separating the precipitated metal sulphates therefrom, and causing said overflowing solution from which the precipitated metal sulphates have been separated to flow around said column in a direction counter to the unseparated solution ascending therein to cool said unseparated solution.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

509,998. DRY BATTERIES. Samuel Sussman, New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Filed Nov. 12, 1943. Published Oct. 11, 1949. Class 136—112.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



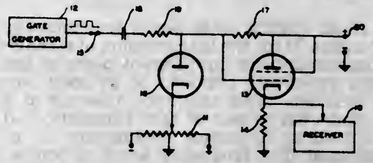
The disclosure relates to a dry cell or battery thereof, wherein "shelf deterioration" is avoided, in that the cells are not electrically activated until they are to be used. The figure shows a fragmentary cross-section of a multiple cell battery.

The zinc case of each cell is made in two parts, a cylindrical zinc tube 11, and a cylindrical zinc cup 13, slidably nested in the tube. Each cell is a complete dry cell except for the electrolyte, which is packed separately, preferably in paste form. The customary depolarizer mix and carbon rod are shown at 21 and 17, respectively. The depolarizer mix is covered by a wrapping of cheese cloth 23, which may be tied in place by a thread 26. When the cell is to be used, the cup, 13, is withdrawn, the activating electrolyte 45 is placed therein, and the cup replaced, and the cell is ready for service. A multiple cell battery may be similarly activated. In this case the bottom flaps 39 of the box 28 are opened, all of the cells are supplied with paste 45, and the flaps 39 are closed. The battery is then ready for use.

In a modified form the tube 11 is made of plastic material or paper-board, instead of zinc. In this case the negative terminal is at the lower end of the cup 13, instead of at the upper end of 11 as shown.

558,041. CONTROL CIRCUITS. Persa R. Bell, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Oct. 10, 1944. Published Oct. 11, 1949. Class 250—20.

This application relates to a circuit for intermittently reducing the gain of a radio receiver 10 by application to a gain controlling terminal thereof of impulses from a source of gating or switching potential 12, while at the same time affording stabilization and manual control of the gain during periods of normal gain. In the absence of pulses from 12, diode 16 conducts current from the positive voltage source at 20 through the high resistance 17, and the potential of its anode applied through cathode follower 13 to 10 is substantially that of its cathode, which cathode potential is controlled by manual adjustment of potentiometer 11. While a positive



pulse applied from 12 causes little change in this potential, condenser 18 is charged thereby; and upon cessation of the pulse, diode 16 is cut off, and a more negative voltage applied to reduce the gain of 10. The gain is maintained at such reduced level until a succeeding positive pulse is applied, or until 18 has discharged through resistors 17, 19 and diode 16 is again conductive.

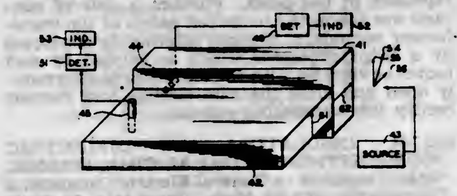
560,225. DISPENSING CONTAINERS. Leo H. Brodrick, Great Neck, N. Y., assignor of one-half to Madeline D. Brodrick. Filed Oct. 25, 1944. Published Oct. 11, 1949. Class 222—499.



The device is a sifter top container with a rotary top wall 30 and a gasket 24, 26 to insure a tight fit and thereby prevent leakage. The container body 10 is tubular in shape and is made of a non-metallic material such as paper or paperboard. The bottom wall 12 is of metal and is crimped to the tubular body. The basic structure of the dispensing end of the container includes a metal ring 14, crimped to the top of the body wall and having an annular flange 20 extending inwardly. The gasket member fits inside the body and rests upon this flange. The gasket member has a large discharge opening 28. In crimping the metal ring on the body an annular portion is bent over the top edge of the body thereby providing a bead 18. The top wall has an annular flange 32. The top wall and the ring are sufficiently resilient to permit assembly

by snapping the top wall flange over the bead. The top wall has sifting perforations 29' which register with dispensing opening 28 by turning the top wall. The container may be filled through the top before the top wall and gasket are attached to the body.

598,150. ANTENNA. Lester C. Van Atta, Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed June 7, 1945. Published Oct. 11, 1949. Class 250—33.63.



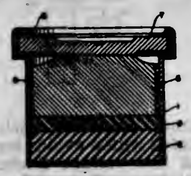
This device relates to antennae capable of polarization discrimination and comparison. Referring to the drawing, vector 54 represents the polarization of an incoming wave and may be resolved into a vertical component 55 and a horizontal component 56. The vertical component 55 induces energy in wave guide 42, as indicated by the vector 61, but does not induce energy in wave guide 41 because of the physical construction and orientation of the latter. In a similar manner, the horizontal component 56 induces energy only in the wave guide 41, this energy being represented by vector 62. Probes 44 and 45 are oriented so as to receive the energy in their respective guides and to apply said energy to detectors 46, 51 and indicators 52, 53. By comparing the indications, the desired polarization characteristics of the input energy may be determined.

In an embodiment not shown, the wave guides containing the probes are arranged to intersect in a junction region and to be fed from a common horn-like receiving structure. A suitably oriented polarization filter, comprising fine parallel wires, is positioned at the entrance to each of the probe-containing guides.

In a further unillustrated embodiment, the probes are inserted radially in the side of a circular receiving wave guide, at one end thereof, and are displaced relatively by 90 degrees.

603,739. PRIMARY CELL. William F. Nye, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Filed July 7, 1945. Published Oct. 11, 1949. Class 136—107.

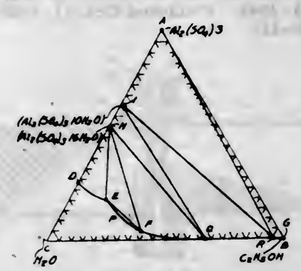
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The disclosure relates to a primary cell having a porous anode, 5, of amalgamated, pressed, zinc powder, the pores containing a viscous electrolyte comprising an aqueous solution of an alkali hydroxide, as KOH, substantially saturated with zinc oxide, and made viscous by an inert thickening agent, which may or may not be soluble in the electrolyte. It may be, for example, a plastic in powdered form, as carboxymethylcellulose, or starch, or other viscosity increasing means. Steel container 1 holds the active elements, including cathode 2, of a depolarizing agent and graphite. Spacer 3, saturated with the electrolyte, may be carboxymethylcellulose or other material. If this material is such that it is eventually dissolved by the electrolyte, any other suitable means may be used to space the cathode from the anode 5, the interelectrode space being filled with electrolyte. Closure 7 is preferably of zinc.

617,888. METHOD OF PURIFYING INORGANIC SALTS BY USE OF ORGANIC SOLVENTS. William K. Cunningham, Hyattsville, Md., Edwin A. Gee, Washington, D. C., and Frank S. Riordan, Jr., Norris, Tenn., assignors to the United States of America as represented for the purpose hereof by the Secretary of the Department of the Interior. Filed Sept. 21, 1945. Published Oct. 11, 1949. Class 23—123.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

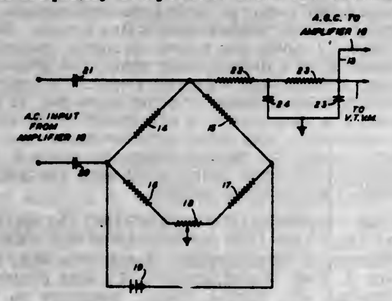


A method for the purification of aluminum sulfate by precipitation of the sulfate from water solution by an organic solvent, for example, ethyl alcohol. A practically iron free aluminum sulfate is produced. The method comprises mixing a solution of aluminum sulfate with an aqueous solution of ethyl alcohol at a temperature within the limits of 25° C. to 70° C. to precipitate crystals of aluminum sulfate, heating the crystal slurry to its isothermal invariant point at which a three-phase system exists consisting of a predominantly aqueous solution of alum, a predominantly alcoholic solution of alum and solid hydrated alum crystals, thereafter slowly cooling the slurry at a rate of 0.2 to 1.0 centigrade degrees per minute until the temperature falls to 45° C. or lower, and separating the crystals of aluminum sulfate. The thermal variant point is preferably within the range of 55° C. to 80° C., depending on the proportions of the three constituents. This condition exists at any point on the diagram of Figure 1 within the area HEF.

620,137. POWER MEASURING DEVICE. Donald B. Sinclair, Concord, Mass., assignor to the United States of America as represented by the Secretary of War. Filed Oct. 3, 1945. Published Oct. 11, 1949. Class 171—95.22.

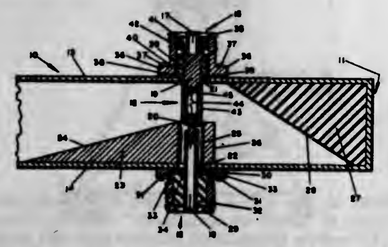
The improvement consists in adding an automatic gain control to amplifier 10 responsive to the balance voltage in the bolometer bridge 15, 16, 17, bolometer 14 and balance set potentiometer 18. This connection gives a logarithmic output to the vacuum tube voltmeter VTVM for inputs of alternating currents to be measured applied through the amplifier 10 to the bolometer bridge when the amplifier is operating in Class

A bias. The R–C filter **22, 24, 23, 25,** removes high frequency components from the automatic



gain control system and the vacuum tube voltmeter.

623,415. **CRYSTAL MIXER.** Ralph H. Hoglund and Anthony J. Yakutis, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Filed Oct. 19, 1945. Published Oct. 11, 1949. Class 178—44–1D.



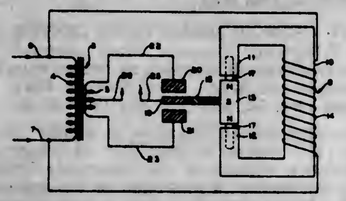
An ultra high frequency wave-guide crystal mixer including a metallic matching wedge element **23** fitted tightly between the narrow sides of waveguide **10** so that its surface **24** starts at the inside surface of waveguide side **14** at a distance not less than one wavelength before the place where crystal unit **12** is located.

Coaxial fittings **16** and **18** are provided for connection to the receiver intermediate frequency section and local oscillator respectively.

In order to dissipate energy not absorbed by the crystal unit there is provided a dielectric vane **27** coated with a layer of glossy material **28,** for example graphite.

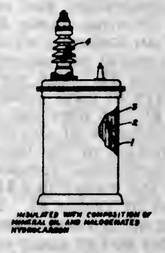
641,163. **MECHANICAL RECTIFIER.** George Hunrath, Asbury Park, N. J. Filed Jan. 14, 1946. Published Oct. 11, 1949. Class 175—373.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The disclosure, as shown on the associated drawing, deals with a full wave rectifier and includes a transformer having a primary and a secondary, an alternating current electromagnet comprising a magnetic core having opposed poles and having a winding thereon, with the winding connected to the alternating current power line in parallel with the primary of the transformer. The rectifier also comprises a permanent magnet armature having one magnetic pole at the middle and the two ends of the armature having the other polarity. The armature is disposed between the poles of the electromagnet, and is preferably slidably mounted in said poles on pins of non-magnetic material for reciprocating or vibrating motion in response to the attraction and repulsion of the poles. Further, a pair of contacts are connected to spaced points of the transformer secondary, and are alternately contacted by a third contactor which is carried by and moves or vibrates with the armature to alternately open and close the load circuits and thereby rectify the alternating current.

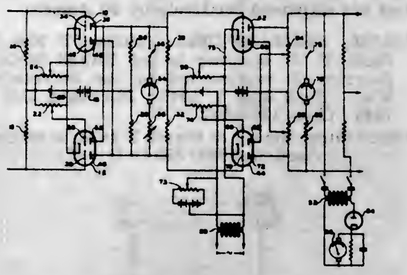
656,744. **INSULATING AND DIELECTRIC COMPOSITIONS.** Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Mar. 23, 1946. Published Oct. 11, 1949. Class 174—17.



From five to fifteen per cent by weight of halogenated aromatic hydrocarbon is added to mineral oil dielectric for the purpose of raising the impulse breakdown voltage of electrical devices having inductive coils and operating in a non-uniform field.

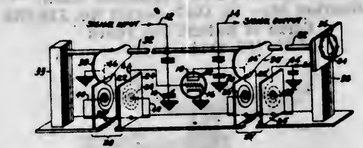
684,902. **DIRECT-CURRENT AMPLIFIER.** Meguer Kalfaian, Asbury Park, N. J. Filed July 19, 1946. Published Oct. 11, 1949. Class 179—171.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A direct current amplifier, with bridge coupling arrangements which avoids zero setting unbalances due to line voltage fluctuations, comprising the two stages of amplification of tubes **10, 12** and **42, 44** respectively; interstage balancing bridge with resistor arms consisting of **26, 28** and coupling resistors **30** and **32;** and corrective tube sections of grid **46,** plate **48** and grid **50,** plate **52.** These corrective tube sections or tubes have their plates each cross connected to the plate of the opposite push-pull tube respectively whose tube characteristics, because they are rarely identical, cause the introduction of unbalanced currents in the output which unbalances are opposed by corrective tube sections **46, 48** and **50, 52** respectively.

51,788. **VARIABLE INDUCTANCE DEVICE.** Robert F. Romero, East Portchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware. Filed Sept. 29, 1948. Published Oct. 11, 1949. Class 171—242.



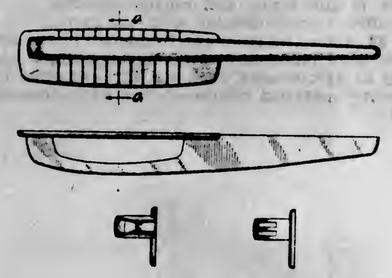
The figure shows an improved form of variable inductance device suitable for tuning electrical circuits. The vacuum tube **10** with its circuitry may be regarded as a simple tuned grid tuned plate radio frequency amplifier stage having an input terminal **12** and an output terminal **14.** The variable inductance unit applied at **20** and **20'** is the subject of the present application.

The element **20** comprises two vertical insulating supports **22** and **24** each supporting a spirally-wound coil **26** and **28** respectively. These vertical supports are then separated to permit passage and positioning of an electrically conducting magnetic shielding element **30** by means of rotatable shaft **32.** The two coils **26** and **28** may then be connected in series with their mutual inductances in an additive (+M) or subtractive (−M) manner. As the shielding element **30** is positioned between the coils to interrupt flux linkages therebetween, the mutual inductance between the coils will be correspondingly varied to provide an extremely large inductance change in the series combination of the coils **26** and **28.** The tracked variable inductances thereby provided in the input and output circuits of the amplifier, in combination with the capacitors **18** and **58,** allow the resonant frequency of the amplifier to be changed over a correspondingly wide band of frequencies such as, for example, the presently assigned broadcast television channels 1–13.

DESIGNS

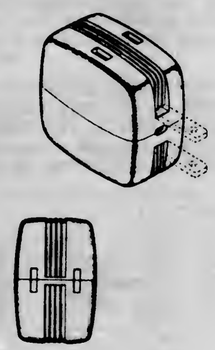
OCTOBER 11, 1949

155,471
DESIGN FOR A HANDLE
Vytant P. Aleks, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application October 21, 1948, Serial No. 149,231
Term of patent 7 years
(Cl. D10—8)



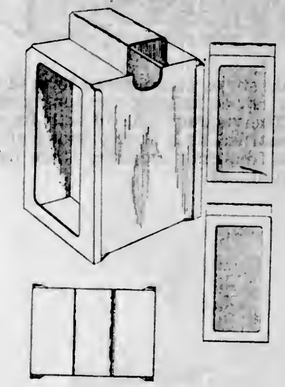
The ornamental design for a handle, substantially as shown.

155,472
DESIGN FOR AN ELECTRIC CUBE TAP
Arthur N. Bec Var, Bridgeport, and Robert Earl Munz, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application June 15, 1948, Serial No. 146,990
Term of patent 14 years
(Cl. D26—1)



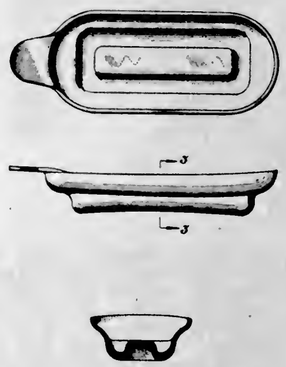
The ornamental design for an electric cube tap, as shown and described.

155,473
DESIGN FOR A STRAW AND NAPKIN HOLDER
Peter Beghetti, San Francisco, Calif.
Application May 26, 1947, Serial No. 139,283
Term of patent 3½ years
(Cl. D44—24)



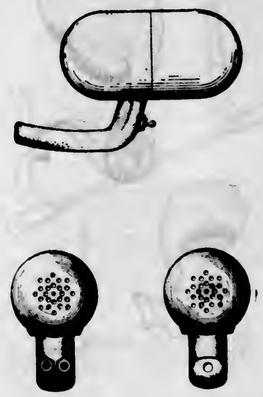
The ornamental design for a straw and napkin holder, as shown.

155,474
DESIGN FOR A DISH
Samuel H. Berch, Beverly Hills, Calif., assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif., a corporation of Delaware
Application July 19, 1947, Serial No. 140,385
Term of patent 14 years
(Cl. D44—15)



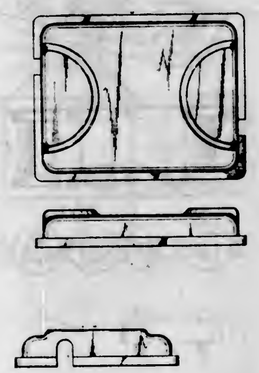
The ornamental design for a dish, as shown.

155,475
DESIGN FOR AN ELECTRIC HAIR DRIER
Richard F. Berndt, Plainfield, N. J., assignor, by mesne assignments, to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application December 26, 1947, Serial No. 143,340
Term of patent 14 years
(Cl. D86—10)



The ornamental design for an electric hair drier, as shown.

155,476
DESIGN FOR A BATTERY DUST COVER
Sidney B. Blakely, St. Paul, Minn., assignor to National Battery Company, St. Paul, Minn., a corporation of Delaware
Application February 16, 1949, Serial No. 903
Term of patent 14 years
(Cl. D26—6)



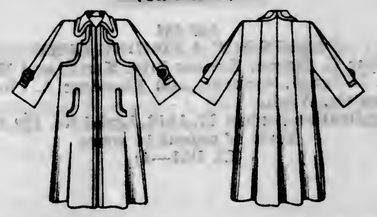
The ornamental design for a battery dust cover, as shown.

155,477
DESIGN FOR A TOY FIGURE
Bertram M. Brown, Providence, R. I., assignor to Resino Plastics Corporation, a corporation of Rhode Island
Application January 30, 1948, Serial No. 144,142
Term of patent 14 years
(Cl. D34—4)



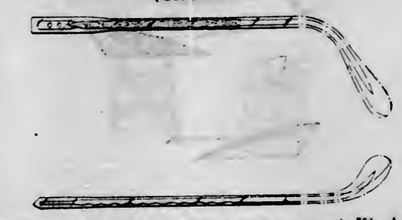
The ornamental design for a toy figure, substantially as shown.

155,478
DESIGN FOR A COAT
Arnold Burell, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 31, 1948, Serial No. 150,479
Term of patent 3½ years
(Cl. D3—4)



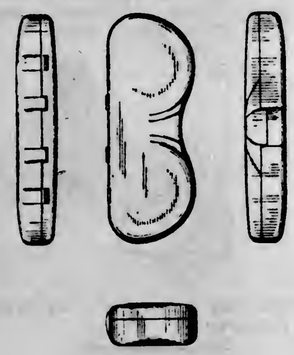
The ornamental design for a coat, substantially as shown.

155,479
DESIGN FOR A NONMETALLIC TEMPLE FOR SPECTACLES OR SIMILAR ARTICLE
Napoleon Samuel Cabana, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application November 6, 1948, Serial No. 149,493
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a nonmetallic temple for spectacles or similar article, substantially as shown and described.

155,480
DESIGN FOR A GOGGLE CASE OR SIMILAR ARTICLE
Charles Castelli, Union City, N. J., assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J., a corporation of New Jersey
Application November 27, 1948, Serial No. 149,849
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a goggle case or similar article, substantially as shown.

155,481
DESIGN FOR A FISHING LURE
Arthur C. Clasen, Kansas City, Kans., and Hugh J. Milligard, Spokane, and Theodore A. Phelps, Seattle, Wash.
Application August 27, 1946, Serial No. 132,896
Term of patent 14 years
(Cl. D31—4)



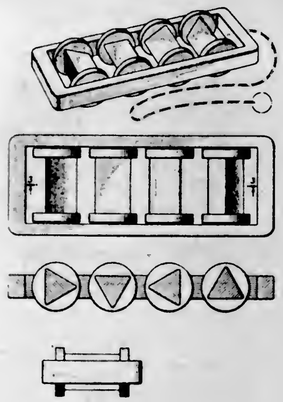
The ornamental design for a fishing lure, as shown and described.

155,482
DESIGN FOR A PORTABLE HAIR DRIER
Edward E. Collison, St. Lucie, Fla.
Application September 27, 1947, Serial No. 141,690
Term of patent 3½ years
(Cl. D86—10)



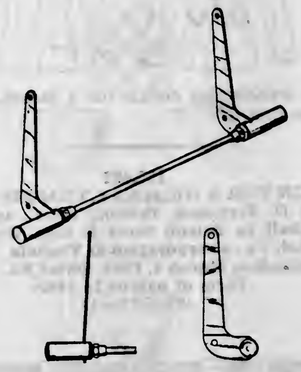
The ornamental design for a portable hair drier, as shown.

155,483
DESIGN FOR A PULL TOY
William P. Colvin, New Rochelle, N. Y., assignor to Colvin Corporation, Long Island City, N. Y., a corporation of New York
Application January 24, 1948, Serial No. 144,069
Term of patent 14 years
(Cl. D34—15)



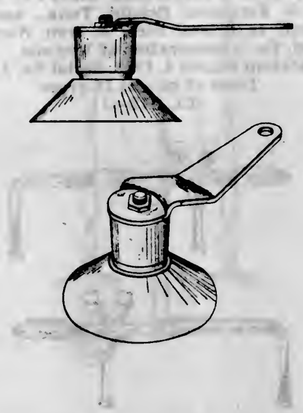
The ornamental design for a pull toy, substantially as shown.

155,484
DESIGN FOR A MOTORCYCLE SPOTLIGHT MOUNTING BRACKET
Joseph W. Comiskey and Anthony T. Comiskey, Sr., Chicago, Ill.
Application December 15, 1948, Serial No. 150,164
Term of patent 14 years
(Cl. D90—13)



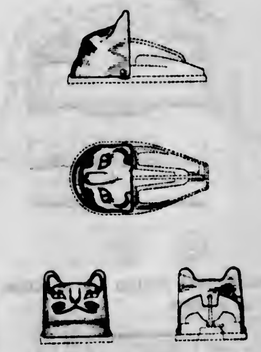
The ornamental design for a motorcycle spotlight mounting bracket, substantially as shown.

155,485
DESIGN FOR A CLOTHESLINE PULLEY ASSEMBLY
John W. Conway, Bridgeport, Conn.
Application May 21, 1947, Serial No. 139,188
Term of patent 7 years
(Cl. D49—1)



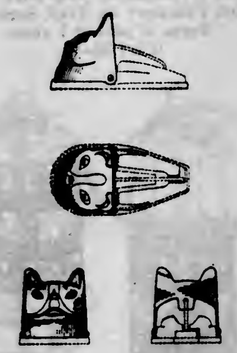
The ornamental design for a clothesline pulley assembly, substantially as shown.

155,486
DESIGN FOR AN ANIMAL TRAP OR THE LIKE
Chester L. Cook, Chicago, Ill., assignor to Nathan R. Sklar, Chicago, Ill.
Application September 8, 1948, Serial No. 148,505
Term of patent 14 years
(Cl. D31—4)



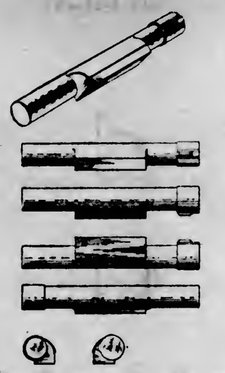
The ornamental design for an animal trap or the like, as shown and described.

155,487
DESIGN FOR AN ANIMAL TRAP OR THE LIKE
Chester L. Cook, Chicago, Ill., assignor to Nathan R. Sklar, Chicago, Ill.
Application September 8, 1948, Serial No. 148,506
Term of patent 14 years
(Cl. D31—4)



The ornamental design for an animal trap or the like, as shown and described.

155,488
DESIGN FOR A PURSE LIGHT
John W. Crockett, Buffalo, N. Y.
Application May 27, 1949, Serial No. 2,921
Term of patent 3½ years
(Cl. D48—24)



The ornamental design for a purse light, substantially as shown.

155,489
DESIGN FOR A TOILET BOWL CLEANER
Edwin B. de Mesquita, Jamaica, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application December 13, 1947, Serial No. 143,129
Term of patent 3½ years
(Cl. D9—2)



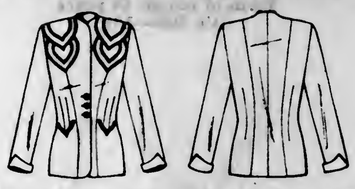
The ornamental design for a toilet bowl cleaner, as shown.

155,490
DESIGN FOR A CIGARETTE DISPENSER
David W. Dunberg, New York, N. Y.
Application February 24, 1949, Serial No. 1,060
Term of patent 7 years
(Cl. D85—2)



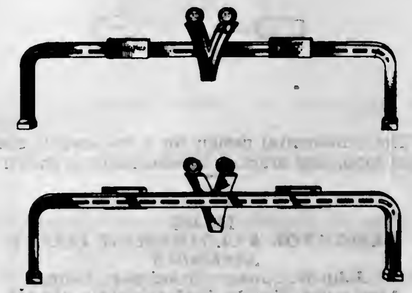
The ornamental design for a cigarette dispenser, substantially as shown.

155,491
DESIGN FOR A JACKET
Simeon Ethin, New York, N. Y.
Application December 20, 1948, Serial No. 150,247
Term of patent 3½ years
(Cl. D2—4)



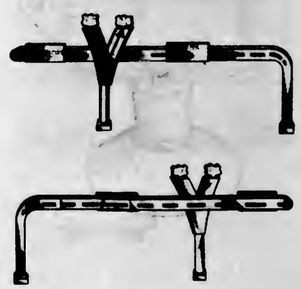
The ornamental design for a jacket, substantially as shown.

155,492
DESIGN FOR A HIGHWAY TRAFFIC SIGNAL
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
Application March 4, 1948, Serial No. 144,898
Term of patent 14 years
(Cl. D72—1)



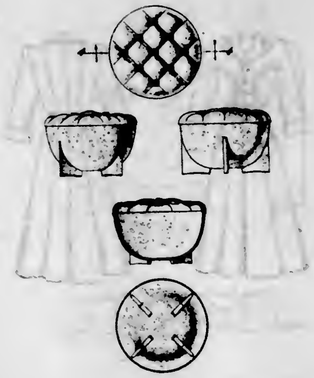
The ornamental design for a highway traffic signal, as shown and described.

155,493
DESIGN FOR A HIGHWAY TRAFFIC SIGNAL
Robert O. Ferguson, Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va., a corporation of Virginia
Application March 4, 1948, Serial No. 144,899
Term of patent 14 years
(Cl. D72—1)



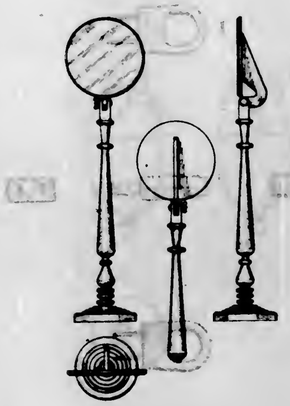
The ornamental design for a highway traffic signal, as shown and described.

155,494
DESIGN FOR A POWDER BOX
Jack Fairchild Fleming, Scarsdale, N. Y., assignor to Sterling Plastics Company, Union, N. J., a corporation of New Jersey
Application September 17, 1948, Serial No. 148,637
Term of patent 3½ years
(Cl. D36—10)



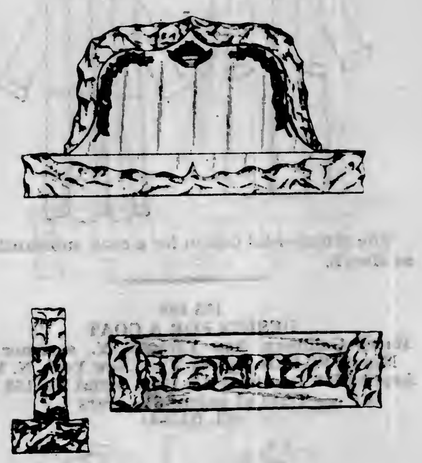
The ornamental design for a powder box, as shown and described.

155,495
DESIGN FOR A COMBINED PEDESTAL AND MIRROR
Gus R. Fitzgerald, Ponca City, Okla.
Application February 16, 1948, Serial No. 144,517
Term of patent 14 years
(Cl. D33—9)



The ornamental design for a combined pedestal and mirror, as shown.

155,496
DESIGN FOR A TOMBSTONE
John A. Gardner, Salisbury, N. C.
Application August 2, 1948, Serial No. 147,897
Term of patent 14 years
(Cl. D79—2)



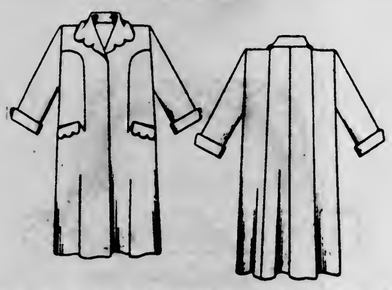
The ornamental design for a tombstone, substantially as shown, and described.

155,497
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 13, 1948, Serial No. 150,115
Term of patent 3½ years
(Cl. D2—4)



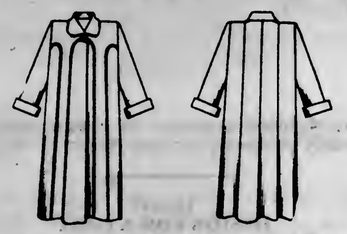
The ornamental design for a coat, substantially as shown.

155,498
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 15, 1948, Serial No. 150,171
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

155,499
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 15, 1948, Serial No. 150,172
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

155,500
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 16, 1948, Serial No. 150,180
Term of patent 3½ years
(Cl. D3—4)



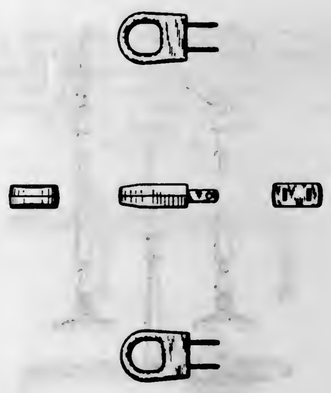
The ornamental design for a coat, substantially as shown.

155,501
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application December 23, 1948, Serial No. 150,338
Term of patent 3½ years
(Cl. D3—4)



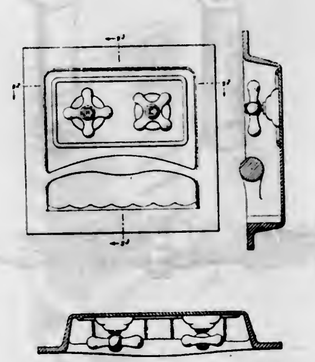
The ornamental design for a coat, substantially as shown.

155,502
DESIGN FOR AN ELECTRIC PLUG CONNECTOR
Wayne T. Gossard, Los Angeles, Calif.
Application June 3, 1949, Serial No. 3,034
Term of patent 14 years
(Cl. D26—1)



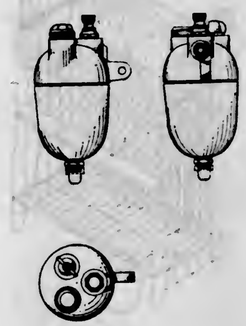
The ornamental design for an electric plug connector, substantially as shown.

155,503
DESIGN FOR A RECESSED TYPE BATHROOM FIXTURE
Henry Gruen, New York, N. Y.
Application February 5, 1948, Serial No. 144,307
Term of patent 14 years
(Cl. D4—3)



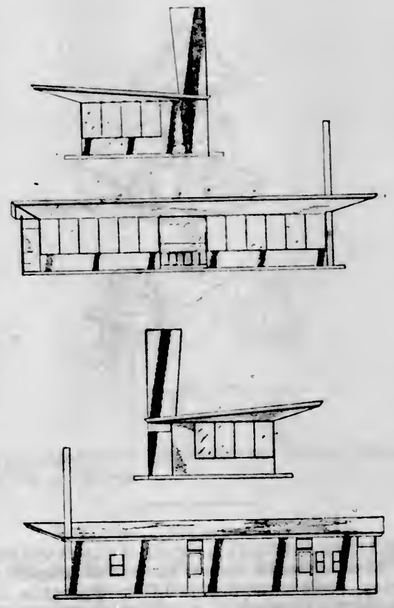
The ornamental design for a recessed type bathroom fixture, as shown and described.

155,504
DESIGN FOR ANTIOFFSET DRY POWDER GUN OR THE LIKE
Eric Gustafsson and John W. Baur, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 27, 1947, Serial No. 137,941
Term of patent 14 years
(Cl. D62—2)



The ornamental design for an antioffset dry powder gun or the like, as shown.

155,505
DESIGN FOR A DRIVE-IN RESTAURANT OR THE LIKE
Nelson D. Gustin, East Palo Alto, Earl W. Hartung, San Mateo, and Monroe A. Selo, Oakland, Calif.
Application April 26, 1948, Serial No. 145,956
Term of patent 14 years
(Cl. D13—1)



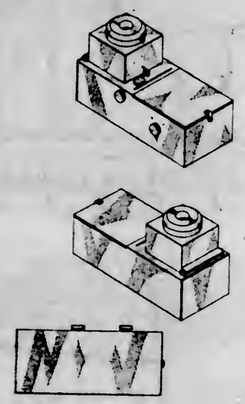
The ornamental design for a drive-in restaurant or the like, substantially as shown.

155,506
DESIGN FOR A WATCHCASE
Jack Gutschneider, Mount Vernon, N. Y.
Application June 16, 1949, Serial No. 3,310
Term of patent 3½ years
(Cl. D42—7)



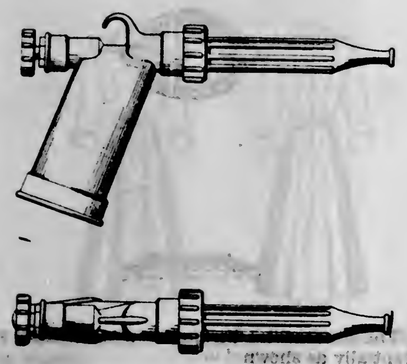
The ornamental design for a watchcase, substantially as shown.

155,507
DESIGN FOR A PHOTOGRAPHIC EXPOSING, DEVELOPING, AND PRINTING APPARATUS
David D. Hatfield, Los Angeles, Calif., assignor to Danaco Corporation, Santa Monica, Calif., a corporation of California
Application June 30, 1947, Serial No. 140,009
Term of patent 3½ years
(Cl. D61—1)

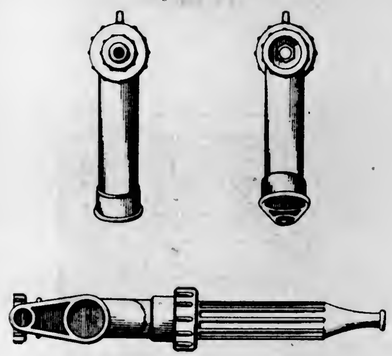


The ornamental design for a photographic exposing, developing, and printing apparatus, substantially as shown.

155,508
DESIGN FOR A SPRAYING DEVICE
Douglas D. Heimburger, Beverly Hills, Calif.
Application April 19, 1948, Serial No. 145,814
Term of patent 14 years
(Cl. D62—2)



155,508—Continued



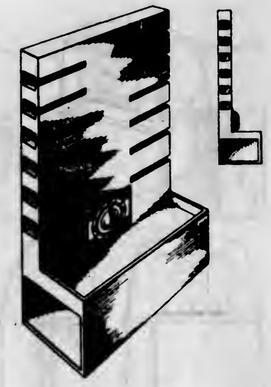
The ornamental design for a spraying device, substantially as shown.

155,509
DESIGN FOR A DISPLAY RACK
Ira Hertzberg, Yonkers, N. Y., assignor to H. Hertzberg & Son, Inc., New York, N. Y., a corporation of New York
Application July 22, 1948, Serial No. 147,711
Term of patent 7 years
(Cl. D86—10)



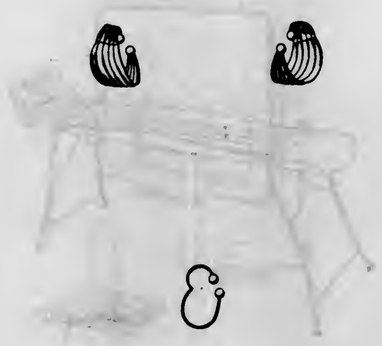
The ornamental design for a display rack, substantially as shown.

155,510
DESIGN FOR A HAIR TEST BOARD
Donald E. Hess, Seattle, Wash.
Application September 8, 1947, Serial No. 141,245
Term of patent 3½ years
(Cl. D52—1)



The ornamental design for a hair test board, as shown.

155,511
DESIGN FOR AN EAR PENDANT
Josef Janousek, Vienna, Austria
Application May 5, 1949, Serial No. 2,469
Term of patent 3½ years
(Cl. D45—9)



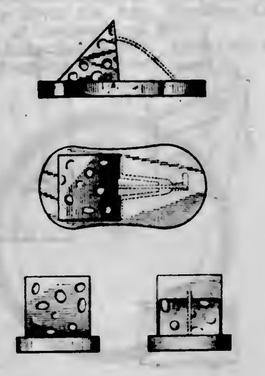
The ornamental design for an ear pendant, as shown.

155,512
DESIGN FOR AN ANIMAL TRAP OR THE LIKE
Charles E. Jones, Chicago, Ill., assignor to Nathan R. Sklar, Chicago, Ill.
Application September 8, 1948, Serial No. 148,503
Term of patent 14 years
(Cl. D31—4)



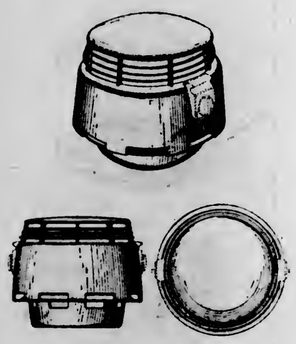
The ornamental design for an animal trap or the like, as shown.

155,513
DESIGN FOR AN ANIMAL TRAP OR THE LIKE
Charles E. Jones, Chicago, Ill., assignor to Nathan R. Sklar, Chicago, Ill.
Application September 8, 1948, Serial No. 148,504
Term of patent 14 years
(Cl. D31—4)



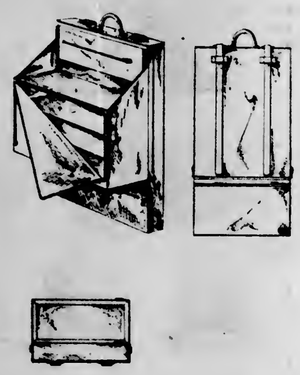
The ornamental design for an animal trap or the like, as shown and described.

155,514
DESIGN FOR AN ELECTRIC CIRCULATING FLOOR FAN
Charles E. Jones, Chicago, and Robert H. Crowle, Berwyn, Ill., assignors to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application April 2, 1949, Serial No. 1,776
Term of patent 14 years
(Cl. D26—7)



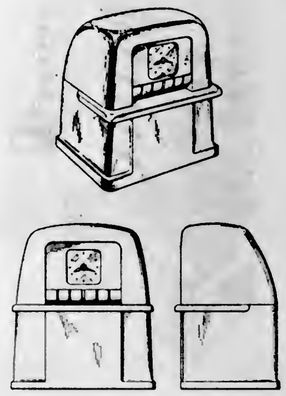
The ornamental design for an electric circulating floor fan, substantially as shown.

155,515
DESIGN FOR A PORTABLE WARDROBE OR SIMILAR ARTICLE
Alfred P. Kitson, Aptos, Calif.
Application February 19, 1947, Serial No. 137,023
Term of patent 3½ years
(Cl. D87—5)



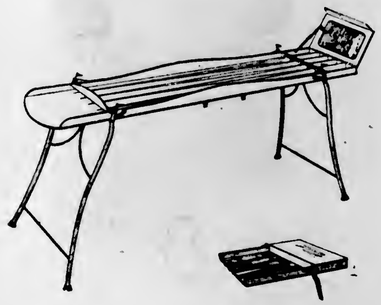
The ornamental design for a portable wardrobe or similar article, as shown and described.

155,516
DESIGN FOR A TIME RECORDING MACHINE
George H. Kress, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 30, 1948, Serial No. 145,452
Term of patent 14 years
(Cl. D64—10)



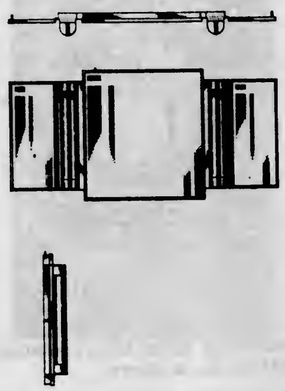
The ornamental design for a time recording machine, as shown.

155,517
DESIGN FOR A SHUFFLE BOARD GAME DEVICE
George T. Kruithof and John W. K. Jurrat, Glendale, Calif.
Application December 1, 1947, Serial No. 142,904
Term of patent 14 years
(Cl. D34—5)



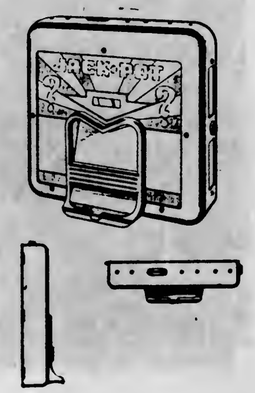
The ornamental design for a shuffle board game device, substantially as shown.

155,518
DESIGN FOR A FRONT FOR AN ILLUMINABLE MIRROR CABINET
Carl A. Laystrom, Decatur, and Howard R. Sigler, Argenta, Ill., assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1948, Serial No. 145,196
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a front for an illuminable mirror cabinet, as shown.

155,519
DESIGN FOR A COIN DISPENSING MACHINE
Raymond A. Leach, Los Angeles, Calif.
Application April 5, 1948, Serial No. 145,527
Term of patent 3½ years
(Cl. D52—3)



The ornamental design for a coin dispensing machine, substantially as shown.

155,520
DESIGN FOR A LIPSTICK HOLDER
William H. Leavin, New York, N. Y.
Application July 9, 1948, Serial No. 147,479
Term of patent 7 years
(Cl. D86—10)



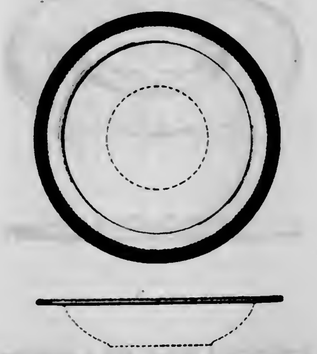
The ornamental design for a lip stick holder, substantially as shown and described.

155,521
DESIGN FOR A COMPACT OR SIMILAR ARTICLE
William H. Leavin, New York, N. Y.
Application July 29, 1948, Serial No. 147,827
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a compact or similar article, substantially as shown.

155,522
DESIGN FOR A DISH OR SIMILAR ARTICLE
Isadore A. Lipman, Meriden, Conn., assignor to The Elmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application September 11, 1947, Serial No. 141,323
Term of patent 14 years
(Cl. D44—15)



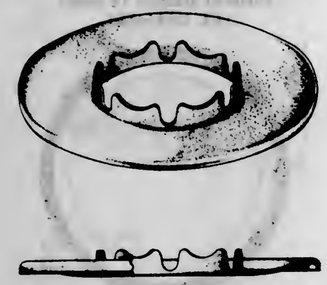
The ornamental design for a dish or similar article, substantially as shown and described.

155,523
DESIGN FOR A DISH OR SIMILAR ARTICLE
Isadore A. Lipman, Meriden, Conn., assignor to The Elmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application September 11, 1947, Serial No. 141,324
Term of patent 14 years
(Cl. D44—15)



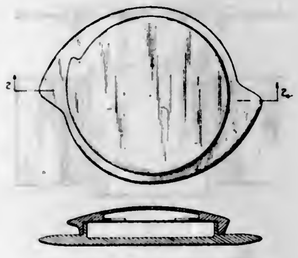
The ornamental design for a dish or similar article, substantially as shown and described.

155,524
DESIGN FOR A COMBINED COVER AND CIGARETTE, CIGAR, AND PIPE REST FOR ASH TRAYS
Edward F. McDonald, Buffalo, N. Y.
Application May 11, 1948, Serial No. 146,286
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a combined cover and cigarette, cigar and pipe rest for ash trays, as shown.

155,525
DESIGN FOR A CONTAINER FOR COSMETICS AND THE LIKE
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application August 24, 1948, Serial No. 146,271
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a container for cosmetics and the like, as shown.

155,526
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application February 19, 1949, Serial No. 965
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

155,527
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application February 19, 1949, Serial No. 966
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

155,528
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application February 19, 1949, Serial No. 967
Term of patent 3½ years
(Cl. D92—1)



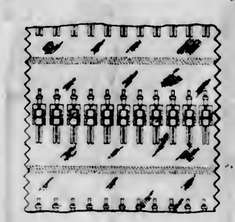
The ornamental design for a textile fabric or similar article, substantially as shown and described.

155,529
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Mabs, Inc., Los Angeles, Calif., a corporation of California
Application February 19, 1949, Serial No. 968
Term of patent 3½ years
(Cl. D92—1)



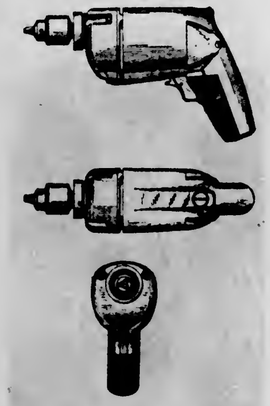
The ornamental design for a textile fabric or similar article, substantially as shown and described.

155,530
DESIGN FOR A TEXTILE FABRIC
Ruth Montrose, New York, N. Y.
Application November 6, 1948, Serial No. 149,491
Term of patent 3½ years
(Cl. D92—1)



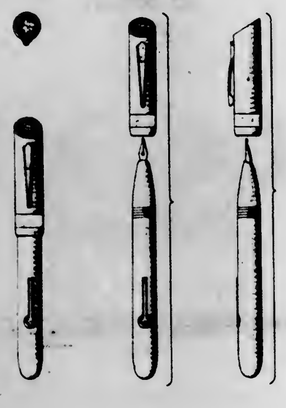
The ornamental design for a textile fabric, as shown.

155,531
DESIGN FOR AN ELECTRIC TOOL UNIT
Whitfield Moretti, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application December 1, 1948, Serial No. 149,911
Term of patent 14 years
(Cl. D54—14)



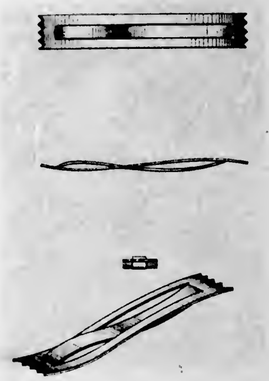
The ornamental design for an electric tool unit, as shown.

155,532
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Louis Morrison, New York, N. Y.
Application April 16, 1948, Serial No. 145,764
Term of patent 14 years
(Cl. D74—17)



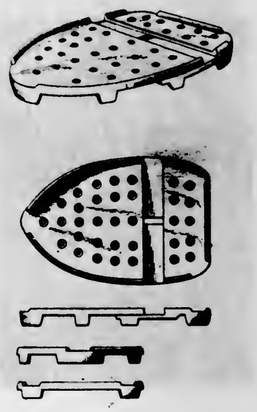
The ornamental design for a fountain pen or similar article, substantially as shown.

155,533
DESIGN FOR A NOODLE OR SIMILAR ARTICLE
Samuel Mueller, Maplewood, N. J., assignor to C. F. Mueller Company, Hudson County, N. J., a corporation of New Jersey
Application September 12, 1947, Serial No. 141,363
Term of patent 14 years
(Cl. D8—1)



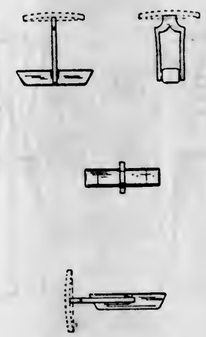
The ornamental design for a noodle or similar article, substantially as shown.

155,534
DESIGN FOR AN ADJUSTABLE FLATIRON STAND
Harry Noordhof, Grand Haven, Mich.
Application May 3, 1948, Serial No. 146,133
Term of patent 7 years
(Cl. D49—6)



The ornamental design for an adjustable flatiron stand, substantially as shown.

155,535
DESIGN FOR A CUFF LINK OR SIMILAR ARTICLE
Jacob M. Oldak, Brooklyn, N. Y.
Application June 18, 1948, Serial No. 147,045
Term of patent 14 years
(Cl. D17—7)



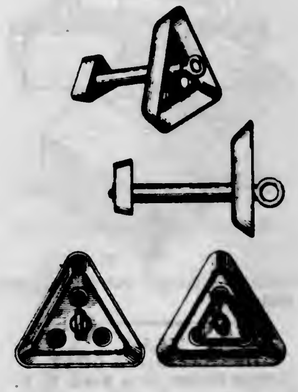
The ornamental design for a cuff link or similar article, as shown and described.

155,536
DESIGN FOR A CIGARETTE HOLDER
Elwin L. Pickering, Los Angeles, Calif., and Clarence E. Pickering, Sr., Fort Wayne, Ind.
Application August 14, 1948, Serial No. 148,126
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a cigarette holder, as shown.

155,537
DESIGN FOR AN ANCHOR
Paul W. Polenz, La Jolla, Calif.
Application August 22, 1947, Serial No. 140,996
Term of patent 14 years
(Cl. D71—1)



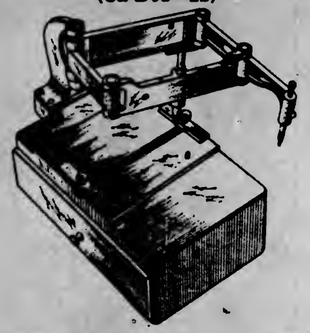
The ornamental design for an anchor, as shown.

155,538
DESIGN FOR A TABLE LIGHTER
Paul Pouliot, Montreal, Quebec, Canada, assignor to Presto Lighters Limited, Montreal, Quebec, Canada
Application August 3, 1949, Serial No. 4,269
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a table lighter, as shown.

155,539
DESIGN FOR AN ENGRAVING MACHINE
Martin H. Preis, Cranford, and Jakob A. Hoffmann, Lyndhurst, N. J., assignors to H. P. Preis Engraving Machine Co., Newark, N. J., a partnership
Application August 20, 1947, Serial No. 140,952
Term of patent 14 years
(Cl. D64—11)



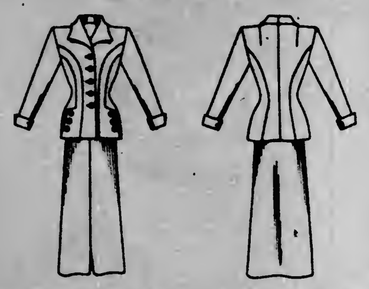
The ornamental design for an engraving machine, as shown.

155,540
DESIGN FOR A COAT
George Reiter, New York, N. Y.
Application December 3, 1948, Serial No. 149,953
Term of patent 3½ years
(Cl. D3—4)



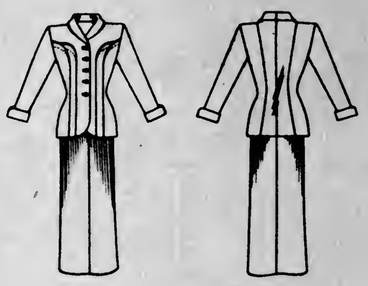
The ornamental design for a coat, substantially as shown.

155,541
DESIGN FOR A SUIT
George Reiter, New York, N. Y.
Application December 3, 1948, Serial No. 149,954
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

155,542
DESIGN FOR A SUIT
George Reiter, New York, N. Y.
Application December 3, 1948, Serial No. 149,955
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

155,543
DESIGN FOR A SUIT
George Reiter, New York, N. Y.
Application December 3, 1948, Serial No. 149,956
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

155,544
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application June 11, 1948, Serial No. 146,913
Term of patent 7 years
(Cl. D3—32)



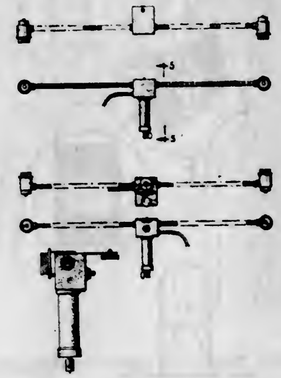
The ornamental design for an orphrey or similar article, substantially as shown.

155,545
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application June 11, 1948, Serial No. 146,914
Term of patent 7 years
(Cl. D3—32)



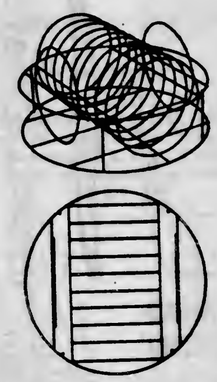
The ornamental design for an orphrey or similar article, substantially as shown.

155,546
DESIGN FOR A COMBINED CAMERA SUPPORT AND FLOODLIGHT LAMP HOLDER
Abraham Scostky and Murray A. Meisel, New York, and Alexander Zalman, Kew Gardens Hills, N. Y.
Application December 20, 1948, Serial No. 150,272
Term of patent 14 years
(Cl. D61—1)



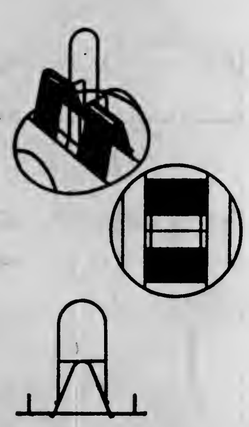
The ornamental design for a combined camera support and floodlight lamp holder, substantially as shown and described.

155,547
DESIGN FOR A PHONOGRAPH RECORD HOLDER
Milton B. Smith, Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application April 15, 1948, Serial No. 145,741
Term of patent 7 years
(Cl. D33—2)



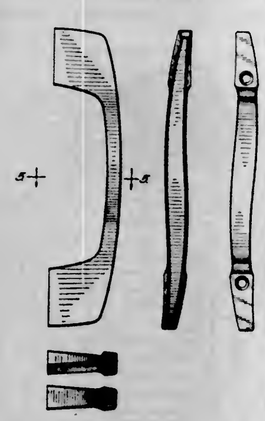
The ornamental design for a phonograph record holder, as shown.

155,548
DESIGN FOR A PHONOGRAPH RECORD HOLDER FRAME
Milton B. Smith, Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application April 15, 1948, Serial No. 145,742
Term of patent 7 years
(Cl. D32—2)



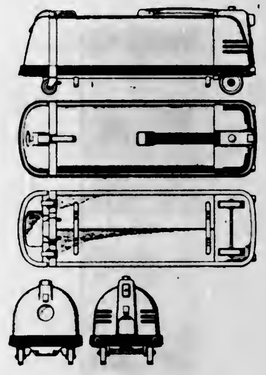
The ornamental design for a phonograph record holder frame, as shown.

155,549
DESIGN FOR A HANDLE
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application October 21, 1948, Serial No. 149,229
Term of patent 7 years
(Cl. D10—8)



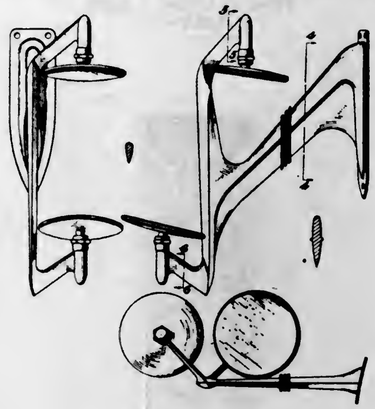
The ornamental design for a handle, substantially as shown.

155,550
DESIGN FOR A VACUUM CLEANER
Frederick K. Storm, Jr., Los Angeles, Calif., assignor to Filtex Corporation, Los Angeles, Calif., a corporation of Michigan
Application November 1, 1948, Serial No. 149,422
Term of patent 14 years
(Cl. D9—5)



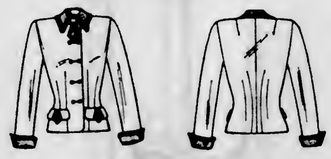
The ornamental design for a vacuum cleaner, as shown.

155,551
DESIGN FOR AN AUTOMOBILE MIRROR
Robert K. Storts, Delavan, Wis., assignor to Passing Eye, Inc., Kenosha, Wis., a corporation of Wisconsin
Application June 9, 1948, Serial No. 146,852
Term of patent 14 years
(Cl. D14—6)



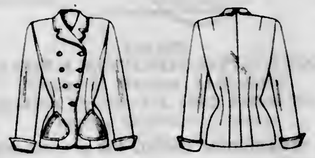
The ornamental design for an automobile mirror, as shown.

155,552
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,253
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

155,553
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,257
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

155,554
DESIGN FOR A COAT
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,265
Term of patent 3½ years
(Cl. D3—4)



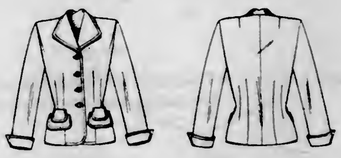
The ornamental design for a coat, substantially as shown.

155,555
DESIGN FOR A COAT
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,266
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

155,556
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,267
Term of patent 3½ years
(Cl. D3—4)



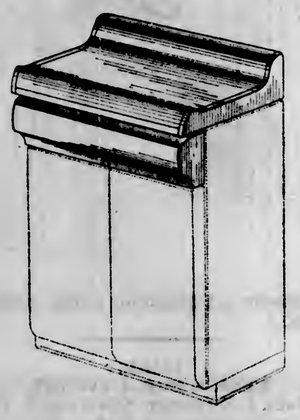
The ornamental design for a jacket, substantially as shown.

155,557
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,268
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

155,558
DESIGN FOR A KITCHEN CABINET
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Sears, Roebuck & Co., Chicago, Ill., a corporation of New York
Application August 25, 1947, Serial No. 141,098
Term of patent 14 years
(Cl. D32—19)



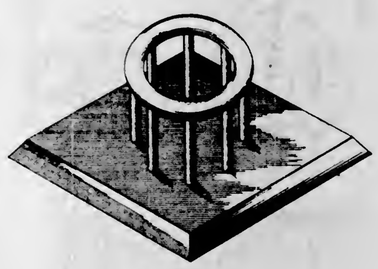
The ornamental design for a kitchen cabinet, substantially as shown and described.

155,559
DESIGN FOR A COSMETIC BOX OR THE LIKE
Richard O. Tillmann, Merrick, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 126,428
Term of patent 14 years
(Cl. D58—13)



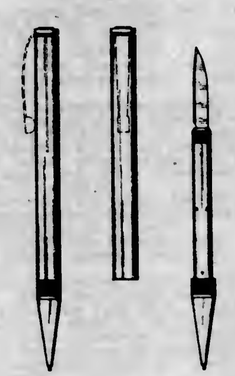
The ornamental design for a cosmetic box or the like, as shown.

155,560
DESIGN FOR A GLASS HOLDER
John W. Toland, Clearwater, Fla.
Application September 9, 1947, Serial No. 141,277
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a glass holder, as shown.

155,561
DESIGN FOR A COMBINATION MECHANICAL PENCIL AND KNIFE
Jacob M. Weiss, New York, N. Y.
Application February 14, 1948, Serial No. 144,507
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a combination mechanical pencil and knife, substantially as shown and described.

155,562
DESIGN FOR A MUCILAGE APPLICATOR UNIT
Arthur C. Werner, Lodi, Calif.
Application February 4, 1949, Serial No. 685
Term of patent 3½ years
(Cl. D74—10)

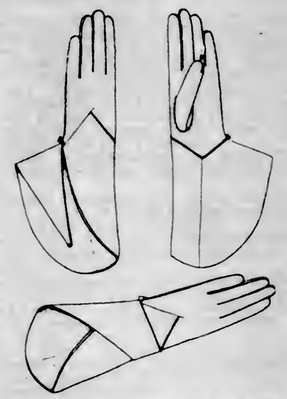


155,562—Continued.



The ornamental design for a mucilage applicator unit, as shown.

155,563
DESIGN FOR A GLOVE
Margaret Wiesenthal, New York, N. Y., assignor to Gloria Gloves, Inc., New York, N. Y., a corporation of New York
Application April 20, 1948, Serial No. 145,824
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acme Screen Company, Inc., Dallas, Tex. Venetian blinds. Serial No. 535,779, Oct. 11. Class 32.

Acme Venetian Blind Co., Chicago, Ill. Venetian window blinds. Serial No. 532,898, Oct. 11. Class 32.

Acorn Insulated Wire Company, Inc., Brooklyn, N. Y. Insulated electric wire and cable. Serial No. 562,297, Oct. 11. Class 21.

Airborne Accessories Corporation, Hillside, N. J. Electromechanical apparatus in the nature of a rotary actuator. Serial No. 561,870, Oct. 11. Class 21.

Airway Exterminating & Products Company, Chicago, Ill. Insect and rodent extermination and fumigation of buildings, boats and other structures. Serial No. 567,014, Oct. 11. Class 55.

Ajax Manufacturing Corporation, Detroit, Mich. Motor vehicle accessories and replacement parts for same. Serial No. 566,847, Oct. 11. Class 19.

Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. Serial No. 550,200, Oct. 11. Class 39.

Allen Products Corporation, Detroit, Mich. Automobile accessories. Serial No. 566,738, Oct. 11. Class 19.

Altman, B., & Co., New York, N. Y. Hand bags, knitted bags, billfolds, etc. Serial No. 570,152, Oct. 11. Class 3.

American Brake Shoe Company, New York, N. Y. Air compressors, motor driven air compressor units, engine driven air compressor units, etc. Serial No. 557,717, Oct. 11. Class 23.

Amurol Products Company, Chicago, Ill. Dentifrices in powder form. Serial No. 558,339, Oct. 11. Class 6.

Apple Growers Association, Hood River, Oreg. Fresh deciduous fruits. Serial No. 530,153, Oct. 11. Class 46.

Arkwright, Incorporated, New York, N. Y. Outer shirts for men and boys. Serial No. 563,974, Oct. 11. Class 39.

Armour and Company, Chicago, Ill. Fat back pork. Serial No. 526,944, Oct. 11. Class 46.

Armour and Company, Chicago, Ill., doing business under the trade style Jacob E. Decker Goods & Sons. Pork sausage. Serial No. 560,436, Oct. 11. Class 46.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 568,563, Oct. 11. Class 19.

Auto Trunk Distributors, Inc., Brooklyn, N. Y. Automobile seat covers and canvas tops. Serial No. 525,280, Oct. 11. Class 19.

Automatic Electric Company, Chicago, Ill. Telephone switching equipment and apparatus and parts thereof. Serial No. 557,884, Oct. 11. Class 21.

Avco Manufacturing Corporation, Detroit, Mich. Clothes washing machines. Serial No. 556,308, Oct. 11. Class 24.

Bachmann Bros., Inc., Philadelphia, Pa. Sun glasses. Serial No. 519,165, Oct. 11. Class 26.

Bachmann Bros., Inc., Philadelphia, Pa. Sun glasses. Serial No. 519,167, Oct. 11. Class 26.

Bakers Associates Incorporated, Chicago, Ill. Management counseling to the bakery industry. Serial No. 560,856, Oct. 11. Class 55.

Bantam-Lite, Inc., New York, N. Y. Pocket electric flashlights. Serial No. 562,305, Oct. 11. Class 21.

Barrett, Paul, doing business as Skystreak Records, San Francisco, Calif. Grooved phonograph records. Serial No. 559,899, Oct. 11. Class 36.

Basic Foods, Inc., New York, N. Y. Icing. Serial No. 559,672, Oct. 11. Class 46.

Belk's Buying Service, Incorporated, Charlotte, N. C. Women's slips. Serial No. 556,542, Oct. 11. Class 39.

Bell & Gossett Company, Morton Grove, Ill. Electrically operated motorized valves, combination electrically operated motorized valves, etc. Serial No. 523,350, Oct. 11. Class 21.

Belle Center Creamery and Cheese Company, Belle Center, Ohio. Milk sugar residue. Serial No. 549,493, Oct. 11. Class 46.

Besly, Charles H., and Company, Chicago, Ill. Industrial grinders. Serial No. 547,964, Oct. 11. Class 23.

Binns, J. H., and Company Limited, Keighley, England. Piece goods. Serial No. 571,676, Oct. 11. Class 42.

Broadcasters' Guild, Inc., Kansas City, Mo., and Hollywood, Calif. Magnetic sound records. Serial No. 560,443, Oct. 11. Class 21.

Brooks Bank Note Company, Springfield, Mass. Writing and printing paper. Serial No. 552,336, Oct. 11. Class 37.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Smoking and chewing tobacco. Serial No. 557,588, Oct. 11. Class 17.

Bulldog Electric Products Co., Detroit, Mich. Electrical conduit. Serial No. 549,417, Oct. 11. Class 21.

C & D Flavor Company, Houston, Tex. Flavored syrup. Serial No. 553,811, Oct. 11. Class 45.

Campbell-Hausfeld Co., The, Harrison, Ohio. Air compressors and parts thereof. Serial No. 554,764, Oct. 11. Class 23.

Carberry Chemical Company: *See*—
Carberry, Edwin C.

Carberry, Edwin C., doing business as Carberry Chemical Company, Pawtucket, R. I. Special ready-mixed paint. Serial No. 511,672, Oct. 11. Class 16.

Casparis, Cora S., doing business as Don The Beachcomber, Hollywood, Calif. Serving of food and beverages. Serial No. 545,949, Oct. 11. Class 55.

Cerophyl Laboratories, Inc., Kansas City, Mo. Live stock and poultry feed supplement. Serial No. 552,569, Oct. 11. Class 46.

Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric laundry washers. Serial No. 551,528, Oct. 11. Class 24.

Church Manufacturing Company, Inc., Middlebury, Ind. House trailers; and fishing, speed, and small pleasure boats. Serial No. 547,971, Oct. 11. Class 19.

Citizens Insurance Company of New Jersey, Hartford, Conn. Fire insurance underwriting. Serial No. 536,499, Class 55.

Clarke Sanding Machine Company, The, Muskegon, Mich. Electrical apparatus. Serial No. 506,643, Oct. 11. Class 21.

Cleveland Crane & Engineering Company, The, Wickliffe, Ohio. Overhead cranes, overhead conveyor type material handling systems, etc. Serial No. 557,500, Oct. 11. Class 23.

Cluett, Peabody & Co., Inc., Troy, N. Y. Woolen piece goods. Serial No. 572,240, Oct. 11. Class 42.

Consolidated Packing Company, San Francisco, Calif. Raisins. Serial No. 541,405, Oct. 11. Class 46.

Continental Casualty Company, Chicago, Ill. Accident, health, and hospitalization insurance underwriting services. Serial No. 552,917, Oct. 11. Class 55.

Craig, Carroll C., doing business as Fidelity Manufacturing Company, Los Angeles, Calif. Film holders. Serial No. 541,662, Oct. 11. Class 26.

Crawford-Austin Manufacturing Co., Waco, Tex. Stockmen's textile bed sheets. Serial No. 559,286, Oct. 11. Class 42.

Cummins Engine Company, Inc., Columbus, Ohio. Maintenance and repair of Diesel engines and parts thereof. Serial No. 550,392, Oct. 11. Class 55.

Cussins and Fearn Company, The, Columbus, Ohio. Power-driven and manually operated lawnmowers. Serial No. 551,367, Oct. 11. Class 23.

Cussins and Fearn Company, The, Columbus, Ohio. Lawnmowers. Serial No. 551,613, Oct. 11. Class 23.

Cussins and Fearn Company, The, Columbus, Ohio. Lawnmowers, and enameled and aluminum ladles. Serial No. 552,578, Oct. 11. Class 23.

Cussins and Fearn Company, The, Columbus, Ohio. Clothes washing machines, clothes ironing machines, and mangles, etc. Serial No. 553,172, Oct. 11. Class 24.

Decker, Jacob E., & Sons: *See*—
Armour and Company.

Deering Milliken Research Trust, Greenwich, Conn. Instrument for measuring the diameter of filamentary material. Serial No. 553,822, Oct. 11. Class 26.

Delta Color Corporation, New York, N. Y. Ready mixed water show card color. Serial No. 496,897, Oct. 11. Class 16.

Dennison Manufacturing Company, Framingham, Mass. Crepe paper, gummed reinforcements, and partially printed labels. Serial No. 553,473, Oct. 11. Class 37.

Den Outer, Marius, Rotterdam, Holland. Card index files, card holders, and card boxes. Serial No. 524,412, Oct. 11. Class 37.

Disken, Bernard B., doing business as Bernard B. Disken Co., New Haven, Conn. Children's shoes, misses' shoes, and boys' shoes. Serial No. 560,686, Oct. 11. Class 39.

Disken, Bernard B., Co.: *See*—
Disken, Bernard B.

Don The Beachcomber: *See*—
Casparis, Cora S.

Drincolator Corporation, New York, N. Y. Electrically operated beverage vending and dispensing machines. Serial No. 533,149, Oct. 11. Class 23.

Driver, Wilbur B., Company, Newark, N. J. Round and flat wire, ribbon, and strip formed of non-ferrous alloys for electrical resistance use. Serial No. 560,256, Oct. 11. Class 21.

Duesberg, Hubert, Heusy-Verviers, Belgium. Machinery used in the textile industry. Serial No. 533,853, Oct. 11. Class 23.

Duro-Test Corporation, North Bergen, N. J., and elsewhere in the United States. Fluorescent lamp tubes. Serial No. 559,591, Oct. 11. Class 21.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters. Serial No. 541,106, Oct. 11. Class 19.

E Z Paintr Corporation, Fond du Lac, Wis. Preparation in liquid form for cleaning paint brushes, and for the removal of undried paint. Serial No. 561,558, Oct. 11. Class 16.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Mechanical pencils. Serial No. 538,260, Oct. 11. Class 37.

Elmore Paint Co., Mount Pleasant, Mich. Thinner for paint, enamels, varnishes, filler, and stains. Serial No. 543,154, Oct. 11. Class 16.

Emery, Bird, Thayer Dry Goods Company, Kansas City, Mo. Chocolate candy. Serial No. 564,102, Oct. 11. Class 46.

Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Synthetic rubber and rubber-like materials. Serial No. 571,714, Oct. 11. Class 1.

F. M. Food Products Company, Milwaukee, assignor to Kiddie Kookies Co., Fairwater, Wis. Cookies. Serial No. 497,383, Oct. 11. Class 46.

Fabbrica Automobili e Velocipedi Edoardo Bianchi, Milan, Italy. Bicycles and motor cycles. Serial No. 515,947, Oct. 11. Class 19.

Ferry-Morse Seed Co., Detroit, Mich. Coated seeds. Serial No. 575,134, Oct. 11. Class 1.

Fidelity Manufacturing Company: *See*—
Craig, Carroll C.

Fink, A., & Sons Company, Inc., Newark, N. J. Hams, bacon, pork sausage, etc. Serial No. 546,290, Oct. 11. Class 46.

First Industrial Corporation, Freeport, Ill. Electrically operated interlocks for power consuming apparatus. Serial No. 562,694, Oct. 11. Class 21.

Florsheim Shoe Company, The, Chicago, Ill. Cloth and leather boots and shoes. Serial No. 543,287, Oct. 11. Class 39.

Friedrichs, E. H. & A. C., Co., New York, N. Y. Artists' oil and water colors, and artists' varnishes and mediums. Serial No. 547,537, Oct. 11. Class 16.

Fullerton Mutual Orange Association, Fullerton, Calif. Fresh citrus fruits. Serial No. 556,089, Oct. 11. Class 46.

Gamble-Skogmo, Inc., Minneapolis, Minn. Work gloves, work shirts, denim jackets, etc. Serial No. 511,995, Oct. 11. Class 39.

General Aniline & Film Corporation, New York, N. Y. Translucent typing, writing, and printing paper. Serial Nos. 558,294–5, Oct. 11. Class 37.

Gerber Legendary Blades, Portland, Oreg. Carving knives, carving forks, boning knives, etc. Serial No. 534,621, Oct. 11. Class 23.

Gevaert Photo Producten, Septestraat 27 Oude-God, near Antwerp, Belgium. Sensitised photographic plates. Serial No. 524,650, Oct. 11. Class 26.

Gilman Paint and Varnish Company, Chattanooga, Tenn. Paint. Serial No. 567,632, Oct. 11. Class 16.

Ginsberg, S., Sons, Baltimore, Md. Men's clothing. Serial No. 537,036, Oct. 11. Class 39.

Good Luck Glove Company, Carbondale, Ill. Work glove. Serial No. 529,019, Oct. 11. Class 39.

Gradias, Annis & Co., Inc., Tampa, Fla. Cigars. Serial No. 542,120, Oct. 11. Class 17.

Great American Tea Company, The, New York, N. Y. Liquid polishing wax. Serial No. 562,360, Oct. 11. Class 16.

Greene, Tweed & Co., North Wales, Pa. Mallets and spring winders. Serial No. 552,768, Oct. 11. Class 23.

Gregory & Read Co., Lynn, Mass. Ladies' and misses' shoes. Serial No. 550,703, Oct. 11. Class 39.

Hainke, Paul W., doing business as Hainke Sales and Distributing Company, Hutchinson, Kans. Automobile head lamps. Serial No. 565,487, Oct. 11. Class 19.

Hainke Sales and Distributing Company: *See*—
Hainke, Paul W.

Harley-Davidson Motor Company, Milwaukee, Wis. Synthetic enamels, varnish, and liquid polish and cleaner. Serial No. 531,114, Oct. 11. Class 16.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycles, side-cars, and three-wheeled service and delivery vehicles. Serial No. 531,116, Oct. 11. Class 19.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycles, side-cars, and three-wheeled service and delivery vehicles. Serial No. 531,594, Oct. 11. Class 19.

Hearst Corporation, The, New York, N. Y. News and news reporting through the medium of television broadcasts. Serial No. 557,132, Oct. 11. Class 55.

Hickey-Freeman Company, Rochester, N. Y. Men's suits. Serial No. 538,909, Oct. 11. Class 39.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belts, garters or hose supports, and suspenders or braces. Serial No. 547,550, Oct. 11. Class 39.

Holly Sugar Corporation, Colorado Springs, Colo. Sugar. Serial No. 528,098, Oct. 11. Class 46.

Honey Bee Co., Chicago, Ill. Cheese flavored corn chips. Serial No. 567,926, Oct. 11. Class 46.

Hot Shoppes, Inc., Washington, D. C. Serving of foods and beverages in restaurants. Serial No. 542,587, Oct. 11. Class 55.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables. Serial No. 560,203, Oct. 11. Class 46.

Illinois Canning Co., The, Hoopeston, Ill. Canned beans. Serial No. 560,204, Oct. 11. Class 46.

Interchemical Corporation, New York, N. Y. Emulsified composition resembling paint. Serial No. 526,563, Oct. 11. Class 16.

International Minerals and Chemical Corporation, Chicago, Ill. Food savoring powders. Serial No. 532,976, Oct. 11. Class 46.

Isaly Dairy Company, The, Youngstown, Ohio. Coffee and potato chips. Serial No. 563,931, Oct. 11. Class 46.

Jefferson Island Salt Company, Louisville, Ky. Salt. Serial No. 563,936, Oct. 11. Class 46.

Jensen, Georg, Inc., New York, N. Y. Desk sets and accessories. Serial No. 504,264, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Writing paper and wrapping paper. Serial No. 561,829, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Treated wrapping paper. Serial No. 561,832, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. Serial No. 561,833, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Ice blankets and paper nursery blankets of parchment paper. Serial No. 562,193, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. Serial No. 562,194, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Self-sealing waxed paper. Serial No. 562,200, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper. Serial No. 562,202, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper second sheets. Serial No. 562,203, Oct. 11. Class 37.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Bond paper. Serial No. 562,204, Oct. 11. Class 37.

Kaylon Incorporated, New York, N. Y. Pajamas, Men's, women's, and children's, pajama coats, beach coats, etc. Serial No. 547,347, Oct. 11. Class 39.

Kiddie Kookies Co.: *See*—
F. M. Food Products Company.

Kingston Products Co.: *See*—
Kingston, B. H., Jr.

Kingston, B. H., Jr., doing business as Kingston Products Co., New York, N. Y. Switch wall plates. Serial No. 562,783, Oct. 11. Class 21.

Koerner, John, Sons, Inc., Brooklyn, N. Y. Automotive truck bodies. Serial No. 562,559, Oct. 11. Class 19.

Kraft Foods Company, Chicago, Ill. Camembert cheese. Serial No. 563,198, Oct. 11. Class 46.

La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Wagons. Serial No. 551,388, Oct. 11. Class 19.

Lehon Company, The, Chicago, Ill. Automobile floor covers and running board covers, automobile radiator covers, cab curtains, etc. Serial No. 520,731, Oct. 11. Class 19.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections and liquid syrups or concentrates. Serial Nos. 557,534–9, Oct. 11. Class 46.

Lubash, Maurice, doing business as Ru-Ell Novelties, New York, N. Y. Bust pads. Serial No. 551,394, Oct. 11. Class 40.

Lucatelli Packing Company, West New York, N. J. Edible oils and coffee. Serial Nos. 553,726–7, Oct. 11. Class 46.

Lynch, S. H., & Co., Dallas, Tex. Distribution by wire of music. Serial No. 571,564, Oct. 11. Class 55.

Macy, R. H., & Co., Inc., New York, N. Y. Nonalcoholic, maltless, carbonated coffee beverage. Serial No. 565,276, Oct. 11. Class 45.

Magnetos Lucifer Societe Anonyme, Geneva, Switzerland. Accessories for bicycles and motorcycles. Serial No. 561,320, Oct. 11. Class 19.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Thermometers, temperature and pressure controllers, tachometers, etc. Serial No. 509,856, Oct. 11. Class 26.

Manning, Maxwell & Moore, Inc., New York, N. Y. Electrically driven hoists and travelling cranes. Serial No. 537,603, Oct. 11. Class 21.

Manufacture de Papiers Peints I. Leroy (Societe Anonyme), Ponthierry (Seine-Marne), France. Wallpapers. Serial No. 563,859, Oct. 11. Class 37.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. Serial No. 559,721, Oct. 11. Class 23.

McPhillips Packing Corporation, Bayou La Batre, Ala. Canned oysters. Serial No. 525,638, Oct. 11. Class 46.

McVitie and Price Limited, Edinburgh, Scotland. Biscuits. Serial No. 563,481, Oct. 11. Class 46.

Mebane Company, The, Mebane, N. C. Felt mattresses, innerspring mattresses, box springs, and coil springs. Serial No. 562,380, Oct. 11. Class 32.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed blank or partially printed labels, gummed paper, and gummed tape. Serial No. 542,400, Oct. 11. Class 37.

Milani, Louis, Foods, Inc., Maywood, Calif. Garlic salad dressing. Serial No. 551,290, Oct. 11. Class 46.

Miller Electric Manufacturing Co., Appleton, Wis. Electric welding apparatus. Serial No. 558,908, Oct. 11. Class 21.

Mission Manufacturing Company, Houston, Tex. Pumps, valves, and parts thereof. Serial No. 480,833, Oct. 11. Class 23.

Modell, Henry, & Co., Inc., New York, N. Y. Bicycles. Serial No. 541,162, Oct. 11. Class 19.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,676, Oct. 11. Class 37.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,678, Oct. 11. Class 37.

Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,684, Oct. 11. Class 37.

Moore, William S., doing business as Moore's of Ohio, Newark, Ohio. Electrical clothes washing machines. Serial No. 557,461, Oct. 11. Class 24.

Moore's of Ohio: *See*—
Moore, William S.

Morey Mercantile Company, The, Denver, Colo. Canned fruits and vegetables, preserved fruits, jams, etc. Serial No. 557,147, Oct. 11. Class 46.

National Aluminate Corporation, Chicago, Ill. Test instrument utilising the photoelectric cell. Serial No. 527,758, Oct. 11. Class 26.

New Haven Vibrator Company, New Haven, Conn. Blowguns, and blowguns and sprayer nozzles therefor. Serial No. 535,590, Oct. 11. Class 23.

North American Knitting Co., Mansfield, Ohio. Knitted pullover sweaters, vests and coats for use by men and boys. Serial No. 543,982, Oct. 11. Class 39.

Nu-Fab Corporation, Chicago, Ill. Non-woven cloth. Serial No. 571,739, Oct. 11. Class 42.

Old Colony Envelope Company, Westfield, Mass. Writing and printing papers and mailing envelopes and blank cards. Serial Nos. 546,922–3, Oct. 11. Class 37.

Olsen, J. B. E., Corporation, Brooklyn, N. Y. Aluminum truck bodies. Serial No. 556,981, Oct. 11. Class 19.

Ordnance Gauge Company, Philadelphia, Pa. Wire stitching machines. Serial No. 545,877, Oct. 11. Class 23.

Pacific Pumping Company, Oakland, Calif. Centrifugal pumps and parts therefor. Serial No. 557,687, Oct. 11. Class 23.

Patrick Auto Supply Company, Los Angeles, Calif. Storage battery. Serial No. 554,699, Oct. 11. Class 21.

Peck & Peck, New York, N. Y. Wearing apparel for women. Serial No. 548,686, Oct. 11. Class 39.

Pedlar, Sylvia S., New York, N. Y. Raincoats. Serial No. 550,340, Oct. 11. Class 39.

Phillips Petroleum Company, Bartlesville, Okla. Storage batteries. Serial No. 558,976, Oct. 11. Class 21.

Plastic Binding Corporation, Chicago, Ill. Tubular plastic binders for books. Serial No. 525,676, Oct. 11. Class 37.

Pollak, Henry, Inc., New York, N. Y. Straw hats. Serial No. 555,300, Oct. 11. Class 39.

Radio Corporation of America, New York, N. Y. Grooved phonograph records and non-electric phonographs. Serial No. 559,638, Oct. 11. Class 36.

Rainbow Travel Service, Inc., Oklahoma City, Okla. Travel service. Serial No. 568,117, Oct. 11. Class 53.

Raleigh Cycle Company Limited, The, Nottingham, England. Bicycles and structural parts thereof. Serial No. 519,219, Oct. 11. Class 19.

Raytheon Manufacturing Company, Newton, Mass. Radar apparatus. Serial No. 509,792, Oct. 11. Class 26.

Rite-Form Corset Co. Inc., New York, N. Y. Corsets and girdles for ladies and misses. Serial No. 541,574, Oct. 11. Class 39.

Roddenbery, W. B., Company, Inc., Cairo, Ga. Table syrup, pickles, and peanut butter. Serial No. 563,220, Oct. 11. Class 46.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 553,751, Oct. 11. Class 39.

Ru-Ell Novelties: *See*—
Lubash, Maurice.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Liquid and solid preparations for the treatment and control of coccidiosis and fowl cholera. Serial No. 566,246, Oct. 11. Class 6.

Scherer, R. P., Corporation, Detroit, Mich. Capsulated vitamin preparations, capsulated drugs and medicinal preparations, etc. Serial No. 563,023, Oct. 11. Class 6.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' and children's chemises, princess slips, bloomers, dresses, etc. Serial No. 558,941, Oct. 11. Class 39.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 546,518, Oct. 11. Class 39.

Schwartz & Company: *See*—
Schwarts, Samuel.

Schwarts, Samuel, doing business as Schwartz & Company, Philadelphia, Pa. Bond paper, manifold paper, mimeograph paper, etc. Serial No. 558,599, Oct. 11. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Baby carriages and strollers. Serial No. 551,409, Oct. 11. Class 19.

Seidner, Otto, Inc., Westerly, R. I. Mayonnaise, sandwich spread, salad dressing, etc. Serial No. 555,704, Oct. 11. Class 46.

Sentinel Radio Corporation, Evanston, Ill. Radio-phonograph combinations and electric phonographs, and parts thereof. Serial No. 521,214, Oct. 11. Class 21.

Shaylow Company, Los Angeles, Calif. Wheelbarrows. Serial No. 555,137, Oct. 11. Class 19.

Sheldon Home Products Corp., New York, N. Y. Curtain stretchers. Serial No. 563,219, Oct. 11. Class 24.

Sherman Paper Products Corporation, Newton, Mass. Flocked paper. Serial No. 564,469, Oct. 11. Class 37.

Skystreak Records: *See*—
Barrett, Paul.

Smallman, I., & Sons, Paterson, N. J., and New York, N. Y. Billfolds, wallets, empty cosmetic kits. Serial No. 554,820, Oct. 11. Class 3.

Smith, F. A., Manufacturing Co., Inc., Rochester, N. Y. Electrical apparatus. Serial No. 521,093, Oct. 11. Class 21.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. Serial No. 508,861, Oct. 11. Class 37.

Standard Brands Incorporated, New York, N. Y. Dough improver in powdered form. Serial No. 556,995, Oct. 11. Class 46.

Stetson Paint & Varnish Company, Chicago, Ill. Ready-mixed house paint. Serial No. 539,787, Oct. 11. Class 16.

Stromberg-Carlson Company, Rochester, N. Y. Radio and television receiving sets. Serial No. 561,952, Oct. 11. Class 21.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,447, Oct. 11. Class 17.

Taylor & Sledd, Incorporated, Richmond, Va. Grape juice. Serial No. 567,283, Oct. 11. Class 45.

Technical Service Company, Tulsa, Okla. Electrically operated portable slide viewer. Serial No. 499,583, Oct. 11. Class 26.

Thomas & Betts Co., The, Elizabeth, N. J. Hickeys for bending irons for pipes, electrical conduits, etc. Serial No. 547,049, Oct. 11. Class 23.

Thorpe, Harry F., Cheshire, Conn. Rolling pins. Serial No. 551,208, Oct. 11. Class 23.

Transformer Engineering Corporation, Cleveland, Ohio. Electrical apparatus. Serial No. 559,749, Oct. 11. Class 21.

Tri Sportswear, Inc., New York, N. Y. Satin jackets. Serial No. 561,274, Oct. 11. Class 39.

Tucker's, Mrs., Foods, Inc., Sherman, Tex. Oleomargarine, sweet cream, condensed skim milk, and vegetable oil shortening. Serial No. 557,400, Oct. 11. Class 46.

Twin Coach Company, Kent, Ohio. Automotive vehicles. Serial No. 554,444, Oct. 11. Class 19.

United Associates, Inc., Jersey Shore, Pa. Farm tractors. Serial No. 554,446, Oct. 11. Class 23.

Wallace & Co., Brooklyn, N. Y. Candles. Serial No. 552,622, Oct. 11. Class 46.

Warren Woolen Company, The, Stafford Springs, Conn. Woolen piece goods. Serial No. 572,224, Oct. 11. Class 42.

Waverly Growers Cooperative, Waverly, Fla. Fresh citrus fruits. Serial No. 554,181, Oct. 11. Class 46.

Weinberg, Weinberg & Alpern, New York, N. Y. Women's dresses. Serial No. 549,100, Oct. 11. Class 39.

Western Hosiery Company, Chicago, Ill. Men's, women's, and children's hose. Serial No. 529,946, Oct. 11. Class 39.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. Serial No. 543,553, Oct. 11. Class 19.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Fluid pressure motors. Serial No. 557,805, Oct. 11. Class 23.

Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric exposure meters. Serial No. 515,242, Oct. 11. Class 26.

Wheelco Instruments Company, Chicago, Ill. Electronically operated instrument for indicating and controlling limits of variables. Serial No. 528,128, Oct. 11. Class 26.

Wood, Joseph T., Company, Ware, Mass. Athletic shoes. Serial No. 560,146, Oct. 11. Class 39.

Woolen, Meyer, Inc., New York, N. Y. Textile fabrics. Serial No. 560,280, Oct. 11. Class 42.

Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Copper paint. Serial No. 564,496, Oct. 11. Class 16.

Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Varnishes. Serial No. 568,771, Oct. 11. Class 16.

Wright's Underwear Corporation, New York, N. Y. Cotton knit athletic shirts and T shirts. Serial No. 550,000, Oct. 11. Class 39.

Wrightson, Chas. T., & Son, Inc., Easton, Md. Canned vegetables. Serial No. 552,198, Oct. 11. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Bath room scales. 516,301, Oct. 11; Serial No. 562,429, published June 14, 1949. Class 26.

Advance Solvents & Chemical Corporation, New York, N. Y. Synthetic liquid hydrocarbon polymers, mixtures of polybutene polymers and hydrocarbon waxes, wetting and foaming agents, etc. 443,437, Oct. 11; Serial No. 517,684, published June 21, 1949. Class 6.

Africano Laboratories: *See*—
Lenger, David M.

Aktiebolaget Sveriges Forenade Konservfabriker, Gottenborg, Sweden. Preserved fish. 68,531, re-renewed Apr. 14, 1948. O. G. Oct. 11. Class 46.

Allen & Hanburys, Limited, London, England. Ointments. 516,313, Oct. 11; Serial No. 563,650, published July 12, 1949. Class 6.

Allied Home Products Corporation, Beloit, Wis., assignee of C-Z Chemical Company. Liquid floor sealer. 516,135, Oct. 11; Serial No. 479,773, published July 5, 1949. Class 15.

American Brake Shoe Company, New York, N. Y. Driving box bearings; rod brasses and bushings; crosshead shoes; etc. 427,449, Feb. 11, 1947. Republished Oct. 11. Class 23.

American Chatillon Corporation, to Celanese Corporation of America, New York, N. Y. Artificial silk thread and yarn. 263,065, renewed Oct. 29, 1949. O. G. Oct. 11. Class 43.

American Chatillon Corporation, to Celanese Corporation of America, New York, N. Y. Artificial silk in the nature of thread and cellulose-acetate and viscose-rayon yarn. 264,124, renewed Nov. 19, 1949. O. G. Oct. 11. Class 43.

American Lumber Products, Louisville, Ky. Air dried red aromatic cedar lumber. 516,191, Oct. 11; Serial No. 541,907, published May 17, 1949. Class 12.

American Metal Crafts Company, The, Attleboro, Mass. Military insignia, military badges, military lapel buttons, etc. 516,184, Oct. 11; Serial No. 539,615, published July 5, 1949. Class 28.

American Packing & Provision Co., Ogden, Utah. Smoked pork jowls. 443,439, Oct. 11; Serial No. 520,081, published June 28, 1949. Class 46.

American Plan, Inc., Boston, Mass. Electrically operated industrial vacuum cleaners. 516,335, Oct. 11; Serial No. 561,791. Class 21.

American Products Company: *See*—
Gibson Packing Company.

American Tissue Mills: *See*—
Japanese Tissue Mills.

Ames, B. C., Co., Waltham, Mass. Dial micrometer gauges, dial micrometer indicators, dial comparators, etc. 516,141, Oct. 11; Serial No. 515,247, published June 14, 1949. Class 26.

Apothecaries Hall Company, Waterbury, Conn. Repellents. 265,074, renewed Dec. 17, 1949. O. G. Oct. 11. Class 6.

Archer-Daniels-Midland Company: *See*—
Smith, Werner G., Company, The.

Arkansas Company, Inc., Newark, N. J. Assistants used in dye-baths. 443,430, Oct. 11; Serial No. 507,289, published July 5, 1949. Class 6.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paint, varnishes and paint enamels. 516,179, Oct. 11; Serial No. 538,069, published June 28, 1949. Class 16.

Associated Research, Incorporated, Chicago, Ill. Electrical measuring instruments. 437,984, Apr. 6, 1948. Corrected. O. G. Oct. 11. Class 26.

Athletic Shoe Company, The, Chicago, Ill. Shoes. 419,151, Feb. 5, 1946. Republished Oct. 11. Class 39.

Atkinson, J. & E., Limited, London, England. Eau de cologne. 516,282, Oct. 11; Serial No. 558,443, published July 5, 1949. Class 6.

Atlantic Varnish and Paint Company, Incorporated, Richmond, Va. Ready mixed paints, paste paints, paint enamels, etc. 516,148, Oct. 11; Serial No. 526,733 published Oct. 26, 1948. Class 16.

Azusa Citrus Association: *See*—
Maddock, Arthur G.

Bache, Semon, & Company, New York, N. Y. Front surface mirrors. 516,213, Oct. 11; Serial No. 547,386, published June 21, 1949. Class 44.

Bachmann, Robert A., doing business as The Sanitube Company, by The Sanitube Company, Newport, R. I. Medicinal ointment. 273,348, July 8, 1930. Republished Oct. 11. Class 6.

Baer & Wilde Company, The, to Swank, Inc., Attleboro, Mass. Items of men's jewelry. 259,457, renewed July 30, 1949. O. G. Oct. 11. Class 28.

Bailey's: *See*—
Gilman, Sarah D.

Balfour, L. G., Company, Attleboro, Mass. Jewelry, emblems, badges, etc. 516,188, Oct. 11; Serial No. 541,493, published June 21, 1949. Class 28.

Bally's Shoe Factories Ltd., Schonenwerd, Switzerland. Elastic webbing. 442,392, Apr. 5, 1949. Republished Oct. 11. Class 42.

Barbour Stockwell Company, Cambridge, Mass. Tachometers. 263,206, renewed Nov. 5, 1949. O. G. Oct. 11. Class 26.

Barker & Barker, Inc., Providence, R. I. Jewelry. 516,215, Oct. 11; Serial No. 547,693, published June 21, 1949. Class 28.

Bausch & Lomb Optical Company, Rochester, N. Y. Sun glasses. 516,292–3, Oct. 11; Serial Nos. 560,962–3, published June 14, 1949. Class 26.

Beckemeyer and Schmidt, Cincinnati, Ohio. Electrical popcorn poppers. 516,158, Oct. 11; Serial No. 530,614, published July 5, 1949. Class 21.

Becken, A. C., Co., Chicago, Ill. Diamond rings, ring mountings and wedding rings. 516,137, Oct. 11; Serial No. 510,873, published June 21, 1949. Class 28.

Beh and Company, Incorporated, New York, N. Y. Rubber bath mats. 516,200, Oct. 11; Serial No. 543,874, published June 14, 1949. Class 50.

Bellak's, James, Sons, Philadelphia, Pa., by Belmont Radio Corporation, Chicago, Ill. Talking machines, talking machine horns. 70,459, Sept. 1, 1908. Republished Oct. 11. Class 36.

Belmont Radio Corporation: *See*—
Bellak's, James, Sons.

Benton-Lee Corporation, Brooklyn, N. Y. Sh:edded coconut, tapioca dessert, tapioca. 516,334, Oct. 11; Serial No. 545,948. Class 46.

Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassières. 264,534, renewed Nov. 26, 1949. O. G. Oct. 11. Class 39.

Bernstein Manufacturing Company, Philadelphia, by Komfo Products Corporation, Allentown, Pa. Bedsteads, mattresses, and pillows. 126,991, Oct. 21, 1919. Republished Oct. 11. Class 32.

Best & Company, by Best & Co. Inc., New York, N. Y. Infants' bands, shirts, diaper-drawers, etc. 102,704, Feb. 23, 1915. Republished Oct. 11. Class 39.

Best & Co. Inc.: *See*—
Best & Company.

Best & Co. Inc., New York, N. Y. Misses' and girls' furnishings, undergarments and clothing. 194,306, Jan. 20, 1925. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Misses', and children's hats; shoes; slippers; puttees; etc. 204,847, Oct. 27, 1925. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Nursery furniture. 212,790, May 11, 1926. Republished Oct. 11. Class 32.

Best & Co. Inc., New York, N. Y. Men's, women's, misses', and children's hats; shoes; slippers; etc. 212,791, May 11, 1926. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Fur skins, hides, and pelts. 213,256, May 25, 1926. Republished Oct. 11. Class 11.

Best & Co. Inc., New York, N. Y. Chariots, go-carts, strollers, etc. 231,605, Aug. 23, 1927. Republished Oct. 11. Class 19.

Best & Co. Inc., New York, N. Y. Mirrors, pillows, bassinettes, mattresses, costumers, articles of furniture. 231,952, Aug. 30, 1927. Republished Oct. 11. Class 32.

Best & Co. Inc., New York, N. Y. Men's, women's, and children's hats, caps, shoes, etc. 287,273, Sept. 15, 1931. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Dresses, sunsuits, bathrobes, etc. 373,569, Dec. 12, 1939. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Diaper bags. 375,210, Feb. 13, 1940. Republished Oct. 11. Class 2.

Best & Co. Inc., New York, N. Y. Misses', junior misses' and children's coats, suits, sweaters, etc. 379,400, July 9, 1940. Republished Oct. 11. Class 39.

Best & Co. Inc., New York, N. Y. Shoe polish. 383,014, Nov. 19, 1940. Republished Oct. 11. Class 4.

Best & Co. Inc., New York, N. Y. Umbrellas. 433,938, Nov. 4, 1947. Republished Oct. 11. Class 41.

Best & Co. Inc., New York, N. Y. Iron, porcelain, or enameled bath tubs. 439,391, June 22, 1948. Republished Oct. 11. Class 13.

Best & Co. Inc., New York, N. Y. Weighing scales. 439,581, July 6, 1948. Republished Oct. 11. Class 26.

Best & Co. Inc., New York, N. Y. Soap. 439,582, July 6, 1948. Republished Oct. 11. Class 4.

Big Top Beverages, Inc., Dallas, Tex. Non-alcoholic maltless beverages in the nature of soft drinks. 516,272, Oct. 11; Serial No. 556,242, published July 5, 1949. Class 45.

Blackwood Coal & Coke Co.: *See*—
Blackwood Coal and Coke Company.

Blackwood Coal and Coke Company, Philadelphia, Pa., to Blackwood Coal & Coke Co., Blackwood, Va., and Philadelphia, Pa. Coal. 260,677, renewed Aug. 27, 1949. O. G. Oct. 11. Class 1.

Bocher, Main R., doing business as Mainbocher, New York, N. Y. Perfumes and toilet waters. 516,185, Oct. 11; Serial No. 539,639, published May 17, 1949. Class 6.

Bombi, Inc., West Haven, Conn., and New York, N. Y. Perfumes, toilet water, sachet powder, etc. 516,226, Oct. 11; Serial No. 549,498, published July 5, 1949. Class 6.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Friction tape. 516,241, Oct. 11; Serial No. 552,114, published July 12, 1949. Class 21.

Boucher, Marcel, et Cie, New York, N. Y. Jewelry. 516,172, Oct. 11; Serial No. 536,113, published June 21, 1949. Class 28.

Brach, J. & Cie, Societe d'Exploitation des Produits Botot, Paris, France. Perfumes, toothpaste. 443,434, Oct. 11; Serial No. 515,816, published June 21, 1949. Class 6.

Brakeley Canning Co.: *See*—
Brakeley, Harry H., Jr.

Brakeley Food Products Co., The: *See*—
Brakeley, Harry H., Jr.

Brakeley, Harry H., Jr., doing business as The Brakeley Canning Co., and The Brakeley Food Products Co., Bordentown, N. J. Canned vegetables, canned fruits, tomato catsup, and chili sauce. 516,214, Oct. 11; Serial No. 547,422, published June 28, 1949. Class 46.

Brickseal Refractory Co., Hoboken, N. J. Refractory coating. 516,189, Oct. 11; Serial No. 541,504, published May 17, 1949. Class 12.

Bristol Bay Packing Company, Seattle, Wash. Canned salmon. 516,165, Oct. 11; Serial No. 533,985, published May 24, 1949. Class 46.

Bristol Laboratories Inc., Syracuse, N. Y. Penicillin compound. 516,286, Oct. 11; Serial No. 559,000, published July 12, 1949. Class 6.

Brogan, Theresa G., doing business as J. M. Hall Co., Providence, R. I. Jewelry. 516,279, Oct. 11; Serial No. 557,339, published July 5, 1949. Class 28.

Buck X-Ograph Company, St. Louis, Mo. Barium meal. 516,287, Oct. 11; Serial No. 559,003, published July 12, 1949. Class 6.

Buckley, Newhall Company, The, Brooklyn, N. Y. Chairs, tables, desks, book-cases, etc. 81,671, May 2, 1911. Republished Oct. 11. Class 32.

Buckley, Newhall Company, The, Brooklyn, N. Y. Sewing machines, vacuum-cleaners, and carpet-sweepers. 106,205–6, Oct. 19, 1915. Republished Oct. 11. Class 23.

Buckley, Newhall Company, The, Brooklyn, N. Y. Baby-carriages and go-carts. 106,207–8, Oct. 19, 1915. Republished Oct. 11. Class 19.

Buckley, Newhall Company, The, Brooklyn, N. Y. Refrigerators. 106,211–12, Oct. 19, 1915. Republished Oct. 11. Class 31.

Buckley, Newhall Company, The, Brooklyn, N. Y. Gas-lamps, vapor-lamps, and oil-lamps. 106,937, Nov. 9, 1915. Republished Oct. 11. Class 34.

Buckley, Newhall Company, The, Brooklyn, N. Y. Electric stoves and electric lamps. 106,938–9, Nov. 9, 1915. Republished Oct. 11. Class 21.

Buckley, Newhall Company, The, Brooklyn, N. Y. Household and office chairs, household and office tables, etc. 107,487, Dec. 7, 1915. Republished Oct. 11. Class 32.

Buckley, Newhall Company, The, Brooklyn, N. Y. Clothes-wringers and washing-machines. 107,488, Dec. 7, 1915. Republished Oct. 11. Class 24.

Buckley, Newhall Company, The, Brooklyn, N. Y. Gas-lamps, vapor-lamps, and oil-lamps. 108,684, Feb. 22, 1916. Republished Oct. 11. Class 34.

Buckley, Newhall Company, The, Brooklyn, N. Y. Clothes-wringers and washing-machines. 108,685, Feb. 22, 1916. Republished Oct. 11. Class 24.

Buckley, Newhall Company, The, Brooklyn, N. Y. Linoleums and oil-cloth. 114,621–2, Dec. 26, 1916. Republished Oct. 11. Class 20.

Buckley, Newhall Company, The, Brooklyn, N. Y. Textile rugs, textile carpets, lace curtains, etc. 114,623–4, Dec. 26, 1916. Republished Oct. 11. Class 42.

Buckley, Newhall Company, The, Brooklyn, N. Y. Waterproofed coats for men, waterproofed coats for women, hats, etc. 115,064, Jan. 23, 1917. Republished Oct. 11. Class 39.

Buckley, Newhall Company, The, Brooklyn, N. Y. Waterproofed coats for men, waterproofed coats for women. 115,065, Jan. 23, 1917. Republished Oct. 11. Class 39.

Buckley, Newhall Company, The, Brooklyn, N. Y. Humidors, ash receivers and trays, cigar cases, etc. 228,855–6, June 14, 1927. Republished Oct. 11. Class 8.

Buckley, Newhall Company, The, Brooklyn, N. Y. Electric coffee and tea pots and percolators, electric dish-washing machines, etc. 233,578, Oct. 4, 1927. Republished Oct. 11. Class 21.

Buckley, Newhall Company, The, Brooklyn, N. Y. Gas, vapor, and oil lamps; heating-radiator covers for ornament. 234,591–2, Nov. 1, 1927. Republished Oct. 11. Class 34.

Buckley, Newhall Company, The, Brooklyn, N. Y. Household and office furniture. 235,854, Nov. 29, 1927. Republished Oct. 11. Class 32.

Buckley, Newhall Company, The, Brooklyn, N. Y. Electric coffee and tea pots and percolators, electric dish-washing machines, etc. 241,979, May 8, 1928. Republished Oct. 11. Class 21.

Buckley, Newhall Company, The, Brooklyn, N. Y. Portable fireplaces. 351,846–7, Nov. 9, 1937. Republished Oct. 11. Class 32.

Buckley, Newhall Company, The, Brooklyn, N. Y. Bed sheets, pillow cases, towels, etc. 359,592, Aug. 23, 1938. Republished Oct. 11. Class 42.

Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets, and chains for watches, etc. 516,166, Oct. 11; Serial No. 534,086, published June 21, 1949. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watch-cases. 516,203, Oct. 11; Serial No. 544,540, published June 21, 1949. Class 27.

Burrell Technical Supply Company, Pittsburgh, Pa. Portable apparatus for analyzing flue gases, etc. 516,170, Oct. 11; Serial No. 535,792, published June 14, 1949. Class 26.

C-Z Chemical Company: *See*—
Allied Home Products Corporation.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Plant and horticultural parasiticides, insecticides, sprays, etc. 441,412, Nov. 23, 1948. Amended. O. G. Oct. 11. Class 6.

Carnrick, G. W., Co., Newark, N. J. Preparation used for the treatment of coughs, colds, and inflammation in the upper respiratory tract. 516,318, Oct. 11; Serial No. 535,233, published July 5, 1949. Class 6.

Carr, Adams & Collier Company, Dubuque, Iowa. Fabricated woodwork. 516,207, Oct. 11; Serial No. 545,577, published May 31, 1949. Class 12.

Carr-Consolidated Biscuit Company: *See*—
Ivins', J. S., Son, Inc.

Celanese Corporation of America: *See*—
American Chatillon Corporation.
Celluloid Corporation.

Celluloid Corporation, Newark, N. J., to Celanese Corporation of America, New York, N. Y. Sheets, rods, tubes, powders, etc. 263,787, renewed Nov. 12, 1949. O. G. Oct 11. Class 1.

Chase & Company, Sanford, Fla. Fresh citrus fruits and vegetables. 516,234, Oct. 11; Serial No. 551,086, published June 21, 1949. Class 46.

Cheney Lumber Company, Inc., Tacoma, Wash. Lumber product. 516,159, Oct. 11; Serial No. 530,807, published June 28, 1949. Class 12.

Childs, H., & Co. Inc., Pittsburgh, Pa. Ladies', misses' and children's shoes. 262,933, renewed Oct. 29, 1949. O. G. Oct. 11. Class 39.

Clary Multiplier Corporation, Los Angeles, Calif. Adding machines. 516,302, Oct. 11; Serial No. 562,540, published June 14, 1949. Class 26.

Cochran, Jacqueline, Inc., Newark, N. J. Perfume pin. 516,317, Oct. 11; Serial No. 565,174, published July 5, 1949. Class 28.

Colgate-Palmolive-Peet Company, Jersey City, N. J. After shave lotion and talc powder. 516,237, Oct. 11; Serial No. 551,609, published May 17, 1949. Class 6.

Collins Radio Company, Cedar Rapids, Iowa. Unitary mechanical and electromechanical selector mechanisms. 516,155, Oct. 11; Serial No. 530,173, published June 28, 1949. Class 21.

Congoleum-Nairn, Inc., Kearny, N. J. Pigmented composition tiles. 516,205, Oct. 11; Serial No. 545,340, published May 17, 1949. Class 12.

Consolidated Freightways, Inc., Portland, Oreg. Home-to-home, household goods moving service by motor van. 516,324, Oct. 11; Serial No. 538,724, published July 12, 1949. Class 55.

Consolidated Orange Growers: *See*—
Red Fox Orchards.

Continental Carbon, Inc., Cleveland, Ohio. Electrical resistors. 516,253, Oct. 11; Serial No. 554,010, published July 12, 1949. Class 21.

Cook, F. W., Company, Inc., Evansville, Ind. Beer and ale. 516,183, Oct. 11; Serial No. 539,499, published July 5, 1949. Class 48.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condensers. 376,406, Mar. 26, 1940. Republished Oct. 11. Class 21.

Corning Glass Works, Corning, N. Y. Glass lantern and lamp globes and chimneys. 258,583, renewed July 9, 1949. O. G. Oct. 11. Class 33.

Cornish Wire Company Incorporated, New York, N. Y. Insulated and uninsulated wire for electrical use. 516,230, Oct. 11; Serial No. 550,312, published July 12, 1949. Class 21.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 516,216, Oct. 11; Serial No. 548,333, published June 21, 1949. Class 28.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 516,227, Oct. 11; Serial No. 549,716, published July 5, 1949. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. 516,304–6, Oct. 11; Serial Nos. 563,315–17, published June 21, 1949. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. 516,307–8, Oct. 11; Serial Nos. 563,319–20, published June 21, 1949. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. 516,310–11, Oct. 11; Serial Nos. 563,397–8, published June 21, 1949. Class 28.

Coutant & Mathot, Paris, France. Cameras and projectors, and parts thereof. 516,242, Oct. 11; Serial No. 552,750, published June 14, 1949. Class 26.

Crescent Engineering Company, assignor to Crescent Engineering Company, Chicago, Ill. Electrical engineering and contracting service. 516,327, Oct. 11; Serial No. 550,026, published June 28, 1949. Class 55.

Crest Foods Co.: *See*—
M. & S. Dairy Specialties.

Croname, Incorporated, Chicago, Ill. Grilles for radio, and television sets. 516,218, Oct. 11; Serial No. 548,718, published July 12, 1949. Class 21.

Dache, Lilly, Inc., New York, N. Y. Costume jewelry. 516,260, Oct. 11; Serial No. 556,263, published June 21, 1949. Class 28.

Dearborn Supply Company, Chicago, Ill. Face powder and rouge. 516,162, Oct. 11; Serial No. 532,430, published May 17, 1949. Class 6.

Delaney Co., The, Houston, Tex. Structural steel elements and prefabricated steel structures. 516,181, Oct. 11; Serial No. 538,728, published May 17, 1949. Class 12.

Del-Mar Quality Food Co., Culver City, Calif. French dressing, maple flavor syrup, barbecue sauce, food flavoring extract, etc. 443,440, Oct. 11; Serial No. 520,327, published June 14, 1949. Class 46.

Delta-Star Electric Company, Chicago, Ill. Electrical switchboards; electrical panel boards; switches, etc. 516,163, Oct. 11; Serial No. 533,282, published July 12, 1949. Class 21.

Deran Confectionery Co., Inc., Cambridge, Mass. Candy. 516,323, Oct. 11; Serial No. 575,255, published June 28, 1949. Class 46.

Dietzgen, Eugene, Co., Chicago, Ill. Light-sensitive printing papers, fabrics, and the like used in making reproductions by printing from negatives or tracings. 264,318, renewed Nov. 26, 1949. O. G. Oct. 11. Class 26.

Distributors Trucking Corporation: *See*—
Tanner-Gross, W. P., and Company, Inc.

Dixie-Portland Flour Co.: *See*—
Kansas Mill & Elevator Company, The.

Dowell Incorporated, Midland, Mich., assignor to Dowell Incorporated, Wilmington, Del. Chemicals. 516,220, Oct. 11; Serial No. 549,136, published July 5, 1949. Class 6.

Dream Company, The, Los Angeles, Calif. Orange flavored bottlers base for making soft drinks. 516,157, Oct. 11; Serial No. 530,391, published July 12, 1949. Class 46.

Drew, H. F., & Co., Inc., New York, N. Y. Vitamin D-activated vegetable sterols. 443,431, Oct. 11; Serial No. 508,795, published June 28, 1949. Class 46.

Drew, H. F., & Co., Inc., New York, N. Y. Compositions of D-activated animal sterols and Vitamin D feeding oils. 443,432, Oct. 11; Serial No. 506,796, published June 28, 1949. Class 46.

Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Trolley harps, sliders and wheel bushings, trolley wire and cable splicers, etc. 516,239, Oct. 11; Serial No. 551,779, published July 5, 1949. Class 21.

Dura Electric Lamp Co., Inc., Newark, N. J. Starter switches for fluorescent lamps. 516,264, Oct. 11; Serial No. 555,488, published June 28, 1949. Class 21.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns. 516,187, Oct. 11; Serial No. 541,112, published June 28, 1949. Class 21.

Ederer, Incorporated: *See*—
Ederer, R. J., Thread Co.

Ederer, R. J., Thread Co., to Ederer, Incorporated, Philadelphia, Pa. Threads. 255,701, renewed Apr. 30, 1949. O. G. Oct. 11. Class 43.

Electric Household Utilities Corporation: *See*—
Thor Corporation.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries and their parts. 516,249, Oct. 11; Serial No. 553,580, published July 12, 1949. Class 21.

Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Electric motors and electric motor-actuator units. 516,175, Oct. 11; Serial No. 536,882, published July 5, 1949. Class 21.

Elliot Pharmacal Company: *See*—
Froom, Julius E.

Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware, and sterling silver and silver-plated hollow ware. 516,285, Oct. 11; Serial No. 558,705, published June 21, 1949. Class 28.

Endo Products Inc., Richmond Hill, N. Y. Polyvitamin medicinal preparation. 516,294, Oct. 11; Serial No. 561,104, published July 12, 1949. Class 6.

Engelbert, Stig B. H., Stockholm, Sweden. Gold and silver jewelry. 516,297, Oct. 11; Serial No. 561,738, published July 5, 1949. Class 28.

Enjay Construction Company, Chicago, Ill. Airplane hangars. 443,436, Oct. 11; Serial No. 517,465, published May 17, 1949. Class 12.

Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fish bait. 260,833, renewed Aug. 27, 1949. O. G. Oct. 11. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fish hooks. 260,921, renewed Sept. 3, 1949. O. G. Oct. 11. Class 22.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Fassy & Besthoff, Inc., New York, N. Y. Paradichlorobenzene, calcium chloride compound, chemicals, etc. 516,235, Oct. 11; Serial No. 551,628, published July 5, 1949. Class 6.

Fast, John E., & Co., Chicago, Ill. Capacitors. 516,269–70, Oct. 11; Serial No. 556,003–4, published June 28, 1949. Class 21.

Federal Glass Company, The, Columbus, Ohio. Glass tumblers. 516,150, Oct. 11; Serial No. 527,961, published June 14, 1949. Class 32.

Federal Industries, Inc., Detroit, Mich. Electrically operated mechanism for opening and closing garage doors. 516,252, Oct. 11; Serial No. 553,837, published July 5, 1949. Class 21.

Fesler, Geo. C. V., Company: *See*—
Fesler, Mary E.

Fesler, Mary E., doing business as Geo. C. V. Fesler Company, Biloxi, Miss. Medicinal powder. 403,800, Oct. 19, 1943. Republished Oct. 11. Class 6.

Fesler, Mary E., doing business as Geo. C. V. Fesler Company, Biloxi, Miss. Preparation for oral hygiene. 406,605, Apr. 11, 1944. Republished Oct. 11. Class 6.

Fisher Silversmiths, Inc., The, Jersey City, N. J., and New York, N. Y. Hollow and flat silverware. 516,204, Oct. 11; Serial No. 544,718, published June 21, 1949. Class 28.

Flavor Corporation of America, Chicago, Ill. Flavoring extracts, fruit flavorings, pickle flavoring, etc. 516,145, Oct. 11; Serial No. 521,809, published June 28, 1949. Class 46.

Fleet-Wing Corporation: *See*—
Spears & Riddle Co.

Fleet-Wing Corporation, Cleveland, Ohio. Insecticides, insect sprays, and cattle sprays. 319,653, Dec. 4, 1934. Republished Oct. 11. Class 6.

Fleet-Wing Corporation, Cleveland, Ohio. Gasoline, lubricating oils, and lubricating greases. 319,772, Dec. 4, 1934. Republished Oct. 11. Class 15.

Fleet-Wing Corporation, Cleveland, Ohio. Oil soap, cleansers, and metal polishes for automobiles. 320,799, Jan. 8, 1935. Republished Oct. 11. Class 4.

Flintkote Company, The, New York, N. Y. Prepared roofing. 261,706, Sept. 24, 1929. Republished Oct. 11. Class 12.

Flintkote Company, The, New York, N. Y. Bituminous material, and similar building material. 261,830, Sept. 24, 1929. Republished Oct. 11. Class 12.

Flory Milling Company, Inc., Bangor, Pa. Dairy feeds. 257,815, renewed June 18, 1949. O. G. Oct. 11. Class 46.

Folger, J. A., & Company, San Francisco, Calif. Tea. 74,619, Aug. 10, 1909. Republished Oct. 11. Class 46.

Folger, J. A., & Company, San Francisco, Calif. Roasted coffee. 74,946–7, Aug. 24, 1909. Republished Oct. 11. Class 46.

Food City Drive-In, Canton, Ohio. Sandwiches. 516,169, Oct. 11; Serial No. 535,160, published June 14, 1949. Class 46.

Foster, Benjamin, Company, Philadelphia, Pa. Bituminous waterproofing material, bituminous coating material for pipes, bituminous road filler, etc. 258,925, July 16, 1929. Republished Oct. 11. Class 12.

Friedman, Abe A., Atlanta, Ga. Watches. 516,275, Oct. 11; Serial No. 556,627, published June 21, 1949. Class 27.

Froom, Julius E., doing business as Elliot Pharmacal Company, Omaha, Nebr. Liniment lotion. 516,236, Oct. 11; Serial No. 551,555, published Nov. 9, 1948. Class 6.

Fusite Corporation, Cincinnati, Ohio. Hermetically sealed terminal panels. 443,444, Oct. 11; Serial No. 523,202, published June 28, 1949. Class 21.

Gaball, Limited, London, England. Preparation for the treatment of rheumatism. 516,168, Oct. 11; Serial No. 535,028, published July 5, 1949. Class 6.

Gaines Products Co., Inc.: *See*—
Regal Products Co.

Garland Company, The, Cleveland, Ohio. Asbestos fabricated material. 257,053, renewed May 28, 1949. O. G. Oct. 11. Class 12.

General Control Company, Boston, Mass. Panels of electronic and/or electro-mechanical sequence timers, circuits therefor and relays and condensers, etc. 443,433, Oct. 11; Serial No. 511,462, published June 28, 1949. Class 21.

Gibson Packing Company, doing business as American Products Company, Yakima, Wash. Canned dog and cat food. 516,182, Oct. 11; Serial No. 538,279, published June 28, 1949. Class 46.

Gilman, Osmon B.: *See*—
Gilman, Sarah D.

Gilman Paper Company, New York, N. Y. Paper bags. 264,197, Nov. 19, 1929. Corrected. O. G. Oct. 11. Class 2.

Gilman, Sarah D., to O. B. Gilman, doing business as Bailey's, Boston, Mass. Chocolates and all kinds of candies. 74,451, re-renewed July 13, 1949. O. G. Oct. 11. Class 46.

Goldstine, Sam, & Son, Phoenix, Ariz. Fresh vegetables. 516,209, Oct. 11; Serial No. 546,580, published June 28, 1949. Class 46.

Goodman Manufacturing Company: *See*—
Mancha Storage Battery Locomotive Company.

Gordon Baking Company: *See*—
Gordon Baking Co.

Gordon Baking Co., Chicago, Ill., by Gordon Baking Company, Detroit, Mich. Bread. 179,870, Feb. 19, 1924. Republished Oct. 11. Class 46.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollow ware, table cutlery. 516,289, Oct. 11; Serial No. 560,263, published June 21, 1949. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware and table cutlery. 516,291, Oct. 11; Serial No. 560,397, published June 21, 1949. Class 28.

Gorham Manufacturing Company, Providence, R. I. Silverplated ware. 516,298, Oct. 11; Serial No. 561,744, published June 21, 1949. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware and table cutlery. 516,315, Oct. 11; Serial No. 564,447, published July 5, 1949. Class 28.

Gottlieb, Lou, & Son, Inc., Philadelphia, Pa. Syrups. 516,273, Oct. 11; Serial No. 556,258, published July 5, 1949. Class 45.

Granat Bros., Inc., San Francisco, Calif. Finger rings, lockets, bracelets, etc. 516,196, Oct. 11; Serial No. 542,924, published June 21, 1949. Class 28.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Cheese. 263,135, renewed Oct. 29, 1949. O. G. Oct. 11. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Carbonated beverages. 516,201, Oct. 11; Serial No. 544,268, published July 12, 1949. Class 45.

Greibach, Emil H., New Rochelle, N. Y. Electrically heated soldering irons. 516,250, Oct. 11; Serial No. 553,613, published July 12, 1949. Class 21.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Co.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 516,295, Oct. 11; Serial No. 561,624, published June 21, 1949. Class 27.

Gummed Products Company, The, Troy, Ohio. Gummed paper sheets, gummed paper tape, gummed cloth sheets, etc. 260,032, renewed Aug. 13, 1949. O. G. Oct. 11. Class 37.

Halex Limited, London, England. Toothbrushes, hair brushes, nail brushes, and shaving brushes. 516,319, Oct. 11; Serial No. 566,276, published June 28, 1949. Class 29.

Halex Limited, London, England. Toothbrushes, hair brushes, nail brushes, and shaving brushes. 516,320, Oct. 11; Serial No. 566,288, published June 21, 1949. Class 29.

Hall, J. M., Co.: *See*—
Brogan, Theresa G.

Harrington, Van Dusen, Co., Minneapolis, Minn., operating through a division known as King Midas Flour Mills. Wheat flour. 516,174, Oct. 11; Serial No. 536,851, published June 28, 1949. Class 46.

Harris Langenberg Hat Company: *See*—
Harris-Polk Hat Company.

Harris-Polk Hat Company, to Harris Langenberg Hat Company, St. Louis, Mo. Men's hats and caps. 256,101–2, renewed May 7, 1949. O. G. Oct. 11. Class 39.

Harvey & Otis, Incorporated, Providence, R. I. Jewelry, buttons, religious medals, etc. 516,300, Oct. 11; Serial No. 562,186, published July 5, 1949. Class 28.

Hato Company, assignor to Hato Company, Inc., New Orleans, Inc. Diuretic, stimulant, and germicide. 516,321, Oct. 11; Serial No. 567,580, published July 5, 1949. Class 6.

Hato Company, Inc.: *See*—
Hato Company.

Heating & Air Conditioning Supply, Inc., Reno, Nev. Electrical space heaters, electrical combination fan and space heaters, electric fans, etc. 516,194, Oct. 11; Serial No. 542,313, published June 28, 1949. Class 21.

Heyden Chemical Corporation, New York, N. Y. Colloidal sulfur and colloidal sulfur preparations. 443,438, Oct. 11; Serial No. 519,271, published July 5, 1949. Class 6.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie holders, collar fasteners, belt buckles, etc. 516,221, Oct. 11; Serial No. 549,247, published June 21, 1949. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Jewelry. 516,222, Oct. 11; Serial No. 549,248, published June 21, 1949. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles, key chains, collar bars, etc. 516,223, Oct. 11; Serial No. 549,256, published June 21, 1949. Class 28.

Hilmer, Alfred M., Springfield, Ill. Chilli-powder seasonings. 516,243, Oct. 11; Serial No. 552,775, published June 28, 1949. Class 46.

Himmelrich, Alfred R., doing business as Inland Oil Co., Baltimore, Md. Motor fuel oils, lubricating oils, and lubricating greases. 286,677, Dec. 20, 1927. Republished Oct. 11. Class 15.

Holmes, T. J., Co., Inc., Chartley, Mass. Atomisers. 516,251, Oct. 11; Serial No. 553,703, published June 21, 1949. Class 44.

Hoover Company, The, North Canton, Ohio. Electrical suction cleaners and parts therefor. 516,149, Oct. 11; Serial No. 527,240, published July 12, 1949. Class 21.

Hudnut, Richard, New York, N. Y. Rouge and lipstick. 516,322, Oct. 11; Serial No. 567,865, published July 12, 1949. Class 6.

Hughes-Keenan Company, The, Mansfield, to Hughes-Keenan Corporation, Delaware, Ohio. Motor dumping trucks. 260,764, renewed Aug. 27, 1949. O. G. Oct. 11. Class 19.

Hughes-Keenan Corporation: *See*—
Hughes-Keenan Company, The.

Hughes, Tek, Inc.: *See*—
Johnson & Johnson.

Humes & Berg Mfg. Co., Inc., Chicago, Ill. Accessories for musical wind instruments. 516,161, Oct. 11; Serial No. 531,476, published May 31, 1949. Class 36.

I. C. A. Industrie Conserve Alimentari, Soc. An., Rome, Italy. Concentrated tomato, tomato sauce, peeled tomatoes, etc. 443,445, Oct. 11; Serial No. 525,064, published June 21, 1949. Class 46.

Inland Oil Co.: *See*—
Himmelrich, Alfred R.

Interchemical Corporation, New York, N. Y. Pigment material for paints and varnishes. 516,271, Oct. 11; Serial No. 556,102, published June 28, 1949. Class 16.

International Silver Company, The, Meriden, Conn. Silver-plated flat-ware. 516,160, Oct. 11; Serial No. 530,936, published June 28, 1949. Class 28.

Italian & American Cash & Carry Grocery & Meat Market: *See*—
Naso, Vincent C.

Ivins', J. S., Son, Inc., Philadelphia, assignor to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Cookies. 516,133, Oct. 11; Serial No. 470,834, published June 28, 1949. Class 46.

Jacobson, Isadore M., Peoria, Ill. Radio receiving sets and radio tubes. 516,198, Oct. 11; Serial No. 543,297, published July 12, 1949. Class 21.

Jamet, Nadal A., Havana, Cuba. Perfumed lotions and unguents for the hair. 516,278, Oct. 11; Serial No. 557,296, published July 5, 1949. Class 6.

Japanese Tissue Mills, to American Tissue Mills, Holyoke, Mass. Decorated or ornamental crape paper napkins. 74,178, re-renewed June 22, 1949. O. G. Oct. 11. Class 37.

Johnson & Johnson, New Brunswick, N. J. Toilet or nursery powder. 74,097, June 15, 1909. Republished Oct. 11. Class 6.

Johnson & Johnson, New Brunswick, N. J., to Tek Hughes, Inc., New York, N. Y. Toothbrushes. 258,849, renewed July 16, 1949. O. G. Oct. 11. Class 29.

Jonkopings Och Vulcans Tandsticks-fabriksaktiebolag, Jonoping, Sweden. Matches. 74,733, re-renewed Aug. 3, 1949. O. G. Oct. 11. Class 9.

Kansas Mill & Elevator Company, The, Arkansas City, Kans., to Dixie-Portland Flour Co., Memphis, Tenn. Wheat flour. 261,264, renewed Sept. 10, 1949. O. G. Oct. 11. Class 46.

Kats, Alexander Dr., and Company, Los Angeles, Calif. Imitation vanilla concentrate. 516,154, Oct. 11; Serial No. 529,656, published June 14, 1949. Class 46.

Kay-Brunner Steel Casting Co., Los Angeles, by Kay-Brunner Steel Products, Inc., Alhambra, Calif. Steel castings. 222,026, Dec. 21, 1926. Republished Oct. 11. Class 14.

Kay-Brunner Steel Products, Inc.: *See*—
Kay-Brunner Steel Casting Co.

Kay-Brunner Steel Products, Inc., Alhambra, Calif. Iron castings. 305,296, Aug. 15, 1933. Republished Oct. 11. Class 14.

Kelbert Watch Company, New York, N. Y. Watches, watch case, and watch movements and parts thereof. 516,274, Oct. 11; Serial No. 556,454, published June 21, 1949. Class 27.

Kent-Moore Organization Inc., Detroit, Mich. Electric lighting fixtures. 516,246, Oct. 11; Serial No. 552,989, published July 12, 1949. Class 21.

King Midas Flour Mills: *See*—
Harrington, Van Dusen, Co.

Komfo Products Corporation: *See*—
Bernstein Manufacturing Company.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 516,332, Oct. 11; Serial No. 522,532. Class 26.

Koven Bros., New York, N. Y. Finger rings. 516,288, Oct. 11; Serial No. 560,025, published June 28, 1949. Class 28.

Kraft Foods Company: *See*—
Straubel, C. A., Company.

Kraft Foods Company, Chicago, Ill. Cheese. 516,177, Oct. 11; Serial No. 537,465, published June 28, 1949. Class 46.

Lake Specialty Co., Chicago, Ill. Electric floor, table, bridge, and boudoir lamps, electric lighting fixtures, etc. 516,136, Oct. 11; Serial No. 495,891, published July 12, 1949. Class 21.

Law, John W.: *See*—
Law, John W., Co.

Law, John W., Co., also doing business as John W. Law, Santa Maria and Guadalupe, Calif. Fresh cauliflower. 443,443, Oct. 11; Serial No. 522,255, published June 28, 1949. Class 46.

Lazarus, S., & Sons, Inc., Chicago, Ill. Finger rings. 516,156, Oct. 11; Serial No. 530,322, published June 28, 1949. Class 28.

Leisy Brewing Company, The, Cleveland, Ohio. Beer. 443,447, Oct. 11; Serial No. 525,613, published July 12, 1949. Class 48.

Lenger, David M., doing business as Africano Laboratories, New York, N. Y. Raticides, insecticides, and fungicides. 516,299, Oct. 11; Serial No. 561,869, published July 5, 1949. Class 6.

Lent, Robert H., doing business as Tnel Manufacturing Company, Hornell, N. Y. Electric arc welding machines and spot welding machines. 516,164, Oct. 11; Serial No. 533,752, published June 28, 1949. Class 21.

Linsk, H., & Co.: *See*—
Linsk, Harry.

Linsk, Harry, doing business as H. Linsk & Co., to Linsk of Philadelphia, Inc., Philadelphia, Pa. Children's and misses' dresses. 246,187, renewed Sept. 4, 1948. O. G. Oct. 11. Class 39.

Linsk of Philadelphia, Inc.: *See*—
Linsk, Harry.

Lionel Corporation, The, New York, N. Y. Molded plastic electrical housings or parts. 443,429, Oct. 11; Serial No. 485,730, published July 12, 1949. Class 21.

Loew's Incorporated, New York, N. Y., and elsewhere. Mechanically grooved phonograph records. 516,142–4, Oct. 11; Serial Nos. 515,885–6, published June 8, 1948. Class 36.

Lubin Perfumery Corporation, New York, N. Y., to Lubin Perfumery Corporation, Wilmington, Del. Perfumes, toilet waters, face lotions, etc. 264,101, renewed Nov. 19, 1949. O. G. Oct. 11. Class 6.

Lyte Parts Company, Plainfield, N. J. Radio and television masts and antennae. 516,257, Oct. 11; Serial No. 554,237, published July 12, 1949. Class 21.

M & H Laboratories, Chicago, Ill. Liquid solvent for preserving and restoring used paint and varnish brushes. 516,147, Oct. 11; Serial No. 526,613, published June 28, 1949. Class 16.

M. & S. Dairy Specialties, assignor to Crest Foods Co., by Crest Foods Co., Ashton, Ill. Fusion of casein and lactalbumin in powder form. 442,934, June 21, 1949. Republished Oct. 11. Class 46.

Maddock, Arthur G., Duarte, by Azusa Citrus Association, Azusa, Calif. Fresh citrus fruits. 176,964, Dec. 11, 1923. Republished Oct. 11. Class 46.

Magnavox Company, The, Fort Wayne, Ind. Television receiving sets and parts thereof. 516,254, Oct. 11; Serial No. 554,137, published July 12, 1949. Class 21.

Mainbocher: *See*—
Bocher, Main B.

Manatee Crate Company, Inc., Manatee, to Nocatee-Manatee Crate Company, Nocatee, Fla. Fruit and vegetable hampers. 258,004, renewed June 25, 1949. O. G. Oct. 11. Class 2.

Mancha Storage Battery Locomotive Company, St. Louis, Mo., to Goodman Manufacturing Company, Chicago, Ill. Electric locomotives. 261,845, renewed Sept. 24, 1949. O. G. Oct. 11. Class 21.

Marquis, A. N., Company, The, Chicago, Ill. Publication. 508,802, Apr. 19, 1949. Corrected. O. G. Oct. 11. Class 38.

Marsh Stencil Machine Company, Belleville, Ill. Fountain brushes. 516,192, Oct. 11; Serial No. 542,219, published July 5, 1949. Class 29.

Master Surgical Instrument Corp., Irvington, N. J. Haemostatic forceps, holders for surgical needles, tissue forceps, etc. 516,265, Oct. 1; Serial No. 555,550, published May 24, 1949. Class 44.

May Department Stores Company, The, St. Louis, Mo. Mattresses. 260,967, Sept. 3, 1929. Republished Oct. 11. Class 32.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Solenoids, mechanisms incorporating solenoids. 516,276, Oct. 11; Serial No. 556,648, published June 28, 1949. Class 21.

Meat Industry Suppliers, Inc., Chicago, Ill. Curing compound, sodium nitrate, etc. 516,193, Oct. 11; Serial No. 542,251, published July 5, 1949. Class 6.

Modern Methods, Incorporated, Atlanta, Ga. Germicide disinfectant, ice box deodorizer, roach and ant powder, etc. 516,228, Oct. 11; Serial No. 550,056, published July 12, 1949. Class 6.

Morey Mercantile Company, The, Denver, Colo. Brooms. 516,224–6, Oct. 11; Serial Nos. 549,392–3, published June 28, 1949. Class 29.

Morgan Adams Co. Inc., Cayuga, Ind., now by change of name Morgan & Son's Canning Co., Inc. Canned corn. 516,140, Oct. 1; Serial No. 515,009, published June 14, 1949. Class 46.

Morgan & Son's Canning Co., Inc.: *See*—
Morgan Adams Co. Inc.

Morton Salt Company, Chicago, Ill. Salt. 516,178, Oct. 11; Serial No. 537,813, published June 28, 1949. Class 46.

Morton Sundour Fabrics Limited, Carlisle, England. Piece goods, coverlets or bedspreads, bed hangings, etc. 418,664, Jan. 6, 1946. Republished Oct. 11. Class 42.

Mueller, C. F., Company: *See*—
Mueller, C. F. Co.

Mueller, C. F., Co., Jersey City, N. J., now by merger C. F. Mueller Company. Noodles, macaroni, spaghetti, and analogous alimentary pastes. 516,167, Oct. 11; Serial No. 534,314, published June 28, 1949. Class 46.

Mutual Hospitalization Insurance Company, Wilmington, Del. Underwriting of hospitalization and accident insurance. 516,325, Oct. 11; Serial No. 541,017, published July 12, 1949. Class 55.

Naso, Vincent C., doing business as Italian & American Cash & Carry Grocery & Meat Market, Cleveland, Ohio. Canned coffee, spaghetti, and macaroni, etc. 264,899, renewed Dec. 10, 1949. O. G. Oct. 11. Class 46.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Table damask, tablecloths, and toweling. 263,098, renewed Oct. 29, 1949. O. G. Oct. 11. Class 42.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Silk and cotton piece goods. 264,156, renewed Nov. 19, 1949. O. G. Oct. 11. Class 42.

National Bellas Hess, Inc.: *See*—
National Bellas Hess Co. Inc.

National Cylinder Gas Company, Chicago, Ill. Electrical arc welding machines, welding units and parts thereof, etc. 516,206, Oct. 11; Serial No. 545,513, published June 28, 1949. Class 21.

National Cylinder Gas Company, Chicago, Ill. Compressed industrial gas. 516,283, Oct. 11; Serial No. 553,503, published July 5, 1949. Class 6.

National Metal Edge Box Company, Philadelphia, Pa. Paper-box board in the piece. 257,970, renewed June 25, 1949. O. G. Oct. 11. Class 37.

National Oil Products Co.: *See*—
Nopco Chemical Company.

National Remedy Company, Inc., White Plains, N. Y. Medicinal oil. 516,208, Oct. 11; Serial No. 545,873, published May 17, 1949. Class 6.

Nestle Le Mur Company, The, South Meriden, Conn. Treated paper sheets used in hair waving. 516,139, Oct. 11; Serial No. 512,339, published June 21, 1949. Class 44.

Nocatee-Menatee Crate Company: *See*—
Manatee Crate Company, Inc.

Nopco Chemical Company, Harrison, N. J., now by change of name from National Oil Products Co. Shampoo. 516,138, Oct. 11; Serial No. 511,350, published June 21, 1949. Class 6.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Television receiving apparatus. 516,232, Oct. 11; Serial No. 550,545, published July 12, 1949. Class 21.

North Wayne Tool Company, Oakland, Maine. Hay knives, grass hooks, and bush hooks. 263,079, renewed Oct. 29, 1949. O. G. Oct. 11. Class 23.

Norwich Pharmacal Company, The, Norwich, N. Y. Medicinal preparations. 264,505, renewed Nov. 26, 1949. O. G. Oct. 11. Class 6.

Nutrition Research Laboratories, Chicago, Ill. Ointment. 516,284, Oct. 11; Serial No. 558,582, published June 28, 1949. Class 6.

Oakes & Company, Chicago, Ill. Ready-mixed paints, cold water paints, floor sealers, furniture polish, etc. 443,446, Oct. 11; Serial No. 525,386, published Jan. 13, 1948. Class 16.

Ohio Hydrate & Supply Company, The, Woodville, Ohio. Lime. 264,646, renewed Dec. 3, 1949. O. G. Oct. 11. Class 12.

Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 516,261–3, Oct. 11; Serial Nos. 555,438–40, published July 5, 1949. Class 45.

Olympic Glove Company, New York, N. Y., by Olympic Glove Company, assignor to Olympic Glove Company, Inc. Finger guards. 422,763, Aug. 13, 1946. Republished Oct. 11. Class 39.

Olympic Glove Company, Inc.: *See*—
Olympic Glove Company.

Opotow Dental Manufacturing Corporation, Brooklyn, N. Y. Bite plates for making artificial dentures, and apparatus for determining proper occlusion for artificial dentures. 374,012, Dec. 26, 1939. Republished Oct. 11. Class 44.

Oronite Chemical Company: *See*—
Standard Oil Company of California.

Outdoor Life Publishing Company, The, Denver, Colo., to Popular Science Publishing Company, Inc., New York, N. Y. Title of a periodical. 258,863, renewed July 16, 1949. O. G. Oct. 11. Class 38.

Parfumerie Lubin Société Anonyme, Paris, France. Perfumes, toilet waters, rouge, lipstick, and face creams. 443,435, Oct. 11; Serial No. 517,427, published July 5, 1949. Class 6.

Paris Airshopping Service, Inc., New York, N. Y. Purchasing service. 516,328, Oct. 11; Serial No. 564,521, published July 12, 1949. Class 55.

Paris Medicine Co., to The Grove Laboratories, Inc., St. Louis, Mo. Ointment. 258,555, renewed July 9, 1949. O. G. Oct. 11. Class 6.

Patek Brothers, Inc., Milwaukee, Wis. Paint. 516,173, Oct. 11; Serial No. 536,432, published Oct. 19, 1948. Class 16.

Perfumeria Gal, S. A., Madrid, Spain. Tonic preparation. 516,280, Oct. 11; Serial No. 557,774, published July 12, 1949. Class 6.

Philadelphia Rust-Proof Co., Philadelphia, Pa. Brightening the surfaces of aluminum and other metal articles by chemical treatment. 516,329, Oct. 11; Serial No. 564,582, published July 12, 1949. Class 55.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour and wheat flour middlings. 103,397, Mar. 30, 1915. Republished Oct. 11. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 320,875, Sept. 3, 1940. Republished Oct. 11. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Prepared mixture. 326,432, July 14, 1942. Republished Oct. 11. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.
Pillsbury-Washburn Flour Mills Company, Ltd.
Zabriskie, George A.

Pillsbury-Washburn Flour Mills Company, Ltd., by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 45,927, Aug. 29, 1905. Republished Oct. 11. Class 46.

Pinaud, Ed., Inc.: *See*—
Pinaud Incorporated.

Pinaud Incorporated, to Ed. Pinaud, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 265,085, renewed Dec. 17, 1949. O. G. Oct. 11. Class 6.

Pinaud Incorporated, to Ed. Pinaud, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 265,087, renewed Dec. 17, 1949. O. G. Oct. 11. Class 6.

Plochman & Harrison, Chicago, Ill. Prepared mustard. 516,134, Oct. 11; Serial No. 471,984, published June 28, 1949. Class 46.

Pond's Extract Company, New York, N. Y., and elsewhere. Cosmetic rouge. 516,314, Oct. 11; Serial No. 563,981, published June 14, 1949. Class 6.

Popular Science Publishing Company, Inc.: *See*—
Outdoor Life Publishing Company, The.

Portland Canning Company, Inc., Forest Grove and Sherwood, Oreg. Canned fruits and vegetables. 516,196, Oct. 11; Serial No. 543,216, published June 14, 1949. Class 46.

Postal Finance Company, Sioux City, Iowa. Personal loans and installment financing time payment sales of merchandise and commodities. 505,512, Jan. 4, 1949. Amended. O. G. Oct. 11. Class 55.

Precision Audio Products Inc., New York, N. Y. Electrical sound recording, amplifying, and reproducing machines. 516,229, Oct. 11; Serial No. 550,070, published July 5, 1949. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 438,321, Apr. 13, 1948. Republished Oct. 11. Class 4.

Progress Jewelry Mfg. Co., Providence, R. I. Ladies' costume jewelry. 516,296, Oct. 11; Serial No. 561,640, published June 21, 1949. Class 28.

Pul-A-Way Products Limited, Toronto, Ontario, Canada. Powdered material for reducing slippage on slippery surface. 516,336, Oct. 11; Serial No. 571,575. Class 4.

Purity Cheese Company, Mayville, Wis. Cheese. 389,171, July 29, 1941. Republished Oct. 11. Class 46.

Radio Corporation of America, New York, N. Y. Flashlights, crystal pickup units for electrical phonographs, lightning arresters for radio apparatus. 516,231, Oct. 11; Serial No. 550,346, published July 5, 1949. Class 21.

Rainier Pulp & Paper Company, San Francisco, Calif., by Rayonier Incorporated, New York, N. Y. Wood pulp. 275,079, Sept. 16, 1930. Republished Oct. 11. Class 1.

Rainier Pulp & Paper Company, San Francisco, Calif., by Rayonier Incorporated, New York, N. Y. Wood pulp. 322,480, Mar. 5, 1935. Republished Oct. 11. Class 1.

Rayonier Incorporated: *See*—
Rainier Pulp & Paper Company.

Rayonier Incorporated, New York, N. Y. Wood pulp. 380,858, Sept. 3, 1940. Republished Oct. 11. Class 1.

Rayonier Incorporated, New York, N. Y. Wood pulp. 380,860, Sept. 3, 1940. Republished Oct. 11. Class 1.

Rayonier Incorporated, New York, N. Y. Wood pulp. 382,634, Nov. 5, 1940. Republished Oct. 11. Class 1.

Red Fox Orchards, assignor to Consolidated Orange Growers, to Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. 264,993, renewed Dec. 10, 1949. O. G. Oct. 11. Class 46.

Red Star Express Lines of Auburn, Inc., Auburn, N. Y. Transportation by motor vehicles of general commodities in interstate commerce. 516,331, Oct. 11; Serial No. 564,662, published July 12, 1949. Class 55.

Reed & Barton, Taunton, Mass. Silverware. 516,255–6, Oct. 11; Serial Nos. 554,159–60, published June 21, 1949. Class 28.

Reed & Carnrick, Jersey City, N. J. Synthetic estrogen. 434,974, Dec. 9, 1947. Republished Oct. 11. Class 6.

Regal Products Co., New York, N. Y., and San Francisco, Calif., to Gairee Products Co., Inc., New York, N. Y. Deodorant. 265,160, renewed Dec. 17, 1949. O. G. Oct. 11. Class 6.

Regent Company, Inc., New York, N. Y., to Regent Company, Inc., Manheim, Pa. Rompers, blouses, pajamas, etc. 263,317, renewed Nov. 5, 1949. O. G. Oct. 11. Class 39.

Revell, John H., Shafter, Calif. Devices for sharpening dental and medical instruments. 443,448, Oct. 11; Serial No. 523,039. Class 44.

Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.

Rochester Ribbon & Carbon Co., Inc., Rochester, N. Y. Carbon paper, typewriter ribbons and adding machine ribbons. 516,152, Oct. 11; Serial No. 523,645, published June 28, 1949. Class 11.

Roebling's, John A., Sons Company, Trenton, N. J. Electrical wire and cable. 516,210, Oct. 11; Serial No. 546,613, published July 12, 1949. Class 21.

Royalton Lamp & Chime Corporation, Bronx, New York, N. Y. Electrically operated lamps and lighting fixtures and component parts thereof. 516,211, Oct. 11; Serial No. 546,616, published July 12, 1949. Class 21.

Safeway Stores, Incorporated, Oakland, Calif. Brooms. 516,277, Oct. 11; Serial No. 557,073, published June 28, 1949. Class 29.

Samsan Company, The, Providence, R. I. Finger rings. 516,212, Oct. 11; Serial No. 546,619, published June 21, 1949. Class 28.

Sanitube Company, The: *See*—
Bachmann, Robert A.

Savides, Savas, Rockaway Beach, N. Y. Coffee. 443,441, Oct. 11; Serial No. 521,212, published June 28, 1949. Class 46.

Sayman Products Company, St. Louis, Mo. Insect repellent. 516,281, Oct. 11; Serial No. 557,965, published July 12, 1949. Class 6.

Schenley Laboratories, Inc., New York, N. Y. Pharmaceutical product. 516,303, Oct. 11; Serial No. 562,069, published July 5, 1949. Class 6.

Sea Gem Company, Inc., The, New York, N. Y. Pearl jewelry. 516,309, Oct. 11; Serial No. 563,369, published July 5, 1949. Class 28.

Selmer, H. & A., Incorporated, Elkhart, Ind. Musical instrument cases, guitar neck cords, phonograph record albums. 516,197, Oct. 11; Serial No. 543,226, published July 5, 1949. Class 36.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 516,266, Oct. 11; Serial No. 555,633, published May 17, 1949. Class 6.

Shields, H. W., & Associates: *See*—
Shields, Harry W.

Shields, Harry W., doing business under the name and style of H. W. Shields & Associates, Milwaukee, Wis. Life insurance brokerage and instruction in life insurance salesmanship. 516,326, Oct. 11; Serial No. 549,468, published July 5, 1949. Class 55.

Short, William P., Detroit, Mich. Bird seed. 443,442, Oct. 11; Serial No. 522,059, published June 21, 1949. Class 46.

Sigma Products Corporation, New York, N. Y. Inedible refill wafers impregnated with volatile breath-sweetening agents. 516,240, Oct. 11; Serial No. 552,090, published July 5, 1949. Class 6.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 264,872, renewed Dec. 10, 1949. O. G. Oct. 11. Class 23.

Simpson, Amy T., Orange, Mass. Liniment. 516,312, Oct. 11; Serial No. 563,503, published July 5, 1949. Class 6.

Skasol Corporation, Webster Groves, Mo. Applicator or short-handled cleaning mop. 516,219, Oct. 11; Serial No. 549,092, published June 21, 1949. Class 29.

Smith, Werner G., Company, The, Cleveland, Ohio, by Archer-Daniels-Midland Company, Minneapolis, Minn. Core oils, and oils for other foundry purposes, etc., all of an adhesive nature. 220,703, Nov. 16, 1926. Republished Oct. 11. Class 5.

Societe Anonyme Renaud Paris 1817, Montreuil, Seine, France. Nail polish, face, hand, body and hair lotions. 516,146, Oct. 11; Serial No. 523,807, published June 28, 1949. Class 6.

Sorensen and Company, Inc., Stamford, Conn. Voltage regulators. 516,190, Oct. 11; Serial No. 541,713, published June 28, 1949. Class 21.

Southern Brewing Company, Tampa, Fla. Beer and ale. 516,182, Oct. 11; Serial No. 539,223, published July 12, 1949. Class 48.

Spaulding Bakeries, Inc., Binghamton, N. Y. Fruit cake. 254,715, renewed Mar. 26, 1949. O. G. Oct. 11. Class 46.

Spears & Riddle Co., Wheeling, W. Va., by Fleet-Wing Corporation, Cleveland, Ohio. Gasoline and lubricating oils. 175,967, Nov. 13, 1923. Republished Oct. 11. Class 15.

Spiegel, Inc., Chicago, Ill. Electrically operated vacuum cleaners. 516,244, Oct. 11; Serial No. 552,887, published July 12, 1949. Class 21.

Sport Products Inc., Cincinnati, Ohio. Athletic equipment. 442,001, Feb. 8, 1949. Republished Oct. 11. Class 22.

Staaf, Richard V., Crafton, Pa. Electrical apparatus. 516,217, Oct. 11; Serial No. 548,543, published June 28, 1949. Class 21.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Mineral oil. 258,559, renewed July 9, 1949. O. G. Oct. 11. Class 6.

Standard Oil Company, The, Cleveland, Ohio. Transformer oils and compounds. 263,225, renewed Nov. 5, 1949. O. G. Oct. 11. Class 15.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., to Oronite Chemical Company, San Francisco, Calif. Insecticides, disinfectants, and germicides, etc. 257,899, renewed June 18, 1949. O. G. Oct. 11. Class 6.

Steinwender, Stoffregen & Co., Inc. Green coffee. 516,202, Oct. 11; Serial No. 544,474, published June 28, 1949. Class 46.

Stewart-Warner Corporation, Chicago, Ill. Radio receiving sets. 516,199, Oct. 11; Serial No. 542,667, published June 28, 1949. Class 21.

Straubel, C. A., Company, Green Bay, Wis., by Kraft Foods Company, Chicago, Ill. Cheese. 273,263, July 29, 1930. Republished Oct. 11. Class 46.

Strutsberg-Carlson Company, Rochester, N. Y. Radio and television receiving sets. 516,244, Oct. 11; Serial No. 563,461, published July 12, 1949. Class 21.
Stuart Hall Co., Chicago, Ill. Maidens soft drink beverages. 516,239, Oct. 11; Serial No. 556,113, published July 5, 1949. Class 46.
Swank, Inc.: *See*—
Bear & Wilde Company, The.
Swanson, C. A., & Sons, Omaha, Nebr. Canned goods, frozen poultry. 516,151, Oct. 11; Serial No. 527,902, published June 21, 1949. Class 46.
Tanner-Gross, W. P., and Company, Inc., by Distributors Trucking Corporation, New York, N. Y. Wheat-flour. 122,046, June 18, 1918. Republished Oct. 11. Class 46.
Tanner-Gross, W. P., & Company, Inc., by Distributors Trucking Corporation, New York, N. Y. Wheat-flour. 124,065, Dec. 31, 1918. Republished Oct. 11. Class 46.
Tanner-Gross, W. P., & Company, Inc., by Distributors Trucking Corporation, New York, N. Y. Wheat-flour. 124,479, Feb. 18, 1919. Republished Oct. 11. Class 46.
Tanner-Gross, W. P., & Company, Inc., by Distributors Trucking Corporation, New York, N. Y. Wheat-flour. 132,831, June 29, 1920. Republished Oct. 11. Class 46.
Tanner-Gross, W. P., & Company, Inc., by Distributors Trucking Corporation, New York, N. Y. Wheat-flour. 133,064, July 6, 1920. Republished Oct. 11. Class 46.
Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Glass bottles and glass tumblers. 516,171, Oct. 11; Serial No. 536,897, published June 21, 1949. Class 33.
Thor Corporation, Chicago, Ill., by change of name from Electric Household Utilities Corporation. Electric dishwashing machines. 516,142, Oct. 11; Serial No. 515,866, published June 28, 1949. Class 21.
Tael Manufacturing Company: *See*—
Lent, Robert H.
Triangle Finishing Corp., Johnstown, N. Y. Dyeing and chemically processing acetate piece goods. 516,330, Oct. 11; Serial No. 564,666, published May 10, 1949. Class 55.
Valjean Pearl Corp., Brooklyn, N. Y. Pearl necklaces and earrings. 516,290, Oct. 11; Serial No. 560,368, published June 21, 1949. Class 23.
Van Ameringan-Haebler, Inc., New York, N. Y. Food flavoring extracts. 516,176, Oct. 11; Serial No. 537,375, published May 31, 1949. Class 46.
Vangsnes, K. T., doing business as The Vanode Company, Pasadena, Calif. Metallic anodes. 516,235, Oct. 11; Serial No. 560,973, published July 12, 1949. Class 21.
Vanode Company, The: *See*—
Vangsnes, K. T.
Veralin, Inc., Chicago, Ill. Tampons, rubber gloves for surgical use, and prophylactic rubber articles. 434,918, Dec. 9, 1947. Republished Oct. 11. Class 44.
Virginia Maid Hosiery Mills, Inc., Pulaski, Va. Hosiery. 263,377, renewed Nov. 5, 1949. O. G. Oct. 11. Class 39.
Vitamins, Inc., Chicago, Ill. Vitamin preparation. 516,186, Oct. 11; Serial No. 540,944, published Nov. 23, 1948. Class 6.
Wadsworth Watch Case Company, The, Dayton, Ohio. Watch cases. 516,153, Oct. 11; Serial No. 528,966, published June 21, 1949. Class 27.
Walgreen Co., Chicago, Ill. Tobacco products. 257,944, renewed June 25, 1949. O. G. Oct. 11. Class 17.
Ware Shoals Manufacturing Company, Ware Shoals, S. C., and New York, N. Y., by Riegel Textile Corporation, New York, N. Y. Cotton and flax sheets, cotton and flax pillowcases, cotton and flax diapers, etc. 260,615, Aug. 27, 1929. Republished Oct. 11. Classes 39 and 42.
Washington Manufacturing Company, Nashville, Tenn. Work shirts, work pants, overalls, etc. 442,507, May 3, 1949. Republished Oct. 11. Class 39.
West Disinfecting Company, Long Island City, N. Y. Hand mop, wax hand mop. 516,258, Oct. 11; Serial No. 554,453, published June 21, 1949. Class 29.
Western Newspaper Union, Omaha, Nebr., and Dover, Del. Printing inks. 516,268, Oct. 11; Serial No. 555,715, published Dec. 21, 1948. Class 11.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric fans. 516,245, Oct. 11; Serial No. 552,909, published July 5, 1949. Class 21.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric fans. 516,247, Oct. 11; Serial No. 553,229, published July 12, 1949. Class 21.
Whistling Oyster, The, Ogunquit, Maine. Sterling silver and silver-plated hollow ware. 516,316, Oct. 11; Serial No. 564,493, published July 5, 1949. Class 28.
Williams, Arthur A., doing business as Arthur A. Williams Shoe Company, Wayland and Holliston, Mass., to A. A. Williams, Holliston, Mass. Leather boots and shoes. 73,503, re-renewed Apr. 27, 1949. O. G. Oct. 11. Class 39.
Williams, Arthur A., Shoe Company: *See*—
Williams, Arthur A.
Willoughby, J. A., Company: *See*—
Willoughby, John A.
Willoughby, John A., doing business as J. A. Willoughby Company, Falls Church, Va. Beer. 516,267, Oct. 11; Serial No. 555,642, published July 5, 1949. Class 48.
Wyeth Incorporated, Philadelphia, Pa. Glycerophosphates compound and vitamin B-complex. 516,235, Oct. 11; Serial No. 551,154, published July 12, 1949. Class 6.
Wyndale Manufacturing Corporation, Indianapolis, Ind. Combination units consisting of a small electric grill or stove. 516,333, Oct. 11; Serial No. 540,346. Class 21.
Zabriskie, George A., New York, N. Y., by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 172,613, Sept. 11, 1923. Republished Oct. 11. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Blackwood Coal and Coke Company. 260,677, renewed Aug. 27, 1940. O. G. Oct. 11.
Pulp, Wood. Rainier Pulp & Paper Company. 275,079, Sept. 16, 1930. Republished Oct. 11.
Pulp, Wood. Rainier Pulp & Paper Company. 322,480, Mar. 5, 1935. Republished Oct. 11.
Pulp, Wood. Rayonier Incorporated. 380,858, Sept. 3, 1940. Republished Oct. 11.
Pulp, Wood. Rayonier Incorporated. 380,860, Sept. 3, 1940. Republished Oct. 11.
Pulp, Wood. Rayonier Incorporated. 382,634, Nov. 5, 1940. Republished Oct. 11.
Sheets, rods, tubes, powders, etc. Celluloid Corporation. 263,787, renewed Nov. 12, 1949. O. G. Oct. 11.
Skins, Fur, hides, and pelts. Best & Co. Inc. 213,256, May 25, 1926. Republished Oct. 11.

CLASS 2

Bags, Diaper. Best & Co. Inc. 375,210, Feb. 18, 1940. Republished Oct. 11.
Bags, Paper. Gilman Paper Company. 264,197, Nov. 19, 1929. Corrected. O. G. Oct. 11.
Hampers, Fruit and vegetable. Manatee Crate Company, Inc. 256,004, renewed June 26, 1949. O. G. Oct. 11.

CLASS 4

Cleaner, Sudsing, cleanser, and detergent. The Procter & Gamble Company. 438,321, Apr. 13, 1948. Republished Oct. 11.
Polish, Shoe. Best & Co. Inc. 383,014, Nov. 19, 1940. Republished Oct. 11.
Powdered material for reducing slippage on slippery surfaces. Pal-A-Way Products Limited. 516,236, Oct. 11; Serial No. 571,575.
Soap. Best & Co. Inc. 439,582, July 6, 1948. Republished Oct. 11.
Soap, Oil, cleansers, and metal polishes for automobiles. Fleet-Wing Corporation. 320,799, Jan. 8, 1935. Republished Oct. 11.

CLASS 5

Oils, Core, and oils for other foundry purposes, etc., all of an adhesive nature. The Werner G. Smith Company. 220,703, Nov. 16, 1926. Republished Oct. 11.

CLASS 6

Antibacterial preparation. Sharp & Dohme, Incorporated. 516,266, Oct. 11; Serial No. 555,633, published May 17, 1949.
Assistants used in dye-baths. Arkansas Company, Inc. 443,430, Oct. 11; Serial No. 507,289, published July 5, 1949.
Barium meal. Buck X-Ograph Company. 516,287, Oct. 11; Serial No. 559,003, published July 12, 1949.
Chemicals. Dowell Incorporated. 516,220, Oct. 11; Serial No. 549,186, published July 5, 1949.
Cosmetic rouge. Pond's Extract Company. 516,314, Oct. 11; Serial No. 563,931, published June 14, 1949.
Curing compound, sodium nitrate, etc. Meat Industry Suppliers, Inc. 516,193, Oct. 11; Serial No. 542,251, published July 5, 1949.
Deodorant. Regal Products Co. 265,160, renewed Dec. 17, 1949. O. G. Oct. 11.
Disinfectant, Germicide, ice box deodorizer, roach and ant powder, etc. Modern Methods, Incorporated. 516,228, Oct. 11; Serial No. 550,056, published July 12, 1949.
Diuretic, stimulant, and germicide. Hato Company. 516,321, Oct. 11; Serial No. 567,580, published July 5, 1949.
Eau de cologne. J. & E. Atkinson Limited. 516,282, Oct. 11; Serial No. 558,443, published July 5, 1949.
Estrogen, Synthetic. Reed & Carnrick. 434,974, Dec. 9, 1947. Republished Oct. 11.

Face powder and rouge. Dearborn Supply Company. 514,162, Oct. 11; Serial No. 532,490, published May 17, 1949.
Gas, Compressed industrial. National Cylinder Gas Company. 516,283, Oct. 11; Serial No. 558,503, published July 5, 1949.
Glycerophosphates compound and vitamin B-complex. Wyeth Incorporated. 516,235, Oct. 11; Serial No. 551,154, published July 12, 1949.
Hydrocarbon polymers, Synthetic liquid, mixtures of polybutene polymers and hydrocarbon waxes, wetting and foaming agents. Advance Solvents & Chemical Corporation. 443,437, Oct. 11; Serial No. 517,684, published June 21, 1949.
Insect repellent. Sayman Products Company. 516,281, Oct. 11; Serial No. 557,965, published July 12, 1949.
Insecticides, disinfectants, and germicides, etc. Standard Oil Company of California. 287,899, renewed June 18, 1949. O. G. Oct. 11.
Insecticides, insect sprays, and cattle sprays. Fleet-Wing Corporation. 319,653, Dec. 4, 1934. Republished Oct. 11.
Liniment. A. T. Simpson. 516,312, Oct. 11; Serial No. 562,503, published July 5, 1949.
Liniment lotion. J. E. Froom. 516,236, Oct. 11; Serial No. 551,555, published Nov. 9, 1948.
Lotions and unguents for the hair, Perfumed. N. A. Jamet. 516,278, Oct. 11; Serial No. 557,298, published July 5, 1949.
Medicinal oil. National Remedy Company, Inc. 516,208, Oct. 11; Serial No. 545,873, published May 17, 1949.
Medicinal preparaties, Polyvitamin. Endo Products Inc. 516,294, Oct. 11; Serial No. 561,104, published July 12, 1949.
Medicinal preparations. The Norwich Pharmacal Company. 264,505, renewed Nov. 26, 1949. O. G. Oct. 11.
Mineral oil. Stanco Incorporated. 258,550, renewed July 9, 1949. O. G. Oct. 11.
Ointment. Nutrition Research Laboratories. 516,284, Oct. 11; Serial No. 558,582, published June 28, 1949.
Ointment. Paris Medicine Co. 258,555, renewed July 9, 1949. O. G. Oct. 11.
Ointment, Medicinal. R. A. Bachmann. 273,348, July 8, 1930. Republished Oct. 11.
Ointments. Allen & Hanburys, Limited. 516,313, Oct. 11; Serial No. 563,650, published July 12, 1949.
Paradichlorobenzene, calcium chloride compound, chemicals, etc. Faesy & Besthoff, Inc. 516,238, Oct. 11; Serial No. 551,628, published July 5, 1949.
Parasiticides, Plant and horticultural, insecticides, sprays, etc. California Spray-Chemical Corporation. 441,412, Nov. 23, 1948. Amended. O. G. Oct. 11.
Penicillin compound. Bristol Laboratories Inc. 516,286, Oct. 11; Serial No. 559,000, published July 12, 1949.
Perfume, toilet water, face powder, etc. Pinaud Incorporated. 265,085, renewed Dec. 17, 1949. O. G. Oct. 11.
Perfume, toilet water, face powder, etc. Pinaud Incorporated. 265,087, renewed Dec. 17, 1949. O. G. Oct. 11.
Perfumes and toilet waters. M. R. Bocher. 516,185, Oct. 11; Serial No. 539,630, published May 17, 1949.
Perfumes, toilet water, sachet powder, etc. Bombi, Inc. 516,224, Oct. 11; Serial No. 549,498, published July 5, 1949.
Perfumes, toilet waters, face lotions, etc. Lubin Perfumery Corporation. 264,101, renewed Nov. 19, 1949. O. G. Oct. 11.
Perfumes, toilet waters, rouge, lipstick, and face creams. Parfumerie Lubin Société Anonyme. 443,435, Oct. 11; Serial No. 517,427, published July 5, 1949.
Perfumes, toothpaste. J. Brach & Cie. Societe D'Exploitation Des Produits Botot. 443,494, Oct. 11; Serial No. 515,816, published June 21, 1949.
Pharmaceutical product. Schenley Laboratories, Inc. 516,303, Oct. 11; Serial No. 562,669, published July 5, 1949.
Polish, Nail, face, hand, body and hair lotions. Societe Anonyme Renaud Paris 1817. 516,146, Oct. 11; Serial No. 523,807, published June 28, 1949.
Powder, Medicinal. M. E. Fesler. 408,800, Oct. 19, 1943. Republished Oct. 11.
Preparation for oral hygiene. M. E. Fesler. 406,605, Apr. 11, 1944. Republished Oct. 11.
Preparation for the treatment of rheumatism. Gabail, Limited. 516,168, Oct. 11; Serial No. 535,023, published July 5, 1949.
Preparation used for the treatment of coughs, colds, and inflammation in the upper respiratory tract. G. W. Carnrick Co. 516,318, Oct. 11; Serial No. 565,233, published July 5, 1949.
Rat-icides, insecticides and fungicides. D. M. Lenger. 516,299, Oct. 11; Serial No. 561,869, published July 5, 1949.
Repellents. Apothecaries Hall Company. 265,074, renewed Dec. 17, 1949. O. G. Oct. 11.
Rouge and lipstick. R. Hudnut. 516,322, Oct. 11; Serial No. 567,865, published July 12, 1949.
Shampoo. Nopco Chemical Company. 516,138, Oct. 11; Serial No. 511,200, published June 21, 1949.
Shave lotion, After, and talc powder. Colgate-Palmolive-Peet Company. 516,287, Oct. 11; Serial No. 551,609, published May 17, 1949.
Sulfur, Colloidal, and colloidal sulfur preparations. Hayden Chemical Corporation. 443,432, Oct. 11; Serial No. 519,271, published July 5, 1949.
Toilet or nursery powder. Johnson & Johnson. 74,697, June 15, 1909. Republished Oct. 11.
Tonic preparation. Perfumeria Gal, S. A. 516,260, Oct. 11; Serial No. 557,774, published July 12, 1949.
Vitamin preparation. Vitamins, Inc. 516,186, Oct. 11; Serial No. 540,946, published Nov. 23, 1948.
Wafers impregnated with volatile breath-sweetening agents, Inedible refill. Sigma Products Corporation. 516,240, Oct. 11; Serial No. 552,090, published July 5, 1949.

CLASS 8

Humidors, ash receivers and trays, cigar cases, etc. The Buckley, Newhall Company. 228,865–6, June 14, 1927. Republished Oct. 11.

CLASS 9

Matches. Jonkopings Och Vulcans Tandsticks-fabriksaktieholag. 74,733, re-renewed Aug. 3, 1949. O. G. Oct. 11.

CLASS 11

Carbon paper, typewriter ribbons and adding machine ribbons. Rochester Ribbon & Carbon Co., Inc. 516,183, Oct. 11; Serial No. 528,645, published June 29, 1948.
Inks, Printing. Western Newspaper Union. 516,268, Oct. 11; Serial No. 555,715, published Dec. 21, 1948.

CLASS 12

Asbestos fabricated material. The Garland Company. 257,053, renewed May 28, 1949. O. G. Oct. 11.
Bituminous material, and similar building material. The Flintkote Company. 261,830, Sept. 24, 1929. Republished Oct. 11.
Coating, Refractory. Brickseal Refractory Co. 516,182, Oct. 11; Serial No. 541,504, published May 17, 1949.
Hangars, Airplane. Enjay Construction Company. 443,436, Oct. 11; Serial No. 517,465, published May 17, 1949.
Lime. The Ohio Hydrate & Supply Company. 264,646, renewed Dec. 3, 1949. O. G. Oct. 11.
Lumber, Air dried red aromatic cedar. American Lumber Products. 516,191, Oct. 11; Serial No. 541,907, published May 17, 1949.
Lumber product. Cheney Lumber Company, Inc. 516,159, Oct. 11; Serial No. 530,807, published June 28, 1949.
Roofing, Prepared. The Flintkote Company. 261,706, Sept. 24, 1929. Republished Oct. 11.
Structural steel elements and prefabricated steel structures. The Delaney Co. 516,181, Oct. 11; Serial No. 538,728, published May 17, 1949.
Tiles, Pigmented composition. Congoleum-Nairn, Inc. 516,205, Oct. 11; Serial No. 545,340, published May 17, 1949.
Waterproofing material, Bituminous, bituminous coating material for pipes, bituminous road filler, etc. Benjamin Foster Company. 258,925, July 16, 1929. Republished Oct. 11.
Woodwork, Fabricated. Carr, Adams & Collier Company. 516,207, Oct. 11; Serial No. 545,577, published May 31, 1949.

CLASS 13

Bath tubs, Iron, porcelain, or enameled. Best & Co. Inc. 439,391, June 22, 1948. Republished Oct. 11.

CLASS 14

Castings, Iron. Kay-Brunner Steel Products, Inc. 305,296, Aug. 15, 1933. Republished Oct. 11.
Castings, Steel. Kay-Brunner Steel Casting Co. 222,026, Dec. 21, 1926. Republished Oct. 11.

CLASS 15

Oils and compounds, Transformer. The Standard Oil Company. 263,225, renewed Nov. 5, 1949. O. G. Oct. 11.
Oils, Gasoline and lubricating. Spears & Riddle Co. 175,967, Nov. 13, 1923. Republished Oct. 11.
Oils, Gasoline, lubricating, and lubricating greases. Fleet-Wing Corporation. 319,772, Dec. 4, 1934. Republished Oct. 11.
Oils, Motor fuel, lubricating oils, and lubricating greases. A. R. Himmelrich. 236,677, Dec. 20, 1927. Republished Oct. 11.
Sealer, Liquid floor. Allied Home Products Corporation. 516,135, Oct. 11; Serial No. 479,773, published July 5, 1949.

CLASS 16

Paint. Patek Brothers, Inc. 516,173, Oct. 11; Serial No. 536,432, published Oct. 19, 1948.
Paint, Ready mixed, varnishes and paint enamels. Armstrong Paint & Varnish Works. 516,179, Oct. 11; Serial No. 558,060, published June 28, 1949.
Paints, Ready-mixed, cold water paints, floor sealers, furniture polish, etc. Oakes & Company. 443,446, Oct. 11; Serial No. 526,386, published Jan. 18, 1949.
Paints, Ready mixed, paste paints, paint enamels, etc. Atlantic Varnish and Paint Company, Incorporated. 516,148, Oct. 11; Serial No. 526,735, published Oct. 26, 1948.

Pigment material for paints and varnishes. Interchemical Corporation. 516,171, Oct. 11; Serial No. 494,102, published June 28, 1949.

Solvent for preserving food containing used paint and varnish brushes, Liquid. M & H Laboratories. 516,147, Oct. 11; Serial No. 538,613, published June 28, 1949.

CLASS 17

Tobacco products. Walgreen Co. 257,944, renewed June 24, 1949. O. G. Oct. 11.

CLASS 19

Baby-carriages and go-carts. The Buckley, Newhall Company. 108,207–8, Oct. 19, 1915. Republished Oct. 11.

Chariots, go-carts, strollers, etc. Best & Co. Inc. 231,606, Aug. 29, 1927. Republished Oct. 11.

Trucks, Motor-dumping. The Hughes-Keenan Company. 240,764, renewed Aug. 27, 1949. O. G. Oct. 11.

CLASS 20

Linoleums and oil-cloth. The Buckley, Newhall Company. 114,621–2, Dec. 26, 1916. Republished Oct. 11.

CLASS 21

Apparatus, Electrical. R. V. Staaf. 516,217, Oct. 11; Serial No. 548,543, published June 28, 1949.

Capacitors. John E. Fast & Co. 516,269–70, Oct. 11; Serial Nos. 556,003–4, published June 28, 1949.

Combination units consisting of a small electric grill or stove. Wyndale Manufacturing Corporation. 516,333, Oct. 11; Serial No. 540,346.

Condensers, Electrolytic. Cornell-Dubilier Electric Corporation. 376,406, Mar. 26, 1940. Republished Oct. 11.

Dishwashing machines, Electric. Thor Corporation. 516,142, Oct. 11; Serial No. 515,869, published June 28, 1949.

Fans, Electric. Westinghouse Electric Corporation. 516,245, Oct. 11; Serial No. 552,900, published July 5, 1949.

Fans, Electric. Westinghouse Electric Corporation. 516,247, Oct. 11; Serial No. 553,229, published July 12, 1949.

Flashlights, crystal pickup units for electrical phonographs, lightning arresters for radio apparatus. Radio Corporation of America. 516,231, Oct. 11; Serial No. 550,346, published July 5, 1949.

Grilles for radio and television sets. Croname, Incorporated. 516,218, Oct. 11; Serial No. 548,716, published July 12, 1949.

Harps, Trolley, sliders and wheel bushings, trolley wire and cable splicers, etc. Duquesne Mine Supply Company. 516,239, Oct. 11; Serial No. 551,779, published July 5, 1949.

Horns, Electric. E. A. Laboratories, Inc. 516,187, Oct. 11; Serial No. 541,112, published June 28, 1949.

Housings or parts, Molded plastic electrical. The Lionel Corporation. 443,429, Oct. 11; Serial No. 485,730, published July 12, 1949.

Lamps, Electric floor, table, bridge and boudoir, electric lighting fixtures, etc. Lake Specialty Co. 516,136, Oct. 11; Serial No. 495,891, published July 12, 1949.

Lamps, Electrically operated, and lighting fixtures and component parts thereof. Royalton Lamp & China Corporation. 516,211, Oct. 11; Serial No. 546,616, published July 12, 1949.

Lighting fixtures, Electric. Kent-Moore Organization Inc. 516,246, Oct. 11; Serial No. 552,989, published July 12, 1949.

Locomotives, Electric. Mancha Storage Battery Locomotive Company. 261,845, renewed Sept. 24, 1949. O. G. Oct. 11.

Masts and antennas, Radio and television. Lyte Parts Company. 516,257, Oct. 11; Serial No. 554,237, published July 12, 1949.

Mechanism for opening and closing garage doors, Electrically operated. Federal Industries, Inc. 516,252, Oct. 11; Serial No. 553,837, published July 5, 1949.

Metallic shredder. K. T. Vangsness. 516,233, Oct. 11; Serial No. 550,973, published July 12, 1949.

Motors, Electric, and electric motor-actuator units. Electrical Engineering and Manufacturing Corporation. 516,175, Oct. 11; Serial No. 536,822, published July 5, 1949.

Popcorn poppers, Electrical. Bechemeyer and Schmidt. 516,195, Oct. 11; Serial No. 530,614, published July 5, 1949.

Pots and percolators, Electric coffee and tea, electric dishwashing machines, etc. The Buckley, Newhall Company. 233,578, Oct. 4, 1927. Republished Oct. 11.

Pots and percolators, Electric coffee and tea, electric dishwashing machines, etc. The Buckley, Newhall Company. 241,979, May 8, 1928. Republished Oct. 11.

Receiving apparatus, Television. North American Philips Company, Inc. 516,232, Oct. 11; Serial No. 550,545, published July 12, 1949.

Receiving sets and parts thereof, Television. The Magnavox Company. 516,254, Oct. 11; Serial No. 554,137, published July 12, 1949.

Receiving sets, Radio. Stewart-Warner Corporation. 516,188, Oct. 11; Serial No. 543,067, published June 28, 1949.

Receiving sets, Radio, and radio tubes. I. M. Jacobson. 516,189, Oct. 11; Serial No. 543,297, published July 12, 1949.

Receiving sets, Radio and television. Stromberg-Carlson Company. 516,248, Oct. 11; Serial No. 553,421, published July 12, 1949.

Regulators, Voltage. Sorensen and Company, Inc. 516,190, Oct. 11; Serial No. 541,713, published June 28, 1949.

Resistors, Electrical. Continental Carbon, Inc. 516,253, Oct. 11; Serial No. 554,010, published July 12, 1949.

Soldering irons, Electrically heated. E. H. Greibach. 516,250, Oct. 11; Serial No. 553,612, published July 12, 1949.

Solenoids, mechanisms incorporating solenoids. McQuay-Norris Manufacturing Co. 516,276, Oct. 11; Serial No. 556,643, published June 28, 1949.

Sound recording, amplifying and reproducing machines, Electrical. Precision Audio Products Inc. 516,229, Oct. 11; Serial No. 550,070, published July 5, 1949.

Space heaters, Electrical; electrical combination fan and space heaters; electric fans, etc. Heating & Air Conditioning Supply, Inc. 516,194, Oct. 11; Serial No. 542,313, published June 28, 1949.

Storage batteries and their parts. The Electric Storage Battery Company. 516,249, Oct. 11; Serial No. 553,580, published July 12, 1949.

Stoves, Electric, and electric lamps. The Buckley, Newhall Company. 106,938–9, Nov. 9, 1915. Republished Oct. 11.

Suction cleaners, Electrical, and parts therefor. The Hoover Company. 516,149, Oct. 11; Serial No. 527,240, published July 12, 1949.

Switchboards; electrical panel boards; switches, etc., Electrical. Delta-Star Electric Company. 516,163, Oct. 11; Serial No. 533,282, published July 12, 1949.

Switches, Starter, for fluorescent lamps. Dura Electric Lamp Co., Inc. 516,264, Oct. 11; Serial No. 555,488, published June 28, 1949.

Tape, Friction. Boston Woven Hose & Rubber Company. 516,241, Oct. 11; Serial No. 552,114, published July 12, 1949.

Terminal panels, Hermetically sealed. Fusite Corporation. 443,444, Oct. 11; Serial No. 523,202, published June 28, 1949.

Timers, Panels of electronic and/or electro-mechanical sequence, circuits therefor and relays and condensers, etc. General Control Company. 443,433, Oct. 11; Serial No. 511,462, published June 28, 1949.

Unitary mechanical and electromechanical selector mechanisms. Collins Radio Company. 516,155, Oct. 11; Serial No. 530,173, published June 28, 1949.

Vacuum cleaners, Electrically operated. Spiegel, Inc. 516,244, Oct. 11; Serial No. 552,887, published July 12, 1949.

Vacuum cleaners, Electrically operated industrial. American Plan, Inc. 516,235, Oct. 11; Serial No. 551,791.

Welding machines, Electric arc, and spot welding machines. R. H. Lent. 516,164, Oct. 11; Serial No. 533,752, published June 28, 1949.

Welding machines, Electrical arc, welding units and parts thereof, etc. National Cylinder Gas Company. 516,206, Oct. 11; Serial No. 546,513, published June 28, 1949.

Wire and cable, Electrical. John A. Roebling's Sons Company. 516,210, Oct. 11; Serial No. 546,613, published July 12, 1949.

Wire for electrical use, Insulated and uninsulated. Cornish Wire Company Incorporated. 516,230, Oct. 11; Serial No. 550,312, published July 12, 1949.

CLASS 22

Athletic equipment. Sport Products Inc. 442,001, Feb. 8, 1949. Republished Oct. 11.

Fishhooks. The Enterprise Manufacturing Company. 260,921, renewed Sept. 3, 1949. O. G. Oct. 11.

Spoons for artificial fish bait. The Enterprise Manufacturing Company. 260,833, renewed Aug. 27, 1949. O. G. Oct. 11.

CLASS 23

Bearings, Driving box; rod brasses and bushings; crosshead shoes; etc. American Brake Shoe Company. 427,449, Feb. 11, 1947. Republished Oct. 11.

Hay knives, grass hooks, and bush hooks. North Wayne Tool Company. 263,079, renewed Oct. 29, 1949. O. G. Oct. 11.

Saws. Simonds Saw and Steel Company. 264,872, renewed Dec. 10, 1949. O. G. Oct. 11.

Sewing machines, vacuum-cleaners, and carpet-sweepers. The Buckley, Newhall Company. 106,205–6, Oct. 19, 1915. Republished Oct. 11.

CLASS 24

Clothes-wringers and washing-machines. The Buckley, Newhall Company. 107,488, Dec. 7, 1915. Republished Oct. 11.

Clothes-wringers and washing-machines. The Buckley, Newhall Company. 108,685, Feb. 22, 1916. Republished Oct. 11.

CLASS 26

Adding machines. Clary Multiplier Corporation. 516,302, Oct. 11; Serial No. 562,540, published June 14, 1949.

Apparatus for analysing flue gases, etc., Portable. Burrell Technical Supply Company. 516,170, Oct. 11; Serial No. 535,792, published June 14, 1949.

Cameras and projectors, and parts thereof. Coutant & Mathot. 516,242, Oct. 11; Serial No. 552,750, published June 14, 1949.

Eyeglass and spectacle frames and parts therefor. The Kono Manufacturing Company. 516,332, Oct. 11; Serial No. 522,532.

Gauges, Dial micrometer, dial micrometer indicators, dial comparators, etc. B. C. Ames Co. 516,141, Oct. 11; Serial No. 515,247, published June 14, 1949.

Measuring instruments, Electrical. Associated Research, Incorporated. 437,984, Apr. 6, 1948. Corrected. O. G. Oct. 11.

Printing papers, fabrics, and the like used in making reproductions by printing from negatives or tracings, Light-sensitive. Eugene Dietzgen Co. 264,818, renewed Nov. 26, 1949. O. G. Oct. 11.

Scales, Bath room. Abraham & Straus, Inc. 516,301, Oct. 11; Serial No. 562,429, published June 14, 1949.

Scales, Weighing. Best & Co. Inc. 439,581, July 6, 1948. Republished Oct. 11.

Sun glasses. Bausch & Lomb Optical Company. 516,292–3, Oct. 11; Serial Nos. 560,962–3, published June 14, 1949.

Tachometers. Barbour Stockwell Company. 263,206, renewed Nov. 5, 1949. O. G. Oct. 11.

CLASS 27

Watch cases. Bulova Watch Company, Inc. 516,203, Oct. 11; Serial No. 544,540, published June 21, 1949.

Watch cases. The Wadsworth Watch Case Company. 516,153, Oct. 11; Serial No. 528,966, published June 21, 1949.

Watches. A. A. Friedman. 516,275, Oct. 11; Serial No. 556,627, published June 21, 1949.

Watches, watch cases, and watch movements. The Gruen Watch Company. 516,295, Oct. 11; Serial No. 561,624, published June 21, 1949.

Watches, watch cases, and watch movements, and parts thereof. Kelbert Watch Company. 516,274, Oct. 11; Serial No. 556,454, published June 21, 1949.

CLASS 28

Buckles, Belt, key chains, collar bars, etc. Hickok Manufacturing Co. Inc. 516,223, Oct. 11; Serial No. 549,250, published June 21, 1949.

Flatware and table cutlery, Sterling silver. Gorham Manufacturing Company. 516,291, Oct. 11; Serial No. 560,397, published June 21, 1949.

Flatware and table cutlery, Sterling silver. Gorham Manufacturing Company. 516,315, Oct. 11; Serial No. 564,447, published July 5, 1949.

Flatware, hollo-tableware, table cutlery, Sterling silver. Gorham Manufacturing Company. 516,289, Oct. 11; Serial No. 560,263, published June 21, 1949.

Flat-ware, Silver-plated. The International Silver Company. 516,160, Oct. 11; Serial No. 530,936, published June 28, 1949.

Flatware, Sterling silver, and sterling silver and silver-plated hollow ware. The Ellmore Silver Company, Inc. 516,285, Oct. 11; Serial No. 558,705, published June 21, 1949.

Holders, Necktie, collar fasteners, belt buckles, etc. Hickok Manufacturing Co. Inc. 516,221, Oct. 11; Serial No. 549,247, published June 21, 1949.

Hollow and flat silverware. The Fisher Silversmiths, Inc. 516,204, Oct. 11; Serial No. 544,718, published June 21, 1949.

Hollow-ware, Sterling silver and silver plated. The Whistling Oyster. 516,316, Oct. 11; Serial No. 564,493, published July 5, 1949.

Insignia, Military, military badges, military lapel buttons, etc. The American Metal Crafts Company. 516,184, Oct. 11; Serial No. 539,615, published July 5, 1949.

Jewelry, Barker & Barker, Inc. 516,215, Oct. 11; Serial No. 547,693, published June 21, 1949.

Jewelry, Marcel Boucher et Cie. 516,172, Oct. 11; Serial No. 536,113, published June 21, 1949.

Jewelry, T. G. Brogan. 516,279, Oct. 11; Serial No. 557,339, published July 5, 1949.

Jewelry, Hickok Manufacturing Co. Inc. 516,222, Oct. 11; Serial No. 549,248, published June 21, 1949.

Jewelry, buttons, religious medals, etc. Harvey & Otis, Incorporated. 516,300, Oct. 11; Serial No. 562,186, published July 5, 1949.

Jewelry, Costume. Lilly Dache Inc. 516,260, Oct. 11; Serial No. 555,253, published June 21, 1949.

Jewelry, emblems, badges, etc. L. G. Balfour Company. 516,188, Oct. 11; Serial No. 541,493, published June 21, 1949.

Jewelry, Gold and silver. S. B. H. Engelbert. 516,297, Oct. 11; Serial No. 561,738, published July 5, 1949.

Jewelry, Items of men's. The Baer & Wilde Company. 259,457, renewed July 30, 1949. O. G. Oct. 11.

Jewelry, Ladies' costume. Progress Jewelry Mfg. Co. 516,296, Oct. 11; Serial No. 561,640, published June 21, 1949.

Jewelry, Pearl. The Sea Gem Company, Inc. 516,309, Oct. 11; Serial No. 563,369, published July 5, 1949.

Necklaces and earrings, Pearl. Valjean Pearl Corp. 516,290, Oct. 11; Serial No. 560,368, published June 21, 1949.

Necklaces, bracelets, earrings, etc. Coro, Inc. 516,216, Oct. 11; Serial No. 548,333, published June 21, 1949.

Necklaces, bracelets, earrings, etc. Coro, Inc. 516,227, Oct. 11; Serial No. 549,716, published July 5, 1949.

Necklaces, Pearl, pearl bracelets, pearl earrings, etc. Coro, Inc. 516,304–6, Oct. 11; Serial Nos. 563,315–17, published June 21, 1949.

Necklaces, Pearl, pearl bracelets, pearl earrings, etc. Coro, Inc. 516,307–8, Oct. 11; Serial Nos. 563,319–20, published June 21, 1949.

Necklaces, Pearl, pearl bracelets, pearl earrings, etc. Coro, Inc. 516,310–11, Oct. 11; Serial Nos. 563,397–8, published June 21, 1949.

Pin, Perfume. Jacqueline Cochran, Inc. 516,317, Oct. 11; Serial No. 565,174, published July 5, 1949.

Rings, Diamond, ring mountings, and wedding rings. A. C. Becken Co. 516,137, Oct. 11; Serial No. 510,878, published June 21, 1949.

Rings, Finger. Koven Bros. 516,288, Oct. 11; Serial No. 560,025, published June 28, 1949.

Rings, Finger. S. Lasarus & Sons, Inc. 516,156, Oct. 11; Serial No. 530,322, published June 28, 1949.

Rings, Finger. The Samean Company. 516,212, Oct. 11; Serial No. 546,619, published June 21, 1949.

Rings, Finger, lockets, bracelets, etc. Granat Bros., Inc. 516,195, Oct. 11; Serial No. 542,924, published June 21, 1949.

Silverplated ware. Gorham Manufacturing Company. 516,298, Oct. 11; Serial No. 561,744, published June 21, 1949.

Silverware. Reed & Barton. 516,255–6, Oct. 11; Serial Nos. 554,159–60, published June 21, 1949.

Wrist bands, bracelets, and chains for watches, etc. Bulova Watch Company, Inc. 516,166, Oct. 11; Serial No. 534,086, published June 21, 1949.

CLASS 29

Applicators or short-handled cleaning mop. Skasol Corporation. 516,219, Oct. 11; Serial No. 549,092, published June 21, 1949.

Brooms. The Morey Mercantile Company. 516,224–5, Oct. 11; Serial Nos. 549,392–3, published June 28, 1949.

Brooms. Safeway Stores, Incorporated. 516,277, Oct. 11; Serial No. 557,073, published June 28, 1949.

Brushes, Fountain. Marsh Stencil Machine Company. 516,192, Oct. 11; Serial No. 542,219, published July 5, 1949.

Mop, Hand, wax hand mop. West Disinfecting Company. 516,258, Oct. 11; Serial No. 554,453, published June 21, 1949.

Toothbrushes. Johnson & Johnson. 258,849, renewed July 16, 1949. O. G. Oct. 11.

Toothbrushes, hair brushes, nail brushes, and shaving brushes. Halex Limited. 516,319, Oct. 11; Serial No. 566,276, published June 28, 1949.

Toothbrushes, hair brushes, nail brushes, and shaving brushes. Halex Limited. 516,320, Oct. 11; Serial No. 566,288, published June 21, 1949.

CLASS 31

Refrigerators. The Buckley, Newhall Company. 106,211–12, Oct. 19, 1915. Republished Oct. 11.

CLASS 32

Bedsteads, mattresses, and pillows. Bernstein Manufacturing Company. 126,991, Oct. 21, 1919. Republished Oct. 11.

Chairs, Household and office, household and office tables, etc. The Buckley, Newhall Company. 107,487, Dec. 7, 1915. Republished Oct. 11.

Chairs, tables, desks, book-cases, etc. The Buckley, Newhall Company. 81,671, May 2, 1911. Republished Oct. 11.

Fireplaces, Portable. The Buckley, Newhall Company. 351,846–7, Nov. 9, 1937. Republished Oct. 11.

Furniture, Household and office. The Buckley, Newhall Company. 235,854, Nov. 29, 1927. Republished Oct. 11.

Furniture, Nursery. Best & Co. Inc. 212,790, May 11, 1926. Republished Oct. 11.

Mattresses. The May Department Stores Company. 260,967, Sept. 3, 1929. Republished Oct. 11.

Mirrors, pillows, bassinettes, mattresses, costumers, articles of furniture. Best & Co. Inc. 231,952, Aug. 30, 1927. Republished Oct. 11.

CLASS 33

Bottles, Glass, and glass tumblers. Thatcher Glass Manufacturing Company, Inc. 516,171, Oct. 11; Serial No. 535,897, published June 21, 1949.

Lantern and lamp globes and chimneys, Glass. Corning Glass Works. 258,583, renewed July 9, 1949. O. G. Oct. 11.

Tumblers, Glass. The Federal Glass Company. 516,150, Oct. 11; Serial No. 527,951, published June 14, 1949.

CLASS 34

Gas-lamps, vapor-lamps, and oil-lamps. The Buckley, Newhall Company. 106,937, Nov. 9, 1915. Republished Oct. 11.

Gas-lamps, vapor-lamps, and oil-lamps. The Buckley, Newhall Company. 108,684, Feb. 22, 1916. Republished Oct. 11.

Lamps, Gas, vapor, and oil; heating-radiator covers for ornament. The Buckley, Newhall Company. 234,501–2, Nov. 1, 1927. Republished Oct. 11.

CLASS 36

Machines, Talking, talking machine horns. James Bellak's Sons. 70,459, Sept. 1, 1906. Republished Oct. 11.
Musical instrument cases, guitar neck cords, phonograph record albums. H. & A. Selmer, Incorporated. 516,197, Oct. 11; Serial No. 543,236, published July 5, 1949.
Musical wind instruments, Accessories for. Humes & Berg Mfg. Co., Inc. 516,161, Oct. 11; Serial No. 531,476, published May 31, 1949.
Records, Mechanically grooved phonograph. Loew's Incorporated. 516,143-4, Oct. 11; Serial Nos. 515,885-6, published June 8, 1949.

CLASS 37

Gummed paper sheets, gummed paper tape, gummed cloth sheets, etc. The Gummed Products Company. 260,032, renewed Aug. 12, 1949. O. G. Oct. 11.
Paper-box board in the piece. National Metal Edge Box Company. 257,970, renewed June 25, 1949. O. G. Oct. 11.
Paper napkins, Decorated or ornamental crape. Japanese Tissue Mills. 74,178, re-renewed June 22, 1949. O. G. Oct. 11.

CLASS 38

Publication. The A. N. Marquis Company. 508,802, Apr. 19, 1949. Corrected. O. G. Oct. 11.
Title of a periodical. The Outdoor Life Publishing Company. 258,863, renewed July 16, 1949. O. G. Oct. 11.

CLASS 39

Bands, Infants', shirts, diaper-drawers, etc. Best & Company. 102,704, Feb. 23, 1915. Republished Oct. 11.
Boots and shoes, Leather. A. A. Williams. 73,503, renewed Apr. 27, 1949. O. G. Oct. 11.
Coats, suits, sweaters, etc., Misses', junior misses', and children's. Best & Co. Inc. 379,400, July 9, 1940. Republished Oct. 11.
Coats, Waterproofed, for men, waterproofed coats for women. The Buckley, Newhall Company. 115,065, Jan. 23, 1917. Republished Oct. 11.
Coats, Waterproofed, for men, waterproofed coats for women, hats, etc. The Buckley, Newhall Company. 115,664, Jan. 23, 1917. Republished Oct. 11.
Corsets, girdles, and brassières. The Berger Brothers Company. 264,534, renewed Nov. 26, 1949. O. G. Oct. 11.
Dresses, Children's and misses'. H. Linsk. 246,187, renewed Sept. 4, 1948. O. G. Oct. 11.
Dresses, sunsuits, bathrobes, etc. Best & Co. Inc. 373,560, Dec. 12, 1939. Republished Oct. 11.
Furnishings, Misses' and girls', undergarments and clothing. Best & Co. Inc. 194,306, Jan. 20, 1925. Republished Oct. 11.
Guards, Finger. Olympic Glove Company. 422,763, Aug. 13, 1946. Republished Oct. 11.
Hats and caps, Men's. Harris-Polk Hat Company. 256,101-2, renewed May 7, 1949. O. G. Oct. 11.
Hats, caps, shoes, etc., Men's, women's, and children's. Best & Co. Inc. 287,272, Sept. 15, 1931. Republished Oct. 11.
Hats; shoes; slippers; etc., Men's, women's, misses', and children's. Best & Co. Inc. 212,791, May 11, 1926. Republished Oct. 11.
Hats; shoes; slippers; puttees; etc., Misses' and children's. Best & Co. Inc. 204,847, Oct. 27, 1925. Republished Oct. 11.
Hosiery. Virginia Maid Hosiery Mills, Inc. 263,377, renewed Nov. 5, 1949. O. G. Oct. 11.
Rompers, blouses, pajamas, etc. Regent Company, Inc. 263,317, renewed Nov. 5, 1949. O. G. Oct. 11.
Sheets, Cotton and flax, cotton and flax pillowcases, cotton and flax diapers, etc. Ware Shoals Manufacturing Company. 260,615, Aug. 27, 1929. Republished Oct. 11.
Shirts, Work, work pants, overalls, etc. Washington Manufacturing Company. 442,607, May 3, 1949. Republished Oct. 11.
Shoes. The Athletic Shoe Company. 419,151, Feb. 5, 1946. Republished Oct. 11.
Shoes, Ladies', misses' and children's. H. Childs & Co. Inc. 262,933, renewed Oct. 29, 1949. O. G. Oct. 11.

CLASS 41

Umbrellas. Best & Co. Inc. 433,938, Nov. 4, 1947. Republished Oct. 11.

CLASS 42

Piece goods, coverlets or bedspreads, bed hangings, etc. Morton Sundour Fabrics Limited. 416,664, Jan. 8, 1946. Republished Oct. 11.
Piece goods, Silk and cotton. National Bellas Hess Co. Inc. 264,156, renewed Nov. 19, 1949. O. G. Oct. 11.
Rugs, Textile, textile carpets, lace curtains, etc. The Buckley-Newhall Company. 114,623-4, Dec. 26, 1916. Republished Oct. 11.
Sheets, Bed, pillow cases, towels, etc. The Buckley-Newhall Company. 259,602, Aug. 23, 1938. Republished Oct. 11.
Sheets, Cotton and flax, cotton and flax pillowcases, cotton and flax diapers, etc. Ware Shoals Manufacturing Company. 260,615, Aug. 27, 1929. Republished Oct. 11.
Table damask, tablecloths, and toweling. National Bellas Hess Co. Inc. 263,098, renewed Oct. 29, 1949. O. G. Oct. 11.
Webbing, Elastic. Bally's Shoe Factories Ltd. 442,292, Apr. 5, 1949. Republished Oct. 11.

CLASS 43

Silk in the nature of thread and cellulose-acetate and viscose-rayon yarn, Artificial. American Chatillon Corporation. 264,124, renewed Nov. 19, 1949. O. G. Oct. 11.
Thread and yarn, Artificial silk. American Chatillon Corporation. 263,065, renewed Oct. 29, 1949. O. G. Oct. 11.
Threads. R. J. Ederer Thread Co. 255,701, renewed Apr. 30, 1949. O. G. Oct. 11.

CLASS 44

Atomizers. T. J. Holmes Co., Inc. 516,251, Oct. 11; Serial No. 553,703, published June 21, 1949.
Devices for sharpening dental and medical instruments. J. H. Revell. 443,448, Oct. 11; Serial No. 523,039.
Forceps, Haemostatic, holders for surgical needles, tissue forceps, etc. Master Surgical Instrument Corp. 516,265, Oct. 11; Serial No. 555,550, published May 24, 1949.
Mirrors, Front surface. Bache, Semon, & Company. 516,213, Oct. 11; Serial No. 547,386, published June 21, 1949.
Paper sheets, Treated, used in hair waving. The Nestle Le Mur Company. 516,139, Oct. 11; Serial No. 512,339, published June 21, 1949.
Plates, Bite, for making artificial dentures and apparatus for determining proper occlusion for artificial dentures Opotow Dental Manufacturing Corporation. 374,012, Dec. 26, 1939. Republished Oct. 11.
Tampons, rubber gloves for surgical use, and prophylactic rubber articles. Veralin, Inc. 434,918, Dec. 9, 1947. Republished Oct. 11.

CLASS 45

Base for making soft drinks, Orange flavored bottlers. The Dream Company. 516,157, Oct. 11; Serial No. 530,391, published July 12, 1949.
Beverages, Carbonated. The Great Atlantic and Pacific Tea Company. 516,201, Oct. 11; Serial No. 544,263, published July 12, 1949.
Beverages in the nature of soft drinks, Non-alcoholic maltless. Big Top Beverages, Inc. 516,272, Oct. 11; Serial No. 556,242, published July 5, 1949.
Beverages, Maltless soft drink. Stuart Hale Co. 516,259, Oct. 11; Serial No. 555,113, published July 5, 1949.
Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 516,261-3, Oct. 11; Serial Nos. 555,438-40, published July 5, 1949.
Syrups. Lou Gottlieb & Son, Inc. 516,273, Oct. 11; Serial No. 556,258, published July 5, 1949.

CLASS 46

Animal sterols and Vitamin D feeding oils, Compositions of D-activated. E. F. Drew & Co., Inc. 443,432, Oct. 11; Serial No. 508,796, published June 28, 1949.
Bread. Gordon Baking Co. 179,870, Feb. 19, 1924. Republished Oct. 11.
Candy. Deran Confectionery Co., Inc. 516,223, Oct. 11; Serial No. 575,255, published June 28, 1949.
Canned coffee, spaghetti, and macaroni, etc. V. C. Naso. 264,899, renewed Dec. 10, 1949. O. G. Oct. 11.
Canned corn. Morgan Adams Co. Inc. 516,140, Oct. 11; Serial No. 515,009, published June 14, 1949.
Canned dog and cat food. Gibson Packing Company. 516,182, Oct. 11; Serial No. 538,279, published June 28, 1949.
Canned fruits and vegetables. Portland Canning Company, Inc. 516,196, Oct. 11; Serial No. 543,216, published June 14, 1949.
Canned goods, frozen poultry. C. A. Swanson & Sons. 516,151, Oct. 11; Serial No. 527,992, published June 21, 1949.
Cannel salmon. Bristol Bay Packing Company. 516,165, Oct. 11; Serial No. 533,985, published May 24, 1949.
Canned vegetables, canned fruits, tomato catsup, and chili sauce. H. H. Brakeley, Jr. 516,214, Oct. 11; Serial No. 547,422, published June 28, 1949.
Cauliflower, Fresh. John W. Law Co. 443,443, Oct. 11; Serial No. 522,255, published June 28, 1949.
Cheese. The Great Atlantic and Pacific Tea Company. 263,135, renewed Oct. 29, 1949. O. G. Oct. 11.
Cheese. Kraft Foods Company. 516,177, Oct. 11; Serial No. 537,465, published June 28, 1949.
Cheese. Purity Cheese Company. 389,171, July 29, 1941. Republished Oct. 11.
Cheese. C. A. Straubel Company. 273,263, July 29, 1930. Republished Oct. 11.
Chocolates and all kinds of candies. S. D. Gilman. 74,451, re-renewed July 13, 1949. O. G. Oct. 11.
Coconut, Shredded, tapioca dessert, tapioca. Benton-Lee Corporation. 516,234, Oct. 11; Serial No. 545,948.

Coffee. S. Savides. 443,441, Oct. 11; Serial No. 521,212, published June 28, 1949.
Coffee, Green. Steinwender, Stoffregen & Co., Inc. 516,202, Oct. 11; Serial No. 544,474, published June 28, 1949.
Coffee, Roasted. J. A. Folger & Company. 74,946-7, Aug. 24, 1909. Republished Oct. 11.
Cookies. J. S. Ivins' Son, Inc. 516,133, Oct. 11; Serial No. 470,834, published June 28, 1949.
Dairy feeds. Flory Milling Company, Inc. 257,815 renewed June 18, 1949. O. G. Oct. 11.
Dressing, French, maple flavor syrup, barbecue sauce, food flavoring extract, etc. Del-Mar Quality Food Co. 443,440, Oct. 11; Serial No. 520,327, published June 14, 1949.
Fish, Preserved. Aktiebolaget Sveriges Forenade Konservfabriker. 68,531, re-renewed Apr. 14, 1948. O. G. Oct. 11.
Flavoring extracts, fruit flavorings, pickle flavoring, etc. Flavor Corporation of America. 516,145, Oct. 11; Serial No. 521,869, published June 28, 1949.
Flour, Wheat. The Kansas Mill & Elevator Company. 261,264, renewed Sept. 10, 1949. O. G. Oct. 11.
Flour, Wheat. Pillsbury Flour Mills Company. 380,875, Sept. 3, 1940. Republished Oct. 11.
Flour, Wheat. Pillsbury-Washburn Flour Mills Company, Ltd. 45,927, Aug. 29, 1905. Republished Oct. 11.
Flour, Wheat. Van Dusen Harrington Co. 516,174, Oct. 11; Serial No. 536,851, published June 28, 1949.
Flour, Wheat. G. A. Zabriskie. 172,613, Sept. 11, 1923. Republished Oct. 11.
Flour, Wheat, and wheat flour middlings. Pillsbury Flour Mills Company. 103,397, Mar. 30, 1915. Republished Oct. 11.
Food flavoring extracts. van Ameringen-Haebler, Inc. 516,176, Oct. 11; Serial No. 537,375, published May 31, 1949.
Fruit cake. Spaulding Bakeries, Inc. 254,715, renewed Mar. 26, 1949. O. G. Oct. 11.
Fruits, Fresh citrus. A. G. Maddock. 176,964, Dec. 11, 1923. Republished Oct. 11.
Fruits, Fresh citrus. Red Fox Orchards. 264,993, renewed Dec. 10, 1949. O. G. Oct. 11.
Fruits, Fresh citrus, and vegetables. Chase & Company. 516,234, Oct. 11; Serial No. 551,086, published June 21, 1949.
Fusion of casein and lactalbumin in powder form. M. & S. Dairy Specialties. 442,934, June 21, 1949. Republished Oct. 11.
Mixture, Prepared. Pillsbury Flour Mills Company. 396,432, July 14, 1942. Republished Oct. 11.
Mustard, Prepared. Plochman & Harrison. 516,134, Oct. 11; Serial No. 471,984, published June 28, 1949.
Noodles, macaroni, spaghetti, and analogous alimentary pastes. C. F. Mueller Co. 516,167, Oct. 11; Serial No. 534,314, published June 28, 1949.
Pork jowls, Smoked. American Packing & Provision Co. 443,439, Oct. 11; Serial No. 520,081, published June 28, 1949.
Salt. Morton Salt Company. 516,178, Oct. 11; Serial No. 537,813, published June 28, 1949.
Sandwiches. Food City Drive-In. 516,169, Oct. 11; Serial No. 535,160, published June 14, 1949.
Seasonings, Chili-powder. A. M. Hilmer. 516,243, Oct. 11; Serial No. 552,775, published June 28, 1949.
Seed, Bird. W. P. Short. 443,442, Oct. 11; Serial No. 522,059, published June 21, 1949.
Tea. J. A. Folger & Company. 74,819, Aug. 10, 1909. Republished Oct. 11.
Tomato, Concentrated, tomato sauce, peeled tomatoes, etc. I. C. A. Industrie Conserve Alimentari, Soc. An. 443,445, Oct. 11; Serial No. 525,084, published June 21, 1949.
Vanilla concentrate, Imitation. Dr. Alexander Kats and Company. 516,154, Oct. 11; Serial No. 529,656, published June 14, 1949.
Vegetable sterols, Vitamin D-activated. E. F. Drew & Co., Inc. 443,431, Oct. 11; Serial No. 508,795, published June 28, 1949.
Vegetables, Fresh. Sam Goldstine & Son. 516,209, Oct. 11; Serial No. 546,580, published June 28, 1949.
Wheat flour. W. P. Tanner-Gross and Company, Inc. 122,046, June 18, 1918. Republished Oct. 11.
Wheat-flour. W. P. Tanner-Gross & Company, Inc. 124,055, Dec. 31, 1918. Republished Oct. 11.
Wheat-flour. W. P. Tanner-Gross & Company, Inc. 124,479, Feb. 18, 1919. Republished Oct. 11.
Wheat-flour. W. P. Tanner-Gross & Company, Inc. 132,831, June 29, 1920. Republished Oct. 11.
Wheat-flour. W. P. Tanner-Gross & Company, Inc. 133,056, July 6, 1920. Republished Oct. 11.

CLASS 48

Beer. The Leisy Brewing Company. 443,447, Oct. 11; Serial No. 525,613 published July 12, 1949.
Beer. J. A. Willoughby. 516,267, Oct. 11; Serial No. 555,642, published July 5, 1949.
Beer and ale. F. W. Cook Company, Inc. 516,183, Oct. 11; Serial No. 539,499, published July 5, 1949.
Beer and ale. Southern Brewing Company. 516,182, Oct. 11; Serial No. 539,223, published July 12, 1949.

CLASS 50

Mats, Rubber bath. Beh and Company, Incorporated. 516,200, Oct. 11; Serial No. 543,874, published June 14, 1949.

CLASS 55

Brightening the surfaces of aluminum and other metal articles by chemical treatment. Philadelphia Rust-Proof Co. 516,329, Oct. 11; Serial No. 564,582, published July 12, 1949.
Dyeing and chemically processing acetate piece goods. Triangle Finishing Corp. 516,330, Oct. 11; Serial No. 564,666, published May 10, 1949.
Engineering and contracting service, Electrical. Crescent Engineering Company. 516,327, Oct. 11; Serial No. 550,026, published June 28, 1949.
Home-to-home, household goods moving service by motor van. Consolidated Freightways, Inc. 516,324, Oct. 11; Serial No. 538,724, published July 12, 1949.
Life insurance brokerage and instruction in life insurance salesmanship. H. W. Shields. 516,326, Oct. 11; Serial No. 549,468, published July 5, 1949.
Personal loans and installment financing of time payment sales of merchandise and commodities. Postal Finance Company. 505,512, Jan. 4, 1949. Amended. O. G. Oct. 11.
Purchasing service. Paris Airshopping Service, Inc. 516,328, Oct. 11; Serial No. 564,521, published July 12, 1949.
Transportation by motor vehicles of general commodities in interstate commerce. Red Star Express Lines of Auburn, Inc. 516,331, Oct. 11; Serial No. 564,682, published July 12, 1949.
Underwriting of hospitalization and accident insurance. Mutual Hospitalisation Insurance Company. 516,325, Oct. 11; Serial No. 541,017, published July 12, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Deere & Company, assignee: *See*—
Johnson, Theodore W.

Johnson, Theodore W., Des Moines, Iowa, assignor to Deere & Company, Moline, Ill. Quick demountable cultivator. Re. 23,154, Oct. 11.

Warren, Henry E., Ashland, Mass. Repulsion synchronous motor. Re. 23,155, Oct. 11.

LIST OF PLANT PATENTEES

Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Floribunda rose plant. 879, Oct. 11.

Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Polyantha rose plant. 880, Oct. 11.

Geheb, Frank, Arkadelphia, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 878, Oct. 11.

Howard & Smith, assignee: *See*—
Duehrsen, Carl G.

Stark Bro's Nurseries and Orchards Company, assignee: *See*—
Geheb, Frank.

LIST OF DESIGN PATENTEES

Aleks, Vytant P., assignor to National Lock Company, Rockford, Ill. Handle. 155,471, Oct. 11.

American Can Company, assignee: *See*—
Tillmann, Richard O.

American Safety Razor Corporation, assignee: *See*—
De Mesquita, Edwin B.

Baur, John W.: *See*—
Gustafsson, Eric, and Baur.

Bay State Optical Company, assignee: *See*—
Cabana, Napoleon S.

Bec Var, Arthur N., Bridgeport, and R. E. Muns, Fairfield, Conn., assignors to General Electric Company. Electric cube tap. 155,472, Oct. 11.

Begbetti, Peter, San Francisco, Calif. Straw and napkin holder. 155,473, Oct. 11.

Berch, Samuel H., Beverly Hills, assignor, by mesne assignments, to Diced Cream of America Co., Los Angeles, Calif. Dish. 155,474, Oct. 11.

Berndt, Richard F., Plainfield, N. J., assignor, by mesne assignments, to John Oster Manufacturing Company, Racine, Wis. Electric hair drier. 155,475, Oct. 11.

Binks Manufacturing Company, assignee: *See*—
Gustafsson, Eric, and Baur.

Blakely, Sidney B., assignor to National Battery Company, St. Paul, Minn. Battery dust cover. 155,476, Oct. 11.

Bristol Steel & Iron Works, Inc., assignee: *See*—
Ferguson, Robert O.

Brown, Bertram M., Providence, R. I., assignor to Rosbro Plastics Corporation. Toy figure. 155,477, Oct. 11.

Burell, Arnold, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,478, Oct. 11.

Cabana, Napoleon S., assignor to Bay State Optical Company, Attleboro, Mass. Nonmetallic temple for spectacles or similar article. 155,479, Oct. 11.

Castelli, Charles, Union City, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Goggle case or similar article. 155,480, Oct. 11.

Clasen, Arthur C., Kansas City, Kans., H. J. Millgard, Spokane, and T. A. Phelps, Seattle, Wash. Fishing lure. 155,481, Oct. 11.

Collison, Edward E., St. Lucie, Fla. Portable hair drier. 155,482, Oct. 11.

Columbia Protektosite Co., Inc., assignee: *See*—
Castelli, Charles.

Colvin Corporation, assignee: *See*—
Colvin, William P.

Colvin, William P., New Rochelle, assignor to Colvin Corporation, Long Island City, N. Y. Pull toy. 155,483, Oct. 11.

Comiskey, Anthony T., Sr.: *See*—
Comiskey, Joseph W., and A. T., Sr.

Comiskey, Joseph W. and Anthony T., Sr., Chicago, Ill. Motorcycle spotlight mounting bracket. 155,484, Oct. 11.

Conway, John W., Bridgeport, Conn. Clothesline pulley assembly. 155,485, Oct. 11.

Cook, Chester L., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,486, Oct. 11.

Cook, Chester L., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,487, Oct. 11.

Cory Corporation, assignee: *See*—
Jones, Charles E., and Crowle.

Crockett, John W., Buffalo, N. Y. Purse light. 155,488, Oct. 11.

Crowle, Robert H.: *See*—
Jones, Charles E., and Crowle.

Dansco Corporation, assignee: *See*—
Hatfield, David D.

De Mesquita, Edwin B., Jamaica, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Toilet bowl cleaner. 155,489, Oct. 11.

Diced Cream of America Co., assignee: *See*—
Berch, Samuel H.

Dunberg, David W., New York, N. Y. Cigarette dispenser. 155,490, Oct. 11.

Ellmore Silver Co., Inc., The, assignee: *See*—
Lipman, Isadore A.

Etkin, Simon, New York, N. Y. Jacket. 155,491, Oct. 11.

Faries Manufacturing Company, assignee: *See*—
Laystrom, Carl A., and Sigler.

Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,492, Oct. 11.

Ferguson, Robert O., Bristol, Tenn., assignor of one-half to Bristol Steel & Iron Works, Inc., Bristol, Va. Highway traffic signal. 155,493, Oct. 11.

Filtex Corporation, assignee: *See*—
Storm, Frederick K., Jr.

Fitzgerald, Gus R., Ponca City, Okla. Combined pedestal and mirror. 155,495, Oct. 11.

Fleming, Jack F., Scarsdale, N. Y., assignor to Sterling Plastics Company, Union, N. J. Powder box. 155,494, Oct. 11.

Gardner, John A., Salisbury, N. C. Tombstone. 155,496, Oct. 11.

General Electric Company, assignee: *See*—
Bec Var, Arthur N., and Munz.

Gloria Gloves, Inc., assignee: *See*—
Wiesenthal, Margaret.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,497, Oct. 11.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,498, Oct. 11.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,499, Oct. 11.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,500, Oct. 11.

Goldberg, Harry, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,501, Oct. 11.

Gossard, Wayne T., Los Angeles, Calif. Electric plug connector. 155,502, Oct. 11.

Gruen, Henry, New York, N. Y. Recessed type bathroom fixture. 155,503, Oct. 11.

Gustafsson, Eric, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Antioffset dry powder gun or the like. 155,504, Oct. 11.

Gustin, Nelson D., East Palo Alto, E. W. Hartung, San Mateo, and M. A. Selo, Oakland, Calif. Drive-in restaurant or the like. 155,505, Oct. 11.

Gutschneider, Jack, Mount Vernon, N. Y. Watchcase. 155,506, Oct. 11.

Haft, Morris W., & Bros., Inc., assignee: *See*—
Burell, Arnold.
Goldberg, Harry.

Hartung, Earl W.: *See*—
Gustin, Nelson D., Hartung, and Selo.

Hatfield, David D., Los Angeles, assignor to Dasco Corporation, Santa Monica, Calif. Photographic exposing, developing, and printing apparatus. 155,507, Oct. 11.
Heimburger, Douglas D., Beverly Hills, Calif. Spraying device. 155,508, Oct. 11.
Hertzberg, H., & Son, Inc., assignee: *See*—
Hertzberg, Ira.
Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son, Inc., New York, N. Y. Display rack. 155,509, Oct. 11.
Hess, Donald E., Seattle, Wash. Hair test board. 155,510, Oct. 11.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Milton B.
Hoffmann, Jakob A.: *See*—
Preis, Martin H., and Hoffmann.
International Business Machines Corporation, assignee: *See*—
Kress, George H.
Janousek, Josef, Vienna, Austria. Ear pendant. 155,511, Oct. 11.
Jones, Charles E., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,512, Oct. 11.
Jones, Charles E., assignor to N. R. Sklar, Chicago, Ill. Animal trap or the like. 155,513, Oct. 11.
Jones, Charles E., Chicago, and R. H. Crowle, Berwyn, assignors to Cory Corporation, Chicago, Ill. Electric circulating floor fan. 155,514, Oct. 11.
Jurrat, John W. K.: *See*—
Kruithof, George T., and Jurrat.
Kitson, Alfred P., Aptos, Calif. Portable wardrobe or similar article. 155,515, Oct. 11.
Kress, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Time recording machine. 155,516, Oct. 11.
Kruithof, George T., and J. W. K. Jurrat, Glendale, Calif. Shuffle board game device. 155,517, Oct. 11.
Laystrom, Carl A., Decatur, and H. E. Sigler, Argenta, assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill. Front for an illuminable mirror cabinet. 155,518, Oct. 11.
Leach, Raymond A., Los Angeles, Calif. Coin dispensing machine. 155,519, Oct. 11.
Leavin, William H., New York, N. Y. Lipstick holder. 155,520, Oct. 11.
Leavin, William H., New York, N. Y. Compact or similar article. 155,521, Oct. 11.
Lipman, Isadore A., assignor to The Elimore Silver Co., Inc., Meriden, Conn. Dish or similar article. 155,522, Oct. 11.
Lipman, Isadore A., assignor to The Elimore Silver Co., Inc., Meriden, Conn. Dish or similar article. 155,523, Oct. 11.
Mabs, Inc., assignee: *See*—
Minger, Robert E.
McDonald, Edward F., Buffalo, N. Y. Combined cover and cigarette, cigar, and pipe rest for ash trays. 155,524, Oct. 11.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Container for cosmetics and the like. 155,525, Oct. 11.
Meisel, Murray A.: *See*—
Secofsky, Abraham, Meisel, and Zalman.
Millers Falls Company, assignee: *See*—
Moretti, Whitfield.
Millgard, Hugh J.: *See*—
Clasen, Arthur C., Millgard, and Phelps.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,526, Oct. 11.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,527, Oct. 11.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,528, Oct. 11.
Minger, Robert E., Manhattan Beach, assignor to Mabs, Inc., Los Angeles, Calif. Textile fabric or similar article. 155,529, Oct. 11.
Montrose, Ruth, New York, N. Y. Textile fabric. 155,530, Oct. 11.
Moretti, Whitfield, assignor to Millers Falls Company, Greenfield, Mass. Electric tool unit. 155,531, Oct. 11.
Morrison, Louis, New York, N. Y. Fountain pen or similar article. 155,532, Oct. 11.
Mueller, C. F., Company, assignee: *See*—
Mueller, Samuel.
Mueller, Samuel, Maplewood, assignor to C. F. Mueller Company, Hudson County, N. J. Needle or similar article. 155,533, Oct. 11.
Muns, Robert E.: *See*—
Bee Var, Arthur N., and Muns.
National Battery Company, assignee: *See*—
Blakely, Sidney B.
National Lock Company, assignee: *See*—
Aleks, Vytant P.
Stone, Roy A.
Noordhof, Harry, Grand Haven, Mich. Adjustable flatiron stand. 155,534, Oct. 11.
Oldak, Jacob M., Brooklyn, N. Y. Cuff link or similar article. 155,535, Oct. 11.
Oster, John, Manufacturing Company, assignee: *See*—
Berndt, Richard F.
Passing Eye, Inc., assignee: *See*—
Storts, Robert K.
Phelps, Theodore A.: *See*—
Clasen, Arthur C., Millgard, and Phelps.
Pickering, Clarence E., Sr.: *See*—
Pickering, Elwin L., and C. E. Pickering, Sr.
Pickering, Elwin L., Los Angeles, Calif., and C. E. Pickering, Sr., Fort Wayne, Ind. Cigarette holder. 155,536, Oct. 11.
Polenz, Paul W., La Jolla, Calif. Anchor. 155,537, Oct. 11.
Poullot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 155,538, Oct. 11.
Preis, H. P., Engraving Machine Co., assignee: *See*—
Preis, Martin H., and Hoffmann.
Preis, Martin H., Cranford, and J. A. Hoffmann, Lyndhurst, assignors to H. P. Preis Engraving Machine Co., Newark, N. J. Engraving machine. 155,539, Oct. 11.
Presto Lighters Limited, assignee: *See*—
Poullot, Paul.
Reiter, George, New York, N. Y. Coat. 155,540, Oct. 11.
Reiter, George, New York, N. Y. Suit. 155,541, Oct. 11.
Reiter, George, New York, N. Y. Suit. 155,542, Oct. 11.
Reiter, George, New York, N. Y. Suit. 155,543, Oct. 11.
Rosbro Plastics Corporation, assignee: *See*—
Brown, Bertram M.
Rubinstein, Helena, Inc., assignee: *See*—
Medgyes, Ladislas.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 155,544, Oct. 11.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 155,545, Oct. 11.
Sears, Roebuck & Co., assignee: *See*—
Sundberg, Carl W., and Ferar.
Secofsky, Abraham, and M. A. Meisel, New York, and A. Zalman, Kew Gardens Hills, N. Y. Combined camera support and floodlight lamp holder. 155,546, Oct. 11.
Selo, Monroe A.: *See*—
Gustin, Nelson D., Hartung, and Selo.
Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.
Sklar, Nathan R., assignee: *See*—
Cook, Chester L.
Jones, Charles E.
Smith, Milton B., Huntington, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Phonograph record holder. 155,547, Oct. 11.
Smith, Milton B., Huntington, Ind., assignor to The Hettrick Manufacturing Company Toledo, Ohio. Phonograph record holder frame. 155,548, Oct. 11.
Sterling Plastics Company, assignee: *See*—
Fleming, Jack F.
Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Handle. 155,549, Oct. 11.
Storm, Frederick K., Jr., assignor to Filtex Corporation, Los Angeles, Calif. Vacuum cleaner. 155,550, Oct. 11.
Storts, Robert K., Delavan, assignor to Passing Eye, Inc., Kenosha, Wis. Automobile mirror. 155,551, Oct. 11.
Strassner, John F., New York, N. Y. Jacket. 155,552, Oct. 11.
Strassner, John F., New York, N. Y. Jacket. 155,553, Oct. 11.
Strassner, John F., New York, N. Y. Coat. 155,554, Oct. 11.
Strassner, John F., New York, N. Y. Coat. 155,555, Oct. 11.
Strassner, John F., New York, N. Y. Jacket. 155,556, Oct. 11.
Strassner, John F., New York, N. Y. Jacket. 155,557, Oct. 11.
Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck & Co., Chicago, Ill. Kitchen cabinet. 155,558, Oct. 11.
Tillmann, Richard O., Merrick, assignor to American Can Company, New York, N. Y. Cosmetic box or the like. 155,559, Oct. 11.
Toland, John W., Clearwater, Fla. Glass holder. 155,560, Oct. 11.
Weiss, Jacob M., New York, N. Y. Combination mechanical pencil and knife. 155,561, Oct. 11.
Werner, Arthur C., Lodi, Calif. Mucilage applicator unit. 155,562, Oct. 11.
Wiesenthal, Margaret, assignor to Gloria Gloves, Inc., New York, N. Y. Glove. 155,563, Oct. 11.
Zalman, Alexander: *See*—
Secofsky, Abraham, Meisel, and Zalman.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbey, Nelson D., Toledo, Ohio. Tube clamping and severing machine. 2,484,601, Oct. 11.
Abbott, John E., Spring Valley, Calif. Cement block building wall. 2,484,062, Oct. 11.
Ackerman, Ernest A., Cleveland Heights, Ohio. Lamp having a lens for establishing an antiglare screen. 2,484,796, Oct. 11.
Ackley, Charles S., assignor to Thermactor Corporation, New York, N. Y. Electric heater for subsurface materials. 2,484,063, Oct. 11.
Adkins, George, Portsmouth, Ohio. Drowning attachment for traps. 2,484,479, Oct. 11.
Adrianoff, Alexandre. Ixelles-Brussels, Belgium, vested in the Attorney General of the United States. Hearth for burning solid fuels. 2,484,064, Oct. 11.
Aero Supply Mfg. Co. Inc., assignee: *See*—
Pain, Edwin F.
Aerojet Engineering Corporation, assignee: *See*—
Parsons, John W.
Aeronautical Research Corporation, assignee: *See*—
Mallina, Rudolph F.
Agamaite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Weatherproof dispenser. 2,484,797, Oct. 11.
Agster, Melvin, Buffalo, and R. L. Terrill, Williamsville, assignors to Spencer-Kellogg and Sons, Inc., Buffalo, N. Y. Modifying castor oil. 2,484,328, Oct. 11.
Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Aktiebolaget Gylling & Co., assignee: *See*—
Zandelin, Fritz G., and Ingelström.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Keller, Robert.
Alberti, Karl, Toledo, assignor to Lynch Manufacturing Corporation, Defiance, Ohio. Molding and packaging machinery. 2,484,005, Oct. 11.
Alburger, James R., Los Angeles, assignor of one-half to I. R. Goshaw, Beverly Hills, Calif. Device for breaking up liquid droplets in a gas stream. 2,484,778, Oct. 11.
Alco-Gravure Division of Publication Corporation, assignee: *See*—
Wheildon, Theodore.
Alco Valve Company, assignee: *See*—
Dube, John E., and Bower.
Aldhiser, George S., II, assignee: *See*—
Turner, Charles C.
Alex, Ralph P., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Skin stressed laminated fiberglas rotor blade. 2,484,141, Oct. 11.
Allen, Albert J., Brooklyn, N. Y. Maximum demand meter. 2,484,396, Oct. 11.
Allied Chemical & Dye Corporation, assignee: *See*—
Martin, Andrew J.
Allied Laboratories, Inc., assignee: *See*—
Craige, Arthur H., Jr., and Kleckner.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Cobb, Carroll F., De Windt, and Weitlauf.
Allshouse, Harlow E.: *See*—
Buttner, William C., and Allshouse.
Allwein, Aloysius F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure measuring instrument. 2,484,541, Oct. 11.
Alrose Chemical Company, assignee: *See*—
Beer, Leo.
Weisberg, Mark, Stevenson, and Beer.
Altar, William: *See*—
Vaughan, Sam G., Grant, Altar, and Dodd.
American Cyanamid Company, assignee: *See*—
King, Victor L., and Bart.
Stock, Charles R.
American Cystoscope Makers, Inc., assignee: *See*—
Wallace, Frederick J.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
Schlegel, Walter L., Jr.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Brickman, Alan E.
American Viscose Corporation, assignee: *See*—
Calhoun, John A., Jr.
Peterson, Leroy E., and Dart.
Amering, Charles F.: *See*—
Staehle, Henry C., and Amering.
Anderson, Einar, Leominster, Mass. Adjustment for boring bar tools. 2,484,480, Oct. 11.
Anderson, Eric M., assignor to Utilities Distributors, Inc., Portland, Maine. Portable truck heater. 2,484,665, Oct. 11.
Anderson, John T., assignee: *See*—
Weber, John A.
Angel, Charles M., and R. A. Culbertson, Huntington, W. Va., assignors to Nathan Manufacturing Company, New York, N. Y. Water gauge. 2,484,829, Oct. 11.
Angel, H. Reeve, & Co., Ltd., assignee: *See*—
Thorpe, James W., Bussell, and Herbert.
Ankenman, Earl B., Olathe, Kans., and C. E. Center, Reading, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed control system for motors. 2,484,006, Oct. 11.
Anthony Company, assignee: *See*—
Wachter, Lester W.
Anthony, Louis W., Albany, Oreg. Attachment for hayrakes to operate hayrakes from tractor seats. 2,484,666, Oct. 11.
Arisman, Mervin B., A. J. Vakavik, and R. W. Magnusen, assignors to Chicago Telephone Supply Corporation, Elkhart, Ind. Driver for variable resistors. 2,484,667, Oct. 11.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Arnold, Frank, McKees Rocks, Pa. Emergency safety signal. 2,484,142, Oct. 11.
Arnold, John G., Pittsburgh, Pa. Bingo card and numbered indicators therefor. 2,484,143, Oct. 11.
Art Metal Construction Company, assignee: *See*—
Jones, James R.
Arthur, Paul, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Latent catalysts for acid-curing aldehyde reaction products capable of forming resins under acidic conditions. 2,484,481, Oct. 11.
Ashton, Everett H., Jersey City, N. J., R. G. Mallard, New York, N. Y., and E. A. Mastriani, Newark, N. J., assignors to The M. W. Kellogg Company, New York, N. Y.
Picker stick check. 2,484,065, Oct. 11.
Associated Development and Research Corporation, assignee: *See*—
Treiss, Herman G., Jr.
Atkins, James W., Huntington, W. Va. Handy shoeshine kit. 2,484,442, Oct. 11.
Atkinson, Earl B., Bay Village, Ohio. Combination receptacle mounting and tie post for dogs. 2,484,268, Oct. 11.
Atlas Powder Company, assignee: *See*—
Trevorrow, William D.
Attorney General of the United States: *See*—
Adrianoff, Alexandre.
Atwell, Clarence A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Slot wedge for dynamoelectric machines. 2,484,007, Oct. 11.
Atwood, Wilfrid L., Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky. Anode cooling system. 2,484,542, Oct. 11.
Aubert, Fred E., Detroit, Mich. Fuel pressure responsive burner controlling apparatus. 2,484,008, Oct. 11.
Aubert, Fred E., Grosse Pointe, Mich. Combustion heating apparatus and controls therefor. 2,484,602, Oct. 11.
Audemar, Pierre, La Garenne-Colombes, and C. Duchaussoy, Paris, assignors to Olaer Patent Cy, Luxembourg (Duchy of Luxembourg), and Compagnie Generale Pour l'Equipment Aeronautique, Paris, France. Hydraulic control device. 2,484,603, Oct. 11.
Auerbacher, Werner F.: *See*—
Paradise, Lionel P., and Auerbacher.
Austin, Donald D., Sr., assignor to National Broach & Machine Company, Detroit, Mich. Shaving shoulder gears. 2,484,482, Oct. 11.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Saville, Willie.
Backhus, Fred, Carlstadt, N. J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Safety mechanism for preboarding machines. 2,484,668, Oct. 11.
Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Method and device relating to absorption refrigerating apparatus. 2,484,669, Oct. 11.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater, one or more code combinations per start-stop cycle. 2,484,066, Oct. 11.
Badeau, Carroll A., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Electrical connector. 2,484,144, Oct. 11.
Bader, James B., Webster Groves, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Thermostatic switch. 2,484,145, Oct. 11.

Badertscher, Darwin E.: *See*—
Caesar, Philip D., and Badertscher.

Baker, Gilbert M., Los Angeles, Calif. Electrical weed killer. 2,484,443, Oct. 11.

Baldwin, Arthur R., Berwyn, and W. Hach, Oak Park, Ill., assignors to Corn Products Refining Company, New York, N. Y. Caramel-flavored starch powder. 2,484,543, Oct. 11.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Liquid condensation polymers of bis (hydroxyalkyl) sulfides and bis (hydroxyalkyl) polysulfides. 2,484,369, Oct. 11.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Liquid sulfoalkylene-oxyalkylene copolymers. 2,484,370, Oct. 11.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine and operating same. 2,484,009, Oct. 11.

Barber, Sidney J., Philadelphia, and J. T. Eaton, Hatboro, assignors to E. F. Houghton & Co., Philadelphia, Pa. Lubricating composition. 2,484,146, Oct. 11.

Barker, Alfred W., Tottenham, London, England. Machine for molding plastic materials, such as confectionery. 2,484,670, Oct. 11.

Barker Poultry Equipment Co., assignee: *See*—
Mead, Ezra B.

Barker, William A.: *See*—
Clarke, Thomas B., and Barker.

Barnes, Charlie W., Gastonia, and J. W. Cole, Charlotte, assignors to Gastonia Textile Machinery Company, Inc., Gastonia, N. C. Machine for processing waste fibers. 2,484,604, Oct. 11.

Barnes, Edwin H., Oak Harbor, Ohio. Garden tractor equipped with laterally shiftable earth working implement. 2,484,264, Oct. 11.

Barr & Stroud Limited, assignee: *See*—
French, James W., and Foster.

Bart, Edward H.: *See*—
King, Victor L., and Bart.

Bartel, George H., Minneapolis, Minn. Stock prod. 2,484,147, Oct. 11.

Bartel, William H.: *See*—
Rennecamp, Clarence C., and Bartel.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Practice golf ball. 2,484,397, Oct. 11.

Bastian-Blessing Company, The, assignee: *See*—
Buttner, William C., and Allshouse.

Baudry, René A.: *See*—
Criner, Harry E., and Baudry.

Bauman, Thomas S., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Silk screen stencil decorating machine. 2,484,671, Oct. 11.

Baumle, Rudolf K. F., assignor to Illinois Tool Works, Chicago, Ill. Screw fastener. 2,484,645, Oct. 11.

Bayston, John R., Chicago, Ill. Pump utilizing the heat of liquids in a plumbing system. 2,484,371, Oct. 11.

Beall, Frank H., Detroit, Mich. Internal-combustion engine. 2,484,672, Oct. 11.

Bearden, La Moyne D.: *See*—
Malm, Carl J., and Bearden.

Beattie, Horace S.: *See*—
Page, Ralph B., Beattie, and Daly.

Beatty, Henry M.: *See*—
Dickey, Ralph L., and Beatty.

Beatty, Horatio E., Elberfeld, and T. W. Mullen, Evansville, Ind., said Mullen assignor to said Beatty. Condiment holder. 2,484,148, Oct. 11.

Beck, John H., Cheyenne, Wyo. Oscillating placer separating machine. 2,484,203, Oct. 11.

Becker, Frank M., Sinking Springs, Pa. Adhesive tape cutter. 2,484,673, Oct. 11.

Beer, Leo: *See*—
Weisberg, Mark, Stevenson, and Beer.

Beer, Leo, Providence, assignor to Alrose Chemical Company, Cranston, R. I. Shrinkage control of cellulosic fibers. 2,484,545, Oct. 11.

Bell, Harry G., Paris, and J. D. Gay, Jr., Lexington, assignors to Gay-Bell Corporation, Paris, Ky. Machine for clinching a hoop connecting member and the like. 2,484,398, Oct. 11.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M.
Davis, Kingsbury H.
Dehn, Joseph W., and Holden.
Emling, John W.
Fisher, Harold J.
Helsing, Raymond A.
Hersey, Ralph E.
Holden, William H. T.
Keller, Arthur C.
Mason, Warren P.
McKim, Burton, and Merrill.
Peterson, Lisa C.
Smith, George O.
Smith, Harry B.
Waits, Maynard C.

Beller, Hans, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Stabilization of dialkyl haloacetals. 2,484,330, Oct. 11.

Bels, Basil A., Great Neck, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Adjustable cam structure. 2,484,331, Oct. 11.

Bennett, Clarence H., Philadelphia, and R. E. B. Wakefield, Aidan, Pa., assignors to Selas Corporation of America. Electrical ignitor. 2,484,544, Oct. 11.

Benson, Carl H., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Cartridge ejector for firearms. 2,484,444, Oct. 11.

Bentley, Harry T., II: *See*—
Rahmel, Henry A., and Bentley, II.

Berberich, Leo J.: *See*—
Pendleton, Wesley W., Berberich, and Smith.

Berlinger, Bernard E., Elkins Park, assignor to Quaker City Gear Works, Inc., Philadelphia, Pa. Fishing reel. 2,484,546, Oct. 11.

Berry, Glenn, and G. W. Sjoboen, Birmingham, Mich.; said Sjoboen assignor to said Berry. Garage door. 2,484,674, Oct. 11.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polytetrafluoroethylene dispersions. 2,484,483, Oct. 11.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining laminated products. 2,484,484, Oct. 11.

Bibby, J., & Sons Limited, assignee: *See*—
Bibby, James E.

Bibby, James E., Birkenhead, assignor to J. Bibby & Sons Limited, Liverpool, England. Rotary drum evaporator with concentric evaporating chambers. 2,484,445, Oct. 11.

Biderman, Carl, Jamaica, N. Y. Fluid lens having bubble elimination means. 2,484,675, Oct. 11.

Bidwell, George L., Riegelsville, Pa. Apparatus for drying paper. 2,484,676, Oct. 11.

Bihler, Roger: *See*—
Epstein, Seymour, and Bihler.

Bins, Gustave H., Maywood, Ill. Collapsible carrier for outboard motors. 2,484,677, Oct. 11.

Bishop, Edward C., Kansas City, Mo. Safety ignition key holder. 2,484,547, Oct. 11.

Bitzer, Martin, Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Silent suction motor. 2,484,548, Oct. 11.

Black-Clawson Company, The, assignee: *See*—
Staege, Stephen A.

Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selenium rectifier. 2,484,204, Oct. 11.

Blair Manufacturing Company, assignee: *See*—
Wells, F. Warren.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Fabricated bobbin releaser for weft replenishing looms. 2,484,399, Oct. 11.

Blaw-Knox Company, assignee: *See*—
Thomas, William A.

Blewett, John P., East Patchogue, N. Y., assignor to General Electric Company. Electron injection apparatus. 2,484,549, Oct. 11.

Bliss, E. W., Company, assignee: *See*—
Williamson, Larkin R.

Blok, Lourens, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Harmonic generator. 2,484,372, Oct. 11.

Blumer, Opha F., Moravia, Iowa. Ceiling suspended, elevatable table. 2,484,678, Oct. 11.

Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Production of unsaturated organic compounds. 2,484,067, Oct. 11.

Boncompain, Francois, assignor to Etablissements Labinal, Saint-Ouen, France, and SEBMA S. A., Societe d'Exploitation de Brevets de Machines Agricoles, Romont, Switzerland. Automatic control agricultural machine. 2,484,069, Oct. 11.

Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition apparatus. 2,484,068, Oct. 11.

Borden, Joseph H., assignor to The Haughton Elevator Company, Toledo, Ohio. Elevator door lock. 2,484,679, Oct. 11.

Borg-Warner Corporation, assignee: *See*—
Rovick, John D.
Stubau, Carl J.

Bossart, Paul N., Cheswick, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train communication and alarm system using modulated carrier currents. 2,484,680, Oct. 11.

Boucher, Jacques, Paris, assignor to Compagnie De Pont A Mousson, Nancy, France. Epicycloidal train of friction mechanism. 2,484,605, Oct. 11.

Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Cleansing device for ball bearing assemblies. 2,484,149, Oct. 11.

Bowe, Leon E., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Production of alkali metals from ferro-phosphorus and alkali carbonates or hydroxides. 2,484,266, Oct. 11.

Bower, George D.: *See*—
Dube, John E., and Bower.

Bower, Joseph E., Milwaukee, Wis. Flue cleaning implement with blade flexibly connected to shaft. 2,484,267, Oct. 11.

Boyce, John, San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Powder cooler. 2,484,070, Oct. 11.

Bradley, Milton, Company, assignee: *See*—
Robbins, Robert L., Jr.

Bradley, William B., Swarthmore, assignor by mesne assignments, to Philco Corporation, Philadelphia, Pa. Signal transmission system. 2,484,798, Oct. 11.

Braker, William: *See*—
Lott, William A., and Braker.

Braker, William, Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. 2-sulfanilamido-pyrimidines having an acetal substituent in the pyrimidine nucleus. 2,484,606, Oct. 11.

Brauer, Walter, Ingleside, Tex. Lawn mower. 2,484,071, Oct. 11.

Breese Burners, Inc., assignee: *See*—
Huston, Milton D.

Brewster, Oliver H., Essex Fells, assignor to Electrical Industries, Inc., Newark, N. J. Sterilizing device. 2,484,681, Oct. 11.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Die cast terminal fittings and making the same. 2,484,485, Oct. 11.

Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Corrosion inhibitor. 2,484,010, Oct. 11.

Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Control valve for hydraulic systems. 2,484,373, Oct. 11.

Brooker, Leslie G. S.: *See*—
Sprague, Robert H., and Brooker.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,484,682, Oct. 11.

Brouse, William H. D., assignor to Teleflex Limited, Toronto, Ontario, Canada. Adjustable control lever. 2,484,551, Oct. 11.

Brown, Arthur G., Cherry, Ill. Shaft puller. 2,484,400. Oct. 11.

Brown, Bernard A., and H. J. Houck, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Processing machine. 2,484,550, Oct. 11.

Brown & Bigelow, assignee: *See*—
Wege, John P.

Brown, Caroline, New York, N. Y. Cross stretch foundation garment. 2,484,265, Oct. 11.

Brown Company, assignee: *See*—
Day, George A., and Fenn.

Brown, Robert C., Jr., assignee: *See*—
Grover, John C., Jr.

Brown, Robert L., Chesapeake, W. Va. Work-expelling device for tubular saws. 2,484,150, Oct. 11.

Brownell, Robert F., Theresa, N. Y. Distance measuring device. 2,484,151, Oct. 11.

Brunken, Renke, and R. Haag, Cleveland, Ohio. Electric control mechanism for automatic transmissions. 2,484,011, Oct. 11.

Bruson, Herman A., Rydal, assignor, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Cyanobutenyl acetoacetic esters. 2,484,683, Oct. 11.

Bruton, David A., Albemarle, N. C. Radio time switch. 2,484,152, Oct. 11.

Buffalo-Springfield Roller Co., The, assignee: *See*—
Greiner, Carl F.

Buffington, Alan P., assignor to Philco Corporation, Philadelphia, Pa. Detachable coupling. 2,484,684, Oct. 11.

Bund Company, The, assignee: *See*—
Fall, Wilfrid.

Burdick, Will S., Wauwatosa, and H. S. Jacobs, assignors to Harnischfeger Corporation, Milwaukee, Wis. Ventilated excavator cab. 2,484,685, Oct. 11.

Burson Knitting Company, assignee: *See*—
Hinchliff, Ralph.

Bussell, Sydney W.: *See*—
Thorpe, James W., Bussell, and Herbert.

Butsch, Paul V.: *See*—
Van Buskirk, Edward C., and Butsch.

Buttner, William C., Winnetka, and H. E. Allshouse, assignors to The Bastian-Blessing Company, Chicago, Ill. Carbonated water dispenser. 2,484,779, Oct. 11.

Button, Harold O.: *See*—
Long, William C., and Button.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.

Byers, William B., Kansas City, Mo.; W. B. McDowell administratrix of said W. B. Byers, deceased. Machine for making insulating blankets. 2,484,686, Oct. 11.

Caesar, Philip D., Wenonah, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Allyl thiophenes. 2,484,268, Oct. 11.

Cahen, Francois M., A. Chevallier, and P. M. E. Henriet, assignors to Union D'Electricite, Paris, France. Apparatus for detecting breaks of synchronism between electric machines. 2,484,374, Oct. 11.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of carboxylic acids by the reduction of beta lactones. 2,484,486, Oct. 11.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing glycol monoesters of acrylic and α-methacrylic acids. 2,484,487, Oct. 11.

Calhoun, John A., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of fibers. 2,484,012, Oct. 11.

Calhoun, John A., Jr., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacture of cellulose articles from viscose. 2,484,013, Oct. 11.

California Research Corporation, assignee: *See*—
Johnson, Arthur B., and Higgins.
Levine, Irving E., and Folsom.

Cameron Can Machinery Company, assignee: *See*—
Simpson, Justin.

Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magazine for magnetic recording and reproducing devices. 2,484,552, Oct. 11.

Candler, Arthur V. B., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla. Apparatus for treating crude oil emulsions. 2,484,205, Oct. 11.

Capita, Emil E., North Bergen, N. J. Ultraviolet light apparatus. 2,484,332, Oct. 11.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Expansible tooth sprocket. 2,484,446, Oct. 11.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Boese, Albert B., Jr.

Carl, William P., Jr., Hampton, Va. Rigid sail construction for boats or the like. 2,484,687, Oct. 11.

Carlson, Margaret V., Jacksonville, Fla. Head covering hood. 2,484,269, Oct. 11.

Carson, Howard, H. M. Geyer, and J. W. Light, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Duplicating machine. 2,484,553, Oct. 11.

Case, J. I., Company, assignee: *See*—
Magee, Kenneth L.
Schoenrock, Otto R.

Cass, Vernon C., Chicago, Ill. Vehicle wheel mounting means. 2,484,447, Oct. 11.

Castedello, William, assignor to The Kalart Company, Inc., Stamford, Conn. Reflecting range finder having uniformly calibrated scale. 2,484,072, Oct. 11.

Celanese Corporation of America, assignee: *See*—
Martin, Mervin E., Reed, and Thomas.
Seymour, George W., White, and Davis.

Center, Clare E.: *See*—
Ankenman, Earl B., and Center.

Chapin, John L., Jr.: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.

Chaudoir, Kirby J., Sr., Alexandria, La. Exercising device. 2,484,153, Oct. 11.

Cherem, Gabriel A., Detroit, Mich. Guard for painters' use. 2,484,607, Oct. 11.

Chevallier, André: *See*—
Cahen, Francois M., Chevallier, and Henriet.

Cheyney, La Verne E., and R. J. McCutcheon, assignors to Wingfoot Corporation, Akron, Ohio. Lightweight container. 2,484,608, Oct. 11.

Chicago Telephone Supply Corporation, assignee: *See*—
Arisman, Mervin B., Vaksvik, and Magnussen.

Childress, Olven W., Jr.: *See*—
Foust, Floyd J., Childress, and Whelchel.

Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Dynamic damper. 2,484,073, Oct. 11.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Druey, Jean.
Hartmann, Max, and Druey.

Cities Service Oil Company, assignee: *See*—
Wood, Sylvan R.

Claesson, Per H. E.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical device. 2,484,206, Oct. 11.

Clark, Henry B., Elizabeth, N. J. Hinge for overhead doors. 2,484,609, Oct. 11.

Clark, Homer B.: *See*—
Morton, Henry E., and Clark.

Clarke, Thomas B., and W. A. Barker, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Shoe positioning and clamping means. 2,484,074, Oct. 11.

Clay, Robert G., assignee: *See*—
Walters, Leslie W.

Cleveland Automatic Machine Company, The, assignee: *See*—
Dulaney, William B.

Clunan, Albert B., and J. F. Stalter, assignors to Wingfoot Corporation, Akron, Ohio. Wrapping machine and wrapping. 2,484,780, Oct. 11.

Cobb, Carroll F., and J. J. De Windt, Silverton, and S. A. Weitlauf, Cincinnati, Ohio, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Commutator brazing fixture. 2,484,333, Oct. 11.

Cochran, Charles W., U. S. Navy, Yeadon, Pa. Positive displacement hydraulic transmission. 2,484,015, Oct. 11.

Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Double twist spindle. 2,484,016, Oct. 11.

Coe Manufacturing Company, The, assignee: *See*
Parker, Clarence E.

Coffey, Irven E., St. Louis, assignor to G. E. Ericson, Elmwood, Mo. Windshield wiper motor control. 2,484,781, Oct. 11.

Coggeshall, Norman D.: *See*—
Meshat, Morris, and Coggeshall.

Cole, William R., Des Moines, Iowa. Crutch. 2,484,401, Oct. 11.

Cole, John W.: *See*—
Barnes, Charlie W., and Cole.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Chicago, Ill. Tube-forming apparatus. 2,484,075, Oct. 11.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Tube forming device. 2,484,076, Oct. 11.

Collins Radio Company, assignee: *See*—
May, Richard W.
Moseley, Francis L.
Wetsel, Grant N.

Compagnie De Pont A Mousson, assignee: *See*—
Boucher, Jacques.

Compagnie Generale Pour l'Equipement Aeronautique, assignee: *See*—
Audemar, Pierre, and Duchaussoy.

Comstock, Millard F., Buffalo, N. Y. Magazine pencil. 2,484,555, Oct. 11.

Conaway, Ernest A., Chicago, Ill. Combined freight car lock and seal. 2,484,077, Oct. 11.

Concordia, Charles, Schenectady, N. Y., and M. F. Dowell, Lynnfield, Mass., assignors to General Electric Company. Centrifugal impeller. 2,484,554, Oct. 11.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Giffen, Harvey D.

Continental Can Company, Inc., assignee: *See*—
Coyle, John.

Cook, Everett J., Toledo, Ohio. Microphotographic apparatus. 2,484,448, Oct. 11.

Copeman Laboratories Company, assignee: *See*—
Copeman, Lloyd G.

Copeman, Lloyd G., Metamora, assignor to Copeman Laboratories Company, Flint, Mich. Apparatus for dispensing ice cubes. 2,484,017, Oct. 11.

Copley, Harold M., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Removing electroscopic powder from an electrophotographic plate. 2,484,782, Oct. 11.

Corbett, Reginald S., Altrincham, England. Washing device for vehicles and other objects. 2,484,488, Oct. 11.

Corn Products Refining Company, assignee: *See*—
Baldwin, Arthur R., and Hach.

Cossar, A. C., Limited, assignee: *See*—
Moss, Hilary.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Resilient spring plank retainer. 2,484,783, Oct. 11.

Coughanor, Edward S., assignee: *See*—
Grossi, Carlo.

Cover, Ralph, assignor to The United Products Company, Westminster, Md. Corn products. 2,484,375, Oct. 11.

Cover, Ralph, assignor to The United Products Company, Westminster, Md. Cream style corn. 2,484,376, Oct. 11.

Cowley, Clayton R., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Adapter for sealing-in machines. 2,484,688, Oct. 11.

Cox, Russell E.: *See*—
Mapes, Elsworth E., and Cox.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Closure for containers. 2,484,270, Oct. 11.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,484,271, Oct. 11.

Craig, W. E. Philadelphia, and W. F. Hester, Drexel Hill, assignors to Rohm & Haas Company, Philadelphia, Pa. 3,4-dichlorophenylsulfonyl tribromomethane. 2,484,480, Oct. 11.

Craige, Arthur H., Jr., and A. L. Kleckner, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. Bactericidal compositions. 2,484,784, Oct. 11.

Crane Co., assignee: *See*—
Youngquist, Carl H.

Criner, Harry E., Forest Hills, and R. A. Baudry, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas density meter. 2,484,207, Oct. 11.

Crom, John M., Washington, D. C., assignor to Preload Enterprises, Inc. Pipe lining machine and method. 2,484,018, Oct. 11.

Cromonic, Joseph, Brooklyn, N. Y. Double cutter hair clipper. 2,484,610, Oct. 11.

Crompton & Knowles Loom Works, assignee: *See*—
Blanchard, William A.

Crowe, John M., Covington, Ky. Fluid burner with auxiliary external oxygen supply. 2,484,272, Oct. 11.

Culbertson, Robert A.: *See*—
Angel, Charles M., and Culbertson.

Cumming, Milton K.: *See*—
De Witt, Walter M., Sr., and Cumming.

Cunningham, Arthur R., Detroit, Mich. Loading device. 2,484,490, Oct. 11.

Custin, Thomas G., Syracuse, N. Y., assignor to General Electric Company. Demodulator for frequency modulated signals. 2,484,556, Oct. 11.

Cutler-Hammer, Inc., assignee: *See*—
Drugmand, Lester D.
Roeing, Theodore F.

Cutting Room Appliances Corporation, assignee: *See*—
Gilbert, Herman W., and Deichmann.

Daisy Manufacturing Company, assignee: *See*—
Lefever, Charles F.

Daly, George F.: *See*—
Page, Ralph E., Beattie, and Daly.

Damosel, Inc., assignee: *See*—
Hall, Lawrence J., and Ruth.

Darimont, Léopold, Anderlecht-Brussels, Belgium. Composite screen for cinematographic and other projections. 2,484,334, Oct. 11.

Dart, Sidney L.: *See*—
Peterson, Leroy E., and Dart.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for lever operated rotary actuating bars of door fasteners. 2,484,078, Oct. 11.

Daugherty, William J., Cleveland, Ohio. Movable filter type suction cleaner. 2,484,491, Oct. 11.

Daven Company, The, assignee: *See*—
Smith, John P., Jr.

Davidson, Walter L.: *See*—
Hiller, Robert W., and Davidson.

Davis, Beatrice, assignee: *See*—
Davis, Joseph W.

Davis, John V., assignor to Udylite Corporation, Detroit, Mich. Hydraulically operated plating machine. 2,484,079, Oct. 11.

Davis, Joseph W., assignor of one-half to B. Davis, Bloomington, Ill. Material unloading and conveying mechanism for trucks. 2,484,689, Oct. 11.

Davis, Kingsbury H., Bernardsville, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider. 2,484,611, Oct. 11.

Davis, Thomas G.: *See*—
Seymour, George W., White, and Davis.

Day, George A., Berlin, and E. F. Fenn, Gorham, N. H., assignors, by mesne assignments, to Brown Company, Portland, Maine. Producing chlorine dioxide. 2,484,402, Oct. 11.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,484,080, Oct. 11.

Dearsley, George, Scarsdale, N. Y., assignor to Molins Machine Company Limited, London, England. Device feeding knives in rotary tobacco cutting machines. 2,484,403, Oct. 11.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Electric liquid level indicating device. 2,484,690, Oct. 11.

Dehn, Joseph W., Great Neck, and W. H. T. Holden, Woodside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directory number calling line identifier. 2,484,612, Oct. 11.

Deichmann, Walter: *See*—
Gilbert, Herman W., and Deichmann.

De Luce, Henry H., Minneapolis, Minn. Egg sheller. 2,484,692, Oct. 11.

Demers, Paul E., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking communication system. 2,484,691, Oct. 11.

Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,484,208, Oct. 11.

Desmoulins, Emile H., Issy-les-Moulineaux, France. Propeller unit for aircraft. 2,484,273, Oct. 11.

Detuno, Rocco J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency induction heating apparatus. 2,484,613, Oct. 11.

Devine, John J., Middletown, Conn. Illuminated fountain pen. 2,484,154, Oct. 11.

Devores, Edward, Brighton, Mass. Correcting negatives. 2,484,019, Oct. 11.

De Windt, Joseph J.: *See*—
Cobb, Carroll F., and De Windt, and Weitlauf.

De Witt, Walter M., Sr., Somerville, N. J., and M. K. Cumming, Bronxville, assignors to Johns-Manville Corporation, New York, N. Y. Tubular gasket. 2,484,693, Oct. 11.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Recovering cyclized synthetic polyisoprene. 2,484,614, Oct. 11.

Dicke, Allen A., Upper Montclair, N. J. Two-part breech closing mechanism for repeating firearms. 2,484,694, Oct. 11.

Dickey, Ralph L., and H. M. Beatty, Shaker Heights, assignors to The Kelley Island Lime and Transport Company, Cleveland, Ohio. Concrete floor construction. 2,484,695, Oct. 11.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Electrical item comparing system. 2,484,061, Oct. 11.

Dinesen, Laurits, Minneapolis, Minn. Teat cup. 2,484,696, Oct. 11.

Dingerson, Oscar W., Berwyn, Ill. Knife sharpener. 2,484,335, Oct. 11.

Dingley, John C., Rexburg, Idaho, assignor of one-half to S. J. Morris, Pacoima, Calif. Segmental box-type wrench with pivoted levers. 2,484,492, Oct. 11.

Distillers Company, Limited, The, assignee: *See*—
Staudinger, Hanns P., and Faulkner.

Dockstader, J. M., assignee: *See*—
Young, Ellis H.

Dodd, Marcus W.: *See*—
Vaughan, Sam G., Grant, Altar, and Dodd.

Doerfler, Louis, Passaic, N. J. Dressing tool. 2,484,404, Oct. 11.

Dorr Company, The, assignee: *See*—
Roberts, Elliott J.

Dowell, Millard F.: *See*—
Concordia, Charles, and Dowell.

Downs, Bernard I., Forestville, assignor to The Vulcan Radiator Company, Hartford, Conn. Pipe bracket. 2,484,615, Oct. 11.

Dravo Corporation, assignee: *See*—
Hiller, Robert W., and Davidson.

Druey, Jean: *See*—
Hartmann, Max, and Druey.

Druey, Jean, Rieben, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. 1,4-dihydrazino-phthalazine and its acid salts. 2,484,785, Oct. 11.

Drugmand, Lester D., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Arc welding with controlled current pulses. 2,484,155, Oct. 11.

Dube, John E., Clayton, and G. D. Bower, University City, assignor to Alco Valve Company, University City, Mo. Valve with dual control. 2,484,156, Oct. 11.

Duchaussoy, Camille: *See*—
Audemar, Pierre, and Duchaussoy.

Duffy, Philip A., Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulsed oscillator. 2,484,209, Oct. 11.

Dulaney, William B., Cincinnati, assignor to The Cleveland Automatic Machine Company, Norwood, Ohio. Overload control mechanism. 2,484,616, Oct. 11.

Dunbar, John R., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control and testing system. 2,484,210, Oct. 11.

Dungler, Julien, Basel, Switzerland. Automatic feeding device for cloth. 2,484,020, Oct. 11.

Dunlap, Herman, St. Louis, Mo. Toothbrush holder. 2,484,157, Oct. 11.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Maron, Meyer.

Duplan Corporation, The, assignee: *See*—
Cochran, John K.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Arthur, Paul, Jr.
Berry, Kenneth L.
Hill, Julian W.
McClellan, William R.
Rigby, George W.
Roedel, Milton J.
Schroeder, Herman H.
Shirley, David A.

Ealing Studios Limited, assignee: *See*—
Speller, John C. G.

Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Turbine wheel. 2,484,274, Oct. 11.

Eastman, David P., assignor to United Specialties Company, Chicago, Ill. Supercharger seal. 2,484,275, Oct. 11.

Eastman Kodak Company, assignee: *See*—
Caldwell, John M.
Capstaff, John G.
Griggs, William H.
Hagemeyer, Hugh J., Jr.
Hamer, Frances M., Rathbone, and Winton.
Herdle, Lloyd E., and Perkins.
Hutchison, Miller R., Jr.
Lowe, Wesley G., and Griffin.
Malm, Carl J., and Bearden.
Minsk, Louis M., and Kenyon.
Quigley, John L., and Harvey.
Reynolds, Delbert D., and Kenyon.
Sprague, Robert H., and Brooker.
Stiehle, Henry C., and Amering.
Vanslow, Waldemar and Quirk.
Wangerin, Elmer O., and Walker.
Weisenberger, Arnold, and Salminen.
Wittel, Otto.

Eaton, James T.: *See*—
Barber, Sidney J., and Eaton.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.
Witchger, Eugene S.

Eaves, William C., Elyria, Ohio. Bracket. 2,484,021, Oct. 11.

Eberhart, Henry T., Long Beach, Calif. Lawn edger. 2,484,276, Oct. 11.

Eckman, Donald P., Ithaca, N. Y., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-operated control apparatus with antihunting compensation. 2,484,557, Oct. 11.

Edison, Thomas A., Incorporated, assignee: *See*—
Gardenier, Clyde B.

Edwards and Company, Inc., assignee: *See*—
Ruth, Edward S.

Eichorn, Robert N.: *See*—
Fitch, Clyde J., and Eichorn.

Elfon Co Ltd Aktiebolag, assignee: *See*—
Hammarsjö, Erik Algot.

Eisele, Andrew, Detroit, Mich. Feeler head for bore gauges. 2,484,697, Oct. 11.

Eisner, John H., Auburn, N. Y. Attachment plug. 2,484,558, Oct. 11.

Electric and Musical Industries Limited, assignee: *See*—
Robinson, Edward H.

Electrical Industries, Inc., assignee: *See*—
Brewster, Oliver H.

Ellner, George G., Long Island, N. Y. Irradiating apparatus. 2,484,559, Oct. 11.

Elser, Max R., Dearborn, Mich. Reciprocating tool attachment. 2,484,158, Oct. 11.

Emerson Electric Mfg. Co., The, assignee: *See*—
Veltman, John C., and Michelsen.

Emling, John W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power line carrier frequency telephone system. 2,484,211, Oct. 11.

Emms, Charles, London, England. Vest or waistcoat. 2,484,698, Oct. 11.

English Electric Company, Limited, The, assignee: *See*—
Pearson, Edward.
Shaw, Norman H.

Epstein, Seymour, New York, and R. Bihler, Brentwood, N. Y. Apparatus for making powder puffs. 2,484,336, Oct. 11.

Eramo, Americo T.: *See*—
Eramo, Helen, Marino, and Eramo.

Eramo, Helen J. Marino, and A. F. Eramo, Brooklyn, N. Y. Combined credenza and folding bed. 2,484,377, Oct. 11.

Erhard, Ralph: *See*—
Whitney, Eugene C., and Erhard.

Ericson, George R., assignee: *See*—
Coffey, Irven E.

Eskin, Samuel G., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control apparatus for fuel burners. 2,484,406, Oct. 11.

Essig, Thomas E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Control device for interoffice communication systems. 2,484,082, Oct. 11.

Esval, Orland E., Huntington, assignor to The Sperry Corporation, Great Neck, N. Y. Pick-off device for electrical control systems. 2,484,022, Oct. 11.

Etablissements Labinal, assignee: *See*—
Boncompain, Francois.

Eureka Williams Corporation, assignee: *See*—
Osborn, Ralph C.

Ex-Cell-O Corporation, assignee: *See*—
Brinkmann, Guenther.

Eynon, Blaine E., Birmingham, and D. Gustafson, assignors to Eynon-Dakin Company, Detroit, Mich. Oil tube dust cap. 2,484,617, Oct. 11.

Eynon-Dakin Company, assignee: *See*—
Eynon, Blaine E., and Gustafson.

Fall, Wilfrid, Haverford Township, Delaware County, assignor to The Budd Company, Philadelphia, Pa. Railway passenger car. 2,484,786, Oct. 11.

Faulkner, Donald: *See*—
Standinger, Hanns P., and Faulkner.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for measuring harness and intensity of penetrating radiation. 2,484,493, Oct. 11.

Feder, Harold E., Union, N. J. Lawn mower sharpener. 2,484,699, Oct. 11.

Federal Products Corporation, assignee: *See*—
Worthen, John H.

Fenimore, Charles P., Baltimore, and L. P. Kuhn and J. H. Fraser, Havre De Grace, Md. Manufacture of propellants. 2,484,023, Oct. 11.

Fenn, Edward F.: *See*—
Day, George A., and Fenn.

Ferguson, Robert O., Bristol, Tenn. Knee pad. 2,484,494, Oct. 11.

Ferris, Ralph R., Pittsburgh, and J. R. Shirley, Saltsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnet coil. 2,484,212, Oct. 11.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,484,337, Oct. 11.

Fetterman, Oscar B., Washington, D. C. Spring clip for wire fences. 2,484,449, Oct. 11.

Feucht, Albert, Garfield Heights, Ohio, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Lubricator. 2,484,338, Oct. 11.

Field, Oscar S., S. N. Wight and R. W. Hewes, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,484,463, Oct. 11.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Closure. 2,484,083, Oct. 11.

Fischbein, Dave, Minneapolis, Minn. Electric sewing machine. 2,484,495, Oct. 11.

Fish Machinery Corporation, assignee: *See*—
Savrda, Charles M.

Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Dust collector and sludge separator. 2,484,277, Oct. 11.

Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave receiving system. 2,484,618, Oct. 11.

Fisher, Louis S., Miami, Fla. Hot line tie stick. 2,484,278, Oct. 11.

Fisher, Raymond, Baldwinville, Mass. Telephone receiver rest. 2,484,450, Oct. 11.

Fitch, Clyde J., Endicott, and R. N. Eichorn, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Gaseous tube and circuit. 2,484,084, Oct. 11.

Fitzgerald, Edward B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,484,213, Oct. 11.

Fitzsimmons, David P., Trafford, assignor to The Union Switch & Signal Company, Swissvale, Pa. Transmitter for code communication systems. 2,484,700, Oct. 11.

Flynn, Charles A., Jr., Phoebus, Va. Baby rattle. 2,484,159, Oct. 11.

Flynn, Melvin W., San Francisco, Calif. Box head labeler. 2,484,701, Oct. 11.

Folsom, Leon T.: *See*—
Levine, Irving E., and Folsom.

Fois, John M., Borger, Tex., assignor to Phillips Petroleum Company. Method and apparatus for testing corrosion. 2,484,279, Oct. 11.

Folsenlogen, Robert G.: *See*—
Lange, Willy, and Folsenlogen.

Food Machinery and Chemical Corporation, assignee: *See*—
Boyce, John.
Krueger, Frank W.
Mumma, Harold J.

Ford, James G., Sharon, and F. J. Nagel, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making magnetic cores. 2,484,214, Oct. 11.

Fort Howard Paper Company, assignee: *See*—
Agamaite, Edward, Jr.

Foster, Claud: *See*—
French, James W., and Foster.

Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resin compositions. 2,484,215, Oct. 11.

Foster, Newton C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Synthetic resins comprising copolymers of unsaturated metal esters with liquid polymerisable monomers. 2,484,216, Oct. 11.

Foust, Floyd J., O. W. Childress, Jr., and R. C. Wheichel, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition timer testing apparatus. 2,484,560, Oct. 11.

Frank, Raymond W.: *See*—
MacNeille, Martin B., and Frank.

Fraser, Joseph H.: *See*—
Fenimore, Charles P., Kuhn, and Fraser.

Freeman, Samuel, New York, N. Y. Developing tank for developing photographic films. 2,484,378, Oct. 11.

French, James W., and C. Foster, assignors to Barr & Stroud Limited, Glasgow, Scotland. Stereoscopic observation instrument. 2,484,160, Oct. 11.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydration of olefins. 2,484,702, Oct. 11.

Fuhr, Henry, Milwaukee, Wis. Screw-operated vise having vertically adjustable and guided nut-block mounting and guiding a horisontally movable vise jaw. 2,484,339, Oct. 11.

Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Fuel burner for boilers. 2,484,161, Oct. 11.

Fuston, Seth G., Turkey, Tex. Wheel suspension for vehicles. 2,484,280, Oct. 11.

Fyler, George W., Lombard, Ill., assignor to General Electric Company. Modified variometer. 2,484,561, Oct. 11.

Garberding, Waldo L., Chicago, Ill. Latch bolt guard. 2,484,024, Oct. 11.

Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Gas flow apparatus. 2,484,217, Oct. 11.

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Compensated oscillator system. 2,484,562, Oct. 11.

Gardner, Charles E., Queens, N. Y., assignor to Gardner Industrial Associates, Inc., Middlesex, N. J. Making article covers. 2,484,340, Oct. 11.

Gardner, Harry J., Traverse City, Mich. Vegetable cutter. 2,484,281, Oct. 11.

Gardner Industrial Associates, Inc., assignee: *See*—
Gardner, Charles E.

Garner, Lexie H., Newport, N. C. Ring clamp for installing clutch shaft flange rings on a clutch shaft flange. 2,484,025, Oct. 11.

Gastonia Textile Machinery Company, Inc., assignee: *See*—
Barnes, Charlie W., and Cole.

Gay-Bell Corporation, assignee: *See*—
Bell, Harry G. and Gay, Jr.

Gay, Jacob D., Jr.: *See*—
Bell, Harry G. and Gay, Jr.

Gebrke, Forrest B., Flushing, N. Y., assignor to Sylvania Electric Products Inc. Thermionic discharge device. 2,484,703, Oct. 11.

General Aniline & Film Corporation, assignee: *See*—
Beller, Hans.
Hersig, Henry A.
Mayhew, Raymond L.
Roehrl, Bruno C.
Sweet, Monroe H.

General Electric Company, assignee: *See*—
Blewett, John P.
Concordia, Charles, and Dowell.
Custin, Thomas G.
Fyler, George W.
Gardiner, Paul C.
Hayward, Claude D.
Herskind, Carl C., and Mulhern.
Hoare, Stephen C.
Jewell, Richard G.
Livingston, Orrin W.
Minneci, Salvatore.
Nigg, Donald J.
Quinn, Frederic R.
Race, Charles L.
Rich, Theodore A.
Sprung, Murray M.

General Motors Corporation, assignee: *See*—
Brown, Bernard A., and Houck.
Carson, Howard, Geyer, and Light.
Foust, Floyd J., Childress, and Wheichel.
Jude, Pearle T.
Petkwits, Carl F.
Weiser, George L., and Key.

General Railway Signal Company, assignee: *See*—
Field, Oscar S., Wight, and Hewes.
Preston, Neil D., and Hitchcock.

George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Slitting apparatus. 2,484,619, Oct. 11.

Gevaert Photo-Producten N. V., assignee: *See*—
Van de Straete, Leo A.

Geyer, Howard M.: *See*—
Carson, Howard, Geyer, and Light.

Gibson, Henry L., Sr., Nicholls, Ga. Folding crutch. 2,484,406, Oct. 11.

Giffen, Harvey D., El Cajon, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Apparatus for transmitting changes in gauge conditions. 2,484,218, Oct. 11.

Giffin, Otho L., Worcester, Mass. Wire stranding device. 2,484,282, Oct. 11.

Gilbert, Herman W., Forest Hills, and W. Deichmann, Elmont, assignors to Cutting Room Appliances Corporation, New York, N. Y. Sectional cutting table. 2,484,283, Oct. 11.

Gilson, Robert J.: *See*—
White, Adam W., and Gilson.

Girdler Corporation, The, assignee: *See*—
Atwood, Wilfrid L.

Girodat, Edward P., assignor of fifty per cent to P. Hyman, Gull Lake, Saskatchewan, Canada. Pickup assembly. 2,484,704, Oct. 11.

Glassbrook, Clarence I., Swedesboro, and R. C. Hansford, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Process of gelation. 2,484,284, Oct. 11.

Glen, Earl W., assignor to Wingfoot Corporation, Akron, Ohio. Flexible protective cushion for tire chafer area. 2,484,620, Oct. 11.

Glick, Jack, Bronx, assignor to The Gluckin Corporation, New York, N. Y. Detachable frame mounting for brassières. 2,484,219, Oct. 11.

Gluckin Corporation, The, assignee: *See*—
Glick, Jack.

Goldberg, Herman S., Dayton, Ohio. Image projection system for speakers' stands. 2,484,379, Oct. 11.

Golden, David, New York, N. Y. Collapsible carton. 2,484,085, Oct. 11.

Golembeski, Theodore, Everett, Mass. Bait casting plug. 2,484,162, Oct. 11.

Gordon, Thomas E., Jamestown, assignor of fifty per cent to C. A. Kirkpatrick, Williston, N. Dak. Oscillating plow. 2,484,496, Oct. 11.

Goshaw, Irl R., assignee: *See*—
Alburger, James R.

Gosheff, Dragie P., Tampa, Fla. Filler plug and electrolyte level indicator for storage batteries. 2,484,163, Oct. 11.

Grant, Eugene F.: *See*—
Vaughan, Sam G., Grant, Altar, and Dodd.

Grant, John A., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Battery separator. 2,484,787, Oct. 11.

Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Improving the adherence of insulating compounds to metals and products resulting therefrom. 2,484,705, Oct. 11.

Green, Edward, West Moorestown, N. J., assignor to Moss Rose Manufacturing Company, Philadelphia, Pa. Cop retainer for loom shuttles. 2,484,380, Oct. 11.

Greenbaum, Maurice, Detroit, assignor of one-half to W. L. Zopfi, Ferndale, Mich. Bituminous pipe seal. 2,484,407, Oct. 11.

Greenemeyer, John R.: *See*—
Stein, Joseph M., and Greenemeyer.

Gregory, Benjamin F., Kansas City, Mo., assignor, by mesne assignments of one-half to Martha Realty Company. Hydraulic transmission. 2,484,220, Oct. 11.

Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Kneading compaction lug for tamping rollers. 2,484,285, Oct. 11.

Griffin, Kearney P.: *See*—
Lowe, Wesley G., and Griffin.

Griggs, William H., assignor to Eastman Kodak Company, Rochester, N. Y. Bichromate sensitized photographic material. 2,484,451, Oct. 11.

Groppell, Eugene, New Orleans, La. Hatch cover. 2,484,286, Oct. 11.

Grossi, Carlo, Cleveland, Ohio, assignor to E. S. Coughanor. Animal trap. 2,484,452, Oct. 11.

Grover, John C., Jr., Kansas City, Mo., assignor to R. C. Brown, Jr., Highland Park, Ill. Spool for photographic developing tanks. 2,484,341, Oct. 11.

Gulbransen, Earl A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Chemical type power plant for torpedo propulsion. 2,484,221, Oct. 11.

Gulf Research & Development Company, assignee: *See*—
Muskat, Morris, and Coggeshall.

Gunther, James K., Decatur, Ind., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Deodorization and distillation of fats. 2,484,788, Oct. 11.

Gustafson, Donald: *See*—
Eynon, Blaine E., and Gustafson.

Gustitus, Gregory S., assignee: *See*—
Leas, Warren R.

Gustitus, Norbert A., assignee: *See*—
Leas, Warren R.

Gutridge, Hollister W., Worcester, Mass. Game board and playing pieces therefor. 2,484,026, Oct. 11.

Haag, Raymond: *See*—
Brunken, Renke, and Haag.

Haase, Wilbert W., assignor to Wilbert Manufacturers Association, Forest Park, Ill. Burial box. 2,484,707, Oct. 11.

Hach, William: *See*—
Baldwin, Arthur R., and Hach.

Haffey, Bernard P., Lakewood, assignor to B. A. Herren, Bay Village, Ohio. Toolholder. 2,484,027, Oct. 11.

Hagemann, Guy: *See*—
Penau, Henry, and Hagemann.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of substituted lower aliphatic acids. 2,484,497, Oct. 11.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of butyric acid. 2,484,498, Oct. 11.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing ester lactones. 2,484,499, Oct. 11.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of propionic acids by reduction of beta propiono lactones. 2,484,500, Oct. 11.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of enol esters of diketones. 2,484,501, Oct. 11.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Halogenation of polyvinyl alcohol compounds. 2,484,502, Oct. 11.

Halko, William, Vancouver, British Columbia, Canada. Pyrophoric lighter. 2,484,287, Oct. 11.

Hall, Lawrence J., and M. R. Hall, Middletown, N. Y., assignors to Damosel, Inc. Hair curler. 2,484,563, Oct. 11.

Hall, May R.: *See*—
Hall, Lawrence J., and M. R.

Haloid Company, The, assignee: *See*—
Copley, Harold E.

Halphen, Fabio G., Jr., assignee: *See*—
Ingalls, Edgar J.

Halverson, Henry M., Chicago, Ill. Support. 2,484,453, Oct. 11.

Hamer, Frances M., R. J. Rathbone, and B. S. Winton, Harrow, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Polymethin dyes and intermediates. 2,484,503, Oct. 11.

Hamm, Douglas W., assignor to Muskegon Piston Ring Company, Muskegon, Mich. Steel piston ring. 2,484,288, Oct. 11.

Hammarsjö, Erik A., assignor to Elfon & Co Ltd Aktiebolag, Stockholm, Sweden. Apparatus for use in attaching soles to the uppers of boots and shoes. 2,484,289, Oct. 11.

Hanby, Oscar H., Grandview, Wash. Can opener. 2,484,504, Oct. 11.

Handel, Stanley T., Essex, Conn. Device for feminine hygiene. 2,484,290, Oct. 11.

Hansel, Carl W., Bedford, England. Optical projection apparatus for daylight projection and demonstration. 2,484,505, Oct. 11.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation, High-frequency bridge circuit. 2,484,028, Oct. 11.

Hansford, Rowland C.: *See*—
Glassbrook, Clarence I., and Hansford.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Addition products of carbon bisulfide and amino-methylene-naphthols. 2,484,621, Oct. 11.

Harnischfeger Corporation, assignee: *See*—
Burdick, Will S., and Jacobs.

Harrison, Elmer P., assignor to Reconstruction Finance Corporation, Chicago, Ill. Steam heating system. 2,484,086, Oct. 11.

Hart, Stephen V., Indianapolis, Ind., assignor to Radio Corporation of America. Relay control circuits. 2,484,342, Oct. 11.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Blok, Lourens.
Prakke, Frits, Keeman, and Rodenhuis.
Van Heeckeren, Willem J.
Van Zwet, Willem L. C.

Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor follow-up system. 2,484,790, Oct. 11.

Hartman, Elmer C., assignor to Taylor Instrument Companies, Rochester, N. Y. Flow diversion valve. 2,484,622, Oct. 11.

Hartmann, Max, and J. Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrazine derivatives of pyridazine compounds. 2,484,029, Oct. 11.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of dichlorothiophene. 2,484,706, Oct. 11.

Harvey, Douglass C.: *See*—
Quigley, John L., and Harvey.

Hastings, Charles E., Hampton, Va., and H. H. Ricker, Jr., Philadelphia, Pa. Electrical defectometer. 2,484,030, Oct. 11.

Hathaway, Claude M., Denver, Colo. Electromagnetic strain gauge. 2,484,164, Oct. 11.

Hathaway, Claude M., Denver, Colo. Accelerometer. 2,484,165, Oct. 11.

Hauf, George F., River Forest, Ill. Construction of irrigation pipes and flexible pipe joints therefore. 2,484,087, Oct. 11.

Haughton Elevator Company, The, assignee: *See*—
Borden, Joseph H.

Hauswald, John P., Baltimore, Md. Bread loaf fractionating apparatus. 2,484,222, Oct. 11.

Havrenius, Hilding, Jonkoping, Sweden. Drain trap. 2,484,031, Oct. 11.

Hawes, George E., Bridgeport, Conn. Animated decorative device simulating a bird or the like. 2,484,343, Oct. 11.

Hawk, Elwin A., East Rochester, Ohio. Apparatus for measuring and controlling pug mill output. 2,484,506, Oct. 11.

Hayes, Dale A., Springfield, Ill. Testing and operating table for fowls. 2,484,088, Oct. 11.

Haynes, Harold E., Audubon, N. J., assignor to Radio Corporation of America. Motor speed control. 2,484,089, Oct. 11.

Hays, Russell R., Lawrence, Kans. Wind rotor. 2,484,291, Oct. 11.

Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Reverse current electromagnetic trip device. 2,484,564, Oct. 11.

Hazeltine Research, Inc., assignee: *See*—
Beis, Basil A.
Sturm, Rudolf E.

Healy, Francis P., assignor to Van Norman Company, Springfield, Mass. Work supporting cradle for grinding machines. 2,484,708, Oct. 11.

Heath, Alton B., Tipton, Ind. Apparatus for trenching. 2,484,709, Oct. 11.

Hedfield, Reynold T., Madison, Wis. Multiple-capacity spool. 2,484,090, Oct. 11.

Heifner, Wilbert G., Denver, Colo. Folding seat. 2,484,454, Oct. 11.

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thickness measurement. 2,484,623, Oct. 11.

Henriet, Pierre M. E.: *See*—
Cahen, Francois M., Chevallier, and Henriet.

Henshaw, William M., London, Ontario, Canada. Fishing rod handle. 2,484,223, Oct. 11.

Herbert, Sidney J.: *See*—
Thorpe, James W., Bussell, and Herbert.

Hercules Powder Company, assignee: *See*—
Bried, Edward A.

Herdle, Lloyd E., and E. L. Perkins, assignors to Eastman Kodak Company, Rochester, N. Y. Continuously esterifying celiulose. 2,484,455, Oct. 11.

Herman Pneumatic Machine Company, assignee: *See*—
Renkenberger, Tirzah A.

Hermanson, Kenneth H., Minneapolis, Minn. Dual fireplace heater. 2,484,292, Oct. 11.

Herren, Bernard A., assignee: *See*—
Haffey, Bernard P.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic relay mechanism. 2,484,224, Oct. 11.

Herskind, Carl C., and M. J. Mulhern, Schenectady, N. Y., assignors to General Electric Company. Electric valve excitation and control circuit. 2,484,565, Oct. 11.

Hertel, Kenneth L., assignor to University of Tennessee Research Corporation, Knoxville, Tenn. Controlling fluid flow through restricted conduits. 2,484,507, Oct. 11.

Hernig, Henry A., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Incorporating light sealing material in film cartridge during molding. 2,484,225, Oct. 11.
Hester, William F.: *See*—
Craig, W. E., and Hester.
Hewes, Ralph W.: *See*—
Field, Oscar S., Wight, and Hewes.
Higgins, John T.: *See*—
Johnson, Arthur B., and Higgins.
Hill, Francis A., 2nd.: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.
Hill, Julia D.: *See*—
Snow, Howard, and Hill.
Hill, Julian W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organodistannonic acids. 2,484,508, Oct. 11.
Hill Laboratory, Myron F. Hill, Proprietor, assignee: *See*—
Hill, Myron F., F. A. Hill, 2nd, and Chapin.
Hill, Myron F., and F. A. Hill, 2nd, Westport, and J. L. Chapin, Jr., Wilton, assignors to Hill Laboratory, Myron F. Hill, Proprietor, Westport, Conn. Variable displacement pump and motor. 2,484,789, Oct. 11.
Hiller, Robert W., Emsworth, and W. L. Davidson, Bellevue, assignors to Dravo Corporation, Pittsburgh, Pa. Tape applying iron. 2,484,566, Oct. 11.
Hiller, Stanley, and S. Hiller, Jr., Berkeley, Calif. Die casting machine. 2,484,344, Oct. 11.
Hiller, Stanley, Jr.: *See*—
Hiller, Stanley, and S. Hiller, Jr.
Hinchliff, Ralph, assignor to Burson Knitting Company, Rockford, Ill. Composite textile article. 2,484,293, Oct. 11.
Hins, Henry E., Maywood, Ill. Television tube support. 2,484,345, Oct. 11.
Hirshfield, Stella J., New York, N. Y. Outdoor reflecting lamp. 2,484,091, Oct. 11.
Hitchcock, Forest B.: *See*—
Preston, Neil D., and Hitchcock.
Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Direct-current measuring instrument. 2,484,567, Oct. 11.
Hoe, R., & Co. Inc., assignee: *See*—
Turrall, George, and Skinner.
Holden, William H. T.: *See*—
Dehn, Joseph W., and Holden.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating circuit. 2,484,226, Oct. 11.
Holm, Axel M., Moline, Ill. Die structure. 2,484,082, Oct. 11.
Hoover Company, The, assignee: *See*—
White Adam W., and Gilson.
Hopgood, Roy C., Glen Ridge, N. J. Remote-control adapter. 2,484,092, Oct. 11.
Hopkins, Robert C., Alliance, Ohio. Cylinder and concave mill with toothed cooperating surfaces. 2,484,509, Oct. 11.
Hopwood, John A., Westfield, N. J. Double seal milk can. 2,484,624, Oct. 11.
Horstman, Clifford C.: *See*—
Nagel, Frits J., and Horstman.
Houck, Hooper J.: *See*—
Brown, Bernard A., and Houck.
Houghtaling, Lester R., Yonkers, assignor to Wheeldex Manufacturing Co., Inc., New York, N. Y. Brake mechanism for rotary files. 2,484,033, Oct. 11.
Houghton, E. F., & Co., assignee: *See*—
Barber, Sidney J., and Eaton.
Houk, Ernest J., Los Angeles, and L. A. Strottner, Inglewood, Calif. Boat seat forming hand truck for handling outboard motors. 2,484,227, Oct. 11.
Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic recorder method and means. 2,484,568, Oct. 11.
Hubley, Claude F., Utica, N. Y. French horn. 2,484,408, Oct. 11.
Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,484,093, Oct. 11.
Humphlett, Wilma D., Agawam, assignor to Malone Knitting Company, Springfield, Mass. Children's undergarment. 2,484,710, Oct. 11.
Huston, Milton D., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Electric motor. 2,484,166, Oct. 11.
Hutchison, Miller B., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,484,510, Oct. 11.
Huye, Charlotte, legatee: *See*—
Huye, Joseph G.
Huye, Joseph G., deceased; C. and M. Huye, legatees by judgment of possession, assignors to Huye Space Saving Box System, Inc., New Orleans, La. Hat packing stay. 2,484,167, Oct. 11.
Huye, Merle, legatee: *See*—
Huye, Joseph G.
Huye Space Saving Box System, Inc., assignee: *See*—
Huye, Joseph G.
Hyman, Phillip, assignee: *See*—
Girodat, Edward P.
Illinois Tool Works, assignee: *See*—
Baumle, Rudolf K. F.
Poupitch, Ougljesa J.
Indiana Steel Company, The, assignee: *See*—
Howell, Hugh A.
Induction Heating Corp., assignee: *See*—
Molloy, Patrick F.
Ingalls, Edgar J., Zachary, assignor of fifty per cent to F. G. Halphen, Jr., Baton Rouge, La. Centrifugal rotary lawn mower blade. 2,484,511, Oct. 11.
Ingelström, Ernst B.: *See*—
Zandelin, Frits G., and Ingelström.
Ingersoll-Rand Company, assignee: *See*—
Le Valley, John.
Ingram, Orville, Washington, D. C. Drop end gondola car. 2,484,512, Oct. 11.
International Business Machines Corporation, assignee: *See*—
Dickinson, Arthur H.
Fitch, Clyde J., and Eichorn.
Mills, Albert W.
Page, Ralph E., Beattie, and Daly.
Palmer, Ralph L., and Phelps.
Paris, Robert E.
International Sales Company, assignee: *See*—
Marble, Harold A.
International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Iorns, Martin E., Los Angeles, Calif. Wheel support and carrier attachment for transporting boats. 2,484,346, Oct. 11.
Isay, Rudolf, Caviana, Brazil. Corn shelling machine with adjustable concave. 2,484,228, Oct. 11.
Isbister, Eric J., Garden City, N. Y., assignor to The Sperry Corporation. Interval measuring system. 2,484,034, Oct. 11.
Isom, Warren R.: *See*—
Kellogg, Edward W., and Isom.
Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.
Iversen, Lorens, assignor to Mesta Machine Company, Pittsburgh, Pa. Fluid operated strip guide. 2,484,347, Oct. 11.
Jachimiec, Teddy, Chicago, Ill. Gun stock. 2,484,168, Oct. 11.
Jack & Heints Precision Industries, Inc., assignee: *See*—
Bousky, Samuel.
Jackson, Andrew H., Opportunity, Wash. Caster brake. 2,484,094, Oct. 11.
Jackson, Hagan L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulsed oscillator. 2,484,229, Oct. 11.
Jackson, Norman M., assignor of one-half to W. Johnson, Washington, D. C. Coin-controlled switch. 2,484,711, Oct. 11.
Jacobs, Henry S.: *See*—
Burdick, Will S., and Jacobs.
Jameson, William, Chicago, Ill. Shovel structure and support therefor. 2,484,409, Oct. 11.
Janes, Andrew J., Chicago, Ill. Floating brake shoe mounting. 2,484,410, Oct. 11.
Jean, Gerald L., Wells Beach, Maine. Drawing board. 2,484,294, Oct. 11.
Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.
Jewell, Richard G., Swampscott, Mass., assignor to General Electric Company. Self-positioning circuit balancing telemeter receiver. 2,484,569, Oct. 11.
Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Molding machine. 2,484,712, Oct. 11.
Johns-Manville Corporation, assignee: *See*—
De Witt, Walter M., Sr., and Cumming.
Johnson, Arthur B., Berkeley, and J. T. Higgins, Richmond, assignors to California Research Corporation, San Francisco, Calif. Purification of carbonyl sulfide contaminated hydrocarbon gases. 2,484,381, Oct. 11.
Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,484,570, Oct. 11.
Johnson, J. Garth, Bound Brook, N. J., assignor to Ortho Pharmaceutical Corporation. Trichomonadicidal therapeutic composition. 2,484,035, Oct. 11.
Johnson, John C., East Hempstead, assignor of one-half to W. H. Johnson, Kings Point, N. Y. Conveyer apparatus for use in the assembly of closure caps. 2,484,095, Oct. 11.
Johnson & Johnson, assignee: *See*—
Morgan, Burton D.
Wing, Henry J.
Johnson, Walter, assignee: *See*—
Jackson, Norman M.
Johnson, Walter H., assignee: *See*—
Johnson, John C.
Jones, Harry T., assignor of one-half to E. Summers, Corpus Christi, Tex. Wheel clamp. 2,484,169, Oct. 11.
Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Compressor for filing devices. 2,484,713, Oct. 11.
Jones & Lamson Machine Company, assignee: *See*—
Lewis, Robert E.
Jones & Laughlin Steel Corporation, assignee: *See*—
Kent, Frank T.
Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plane-landing catapult. 2,484,230, Oct. 11.

Jozefowicz, Ignacy, Kenosha, Wis. Combined dead bolt and latch bolt lock. 2,484,571, Oct. 11.
Jude, Pearle T., Minneapolis, Minn., assignor to General Motors Corporation, Dayton, Ohio. Frozen food plant. 2,484,572, Oct. 11.
Kachin, Theodore: *See*—
Munger, Thornton T., and Kachin.
Kahler, George V., and E. Ruede, New York, N. Y. Musical supporting arrangement. 2,484,411, Oct. 11.
Kalart Company, Inc., The, assignee: *See*—
Castedello, William.
Kammerer, Charles J., Millburn, and A. N. MacKinnon, Tenafly, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Sand blasting machine. 2,484,625, Oct. 11.
Kapp, Charles F., Verona, Pa. Tire chain clip. 2,484,714, Oct. 11.
Kauke, John R., Washington, D. C. Magnetostriction hydrophone. 2,484,036, Oct. 11.
Kay, Byron M.: *See*—
McClain, Ed, and Kay.
Kay, Murray, New York, N. Y. Kite. 2,484,096, Oct. 11.
Keel, James M., Birmingham, Ala. Making real estate charts. 2,484,412, Oct. 11.
Keeman, Willem: *See*—
Prakke, Frits, Keeman, and Rodenhuis.
Keller, Arthur C., Bronxville, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromechanical transducer. 2,484,626, Oct. 11.
Keller, Ernst, and F. Roggen, Zurich, Switzerland. Magnetic transducer with wear-resistant guide surfaces. 2,484,097, Oct. 11.
Keller, Robert, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electrical primary regulator. 2,484,513, Oct. 11.
Kelley Island Lime and Transport Company, The, assignee: *See*—
Dickey, Ralph L., and Beatty.
Kellogg, Edward W., Haddonfield, and W. R. Isom, West Collingswood, N. J., assignors to Radio Corporation of America. Claw pull-down mechanism. 2,484,348, Oct. 11.
Kellogg, M. W., Company, The, assignee: *See*—
Ashton, Everett H., Mallard, and Mastriani.
Rinne, John.
Kelly, Daniel A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Leather drying unit. 2,484,349, Oct. 11.
Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.
Kendall Company, The, assignee: *See*—
Martin, John B.
Kennedy, Dewey M., Rochester, N. Y. Supporting stand and shelf. 2,484,382, Oct. 11.
Kent, Frank T., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Free cutting bessemer steel. 2,484,231. Oct. 11.
Kenyon, William O.: *See*—
Minsk, Louis M., and Kenyon.
Reynolds, Delbert D., and Kenyon.
Kerslake, Harry, Pomona, Fla. Micrometer lock. 2,484,170, Oct. 11.
Key, Don E.: *See*—
Weiser, George L., and Key.
Kezer, Charles F., assignor to The Glenn L. Martin Company, Middle River, Md. Motion and position control device. 2,484,573, Oct. 11.
Kilgore, Helen F., assignee: *See*—
Kilgore, Lowell B.
Kilgore, Lowell B., assignor, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted oxyacetamide compounds and insect control compositions. 2,484,295, Oct. 11.
Kilgore, Lowell B., assignor, by mesne assignments, to L. B. and H. F. Kilgore, Washington, D. C. N-substituted oxyacetamides. 2,484,296, Oct. 11.
King, Alexander S., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atomizing structure. 2,484,037, Oct. 11.
King, Victor L., Bound Brook, and E. H. Bart, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Purification of N-substituted sulfanilamides. 2,484,791, Oct. 11.
Kirkpatrick, Cletus A., assignee: *See*—
Gordon, Thomas F.
Kirlin, Otis M., Detroit, Mich. Speedometer attachment. 2,484,038, Oct. 11.
Kleckner, Albert L.: *See*—
Craige, Arthur H., Jr., and Kleckner.
Klein, Theodore E., Cranford, N. J. Apparatus for freezing food. 2,484,297, Oct. 11.
Klink, Leon F., Medford, Oreg. Cryptogram machine. 2,484,171. Oct. 11.
Knapp-Monarch Company, assignee: *See*—
Kochner, William B.
Knoll, Alvin H., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Bar soap manufacture. 2,484,098, Oct. 11.
Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Valve structure for aerating bottles or the like. 2,484,232. Oct. 11.
Koeppe, Alvern E., Grand Forks, N. Dak. Aircraft rotor and control thereof. 2,484,099, Oct. 11.
Kohout, Eugene A., Miami, Fla. Necktie clasp. 2,484,172, Oct. 11.
Kosak, Alvin I.: *See*—
Hartough, Howard D., and Kosak.
Kouril, Frank, Jr., Springfield, Mass. Fence. 2,484,413, Oct. 11.
Krahulec, Fred, Skokie, assignor to A. C. Nielsen Company, Chicago, Ill. Stylus for graphic recording. 2,484,298, Oct. 11.
Kramer, Daniel, Cleveland Heights, Ohio. Motion-picture reel. 2,484,100, Oct. 11.
Krueger, Frank W., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Container and closure. 2,484,039, Oct. 11.
Krueger, Frank W., Atherton, Calif., assignor to Food Machinery and Chemical Corporation. Feed and discharge mechanism for container handling machines. 2,484,101, Oct. 11.
Krumhansl, James A.: *See*—
Miller, Glenn H., and Krumhansl.
Kuhn, Lester P.: *See*—
Fenimore, Charles P., Kuhn, and Fraser.
L. G. S. Spring Clutch Corporation, assignee: *See*—
Pepper, Carl P.
Labrum, Ervin D., Seattle, Wash. System for timing exposure interval of photographic prints. 2,484,299, Oct. 11.
Lamb & Chapin, Incorporated, assignee: *See*—
Lamb, Clyde K.
Lamb, Clyde K., assignor, by mesne assignments, to Lamb & Chapin, Incorporated, Cleveland, Ohio. Obstruction lighting structure. 2,484,350, Oct. 11.
Lane, Abbot A., Glen Ridge, N. J. Safety control apparatus for gas burners. 2,484,301, Oct. 11.
Lane, Guy M., and H. G. Thunder, assignors to Motor Products Corporation, Detroit, Mich. Ventilator window assembly. 2,484,514, Oct. 11.
Lange, Willy, Cincinnati, and R. G. Folsenlogen, Columbia Township, Hamilton County, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of carotene concentrate. 2,484,040, Oct. 11.
Laverents, Sidney N., San Diego, Calif. Double-action bass drum pedal. 2,484,302, Oct. 11.
Lazier, Wilbur A.: *See*—
Mattocks, Albert M., Jr., and Lazier.
Leary, Edward J., San Francisco, Calif. Lifting device. 2,484,041, Oct. 11.
Leas, Warren R., Pittston, assignor to G. S. and N. A. Gustitus, Forty Fort, Pa. Swinging swivel. 2,484,173, Oct. 11.
Lee, Abe, Utica, N. Y. Assembling the cylinders of a radial engine. 2,484,516, Oct. 11.
Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Brake mechanism for rail cars. 2,484,715, Oct. 11.
Lee, Robert E., Los Angeles, Calif. Instrument supporting device. 2,484,383, Oct. 11.
Lee, Thomas E., Decatur, Ga. Ropemaking machine. 2,484,303, Oct. 11.
Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Toy pump gun. 2,484,515, Oct. 11.
Lehr, David, New York, N. Y. Therapeutic sulfonamide compositions. 2,484,174, Oct. 11.
Lehr, David, New York, N. Y. Therapeutic sulfonamide compositions. 2,484,175, Oct. 11.
Leiman, Marcel J., Brooklyn, N. Y. Diamond polishing adjusting device. 2,484,574, Oct. 11.
Lennox, Eva M., Hartford, Conn. Holder for and package of dental articles. 2,484,627, Oct. 11.
Le Roi Company, assignee: *See*—
Feucht, Albert.
Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Valve seat. 2,484,102, Oct. 11.
Le Valley, John, Painted Post, assignor to Ingersoll-Rand Company, New York, N. Y. Valve. 2,484,628, Oct. 11.
Levine, Irving E., and L. T. Folsom, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Polymerization process. 2,484,384, Oct. 11.
Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,484,716, Oct. 11.
Lewis, Robert E., Chicago, Ill., assignor, by mesne assignments, to Jones & Lamson Machine Company, Springfield, Vt. Projection comparator for objects in relation to spaced drawings or reticles. 2,484,103, Oct. 11.
Light, James W.: *See*—
Carson, Howard, Geyer, and Light.
Linde Air Products Company, The, assignee: *See*—
Scherl, Egon B.
Lindemann, Gilbert H., Muncie, Ind. Body construction and door seal. 2,484,176, Oct. 11.
Lingal, Harry J., Wilkinsburg, and T. R. Watts, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-voltage bushing. 2,484,233, Oct. 11.
Lippert, Hanns, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Cartridge feed device for automatic firearms. 2,484,104, Oct. 11.
Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.

Livingston, Orrin W., Scotia, N. Y., assignor to General Electric Company. Phase controlled switching system. 2,484,575, Oct. 11.

Loane, Clarence M.: *See*—
Watson, Roger W., and Loane.

Loehr, Ewald and E. G. Sprink, Milwaukee, Wis. Door check. 2,484,717, Oct. 11.

Logsdon, Clyde, Carthage, Mo. Heating apparatus. 2,484,517, Oct. 11.

Long, William C., Paulsboro, and H. O. Button, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Dewaxing oil and continuous rotary filter therefor. 2,484,304, Oct. 11.

Lott, William A., Maplewood, and W. Braker, Newark, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. 2-sulfanilamido-4-alkoxymethyl-6-methylpyrimidines and their preparation. 2,484,629, Oct. 11.

Lowe, Wesley G., and K. P. Griffin, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing photographic emulsions. 2,484,456, Oct. 11.

Lynch Manufacturing Corporation, assignee: *See*—
Alberti, Karl.

Maas-Rowe Electromusic Corporation, assignee: *See*—
Rowe, Paul H.

MacCreadie, William T., Lewisburg, assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa. Wire rope making machine. 2,484,178, Oct. 11.

MacCreadie, William T., Lewisburg, assignor, by mesne assignments, to Sunbury Wire Rope Manufacturing Company, Sunbury, Pa. Wire rope manufacturing machine. 2,484,179, Oct. 11.

Machine Tool Works Oerlikon, Administration Company, assignee: *See*—
Lippert, Hanns.

MacKinnon, Andrew N.: *See*—
Kammerer, Charles J., and MacKinnon.

MacNeille, Martin B., and R. W. Frank, assignors to A. Y. McDonald Manufacturing Co., Dubuque, Iowa. Ejector pump. 2,484,105, Oct. 11.

Magee, Kenneth L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Sickle guard. 2,484,630, Oct. 11.

Magnusen Ralph W.: *See*—
Ariaman, Mervin B., Vaksvik, and Magnusen.

Mahan, Jeanne P., Pittsburgh, Pa. Musical eating bowl. 2,484,414, Oct. 11.

Mahler, Paul, New York, N. Y., assignor to Publicker Industries Inc. Halogenation of aliphatic conjugated diolefines. 2,484,042, Oct. 11.

Maier, Wellington W., Mio, Mich. Bending device comprising hinged bending leaves with removable work-clamping leaf. 2,484,518, Oct. 11.

Maldonado, Juvencio, New York, N. Y. Container for tortillas and other heated food. 2,484,631, Oct. 11.

Malen, Jarly C., United States Navy. Pulling and pushing device. 2,484,043, Oct. 11.

Mallard, Robert G.: *See*—
Ashton, Everett H., Mallard, and Mastriani.

Mallina, Rudolph F., Hastings on Hudson, assignor to Aeronautical Research Corporation, New York, N. Y. Mechanical page turner. 2,484,106, Oct. 11.

Mallory, P. R., & Co., Inc., assignee: *See*—
Booe, James M.
Essig, Thomas E.
Huetten, Clarence.

Malm, Carl J., and L. M. D. Bearden, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of polyvinyl dicarboxylic acid esters. 2,484,415, Oct. 11.

Malone Knitting Company, assignee: *See*—
Humphlett, Wilma D.

Maloney-Crawford Tank & Manufacturing Co., assignee: *See*—
Candler, Arthur V. B.

Mapes, Elsworth E., and R. E. Cox, Mena, Ark. Hydraulic brake safety device. 2,484,177, Oct. 11.

Marble, Harold A., Millbrae, assignor to International Sales Company, San Francisco, Calif. Wall-type fuel burning heater. 2,484,457, Oct. 11.

Marino, Joseph: *See*—
Eramo, Helen, Marino, and Eramo.

Maron, Meyer, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Oscillograph circuit to modulate a signal. 2,484,107, Oct. 11.

Marsh, John L., North Tonawanda, N. Y. Beading machine. 2,484,632, Oct. 11.

Martha Realty Company, assignee: *See*—
Gregory, Benjamin F.

Martin, Andrew J., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Rearrangement and alcoholysis of nitrosyl chloride-isobutylene adduct. 2,484,633, Oct. 11.

Martin, Glenn L., Company, The, assignee: *See*—
Keser, Charles F.

Martin, Graham R., Montreal, Quebec, Canada. Coating surfaces with boron. 2,484,519, Oct. 11.

Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. Methyl oxyfolic acid. 2,484,634, Oct. 11.

Martin, John B., Glen Ellyn, Ill., assignor to The Kendall Company, Boston, Mass. Adhesive tape and composition therefor. 2,484,416, Oct. 11.

Martin, Mervin E., L. G. Reed and J. L. Thomas, Cumberland, Md., assignors to Celanese Corporation of America. High clarity cellulose esters. 2,484,108, Oct. 11.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,484,635, Oct. 11.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation system. 2,484,636, Oct. 11.

Mastriani, Elvin A.: *See*—
Ashton, Everett H., Mallard, and Mastriani.

Mathieson Chemical Corporation, assignee: *See*—
Schaefter, Benjamin B.

Mathis, William R., Tampa, Fla. Constructing girders and ceilings. 2,484,520, Oct. 11.

Mattocks, Albert M., Jr., and W. A. Lazier, assignors to Southern Research Institute, Birmingham, Ala. Powdered ointment base of methyl cellulose and sorbitol. 2,484,637, Oct. 11.

May, Patrick J., San Francisco, Calif. Baffle type muffler with retroverted flow. 2,484,521, Oct. 11.

May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Selective control device for radio apparatus and the like. 2,484,638, Oct. 11.

Mayer, Henry, Athens, Ga. Hosiery. 2,484,522, Oct. 11.

Mayhew, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparing a sulfur containing phthalocyanine dyestuff. 2,484,300, Oct. 11.

Mayland, Bertrand J., and E. E. White, Bartlesville, Okla., assignors to Phillips Petroleum Company. Separation of unsaturated aliphatic hydrocarbons from more saturated aliphatic hydrocarbons. 2,484,305, Oct. 11.

Mazurek, John J., assignee: *See*—
Turgeon, Edmond.

McClain, Ed, deceased, Langley, Okla., by J. M. McClain, administratrix, Tulsa, and B. M. Kay, Disney, Okla. Artificial respirator. 2,484,306, Oct. 11.

McClain, Joyce M., administratrix: *See*—
McClain, Ed, and Kay.

McClellan, William R., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polyamide filaments. 2,484,523, Oct. 11.

McCollum, Henry J. D., deceased, Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fluid fuel burning internal-combustion air heater. 2,484,385, Oct. 11.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McConnell, Max L., Portland, Oreg. Thermostat valve. 2,484,180, Oct. 11.

McCullar, David F., Townley, Ala. Rural mailbox. 2,484,718, Oct. 11.

McCutcheon, Robert J.: *See*—
Cheyney, La Verne E., and McCutcheon.

McDaniel, Eskel J., and A. R. Summers, St. Louis, Mo. Shoe last. 2,484,351, Oct. 11.

McDonald, A. Y., Manufacturing Co., assignee: *See*—
MacNeille, Martin B., and Frank.

McDowell, Willameta B., administratrix: *See*—
Byers, William B.

McGuire, Lee, Lexington, Ky. Rack for phonograph records. 2,484,719, Oct. 11.

McKim, Burton, East Orange, N. J., and J. L. Merrill, Jr., Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system arranged for voice frequency signaling. 2,484,234, Oct. 11.

Mead, Esra B., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Inclined drum poultry picker. 2,484,235, Oct. 11.

Mead, Esra B., assignor to Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry picker with variable length fingers. 2,484,236, Oct. 11.

Mease, Ralph A., East St. Louis, Ill. Saw filing guide. 2,484,417, Oct. 11.

Meinecke, Helmuth A., Grosse Pointe, Mich. Valve mechanism. 2,484,109, Oct. 11.

Mercier, Jean, New York, N. Y. Oleopneumatic storage device. 2,484,418, Oct. 11.

Merrill, Josiah L., Jr.: *See*—
McKim, Burton, and Merrill.

Mesta Machine Company, assignee: *See*—
Iversen, Lorenz.

Mestitz, Ervin, Llandaff, Cardiff, Wales. Electric timing relay. 2,484,110, Oct. 11.

Metals and Controls Corporation, assignee: *See*—
Moorhead, John O.

Metzger, Robert M., Portsmouth, N. H. Chin-operated diving apparatus. 2,484,044, Oct. 11.

Meussdorffer, Arthur R., North Hollywood, Calif., assignor to Robbins & Myers, Inc., Springfield, Ohio. Motor rotor. 2,484,386, Oct. 11.

Michelsen, William O.: *See*—
Veltman, John C., and Michelsen.

Miller, Donald G., Reno, Nev. Pump. 2,484,387, Oct. 11.

Miller, Glenn H., Rochester, and J. A. Krumhansl, Penfield, N. Y., assignors to Stromberg-Carlson Company. Pulse length discriminator. 2,484,352, Oct. 11.

Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record perforating machine. 2,484,111, Oct. 11.

Miner, John D., Jr., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,484,237, Oct. 11.

Miner, Samuel S., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Vulcanising mechanism. 2,484,419, Oct. 11.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Allwein, Aloysius F.
Eckman, Donald P.
Hartig, Henry E.
Side, Frederick W.
Spangenberg, Charles B.
Wills, Walter P., and Stanton.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Interphase winding and ratio adjuster switching arrangement for polyphase transformers. 2,484,576, Oct. 11.

Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing quaternised salts of resinous organic polymers containing a basic tertiary nitrogen atom. 2,484,420, Oct. 11.

Missouri Automatic Control Corporation, assignee: *See*—
Bader, James B.

Modrey, Henry J., West Orange, assignor to Modrey Patents Corporation, County of Essex, N. J. Combined locating pin and clamp. 2,484,458, Oct. 11.

Modrey Patents Corporation, assignee: *See*—
Modrey, Henry J.

Moehl, Reno W.: *See*—
Webb, Glenn M., and Moehl.

Molins Machine Company Limited, assignee: *See*—
Dearsley, George.

Molloy, Patrick F., Long Island, assignor to Induction Heating Corp., New York, N. Y. Induction heating apparatus. 2,484,238, Oct. 11.

Mollring, Gilman B., Los Angeles, Calif. Making binary asphaltic particles. 2,484,792, Oct. 11.

Monarch Manufacturing Works, Inc., assignee: *See*—
Murphy, Thomas W.

Monroe Auto Equipment Company, assignee: *See*—
Nickelsen, John M., and Read.

Monsanto Chemical Company, assignee: *See*—
Bowe, Leon E.
Scott, Milton J.

Montalbano, Anthony, Baton Rouge, La. Foot-power propeller. 2,484,720, Oct. 11.

Moon, Richard H. and R. W., Milwaukee, Wis. Garden grill. 2,484,239, Oct. 11.

Moon, Robert W.: *See*—
Moon, Richard H. and R. W.

Moore, Mark T., Kearney, Nebr. Electric arc welding apparatus. 2,484,421, Oct. 11.

Moorhead, John O., assignor to Metals and Controls Corporation, Attleboro, Mass. Time-delay circuit controller. 2,484,112, Oct. 11.

Morell, Donald C., assignee: *See*—
Turgeon, Edmond.

Morgan, Burton D., Fords, N. J., assignor to Johnson & Johnson. Surgical dressing. 2,484,045, Oct. 11.

Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Morris, Sheldon J., assignee: *See*—
Dingley, John C.

Morrison, Willard L., Lake Forest, Ill. Nested cylinder cooler. 2,484,307, Oct. 11.

Morthland, Glenn A., Los Angeles, Calif. Shower pan construction. 2,484,240, Oct. 11.

Morton, Henry E., Muskegon, and H. B. Clark, Muskegon Heights, Mich. Metal trimming machine. 2,484,353, Oct. 11.

Moseley, Francis L., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency and speed stabilising system. 2,484,639, Oct. 11.

Moss, Hilary, assignor to A. C. Cossar Limited, London, England. Electrode gun such as is used in cathode-ray tubes. 2,484,721, Oct. 11.

Mossberg, O. F., & Sons, Inc., assignee: *See*—
Benson, Carl H.

Moss Rose Manufacturing Company, assignee: *See*—
Green, Edward.

Motor Products Corporation, assignee: *See*—
Lane, Guy M., and Thunder.

Mueller Co., assignee: *See*—
Smith, John J.

Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vibration damper for dynamoelectric machines. 2,484,241, Oct. 11.

Mulhern, Marvin J.: *See*—
Herskind, Carl C., and Mulhern.

Mullen, Thomas W.: *See*—
Beatty, Horatio E., and Mullen.

Mumma, Harold J., Los Angeles, Calif., assignor to Food Machinery and Chemical Corporation. Counter mechanism. 2,484,113, Oct. 11.

Munger, Thornton T., and T. Kachin, Portland, Oreg., dedicated to the free use of the People in the territory of the United States. Multiple-spur tree climber. 2,484,181, Oct. 11.

Munk, Max M., Cottage City, Md. Propeller containing diagonally disposed fibrous material. 2,484,308, Oct. 11.

Murphy, Thomas W., Narberth, assignor to Monarch Manufacturing Works, Inc., Philadelphia, Pa. Double orifice solid cone spray nozzle. 2,484,577, Oct. 11.

Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Detecting mud films on exposed rock strata. 2,484,422, Oct. 11.

Muskegon Piston Ring Company, assignee: *See*—
Hamm, Douglas W.

Mustard, James A., assignor to The Parker Pen Company, Janesville, Wis. Mechanical pencil. 2,484,640, Oct. 11.

Nagel, Fritz J.: *See*—
Ford, James G., and Nagel.

Nagel, Fritz J., Homewood, and C. C. Horstman, Sharpsville, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating ferrous metal sheets with an insulating film. 2,484,242, Oct. 11.

Nash-Kelvinator Corporation, assignee: *See*—
Philipp, Lawrence A.

Nathan Manufacturing Company, assignee: *See*—
Angel, Charles M., and Culbertson.

National Broach & Machine Company, assignee: *See*—
Austin, Donald D., Sr.

National Drug Company, The, assignee: *See*—
Martin, Gustav J., and Urist.

National Organ Supply Company, assignee: *See*—
Roehrl, Bruno C.

New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.

Newman, Max M., New York, N. Y. Necktie construction. 2,484,182, Oct. 11.

Nickelsen, John M., Ann Arbor, and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Spring seat construction. 2,484,722, Oct. 11.

Nielsen, A. C., Company, assignee: *See*—
Krahulec, Fred.
Rahmel, Henry A.
Rahmel, Henry A., and Bentley, II.

Nielsen, Robert A., Copenhagen, Denmark. Drilling machine for the simultaneous drilling of three holes. 2,484,243, Oct. 11.

Nigg, Donald J., Syracuse, N. Y., assignor to General Electric Company. Tube mounting. 2,484,578, Oct. 11.

Nisbet, Alexander R., Sr., San Angelo, Tex. Means for picking cotton. 2,484,524, Oct. 11.

Nissen, Henry C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Overload release mechanism. 2,484,793, Oct. 11.

Nissen, Warren I., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,484,579, Oct. 11.

Noeth, Bernice L., South Bend, Ind. Vacuum jar. 2,484,309, Oct. 11.

Norris, Edward E., Minneapolis, Minn. Electric connector. 2,484,525, Oct. 11.

Nyman, Carl H., Stockholm, Sweden. Treating scale forming liquors. 2,484,046, Oct. 11.

O'Hara, James T., Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Separating adhering sheets by an air blast. 2,484,641, Oct. 11.

Oilgear Company, The, assignee: *See*—
Ferris, Walter.

Olaer Patent Cy, assignee: *See*—
Audemar, Pierre, and Duchaussoy.

Ortho Pharmaceutical Corporation, assignee: *See*—
Johnson, J. Garth.

Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Garbage grinder. 2,484,459, Oct. 11.

O'Shaughnessy, John, Trenton, N. J. Adjustable pipe connection. 2,484,354, Oct. 11.

Overton, Glen, Dowagiac, Mich. Feed distributor. 2,484,580, Oct. 11.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Grant, John A.

Owens-Illinois Glass Company, assignee: *See*—
Bauman, Thomas S.
Jobst, Conrad.

Page, F. B., assignee: *See*—
West, Merle J.

Page, Ralph E., and H. S. Beattie, Poughkeepsie, and G. F. Daly, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record perforation analyzing means. 2,484,114, Oct. 11.

Pain, Edwin F., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Drain valve. 2,484,723, Oct. 11.

Pallmen, Walter B., Los Angeles, Calif. Hinge. 2,484,581, Oct. 11.

Palmer, Ralph L., Dayton, Ohio, and B. E. Phelps, Chatham, N. J., assignors to International Business Machines Corporation, New York, N. Y. Carry device. 2,484,115, Oct. 11.

Palsson, Magnus P., Wenatchee, Wash. Holding means for bed sheets. 2,484,582, Oct. 11.

Paper Plastic Products Corporation, assignee: *See*—
Perry, Eugene L.

Papke, Herbert A., Grand Rapids, Mich. Ocular toy. 2,484,116, Oct. 11.

Paradise, Lionel P., New York, and W. F. Auerbacher, Brooklyn, assignors to Radio-Television Institute, Inc., New York, N. Y. Voltage regulator with secondary source of potentials. 2,484,724, Oct. 11.

Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Record card. 2,484,642, Oct. 11.

Parker, Clarence E., assignor to The Coe Manufacturing Company, Painesville, Ohio. Shaft bearing. 2,484,723, Oct. 11.

Parker Pen Company, The, assignee: *See*—
Mustard, James A.

Parsons, John W., Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor with propellant charge mounted in it. 2,484,365, Oct. 11.

Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Yates, Henry G.

Paterno, Joseph J., Salem, Mass. Terminal protector. 2,484,726, Oct. 11.

Patterson, George, Seattle, Wash. Fishing rod tip. 2,484,727, Oct. 11.

Pattillo, Ivan E., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax separation. 2,484,728, Oct. 11.

Paulson, Augustus J., Trevose, Pa. Abrading machine. 2,484,583, Oct. 11.

Paulson, Bernard J., Waukesha, Wis. Hydropneumatic power plant. 2,484,183, Oct. 11.

Payne, Viron E., Mather Field, Calif. Variable resistor. 2,484,117, Oct. 11.

Pearson, Edward, Bradford, assignor to The English Electric Company, Limited, London, England. Motor control relay. 2,484,244, Oct. 11.

Pedro, Philip J., Shreveport, La. Steak mold. 2,484,460, Oct. 11.

Penau, Henry, and G. Hagemann, assignors to Usines Chimiques des Laboratories Francais, et par abréviation U. S. L. A. F., Paris, France. Calciferol chaulmoograte and process. 2,484,526, Oct. 11.

Pendleton, Wesley W., L. J. Berberich, and I. R. Smith, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,484,245, Oct. 11.

People in the territory of the United States, dedicated to the free use of the: *See*—
Munger, Thornton T., and Kachin.

Pepper, Carl P., Plainfield, assignor to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Torque release clutch. 2,484,185, Oct. 11.

Perdue, Dwight J., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Feeding apparatus for straightening machines. 2,484,729, Oct. 11.

Perfection Stove Company, assignee: *See*—
Resek, Marc.

Perkins, Ervin L.: *See*—
Herdle, Lloyd E., and Perkins.

Perry, Eugene L., assignor to Paper Plastic Products Corporation, Bloomfield, N. J. Apparatus for forming sheet products from paper pulp. 2,484,047, Oct. 11.

Perry, John F., Jr., Chester, Pa. Tea bag and buffet tongs. 2,484,461, Oct. 11.

Perry, Leslie K., Las Vegas, Nev. Universal float inclinometer. 2,484,730, Oct. 11.

Pestarini, Joseph M., Staten Island, N. Y. Fluorescent lamps fed by direct current. 2,484,246, Oct. 11.

Peterson, Leroy E., and S. L. Dart, Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Production of artificial fibers. 2,484,014, Oct. 11.

Peterson, Liss C., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency electronic device. 2,484,643, Oct. 11.

Petkwitz, Carl F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,484,584, Oct. 11.

Phelps, Byron E.: *See*—
Palmer, Ralph L., and Phelps.

Philco Corporation, assignee: *See*—
Bradley, William E.
Buffington, Alan P.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,484,310, Oct. 11.

Phillips Petroleum Company, assignee: *See*—
Fols, John M.
Fray, Frederick E.
Mayland, Bertrand J., and White.

Poole, J. Gregory, assignee: *See*—
Steinhoff, John R.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Self-locking and sealing screw. 2,484,644, Oct. 11.

Powers, Barron C., Montgomery, Ala., and W. H. Richards, Dayton, Ohio. Portable darkroom for developing. 2,484,048, Oct. 11.

Prakke, Frits, W. Keeman, and K. Rodenhuis, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube with plated electrode. 2,484,311, Oct. 11.

Preload Enterprises, Inc., assignee: *See*—
Crom, John M.

Preston, Neil D., and F. B. Hitchcock, assignor to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,484,462, Oct. 11.

Prime Manufacturing Company, The, assignee: *See*—
Kelly, Daniel A.

Pritchett, Jess, Eldorado, Ill. Safety attachment for drilling machines. 2,484,731, Oct. 11.

Procter & Gamble Company, The, assignee: *See*—
Knoll, Alvin H.
Lange, Willy, and Folsenlogen.

Proctor & Schwartz, Inc., assignee: *See*—
Backhus, Fred.

Publicker Industries Inc., assignee: *See*—
Mahler, Paul.

Putriment, Peter L., assignee: *See*—
Turgeon, Edmond.

Putt, Donald R., Jersey City, N. J. Electrical control. 2,484,049, Oct. 11.

Quaker City Gear Works, Inc., assignee: *See*—
Berlinger, Bernard E.

Quigley, John L., and D. C. Harvey, assignors to Eastman Kodak Company, Rochester, N. Y. Lens mount with telescoping lens tubes and locking means. 2,484,464, Oct. 11.

Quinn, Frederic R., Schenectady, N. Y., assignor to General Electric Company. Thermal responsive resistance device. 2,484,585, Oct. 11.

Quirk, Raymond F.: *See*—
Vanslow, Waldemar, and Quirk.

Race, Charles L., Syracuse, N. Y., assignor to General Electric Company. Frequency-modulation monitoring. 2,484,586, Oct. 11.

Radio Corporation of America, assignee: *See*—
Hart, Stephen V.
Haynes, Harold E.
Kellogg, Edward W., and Isom.
Wald, Sidney.

Radio-Television Institute, Inc., assignee: *See*—
Paradise, Lionel P., and Auerbacher.

Ragsdale, Alton H., Hemet, Calif. Roundabout. 2,484,732, Oct. 11.

Rahmel, Henry A., Evanston, assignor to A. C. Nielsen Company, Chicago, Ill. Apparatus for determining the listening habits of wave signal receiver users. 2,484,734, Oct. 11.

Rahmel, Henry A., and H. T. Bentley, II, Evanston, assignors to A. C. Nielsen Company, Chicago, Ill. System and apparatus for recording the listening habits of wave signal receiver users. 2,484,733, Oct. 11.

Rath, Karl, New York, N. Y. Extinction type exposure meter with automatic eye sensitivity compensation. 2,484,735, Oct. 11.

Rathbone, Russell J.: *See*—
Hamer, Frances M., Rathbone, and Winton.

Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Means to open generator field circuit and to dissipate stored magnetic field energy. 2,484,247, Oct. 11.

Ray-O-Vac Company, assignee: *See*—
Ziska, Adam.

Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Apparatus for determining thermal conductivity. 2,484,736, Oct. 11.

Razek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee for the partnership of O. W. Storey & Associates, Chicago, Ill. Measuring apparatus. 2,484,737, Oct. 11.

Read, Charles E.: *See*—
Nickelsen, John M., and Read.

Rebours, Jules E., Grand Rapids, Mich. House trailer construction. 2,484,312, Oct. 11.

Reconstruction Finance Corporation, assignee: *See*—
Harrison, Elmer P.

Reed, Laurence G.: *See*—
Martin, Mervin E., Reed, and Thomas.

Reed Roller Bit Company, assignee: *See*—
Whiteledge, Edgar R.

Reese, John D., Philadelphia, Pa. Dermatone holder. 2,484,740, Oct. 11.

Reid, Hay B., Fairhaven, Mass. Latching device. 2,484,738, Oct. 11.

Reiner, Samuel, Brooklyn, N. Y. Necktie. 2,484,388, Oct. 11.

Remmen, Jorgen, Pittsburgh, Pa. Variable pitch propeller mechanism. 2,484,739, Oct. 11.

Renkenberger, Tirzah A., Penn Township, Butler County, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Mold and pattern separating and actuating mechanism. 2,484,646, Oct. 11.

Rennecamp, Clarence C., and W. H. Bartel, St. Louis, Mo. Bob pin opener. 2,484,313, Oct. 11.

Republic Steel Corporation, assignee: *See*—
Perdue, Dwight J.
Whitehouse, Irving P.

Research Corporation, assignee: *See*—
Root, Elihu, III.
Wintermute, Harry A.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Retort burner of the pot type. 2,484,184, Oct. 11.

Reuter, René L. E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Turf-anchoring spike for lawn sprinklers. 2,484,794, Oct. 11.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of polyvinylamine salts. 2,484,423, Oct. 11.

Reynolds Metals Company, assignee: *See*—
Reynolds, Richard S.

Reynolds, Richard S., assignor to Reynolds Metals Company, Richmond, Va. Method of bonding aluminum to steel. 2,484,118, Oct. 11.

Rhoads, Thomas H., Denville, N. J., and C. A. Southwick, Jr., Mount Vernon, Ohio. Method and apparatus for control of humidity. 2,484,527, Oct. 11.

Ribeiro, Hasel W.: *See*—
Ribeiro, Louis P. and H. W.

Ribeiro, Louis P. and H. W., Saylorsburg, Pa. Portable urinal. 2,484,356, Oct. 11.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Fluxmeter. 2,484,587, Oct. 11.

Richard, William E., Evansville, Ind., assignor to Seeger Refrigerator Company. Refrigerating apparatus having a freezing chamber and a storage chamber. 2,484,588, Oct. 11.

Richards, Kenneth D., Gardner, Mass. Arrow nock. 2,484,589, Oct. 11.

Richards, William H.: *See*—
Powers, Barron C., and Richards.

Ricker, Harry H., Jr.: *See*—
Hastings, Charles E., and Ricker.

Rigby, George W., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoromethyltriazines. 2,484,528, Oct. 11.

Rinne, John, Brooklyn, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Parallel motion and picker stick snubber. 2,484,119, Oct. 11.

Rivard, Adelard H., Detroit, Mich. Combination curler and waver. 2,484,050, Oct. 11.

Rivinius, Jacob, Minot, N. Dak. Light plug and cap. 2,484,465, Oct. 11.

Robbins & Myers, Inc., assignee: *See*—
Meussdorffer, Arthur R.

Robbins, Robert L., Jr., Hollywood, Calif., assignor, by mesne assignments, to Milton Bradley Company. Game board. 2,484,051, Oct. 11.

Roberts, Elliott J., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Ion exchange treatment of solutions. 2,484,647, Oct. 11.

Robertshaw-Fulton Controls Company, assignee: *See*—
Eskin, Samuel G.

Robinson, Edward H., Hillingdon, assignor to Electric and Musical Industries Limited, Hayes, England. Electrical follow-up motor control apparatus. 2,484,120, Oct. 11.

Robson, Duer C., Baltimore, and C. N. Stover, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Tape dispensing device. 2,484,648, Oct. 11.

Roché, Jean A. F., Norwood, Ohio. Ice cube tray. 2,484,121, Oct. 11.

Rocheleau, Leopold A., Leominster, Mass. Universal end mill grinding fixture. 2,484,590, Oct. 11.

Rochwite, Seton I., Wauwatosa, assignor to David White Company, Milwaukee, Wis. Stereoscope. 2,484,591, Oct. 11.

Rodd, Houston B., Trona, Calif. Adjustable accelerator pedal. 2,484,592, Oct. 11.

Rodenhuis, Klaas: *See*—
Prakke, Frits, Keeman, and Rodenhuis.

Rodrigue, Washington E., Larose, La. Rotary marsh land ditcher. 2,484,741, Oct. 11.

Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Altering the properties of solid polymers of ethylene. 2,484,529, Oct. 11.

Roehrl, Bruno C., Erie, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Film cartridge. 2,484,248, Oct. 11.

Roehrl, Bruno C., assignor to National Organ Supply Company, Erie, Pa. Loose-leaf binder. 2,484,742, Oct. 11.

Roggen, Franz: *See*—
Keller, Ernst, and Roggen.

Rohm & Haas Company, assignee: *See*—
Bruson, Herman A.
Craig, W. E., and Hester.

Rollman, Ernest E.: *See*—
Rollman, Heins W. and E. E.

Rollman, Heins W., Waynesville, N. C., and E. E. Rollman, Los Angeles, Calif. Making slip-laster footwear. 2,484,743, Oct. 11.

Roman, Floyd T., Three Rivers, Mass. Fish lure. 2,484,744, Oct. 11.

Ronson Art Metal Works, Inc., assignee: *See*—
Nissen, Warren I.

Root, Elihu, III, Springfield, Vt., assignor to Research Corporation, New York, N. Y. Justifying typewriter. 2,484,649, Oct. 11.

Rorvik, Peter K., Missoula, Mont. Adjustable stand for Christmas trees. 2,484,186, Oct. 11.

Rose, Morris E., Evergreen Park, Ill., assignor to Sonotone Corporation, Elmsford, N. Y. Amplifier hearing aid. 2,484,052, Oct. 11.

Rosenkrants, Isaac F., Greenbelt, Md. Breech loading mortar. 2,484,053, Oct. 11.

Rosing, Theodore F., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Lockable push-button device. 2,484,424, Oct. 11.

Ross, Harold D., Jr., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Induction brazing apparatus. 2,484,650, Oct. 11.

Ross, Howard S., Beverly Hills, Calif. Bait receptacle. 2,484,122, Oct. 11.

Rost, Helge F., Djursholm, K. H. Thanell, Nockeby, S. D. Vigren, Stockholm, and P. H. E. Claesson, Jakobsberg, Sweden. Radio direction finder. 2,484,651, Oct. 11.

Rovick, John D., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Rotary stock removing method and apparatus. 2,484,314, Oct. 11.

Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Damper operating mechanism for electric percussion instruments. 2,484,745, Oct. 11.

Ruble, Raymond J., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Preparation of gas mixtures. 2,484,249, Oct. 11.

Ruddy, Thomas L., Lakewood, Ohio. Rapping plate. 2,484,746, Oct. 11.

Ruede, Ernest: *See*—
Kahler, George V., and Ruede.

Rumbold, John S., Woodbridge, Conn., assignor to United States Rubber Company, New York, N. Y. Treatment of synthetic rubber latices. 2,484,425, Oct. 11.

Rumler, Lester W., Zion, Ill. Amusement device. 2,484,466, Oct. 11.

Russell, John K., North Hollywood, Calif. Fish lure. 2,484,747, Oct. 11.

Ruth, Edward S., assignor to Edwards and Company, Inc., Norwalk, Conn. Selective electric signaling system. 2,484,748, Oct. 11.

S E B M A S. A., Societe d'Exploitation de Brevets de Machines Agricoles, assignee: *See*—
Boncompain, Francois.

Saidel, Jack H.: *See*—
Swardlow, Max H., and Saidel.

Saletnik, Edward F.: *See*—
Turgeon, Edmond.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,484,749, Oct. 11.

Salminen, Ilmari F.: *See*—
Weissberger, Arnold, and Salminen.

Sandebond Patents, Inc.: *See*—
Sanford, Hugh W.

Sanford, Hugh W., assignor to Sandebond Patents, Inc., Knoxville, Tenn. Drive mechanism. 2,484,187, Oct. 11.

Savage, W. J., Company, Inc., assignee: *See*—
Fulton, Weston M.

Saville, Willie, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Electrical signaling system. 2,484,188, Oct. 11.

Savrda, Charles M., Bay Shore, N. Y., assignor, by mesne assignments, to Fish Machinery Corporation, Boston, Mass. Ribbing knife. 2,484,426, Oct. 11.

Schaad, Theodore A., Detroit, Mich. Jet-propelled airplane toy. 2,484,468, Oct. 11.

Schacht, Aleen, New York, N. Y. Adjustable halter. 2,484,467, Oct. 11.

Schaeffer, Benjamin B., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Process. 2,484,469, Oct. 11.

Schatz, Herman E., Ocean Park, Calif. Sport shoe and attachment. 2,484,889, Oct. 11.

Scherl, Egon B., New York, N. Y., assignor to The Linde Air Products Company. Laminated blowpipe head. 2,484,123, Oct. 11.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,484,750, Oct. 11.

Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Sickle guard. 2,484,652, Oct. 11.

Schoenrock, Otto R., Oak Park, Ill., assignor to J. I. Case Company, Racine, Wis. Sickle guard and mounting. 2,484,653, Oct. 11.

Schofield, Earl L., assignor, by mesne assignments, to A. F. Wintercorn, Rockford, Ill. Lawn mower handle mounting. 2,484,795, Oct. 11.

Schreiber, Edward J., Willimantic, Conn. Selective animal trap. 2,484,470, Oct. 11.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of 3,3,3-trifluoropropene. 2,484,530, Oct. 11.

Schultz, Henry F., Flushing, Mich. Trailer hitch. 2,484,751, Oct. 11.

Schwenk, Earl B., Seattle, Wash. Fishline sinker. 2,484,357, Oct. 11.

Schwenk, Earl B., Seattle, Wash. Fishing rod holder. 2,484,427, Oct. 11.

Scott, Milton J., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Nitroalcohol modified aminoplasts. 2,484,315, Oct. 11.

Scovill Manufacturing Company, assignee: *See*—
Reuter, René L. E.

Searles, Amos, Moscow, Pa. Renewable resilient idler unit. 2,484,752, Oct. 11.

Seeburg, J. P., Corporation, assignee: *See*—
Johnson, Carl G.

Seeger Refrigerator Company, assignee: *See*—
Richard, William E.

Selas Corporation of America, assignee: *See*—
Bennett, Clarence H., and Wakefield.

Seley, Charles E., assignee: *See*—
Wilsher, Samuel T. G.

Seymour, George W., B. B. White, and T. G. Davis, Cumberland, Md., assignors to Celanese Corporation of America. Mixed long chain cellulose esters. 2,484,124, Oct. 11.

Shaffer, Harry A., East Cleveland, Ohio. Detachable button. 2,484,654, Oct. 11.

Sharp, Renwick J., Guatemala, Guatemala. Coffee-making device. 2,484,064, Oct. 11.

Shaw, Norman H., Stafford, assignor to The English Electric Company, Limited, London, England. Generator fed motor control system. 2,484,250, Oct. 11.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Wachter, Aaron, and Stillman.

Shepard, Berger M., Washington, D. C. Core replacing apparatus and method for stranded cables. 2,484,055, Oct. 11.

Shepherd, George F., Brighton, Victoria, Australia. Caster. 2,484,189, Oct. 11.

Shinn, Charles A., Cheltenham, Pa. Hammer drill. 2,484,471, Oct. 11.

Shipley, Sherman, Ada, Okla. Electric hedge trimmer. 2,484,753, Oct. 11.

Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane. 2,484,056, Oct. 11.

Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing di(alkoxyphenyl) haloethane. 2,484,057, Oct. 11.

Shirley, John R.: *See*—
Ferris, Ralph E., and Shirley.

Shreve, Clifford B., Buchanan, Mich. Screw holder for screw drivers. 2,484,655, Oct. 11.

Side, Frederick W., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Standard cell construction. 2,484,593, Oct. 11.

Sikka, Basheshar N., G. Singh, and L. C. Verman, Delhi, British India. Apparatus for molding plastic sheet material. 2,484,656, Oct. 11.

Silva, Joseph P., Bayonne, N. J. Carriage for trucks. 2,484,754, Oct. 11.

Silvain, André, Roubaix, France. Elastic fabric. 2,484,125, Oct. 11.

Simmons, Milton, Detroit, Mich. Attachable handle for vessels. 2,484,531, Oct. 11.

Simons, Samuel C., Berkeley, Calif. Kite. 2,484,316, Oct. 11.

Simpson, Charles W., Harlingen, Tex. Propulsion aid for velocipedes. 2,484,472, Oct. 11.

Simpson, Justin, Elmhurst, assignor to Cameron Can Machinery Company, Chicago, Ill. Can testing pocket. 2,484,317, Oct. 11.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Tire and rim construction. 2,484,532, Oct. 11.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,484,533, Oct. 11.

Singer Manufacturing Company, The, assignee: *See*—
Nissen, Henry C.

Singh, Gurbux: *See*—
Sikka, Basheshar N., Singh, and Verman.

Singleton, Marshall E., Kenton, Tenn. Stretching or pulling apparatus. 2,484,190, Oct. 11.

Sjoboen, George W.: *See*—
Berry, Glenn, and Sjoboen.

Skinner, Charles H.: *See*—
Turrall, George, and Skinner.

Smith, George O., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetrical conductor. 2,484,252, Oct. 11.

Smith, Harry B., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wear adjusting shim for a relay. 2,484,251, Oct. 11.

Smith, Irving R.: *See*—
Pendleton, Wesley W., Berberich, and Smith.

Smith, John J., assignor to Mueller Co., Decatur, Ill. Water meter yoke. 2,484,755, Oct. 11.

Smith, John P., Jr., Verona, assignor to The Daven Company, Newark, N. J. Attenuator assembly. 2,484,126, Oct. 11.

Smith, Melvin L., Kane, Pa. Piezoelectric crystal mounting. 2,484,428, Oct. 11.

Smith, Willard F., Brooks, Calif. Adjustable riddle. 2,484,318, Oct. 11.

Smith, William B., Lawrenceville, Ill. Wheel cradle. 2,484,534, Oct. 11.

Snow, Howard, and J. D. Hill, Charlotte, N. C., assignors to Southern Friction Materials Company. Preparation of composition fabric material. 2,484,756, Oct. 11.

Soccoli, Dom D., New Britain, Conn. Self-righting cigarette holder. 2,484,757, Oct. 11.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Caesar, Philip D., and Badertscher.
Glassbrook, Clarence I., and Hansford.
Hartough, Howard D., and Kosak.
Long, William C., and Button.
Pattillo, Ivan E.

Soldan, Lewis E., Chicago, Ill. Vibratory equipment. 2,484,191, Oct. 11.

Son, Anthony J., assignor to Sonco, Inc., Mattapan, Mass. Dental syringe. 2,484,657, Oct. 11.

Sonco, Inc., assignee: *See*—
Son, Anthony J.

Sonnie, William C., North Perry, Ohio. Fixture for machine tools. 2,484,758, Oct. 11.

Sonotone Corporation, assignee: *See*—
Rose, Morris E.

Southern Friction Materials Company, assignee: *See*—
Snow, Howard, and Hill.

Southern Research Institute, assignee: *See*—
Mattocks, Albert M., Jr., and Lasier.

Southwick, Charles A., Jr.: *See*—
Rhoads, Thomas H., and Southwick.

Spangenberg, Charles B., Chicago, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Moisture responsive system. 2,484,594, Oct. 11.

Sparkman, J. A., assignee: *See*—
West, Merle J.

Speller, John C. G., Kenton, assignor to Ealing Studios Limited, Ealing, London, England. Lifting device. 2,484,658, Oct. 11.

Spen, Monroe, Brooklyn, N. Y. Trailer draft member and support. 2,484,429, Oct. 11.

Spencer-Kellogg and Sons, Inc., assignee: *See*—
Agster, Melvin, and Terrill.

Sperry Corporation, The, assignee: *See*—
Esval, Orland E.
Hansen, William W.
Isbister, Eric J.

Sperry, Leo M., Erie, Pa. Reciprocating spindle type cotton harvester. 2,484,319, Oct. 11.

Spira, Josef H., New York, N. Y. Girdle finishing device. 2,484,253, Oct. 11.

Sprague, Robert H., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Quaternary salts of polyvinyl pyridine and polyvinyl quinoline. 2,484,430, Oct. 11.

Sprink, Edward G.: *See*—
Loehr, Ewald, and Sprink.

Sprung, Murray M., Schenectady, N. Y., assignor to General Electric Company. Synthetic elastic and elastomeric products. 2,484,595, Oct. 11.

Squibb, E. R., & Sons, assignee: *See*—
Braker, William.
Lott, William A., and Braker.

Squiller, Samuel, Pittsburgh, Pa. Connector for thin wall conduits. 2,484,192, Oct. 11.

Stader, William, Perkasie Borough, Pa. Self-closing clothes hanger and door knocker. 2,484,535, Oct. 11.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Paper machinery. 2,484,473, Oct. 11.

Staehle, Henry C., and C. F. Amering, assignors to Eastman Kodak Company, Rochester, N. Y. Making hydrolyzed cellulose acetate printing plates. 2,484,431, Oct. 11.

Stahl, William F., assignee: *See*—
Collins, Fred V.

Stalter, Joseph F.: *See*—
Clunan, Albert B., and Stalter.

Standard Oil Company, assignee: *See*—
Watson, Roger W., and Loane.

Stanton, Leonard: *See*—
Wills, Walter P., and Stanton.

Stapleton, George M., Sea Cliff, N. Y., assignor to Ward Leonard Electric Company. Relay. 2,484,358, Oct. 11.

Starbeck, Frank L., assignor to L. J. Starbeck, Montevideo, Minn. Combination tooth paste dispenser and toothbrush holder. 2,484,193, Oct. 11.

Starbeck, Lelah J., assignee: *See*—
Starbeck, Frank L.

Starr, John H., Mayville, Wis., assignor to John Deere Van Brunt Company. Power lift connection. 2,484,759, Oct. 11.

Staudinger, Hanns P., Ewell, and D. Faulkner, Cambridge, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Polymerization of vinylidene chloride copolymers. 2,484,760, Oct. 11.

Stein, Joseph M., Buffalo, and J. R. Greenemeyer, Eggertsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifugal switch for single-phase motors. 2,484,254, Oct. 11.

Steinberger, John J., St. Paris, Ohio. Method and apparatus for integrating information concerning production and other operating schedules. 2,484,058, Oct. 11.

Steinhoff, John R., Brooklyn, N. Y., assignor to J. G. Poole, Raleigh, N. C. Electronic tube. 2,484,194, Oct. 11.

Stelzer, William, Summit, N. J. Heat exchange system. 2,484,127, Oct. 11.

Stern, Elias L., San Diego, Calif. Thiamin-procaine anesthetic. 2,484,128, Oct. 11.

Stevens, George S., Richland, Wash. Toy projectile. 2,484,320, Oct. 11.

Stevenson, Archibald S.: *See*—
Weisberg, Mark, Stevenson, and Beer.

Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. D.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Stock, Charles R., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Viscosimeter. 2,484,761, Oct. 11.

Stock, Frederick G., Dallas, Tex. Piston. 2,484,474, Oct. 11.

Storey, O. W., & Associates: *See*—
Razek, Joseph.

Storey, Oliver W., trustee, assignee: *See*—
Razek, Joseph.

Stover, Clyde N.: *See*—
Robson, Duer C., and Stover.

Strassa, Frank, Clearwater Beach, Fla. Golf club grip finder. 2,484,762, Oct. 11.

Stromberg-Carlson Company, assignee: *See*—
Miller, Glenn H., and Krumhansl.

Strottner, Leonard A.: *See*—
Houk, Ernest J., and Strottner.

Stuban, Carl J., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump coupling. 2,484,321, Oct. 11.

Studer, Walter J., Buffalo, N. Y. Shuttlecock. 2,484,475, Oct. 11.

Sturm, Rudolf E., Flushing, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Harmonic-frequency generator. 2,484,763, Oct. 11.

Summers, Arthur B.: *See*—
McDaniel, Eskel J., and Summers.

Summers, Earl, assignee: *See*—
Jones, Harry T.

Sunbury Wire Rope Manufacturing Company, assignee: *See*—
MacCreadie, William T.

Swanson, Alfred J., Hollywood, Calif. Hydraulic checking hinge. 2,484,764, Oct. 11.

Swartz, George A., Millington, N. J. Sight alignment measuring device. 2,484,195, Oct. 11.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic sensitometer having an optical wedge on a rotating drum. 2,484,322, Oct. 11.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photo tube housing with selectable filters. 2,484,323, Oct. 11.

Swerdlow, Max H., Columbus, and J. H. Saidel, Dayton, Ohio. Foot duster. 2,484,659, Oct. 11.

Swift & Company, assignee: *See*—
Gunther, James K.

Swindin, Norman, London, England. Process and apparatus for purifying pickling acid and recovering sulfates therefrom. 2,484,799, Oct. 11.

Sylvania Electric Products, Inc., assignee: *See*—
Cowley, Clayton R.
Gehrke, Forrest E.

Taylor Instrument Companies, assignee: *See*—
Hartman, Elmer C.

Taylor, Louis W., Oakland, Calif. Gear puller. 2,484,129, Oct. 11.

Teigland, George J., Wilmington, Del. Scraper. 2,484,476, Oct. 11.

Teleflex Limited, assignee: *See*—
Brouse, William H. D.

Terrill, Robert L.: *See*—
Agster, Melvin, and Terrill.

Texaco Development Corporation, assignee: *See*—
Ruble, Raymond J.

Texas Company, The, assignee: *See*—
Barber, Everett M.

Thermactor Corporation, assignee: *See*—
Ackley, Charles S.

Thibault, Frank J., Rochester, N. Y. Arch, ankle, and leg bandage. 2,484,130, Oct. 11.

Thireau, Remy H. A., Garches, France. Retractable landing gear and analogous device. 2,484,660, Oct. 11.

Thomas & Betts Co., The, assignee: *See*—
Badeau, Carroll A.

Thomas, James L.: *See*—
Martin, Mervin E., Reed, and Thomas.

Thomas, William A., assignor to Blaw-Knox Company, Pittsburgh, Pa. Vortical gaseous-fluid type classifier for pulverized solid particles. 2,484,255, Oct. 11.

Thompsonville Trust Company, The: *See*—
Turgeon, Edmond.

Thorpe, James W., Dunstable, S. W. Bussell, Stanmore, and S. J. Herbert, Richmansworth, assignors to H. Reeve Angel & Co., Ltd., London, England. Apparatus for folding paper and like material. 2,484,390, Oct. 11.

Thorsson, Matthew, Rutland, Vt. Three-bucket counting scale. 2,484,324, Oct. 11.

Thunder, Harold G.: *See*—
Lane, Guy M., and Thunder.

Thunell, Karl H.: *See*—
Rost, Helge F., Thunell, Vigren, and Claesson.

Tipton, Elizabeth B., executrix: *See*—
Tipton, William D.

Tipton, William D., deceased, Stoneleigh, Md., E. B. Tipton, executrix. Control booster for aircraft. 2,484,359, Oct. 11.

Toorans, Milton, assignee: *See*—
Toorans, Samuel.

Toorans, Samuel, Upper Darby, assignor of ninety-five per cent to M. Toorans, Lansdowne, Pa. Safety turnbuckle. 2,484,360, Oct. 11.

Traylor Engineering & Manufacturing Company: *See*—
Walker, Robert S.

Treiss, Herman G., Jr., Brooklyn, assignor to Associated Development and Research Corporation, New York, N. Y. Combined liquid dispenser, ice crusher, and drink mixer. 2,484,391, Oct. 11.

Trevorrow, William D., Hometown, Pa., assignor to Atlas Powder Company, Wilmington, Del. Ignition composition. 2,484,131, Oct. 11.

Trico Products Corporation, assignee: *See*—
Bitzer, Martin.

Turgeon, Edmond; The Thompsonville Trust Company, Thompsonville, Conn., executor of said E. Turgeon, deceased, assignor to P. L. Putriment, Enfield, D. C. Morell, East Windsor, J. J. Masurek, Enfield, Conn., and E. F. Saletnik, Springfield, Mass. Rotary impact type screw driver. 2,484,765, Oct. 11.

Turner, Charles C., assignor of one-half to G. S. Aldhiser, II, Broadway, Va. Humane tail set. 2,484,766, Oct. 11.

Turner, George, El Paso, Tex. Radium ray applicator. 2,484,433, Oct. 11.

Turner, Jesse A. C., New York, N. Y. Clothesline extension. 2,484,432, Oct. 11.

Turner, John J., Detroit, Mich. Surgical instrument. 2,484,132, Oct. 11.

Turrall, George, and C. H. Skinner, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Machine for separating and feeding counted batches of articles. 2,484,196, Oct. 11.

Udylite Corporation, assignee: *See*—
Davis, John V.

Undy, Gustav E., Detroit, assignor, by mesne assignments, to Weltronic Company, Oakland County, Mich. Electrical control system. 2,484,767, Oct. 11.

Union d'Electricite, assignee: *See*—
Cahen, Francois M., Chevallier, and Henriet.

Union Switch & Signal Company, The, assignee: *See*—
Bossart, Paul N.
Fitzsimmons, David P.
Lewis, Lloyd V.
Wells, Wesley B.

United Aircraft Corporation, assignee: *See*—
Alex, Ralph P.

United Products Company, The, assignee: *See*—
Cover, Ralph.

United Shoe Machinery Corporation, assignee: *See*—
Clarke, Thomas B., and Barker.

United Specialties Company, assignee: *See*—
Eastman, David P.

United States Rubber Company, assignee: *See*—
Barton, Bernard C.
Miner, Samuel S.
Rumbold, John S.
Van Buskirk, Edward C., and Butsch.

Universal Oil Products Company, assignee: *See*—
Webb, Glenn M., and Moehl.

University of Tennessee Research Corporation, assignee: *See*—
Hertel, Kenneth L.

Upton, Eugene S., Los Angeles, Calif. Drawing instrument. 2,484,361, Oct. 11.

Urist, Harold: *See*—
Martin, Gustav J., and Urist.

Usines Chimiques des Laboratoires Francais, et par abréviation U. C. L. A. F., assignee: *See*—
Penau, Henry, and Hagemann.

Utilities Distributors, Inc., assignee: *See*—
Anderson, Eric M.

Vaksvik, Adrian J.: *See*—
Arlsman, Mervin B., Vaksvik, and Magnusen.

Van Brunt, John Deere, Company, assignee: *See*—
Starr, John H.

Van Buskirk, Edward C., and P. V. Butsch, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Making sponge rubber. 2,484,434, Oct. 11.

Van de Straete, Leo A., Mortsel-Antwerp, assignor to Gevaert Photo-Producten N. V., Antwerp, Belgium. Meso alkyl mercapto substituted carboncyanines and preparing same. 2,484,536, Oct. 11.

Van Dyke, Henry A., Pacific Palisades, Calif., assignor to the United States of America as represented by the Secretary of War. Bombsight with trail angle sighting reflector means. 2,484,537, Oct. 11.

Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-air engine actuated refrigerating apparatus. 2,484,392, Oct. 11.

Van Heeckeren, Willem J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas engine heater head arrangement. 2,484,393, Oct. 11.

Van Norman Company, assignee: *See*—
Healy, Francis P.

Van Pelt Mfg. Co., assignee: *See*—
Van Pelt, Oliver A.

Van Pelt, Oliver A., assignor to Van Pelt Mfg. Co., Galien, Mich. Catch construction for ironing tables. 2,484,768, Oct. 11.

Vanselow, Waldemar and R. F. Quirk, assignors to Eastman Kodak Company, Rochester, N. Y. Latensification of photographic images. 2,484,538, Oct. 11.

Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Van Zwet, Willem L. C., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Preparation of silicic-acid esters. 2,484,394, Oct. 11.

Vaughan, Sam G., Harlingen, Tex., E. F. Grant, Arlington, Mass., W. Altar, and M. W. Dodd, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modulator. 2,484,256, Oct. 11.

Veldhuis, Albert C., assignor to R. W. Weeks, West Chester, Pa. Wind-driven electric power plant. 2,484,197, Oct. 11.

Veltman, John C., and W. O. Michelsen, St. Louis County, assignors to The Emerson Electric Mfg. Co., St. Louis, Mo. Noiseless escapement mechanism. 2,484,198, Oct. 11.

Verman, Lal C.: *See*—
Sikka, Basheshar N., Singh, and Verman.

Vigren, Sten D.: *See*—
Roet, Helge F., Thunell, Vigren, and Claesson.

Vogel, John G., New York, N. Y. Framed design for handbags, luggage, and the like. 2,484,661, Oct. 11.

Von Duyke, Harrison M., Wilmington, Del. Hair dyeing comb. 2,484,133, Oct. 11.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling machine. 2,484,435, Oct. 11.

Vulcan Radiator Company, The, assignee: *See*—
Downs, Bernard I.

Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Nitrite salts of organic nitrogen bases. 2,484,395, Oct. 11.

Wachter, Lester W., assignor to Anthony Company, Streator, Ill. Tipping spreader. 2,484,325, Oct. 11.

Wakefield, Richard E. B.: *See*—
Bennett, Clarence H., and Wakefield.

Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. Electric motor follow-up control system. 2,484,134, Oct. 11.

Walger, Walter B., El Campo, Tex. Throttle valve mechanism. 2,484,199, Oct. 11.

Walker, Richard K.: *See*—
Wangerin, Elmer O., and Walker.

Walker, Robert S., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Rotary kiln temperature control. 2,484,539, Oct. 11.

Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Electrosurgical resecting instrument. 2,484,059, Oct. 11.

Walters, Leslie W., assignor of one-half to R. G. Clay, Pierson, Iowa. Folding wall table. 2,484,326, Oct. 11.

Waltz, Maynard C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lamp socket for series lighting circuits. 2,484,596, Oct. 11.

Wangerin, Elmer O., and R. K. Walker, assignors to Eastman Kodak Company, Rochester, N. Y. Shutter alarm. 2,484,436, Oct. 11.

War, United States of America as represented by the Secretary of, assignee: *See*—
Van Dyke, Henry A.

Ward, Leonard, Electric Company, assignee: *See*—
Stapleton, George M.

Watson, Roger W., Chicago, Ill., and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilization of organic substances. 2,484,257, Oct. 11.

Watts, Thomas R.: *See*—
Lingal, Harry J., and Watts.

Webb, Glenn M., Western Spring, and R. W. Moehl, Brookfield, assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon cracking catalyst and process. 2,484,258, Oct. 11

Weber, John A., assignor to J. T. Anderson, Portland, Oreg. Log turner. 2,484,362, Oct. 11.

Weeks, Robert W., assignee: *See*—
Veldhuis, Albert C.

Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Stitchless billfold. 2,484,135, Oct. 11.

Wegele, John F., Paterson, N. J. Cash drawer lock and alarm. 2,484,597, Oct. 11.

Weisberg, Mark, Providence, A. S. Stevenson, Pawtucket, and L. Beer, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Reducing the crease and wrinkling tendencies of cellulosic textile fabrics. 2,484,598, Oct. 11.

Weisberg, Mark, Providence, A. S. Stevenson, Pawtucket, and L. Beer, Providence, assignors to Alrose Chemical Company, Cranston, R. I. Reducing the shrinkage and felting tendencies of protein textile materials. 2,484,599, Oct. 11.

Weiser, George L., Middletown, and D. E. Key, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for covering electrical coils. 2,484,600, Oct. 11.

Weissberger, Arnold, and I. F. Salminen, assignors to Eastman Kodak Company, Rochester, N. Y. Making color couplers. 2,484,477, Oct. 11.

Weitlauf, Stephen A.: *See*—
Cobb, Carroll F., De Windt, and Weitlauf.

Well Surveys, Incorporated, assignee: *See*—
Fearon, Robert E.

Wells, F. Warren, assignor to Blair Manufacturing Company, Springfield, Mass. Golf ball collector. 2,484,437, Oct. 11.

Wells, Wesley B., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Cover glass for light signals. 2,484,136, Oct. 11.

Weltronic Company, assignee: *See*—
Undy, Gustav E.

Wernts, Charles W., Huntsville, Mo. Wrist watch. 2,484,200, Oct. 11.

Werts, Flo J., Washington, D. C. Children's and girls' pants. 2,484,478, Oct. 11.

West, Merle J., Los Angeles, assignor of one-half to F. B. Page and one-half to J. A. Sparkman, Huntington Park, Calif. Pencil holder for telephones. 2,484,363, Oct. 11.

Western Electric Company, Incorporated, assignee: *See*—
Demers, Paul E.
Detuno, Rocco J.
Gray, Alvin N.
Kammerer, Charles J., and MacKinnon.
O'Hara, James T.
Robson, Duer C., and Stover.
Ross, Harold D., Jr.

Westinghouse Electric Corporation, assignee: *See*—
Ankenman, Earl B., and Center.
Atwell, Clarence A.
Blackburn, Wayne E.
Clark, Earl K.
Criner, Harry E., and Baudry.
Derr, Willard A.
Duffy, Philip A., Jr.
Dunbar, John R.
Ferris, Ralph E., and Shirley.
Fitzgerald, Edward B.
Ford, James G., and Nagel.
Foster, Newton C.
Gulbransen, Earl A.
Jackson, Hagan L.
Jones, Maurice F.
King, Alexander S., Jr.
Lingal, Harry J., and Watts.
Miner, John D., Jr.
Mulheim, Joseph E.
Nagel, Fritz J., and Horstman.
Pendleton, Wesley W., Berberich, and Smith.
Ratz, Elmer G.
Stein, Joseph M., and Greenemeyer.
Vaughan, Sam G., Grant, Altar, and Dodd.
Whitney, Eugene C.
Whitney, Eugene C., and Erhard.
Young, James F.

Wetzel, Grant N., assignor to Collins Radio Company, Cedar Rapids, Iowa. Automatic acoustic control for public address systems and the like. 2,484,662, Oct. 11.

Wheeldex Manufacturing Co., Inc., assignee: *See*—
Houghtaling, Lester R.

Whelchel, Rupert C.: *See*—
Foust, Floyd J., Childress, and Whelchel.

Wheldon, Theodore, West Englewood, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Photographic color connection method. 2,484,137, Oct. 11.

Whetstine, Jesse E., Cedar Rapids, Iowa. Hand-operated saw filing device. 2,484,438, Oct. 11.

White, Adam W., and R. J. Gilson, Greenford, England, assignors to The Hoover Company, North Canton, Ohio. Yoke assembly for dynamoelectric machines. 2,484,259, Oct. 11.

White, Blanche B.: *See*—
Seymour, George W., White, and Davis.

White, David, Company, assignee: *See*—
Rochwite, Seton I.

White, Edward E.: *See*—
Mayland, Bertrand J., and White.

Whitehouse, Irving P., South Euclid, assignor to Republic Steel Corporation, Cleveland, Ohio. Lead coating process. 2,484,540, Oct. 11.

Whiting Corporation, assignee: *See*—
Fisher, Ernest F.

Whitledge, Edgar R., Mantua, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Rotary tool. 2,484,364, Oct. 11.

Whitney, Eugene C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flywheel motor-generator control. 2,484,260, Oct. 11.

Whitney, Eugene C., and R. Erhard, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Neutralizing winding for dynamo-electric machines. 2,484,261, Oct. 11.

Wight, Sedgwick N.: *See*—
Field, Oscar S., Wight, and Hewes.

Wilbert Manufacturers Association, assignee: *See*—
Haase, Wilbert W.

Williams, Barney B., Albany, Ga. Combined cigarette and match case. 2,484,327, Oct. 11.

Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Hydraulic pump. 2,484,439, Oct. 11.

Wills, Walter P., Germantown, and L. Stanton, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Standardized motor control system. 2,484,367, Oct. 11.

Wilsher, Samuel T. G., Merritton, Ontario, Canada, assignor to C. E. Seley, Erie, Pa. Rock drill bit. 2,484,365, Oct. 11.

Wilson, John W., Berkeley, Calif. Radiograph calculator. 2,484,366, Oct. 11.

Winchell, Laurence J., Fort Scott, Kans. Lawn mower. 2,484,201, Oct. 11.

Wing, Henry J., Milltown, N. J., assignor to Johnson & Johnson. Pressure sensitive adhesive. 2,484,060, Oct. 11.

Wingfoot Corporation, assignee: *See*—
Cheyney, La Verne E., and McCutcheon.
Chunan, Albert B., and Stalter.
D'Ianni, James D.
George, Everett D.
Glen, Earl W.
Hardman, Albert F.

Wintercorn, Andrew F., assignee: *See*—
Schofield, Earl L.

Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Gas testing device. 2,484,202, Oct. 11.

Winther, Martin P., Waukegan, Ill., assignor to himself as trustee. Dynamoelectric machine. 2,484,138, Oct. 11.

Winton, Barbara S.: *See*—
Hamer, Frances M., Rathbone, and Winton.

Witchger, Eugene S., Grosse Pointe Woods, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Vacuum system for windshield wipers and crankcase ventilators. 2,484,139, Oct. 11.

Witkower, Leonard J., assignee: *See*—
Witkower, Max.

Witkower, Max, Los Angeles, assignor to L. J. Witkower, West Los Angeles, Calif. Brassière. 2,484,440, Oct. 11.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Parallax correction device for camera view finders. 2,484,441, Oct. 11.

Wolters, Mande, Kenmore, N. Y. Plastic window ventilator. 2,484,769 Oct. 11.

Wood, Sylvan R., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dichloro methyl sulfenyl chloride. 2,484,061, Oct. 11.

Woodin, Truman O., Laurens, Iowa. Automatically adjustable sickle bar. 2,484,140, Oct. 11.

Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Adjustable rack and pinion gearing. 2,484,770, Oct. 11.

Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Dial indicator mechanism. 2,484,771, Oct. 11.

Worthen, John H., Providence, R. I., assignor to Federal Products Corporation. Tolerance limit indicator. 2,484,772, Oct. 11.

Wright Aeronautical Corporation, assignee: *See*—
Chilton, Roland.

Wuestman, Joseph V., Union, N. J. Receptacle. 2,484,773, Oct. 11.

Yates, Henry G., Riding Mill, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Elastic fluid turbine. 2,484,774, Oct. 11.

Young, Ellis H., Dayton, assignor of one-half to J. M. Dockstader, Woodbridge, N. J. Adjustable pistol sight. 2,484,368, Oct. 11.

Young, James F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,484,262, Oct. 11.

Youngquist, Carl H., assignor to Crane Co., Chicago, Ill. Pressure sealed stuffing box. 2,484,663, Oct. 11.

Zandelin, Fritz G., Malmo, and E. B. Ingelström, assignors to Aktiebolaget Gylling & Co., Stockholm, Sweden. Automatic phonograph. 2,484,775, Oct. 11.

Zent, Bertha M.: *See*—
Zent, George L. and B. M.

Zent, George L. and B. M., Vancouver, Wash. Ornamental article holder. 2,484,776, Oct. 11.

Ziers, John C., Independence, Mo. Power cutoff switch. 2,484,664, Oct. 11.

Ziska, Adam, Wauwatosa, Wis., assignor to Ray-O-Vac Company. Plastic molding machine. 2,484,777, Oct. 11.

Zopfi, William L., assignee: *See*—
Greenbaum, Maurice.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cultivator, Quick demountable. T. W. Johnson. Re. 23,154, Oct. 11.

Repulsion synchronous motor. H. E. Warren. Re. 23,155, Oct. 11.

LIST OF PLANT INVENTIONS

Tree, Peach. F. Gebeb. 878, Oct. 11.
Rose plant, Floribunda. C. G. Duehrsen. 879, Oct. 11.

Rose plant, Polyantha. C. G. Duehrsen. 880, Oct. 11.

LIST OF DESIGN INVENTIONS

Anchor. P. W. Polenz. 155,537, Oct. 11.
Applicator unit, Mucilage. A. C. Werner. 155,562, Oct. 11.
Board, Hair test. D. E. Hess. 155,510, Oct. 11.
Box or the like, Cosmetic. R. O. Tillmann. 155,559, Oct. 11.
Box, Powder. J. F. Fleming. 155,494, Oct. 11.
Bracket, Motorcycle spotlight mounting. J. W. Comiskey and A. T. Comiskey, Sr. 155,484, Oct. 11.
Cabinet, Kitchen. C. W. Sundberg and M. Ferar. 155,558, Oct. 11.
Case or similar article, Goggle. C. Castelli. 155,480, Oct. 11.
Cleaner, Toilet bowl. E. B. de Mesquita. 155,489, Oct. 11.
Cleaner, Vacuum. F. K. Storm, Jr. 155,550, Oct. 11.
Coat. A. Burell. 155,478, Oct. 11.
Coat. H. Goldberg. 155,497–501, Oct. 11.
Coat. G. Reiter. 155,540, Oct. 11.
Coat. J. F. Strassner. 155,554–5, Oct. 11.
Compact or similar article. W. H. Leavin. 155,521, Oct. 11.
Connector, Electric plug. W. T. Gossard. 155,502, Oct. 11.
Container for cosmetics and the like. L. Medgyes. 155,525, Oct. 11.
Cover and cigarette, cigar, and pipe rest for ash trays, Combined. E. F. McDonald. 155,524, Oct. 11.
Cover, Battery dust. S. B. Blakely. 155,476, Oct. 11.
Cube tap, Electric. A. N. Bec Var and R. E. Munz. 155,472, Oct. 11.
Dish. S. H. Berch. 155,474, Oct. 11.
Dish or similar article. I. A. Lipman. 155,522–3, Oct. 11.
Dispenser, Cigarette. D. W. Dunberg. 155,490, Oct. 11.
Dispensing machine, Coin. R. A. Leach. 155,519, Oct. 11.
Drier, Electric hair. R. F. Berndt. 155,475, Oct. 11.
Drier, Portable hair. E. E. Collison. 155,482, Oct. 11.
Engraving machine. M. H. Preis and J. A. Hoffmann. 155,539, Oct. 11.
Fabric or similar article, Textile. R. E. Minger. 155,526–9, Oct. 11.
Fabric, Textile. R. Montrose. 155,530, Oct. 11.
Fan, Electric circulating floor. C. E. Jones and R. H. Crowle. 155,514, Oct. 11.
Fishing lure. A. C. Clasen, H. J. Millgard, and T. A. Phelps. 155,481, Oct. 11.
Fixture, Recessed type bathroom. H. Gruen. 155,503, Oct. 11.
Frame, Phonograph recorder holder. M. B. Smith. 155,548, Oct. 11.
Front for an illuminable mirror cabinet. C. A. Laystrom and H. R. Sigler. 155,518, Oct. 11.
Game device, Shuffle board. G. T. Kruithof and J. W. K. Jurrat. 155,517, Oct. 11.
Glove. M. Wiesenthal. 155,563, Oct. 11.
Gun or the like, Antioffset dry powder. E. Gustafsson and J. W. Baur. 155,504, Oct. 11.

Handle. V. P. Aleks. 155,471, Oct. 11.
Handle. R. A. Stone. 155,549, Oct. 11.
Holder, Cigarette. E. L. Pickering and C. E. Pickering, Sr. 155,536, Oct. 11.
Holder, Glass. J. W. Toland. 155,560, Oct. 11.
Holder, Lipstick. W. H. Leavin. 155,520, Oct. 11.
Holder, Phonograph record. M. B. Smith. 155,547, Oct. 11.
Holder, Straw and napkin. P. Beghetti. 155,473, Oct. 11.
Jacket. S. Etkin. 155,491, Oct. 11.
Jacket. J. F. Strassner. 155,552–3, Oct. 11.
Jacket. J. F. Strassner. 155,556–7, Oct. 11.
Light, Purse. J. W. Crockett. 155,488, Oct. 11.
Lighter, Table. P. Pouliot. 155,538, Oct. 11.
Link or similar article, Cuff. J. M. Oldak. 155,535, Oct. 11.
Mirror, Automobile. R. K. Stortz. 155,551, Oct. 11.
Noodle or similar article. S. Mueller. 155,533, Oct. 11.
Orphrey or similar article. O. A. Scheurmann. 155,544–5, Oct. 11.
Pedestal and mirror, Combined. G. R. Fitzgerald. 155,495, Oct. 11.
Pen or similar article, Fountain. L. Morrison. 155,532, Oct. 11.
Pencil and knife, Combination mechanical. J. M. Weiss. 155,561, Oct. 11.
Pendant, Ear. J. Janousek. 155,511, Oct. 11.
Photographic exposing, developing, and printing apparatus. D. D. Hotfield. 155,507, Oct. 11.
Pulley assembly, Clothesline. J. W. Conway. 155,485, Oct. 11.
Rack, Display. I. Hertzberg. 155,509, Oct. 11.
Recording machine, Time. G. H. Kress. 155,516, Oct. 11.
Restaurant or the like, Drive-in. N. D. Gustin, E. W. Hartung, and M. A. Selo.
Signal, Highway traffic. R. O. Ferguson. 155,492–3, Oct. 11.
Spraying device. D. D. Heimburger. 155,508, Oct. 11.
Stand, Adjustable flatiron. H. Noordhof. 155,534, Oct. 11.
Suit. G. Reiter. 155,541–3, Oct. 11.
Support and floodlight lamp holder, Combined camera. A. Secofsky, M. A. Meisel, and A. Zalman. 155,546, Oct. 11.
Temple for spectacles or similar article, Nonmetallic. N. S. Cabana. 155,479, Oct. 11.
Tool unit, Electric. W. Moretti. 155,531, Oct. 11.
Tombstone. J. A. Gardner. 155,496, Oct. 11.
Toy figure. B. M. Brown. 155,477, Oct. 11.
Toy, Pull. W. P. Colvin. 155,483, Oct. 11.
Trap or the like, Animal. C. L. Cook. 155,486–7, Oct. 11.
Trap or the like, Animal. C. E. Jones. 155,512–13, Oct. 11.
Wardrobe or similar article, Portable. A. P. Kitson. 155,515, Oct. 11.
Watchcase. J. Gutschneider. 155,506, Oct. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. A. J. Paulson. 2,484,583, Oct. 11.
Accelerator pedal, Adjustable. H. B. Rodd. 2,484,592, Oct. 11.
Accelerometer. C. M. Hathaway. 2,484,165, Oct. 11.
Acids, Organodistannonic. J. W. Hill. 2,484,508, Oct. 11.
Acoustic control for public address systems and the like, Automatic. G. N. Wetzel. 2,484,662, Oct. 11.
Acylation of dichlorothiophene. H. D. Hartough and A. I. Kosak. 2,484,706, Oct. 11.
Adapter for sealing-in machines. C. R. Cowley. 2,484,688, Oct. 11.
Adapter, Remote-control. R. C. Hopgood. 2,484,092, Oct. 11.
Addition products of carbon bisulfide and amino-methylene-naphthols. A. F. Hardman. 2,484,621, Oct. 11.
Adhesive, Pressure sensitive. H. J. Wing. 2,484,060, Oct. 11.
Adhesive tape and composition therefor. J. B. Martin. 2,484,416, Oct. 11.
Adhesive tape cutter. F. M. Becker. 2,484,673, Oct. 11.
Adjusting device, Diamond polishing. M. J. Leiman. 2,484,574, Oct. 11.
Adjusting shim for a relay, Wear. H. B. Smith. 2,484,251, Oct. 11.
Adjustment for boring bar tools. E. Anderson. 2,484,480, Oct. 11.
Agricultural machine, Automatic control. F. Boncompain. 2,484,069, Oct. 11.
Aid for velocipedes, Propulsion. C. W. Simpson. 2,484,472, Oct. 11.
Air-operated control apparatus with antihunting compensation. D. P. Eckman. 2,484,557, Oct. 11.
Alarm, Shutter. E. O. Wangerin and R. K. Walker. 2,484,430, Oct. 11.
Alkali metals from ferro-phosphorus and alkali carbonates or hydroxides, Production of. L. E. Bowe. 2,484,266, Oct. 11.
Allyl thiophenes. P. D. Caesar and D. E. Badertscher. 2,484,268, Oct. 11.
Altering the properties of solid polymers of ethylene. M. J. Roedel. 2,484,529, Oct. 11.
Amusement device. L. W. Rumler. 2,484,466, Oct. 11.
Anesthetic, Thiomin-procaine. E. L. Stern. 2,484,128, Oct. 11.
Animal trap. C. Grossi. 2,484,452, Oct. 11.
Apparatus for covering electrical coils. G. L. Weiser and D. E. Key. 2,484,600, Oct. 11.
Apparatus for detecting breaks of synchronism between electric machines. F. M. Cahen, A. Chevallier, and P. M. E. Henriet. 2,484,374, Oct. 11.
Apparatus for determining the listening habits of wave signal receiver users. H. A. Rahmel. 2,484,734, Oct. 11.
Apparatus for determining thermal conductivity. J. Razek. 2,484,736, Oct. 11.
Apparatus for dispensing ice cubes. L. G. Copeman. 2,484,017, Oct. 11.
Apparatus for drying paper. G. L. Bidwell. 2,484,676, Oct. 11.
Apparatus for folding paper and like material. J. W. Thorpe, S. W. Bussell, and S. J. Herbert. 2,484,390, Oct. 11.
Apparatus for forming sheet products from paper pulp. E. L. Perry. 2,484,047, Oct. 11.
Apparatus for freezing food. T. E. Klein. 2,484,297, Oct. 11.
Apparatus for making powder puffs. S. Epstein and R. Bihler. 2,484,336, Oct. 11.
Apparatus for measuring and controlling pug mill output. E. A. Hawk. 2,484,506, Oct. 11.
Apparatus for molding plastic sheet material. B. N. Sikka, G. Singh, and L. C. Verman. 2,484,656, Oct. 11.
Apparatus for transmitting changes in gauge conditions. H. D. Giffen. 2,484,218, Oct. 11.
Apparatus for treating crude oil emulsions. A. V. B. Candler. 2,484,205, Oct. 11.
Apparatus for trenching. A. B. Heath. 2,484,709, Oct. 11.
Apparatus for use in attaching soles to the uppers of boots and shoes. E. A. Hammarsjö. 2,484,289, Oct. 11.
Applicator, Radium ray. G. Turner. 2,484,433, Oct. 11.
Arc welding apparatus, Electric. M. T. Moore. 2,484,421, Oct. 11.
Arc welding with controlled current pulses. L. D. Drugmand. 2,484,155, Oct. 11.
Arrow nock. K. D. Richards. 2,484,589, Oct. 11.
Article covers, Making. C. E. Gardner. 2,484,340, Oct. 11.
Artificial fibers, Production of. L. E. Peterson and S. L. Dart. 2,484,014, Oct. 11.
Artificial respirator. E. McClain. 2,484,306, Oct. 11.

Assembling the cylinders of a radial engine. A. Lee. 2,484,516, Oct. 11.
Assembly, Attenuator. J. P. Smith, Jr. 2,484,126, Oct. 11.
Assembly for dynamoelectric machines, Yoke. A. W. White and R. J. Gilson. 2,484,259, Oct. 11.
Assembly, Pickup. E. P. Girodat. 2,484,704, Oct. 11.
Atomizing structure. A. S. King, Jr. 2,484,037, Oct. 11.
Attachment for hayrakes to operate hayrakes from tractor seats. L. W. Anthony. 2,484,666, Oct. 11.
Attachment plug. J. H. Elsner. 2,484,558, Oct. 11.
Automatically adjustable sickle bar. T. O. Woodin. 2,484,140, Oct. 11.
Bactericidal compositions. A. H. Craige, Jr., and A. L. Kleckner. 2,484,784, Oct. 11.
Bandage, Arch, angle, and leg. F. J. Thibault. 2,484,130, Oct. 11.
Bait casting plug. T. Golembeski. 2,484,162, Oct. 11.
Bait receptacle. H. S. Ross. 2,484,122, Oct. 11.
Bar: *See*—
  Automatically adjustable sickle bar.
Bar soap manufacture. A. H. Knoll. 2,484,098, Oct. 11.
Battery separator. J. A. Grant. 2,484,787, Oct. 11.
Beading machine. J. L. Marsh. 2,484,632, Oct. 11.
Bearing: *See*—
  Shaft bearing.
Bending device comprising hinged bending leaves with removable work-clamping leaf. W. W. Maier. 2,484,518, Oct. 11.
Billfold, Stitchless. J. P. Wege. 2,484,135, Oct. 11.
Binary asphaltic particles, Making. G. B. Mollring. 2,484,792, Oct. 11.
Binder, Loose-leaf. B. C. Roehrl. 2,484,742, Oct. 11.
Bingo card and numbered indicators therefor. J. G. Arnold. 2,484,143, Oct. 11.
Bit: *See*—
  Rock drill bit.
Blasting machine, Sand. C. J. Kammerer and A. N. MacKinnon. 2,484,625, Oct. 11.
Blowpipe head, Laminated. E. B. Scherl. 2,484,123, Oct. 11.
Board: *See*—
  Drawing board. Game board.
Bobbin releaser for weft replenishing looms, Fabricated. W. A. Blanchard. 2,484,399, Oct. 11.
Body construction and door seal. G. H. Lindemann. 2,484,176, Oct. 11.
Bolt and latch bolt lock, Combined dead. I. Jozefowicz. 2,484,571, Oct. 11.
Bombsight with trail angle sighting reflector means. H. A. van Dyke. 2,484,537, Oct. 11.
Bonding aluminum to steel. R. S. Reynolds. 2,484,118, Oct. 11.
Box: *See*—
  Burial box.
  Pressure sealed stuffing box.
Bracket: *See*—
  Pipe bracket.
Bracket. W. C. Eaves. 2,484,021, Oct. 11.
Brake: *See*—
  Caster brake.
Brake mechanism for rail cars. A. L. Lee. 2,484,715, Oct. 11.
Brake mechanism for rotary files. L. R. Houghtaling. 2,484,033, Oct. 11.
Brake safety device, Hydraulic. E. E. Mapes and R. E. Cox. 2,484,177, Oct. 11.
Brassière. M. Witkower. 2,484,440, Oct. 11.
Brazing apparatus, Induction. H. D. Ross, Jr. 2,484,650, Oct. 11.
Brazing fixture, Commutator. C. F. Cobb, J. J. De Windt, and S. A. Weitlauf. 2,484,333, Oct. 11.
Breech closing mechanism for repeating firearms, Two-part. A. A. Dicke. 2,484,694, Oct. 11.
Burial box. W. W. Haase. 2,484,707, Oct. 11.
Burner controlling apparatus, Fuel pressure responsive. F. B. Aubert. 2,484,008, Oct. 11.
Burner of the pot type, Retort. M. Resek. 2,484,184, Oct. 11.
Burner with auxiliary external oxygen supply, Fluid. J. M. Crowe. 2,484,272, Oct. 11.
Bushing, High-voltage. H. J. Lingal and T. R. Watts. 2,484,233, Oct. 11.
Button, Detachable. H. A. Shaffer. 2,484,654, Oct. 11.
Butyric acid, Preparation of. H. J. Hagemeyer, Jr. 2,484,498, Oct. 11.
Calciterol chaulmoograte and process. H. Penau and G. Hagemann. 2,484,526, Oct. 11.
Calculator, Radiograph. J. W. Wilson. 2,484,366, Oct. 11.

Cam structure, Adjustable. B. A. Bels. 2,484,331, Oct. 11.
Camera construction. M. R. Hutchison, Jr. 2,484,510, Oct. 11.
Can: *See*—
Double seal milk can.
Cap: *See*—
Oil tube dust cap.
Car: *See*—
Drop end gondola car. Railway passenger car.
Carbonated water dispenser. W. C. Buttner and H. E. Allshouse. 2,484,779, Oct. 11.
Carboxylic acids by the reduction of beta lactones, Preparation of. J. R. Caldwell. 2,484,486, Oct. 11.
Carotene concentrate, Preparation of. W. Lange and R. G. Folsenlogen. 2,484,040, Oct. 11.
Carriage for trucks. J. P. Silva. 2,484,754, Oct. 11.
Carrier for outboard motors, Collapsible. G. H. Bins. 2,484,677, Oct. 11.
Carry device. R. L. Palmer and B. E. Phelps. 2,484,115, Oct. 11.
Carton, Collapsible. D. Golden. 2,484,065, Oct. 11.
Cartridge, Film. B. C. Roehrl. 2,484,248, Oct. 11.
Caster. G. F. Shepherd. 2,484,189, Oct. 11.
Caster brake. A. H. Jackson. 2,484,094, Oct. 11.
Castor oil, Modifying. M. Agster and R. L. Terrill. 2,484,328, Oct. 11.
Catapult, Plane-landing. M. F. Jones. 2,484,230, Oct. 11.
Catch construction for ironing tables. O. A. Van Pelt. 2,484,768, Oct. 11.
Ceiling suspended, elevatable table. O. F. Blumer. 2,484,678, Oct. 11.
Cell construction, Standard. F. W. Side. 2,484,593, Oct. 11.
Cellulose articles from viscose, Manufacture of. J. A. Calhoun, Jr. 2,484,013, Oct. 11.
Cellulose, Continuously esterifying. L. E. Herdle and E. L. Perkins. 2,484,455, Oct. 11.
Cellulose esters, High clarity. M. E. Martin, L. G. Reed and J. L. Thomas. 2,484,108, Oct. 11.
Cellulose esters, Mixed long chain. G. W. Seymour, B. B. White, and T. G. Davis. 2,484,124, Oct. 11.
Cement block building wall. J. E. Abbott. 2,484,062, Oct. 11.
Check. Door. E. Loehr and E. G. Sprink. 2,484,717, Oct. 11.
Check, Picker stick. E. H. Ashton, R. G. Mallard, and E. A. Mastriani. 2,484,065, Oct. 11.
Checking hinge, Hydraulic. A. J. Swanson. 2,484,764, Oct. 11.
Chlorine dioxide, Producing. G. A. Day and E. F. Fenn. 2,484,402, Oct. 11.
Cigarette and match case, Combined. B. B. Williams. 2,484,327, Oct. 11.
Circuit: *See*—
Electric valve excitation and control circuit. Indicating circuit.
High-frequency bridge circuit.
Circuit controller, Time-delay. J. O. Moorhead. 2,484,112, Oct. 11.
Circuit to modulate a signal, Oscillograph. M. Maron. 2,484,107, Oct. 11.
Circuits, Relay control. S. V. Hart. 2,484,342, Oct. 11.
Clamp: *See*—
Wheel clamp.
Clamp for installing clutch shaft flange rings on a clutch shaft flange, Ring. L. H. Garner. 2,484,025, Oct. 11.
Clasp, Necktie. E. A. Kohout. 2,484,172, Oct. 11.
Classifier for pulverized solid particles, Vortical gaseous-fluid type. W. A. Thomas. 2,484,255, Oct. 11.
Claw pull-down mechanism. E. W. Kellogg and W. R. Isom. 2,484,348. Oct. 11.
Cleaner: *See*—
Movable filter type suction cleaner.
Cleaning implement with blade flexibly connected to shaft, Flue. J. E. Bower. 2,484,267, Oct. 11.
Cleansing device for ball bearing assemblies. S. Bousky. 2,484,149, Oct. 11.
Clip: *See*—
Tire chain clip.
Closure. H. J. Findley. 2,484,083, Oct. 11.
Closure for containers. J. Coyle. 2,484,270, Oct. 11.
Clothes hanger and door knocker, Self-closing. W. Stader. 2,484,535, Oct. 11.
Clothesline extension. J. A. C. Turner. 2,484,432, Oct. 11.
Clutch: *See*—
Torque release clutch.
Coating ferrous metal sheets with an insulating film. F. J. Nagel and C. C. Horstman. 2,484,242, Oct. 11.
Coating process, Lead. I. P. Whitehouse. 2,484,540, Oct. 11.
Coating surfaces with boron. G. R. Martin. 2,484,519, Oct. 11.
Coffee-making device. R. J. Sharp. 2,484,054, Oct. 11.
Coil, Magnet. R. E. Ferris and J. R. Shirley. 2,484,212, Oct. 11.
Coin-controlled switch. N. M. Jackson. 2,484,711, Oct. 11.
Collector, Golf ball. F. W. Wells. 2,484,437, Oct. 11.
Color connection method, Photographic. T. Wheldon. 2,484,137. Oct. 11.
Color couplers, Making. A. Weissberger and I. F. Salminen. 2,484,477, Oct. 11.
Comb, Hair dyeing. H. M. Von Duyke. 2,484,133, Oct. 11.
Communication and alarm system using modulated carrier currents, Railway train. P. N. Bossart. 2,484,680, Oct. 11.
Communication system, Loud speaking. P. E. Demers. 2,484,691, Oct. 11.
Comparator for objects in relation to spaced drawings or reticles, Projection. R. E. Lewis. 2,484,103, Oct. 11.
Composition fabric material, Preparation of. H. Snow and J. D. Hill. 2,484,756, Oct. 11.
Compressor for filing devices. J. R. Jones. 2,484,713, Oct. 11.
Condiment holder. H. E. Beatty and T. W. Mullen. 2,484,148, Oct. 11.
Conductor, Asymmetrical. G. O. Smith. 2,484,252, Oct. 11.
Connection, Power lift. J. H. Starr. 2,484,759, Oct. 11.
Connector: *See*—
Electric connector. Electrical connector.
Connector for thin wall conduits. S. Squiller. 2,484,192, Oct. 11.
Constructing girders and ceilings. W. R. Mathis. 2,484,520, Oct. 11.
Construction of irrigation pipes and flexible pipe joints therefore. G. F. Hauf. 2,484,087, Oct. 11.
Container: *See*—
Lightweight container. Metal container.
Container and closure. F. W. Krueger. 2,484,039, Oct. 11.
Container for tortillas and other heated food. J. Maldonado. 2,484,631, Oct. 11.
Control and testing system. J. R. Dunbar. 2,484,210, Oct. 11.
Control booster for aircraft. W. D. Tipton. 2,484,359, Oct. 11.
Control device for interoffice communication systems. T. E. Essig. 2,484,082, Oct. 11.
Control device, Hydraulic. P. Audemar and C. Duchaussoy. 2,484,603, Oct. 11.
Control lever, Adjustable. W. H. D. Brouse. 2,484,551, Oct. 11.
Control mechanism for automatic transmissions, Electric. R. Brunken and R. Haag. 2,484,011, Oct. 11.
Control mechanism, Overload. W. B. Dulaney. 2,484,616, Oct. 11.
Control system. E. B. Fitzgerald. 2,484,213, Oct. 11.
Control system. J. F. Young. 2,484,262, Oct. 11.
Control system, Airway traffic. O. S. Field, S. N. Wight and R. W. Hewes. 2,484,463, Oct. 11.
Control system, Airway traffic. N. D. Preston and F. B. Hitchcock. 2,484,462, Oct. 11.
Control system, Electrical. G. E. Undy. 2,484,767, Oct 11.
Control system for motors, Speed. E. B. Ankenman and C. E. Center. 2,484,006, Oct. 11.
Control system, Generator fed motor. N. H. Shaw. 2,484,250, Oct. 11.
Control system, Standardized motor. W. P. Wills and L. Stanton. 2,484,367, Oct. 11.
Control valve for hydraulic systems. G. Brinkmann. 2,484,373, Oct. 11.
Controlling apparatus, Railway traffic. L. V. Lewis. 2,484,716, Oct. 11.
Controlling fluid flow through restricted conduits. K. L. Hertel. 2,484,507, Oct. 11.
Conveyer apparatus for use in the assembly of closure caps. J. C. Johnson. 2,484,095, Oct. 11.
Cooler: *See*—
Nested cylinder cooler. Powder cooler.
Cooling system, Anode. W. L. Atwood. 2,484,542, Oct. 11.
Copolymers of enol esters of diketones. H. J. Hagemeyer, Jr. 2,484,501, Oct. 11.
Copolymers of 3,3,3-trifluoropropene. H. E. Schroeder. 2,484,530, Oct. 11.
Core replacing apparatus and method for stranded cables. B. M. Shepard. 2,484,055, Oct. 11.
Corn, Cream style. R. Cover. 2,484,376, Oct. 11.
Corn products. R. Cover. 2,484,375, Oct. 11.
Correcting negatives. E. Devores. 2,484,019, Oct. 11.
Correction device for camera view finders, Parallax. O. Wittel. 2,484,441. Oct. 11.
Cotton harvester, Reciprocating spindle type. L. M. Sperry. 2,484,319, Oct. 11.
Cotton, Picking. A. R. Nisbet, Sr. 2,484,524, Oct. 11.
Counter mechanism. H. J. Mumma. 2,484,113, Oct. 11.
Counting scale, Three-bucket. M. Thorsson. 2,484,324, Oct. 11.
Coupling: *See*—
Detachable coupling. Pump coupling.
Cover: *See*—
Hatch cover.
Cover glass for light signals. W. B. Wells. 2,484,186, Oct. 11.
Cradle for grinding machines, Work supporting. F. P. Healy. 2,484,708, Oct. 11.
Cradle, Wheel. W. B. Smith. 2,484,534, Oct. 11.
Credenza and folding bed, Combined. H. Eramo, J. Marino, and A. T. Eramo. 2,484,377, Oct. 11.
Crutch. W. R. Cole. 2,484,401, Oct. 11.
Crutch, Folding. H. L. Gibson, Sr. 2,484,406, Oct. 11.
Cryptogram machine. L. F. Klink. 2,484,171, Oct. 11.

Cup, Teat. L. Dinesen. 2,484,696, Oct. 11.
Curler and waver, Combination. A. H. Rivard. 2,484,050, Oct. 11.
Curler, Hair. L. J. and M. R. Hall. 2,484,563, Oct. 11.
Cutter: *See*—
Adhesive tape cutter. Vegetable cutter.
Cyanobutenyl acetoacetic esters. H. A. Bruson. 2,484,683, Oct. 11.
Cylinder and concave mill with toothed cooperating surfaces. R. C. Hopkins. 2,484,509, Oct. 11.
Damper, Dynamic. R. Chilton. 2,484,073, Oct. 11.
Damper for dynamoelectric machines, Vibration. J. E. Mulhelm. 2,484,241, Oct. 11.
Damper operating mechanism for electric percussion instruments. P. H. Rowe. 2,484,745, Oct. 11.
Decorating machine, Silk screen stencil. T. S. Bauman. 2,484,671, Oct. 11.
Decorative device simulating a bird or the like, Animated. G. E. Hawes. 2,484,343, Oct. 11.
Deflectometer, Electrical. C. E. Hastings and H. H. Ricker, Jr. 2,484,030, Oct. 11.
Demodulator for frequency modulated signals. T. G. Custin. 2,484,556, Oct. 11.
Deodorization and distillation of fats. J. K. Gunther. 2,484,788, Oct. 11.
Dermatone holder. J. D. Reese. 2,484,740, Oct. 11.
Design for handbags, luggage, and the like, Framed. J. G. Vogel. 2,484,661, Oct. 11.
Detachable coupling. A. P. Buffington. 2,484,684, Oct. 11.
Detecting mud films on exposed rock strata. M. Muskat and N. D. Coggeshall. 2,484,422, Oct. 11.
Developing tank for developing photographic films. S. Freeman. 2,484,378, Oct. 11.
Device feeding knives in rotary tobacco cutting machines. G. Dearsley. 2,484,403, Oct. 11.
Device for breaking up liquid droplets in a gas stream. J. R. Alburger. 2,484,778, Oct. 11.
Device for feminine hygiene. S. T. Handel. 2,484,290, Oct. 11.
Dewaxing oil and continuous rotary filter therefor. W. C. Long and H. O. Button. 2,484,304, Oct. 11.
Dialkyl haloacetals, Stabilization of. H. Beller. 2,484,330, Oct. 11.
Dichloro methyl sulfenyl chloride. S. R. Wood. 2,484,061, Oct. 11.
Die casting machine. S. Hiller and S. Hiller, Jr. 2,484,344, Oct. 11.
Die structure. A. M. Holm. 2,484,032, Oct. 11.
Direction finder, Radio. H. F. Rost, K. H. Thunell, S. D. Vigren, and P. H. E. Claesson. 2,484,651, Oct. 11.
Directory number calling line identifier. J. W. Dehn and W. H. T. Holden. 2,484,612, Oct. 11.
Discharge device, Thermionic. F. E. Gehrke. 2,484,703, Oct. 11.
Discriminator, Pulse length. G. H. Miller and J. A. Krumhansl. 2,484,352, Oct. 11.
Dispenser: *See*—
Carbonated water dis- penser. Weatherproof dispenser.
Dispenser and toothbrush holder, Combination tooth paste. F. L. Starbeck. 2,484,193, Oct. 11.
Dispenser, Ice crusher, and drink mixer, Combined liquid. H. G. Treiss, Jr. 2,484,391, Oct. 11.
Dispensing device, Tape. D. C. Robson and C. N. Stover. 2,484,648, Oct. 11.
Distributor, Feed. G. Overton. 2,484,580, Oct. 11.
Divider, Frequency. K. H. Davis. 2,484,611, Oct. 11.
Diving apparatus, Chin-operated. R. M. Metzger. 2,484,044, Oct. 11.
Door: *See*—
Garage door.
Double seal milk can. J. A. Hopwood. 2,484,624, Oct. 11.
Drain trap. H. Havrenius. 2,484,031, Oct. 11.
Drain valve. E. F. Pain. 2,484,723, Oct. 11.
Drawing board. G. L. Jean. 2,484,294, Oct. 11.
Dressing tool. L. Doerfler. 2,484,404, Oct. 11.
Drill: *See*—
Hammer drill.
Drilling machine for the simultaneous drilling of three holes. R. A. Nielsen. 2,484,243, Oct. 11.
Drive mechanism. H. W. Sanford. 2,484,187, Oct. 11.
Driver for variable resistors. M. B. Arisman, A. J. Vaksvik, and R. W. Magnusen. 2,484,667, Oct. 11.
Drop end gondola car. O. Ingram. 2,484,512, Oct. 11.
Drowning attachment for traps. G. Adkins. 2,484,479, Oct. 11.
Drying unit, Leather. D. A. Kelly. 2,484,349, Oct. 11.
Dual fireplace heater. K. H. Hermanson. 2,484,292, Oct. 11.
Duplicating machine. H. Carson, H. M. Geyer, and J. W. Light. 2,484,553, Oct. 11.
Dust collector and sludge separator. E. F. Fisher. 2,484,277, Oct. 11.
Duster, Foot. M. H. Swerdlow and J. H. Saidel. 2,484,659, Oct. 11.
Dyes and intermediates, Polymethin. F. M. Hamer, R. J. Rathbone, and B. S. Winton. 2,484,503, Oct. 11.
Dynamo electric machine. M. P. Winther. 2,484,138, Oct. 11.
Ejector for firearms, Cartridge. C. H. Benson. 2,484,444, Oct. 11.
Ejector pump. M. B. MacNeille and R. W. Frank. 2,484,105, Oct. 11.
Elastic and elastomeric products, Synthetic. M. M. Sprung. 2,484,595, Oct. 11.
Elastic fabric. A. Silvain. 2,484,125, Oct. 11.
Electric connector. E. E. Norris. 2,484,525, Oct. 11.
Electric motor. M. D. Huston. 2,484,166, Oct. 11.
Electric valve excitation and control circuit. C. C. Herskind and M. J. Mulhern. 2,484,565, Oct. 11.
Electrical connector. C. A. Badeau. 2,484,144, Oct. 11.
Electrical control. D. R. Putt. 2,484,049, Oct. 11.
Electrodeposition apparatus. J. M. Booe. 2,484,068, Oct. 11.
Electromagnetic strain gauge. C. M. Hathaway. 2,484,164, Oct. 11.
Electromagnetic trip device, Reverse current. C. D. Hayward. 2,484,564, Oct. 11.
Electronic device, High-frequency. L. C. Peterson. 2,484,643, Oct. 11.
Electronic tube. J. R. Steinhoff. 2,484,194, Oct. 11.
Electrosurgical resecting instrument. F. J. Wallace. 2,484,059, Oct. 11.
Elevator door lock. J. H. Borden. 2,484,679, Oct. 11.
Emergency safety signal. F. Arnold. 2,484,142, Oct. 11.
Engine: *See*—
Internal-combustion engine.
Engine and operating same, Internal-combustion. E. M. Barber. 2,484,009, Oct. 11.
Epicycloidal train of friction mechanism. J. Boucher. 2,484,605, Oct. 11.
Escapement mechanism, Noiseless. J. C. Veltman and W. O. Michelson. 2,484,198, Oct. 11.
Ester lactones, Preparing. H. J. Hagemeyer, Jr. 2,484,499, Oct. 11.
Evaporator with concentric evaporating chambers, Rotary drum. J. E. Bibby. 2,484,445, Oct. 11.
Excavator cab, Ventilated. W. S. Burdick and H. S. Jacobs. 2,484,685, Oct. 11.
Exchange system, Heat. W. Stelzer. 2,484,127, Oct. 11.
Exercising device. K. J. Chaudoir, Sr. 2,484,153, Oct. 11.
Exposure meter with automatic eye sensitivity compensation, Extinction type. K. Rath. 2,484,735, Oct. 11.
Fabric: *See*—
Elastic fabric.
Fastener: *See*—
Screw fastener.
Feed and discharge mechanism for container handling machines. F. W. Krueger. 2,484,101, Oct. 11.
Feed device for automatic firearms, Cartridge. H. Lippert. 2,484,104, Oct. 11.
Feeding apparatus for straightening machines. D. J. Perdue. 2,484,729, Oct. 11.
Feeding device for cloth, Automatic. J. Dungler. 2,484,020. Oct. 11.
Fence. F. Kouril, Jr. 2,484,413, Oct. 11.
Fibers, Manufacture of. J. A. Calhoun, Jr. 2,484,012, Oct. 11.
Finishing device, Girdle. J. H. Spira. 2,484,253, Oct. 11.
Fish lure. F. T. Roman. 2,484,744, Oct. 11.
Fish lure. J. K. Russell. 2,484,747, Oct. 11.
Fishing reel. B. E. Berlinger. 2,484,546, Oct. 11.
Fishing rod handle. W. M. Henshaw. 2,484,223, Oct. 11.
Fishing rod holder. E. B. Schwenk. 2,484,427, Oct. 11.
Fishing rod tip. G. Patterson. 2,484,727, Oct. 11.
Fittings and making the same, Die cast terminal. A. E. Brickman. 2,484,485, Oct. 11.
Fixture for machine tools. W. C. Sonnie. 2,484,758, Oct. 11.
Fixture, Universal and mill grinding. L. A. Rocheleau. 2,484,590, Oct. 11.
Flexible pocket receptacle. D. J. Broughton. 2,484,682, Oct. 11.
Flexible protective cushion for tire chafer area. E. W. Glen. 2,484,620, Oct. 11.
Floating brake shoe mounting. A. J. Janes. 2,484,410, Oct. 11.
Floor construction, Concrete. R. L. Dickey and H. M. Beatty. 2,484,695, Oct. 11.
Flow diversion valve. E. C. Hartman. 2,484,622, Oct. 11.
Fluid fuel burning internal-combustion air heater. H. J. D. McCollum. 2,484,385, Oct. 11.
Fluorescent lamps fed by direct current. J. M. Pestarini. 2,484,246, Oct. 11.
Fluoromethyltriazines. G. W. Rigby. 2,484,528, Oct. 11.
Fluxmeter. T. A. Rich. 2,484,587, Oct. 11.
Folding seat. W. G. Heifner. 2,484,454, Oct. 11.
Folding wall table. L. W. Walters. 2,484,326, Oct. 11.
Foundation garment, Cross stretch. C. Brown. 2,484,265, Oct. 11.
Fountain pen, Illuminated. J. J. Devine. 2,484,154, Oct. 11.
Fractionating apparatus, Bread loaf. J. P. Hauswald. 2,484,222, Oct. 11.
Frequency-modulation monitoring. C. L. Race. 2,484,586. Oct. 11.
Frozen food plant. P. T. Jude. 2,484,572, Oct. 11.
Fuel burner for boilers. W. M. Fulton. 2,484,161, Oct. 11.
Game board. R. L. Robbins, Jr. 2,484,051, Oct. 11.
Game board and playing pieces therefor. H. W. Gutridge. 2,484,026, Oct. 11.
Game device. A. P. Rippenbein. 2,484,185, Oct. 11.
Garage door. G. Berry and G. W. Sjoboen. 2,484,674, Oct. 11.

Gas density meter. H. E. Criner and R. A. Baudry. 2,484,207, Oct. 11.
Gas flow apparatus. C. B. Gardinier. 2,484,217, Oct. 11.
Gas mixtures, Preparation of. R. J. Ruble. 2,484,249, Oct. 11.
Gasket, Tubular. W. M. De Witt, Sr., and M. K. Cumming. 2,484,693, Oct. 11.
Gauge: *See*—
Electromagnetic strain gauge. Water gauge.
Gear puller. L. W. Taylor. 2,484,129, Oct. 11.
Gelation. C. I. Glassbrook and R. C. Hansford. 2,484,284, Oct. 11.
Generator: *See*—
Harmonic-frequency generator. Harmonic generator.
Glycol monoesters of acrylic and α-methacrylic acids, Preparing. J. R. Caldwell. 2,484,487, Oct. 11.
Golf ball, Practice. B. C. Barton. 2,484,397, Oct. 11.
Grill, Garden. R. H. and R. W. Moon 2,484,239, Oct. 11.
Grinder, Garbage. R. C. Osborn. 2,484,459, Oct. 11.
Grip finder, Golf club. F. Strazza. 2,484,762, Oct. 11.
Guard and mounting, Sickle. O. R. Schoenrock. 2,484,653, Oct. 11.
Guard for painters' use. G. A. Cherem. 2,484,607, Oct. 11.
Guard, Latch bolt. W. L. Garberding. 2,484,024, Oct. 11.
Guard, Sickle. K. L. Magee. 2,484,630, Oct. 11.
Guard, Sickle. O. R. Schoenrock. 2,484,652, Oct. 11.
Guide, Saw filing. R. A. Mease. 2,484,417, Oct. 11.
Gun stock. T. Jachmiec. 2,484,168, Oct. 11.
Gun such as is used in cathode-ray tubes, Electrode. H. Moss. 2,484,721, Oct. 11.
Hair clipper, Double cutter. J. Cromonic. 2,484,610, Oct. 11.
Halogenation of aliphatic conjugated diolefines. P. Mahler. 2,484,042, Oct. 11.
Halogenation of polyvinyl alcohol compounds. H. J. Hagemeyer, Jr. 2,484,502, Oct. 11.
Halter, Adjustable. A. Schacht. 2,484,467, Oct. 11.
Hammer drill. C. A. Shinn. 2,484,471, Oct. 11.
Hand truck for handling outboard motors, Boat seat forming. E. J. Houk and L. A. Strottner. 2,484,227, Oct. 11.
Handle: *See*—
Fishing rod handle.
Handle for vessels, Attachable. M. Simmons. 2,484,531, Oct. 11.
Harmonic-frequency generator. R. E. Sturm. 2,484,763, Oct. 11.
Harmonic generator. L. Blok. 2,484,372, Oct. 11.
Hatch cover. E. Groppell. 2,484,286, Oct. 11.
Head for bore gauges, Feeler. A. Eisele. 2,484,697, Oct. 11.
Hearing aid, Amplifier. M. E. Rose. 2,484,052, Oct. 11.
Hearth for burning solid fuels. A. Adrianoff. 2,484,064, Oct. 11.
Heater: *See*—
Dual fireplace heater. Portable truck heater.
Fluid fuel burning internal-combustion air heater. Wall-type fuel burning heater.
Heater for subsurface materials, Electric. C. S. Ackley. 2,484,063, Oct. 11.
Heater head arrangement, Hot-gas engine. W. J. van Heeckeren. 2,484,393, Oct. 11.
Heating apparatus. C. Logsdon. 2,484,517, Oct. 11.
Heating apparatus and controls therefor, Combustion. F. B. Aubert. 2,484,602, Oct. 11.
Heating apparatus, High-frequency induction. R. J. Detuno. 2,484,613, Oct. 11.
Heating apparatus, Induction. P. F. Molloy. 2,484,238, Oct. 11.
Heating system, Steam. E. P. Harrison. 2,484,086, Oct. 11.
Hedge trimmer, Electric. S. Shipley. 2,484,753, Oct. 11.
High-frequency bridge circuit. W. W. Hansen. 2,484,028, Oct. 11.
Hinge. W. B. Pallmen. 2,484,581, Oct. 11.
Hinge for overhead doors. H. B. Clark. 2,484,609, Oct. 11.
Hitch, Trailer. H. F. Schultz. 2,484,751, Oct. 11.
Holder: *See*—
Condiment holder. Safety ignition key holder.
Dermatone holder. Self-righting cigarette holder.
Fishing rod holder. Toothbrush holder.
Ornamental article holder.
Holder for and package of dental articles. E. M. Lennox. 2,484,627, Oct. 11.
Holder for screw drivers, Screw. C. B. Shreve. 2,484,655, Oct. 11.
Holder for telephones, Pencil. M. J. West. 2,484,363, Oct. 11.
Holding means for bed sheets. M. P. Palsson. 2,484,582, Oct. 11.
Hood, Head covering. M. V. Carlson. 2,484,269, Oct. 11.
Horn, French. C. F. Hubley. 2,484,408, Oct. 11.
Hosiery. H. Mayer. 2,484,522, Oct. 11.
Housing with selectable filters, Photo tube. M. H. Sweet. 2,484,323, Oct. 11.
Humane tail set. C. C. Turner. 2,484,766, Oct. 11.
Hydration of olefins. F. E. Frey. 2,484,702, Oct. 11.
Hydraulic pump. L. R. Williamson. 2,484,439, Oct. 11.
Hydraulic transmission. B. F. Gregory. 2,484,220, Oct. 11.
Hydraulic transmission, Positive displacement. C. W. Cochran. 2,484,015, Oct. 11.
Hydrazine derivatives of pyridazine compounds. M. Hartmann and J. Druey. 2,484,029, Oct. 11.
Hydrocarbon cracking catalyst and process. G. M. Webb and R. W. Moehl. 2,484,258, Oct. 11.
Hydrodynamic machine. W. Ferris. 2,484,337, Oct. 11.
Hydrolyzed cellulose acetate printing plates, Making. H. C. Staehle and C. F. Amering. 2,484,431, Oct. 11.
Ignition composition. W. D. Trevorrow. 2,484,131, Oct. 11.
Ignitor, Electrical. C. H. Bennett and R. E. B. Wakefield. 2,484,544, Oct. 11.
Impeller, Centrifugal. C. Concordia and M. F. Dowell. 2,484,554, Oct. 11.
Improving the adherence of insulating compounds to metals and products resulting therefrom. A. N. Gray. 2,484,705, Oct. 11.
Inclinometer, Universal float. L. K. Perry. 2,484,730, Oct. 11.
Incorporating light sealing material in film cartridge during molding. H. A. Herzig. 2,484,225, Oct. 11.
Indicating circuit. W. H. T. Holden. 2,484,226, Oct. 11.
Indicating device, Electric liquid level. C. A. de Giers. 2,484,690, Oct. 11.
Indicator: *See*—
Tolerance limit indicator.
Indicator mechanism, Dial. J. H. Worthen. 2,484,771, Oct. 11.
Inhibitor, Corrosion. E. A. Bried. 2,484,010, Oct. 11.
Injection apparatus, Electron. J. P. Blewett. 2,484,549, Oct. 11.
Instrument, Direct-current measuring. S. C. Hoare. 2,484,567, Oct. 11.
Instrument, Drawing. E. S. Upton. 2,484,361, Oct. 11.
Instrument, Pressure measuring. A. F. Allwein. 2,484,541, Oct. 11.
Instrument, Stereoscopic observation. J. W. French and C. Foster. 2,484,160, Oct. 11.
Instrument supporting device. R. E. Lee. 2,484,383, Oct. 11.
Instrument, Surgical. J. J. Turner. 2,484,132, Oct. 11.
Internal-combustion engine. F. H. Beall. 2,484,672, Oct. 11.
Iron: *See*—
Tape applying iron.
Irradiating apparatus. G. G. Ellner. 2,484,559, Oct. 11.
Item comparing system, Electrical. A. H. Dickinson. 2,484,081, Oct. 11.
Jar, Vacuum. B. L. Noeth. 2,484,309, Oct. 11.
Kit, Handyshoe shine. J. W. Atkins. 2,484,442, Oct. 11.
Kite. M. Kay. 2,484,096, Oct. 11.
Kite. S. C. Simons. 2,484,316, Oct. 11.
Knee pad. R. O. Ferguson. 2,484,494, Oct. 11.
Knife, Ribbing. C. M. Savrda. 2,484,426, Oct. 11.
Labeler, Box head. M. W. Flynn. 2,484,701, Oct. 11.
Labeling machine. G. W. von Hofe. 2,484,435, Oct. 11.
Laminated products, Obtaining. K. L. Berry. 2,484,484, Oct. 11.
Lamp: *See*—
Outdoor reflecting lamp.
Lamp having a lens for establishing an antiglare screen. E. A. Ackerman. 2,484,796, Oct. 11.
Lamp socket for series lighting circuits. M. C. Waltz. 2,484,596, Oct. 11.
Landing gear and analogous device, Retractable. R. H. A. Thireau. 2,484,660, Oct. 11.
Last, Shoe. E. J. McDaniel and A. R. Summers. 2,484,351, Oct. 11.
Latching device. H. B. Reid. 2,484,738, Oct. 11.
Latensification of photographic images. W. Vanselow and R. F. Quirk. 2,484,538, Oct. 11.
Latent catalysts for acid-curing aldehyde reaction products capable of forming resins under acidic conditions. P. Arthur, Jr. 2,484,481, Oct. 11.
Lawn edger. H. T. Eberhart. 2,484,276, Oct. 11.
Lawn mower. W. Brauer. 2,484,071, Oct. 11.
Lawn mower. L. J. Winchell. 2,484,201, Oct. 11.
Lawn mower blade, Centrifugal rotary. E. J. Ingalls. 2,484,511, Oct. 11.
Lawn mower handle mounting. E. L. Schofield. 2,484,795, Oct. 11.
Lens having bubble elimination means, Fluid. C. Biderman. 2,484,675, Oct. 11.
Lens mount with telescoping lens tubes and locking means. J. L. Quigley and D. C. Harvey. 2,484,464, Oct. 11.
Lifting device. E. J. Leary. 2,484,041, Oct. 11.
Lifting device. J. C. G. Speller. 2,484,658, Oct. 11.
Light apparatus, Ultraviolet. E. R. Capita. 2,484,332, Oct. 11.
Lightweight container. L. E. Cheyney and R. J. McCutcheon. 2,484,608, Oct. 11.
Lighter, Pyrophoric. W. Halko. 2,484,287, Oct. 11.
Lighter, Pyrophoric. W. I. Nissen. 2,484,579, Oct. 11.
Lighting structure, Obstruction. C. K. Lamb. 2,484,350, Oct. 11.
Lining machine and method, Pipe. J. M. Crom. 2,484,018, Oct. 11.
Liquid condensation polymers of bis (hydroxyalkyl) sulfides and bis (hydroxyalkyl) polysulfides. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,484,369, Oct. 11.

Liquid sulfoalkylene-oxyalkylene copolymers. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,484,370, Oct. 11.
Loading device. A. R. Cunningham. 2,484,490, Oct. 11.
Loading mortar, Breech. I. F. Rosenkrantz. 2,484,053, Oct. 11.
Locating pin and clamp, Combined. H. J. Modrey. 2,484,458, Oct. 11.
Lock: *See*—
Elevator door lock. Micrometer lock.
Lock and alarm, Cash drawer. J. F. Wegele. 2,484,597, Oct. 11.
Lock and seal, Combined freight car. E. A. Conaway. 2,484,077, Oct. 11.
Locking means for lever operated rotary actuating bars of door fasteners. G. E. Dath. 2,484,078, Oct. 11.
Lubricating composition. S. J. Barber and J. T. Eaton. 2,484,146, Oct. 11.
Lubricator. A. Feucht. 2,484,338, Oct. 11.
Lug for tamping rollers, Kneading compaction. 2,484,285, Oct. 11.
Machine for clinching a hoop connecting member and the like. H. G. Bell and J. D. Gay, Jr. 2,484,398, Oct. 11.
Machine for making insulating blankets. W. B. Byers. 2,484,686, Oct. 11.
Machine for molding plastic materials, such as confectionery. A. W. Barker. 2,484,670, Oct. 11.
Machine for processing waste fibers. C. W. Barnes and J. W. Cole. 2,484,604, Oct. 11.
Machine for separating and feeding counted batches of articles. G. Turrall and C. H. Skinner. 2,484,196, Oct. 11.
Magazine for magnetic recording and reproducing devices. M. Camras. 2,484,552, Oct. 11.
Magnetic cores, Making. J. G. Ford and F. J. Nagel. 2,484,214, Oct. 11.
Magnetostriction hydrophone. J. R. Kauke. 2,484,036, Oct. 11.
Mailbox, Rural. D. F. McCullar. 2,484,718, Oct. 11.
Maximum demand meter. A. J. Allen. 2,484,396, Oct. 11.
Means to open generator field circuit and to dissipate stored magnetic field energy. E. G. Ratz. 2,484,247, Oct. 11.
Measuring apparatus. J. Rasek. 2,484,737, Oct. 11.
Measuring device, Distance. R. F. Brownell. 2,484,151, Oct. 11.
Measuring device, Sight alignment. G. A. Swartz. 2,484,196, Oct. 11.
Measuring system, Interval. E. J. Isbister. 2,484,034, Oct. 11.
Mechanical device. E. K. Clark. 2,484,206, Oct. 11.
Meso alkyl mercapto substituted carbocyanines and preparing same. L. A. Van de Straete. 2,484,536, Oct. 11.
Metal container. J. Coyle. 2,484,271, Oct. 11.
Meter: *See*—
Gas density meter. Maximum demand meter.
Method and apparatus for control of humidity. T. H. Rhoads and C. A. Southwick, Jr. 2,484,527, Oct. 11.
Method and apparatus for integrating information concerning production and other operating schedules. J. J. Steinberger. 2,484,058, Oct. 11.
Method and apparatus for measuring hardness and intensity of penetrating radiation. R. E. Fearon. 2,484,493, Oct. 11.
Method and apparatus for testing corrosion. J. M. Folz. 2,484,279, Oct. 11.
Method and device relating to absorption refrigerating apparatus. S. M. Bäckström. 2,484,669, Oct. 11.
Methyl oxyfolic acid. G. J. Martin and H. Urist. 2,484,634, Oct. 11.
Micrometer lock. H. Kerslake. 2,484,170, Oct. 11.
Microphotographic apparatus. E. J. Cook. 2,484,448, Oct. 11.
Modulation system. W. P. Mason. 2,484,636, Oct. 11.
Modulator. S. G. Vaughan, E. F. Grant, W. Altar, and M. W. Dodd. 2,484,256, Oct. 11.
Mold: *See*—
Steak mold.
Mold and pattern separating and actuating mechanism. T. A. Renkenberger. 2,484,646, Oct. 11.
Molding and packaging machinery. K. Alberti. 2,484,005, Oct. 11.
Molding machine. C. Jobst. 2,484,712, Oct. 11.
Molding machine, Plastic. A. Ziska. 2,484,777, Oct. 11.
Motion and position control device. C. F. Kezer. 2,484,573, Oct. 11.
Motion-picture reel. D. Kramer. 2,484,100, Oct. 11.
Motor: *See*—
Electric motor. Silent suction motor.
Repulsion synchronous motor.
Motor control apparatus, Electrical follow-up. E. H. Robinson. 2,484,120, Oct. 11.
Motor control, Windshield wiper. I. E. Coffey. 2,484,781, Oct. 11.
Motor follow-up control system, Electric. S. Wald. 2,484,134, Oct. 11.
Motor follow-up system, Electric. H. E. Hartig. 2,484,790, Oct. 11.
Motor-generator control, Flywheel. E. C. Whitney. 2,484,260, Oct. 11.
Motor with propellant charge mounted in it, Reaction. J. W. Parsons. 2,484,355, Oct. 11.
Mounting: *See*—
Floating brake shoe mounting. Piezoelectric crystal mounting.
Lawn mower handle mounting. Tube mounting.
Mounting and tie post for dogs, Combination receptacle. E. B. Atkinson. 2,484,263, Oct. 11.
Mounting for brassières, Detachable frame. J. Glick. 2,484,219, Oct. 11.
Mounting means, Vehicle wheel. V. C. Cass. 2,484,447, Oct. 11.
Movable filter type suction cleaner. W. J. Daugherty. 2,484,491, Oct. 11.
Muffler with retroverted flow, Baffle type. P. J. May. 2,484,521, Oct. 11.
Musical eating bowl. J. P. Mahan. 2,484,414, Oct. 11.
Musical supporting arrangement. G. V. Kahler and E. Ruede. 2,484,411, Oct. 11.
N-substituted oxyacetamide compounds and insect control compositions. L. B. Kilgore. 2,484,295, Oct. 11.
N-substituted oxyacetamides. L. B. Kilgore. 2,484,296, Oct. 11.
Necktie. S. Reiner. 2,484,388, Oct. 11.
Necktie construction. M. M. Newman. 2,484,182, Oct. 11.
Nested cylinder cooler. W. L. Morrison. 2,484,307, Oct. 11.
Neutralising winding for dynamo-electric machines. E. C. Whitney and R. Erhard. 2,484,261, Oct. 11.
Nitrite salts of organic nitrogen bases. A. Wachter and N. Stillman. 2,484,395, Oct. 11.
Nitrocalcohol modified aminoplasts. M. J. Scott. 2,484,315, Oct. 11.
1,4-dihydrazino-phthalazine and its acid salts. J. Druey. 2,484,785, Oct. 11.
Oil tube dust cap. B. E. Eynon and D. Gustafson. 2,484,617, Oct. 11.
Opener, Bob pin. C. C. Rennecamp and W. H. Bartel. 2,484,313, Oct. 11.
Opener, Can. O. H. Hanby. 2,484,504, Oct. 11.
Optical projection apparatus for daylight projection and demonstration. C. W. Hansel. 2,484,505, Oct. 11.
Organic substances, Stabilization of. R. W. Watson and C. M. Loane. 2,484,257, Oct. 11.
Ornamental article holder. G. L. and B. M. Zent. 2,484,776, Oct. 11.
Oscillator, Pulsed. P. A. Duffy, Jr. 2,484,209, Oct. 11.
Oscillator, Pulsed. H. L. Jackson. 2,484,229, Oct. 11.
Oscillator system, Compensated. P. C. Gardiner. 2,484,562, Oct. 11.
Outdoor reflecting lamp. S. J. Hirshfield. 2,484,091, Oct. 11.
Package. L. L. Salisbery. 2,484,749, Oct. 11.
Packing stay, Hat. J. G. Huye. 2,484,167, Oct. 11.
Pad: *See*—
Knee pad.
Page turner, Mechanical. R. F. Mallins. 2,484,106, Oct. 11.
Pants, Children's and girls'. F. J. Wertz. 2,484,478, Oct. 11.
Paper machinery. S. A. Staege. 2,484,473, Oct. 11.
Pedal, Double-action bass drum. S. N. Laverents. 2,484,302, Oct. 11.
Pencil, Magazine. M. F. Comstock. 2,484,555, Oct. 11.
Pencil, Mechanical. J. A. Mustard. 2,484,640, Oct. 11.
Perforating machine, Record. A. W. Mills. 2,484,111, Oct. 11.
Phonograph, Automatic. C. G. Johnson. 2,484,570, Oct. 11.
Phonograph, Automatic. F. G. Zandelin and E. B. Ingelström. 2,484,775, Oct. 11.
Photographic emulsions, Preparing. W. G. Lowe and K. P. Griffin. 2,484,456, Oct. 11.
Photographic material, Bichromate sensitised. W. H. Griggs. 2,484,451, Oct. 11.
Pick-off device for electrical control systems. O. E. Esval. 2,484,022, Oct. 11.
Piezoelectric crystal apparatus. W. P. Mason. 2,484,635, Oct. 11.
Piezoelectric crystal mounting. M. L. Smith. 2,484,428, Oct. 11.
Pipe bracket. B. I. Downs. 2,484,615, Oct. 11.
Pipe connection, Adjustable. J. O'Shaughnessy. 2,484,354, Oct. 11.
Pistol sight, Adjustable. E. H. Young. 2,484,868, Oct. 11.
Piston. F. G. Stock. 2,484,474, Oct. 11.
Plate, Rapping. T. L. Ruddy. 2,484,746, Oct. 11.
Plating machine, Hydraulically operated. J. V. Davis. 2,484,079, Oct. 11.
Plow, Oscillating. T. E. Gordon. 2,484,496, Oct. 11.
Plug: *See*—
Attachment plug. Bait casting plug.
Plug and cap, Light. J. Rivinius. 2,484,465, Oct. 11.
Plug and electrolyte level indicator for storage batteries, Filler. D. P. Gosbeff. 2,484,163, Oct. 11.
Polyamide filaments, Making. W. R. McClellan. 2,484,523, Oct. 11.
Polymerization of vinylidene chloride copolymers. H. P. Staudinger and D. Faulkner. 2,484,760, Oct. 11.
Polymerization process. I. E. Levine and L. T. Folsom. 2,484,384, Oct. 11.
Polytetrafluoroethylene dispersions. K. L. Berry. 2,484,483, Oct. 11.
Polyvinyl dicarboxylic acid esters, Manufacture of. C. J. Malm and L. D. Bearden. 2,484,415, Oct. 11.

Polyvinylamine salts, Preparation of. D. D. Reynolds and W. O. Kenyon. 2,484,423, Oct. 11.
Portable darkroom for developing. B. C. Powers and W. H. Richards. 2,484,049, Oct. 11.
Portable truck heater. E. M. Anderson. 2,484,665, Oct. 11.
Poultry picker, Inclined drum. E. B. Mead. 2,484,235, Oct. 11.
Poultry picker with variable length fingers. E. B. Mead. 2,484,236, Oct. 11.
Powder cooler. J. Boyce. 2,484,070, Oct. 11.
Powdered ointment base of methyl cellulose and sorbitol. A. M. Mattocks, Jr., and W. A. Lazier. 2,484,637, Oct. 11.
Power cutoff switch. J. C. Ziers. 2,484,664, Oct. 11.
Power plant for torpedo propulsion, Chemical type. E. A. Gulbransen. 2,484,221, Oct. 11.
Power plant, Hydropneumatic. B. J. Paulson. 2,484,183, Oct. 11.
Power plant, Wind-driven electric. A. C. Veldhuis. 2,484,197, Oct. 11.
Preparing a sulfur containing phthalocyanine dyestuff. R. L. Mayhew. 2,484,300, Oct. 11.
Preparing quaternized salts of resinous organic polymers containing a basic tertiary nitrogen atom. L. M. Minsk and W. O. Kenyon. 2,484,420, Oct. 11.
Pressure sealed stuffing box. C. H. Youngquist. 2,484,663, Oct. 11.
Primary regulator, Electrical. R. Koller. 2,484,513, Oct. 11.
Process. B. B. Schaeffer. 2,484,469, Oct. 11.
Process and apparatus for purifying pickling acid and recovering sulfates therefrom. N. Swindin. 2,484,799, Oct. 11.
Processing machine. B. A. Brown and H. J. Houck. 2,484,550, Oct. 11.
Prod, Stock. G. H. Bartel. 2,484,147, Oct. 11.
Producing di(alkoxyphenyl) haloethane. D. A. Shirley. 2,484,057, Oct. 11.
Producing 2,2-bis-(4-methoxyphenyl)-1,1,1-trichloroethane. D. A. Shirley. 2,484,056, Oct. 11.
Projection system for speakers' stands, Image. H. S. Goldberg. 2,484,379, Oct. 11.
Propellants, Manufacture of. C. P. Fenimore, L. P. Kuhn and J. H. Fraser. 2,484,023, Oct. 11.
Propeller containing diagonally disposed fibrous material. M. M. Munk. 2,484,308, Oct. 11.
Propeller, Foot-power. A. Montalbano. 2,484,720, Oct. 11.
Propeller mechanism, Variable pitch. J. Remmen. 2,484,739, Oct. 11.
Propeller unit for aircraft. E. H. Desmoulins. 2,484,273, Oct. 11.
Propionic acids by reduction of beta propiono lactones, Preparation of. H. J. Hagemeyer, Jr. 2,484,500, Oct. 11.
Protector: *See*—
Terminal protector.
Puller: *See*—
Gear puller. Shaft puller.
Pulling and pushing device. J. C. Malen. 2,484,043, Oct. 11.
Pump: *See*—
Ejector pump. Hydraulic pump.
Pump. D. G. Miller. 2,484,387, Oct. 11.
Pump and motor, Variable displacement. M. F. Hill, F. A. Hill, 2nd, and J. L. Chapin, Jr. 2,484,789, Oct. 11.
Pump coupling. C. J. Stubau. 2,484,321, Oct. 11.
Pump utilizing the heat of liquids in a plumbing system. J. R. Bayston. 2,484,371, Oct. 11.
Purification of carbonyl sulfide contaminated hydrocarbon gases. A. B. Johnson and J. T. Higgins. 2,484,381, Oct. 11.
Purification of N'-substituted sulfanilamides. V. L. King and E. H. Bart. 2,484,791, Oct. 11.
Push-button device, Lockable. T. F. Rosing. 2,484,424, Oct. 11.
Quaternary salts of polyvinyl pyridine and polyvinyl quinoline. R. H. Sprague and L. G. S. Brooker. 2,484,430, Oct. 11.
Rack and pinion gearing, Adjustable. J. H. Worthen. 2,484,770, Oct. 11.
Rack for phonograph records. L. McGuire. 2,484,719, Oct. 11.
Radio time switch. D. A. Bruton. 2,484,152, Oct. 11.
Railway passenger car. W. Fall. 2,484,786, Oct. 11.
Range finder having uniformly calibrated scale, Reflected. W. Castedello. 2,484,072, Oct. 11.
Rattle, Baby. C. A. Flynn, Jr. 2,484,159, Oct. 11.
Real estate charts, Making. J. M. Keel. 2,484,412, Oct. 11.
Rearrangement and alcoholysis of nitrosyl chloride-isobutylene adduct. A. J. Martin. 2,484,633, Oct. 11.
Receiving system, Wave. H. J. Fisher. 2,484,618, Oct. 11.
Receptacle: *See*—
Bait receptacle. Flexible pocket receptacle.
Receptacle. J. V. Wuestman. 2,484,773, Oct. 11.
Record card. R. E. Paris. 2,484,642, Oct. 11.
Record perforation analyzing means. R. E. Page, H. S. Beattie and G. F. Daly. 2,484,114, Oct. 11.
Recorder method and means, Magnetic. H. A. Howell. 2,484,568, Oct. 11.
Recovering cyclized synthetic polyisoprene. J. D. D'Ianni. 2,484,614, Oct. 11.
Rectifier. W. W. Pendleton, L. J. Berberich and I. R. Smith. 2,484,245, Oct. 11.
Rectifier, Selenium. W. E. Blackburn. 2,484,204, Oct. 11.
Reducing the crease and wrinkling tendencies of cellulosic textile fabrics. M. Weisberg, A. S. Stevenson and L. Beer. 2,484,598, Oct. 11.
Reducing the shrinkage and felting tendencies of protein textile materials. M. Weisberg, A. S. Stevenson and L. Beer. 2,484,599, Oct. 11.
Reel: *See*—
Fishing reel. Motion-picture reel.
Refrigerating apparatus. C. F. Petkwitz. 2,484,584, Oct. 11.
Refrigerating apparatus. L. A. Philipp. 2,484,310, Oct. 11.
Refrigerating apparatus having a freezing chamber and a storage chamber. W. E. Richard. 2,484,588, Oct. 11.
Refrigerating apparatus, Hot-air engine actuated. W. J. van Heeckeren. 2,484,392, Oct. 11.
Regulating system. J. D. Miner, Jr. 2,484,237, Oct. 11.
Regulator with secondary source of potentials, Voltage. L. P. Paradise and W. F. Auerbacher. 2,484,724, Oct. 11.
Relay. G. M. Stapleton. 2,484,358, Oct. 11.
Relay mechanism, Electromagnetic. R. E. Hersey. 2,484,224, Oct. 11.
Relay, Motor control. E. Pearson. 2,484,244, Oct. 11.
Release mechanism, Overload. H. C. Nissen. 2,484,793, Oct. 11.
Remote-control system. W. A. Derr. 2,484,208, Oct. 11.
Removing electroscopic powder from an electrophotographic plate. H. E. Copley. 2,484,782, Oct. 11.
Resilient idler unit, Renewable. A. Searles. 2,484,752, Oct. 11.
Resin compositions, Synthetic. N. C. Foster. 2,484,215, Oct. 11.
Resins comprising copolymers of unsaturated metal esters with liquid polymerizable monomers, Synthetic. N. C. Foster. 2,484,216, Oct. 11.
Resistance device, Thermal responsive. F. R. Quinn. 2,484,585, Oct. 11.
Resistor, Variable. V. E. Payne. 2,484,117, Oct. 11.
Responsive system, Moisture. C. B. Spangenberg. 2,484,594, Oct. 11.
Rest, Telephone receiver. R. Fisher. 2,484,450, Oct. 11.
Retainer for loom shuttles, Cop. E. Green. 2,484,380, Oct. 11.
Retainer, Resilient spring plank. R. B. Cottrell. 2,484,783, Oct. 11.
Riddle, Adjustable. W. F. Smith. 2,484,318, Oct. 11.
Rigid sail construction for boats or the like. W. P. Carl, Jr. 2,484,687, Oct. 11.
Ring: *See*—
Steel piston ring.
Rock drill bit. S. T. G. Wilsher. 2,484,365, Oct. 11.
Ropemaking machine. T. E. Lee. 2,484,303, Oct. 11.
Rotary kiln temperature control. R. S. Walker. 2,484,539, Oct. 11.
Rotary marsh land ditcher. W. E. Rodrigue. 2,484,741, Oct. 11.
Rotary tool. E. R. Whitledge. 2,484,364, Oct. 11.
Rotor and control thereof, Aircraft. A. E. Koeppe. 2,484,099, Oct. 11.
Rotor blade, Skin stressed laminated fiberglas. R. P. Alex. 2,484,141, Oct. 11.
Rotor, Motor. A. R. Meussdorffer. 2,484,386, Oct. 11.
Rotor, Wind. R. R. Hays. 2,484,291, Oct. 11.
Roundabout. A. H. Ragsdale. 2,484,732, Oct. 11.
Safety attachment for drilling machines. J. Pritchett. 2,484,731, Oct. 11.
Safety control apparatus for fuel burners. S. G. Eskin. 2,484,405, Oct. 11.
Safety control apparatus for gas burners. A. A. Lane. 2,484,301, Oct. 11.
Safety ignition key holder. E. C. Bishop. 2,484,547, Oct. 11.
Safety mechanism for preboarding machines. F. Backhus. 2,484,668, Oct. 11.
Saw filing device, Hand-operated. J. E. Whetstine. 2,484,438, Oct. 11.
Scraper. G. J. Teigland. 2,484,476, Oct. 11.
Screen for cinematographic and other projections, Composite. L. Darimont. 2,484,334, Oct. 11.
Screw driver, Rotary impact type. E. Turgeon. 2,484,765, Oct. 11.
Screw fastener. R. K. F. Baumle. 2,484,645, Oct. 11.
Screw-operated vise having vertically adjustable and guided nut-block mounting and guiding a horizontally movable vise-jaw. H. Fuhr. 2,484,339, Oct. 11.
Screw, Self-locking and sealing. O. J. Poupitch. 2,484,644, Oct. 11.
Seal, Bituminous pipe. M. Greenbaum. 2,484,407, Oct. 11.
Seal, Supercharger. D. P. Eastman. 2,484,275, Oct. 11.
Seat: *See*—
Folding seat. Valve seat.
Seat construction, Spring. J. M. Nickelsen and C. E. Read. 2,484,722, Oct. 11.
Sectional cutting table. H. W. Gilbert and W. Deichmann. 2,484,283, Oct. 11.
Selective animal trap. E. J. Schreiber. 2,484,470, Oct. 11.

Selective control device for radio apparatus and the like. R. W. May. 2,484,638, Oct. 11.
Self-righting cigarette holder. D. D. Soccoli. 2,484,757, Oct. 11.
Sensitometer having an optical wedge on a rotating drum, Photographic. M. H. Sweet. 2,484,322, Oct. 11.
Separating adhering sheets by air blast. J. T. O'Hara. 2,484,641, Oct. 11.
Separating machine, Oscillating placer. J. H. Beck. 2,484,203, Oct. 11.
Separation of unsaturated aliphatic hydrocarbons from more saturated aliphatic hydrocarbons. B. J. Mayland and E. E. White. 2,484,305, Oct. 11.
Separator: *See*—
Battery separator.
Sewing machine, Electric. D. Fischbein. 2,484,495, Oct. 11.
Shaft bearing. C. E. Parker. 2,484,725, Oct. 11.
Shaft puller. A. G. Brown. 2,484,400, Oct. 11.
Sharpener, Knife. O. W. Dingerson. 2,484,335, Oct. 11.
Sharpener, Lawn mower. H. E. Feder. 2,484,699, Oct. 11.
Shaving shoulder gears. D. D. Austin, Sr. 2,484,482, Oct. 11.
Sheller, Egg. H. H. De Luce. 2,484,692, Oct. 11.
Shelling machine with adjustable concave, Corn. R. Isay. 2,484,228, Oct. 11.
Shoe and attachment, Sport. H. E. Schatz. 2,484,389, Oct. 11.
Shoe positioning and clamping means. T. B. Clarke and W. A. Barker. 2,484,074, Oct. 11.
Shovel structure and support therefor. W. Jameson. 2,484,409, Oct. 11.
Shower pan construction. G. A. Morthland. 2,484,240, Oct. 11.
Shrinkage control of cellulosic fibers. L. Beer. 2,484,545, Oct. 11.
Shuttlecock. W. J. Studer. 2,484,475, Oct. 11.
Signal: *See*—
Emergency safety signal.
Signaling system, Electrical. W. Saville. 2,484,188, Oct. 11.
Signaling system, Selective electric. E. S. Ruth. 2,484,748, Oct. 11.
Silent suction motor. M. Bitzer. 2,484,548, Oct. 11.
Silicic acid esters, Preparation. W. L. C. van Zwet. 2,484,394, Oct. 11.
Sinker, Fishline. E. B. Schwenk. 2,484,357, Oct. 11.
Slip-lasted footwear, Making. H. W. and E. E. Rollman. 2,484,743, Oct. 11.
Slitting apparatus. E. D. George. 2,484,619, Oct. 11.
Slot wedge for dynamoelectric machines. C. A. Atwell. 2,484,007, Oct. 11.
Snubber. W. L. Schlegel, Jr. 2,484,750, Oct. 11.
Snubber, Parallel motion and picker stick. J. Rinne. 2,484,119, Oct. 11.
Speed control, Motor. H. E. Haynes. 2,484,089, Oct. 11.
Speedometer attachment. O. M. Kirlin. 2,484,038, Oct. 11.
Spike for lawn sprinklers, Turf-anchoring. R. L. E. Reuter. 2,484,794, Oct. 11.
Spindle, Double twist. J. K. Cochran. 2,484,016, Oct. 11.
Sponge rubber, Making. E. C. Van Buskirk and P. V. Butsch. 2,484,434, Oct. 11.
Spool for photographic developing tanks. J. C. Grover, Jr. 2,484,341, Oct. 11.
Spool, Multiple-capacity. R. T. Hedfield. 2,484,090, Oct. 11.
Spray nozzle, Double orifice solid cone. T. W. Murphy. 2,484,577, Oct. 11.
Spreader, Tipping. L. W. Wachter. 2,484,325, Oct. 11.
Spring clip for wire fences. O. B. Fetterman. 2,484,449, Oct. 11.
Stabilizing system, Frequency and speed. F. L. Moseley. 2,484,639, Oct. 11.
Stand for Christmas trees, Adjustable. P. K. Rorvik. 2,484,186, Oct. 11.
Starch powder, Caramel-flavored. A. R. Baldwin and W. Hach. 2,484,543, Oct. 11.
Steak mold. P. J. Pedro. 2,484,460, Oct. 11.
Steel, Free cutting bessemer. F. T. Kent. 2,484,231, Oct. 11.
Steel piston ring. D. W. Hamm. 2,484,288, Oct. 11.
Stereoscope. S. I. Rochwite. 2,484,591, Oct. 11.
Sterilizing device. O. H. Brewster. 2,484,681, Oct. 11.
Stock removing method and apparatus, Rotary. J. D. Rovick. 2,484,314, Oct. 11.
Storage device, Oleopneumatic. J. Mercier. 2,484,418, Oct. 11.
Stretching or pulling apparatus. M. E. Singleton. 2,484,190, Oct. 11.
Strip guide, Fluid operated. L. Iversen. 2,484,347, Oct. 11.
Stylus for graphic recording. F. Krahulec. 2,484,298, Oct. 11.
Substituted lower aliphatic acids, Preparation of. H. J. Hagemeyer, Jr. 2,484,497, Oct. 11.
Support: *See*—
Television tube support.
Support. H. M. Halverson. 2,484,453, Oct. 11.
Supporting stand and shelf. D. M. Kennedy. 2,484,382, Oct. 11.
Surgical dressing. B. D. Morgan. 2,484,045, Oct. 11.
Suspension for vehicles, Wheel. S. G. Fuston. 2,484,280, Oct. 11.
Switch: *See*—
Coin-controlled switch. Radio time switch.
Power cutoff switch. Thermostatic switch.
Switch for single-phase motors, Centrifugal. J. M. Stein and J. R. Greenemeyer. 2,484,254, Oct. 11.
Switching arrangement for polyphase transformers, Interphase winding and ratio adjuster. S. Minneci. 2,484,576, Oct. 11.
Switching system, Phase controlled. O. W. Livingston. 2,484,575, Oct. 11.
Swivel, Swinging. W. R. Leas. 2,484,173, Oct. 11.
Synthetic rubber latices, Treatment of. J. S. Rumbold. 2,484,425, Oct. 11.
Syringe, Dental. A. J. Son. 2,484,657, Oct. 11.
System and apparatus for recording the listening habits of wave signal receiver users. H. A. Rahmel and H. T. Bentley, II. 2,484,733, Oct. 11.
System for timing exposure interval of photographic prints. E. D. Labrum. 2,484,299, Oct. 11.
Table: *See*—
Ceiling suspended, elevatable table. Folding wall table.
Sectional cutting table.
Tape applying iron. R. W. Hiller and W. L. Davidson. 2,484,566, Oct. 11.
Tea bag and buffet tongs. J. F. Perry, Jr. 2,484,461, Oct. 11.
Telecommunication system. G. Deakin. 2,484,080, Oct. 11.
Telegraph repeater, one or more code combinations per start-stop cycle, Regenerative. W. M. Bacon. 2,484,066, Oct. 11.
Telemeter receiver, Self-positioning circuit balancing. R. G. Jewell. 2,484,569, Oct. 11.
Telephone system arranged for voice frequency signaling. B. McKim and J. L. Merrill, Jr. 2,484,234, Oct. 11.
Telephone system, Power line carrier frequency. J. W. Emling. 2,484,211, Oct. 11.
Television tube support. H. E. Hinz. 2,484,345, Oct. 11.
Terminal protector. J. J. Paterno. 2,484,726, Oct. 11.
Testing and operating table for fowls. D. A. Hayes. 2,484,088, Oct. 11.
Testing apparatus, Ignition timer. F. J. Foust, O. W. Childress, Jr., and R. C. Whelchel. 2,484,560, Oct. 11.
Testing device, Gas. H. A. Wintermute. 2,484,202, Oct. 11.
Testing pocket, Can. J. Simpson. 2,484,317, Oct. 11.
Textile article, Composite. R. Hinchliff. 2,484,293, Oct. 11.
Therapeutic sulfonamide compositions. D. Lehr. 2,484,174–5, Oct. 11.
Thermostat valve. M. L. McConnell. 2,484,180, Oct. 11.
Thermostatic switch. J. B. Bader. 2,484,145, Oct. 11.
Thickness measurement. R. A. Heising. 2,484,623, Oct. 11.
3,4-dichlorophenylsulfonyl tribromomethane. W E Craig and W. F. Hester. 2,484,489, Oct. 11.
Throttle valve mechanism. W. B. Walger. 2,484,199, Oct. 11.
Tie stick, Hot line. L. S. Fisher. 2,484,278, Oct. 11.
Timing relay, Electric. E. Mestitz. 2,484,110, Oct. 11.
Tire and rim construction. C. W. Sinclair. 2,484,532, Oct. 11.
Tire chain clip. C. F. Kapp. 2,484,714, Oct. 11.
Tolerance limit indicator. J. H. Worthen. 2,484,772, Oct. 11.
Tool: *See*—
Dressing tool. Rotary tool.
Tool attachment, Reciprocating. M. R. Elser. 2,484,158, Oct. 11.
Toolholder. B. P. Haffey. 2,484,027, Oct. 11.
Toothbrush holder. H. Dunlap. 2,484,157, Oct. 11.
Tooth sprocket, Expansible. J. G. Capstaff. 2,484,446, Oct. 11.
Torque release clutch. C. P. Pepper. 2,484,185, Oct. 11.
Toy, Jet-propelled airplane. T. A. Schaad. 2,484,468, Oct. 11.
Toy, Ocular. H. A. Papke. 2,484,116, Oct. 11.
Toy projectile. G. S. Stevens. 2,484,320, Oct. 11.
Toy pump gun. C. F. Lefever. 2,484,515, Oct. 11.
Tractor equipped with laterally shiftable earth working implement, Garden. E. H. Barnes. 2,484,264, Oct. 11.
Trailer construction, House. J. E. Rebours. 2,484,312, Oct. 11.
Trailer draft member and support. M. Spen. 2,484,429, Oct. 11.
Transducer, Electromechanical. A. C. Keller. 2,484,626, Oct. 11.
Transducer with wear-resistant guide surfaces, Magnetic. E. Keller and F. Roggen. 2,484,097, Oct. 11.
Transmission system, Signal. W. E. Bradley. 2,484,798, Oct. 11.
Transmitter for code communication systems. D. P. Fitzsimmons. 2,484,700, Oct. 11.
Trap: *See*—
Animal trap. Selective animal trap.
Drain trap.
Tray, Ice cube. J. A. F. Roché. 2,484,121, Oct. 11.
Treating scale forming liquors. C. H. Nyman. 2,484,046, Oct. 11.

Treatment of solutions, Ion exchange. E. J. Roberts. 2,484,647, Oct. 11.
Tree climber, Multiple-spur. T. T. Munger and T. Kachin. 2,484,181, Oct. 11.
Trichomonacidical therapeutic composition. J. G. Johnson. 2,484,035, Oct. 11.
Trimming machine, Metal. H. E. Morton and H. B. Clark. 2,484,353, Oct. 11.
Tube: *See*—
Electronic tube.
Tube and circuit, Gaseous. C. J. Fitch and R. M. Eichorn. 2,484,084, Oct. 11.
Tube clamping and severing machine. N. D. Abbey. 2,484,601, Oct. 11.
Tube-forming apparatus. F. V. Collins. 2,484,075, Oct. 11.
Tube forming device. F. V. Collins. 2,484,076, Oct. 11.
Tube mounting. D. J. Nigg. 2,484,578, Oct. 11.
Tube with plated electrode, Discharge. F. Prakke, W. Keeman, and K. Rodenhuis. 2,484,311, Oct. 11.
Turbine, Elastic fluid. H. G. Yates. 2,484,774, Oct. 11.
Turbine wheel. D. P. Eastman. 2,484,274, Oct. 11.
Turnbuckle, Safety. S. Toorans. 2,484,360, Oct. 11.
Turner, Log. J. A. Weber. 2,484,362, Oct. 11.
2-sulfanilamido-4-alkoxymethyl-6-methyl-pyrimidines and their preparation. W. A. Lott and W. Braker. 2,484,629, Oct. 11.
2-sulfanilamido-pyrimidines having an acetal substituent in the pyrimidine nucleus. W. Braker. 2,484,606, Oct. 11.
Typewriter, Justifying. E. Root, III. 2,484,649, Oct. 11.
Undergarment, Children's. W. D. Humphlett. 2,484,710, Oct. 11.
Unloading and conveying mechanism for trucks, Material. J. W. Davis. 2,484,689, Oct. 11.
Unsaturated organic compounds, Production of. A. B. Boese, Jr. 2,484,067, Oct. 11.
Urinal, Portable. L. P. and H. W. Ribeiro. 2,484,356, Oct. 11.
Vacuum system for windshield wipers and crankcase ventilators. E. S. Witchger. 2,484,139, Oct. 11.
Valve: *See*—
Drain valve.
Flow diversion valve.
Thermostat valve.
Valve. J. Le Valley. 2,484,628, Oct. 11.
Valve mechanism. H. A. Meinecke. 2,484,109, Oct. 11.
Valve seat. J. Le Valley. 2,484,102, Oct. 11.
Valve structure for aerating bottles or the like. W. B. Kochner. 2,484,232, Oct. 11.
Valve with dual control. J. E. Dube and G. D. Bower. 2,484,156, Oct. 11.
Variometer, Modified. G. W. Fyler. 2,484,561, Oct. 11.
Vegetable cutter. H. J. Gardner. 2,484,281, Oct. 11.
Ventilator, Plastic window. M. Wolters. 2,484,769, Oct. 11.
Vest or waistcoat. C. Emms. 2,484,698, Oct. 11.
Vibrator. C. Huetten. 2,484,093, Oct. 11.
Vibratory equipment. L. E. Soldan. 2,484,191, Oct. 11.
Viscosimeter. C. R. Stock. 2,484,761, Oct. 11.
Vulcanizing mechanism. S. S. Miner. 2,484,419, Oct. 11.
Wall-type fuel burning heater. H. A. Marble. 2,484,457, Oct. 11.
Washing device for vehicles and other objects. R. S. Corbett. 2,484,488, Oct. 11.
Water gauge. C. M. Angel and R. A. Culbertson. 2,484,329, Oct. 11.
Wax separation. I. E. Pattillo. 2,484,728, Oct. 11.
Weatherproof dispenser. E. Agamaite, Jr. 2,484,797, Oct. 11.
Weed killer, Electrical. G. M. Baker. 2,484,443, Oct. 11.
Wheel: *See*—
Turbine wheel.
Wheel. C. W. Sinclair. 2,484,533, Oct. 11.
Wheel clamp. H. T. Jones. 2,484,169, Oct. 11.
Wheel support and carrier attachment for transporting boats. M. E. Iorns. 2,484,346, Oct. 11.
Window assembly, Ventilator. G. M. Lane and H. G. Thunder. 2,484,514, Oct. 11.
Wire rope making machine. W. T. MacCreadie. 2,484,178, Oct. 11.
Wire rope manufacturing machine. W. T. MacCreadie. 2,484,179, Oct. 11.
Wire stranding device. O. L. Giffin. 2,484,282, Oct. 11.
Work-expelling device for tubular saws. R. L. Brown. 2,484,150, Oct. 11.
Wrapping machine and wrapping. A. B. Clunan and J. F. Stalter. 2,484,780, Oct. 11.
Wrench with pivoted levers, Segmental box-type. J. C. Dingley. 2,484,492, Oct. 11.
Wrist watch. C. W. Werntz. 2,484,200, Oct. 11.
Yoke, Water meter. J. J. Smith. 2,484,755, Oct. 11.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 11, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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U. S. GOVERNMENT PRINTING OFFICE: 1948

October 18, 1949 Volume 627 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Patents expiring: Patent Numbers 1,882,654 to 1,883,859, inclusive, and Plant Patents Numbers, 35 to 36, inclusive, issued October 18, 1932 expire October 18, 1949

Condition of Applications Under Examination at Close of Business Sept. 30, 1949

Total number of patent applications awaiting action, 144,612. Date of oldest new application, November 28, 1947; date of oldest amended application, June 16, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	11-15-48	1-15-48	2828
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	7-16-48	8-27-47	2572
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-24-49	3-24-49	822
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	4-30-48	9-13-47	2034
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	1-5-49	3-3-48	1333
6. BURLE, H., Carbon Chemistry (part)	1-18-49	10-7-48	1653
7. GONSALVES, J. E. (Acting), Optics; Photographic Apparatus	1-29-49	9-25-48	1266
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-14-48	10-17-47	2068
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-22-48	1-3-48	2187
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-3-49	10-27-48	1331
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	10-15-48	3-3-48	2047
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	10-22-48	2-3-48	1794
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-31-47	12-23-47	1867
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	12-10-48	8-26-48	1230
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-24-49	7-13-48	1770
16. LOVEWELL, N. N., Television; Telephony	1-3-49	8-27-48	1331
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	4-15-48	8-2-47	2346
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	9-21-48	2-12-48	2454
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-10-48	5-11-48	1566
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	9-11-48	2-11-48	2053
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26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	1-7-49	10-26-48	1090
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	5-14-48	10-15-47	3220
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-8-48	4-20-48	1901
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-26-48	1-19-48	3217
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	1-4-49	1-3-49	1714
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-15-49	1-5-49	2140
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-28-48	6-25-48	1689
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	4-6-48	2-9-48	4003
34. SAPERSTEIN, A., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators.	9-4-48	5-15-48	1166
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filing and Closing Portable Receptacles, Ammunition and Explosive Charge Making.	7-13-48	6-16-47	3826
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-5-48	10-13-47	1994
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-10-48	6-18-48	1220
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	11-27-48	8-25-48	1629
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	10-30-48	9-23-47	3058
40. DRUMMOND, E. J., Receptacles (part); Packages	11-19-48	2-28-48	3344
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	10-4-48	9-15-47	2243
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	2-9-49	2-16-49	934
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	11-3-48	1174
44. HARVEY, L. P., Beds; Chairs, Seats	2-10-48	10-28-47	2237
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-3-49	2-20-48	2497
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	6-15-48	3-10-48	1629

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 144,612. Date of oldest new application, November 28, 1947; date of oldest amended application, June 16, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
57. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-5-49	5-22-48	2061
58. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-31-48	5-28-48	1380
59. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-18-48	2188
60. LEVIN, SAMUEL, Synthetic Resins	2-3-49	12-10-48	1732
61. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	1-6-49	10-7-48	1536
62. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	6-24-48	12-30-47	3659
63. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-30-48	5-1-48	1843
64. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1-5-49	4-22-48	1312
65. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	1-3-49	8-21-48	1589
66. COCKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification.	12-30-48	10-5-48	1994
67. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-3-48	9-10-47	2123
68. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-1-48	2-4-48	1793
69. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	12-30-48	9-23-48	1273
70. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	1-14-49	9-2-48	872
71. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-28-47	7-2-47	2601
72. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors.	3-24-48	12-13-47	2701
73. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	12-8-48	8-16-48	2182
74. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-5-49	3-1-49	1660
75. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination.	11-28-48	2-28-48	2261
76. LISANN, I., Geometrical Instruments	9-10-48	7-22-47	1818
77. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	1-3-49	6-23-48	1839
78. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	2-15-49	11-16-48	1367
79. CALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	1-3-49	9-12-47	2209
70. BREWRINK, J. L., Firearms, Ordnance; Explosive Device and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-24-48	7-16-48	1756
DESIGNS: BREHM, G. L.	2-10-48	1-18-49	6574

Total number of trade-mark applications awaiting action (including renewals and republications), 28,330. Date of oldest new application, July 1, 1948; date of oldest amended application, August 9, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part); 12, 15, 30, 31, 33, 44, 50	9-1-48	1-3-49	4761
2. KASCHUB, H. E., Class 46	10-1-48	8-9-48	3992
3. SUMMERS, G. S., Classes 21, 23, 26	7-1-48	2-19-49	3509
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	8-2-48	9-17-48	4438
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	8-1-48	10-25-48	3639
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	11-11-48	1-4-49	3767
7. KEYS, C. M., Classes 2, 16, 19, 36, 55	9-23-48	8-27-48	2945
8. GEDIMAN, H. W. [Renewals / Republications] All Classes	7-7-49	8-8-49	663
	7-6-49	8-1-49	616

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

VALPO COMPANY *v.* SOLIS, ENTRIALGO Y COMPANIA

No. 5569. Decided June 28, 1949

[— F.2d —; 82 USPQ 182]

1. TRADE-MARKS—CANCELLATION—WEIGHT GIVEN PRIOR DECISIONS.
   Held that the citation of prior decisions is of little value in cancellation proceedings for the reason that each case must rest upon its own distinctive facts.
2. SAME—SAME—MARK COMPOSED IN PART OF "LOVE."
   Held that neither party can successfully contend that it is entitled to preempt the field with respect to marks having "Love" as a portion thereof, and thus exclude all others from the use of any mark composed in part of the word "Love."
3. SAME—CONFUSION—"FORBIDDEN LOVE" AND "LOVE LANE."
   Held that the marks of both parties must be considered in their entireties, and when thus considered the two expressions differ in appearance, have no similarity in meaning, and are not confusingly similar.

APPEAL from the Patent Office. Cancellation No. 4621.

AFFIRMED. O'CONNELL, *J.*, dissenting.

James R. McKnight and *Robert C. Comstock* for Valpo Company.

Max Wall for Solis, Entrialgo y Compania.

JOHNSON, *J.*:

This is an appeal from the decision of the First Assistant Commissioner of Patents reversing the decision of the Examiner of Interferences sustaining the petition of appellant to cancel the appellee's Trade-Mark Registration No. 334,967 of May 19, 1936, for the trade-mark "FORBIDDEN LOVE" for perfumes and other cosmetics.

In its petition for cancellation, appellant alleged that it is the owner of Trade-Mark Registration No. 220,922, issued to appellant on November 16, 1926, for the notation "LOVE LANE"; that appellant has used its said trade-mark "LOVE LANE" on perfumes in interstate commerce for several years prior to January 23, 1934, the date of use first alleged by appellee on its trade-mark "FORBIDDEN LOVE"; that the goods recited in appellee's Registration No. 334,967 for the notation "FORBIDDEN LOVE" are of the same descriptive properties as appellant's perfumes; that the outlets for the goods of both parties hereto are beauty shops, drug and department stores, and that said goods are sold in the same places over the same counters by the same salespeople, to the same class of purchasers; that the appellee's trade-mark "FORBIDDEN LOVE" is so similar to appellant's trade-mark "LOVE LANE" as to be likely to cause confusion and deceive purchasers as to the origin of the goods, and will result in damage and injury to appellant. The appellant also alleged on information and belief that appellee "has not and is not now using said trade-mark 'FORBIDDEN LOVE' and has abandoned the same."

In its answer to appellant's petition to cancel, the appellee admitted that Certificate of Trade-Mark Registration No. 220,922 was issued to appellant on November 16, 1926; that the goods recited in appellee's Certificate of Registration No. 334,967 are as alleged by appellant in his petition for cancellation; and that the goods bearing appellee's trade-mark "FORBIDDEN LOVE" are sold to and through beauty shops and drug and department stores and through other channels as alleged by appellant. As to all other allegations of appellant's petition to cancel, the appellee's answer either states it is without knowledge or belief and leaves appellant to its proof thereof, or denies each and every substantial matter or thing alleged by appellant.

Appellee's answer also alleged that "it has used and is now using its trade-mark 'FORBIDDEN LOVE' upon or in connection with the goods set out in its Certificate of Registration No. 334,967, in international, interstate and intrastate commerce, and that it has not abandoned said trade-mark nor intended to abandon the same."

No testimony was taken by either party. Both parties filed briefs and were represented by counsel at the hearings.

Appellant relied upon a certified copy of its Registration No. 220,922 of November 6, 1926, for the trade-mark "LOVE LANE" for perfumes, filed after due notice under Rule 154 (*e*) of the Rules of Practice of the United States Patent Office.

Vol. 627 • No. 3 Tuesday, October 18, 1949 Price $17.50 per year

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PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

The vital issue before us is whether the marks are confusingly similar. If they are confusingly similar, injury to appellant would be likely to result from the registration of appellee's mark, and in that event, it should be canceled; but if the marks are not confusingly similar, appellant was not injured, and the action of the First Assistant Commissioner should be sustained.

[1] Both parties have cited many cases involving trade-marks; however, the citation of prior decisions is of little value in cancellation proceedings for the reason that each case must rest upon its own distinctive facts. Likelihood of confusion from alleged similar marks is largely a matter of opinion. *Lever Brothers Co.* v. *George A. Hormel & Co.*, 36 CCPA (Patents) —, — F.2d —, 81 USPQ 814, 623 O. G. 9, and cases cited.

Appellant contends that "the word 'LOVE' is the dominant word of each of the trade-marks 'LOVE LANE' and 'FORBIDDEN LOVE'"; * * * that appellee has taken the dominant word 'LOVE' from appellant's mark 'LOVE LANE' and combined it with another term. The word 'LOVE' still dominates both 'FORBIDDEN LOVE' and 'LOVE LANE' and its dominance in both marks renders confusion in trade likely."

Appellant's contention is to the effect that it is entitled to the exclusive use of the word "LOVE" in connection with perfumes and that any word used either before or after the word "LOVE" would be sufficiently similar to appellant's trade-mark as to be likely to cause confusion.

[2] We think that neither party can successfully contend that it is entitled to preempt the field with respect to marks having "LOVE" as a portion thereof, and thus exclude all others from the use of any mark composed in part of the word "LOVE." See *Miles Laboratories, Inc.* v. *Foley & Co.*, 32 CCPA (Patents) 714, 144 F.2d 888, 63 USPQ 64, 569 O. G. 359.

An examination of the marks here involved shows appellant's mark to be outlined in the shape of a heart with the "V" of the heart forming the letter "V" of the word "LOVE," the base of the letter "L" of the word "LOVE" extending in a straight horizontal line across the center of the heart outline, while above this horizontal line and to the left of the "V" is the letter "O," and to the right of the "V" is the letter "E." The word "LANE" appears below the horizontal line across the center of the heart outline and follows the contour of the lower portion of the heart outline. Appellee's mark consists of the plainly printed words "FORBIDDEN LOVE."

The marks of both parties must be considered in their entireties and when thus considered we agree with the First Assistant Commissioner that "The two expressions, viewed as a whole, differ in appearance and have no similarity in meaning. The word 'LOVE' is of course common to both; but it comes first in petitioner's mark, and last in respondent's, and is combined with radically different words."

We have carefully considered appellant's brief and the argument of counsel, but are of the opinion that the marks here involved are not confusingly similar.

For the reasons stated, the decision of the First Assistant Commissioner is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, *J.*, was not present at the argument of this case and did not participate in the decision.

O'CONNELL, *J.* (dissenting):

The goods of the parties are identical and their trade-marks substantially so in significance. Appellant, admittedly, has used its mark "Love Lane" in the sale of perfume for many years prior to appellee's entry into that field with its mark "Forbidden Love." The goods are sold through beauty shops, drug and department stores, and to the general public, which in making purchases of perfume is not required to stop, look, and analyze the features of the contested marks so as to prevent the newcomer from palming off its merchandise as that of appellant. *Van Camp Sea Food Co., Inc.* v. *Westgate Products Co.*, 18 CCPA (Patents) 1311, 48 F.2d 950, 9 USPQ 417, 411 O. G. 818; *Magitex Co., Inc.* v. *John Hudson Moore, Inc.*, 33 CCPA (Patents) 956, 154 F.2d 177, 69 USPQ 133, 588 O. G. 192.

The word "Love" is the dominant part of each of the marks here in issue, and the law is well settled that trade-marks, or the dominant part thereof, which merely describe the goods with which they are used, or the character or quality thereof, or the purpose for which they are used, cannot be registered, since any one is entitled to use such descriptive words in describing a product of the same kind which he offers for sale to the public or any part thereof. *In re General Permanent Wave Corporation, etc.*, 28 CCPA (Patents) 1099, 118 F.2d 1020, 49 USPQ 184, 530 O. G. 13; *Miles Laboratories, Inc.* v. *Foley & Co.*, 32 CCPA 714, 144 F.2d 888, 63 USPQ 64, 569 O. G. 359; *In re W. A. Sheaffer Pen Company*, 34 CCPA (Patents) 771, 158 F.2d 890, 72 USPQ 129, 596 O. G. 142.

The prevailing opinion cites the Miles Laboratories case and appropriates the doctrine thereof as a basis for holding that "Love" is not a coined or fanciful word but one merely descriptive of merchandise consisting of perfume. The term "Vita" in the Miles Laboratories case was the dominant part of the marks, and the court there properly held that "Vita" was merely descriptive of the vitamin product to which the marks were applied.

Reference to the dictionaries discloses that "love" is nowhere therein defined as perfume nor as possessing any characteristic of perfume. Moreover, there is no evidence of record, as there was in the case of *Parfumerie Roger & Gallet, etc.*, v. *John Wanamaker*, 57 App. D. C. 267, 20 F.2d 283, 366 O. G. 5, upon which the Commissioner erroneously relied below, 74 USPQ 193, in reversing the proper decision of the Examiner of Interferences upon the facts presented. The word "Love" is in nowise descriptive of the merchandise here involved but is purely arbitrary in meaning when applied to perfume and, in the total absence of evidence to the contrary, there is no basis for holding that "Love" is merely descriptive of perfume or a function thereof.

Had appellee wished clearly to indicate the origin of its goods, there are innumerable words which it might have selected or coined, any one of which could not be open to the challenge of confusing similarity to appellant's mark. In view of the facts of record, it is impossible to escape the conclusion that appellee in adopting the mark "Forbidden Love" hoped and expected that it would reap the advantage of appellant's good will, built up by the successful sale of its product over a long period of years, and thereby profit by the confusion in trade by reason of the similarity of its mark to that of appellant. See *Steinreich* v. *The Coca Cola Co.*, 21 CCPA (Patents) 722, 67 F.2d 498, 19 USPQ 288, 438 O. G. 529.

The decision of the Commissioner of Patents, for the reasons hereinbefore stated, should be reversed.

NOTICES

Classification Bulletins Nos. 184-199

Classification Bulletins containing the definitions of the following patent classes, complete as amended through Classification Order No. 55 of July 18, 1949, are now available and may be obtained from the Commissioner of Patents at the prices indicated.

Class	Title	Bulletin No.	Price
6	Bee Culture	184	$0.10
2	Apparel	185	.20
8	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	186	.25
11	Books, Making	187	.10
13	Electric Furnaces	188	.10
14	Bridges	189	.10
17	Butchering	190	.10
19	Textiles, Fiber Preparation	191	.10
21	Preserving, Disinfecting, and Sterilizing	192	.10
26	Textiles, Cloth Finishing	193	.10
27	Undertaking	194	.10
31	Dairy	195	.10
32	Dentistry	196	.10
35	Education	197	.10
37	Excavating	198	.10
72	Masonry and Concrete Structures	199	.10

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,419,211, G. C. Harris, Tall oil treatment, decided Sept. 19, 1949, claims 6 and 7.

Pat. 2,425,788, H. E. Edwards, Laundry apparatus, decided Sept. 15, 1949, claim 4.

Pat. 2,443,398, J. J. Neff, Electronic sequence timer, decided Sept. 20, 1949, claim 3.

Disclaimers

Re. 20,695.—*Charles H. Smoot*, deceased, late of Maplewood, N. J. REMOTE INDICATOR OR REGULATOR. Patent dated Apr. 12, 1938. Disclaimer filed Sept. 10, 1949, by the assignee, *Katherine Smoot*; the licensees, *Smoot Engineering Company* and *Republic Flow Meters Company*, consenting and approving.

Hereby enters this disclaimer to claims 1, 3, 4, 6, and 11 of said patent.

2,441,170.—*Frank William Rose* and *Frederick Walter Steuber*, Swarthmore, Pa. HYDROCARBON CONVERSION BY CONTACT WITH ACTIVE CATALYST AND INERT SOLID HEAT CARRYING MATERIAL. Patent dated May 11, 1948. Disclaimer filed Sept. 14, 1949, by the assignee, *Houdry Process Corporation*.

Hereby disclaims claims 1, 12, 16, 17, and 18 of said patent.

Does not disclaim the phraseology or method of claim 1 as the same is incorporated in, limited by and made part of dependent claim 2; and does not disclaim the phraseology or method of claim 12 as the same is incorporated in, limited by and made part of dependent claims 13, 14 and 15.

Interference Notice

Dodger Beverage Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Haas Brothers, Third and Channel Streets, San Francisco, Calif., for registration of a trade-mark and Registration No. 440,235, issued August 17, 1948, to Dodger Beverage Company, 299 Division Avenue, Brooklyn 11, N. Y., and the notice of such declaration sent by registered mail to the said Dodger Beverage Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless Dodger Beverage Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

September 21, 1949.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

American Telephone and Telegraph Company has placed all of its United States patents on the Register as available for licenses. A notice with a statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE of Feb. 15, 1949.

In accordance with said notice, listings of the patents began in the GAZETTE of Aug. 16, 1949, and have appeared in succeeding issues. The present listing, including Reg. Nos. 28,416 through 29,041, concludes the listings.

Inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

Pat. 2,424,275. Electrical Testing Apparatus. July 22, 1947.

Pat. 2,424,549. Submarine Signal Detector or Receiver. July 29, 1947.

Pat. 2,424,551. Controlling Mechanism. July 29, 1947.

Pat. 2,424,561. System for Locating the Source of an Explosion Wave. July 29, 1947.

Pat. 2,424,564. Geared Speed Reducer With Means for Adjusting Backlash. July 29, 1947.

Pat. 2,424,571. Telegraph Alarm System. July 29, 1947.

Pat. 2,424,576. Oscillator. July 29, 1947.

Pat. 2,424,971. Frequency-Shift Radio Telegraph Transmitting System. Aug. 5, 1947.

Pat. 2,424,982. Directional Radio Antenna Lobe Switching Systems. Aug. 5, 1947.

Pat. 2,424,998. Electrical Transmission System. Aug. 5, 1947.

Pat. 2,425,002. Electrical Apparatus. Aug. 5, 1947.

Pat. 2,425,003. Analysis and Representation of Complex Waves. Aug. 5, 1947.

Pat. 2,425,336. Microwave Directive Antenna. Aug. 12, 1947.

Pat. 2,425,345. Microwave Transmission System. Aug. 12, 1947.

Pat. 2,425,346. Automatic Dead Reckoning Device. Aug. 12, 1947.

Pat. 2,425,361. Magnetic Testing Apparatus. Aug. 12, 1947.

Pat. 2,425,362. Unloading Apparatus. Aug. 12, 1947.

Pat. 2,425,382. Advancing Strip Material. Aug. 12, 1947.

Pat. 2,425,511. Torroidal Coil Winding Machine. Aug. 12, 1947.

Pat. 2,425,525. Strand Tensioning Apparatus. Aug. 12, 1947.

Pat. 2,425,594. Submarine Signal Microphone. Aug. 12, 1947.

Pat. 2,425,725. Casting and Rapid Analysis of Alloys. Aug. 19, 1947.

Pat. 2,425,748. Electron Discharge Device. Aug. 19, 1947.

Pat. 2,425,801. Signaling System. Aug. 19, 1947.

Pat. 2,425,802. Connector. Aug. 19, 1947.

Pat. 2,425,803. Visual Indicator for Teletypewriter Line-Test Key. Aug. 19, 1947.

Pat. 2,425,818. Signaling Apparatus. Aug. 19, 1947.

Pat. 2,425,819. Telegraph Distortion Measuring System. Aug. 19, 1947.

Pat. 2,425,820. Selective System. Aug. 19, 1947.

Pat. 2,425,831. Molding Apparatus. Aug. 19, 1947.

Pat. 2,425,832. Mold. Aug. 19, 1947.

Pat. 2,425,977. Core Covering Apparatus With Tension Controlling and Stopping Means. Aug. 19, 1947.

Pat. 2,426,169. Conveyor and Unloading Apparatus. Aug. 26, 1947.

Pat. 2,426,177. Electrical Resonator. Aug. 26, 1947.

Pat. 2,426,182. Time Division Radar Ranging System. Aug. 26, 1947.

Pat. 2,426,185. Translation of Microwaves. Aug. 26, 1947.

Pat. 2,426,189. Object Locating System. Aug. 26, 1947.

Pat. 2,426,216. A Periodic Pulse Timing System. Aug. 26, 1947.

Pat. 2,426,232. Distance Measuring System. Aug. 26, 1947.

Pat. 2,426,245. Time and Distance Measuring System. Aug. 26, 1947.

Pat. 2,426,589. Control of Signal Power in a Signal Transmission Circuit. Sept. 2, 1947.

Pat. 2,426,595. Switching System. Sept. 2, 1947.

Pat. 2,426,606. Automatic Follow-Up for Motor of Self-Synchronous Type. Sept. 2, 1947.

Pat. 2,426,609. Dielectric Materials. Sept. 2, 1947.

Pat. 2,426,622. Magnetic Field Detector. Sept. 2, 1947.

Pat. 2,426,623. Assembling Articles. Sept. 2, 1947.

Pat. 2,426,626. Electron Discharge Apparatus. Sept. 2, 1947.

Pat. 2,426,633. Wave Transmission Network. Sept. 2, 1947.

Pat. 2,426,649. Coin Collector. Sept. 2, 1947.

Pat. 2,426,650. Soldering a Terminal to a Piezoelectric Crystal. Sept. 2, 1947.

Pat. 2,426,658. Radar Tracking Device. Sept. 2, 1947.

Pat. 2,426,721. Stroboscopic Cathode-Ray Oscilloscope System for Comparing Two Frequencies. Sept. 2, 1947.

Pat. 2,426,858. Insulated Conductors Having Fabric Layers Impregnated With Ester Gum Saturants. Sept. 2, 1947.

Pat. 2,426,981. Automatic Toll Ticketing Arms System. Sept. 9, 1947.

Pat. 2,426,994. Sulphur Cured Unsaturated Polyesters. Sept. 9, 1947.

Pat. 2,426,996. Frequency Modulation. Sept. 9, 1947.

Pat. 2,427,000. Coin-Operated Telephone System. Sept. 9, 1947.

Pat. 2,427,005. Directive Microwave Antenna. Sept. 9, 1947.

Pat. 2,427,012. Sectional Telephone Stall. Sept. 9, 1947.

Pat. 2,427,014. Orienting Device. Sept. 9, 1947.

Pat. 2,427,018. Permanent Magnet Materials. Sept. 9, 1947.

Pat. 2,427,019. Indicator Operating Mechanism. Sept. 9, 1947.

Pat. 2,427,056. Slidably Mounted Tape Loop Former. Sept. 9, 1947.

Pat. 2,427,079. Unwinding and Counting Apparatus. Sept. 9, 1947.

Pat. 2,427,196. Bonding of Vulcanizable Compositions to Metallic Surfaces. Sept. 9, 1947.

Pat. 2,427,197. Bonding of Rubber and Rubber-Like Compositions. Sept. 9, 1947.

Pat. 2,427,198. Conductors Insulated With Rubber Compound Layers Bonded Together. Sept. 9, 1947.

Pat. 2,427,348. Piezoelectric Vibrator. Sept. 16, 1947.

Pat. 2,427,363. Two-Tone Radio Telegraph Transmission Bias Elimination. Sept. 16, 1947.

Pat. 2,427,406. Detector for Locating Imperfections in Knitted Fabrics. Sept. 16, 1947.

Pat. 2,427,417. Manufacturing Electrical Resistors. Sept. 16, 1947.

Pat. 2,427,666. Magnetic Field Strength Indicator. Sept. 23, 1947.

Pat. 2,427,693. Coupling System. Sept. 23, 1947.

Pat. 2,428,007. Telephone Call-Indicating Facilities. Sept. 30, 1947.

Pat. 2,428,058. Object Locating and Distance Measuring Systems of the Pulse Reflection Type. Sept. 30, 1947.

Pat. 2,428,275. Molding Articles. Sept. 30, 1947.

Pat. 2,428,284. Strand Marking Apparatus. Sept. 30, 1947.

Pat. 2,428,363. Negative Feedback Amplifiers. Oct. 7, 1947.

Pat. 2,428,366. Pulse Multiplex System. Oct. 7, 1947.

Pat. 2,428,376. Time Controlled Register for Automatic Telephone Systems. Oct. 7, 1947.

Pat. 2,428,389. Data Transmission System. Oct. 7, 1947.

Pat. 2,428,650. Shearing Tool. Oct. 7, 1947.

Pat. 2,428,698. Feeding Material. Oct. 7, 1947.

Pat. 2,428,767. Electric Motor Control Circuits. Oct. 14, 1947.

Pat. 2,428,770. Automatic Dead-Reckoning Device. Oct. 14, 1947.

Pat. 2,428,779. Ultra-High Frequency Electronic Devices. Oct. 14, 1947.

Pat. 2,428,780. Ultra-High Frequency Electronic Devices. Oct. 14, 1947.

Pat. 2,428,800. Telemetric Summation System. Oct. 14, 1947.

Pat. 2,428,819. Secondary Electron Emission Type of Pulse Generator. Oct. 14, 1947.

Pat. 2,428,958. Assembling Apparatus. Oct. 14, 1947.

Pat. 2,428,965. Painting Surfaces. Oct. 14, 1947.

Pat. 2,428,989. Multi-Component Wave Generator. Oct. 14, 1947.

Pat. 2,429,002. Article Forming Apparatus. Oct. 14, 1947.

Pat. 2,429,216. Electrical Phase Indicating Apparatus. Oct. 21, 1947.

Pat. 2,429,222. Making Contact Wires. Oct. 21, 1947.

Pat. 2,429,229. Analysis and Representation of Complex Waves. Oct. 21, 1947.

Pat. 2,429,236. Analysis and Representation of Complex Waves. Oct. 21, 1947.

Pat. 2,429,261. Air Operated Control for Machines. Oct. 21, 1947.

Pat. 2,429,601. Microwave Radar Directive Antennas. Oct. 28, 1947.

Pat. 2,429,639. Wave Filter. Oct. 28, 1947.

Pat. 2,429,651. Control System for Two-Phase Induction Motors. Oct. 28, 1947.

Pat. 2,429,933. Image Translating Device. Oct. 28, 1947.

Pat. 2,429,944. Shearing Articles. Oct. 28, 1947.

Pat. 2,429,945. Shearing Strips of Plastic Material. Oct. 28, 1947.

Pat. 2,429,988. Temperature Compensated Microphone. Nov. 4, 1947.

Pat. 2,429,995. Film Driving Apparatus. Nov. 4, 1947.

Pat. 2,430,028. Translating Device and Method of Making It. Nov. 4, 1947.

Pat. 2,430,038. Cathode-Ray Device for Improving Signal-to-Noise Ratio in Radar Systems. Nov. 4, 1947.

Pat. 2,430,105. Coil Winding Machines. Nov. 4, 1947.

Pat. 2,430,106. Coil Winding Machines. Nov. 4, 1947.

Pat. 2,430,358. Material Serving Apparatus. Nov. 4, 1947.

Pat. 2,430,365. Assembling Articles. Nov. 4, 1947.

Pat. 2,430,377. Punch Press Actuated Staking Apparatus. Nov. 4, 1947.

Pat. 2,430,445. Air Pressure Seal. Nov. 11, 1947.

Pat. 2,430,447. Printing Telegraph Automatic Switching System. Nov. 11, 1947.

Pat. 2,430,451. Installing Aerial Line Wires. Nov. 11, 1947.

Pat. 2,430,457. Key Control Sender. Nov. 11, 1947.

Pat. 2,430,464. Magnetic Materials. Nov. 11, 1947.

Pat. 2,430,468. Electroplating Silver on Aluminum and Its Alloys. Nov. 11, 1947.

Pat. 2,430,471. Carrier Current Signaling System. Nov. 11, 1947.

Pat. 2,430,488. Adjustable Compensated Standard. Nov. 11, 1947.

Pat. 2,430,606. Adjustment Device. Nov. 11, 1947.

Pat. 2,431,618. Conveyors. Nov. 25, 1947.

Pat. 2,431,692. Alternate Route Telephone Switching Mechanism. Dec. 2, 1947.

Pat. 2,431,696. Relay Design Calculator. Dec. 2, 1947.

Pat. 2,432,083. Hydrophone. Dec. 9, 1947.

Pat. 2,432,084. Electrooptical Control System. Dec. 9, 1947.

Pat. 2,432,092. Relay Testing Device. Dec. 9, 1947.

Pat. 2,432,095. Wave Transmission Networks. Dec. 9, 1947.

Pat. 2,432,094. Impedance Transformer for Wave Guides. Dec. 9, 1947.

Pat. 2,432,097. Ultra High Frequency Detector. Dec. 9, 1947.

Pat. 2,432,100. Two-Way Signal Transmission System. Dec. 9, 1947.

Pat. 2,432,116. Crystal Detector Mounting. Dec. 9, 1947.

Pat. 2,432,117. Alternating Current Generator. Dec. 9, 1947.

Pat. 2,432,120. Electrical Connector. Dec. 9, 1947.

Pat. 2,432,123. Translation of Visual Symbols. Dec. 9, 1947.

Pat. 2,432,134. Directional Radio System. Dec. 9, 1947.

Pat. 2,432,453. Scale Changing System for Stroboscopic Indicator. Dec. 9, 1947.

Pat. 2,432,454. Manual Range Gate for Stroboscopic Indicator. Dec. 9, 1947.

Pat. 2,432,504. Target Asimuth Device. Dec. 16, 1947.

Pat. 2,432,512. Automatic Modulation Control Circuit. Dec. 16, 1947.

Pat. 2,432,518. Ionic Discharge Device. Dec. 16, 1947.

Pat. 2,432,516. Keyed Pulse Generator. Dec. 16, 1947.

Pat. 2,432,525. Locating Submarines. Dec. 16, 1947.

Pat. 2,432,528. Fire Extinguishing Closure for Containers. Dec. 16, 1947.

Pat. 2,432,531. Electric Welding Metals of Different Electrical Resistivities. Dec. 16, 1947.

Pat. 2,432,533. Overload Release Coupling. Dec. 16, 1947.

Pat. 2,432,554. Cleaning and Coating Wire. Dec. 16, 1947.

Pat. 2,432,868. Removing Insulation. Dec. 16, 1947.

Pat. 2,432,913. X-Ray Analysis Apparatus. Dec. 16, 1947.

Pat. 2,432,919. Control Apparatus. Dec. 16, 1947.

Pat. 2,432,944. Oscillograph System for Testing Electrical Contact Making Devices. Dec. 16, 1947.

Pat. 2,432,984. Electromagnetic Wave Reflection System. Dec. 23, 1947.

Pat. 2,433,002. Pulse-Type Position Indicator. Dec. 23, 1947.

Pat. 2,433,337. Magnetostrictive Signal Translating Device. Dec. 30, 1947.

Pat. 2,433,340. Phase Correcting Arrangements for Electronic Type Selecting Systems. Dec. 30, 1947.

Pat. 2,433,357. Vulcanising Polyester Synthetic Rubbers to Metal Bases. Dec. 30, 1947.

Pat. 2,433,366. Telephone Dial Finger Hole Masking Means. Dec. 30, 1947.

Pat. 2,433,382. Recorder System With Electromagnetically Attracted Electric Stylus. Dec. 30, 1947.

Pat. 2,433,383. Crystal Microphone. Dec. 30, 1947.

Pat. 2,433,385. Submarine Locating System. Dec. 30, 1947.

Pat. 2,433,387. Ultra High Frequency Receiver. Dec. 30, 1947.

Pat. 2,433,398. Indicating Keyboard Telephone Call Transmitter. Dec. 30, 1947.

Pat. 2,433,403. Electron Discharge Apparatus. Dec. 30, 1947.

Pat. 2,433,836. Telephone Call Transmitter. Jan. 6, 1948.

Pat. 2,433,863. Pulse Generation Circuit. Jan. 6, 1948.

Pat. 2,434,165. Manufacture of Electric Lamps. Jan. 6, 1948.

Pat. 2,434,169. Drier for Coated Wires. Jan. 6, 1948.

Pat. 2,434,253. Directive Centimetric Antenna. Jan. 13, 1948.

Pat. 2,434,255. Temperature Compensated Wave Propagation Device. Jan. 13, 1948.

Pat. 2,434,259. Circuit Arrangement Utilising a Plurality of Electron Discharge Devices. Jan. 13, 1948.

Pat. 2,434,264. Cathode-Ray Oscilloscope Circuit With Timing Marks. Jan. 13, 1948.

Pat. 2,434,270. Electric Air Position Indicator. Jan. 13, 1948.

Pat. 2,434,273. Wave Translating System. Jan. 13, 1948.

Pat. 2,434,274. Artillery Computer. Jan. 13, 1948.

Pat. 2,434,278. Submarine Detecting Device. Jan. 13, 1948.

Pat. 2,434,285. Compressional Wave Translating Devices. Jan. 13, 1948.

Pat. 2,434,286. Forming a Point at the End of a Wire. Jan. 13, 1948.

Pat. 2,434,336. Continuity and Short-Circuit Test Set. Jan. 13, 1948.

Pat. 2,434,591. Coil Winding Apparatus. Jan. 13, 1948.

Pat. 2,434,594. Molding Apparatus. Jan. 13, 1948.

Pat. 2,434,645. Wave Guide Bend. Jan. 20, 1948.

Pat. 2,434,646. Wave Guide Branching Arrangement. Jan. 20, 1948.

Pat. 2,434,648. Compressional Wave Translating Device. Jan. 20, 1948.

Pat. 2,434,666. Plastic Housing. Jan. 20, 1948.

Pat. 2,434,667. Ultrasonic Prism. Jan. 20, 1948.

Pat. 2,434,669. Oscillation Generator. Jan. 20, 1948.

Pat. 2,434,681. Remotely Controlled Electrical Calculator. Jan. 20, 1948.

Pat. 2,434,692. Making Cores of Magnetic Material for Electromagnetic Coils. Jan. 20, 1948.

Pat. 2,434,744. Assembling Apparatus. Jan. 20, 1948.

Pat. 2,434,864. Detecting Imperfections in Filamentary Materials. Jan. 20, 1948.

Pat. 2,434,898. Digit Registering Means Responsive to Selective Frequencies. Jan. 27, 1948.

Pat. 2,434,900. Sonic Translating Device. Jan. 27, 1948.

Pat. 2,434,909. Circuit Maker and Breaker. Jan. 27, 1948.

Pat. 2,434,930. Ionic Discharge Coating. Jan. 27, 1948.

Pat. 2,434,931. Ionic Discharge Coating. Jan. 27, 1948.

Pat. 2,434,945. Direction Finding Instrument. Jan. 27, 1948.

Pat. 2,434,946. Tone Supply Test Circuit. Jan. 27, 1948.

Pat. 2,434,947. Regulated Rectifier. Jan. 27, 1948.

Pat. 2,434,957. Acoustic Indicator for Directional Receivers. Jan. 27, 1948.

Pat. 2,434,959. Call Transmitter for Interstate Telephone Communication. Jan. 27, 1948.

Pat. 2,435,195. Data Smoothing Network. Feb. 3, 1948.

Pat. 2,435,207. A Phase Synchronised Pulsed Trigger Circuit. Feb. 3, 1948.

Pat. 2,435,262. Self-Modulated Oscillator. Feb. 3, 1948.

Pat. 2,435,266. Testing Cables. Feb. 3, 1948.

Pat. 2,435,284. Splices for Conductors and Method of Splicing Conductors. Feb. 3, 1948.

Pat. 2,435,585. High Frequency Relay Employing an Electron Discharge Device. Feb. 10, 1948.

Pat. 2,435,586. Electron Velocity Sorting Discharge Devices. Feb. 10, 1948.

Pat. 2,435,587. Compressional Wave Signal Device. Feb. 10, 1948.

Pat. 2,435,595. High-Power Compressional Wave Radiator. Feb. 10, 1948.

Pat. 2,435,598. Electric Pulse Delay Circuit. Feb. 10, 1948.

Pat. 2,435,604. Propeller. Feb. 10, 1948.

Pat. 2,435,609. Dipole Antenna. Feb. 10, 1948.

Pat. 2,435,613. Mounting for Electronic Devices. Feb. 10, 1948.

Pat. 2,435,628. Material Working Apparatus. Feb. 10, 1948.

Pat. 2,435,766. Wiper for Use in Metal Plating Apparatus. Feb. 10, 1948.

Pat. 2,435,789. Electric Soldering. Feb. 10, 1948.

Pat. 2,435,795. Tape Dispensing Apparatus. Feb. 10, 1948.

Pat. 2,436,019. Article Supports. Feb. 17, 1948.

Pat. 2,436,179. Cutting Material. Feb. 17, 1948.

Pat. 2,436,229. Recorder. Feb. 17, 1948.

Pat. 2,436,230. Recorder Having Suppression of Spacing Control of Printing Without Suppression of Similar Control for Punching. Feb. 17, 1948.

Pat. 2,436,376. System for Transmitting Intelligence. Feb. 24, 1948.

Pat. 2,436,377. Ultrasonic Compressional Wave Transmission. Feb. 24, 1948.

Pat. 2,436,380. Rapid Sweep Radiating System. Feb. 24, 1948.

Pat. 2,436,384. Sound Recording Device. Feb. 24, 1948.

Pat. 2,436,393. Cathode-Ray Tube With Discharge to Deflecting Plates. Feb. 24, 1948.

Pat. 2,436,395. Pulse Generator. Feb. 24, 1948.

Pat. 2,436,397. Ultra-High Frequency Oscillator. Feb. 24, 1948.

Pat. 2,436,398. Ultra-High Frequency Oscillator. Feb. 24, 1948.

Pat. 2,436,402. Method of Laying Communication Lines. Feb. 24, 1948.

Pat. 2,436,415. Electrical Testing Apparatus. Feb. 24, 1948.

Pat. 2,436,423. Material Working Apparatus. Feb. 24, 1948.

Pat. 2,436,444. Predetermined-Current-Drop Relay System. Feb. 24, 1948.

Pat. 2,436,809. Electric Combination Lock. Mar. 2, 1948.

Pat. 2,436,824. Radio Paging for Vehicles. Mar. 2, 1948.

Pat. 2,436,828. Coupling Arrangements for Use in Wave Transmission Systems. Mar. 2, 1948.

Pat. 2,436,830. Transmission System and Method. Mar. 2, 1948.

Pat. 2,437,101. Length Measuring Apparatus in Combination With a Twisting Machine. Mar. 2, 1948.

Pat. 2,437,111. Cable Clamps. Mar. 2, 1948.

Pat. 2,437,266. Translating Devices. Mar. 9, 1948.

Pat. 2,437,268. Intermittently Operating Automatic Frequency Control. Mar. 9, 1948.

Pat. 2,437,269. Translating Device and Method of Making It. Mar. 9, 1948.

Pat. 2,437,270. Magnetostrictive Compressional Wave Transmitter or Receiver. Mar. 9, 1948.

Pat. 2,437,274. Electron Discharge Apparatus. Mar. 9, 1948.

Pat. 2,437,695. Three-Dimension Radio Direction Finder. Mar. 16, 1948.

Pat. 2,437,698. Printer and Control System Therefor. Mar. 16, 1948.

Pat. 2,437,707. Communication System Employing Pulse Code Modulation. Mar. 16, 1948.

Pat. 2,437,994. Blanking Apparatus. Mar. 16, 1948.

Pat. 2,438,003. Closures. Mar. 16, 1948.

Pat. 2,438,023. Cutting Wires and Forming and Attaching a Sleeve Thereto. Mar. 16, 1948.

Pat. 2,438,110. Electrical Translating Materials and Devices and Method of Making Them. Mar. 23, 1948.

Pat. 2,438,112. Bombsight Computer. Mar. 23, 1948.

Pat. 2,438,119. Wave Transmission. Mar. 23, 1948.

Pat. 2,438,492. Signaling System. Mar. 30, 1948.

Pat. 2,438,511. Copper, Chromium, Arsenic Compound for Wood Preserving. Mar. 30, 1948.

Pat. 2,438,521. Crystal Frequency Converter. Mar. 30, 1948.

Pat. 2,438,755. Vibrating Apparatus. Mar. 30, 1948.

Pat. 2,438,756. Vibrating Apparatus. Mar. 30, 1948.

Pat. 2,438,813. Engraving Apparatus. Mar. 30, 1948.

Pat. 2,438,888. Radio Object Detector Training Device. Apr. 6, 1948.

Pat. 2,438,891. Telephone Booths. Apr. 6, 1948.

Pat. 2,438,892. Electrical Translating Materials and Devices and Methods of Making Them. Apr. 6, 1948.

Pat. 2,438,893. Translating Device. Apr. 6, 1948.

Pat. 2,438,897. Plating Contact Surfaces of Magnetic Reeds. Apr. 6, 1948.

Pat. 2,438,898. Radio Object Locating System Training Device. Apr. 6, 1948.

Pat. 2,438,908. Pulse Code Modulation Communication System. Apr. 6, 1948.

Pat. 2,438,916. Work Holding Nest. Apr. 6, 1948.

Pat. 2,438,925. Magnetostrictive Submarine Signal Transmitter or Receiver. Apr. 6, 1948.

Pat. 2,438,926. Magnetostrictive Supersonic Transducer. Apr. 6, 1948.

Pat. 2,438,936. Electromechanical Transducer. Apr. 6, 1948.

Pat. 2,438,940. Range and Azimuth Simulating System for Radar Instruction. Apr. 6, 1948.

Pat. 2,438,947. Electronic Modulation and Modulation Correction Circuits. Apr. 6, 1948.

Pat. 2,438,948. Modulating System. Apr. 6, 1948.

Pat. 2,438,954. Electronic Oscillator of the Cavity Resonator Type. Apr. 6, 1948.

Pat. 2,438,959. Assembling Arcuate Terminal Banks. Apr. 6, 1948.

Pat. 2,438,974. Extruding Apparatus. Apr. 6, 1948.

Pat. 2,439,159. Fluxing Method in Soldering. Apr. 6, 1948.

Pat. 2,439,190. Electroplating Rack. Apr. 6, 1948.

Pat. 2,439,381. Computing Bombsight. Apr. 13, 1948.

Pat. 2,439,389. Pulse Generator. Apr. 13, 1948.

Pat. 2,439,398. Telegraph System Provided With Channel Assurance and Transmission Regulation. Apr. 13, 1948.

Pat. 2,439,437. Forming Glass Beads on Metallic Elements. Apr. 13, 1948.

Pat. 2,439,517. Induction Heating Apparatus. Apr. 13, 1948.

Pat. 2,439,527. Wave Meter. Apr. 13, 1948.

Pat. 2,439,836. Locating the Direction of Natural Axes of a Quartz Crystal Section. Apr. 20, 1948.

Pat. 2,439,927. Cooling Tools. Apr. 20, 1948.

Pat. 2,439,940. Electrical Insulation Testing Apparatus. Apr. 20, 1948.

Pat. 2,440,040. Applying Tags to Articles. Apr. 20, 1948.

Pat. 2,440,239. Two-Way Carrier Wave Telephone System. Apr. 27, 1948.

Pat. 2,440,248. Object Locating Apparatus. Apr. 27, 1948.

Pat. 2,440,252. Multivibrator. Apr. 27, 1948.

Pat. 2,440,270. Electrical Connector. Apr. 27, 1948.

Pat. 2,440,464. Cutting Apparatus. Apr. 27, 1948.

Pat. 2,440,480. Electrical Insulation Testing Apparatus. Apr. 27, 1948.

Pat. 2,440,487. Corrosion Resistant Filter. Apr. 27, 1948.

Pat. 2,440,694. Piezoelectric Crystal Apparatus. May 4, 1948.

Pat. 2,440,695. Piezoelectric Crystal Apparatus. May 4, 1948.

Pat. 2,440,802. Making Electrical Conductors. May 4, 1948.

Pat. 2,440,809. Material Forming Die. May 4, 1948.

Pat. 2,441,139. Piezoelectric Crystal Mounting. May 11, 1948.

Pat. 2,441,153. Cable Laying Machine. May 11, 1948.

Pat. 2,441,181. Attaching Electrical Terminals to Insulator Cards. May 11, 1948.

Pat. 2,441,207. Printing Telegraph Tape Loop Indicator. May 11, 1948.

Pat. 2,441,353. Disassembling Articles. May 11, 1948.

Pat. 2,441,557. Selective Signaling System. May 18, 1948.

Pat. 2,441,567. Variable Frequency Oscillator. May 18, 1948.

Pat. 2,441,588. Magnetic Materials. May 18, 1948.

Pat. 2,441,590. Translating Devices. May 18, 1948.

Pat. 2,441,596. Mechanism for Adjusting the Amount of Travel of Riders on Lead Screws. May 18, 1948.

Pat. 2,441,598. Wave Transmission. May 18, 1948.

Pat. 2,441,603. Electrical Translating Materials and Method of Making Them. May 18, 1948.

Pat. 2,441,808. Remote Control Mechanism. May 18, 1948.

Pat. 2,441,988. Molding Articles. May 25, 1948.

Pat. 2,442,301. Synchronizing Mechanism for Telegraph System. May 25, 1948.

Pat. 2,442,307. Insulated Electrical Conductor. May 25, 1948.

Pat. 2,442,330. Vulcanizing Saturated Linear Polymers and Vulcanized Products Produced Thereby. June 1, 1948.

Pat. 2,442,351. Training Device for Object Locating Signaling System. June 1, 1948.

Pat. 2,442,378. Electron Discharge Devices. June 1, 1948.

Pat. 2,442,638. Thick Protective Coatings on Permanent Magnets. June 1, 1948.

Pat. 2,442,662. High Frequency Translating Apparatus. June 1, 1948.

Pat. 2,442,702. Selective Signaling System. June 1, 1948.

Pat. 2,442,752. Examining Quartz. June 8, 1948.

Pat. 2,442,755. Piezoelectric Crystal Growing Method. June 8, 1948.

Pat. 2,442,762. Improving the Magnetic Quality of Anisotropic Permanent Magnets. June 8, 1948.

Pat. 2,442,766. Circuit Controlling Switch. June 8, 1948.

Pat. 2,442,773. Sound Suppressor. June 8, 1948.

Pat. 2,442,788. Target Course Simulating Mechanism for Object Locating Training System. June 8, 1948.

Pat. 2,442,791. Acoustic Devices. June 8, 1948.

Pat. 2,442,808. Magnetizing Fixture. June 8, 1948.

Pat. 2,442,810. Dielectric Materials. June 8, 1948.

Pat. 2,442,901. Material Working Apparatus. June 8, 1948.

Pat. 2,442,908. Forming and Sizing Ring Shaped Articles From Metal Blanks. June 8, 1948.

Pat. 2,443,471. Piezoelectric Damping Means for Mechanical Vibrations. June 15, 1948.

Pat. 2,443,529. Directional Antenna System. June 15, 1948.

Pat. 2,443,534. Space Discharge Voltage Regulation Circuit. June 15, 1948.

Pat. 2,443,542. Light-Sensitive Electric Device Including Silicon. June 15, 1948.

Pat. 2,443,592. Heating Dielectric Materials. June 22, 1948.

Pat. 2,443,604. Aircraft Training Apparatus. June 22, 1948.

Pat. 2,443,612. Frequency Selective System. June 22, 1948.

Pat. 2,443,613. Polyethylene Isopropylene Sebacate Adhesive Compositions and Methods and Articles Using Them. June 22, 1948.

Pat. 2,443,619. Pulse Generator of the Shock-Excited Type. June 22, 1948.

Pat. 2,443,623. Data Transmitting and Indicating System. June 22, 1948.

Pat. 2,443,624. Range Computer. June 22, 1948.

Pat. 2,443,631. Simulating Radarscope Images. June 22, 1948.

Pat. 2,443,636. Magnetic Materials. June 22, 1948.

Pat. 2,443,638. Regulated Rectifier. June 22, 1948.

Pat. 2,443,639. Remote Control Apparatus. June 22, 1948.

Pat. 2,443,643. Wave Modifying Device. June 22, 1948.

Pat. 2,443,914. Forming Articles. June 22, 1948.

Pat. 2,444,026. Selective Switch Banks. June 29, 1948.

Pat. 2,444,027. Directly Heated Thermocouple. June 29, 1948.

Pat. 2,444,037. Mounting and Connecting Apparatus. June 29, 1948.

Pat. 2,444,039. Signaling System. June 29, 1948.

Pat. 2,444,049. Pressure Compensated Submarine Sound Transmitter or Receiver. June 29, 1948.

Pat. 2,444,060. Wave Translating Device. June 29, 1948.

Pat. 2,444,061. Magnetostrictive Devices. June 29, 1948.

Pat. 2,444,063. Electric Circuit Equalization. June 29, 1948.

Pat. 2,444,067. Repeating Systems. June 29, 1948.

Pat. 2,444,069. Receiving Sounds in the Presence of Disturbing Noises. June 29, 1948.

Pat. 2,444,074. Portable Coin Collector for Telephone Systems. June 29, 1948.

Pat. 2,444,078. Trouble Alarm Systems. June 29, 1948.

Pat. 2,444,202. Transmitting and Recording Indications of Measuring Devices to Distant Points. June 29, 1948.

Pat. 2,444,338. Oscilloscope Circuit. June 29, 1948.

Pat. 2,444,349. Crystal Oscillator Circuits. June 29, 1948.

Pat. 2,444,407. Electro-Optical Indicating Apparatus. June 29, 1948.

Pat. 2,444,435. Frequency Control of Magnetron Oscillator. July 6, 1948.

Pat. 2,444,448. Planetary Gear Unit. July 6, 1948.

Pat. 2,444,737. Electrical Coils. July 6, 1948.

Pat. 2,444,751. Sorting Magnetic Materials According to Their Residual Magnetism. July 6, 1948.

Pat. 2,444,757. Article Forming Apparatus. July 6, 1948.

Pat. 2,445,282. Tuning Arrangement for Cavity Resonator. July 13, 1948.

Pat. 2,445,402. Gear Measuring Device. July 20, 1948.

Pat. 2,445,406. Circuit Makers and Breakers. July 20, 1948.

Pat. 2,445,409. Automatic Frequency Control. July 20, 1948.

Pat. 2,445,411. Filamentary Electrode Mounting for Electronic Devices. July 20, 1948.

Pat. 2,445,809. Timing Device for Telegraph Circuit. July 27, 1948.

Pat. 2,445,895. Coupling Arrangement for Use in Wave Transmission Systems. July 27, 1948.

Pat. 2,445,896. Dielectric Wave Guide Coupling Arrangement for Use in Two-Way Signaling Systems. July 27, 1948.

Pat. 2,446,630. Range Measurement. Aug. 10, 1948.

Pat. 2,446,647. Detecting Imperfections in Filamentary Materials. Aug. 10, 1948.

Pat. 2,446,672. Method of Machining Article Blanks. Aug. 10, 1948.

Pat. 2,446,674. Cathode-Ray Device Mounting. Aug. 10, 1948.

Pat. 2,446,820. Testing Electric Cables. Aug. 10, 1948.

Pat. 2,446,901. Article Feeding Apparatus. Aug. 10, 1948.

Pat. 2,446,928. Making Dielectric Materials. Aug. 10, 1948.

Pat. 2,446,996. Metal Objects Coated With Lead Alloys. Aug. 17, 1948.

Pat. 2,447,010. Cross Bar Switch. Aug. 17, 1948.

Pat. 2,447,032. Contact Makers and Breakers. Aug. 17, 1948.

Pat. 2,447,533. Automatic Toll Ticketing System. Aug. 24, 1948.

Pat. 2,447,537. Coupled Cavity Resonators. Aug. 24, 1948.

Pat. 2,447,768. Microwave Antennas. Aug. 24, 1948.

Pat. 2,447,884. Material Working Apparatus. Aug. 24, 1948.

Pat. 2,448,364. Pulse Generator. Aug. 31, 1948.

Pat. 2,448,365. Projector and Receiver of Supersonic Frequencies. Aug. 31, 1948.

Pat. 2,448,382. Silencer. Aug. 31, 1948.

Pat. 2,448,572. Composition Comprising an Acyl Peroxide Cured Polyester and an Alkaline Carbonate. Sept. 7, 1948.

Pat. 2,448,573. Cathode Structure for Electron Discharge Devices. Sept. 7, 1948.

Pat. 2,448,581. Testing Circuits for Piezoelectric Crystals. Sept. 7, 1948.

Pat. 2,448,584. Cured Polyester Synthetic Rubbers Formed From Disecondary Glycols. Sept. 7, 1948.

Pat. 2,448,585. Organic Peroxide-Curable and Organic Peroxide-Cured Synthetic Polyester Rubbers. Sept. 7, 1948.

Pat. 2,448,593. Flash and Blast Reducer. Sept. 7, 1948.

Pat. 2,448,609. Composition Comprising Organic Peroxide-Cured Glycol-Dicarboxylic Acid Polyester and Red Oxide of Iron. Sept. 7, 1948.

Pat. 2,448,613. Magnetic Detector. Sept. 7, 1948.

Pat. 2,448,623. Duplex Switch With Leakage Compensation. Sept. 7, 1948.

Pat. 2,448,633. Insulated Electrical Conductor. Sept. 7, 1948.

Pat. 2,448,852. Control Apparatus. Sept. 7, 1948.

Pat. 2,448,947. Injection Molding Apparatus. Sept. 7, 1948.

Pat. 2,449,057. Electrical Testing Devices. Sept. 14, 1948.

Pat. 2,449,072. Wattmeter Circuit. Sept. 14, 1948.

Pat. 2,449,224. Electrical Circuit Control. Sept. 14, 1948.

Pat. 2,449,467. Communication System Employing Pulse Code Modulation. Sept. 14, 1948.

Pat. 2,449,789. Mechanical Deciphering System. Sept. 21, 1948.

Pat. 2,449,848. Pulse-Actuated Circuit. Sept. 21, 1948.

Pat. 2,450,010. Piezoelectric Crystal Apparatus. Sept. 28, 1948.

Pat. 2,450,011. Piezoelectric Crystal Apparatus. Sept. 28, 1948.

Pat. 2,450,429. Electrical Cord. Oct. 5, 1948.

Pat. 2,450,434. Piezoelectric Crystal Apparatus. Oct. 5, 1948.

Pat. 2,450,499. Circuit Maker and Breaker. Oct. 5, 1948.

Pat. 2,450,516. Telemetric Data Transmission System. Oct. 5, 1948.

Pat. 2,450,760. Safety Devices for Rubber Mills. Oct. 5, 1948.

Pat. 2,450,920. Wire Cutting and Bending Press. Oct. 12, 1948.

Pat. 2,450,974. Making Multiple Cables for Terminal Banks. Oct. 12, 1948.

Pat. 2,450,975. Producing a Nitrogen Atmosphere. Oct. 12, 1948.

Pat. 2,450,997. Signaling System. Oct. 12, 1948.

Pat. 2,451,021. Voltage Regulating Amplifier System. Oct. 12, 1948.

Pat. 2,451,044. Communication Systems Employing Pulse Code Modulation. Oct. 12, 1948.

Pat. 2,451,045. Automatic Message Numbering Telegraph Transmitter. Oct. 12, 1948.

Pat. 2,451,413. Coupling Device for Concentric Conductor Lines. Oct. 12, 1948.

Pat. 2,451,416. Intermittent Drive Device. Oct. 12, 1948.

Pat. 2,451,465. Transversal Filter. Oct. 19, 1948.

Pat. 2,451,480. Subharmonic Generators. Oct. 19, 1948.

Pat. 2,451,484. Cathode Ray Signal Utilising Means. Oct. 19, 1948.

Pat. 2,451,489. Progressive Selecting Circuit. Oct. 19, 1948.

Pat. 2,451,556. Electrode Structure for Gaseous Discharge Devices. Oct. 19, 1948.

Pat. 2,451,572. Radiant Energy Measuring Apparatus. Oct. 19, 1948.

Pat. 2,451,609. Arresting Hook Device for Grounded Aircraft Pilot Trainers. Oct. 19, 1948.

Pat. 2,451,632. Control Voltage Means in Pulse Receiver. Oct. 19, 1948.

Pat. 2,451,975. Conveyor. Oct. 19, 1948.

Pat. 2,452,051. Relay System. Oct. 26, 1948.

Pat. 2,452,052. Selectively Responsive Device. Oct. 26, 1948.

Pat. 2,452,079. Relays. Oct. 26, 1948.

Pat. 2,452,114. Balanced Wave Filter. Oct. 26, 1948.

Pat. 2,452,157. Electron Discharge Apparatus. Oct. 26, 1948.

Pat. 2,452,568. Switching Devices. Nov. 2, 1948.

Pat. 2,452,652. Glass Sealing Methods and Machines. Nov. 2, 1948.

Pat. 2,452,655. Cathode Ray Oscilloscope Circuit. Nov. 2, 1948.

Pat. 2,452,664. Interpolating Potential Divider and Computer. Nov. 2, 1948.

Pat. 2,452,679. Radio Frequency Transformer. Nov. 2, 1948.

Pat. 2,452,683. Sweep Circuit. Nov. 2, 1948.

Pat. 2,452,733. Winding Machine. Nov. 2, 1948.

Pat. 2,452,823. Cable Splices. Nov. 2, 1948.

Pat. 2,453,192. Moisture Impervious Vent. Nov. 9, 1948.

Pat. 2,453,248. Frequency Modulating and Harmonic Producer Apparatus. Nov. 9, 1948.

Pat. 2,453,263. Voltage Regulation. Nov. 9, 1948.

Pat. 2,453,313. Manufacturing Communication Cables. Nov. 9, 1948.

Pat. 2,453,435. Piezoelectric Crystal Apparatus. Nov. 9, 1948.

Pat. 2,453,454. Coder for Code Modulation Transmission. Nov. 9, 1949.

Pat. 2,453,461. Code Modulation Communication System. Nov. 9, 1948.

Pat. 2,453,716. High Frequency Tank Circuits. Nov. 16, 1948.

Pat. 2,453,743. Signaling System and Training Device for Target Tracking. Nov. 16, 1948.

Pat. 2,453,749. Coil Winding Machine. Nov. 16, 1948.

Pat. 2,453,759. Tapered Union for Concentric Conductor Lines. Nov. 16, 1948.

Pat. 2,453,760. Cavity Resonators. Nov. 16, 1948.

Pat. 2,454,045. Amplifiers. Nov. 16, 1948.

Pat. 2,454,089. Regenerative Repeater. Nov. 16, 1948.

Pat. 2,454,193. Molding Articles. Nov. 16, 1948.

Pat. 2,454,203. Spinning Apparatus. Nov. 16, 1948.

Pat. 2,454,241. Wire Cutting Apparatus. Nov. 16, 1948.

Pat. 2,454,301. Telegraph System. Nov. 23, 1948.

Pat. 2,454,314. Vacuum Cleaner. Nov. 23, 1948.

Pat. 2,454,328. Piezoelectric Crystal Apparatus. Nov. 23, 1948.

Pat. 2,454,329. Take-up Mechanism. Nov. 23, 1948.

Pat. 2,454,536. Control Apparatus for Forced Drainage. Nov. 23, 1948.

Pat. 2,455,035. Averaging Mechanism. Nov. 30, 1948.

Pat. 2,455,049. Shock-Proof Electromagnetic Circuit Controller. Nov. 30, 1948.

Pat. 2,455,052. Signal Receiving System. Nov. 30, 1948.

Pat. 2,455,094. Velocity Variation Transmitter Receiver. Nov. 30, 1948.

Pat. 2,455,247. Electric Motor Control Apparatus. Nov. 30, 1948.

Pat. 2,455,269. Velocity Variation Apparatus. Nov. 30, 1948.

Pat. 2,455,381. Cathode Assembly for Electron Discharge Devices. Dec. 7, 1948.

Pat. 2,455,386. Ringer Circuits. Dec. 7, 1948.

Pat. 2,455,387. Thermostat-Controlled Heater Circuit. Dec. 7, 1948.

Pat. 2,455,472. Electronically Generating Complex Signals. Dec. 7, 1948.

Pat. 2,455,516. Gauge for Checking the Centerline of Elongate Parts. Dec. 7, 1948.

Pat. 2,455,520. Temperature Controlled Test System. Dec. 7, 1948.

Pat. 2,455,683. Clip for Ceiling Wire. Dec. 7, 1948.

Pat. 2,455,724. Control of Selectors Over Communication Channels by Storage Controlled Transmitters. Dec. 7, 1948.

Pat. 2,455,732. Double Balanced Modulator. Dec. 7, 1948.

Pat. 2,455,816. Telephone Subscriber's Set Illumination. Dec. 7, 1948.

Pat. 2,455,846. Coaxial Lead-In for Electron Discharge Devices. Dec. 7, 1948.

Pat. 2,456,222. Article Forming Apparatus. Dec. 14, 1948.

Pat. 2,456,223. Forming Terminal Ends of Coils. Dec. 14, 1948.

Pat. 2,456,235. Lead Coating Ferrous Articles. Dec. 14, 1948.

Pat. 2,456,264. Flume for Air Laid Wire. Dec. 14, 1948.

Pat. 2,456,305. Closure Device for Crystal Converter. Dec. 14, 1948.

Pat. 2,456,699. Shearing Strips of Plastic Material. Dec. 21, 1948.

Pat. 2,456,704. Testing and Marking Insulated Conductors. Dec. 21, 1948.

Pat. 2,456,726. Translating Device. Dec. 21, 1948.

Pat. 2,456,729. Manual Unshift Mechanism. Dec. 21, 1948.

Pat. 2,456,733. Cipher Checking System. Dec. 21, 1948.

Pat. 2,456,740. Tape Perforator. Dec. 21, 1948.

Pat. 2,456,927. Direct Current Voltage Multipliers. Dec. 21, 1948.

Pat. 2,456,973. Trace Blanking Circuit for Cathode Ray Oscilloscopes. Dec. 21, 1948.

Pat. 2,457,194. Microwave Oscillator. Dec. 28, 1948.

Pat. 2,457,218. Manufacturing Sealed Contact Devices. Dec. 28, 1948.

Pat. 2,457,287. Air Speed Indicating System. Dec. 28, 1948.

Pat. 2,457,515. Insulating Coating Compositions and Method of Making. Dec. 28, 1948.

Pat. 2,457,524. Wave Guide Repeater. Dec. 28, 1948.

Pat. 2,457,527. Acoustic Device. Dec. 28, 1948.

Pat. 2,457,543. Optical Sighting Device Having Reflector Means for Tracking Movable Objects. Dec. 28, 1948.

Pat. 2,457,555. Orientating Quarts Crystals by X-Rays. Dec. 28, 1948.

Pat. 2,457,559. Repeater for Pulse Communication System. Dec. 28, 1948.

Pat. 2,457,562. Antenna Drive Mechanism. Dec. 28, 1948.

Pat. 2,457,588. Split Ring Cord Guide for Step-by-Step Switches. Dec. 28, 1948.

Pat. 2,457,589. Wiper Assembly for Step-by-Step Switches. Dec. 28, 1948.

Pat. 2,457,601. Wave Translating Apparatus. Dec. 28, 1948.

Pat. 2,457,636. Material Serving Apparatus. Dec. 28, 1948.

Pat. 2,457,704. Material Supporting and Cooling Apparatus for Welding Machines. Dec. 28, 1948.

Pat. 2,457,873. Solenoid Operated Switch. Jan. 4, 1949.

Pat. 2,457,892. Pulse Testing Equipment. Jan. 4, 1949.

Pat. 2,457,902. Pressure Measuring Apparatus. Jan. 4, 1949.

Pat. 2,457,986. Synchronization of Time Division Multiplex Communication System. Jan. 4, 1949.

Pat. 2,458,000. Feedback Amplifier or Oscillator. Jan. 4, 1949.

Pat. 2,458,030. Selective Signaling Apparatus and System. Jan. 4, 1949.

Pat. 2,458,175. Directive Antenna Control System. Jan. 4, 1949.

Pat. 2,458,181. Speed Reduction Mechanism. Jan. 4, 1949.

Pat. 2,458,340. Electrically Welding Composite Metal Reel Heads. Jan. 4, 1949.

Pat. 2,458,395. Swaging Apparatus. Jan. 4, 1949.

Pat. 2,458,550. Trainer for Enabling the Giving of Radio Instruction. Jan. 11, 1949.

Pat. 2,458,552. Making Electrical Contacting Elements. Jan. 11, 1949.

Pat. 2,458,553. Electronic Computing Devices. Jan. 11, 1949.

Pat. 2,458,556. Coupled Cavity Resonator and Wave Guide Apparatus. Jan. 11, 1949.

Pat. 2,458,566. Distortion Reduction in Channel Switching. Jan. 11, 1949.

Pat. 2,458,579. Microwave Modulator. Jan. 11, 1949.

Pat. 2,458,586. Self-Synchronous System. Jan. 11, 1949.

Pat. 2,458,599. Circuit for Sampling Balanced Signals. Jan. 11, 1948.

Pat. 2,458,601. Measuring Pressure. Jan. 11, 1949.

Pat. 2,458,615. Piezoelectric Crystal Apparatus. Jan. 11, 1949.

Pat. 2,458,652. Electron Discharge Apparatus,. Jan. 11, 1949.

Pat. 2,458,654. Utilising Microwave Radiation From the Sun. Jan. 11, 1949.

Pat. 2,458,665. Measuring Pressure. Jan. 11, 1949.

Pat. 2,458,734. Mechanical Ciphering System. Jan. 11, 1949.

Pat. 2,458,885. Directive Antenna Systems. Jan. 11, 1949.

Pat. 2,458,928. Welding Fixtures. Jan. 11, 1949.

Pat. 2,459,018. Coating Electrical Devices. Jan. 11, 1949.

Pat. 2,459,019. Piezoelectric Crystal Filter. Jan. 11, 1949.

Pat. 2,459,080. Tunable Magnetron. Jan. 11, 1949.

Pat. 2,459,046. Negative Feedback Amplifiers. Jan. 11, 1949.

Pat. 2,459,117. Object Locating System. Jan. 11, 1949.

Pat. 2,459,228. Article Assembling Apparatus. Jan. 18, 1949.

Pat. 2,459,306. Contact Protection for Mercury Wetted Switch Contacts. Jan. 18, 1949.

Pat. 2,459,336. Collapsible Reels. Jan. 18, 1949.

Pat. 2,459,426. Automatic Stop Motions for Knitting Machines and the Like. Jan. 18, 1949.

Pat. 2,459,863. Electrical Brazing of Conductors. Jan. 25, 1949.

Pat. 2,459,864. Strap Cutting Tool. Jan. 25, 1949.

Pat. 2,459,867. Gunnery Training Device. Jan. 25, 1949.

Pat. 2,459,869. Crystal Growing Apparatus. Jan. 25, 1949.

Pat. 2,459,877. Making a Multi-Ply Cable Sheath. Jan. 25, 1949.

Pat. 2,459,894. Electrical Coil and a Method of Making Such. Jan. 25, 1949.

Pat. 2,459,904. Telegraph Signal Code Translator. Jan. 25, 1949.

Pat. 2,460,064. Motor Control Circuit. Jan. 25, 1949.

Pat. 2,460,075. Transmission Control System. Jan. 25, 1949.

Pat. 2,460,090. Frequency Selective Apparatus. Jan. 25, 1949.

Pat. 2,460,109. Electrical Translating Devices. Jan. 25, 1949.

Pat. 2,460,379. Article Handling Apparatus. Feb. 1, 1949.

Pat. 2,460,401. Directive Microwave Radio Antenna. Feb. 1, 1949.

Pat. 2,460,484. Electrode Unit Assembly. Feb. 1, 1949.

Pat. 2,460,520. Piezoelectric Crystal Apparatus. Feb. 1, 1949.

Pat. 2,460,556. Coil Arrangement for Electromagnetic Device. Feb. 1, 1949.

Pat. 2,460,688. Locating Faults in Cables. Feb. 1, 1949.

Pat. 2,460,702. Registration System. Feb. 1, 1949.

Pat. 2,460,703. Piezoelectric Crystal Apparatus. Feb. 1, 1949.

Pat. 2,460,704. Piezoelectric Crystal Apparatus. Feb. 1, 1949.

Pat. 2,460,743. Aircraft Personnel Trainers. Feb. 1, 1949.

Pat. 2,460,755. Receiver Protective Circuit for Pulse Transmission Systems. Feb. 1, 1949.

Pat. 2,460,767. Control Circuit for Switching Telegraph Facilities. Feb. 1, 1949.

Pat. 2,460,936. Portable Coin Collector for Telephone Systems. Feb. 8, 1949.

Pat. 2,460,964. Molding. Feb. 8, 1949.

Pat. 2,460,972. Cable Reel With Adjustable Drum Port. Feb. 8, 1949.

Pat. 2,461,005. Ultra High Frequency Transmission. Feb. 8, 1949.

Pat. 2,461,143. Gaging Apparatus for Checking the Relative Alignment of Reference Planes of Spaced Articles. Feb. 8, 1949.

Pat. 2,461,200. Automatic Line Voltage Compensator and Impulse Repeater for Signaling System. Feb. 8, 1949.

Pat. 2,461,202. Magnetic Testing Device. Feb. 8, 1949.

Pat. 2,461,241. Telephone Alarm Systems. Feb. 8, 1949.

Pat. 2,461,600. Vulcanising Articles. Feb. 15, 1949.

Pat. 2,461,616. Contact Fixture. Feb. 15, 1949.

Pat. 2,461,647. Applying Plastic Material to Cables. Feb. 15, 1949.

Pat. 2,461,832. Phase Shifting Apparatus. Feb. 15, 1949.

Pat. 2,461,878. Metallising Composition. Feb. 15, 1949.

Pat. 2,461,939. Optical Inspection Apparatus for Use in Inspecting Potentiometer Cards. Feb. 15, 1949.

Pat. 2,462,162. Metallic Oxide Resistors. Feb. 22, 1949.

Pat. 2,462,181. Radio Transmitting Systems. Feb. 22, 1949.

Pat. 2,462,218. Electrical Translators and Methods of Making It. Feb. 22, 1949.

Pat. 2,462,245. Space Discharge Device. Feb. 22, 1949.

Pat. 2,462,303. Material Serving Apparatus. Feb. 22, 1949.

Pat. 2,462,515. Braiding. Feb. 22, 1949.

Pat. 2,463,158. Brazing Articles. Mar. 1, 1949.

Pat. 2,463,180. Making Mosaic Targets for Electron Beams. Mar. 1, 1949.

Pat. 2,463,211. Material Serving Heads. Mar. 1, 1949.

Pat. 2,463,236. Secret Telegraph System. Mar. 1, 1949.

Pat. 2,463,248. Secret Telegraph System. Mar. 1, 1949.

Pat. 2,463,401. Transfer Molding. Mar. 1, 1949.

Pat. 2,463,535. Electron Discharge Device. Mar. 8, 1949.

Pat. 2,463,609. Switching Devices. Mar. 8, 1949.

Pat. 2,463,616. Test Circuit for Piezoelectric Crystals. Mar. 8, 1949.

Pat. 2,463,617. Ultra High Frequency Harmonic Generator. Mar. 8, 1949.

Pat. 2,463,642. Wave Analysis. Mar. 8, 1949.

Pat. 2,463,696. Interlocking Device. Mar. 8, 1949.

Pat. 2,463,756. Manufacture of Electrical Apparatus. Mar. 8, 1949.

Pat. 2,463,895. Article Working Apparatus. Mar. 8, 1949.

Pat. 2,463,928. Article Transferring Apparatus. Mar. 8, 1949.

Pat. 2,464,107. Material Working Apparatus. Mar. 8, 1949.

Pat. 2,464,349. Electronic High Voltage Generator Discharge Device. Mar. 15, 1949.

Pat. 2,464,566. Position Control Systems. Mar. 15, 1949.

Pat. 2,464,594. Phase and Amplitude Control Circuit for Wide Band Amplifiers. Mar. 15, 1949.

Pat. 2,464,607. Pulse Code Modulation Communication System. Mar. 15, 1949.

Pat. 2,464,839. Article Processing Apparatus. Mar. 22, 1949.

Pat. 2,465,468. Testing System and Method. Mar. 29, 1949.

Pat. 2,465,480. Anti Kickoff Circuit for Telegraph Repeaters. Mar. 29, 1949.

Pat. 2,465,507. Intercommunicating Teletypewriter System. Mar. 29, 1949.

Pat. 2,465,531. Transmission Control System. Mar. 29, 1949.

Pat. 2,465,537. Cable Forming Apparatus. Mar. 29, 1949.

Pat. 2,465,539. Call Failure Signaling Arrangement. Mar. 29, 1949.

Pat. 2,465,540. Electrical Connectors. Mar. 29, 1949.

Pat. 2,465,639. Cavity Resonator. Mar. 29, 1949.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 18, 1949

[VOL. 627. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 522,364. EVELYN WESTALL, New York, N. Y. Filed May 14, 1947.

Most Precious

FOR PERFUME, TOILET WATER, AND COLOGNE.
Claims use since Apr. 30, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 520,346. REF MANUFACTURING CORPORATION, Mineola, N. Y. Filed Apr. 8, 1947.

"SEA MAID"

FOR SINK BOWLS.
Claims use since Nov. 20, 1946.

CLASS 19

VEHICLES

Ser. No. 521,712. "AFIH" AKTIENGESELLSCHAFT ZUR FÖRDERUNG VON HANDEL & INDUSTRIE, Winterthur, Canton of Zurich, Switzerland, assignor to Motom G. M. B. H., Zurich, Switzerland, a corporation of Switzerland. Filed May 2, 1947.

Motomic

FOR VEHICLES—NAMELY, MOTOR CARS, MOTOR CYCLES, BICYCLES, AND STRUCTURAL PARTS THEREOF.
Claims use since June 24, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 493,134. G. B. LINDERMAN CORPORATION, Hagerstown, Md. Filed Dec. 12, 1945.

TRONTORK

FOR ELECTRONIC SPEED CONTROL DEVICES FOR DIRECT CURRENT MOTORS WHICH ARE ADAPTED FOR CONNECTION INTO THE ARMATURE CIRCUIT OF THE MOTOR TO VARY THE VOLTAGE SUPPLY THERETO.
Claims use since Oct. 30, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 504,775. THE MABLAN COMPANY, Elyria and Cleveland, Ohio. Filed June 28, 1946.

MABLAN

FOR CHILDREN'S TOY PUSH TRUCKS.
Claims use since May 3, 1946.

Ser. No. 526,266. MAR-O-BLE MANUFACTURING COMPANY, Los Angeles, Calif. Filed July 4, 1947.

MAR-O-BLE

FOR FISHING LEADER LINE SPOOL.
Claims use since Apr. 11, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 496,512. KNAPP-MONARCH COMPANY, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware. Filed Feb. 13, 1946.

Magik Mist

The word "Mist" is disclaimed apart from the mark.
FOR FILLED INSECTICIDE DISPENSERS WITH CONTROL VALVES.
Claims use since Jan. 21, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 523,451. AUTOMATIC PUMP & SOFTENER CORPORATION, Rockford, Ill. Filed June 3, 1947.

Aqua Matic

No claim is made to the expression "Aqua" apart from the mark as shown.

FOR BASE EXCHANGE WATER TREATMENT APPARATUS—NAMELY, WATER SOFTENERS OF THE IONIC AND ZEOLITE PROCESS TYPES.

Claims use since Mar. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 508,640. AMERICAN SEATING COMPANY, Grand Rapids, Mich. Filed Sept. 7, 1946.

Bodiform

FOR CHAIRS OF VARIOUS TYPES, SPECIFICALLY CHAIRS OF THE THEATRE TYPE SUITABLE FOR USE IN THEATRES, AUDITORIUMS, CHURCHES, OFFICES, SHOE STORES, WAITING ROOMS, ETC., AND BENCHES OF THE CHURCH PEW TYPE SUITABLE FOR USE IN CHURCHES, DEPOTS, COURTHOUSES, DEPARTMENT STORES, CHAPELS, LODGES, ETC.

Claims use since Oct. 4, 1938.

Ser. No. 520,771. S. A. F. F. A., S. A. FABBRICHE FIAMMIFERI ED AFFINI, Milano, Italy. Filed Apr. 15, 1947.



The words "Mobili" and "Brevetto" are disclaimed apart from the mark shown.

FOR FURNITURE COMPOSED OF PANELS, SECTIONS OR OTHER PARTS THAT ARE JOINED TOGETHER BY SEPARABLE PAIRS OF JOINTS OR COUPLINGS AND CONSIST IN: DESKS, BOOK CABINETS, FILING CABINETS, SHELVING, TYPEWRITER STANDS, OFFICE CHAIRS AND TABLES, COUNTERS, DISPLAY CABINETS, CHAIRS AND BENCHES FOR RECEPTION ROOMS AND LOUNGES, KITCHEN CHAIRS AND TABLES, KITCHEN CABINETS, CUPBOARDS, BUFFETS, WARDROBES, BEDS, WASH STANDS, BEDROOM CHAIRS, CHESTS OF DRAWERS, CRIBS, LIVING ROOM CHAIRS AND TABLES.

Claims use since Aug. 15, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,058. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

IDEAL

FOR PAPER TABLETS; ACCOUNT, DATA AND ORDER BOOKS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE, PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS OR BANDED PACKAGES; ENVELOPES; AND INDEX CARDS AND GUIDES.

Claims use since 1892.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 512,782. LEWIS PAUL KOHRS, doing business as The Lewis Kohrs Company, Berkeley, Calif. Filed Nov. 18, 1946.

I'LL BET YOU Can't

FOR PRINTED ILLUSTRATIONS, PICTURES, DRAWINGS AND CARTOONS PUBLISHED PERIODICALLY AND FROM TIME TO TIME.

Claims use since Oct. 28, 1946.

Ser. No. 518,967. NORCROSS, INC., New York, N. Y. Filed Mar. 13, 1947.

American Gardens

No claim is made to the word "American" apart from the mark as shown.

FOR GREETING CARDS AND PRINTED GREETING FOLDERS.

Claims use since Mar. 6, 1947.

Ser. No. 520,551. FOSTER AND KLEISER COMPANY, San Francisco, Calif. Filed Apr. 12, 1947.

"BLENTONE"

FOR BILLBOARD POSTERS.

Claims use since Jan. 1, 1946.

Ser. No. 526,236. INTERNATIONAL ASSOCIATION, HIGH TWELVE CLUBS, St. Louis, Mo. Filed July 4, 1947.

HIGH TWELVE

FOR MONTHLY MAGAZINE.

Claims use since May 17, 1921.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 506,979. LEONARD BARR, doing business as Epilationmaster Manufacturing Company, Newark, N. J. Filed Aug. 7, 1946.



The words "M'F'G. Co." and the representation of the electrolysis needle and the mythical coiled snake and snake feeding stand are disclaimed apart from the mark.

FOR ELECTRICAL HAIR-REMOVING MACHINE.

Claims use since July 23, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 523,258. FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed May 29, 1947.



The word "Fulton" is disclaimed apart from the mark. The drawing is lined to indicate the color yellow.

FOR TARPAULINS AND CANVAS COVERS USED FOR THE PROTECTION OF TRUCKS AND THEIR LOADS, MERCHANDISE PILED ON DOCKS, WHARVES, AND RAILROAD STATION PLATFORMS READY FOR SHIPMENT, AGRICULTURAL FIELD IMPLEMENTS AND MACHINES, HAY AND GRAIN STACKS AND SHOCKS OF GRAIN IN FIELDS, AND BASEBALL AND FOOTBALL FIELDS.

Claims use since Nov. 19, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 21 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 561,354. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed July 14, 1948.

Dakota Star

FOR LIGNITE COAL.

Claims use since Dec. 15, 1944.

Ser. No. 561,356. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed July 14, 1948.

Velva

FOR LIGNITE COAL.

Claims use since Oct. 1, 1927.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 534,489. THE UTILITY CO., INC., New York, N. Y. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Powdered
GRE-SOLVENT

The word "Powdered" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 215,003, 344,999, and 404,378.

FOR DETERGENT FOR CLEANSING THE SKIN, METAL, KITCHEN-UTENSILS, ENAMEL, TILE, GLASSWARE, RANGES, REFRIGERATORS, AND SIMILAR ARTICLES.

Claims use on "Gre-Solvent" since Feb. 12, 1903; and on the mark as shown since Sept. 16, 1936.

Ser. No. 549,704. JOHN H. BRECK, INC., Springfield, Mass. Filed Feb. 14, 1948. Under section 2f of the act of 1946.

BRECK

FOR HAIR SOAPS IN CAKE OR BAR FORM, HAND SOAPS IN CAKE OR BAR FORM, AND HAND CLEANERS IN THE NATURE OF SOAPS OR SIMILAR TYPES OF DETERGENTS.

Claims use since July 10, 1941.

Ser. No. 555,478. THE ARMAND COMPANY, Des Moines, Iowa. Filed Apr. 24, 1948.

Pearls in Wine

Applicant claims ownership of Registrations Nos. 388,325 and 435,953.

FOR HAND AND BATH SOAP.

Claims use since Mar. 19, 1948.

CLASS 5

ADHESIVES

Ser. No. 558,058. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed May 28, 1948.

Lino-weld

FOR ADHESIVE FOR LAYING LINOLEUM.

Claims use since April 1946.

Ser. No. 565,609. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 22, 1948. Under section 2f of the act of 1946.

Ku-Glu

FOR GLUE.

Claims use since Oct. 8, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 483,526. H. CLAY GLOVER CO., INC., New York, N. Y. Original filed, act of 1905, May 18, 1945; amended to application under act of 1946, Principal Register, Feb. 23, 1949. Under section 2f of the act of 1946.

GLOVER'S
Imperial

Applicant claims ownership of Registrations Nos. 345,655 and 349,776.

FOR MANGE MEDICINES, ANTISEPTIC MEDICATED OINTMENT USED FOR THE TREATMENT OF THE HUMAN SCALP AND HAIR, AND FOR A PREPARATION FOR DRESSING THE HAIR.

Claims use since 1887.

Ser. No. 537,028. ELMO, INC., Philadelphia, Pa. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

Elmo

SPECIAL FORMULA

No claim is made to the notation "Special Formula" apart from the mark.

FOR FACIAL CREAMS.

Claims use since November 1936.

Ser. No. 543,891. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Dec. 10, 1947.

krank

Applicant claims ownership of Registration No. 329,916.

FOR HAIR OIL, PERMANENT WAVE OIL, LEMON SHAMPOO, LEMON CLEANSING CREAM, SPECIAL CLEANSING CREAM, AND FACE CREAM.

Claims use since 1941.

Ser. No. 545,929. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 2, 1948.

LISSEPHEN

FOR DRUG INTENDED TO INCREASE MUSCULAR RELAXATION, PARTICULARLY IN ANESTHESIA AND INTENDED FOR SYMPTOMATIC TREATMENT OF CERTAIN SPASTIC AND CONVULSIVE CONDITIONS.

Claims use since Oct. 2, 1947.

Ser. No. 552,015. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 15, 1948. Under section 2f of the act of 1946.

SUPER-GERMITE

Applicant claims ownership of Registration No. 281,819.

FOR CHEMICAL PREPARATION FOR USES AS A LARVAL SPRAY, ANTISEPTIC, DISINFECTANT, GERMICIDE, AND DEODORANT.

Claims use since December 1933.

Ser. No. 554,955. CREOMULSION COMPANY, Atlanta, Ga. Filed Apr. 19, 1948.

BREN

FOR LAXATIVE MEDICINE.

Claims use since Mar. 1, 1948.

Ser. No. 558,810. A. T. RACE JR. COMPANY, Winter Haven, Fla., assignor to Aracet, Inc., Winter Haven, Fla., a corporation of Florida. Filed June 9, 1948.

RACET

FOR CHEMICAL DEHYDRATING AGENT.

Claims use since Mar. 16, 1948.

Ser. No. 559,176. ROBERT H. PENNEBAKER, doing business as Juvitone Motors Hormone, Little Rock, Ark. Filed June 14, 1948.

JUVITONE
MOTORS
HORMONE
HORMONE-IZE
WITH
JUVITONE

The words "Motors" and "Hormone-ize with Juvitone" are disclaimed.

FOR CHEMICAL LIQUID PREPARATION FOR INCREASING THE EFFICIENCY OF OPERATION OF INTERNAL COMBUSTION ENGINES.

Claims use since May 1, 1948.

Ser. No. 561,898. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

KALITE

Applicant claims ownership of Registration No. 292,707.

FOR PRECIPITATED CALCIUM CARBONATE.

Claims use since November 1931.

Ser. No. 562,107. VITAMINS LIMITED, London, England. Filed July 23, 1948.

ADVEL

Applicant claims ownership of British Registration No. 653,630, dated Nov. 14, 1946.
FOR PHARMACEUTICAL VITAMIN PREPARATIONS.

Ser. No. 562,514. WINTHROP-STEARNS INC., New York, N. Y. Filed July 29, 1948.

CYMIDON

Applicant claims ownership of Registration No. 96,390.
FOR ANALGESIC AND SEDATIVE PREPARATION.
Claims use since July 12, 1948.

Ser. No. 565,008. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 11, 1948.

ACIMINOS

FOR VITAMIN CONTAINING PREPARATION USEFUL IN THE TREATMENT AND PREVENTION OF METABOLIC DEFICIENCIES.
Claims use since Aug. 3, 1948.

Ser. No. 565,416. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Sept. 18, 1948. Under section 2f of the act of 1946.

Hudson River

FOR STARCH FOR MANUFACTURING PURPOSES.
Claims use since July 31, 1909.

Ser. No. 565,557. H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Sept. 21, 1948. Under section 2f of the act of 1946.

E Z BLEND

Applicant disclaims the exclusive right to the word "Blend" apart from the mark as shown. Applicant claims ownership of Registration No. 230,428.
FOR COLORS USED IN THE PREPARATION OF COSMETICS.
Claims use since Mar. 31, 1926.

Ser. No. 566,239. BARTHOLOMEW F. NATOLI, doing business as The Adro Company, Lyndhurst, N. J. Filed Oct. 1, 1948.

Bel-Aire

FOR PREPARATION FOR NEUTRALIZING OBJECTIONABLE ODORS IN THE HOME, OFFICE, SICK ROOM, NURSERY, AND FOR FRESHENING SMOKE-FILLED ROOMS, STUFFY CLOSETS, BATHROOMS, AND CELLARS.
Claims use since September 1945.

Ser. No. 566,830. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed Sept. 30, 1948.

BUTOX

FOR SPRAY TYPE LIQUID INSECTICIDE.
Claims use since Apr. 14, 1948.

Ser. No. 569,320. GUERLAIN, INC., New York, N. Y. Filed Oct. 23, 1948.

Fleur de Feu

FOR PERFUMES, TOILET WATER, COLOGNE, AFTER SHAVING LOTION, BRILLIANTINE, FACE POWDER, AND TALCUM POWDER.
Claims use since July 27, 1948.

Ser. No. 569,354. CROOKES LABORATORIES, INC., New York, N. Y. Filed Nov. 24, 1948.

COLSEDRON

FOR NASAL DECONGESTANT, CONSISTING OF AN EPHEDRIN-LIKE SUBSTANCE USED TO SHRINK ENGORGED NASAL TISSUE.
Claims use since Nov. 10, 1948.

Ser. No. 569,476. PURITAN CHEMICAL COMPANY, Atlanta, Ga. Filed Nov. 26, 1948.

CANNED PLUMBER

Applicant claims ownership of Registration No. 233,200.
FOR CHEMICAL PREPARATION FOR CLEARING AND CLEANING STOPPED-UP DRAIN AND SEWER PIPES.
Claims use since June 1, 1925.

Ser. No. 569,579. STANDARD OIL COMPANY OF CALIFORNIA, San Francisco, Calif., and Wilmington, Del. Filed Nov. 29, 1948.

CHEVRON

Applicant claims ownership of Registrations Nos. 401,419, 431,051, 434,976, 545,043, and 563,640.
FOR REFINED OILS USED AS COMPASS FLUIDS.
Claims use since Apr. 8, 1948.

Ser. No. 569,646. THER-EST CO., Boston, Mass. Filed Nov. 30, 1948.

THER-EST

FOR MINERAL-VITAMIN DIETARY SUPPLEMENT.
Claims use since Nov. 1, 1948.

CLASS 7
CORDAGE

Ser. No. 575,138. THE FRIEDSTRASS COMPANY, New York, N. Y. Filed Mar. 9, 1949.

MARY ANN

FOR SASH CORD, CLOTHESLINE, AND TWINES.
Claims use since September 1948.

CLASS 9
EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 575,009. L. W. LOYD COMPANY, INC., South Pittsburg, Tenn. Filed Mar. 7, 1949.



FOR FIRECRACKERS.
Claims use since Aug. 1, 1948.

Ser. No. 577,121. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England. Filed Apr. 14, 1949.

HYDROX

Applicant claims ownership of British Registration No. 649,131, dated June 25, 1946.
FOR BLASTING TUBES AND CHARGES THEREFOR.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 527,732. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation. Filed July 5, 1947. Under section 2f of the act of 1946.

PAVED INVERT

FOR CORRUGATED FERROUS METAL, HEADWALLS, ARCHES, BACK-WALLS, RETAINING WALLS, TUNNEL LINING, BRIDGE DECKING, SHEET PILING, ABUTMENT WALLS, CAR SIDING, AND CAISSONS.
Claims use since June 1926.

Ser. No. 532,868. PATEK BROTHERS, INC., Milwaukee, Wis. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

SMOOTHO

FOR READY-MIXED PLASTIC MATERIALS IN THE NATURE OF A PASTE OR PUTTY FOR FILLING, LEVELING, RESURFACING, AND TEXTURING ROUGHENED SURFACES PRIOR TO DECORATING.
Claims use since May 1, 1941.

Ser. No. 533,653. ARTHUR R. WELCH, Aberdeen, Wash. Filed Sept. 5, 1947. CERTIFICATION MARK.

WELCHBOARD

FOR WOOD SHEETS, SLABS, OR STRIPS, INCLUDING PLYWOOD PANELS, HAVING ON ONE OR MORE SURFACES THEREOF, A CONTINUOUS LAYER OF SUBSTANTIAL THICKNESS OF A MIXTURE OF WOOD PARTICLES AND A BINDER PRESENTING A SMOOTH, OUTER SURFACE.
Claims use since June 26, 1947.

Ser. No. 536,194. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

ARCH LATH

Applicant makes no claim to the word "Lath" alone. Applicant claims ownership of Registration No. 273,249.
FOR METAL LATH.
Claims use since October 1925.

Ser. No. 544,672. BLAW-KNOX COMPANY, Pittsburgh, Pa. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

BLAW-KNOX

Applicant claims ownership of Registrations Nos. 142,241 and 150,256.

FOR STRUCTURAL STEEL FABRICATED FOR THE CONSTRUCTION OF PORTABLE AND PERMANENT STEEL BUILDINGS FOR BUSINESS, INDUSTRIAL, AGRICULTURAL AND OTHER PURPOSES; STRUCTURAL STEEL FABRICATED FOR THE CONSTRUCTION OF STEEL BINS FOR BULK MATERIALS AND METALLIC GRATING AND FLOORING.

Claims use on structural steel fabricated for the construction of permanent and portable steel buildings for business, industrial, agricultural, and other purposes since August 1917; on structural steel fabricated for the construction of steel bins for bulk material since July 1923; and on metallic grating and flooring since December 1936.

Ser. No. 544,778. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 18, 1947.

HOMART

FOR ORNAMENTAL IRON RAILING FOR CONSTRUCTION OF BUILDINGS AND FENCES.

Claims use since Jan. 1, 1946.

Ser. No. 547,764. PLANETT MFG. CO., Downey, Calif. Filed Jan. 22, 1948.



FOR WIRE MESH FOR REINFORCING CEMENTITIOUS MATERIALS.

Claims use since August 1942.

Ser. No. 549,992. UNITED STEEL FABRICATORS, INC., Wooster, Ohio. Filed Feb. 17, 1948.

USF

FOR CONSTRUCTION MATERIALS, TO WIT: PREFABRICATED METAL BUILDINGS — NAMELY, DWELLING HOUSES, AIRCRAFT HANGARS, GARAGES, SMALL INDUSTRIAL BUILDINGS, WAREHOUSES, TRUCK STORAGE BUILDINGS, TRUCK TERMINAL BUILDINGS, FARM IMPLEMENT STORAGE BUILDINGS AND UNDERGROUND STORAGE BUILDINGS; METAL RETAINING WALLS, SHEET PILING AND TREMIE SHEETING; METAL DOCKS; METAL HIGHWAY GUARD RAILS AND POSTS; PORTABLE METAL TREADWAYS FOR PAVEMENTS AND TEMPORARY ROADWAYS; METAL DOORS; METAL OVERHEAD DOORS; FABRICATED HEAVY DUTY METAL PLATES; METAL TRUSSES; METAL FLOORING, DECKING AND ROOFING; METAL FORMS FOR CONCRETE; SHEET METAL AND PLATE PRODUCTS FABRICATED TO CUSTOMER ORDER FOR USE IN BUILDING AND GENERAL CONSTRUCTION; FORMED STRUCTURAL STEEL SECTIONS—NAMELY, LINTELS, JOISTS, CHANNELS AND SPECIAL ANGLES; WELDED METAL PLATE CONSTRUCTIONS; WELDED METAL STRUCTURAL SECTIONS—NAMELY, CHANNELS, ANGLES, BEAMS, TRUSSES, AND JOISTS FORMED OF METAL PARTS ASSEMBLED TOGETHER AND CONNECTED BY WELDING; METAL WINDOW WELLS AND METAL RIDGE ROLLS.

Claims use since 1939.

Ser. No. 552,509. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948.

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,658, 296,241, and 299,746.

FOR PETROLEUM SULFONATES FOR GENERAL USE IN CONSTRUCTION MATERIALS—NAMELY, FOR USE AS SUCH OR AS AN INGREDIENT IN DISPERSING AND WETTING AGENTS IN CONSTRUCTION MATERIALS AS CLAYS IN PORTLAND CEMENT AND BLOCKS.

Claims use since Oct. 5, 1944.

Ser. No. 559,069. TOMKINS BROTHERS, Newark, N. J. Filed June 11, 1948. Under section 2f of the act of 1946.

ESSEX

FOR REFRACTORY BRICK.

Claims use since Feb. 4, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 533,609. PEERLESS CHAIN COMPANY, Winona, Minn. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

SUPERIOR

FOR CHAINS FOR GENERAL USE AND PARTICULARLY FOR AUTOMOBILE AND TRACTOR TIRE ANTI-SKID CHAINS.

Claims use since Feb. 1, 1920.

Ser. No. 539,875. A. L. HANSEN MFG. CO., Chicago, Ill. Filed Nov. 1, 1947. Under section 2f of the act of 1946 as to "Hansen."

HANSEN

The terms "Tackers" and "Staples" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 314,190.

FOR MACHINE STAPLES.

Claims use since Mar. 1, 1942.

Ser. No. 558,165. JOHN T. RIDDELL, INC., Chicago, Ill. Filed May 29, 1948. Under section 2f of the act of 1946.

RIDDELL

Applicant claims ownership of Registrations Nos. 302,272 and 303,743.

FOR SHOE CLEATS.

Claims use since September 1928.

Ser. No. 560,269. THE HODELL CHAIN COMPANY, Cleveland, Ohio. Filed June 26, 1948.

BULLDOG

FOR WIRE CHAINS IN COIL, TRACTOR CHAINS, TIRE CHAINS, TRUCK CHAINS, COIL CHAINS, HALTER CHAINS, TIE OUT CHAINS, DOG CHAINS, COW TIES, ANIMAL CHAINS, PORCH SWING CHAINS, HAMMOCK CHAINS, AND PUMP CHAINS.

Claims use since March 1911.

Ser. No. 561,649. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed July 17, 1948.

WABCOGRIP

Applicant claims ownership of Registrations Nos. 364,691, 394,437, and 395,479.

FOR PIPE COUPLINGS AND PIPE UNIONS AND PARTS THEREOF.

Claims use since January 1948.

Ser. No. 561,650. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed July 17, 1948.

WABCOSEAL

Applicant claims ownership of Registrations Nos. 364,691, 394,437, and 395,479.

FOR PIPE COUPLINGS AND PIPE UNIONS AND PARTS THEREOF.

Claims use since September 1947.

Ser. No. 561,840. MASBACK INCORPORATED, New York, N. Y. Filed July 21, 1948.

Red Diamond

FOR WIRE SCREEN CLOTH.

Claims use since Nov. 6, 1930.

Ser. No. 561,877. ROBERT B. BOYER, doing business under the name and style B. & P. Research & Sales Co., Saginaw, Mich. Filed July 22, 1948.



The representation of a child holding a toilet seat in its hand is disclaimed apart from the association shown.
FOR TOILET SEATS.
Claims use since July 9, 1948.

Ser. No. 565,338. HOBBS MANUFACTURING COMPANY, Worcester, Mass. Filed Sept. 17, 1948. Under section 2f of the act of 1946.

TANGLE-PROOF

FOR LOCK WASHERS.
Claims use since Oct. 1, 1933.

Ser. No. 565,711. MADS MARTHINSEN, Michigan City, Ind. Filed Sept. 23, 1948.

ICEMASTER

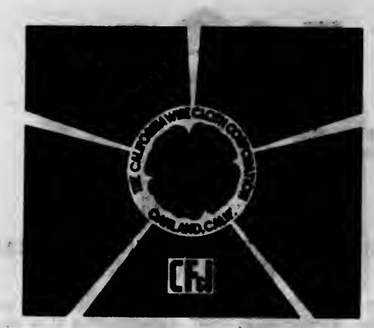
FOR AUTOMOBILE TIRE CHAINS.
Claims use since Sept. 8, 1948.

Ser. No. 565,983. WATTS REGULATOR CO., Lawrence, Mass. Filed Sept. 27, 1948. Under section 2f of the act of 1946.

AUTOTHERM

FOR AUTOMATIC TEMPERATURE AND PRESSURE RELIEF VALVES.
Claims use since 1930.

Ser. No. 566,423. THE CALIFORNIA WIRE CLOTH CORPORATION, Oakland, Calif. Filed Sept. 29, 1948.



The words "The California Wire Cloth Corporation" and "Oakland, Calif." are disclaimed.
FOR METAL BALE TIES.
Claims use since Aug. 2, 1948.

Ser. No. 566,745. THE CALIFORNIA WIRE CLOTH CORPORATION, Oakland, Calif. Filed Oct. 9, 1948.

golden poppy

FOR METAL BALE TIES.
Claims use since Aug. 2, 1948.

Ser. No. 566,746. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 9, 1948.



FOR PLUMBING FIXTURES—NAMELY, WATER CLOSETS.
Claims use since Feb. 1, 1932.

Ser. No. 566,992. L. J. MILEY COMPANY, Chicago, Ill. Filed Oct. 14, 1948. Under section 2f of the act of 1946.

MILEY

FOR RIVETS.
Claims use since January 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 558,040. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa. Filed May 28, 1948.

VANCOMO

FOR STEEL BARS, BILLETS, AND FORGINGS.
Claims use since Mar. 6, 1941.

Ser. No. 566,513. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Oct. 6, 1948.

FRIGIDWELD

Applicant claims ownership of Registration No. 502,469.
FOR METAL ELECTRODES FOR WELDING, BRAZING, AND LIKE PURPOSES.
Claims use since June 27, 1947.

Ser. No. 567,897. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Oct. 30, 1948.

TUNGROD

FOR METAL WELDING RODS.
Claims use since Sept. 28, 1948.

Ser. No. 568,302. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Nov. 6, 1948.

EUTEC-ALUM-WELD

No claim of exclusive rights in the word "Weld" is made, except in the combination shown.
FOR ALUMINUM GAS WELDING RODS.
Claims use since Oct. 20, 1948.

Ser. No. 568,303. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Nov. 6, 1948.

EUTEC-SILVER-WELD

No claim is made to exclusive rights in the words "Silver" and "Weld," except in the combination shown. Applicant claims ownership of Registrations Nos. 502,459 and 502,614.
FOR METAL ALLOYS FOR WELDING, BRAZING, SOLDERING, AND LIKE PURPOSES.
Claims use since Oct. 20, 1948.

Ser. No. 568,860. THE OHIO BRASS COMPANY, Mansfield, Ohio. Filed Nov. 16, 1948.

DURON

Applicant claims ownership of Registration No. 250,010.
FOR WELDING RODS OF METAL FOR USE PARTICULARLY WHEN THE ELECTRIC ARC OR A GASEOUS HEATING FLAME IS EMPLOYED.
Claims use since June 25, 1928.

CLASS 15

OILS AND GREASES

Ser. No. 544,022. ALLIED RAW MATERIALS COMPANY, INC., New York, N. Y. Filed Dec. 11, 1947.

ARAMA

FOR PETROLEUM AND MINERAL WAXES, SUCH AS PARAFFINS, CERESINES AND OZOKERITE; LUBRICATING OIL; CYLINDER OIL; MOTOR OIL; FUEL OIL; SPINDLE OIL.
Claims use since Oct. 1, 1946.

Ser. No. 551,327. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

SALINE

Applicant claims ownership of Registration No. 138,403.
FOR LUBRICATING OILS.
Claims use since 1910.

Ser. No. 551,328. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 199,268.
FOR REFINED, SEMI-REFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES.
Claims use since Jan. 25, 1917.

Ser. No. 552,371. TIDE WATER ASSOCIATED OIL COMPANY, San Francisco, Calif. Filed Dec. 26, 1947.

AVON

Applicant claims ownership of Registration No. 190,781.
FOR PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, BENZENE, LUBRICATING OIL AND GREASES, CRUDE OILS, AND DISTILLATES.
Claims use since Oct. 5, 1922.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 531,328. INTERNATIONAL PRODUCTS CORPORATION, Baltimore, Md., assignor to Pemco Corporation, Baltimore, Md. Filed Aug. 14, 1947.



The drawing is lined for shading only.
FOR CERAMIC OVERGLAZE COLORS; CERAMIC ENGOBES COLORS; CERAMIC UNDERGLAZE COLORS; COLORED GLOSS CERAMIC GLAZES, INCLUDING MAJOLICA; LOW FIRED CERAMIC GLAZES; SATIN FINISH CERAMIC GLAZES; AND MATT FINISH CERAMIC GLAZES.
Claims use since May 1, 1947.

Ser. No. 532,922. EMPIRE PETROLEUM COMPANY, Denver, Colo. Filed Aug. 30, 1947.



The drawing has been lined for the colors red, blue, and brown.
FOR ASPHALT PRIMER, ASPHALT COATING (WITHOUT FIBRE), ASPHALT FIBRE COATING, ALL IN THE NATURE OF A PAINT AND ALUMINUM PAINT ROOF COATING.
Claims use since Apr. 10, 1947.

Ser. No. 539,275. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill. Filed Oct. 28, 1947.

BLACK DOT

The word "Black" is disclaimed.
FOR PAINT IN LIQUID AND PASTE FORM, PAINT ENAMEL, AND SCREEN ENAMEL.
Claims use since 1934.

Ser. No. 548,948. THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

FULLUSTRE

Applicant claims ownership of Registration No. 367,704.
FOR FLOOR POLISH.
Claims use since Oct. 3, 1935.

Ser. No. 550,806. HAMMILL & GILLESPIE, INC., New York, N. Y. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

YORKSHIRE

FOR PARIS WHITE.
Claims use since 1900.

Ser. No. 553,654. VALENTINE & COMPANY, INC., New York, N. Y. Filed Apr. 1, 1948. Under section 2f of the act of 1946.



FOR PAINT ENAMEL.
Claims use since Feb. 18, 1937.

Ser. No. 554,581. THE MARVELITE PAINT COMPANY, Baltimore, Md. Filed Apr. 14, 1948.

NULON

FOR DRY, PASTE, AND READY-MIXED PAINTS, PAINT ENAMELS, PAINT THINNERS, AND VARNISHES.
Claims use since February 1939.

Ser. No. 555,164. DORWARD & SONS CO., San Francisco, Calif. Filed Apr. 21, 1948.

LINSPEED

FOR FAST KETTLING PURE LINSEED VARNISH OIL.
Claims use since Apr. 6, 1948.

Ser. No. 555,284. THE MARTIN-SENOUR COMPANY, Chicago, Ill. Filed Apr. 22, 1948.

Wood-Var

The word "Wood" is disclaimed. Applicant claims ownership of Registration No. 165,284.
FOR VARNISH, VARNISH STAIN, PIGMENTED MATERIAL IN THE NATURE OF PAINT FOR FILLING PORES IN WOOD SURFACES, VARNISH UNDERCOATER.
Claims use since July 1, 1913.

Ser. No. 559,518. KAR GLAMOR, INC., Indianapolis, Ind. Filed June 17, 1948.

KARGLAMOR

The word "Kar" is disclaimed per se. The drawing is lined for red.
FOR PROTECTIVE COATING COMPOSITION AND POLISH ADAPTED FOR USE ON AUTOMOBILE BODIES AND ON PAINTED AND ENAMELED SURFACES IN GENERAL.
Claims use since November 1947.

Ser. No. 564,907. SCHREYER & MICHAELS, New York, N. Y. Filed Sept. 9, 1948.

LITHOGEN

FOR PAINT OR FACING FOR WOOD, METAL, MASONRY, AND COMPOSITION BOARD SURFACES.
Claims use since Aug. 25, 1948.

Ser. No. 565,038. BRAUER ELECTRIC MFG. CO., Chicago, Ill. Filed Sept. 13, 1948.

TORNADO

FOR LIQUID AND PASTE WAX FOR POLISHING FLOORS, LINOLEUM, AND PAINTED, ENAMELED, AND VARNISHED SURFACES, AND FOR A SEALER FOR WOOD, CONCRETE, AND TERRAZZO FLOORS, AND AS A CONCRETE COLOR SEAL.
Claims use on liquid and paste wax for polishing floors, linoleum, and painted, enameled, and varnished surfaces during the month of June 1947; and on a sealer for wood, concrete and terrazzo floors, and as a concrete color seal, during the month of May 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 540,519. EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La. Filed Nov. 8, 1947. Under section 2f of the act of 1946.

Butlermetal

Applicant claims ownership of Registration No. 379,971.
FOR METAL ELECTRODE CARTRIDGES MADE OF ZINC OR THE LIKE FOR FORMING A GALVANIC COUPLE WITH A DISSIMILAR METAL, USED TO PREVENT OR INHIBIT SCALE FORMATION IN A WATER SYSTEM.
Claims use since Jan. 3, 1939.

Ser. No. 542,150. MCCOLPIN-CHRISTIE CORPORATION, LTD., Los Angeles, Calif. Filed Nov. 24, 1947.

C and C

FOR DIRECT-CURRENT ELECTRIC POWER SUPPLY UNITS OF THE RECTIFIER TYPE, BATTERY CHARGERS OF THE RECTIFIER TYPE, SOLENOIDS, MAGNETS, ELECTRIC AIRPLANE STARTING MOTORS, AND ELECTRIC MOTORS.
Claims use since Mar. 31, 1930.

Ser. No. 562,802. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Aug. 4, 1948.

PENIMAID

FOR ELECTRIC HOUSEHOLD IRONS.
Claims use since Apr. 16, 1927.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 513,404. J. L. GALEF & SON, INC., New York, N. Y. Original filed, act of 1905, Nov. 29, 1946; amended to application under act of 1946, Principal Register, July 7, 1948. Under section 2f of the act of 1946.

Monte Carlo

FOR TOY PISTOLS AND GUNS; DARTS; DICE CUPS AND DICE; FISHING TACKLE AND ACCESSORIES—NAMELY, RODS, LINE, REELS, ARTIFICIAL BAIT, TACKLE BOXES, FLY BOXES, BAIT BUCKETS, FLOATS, SINKERS, BUTT RESTS, NETS, TRAPS, HOOKS, AND CASES.
Claims use since 1928.

Ser. No. 522,452. JOHN F. REIMSECH, Clifton, N. J. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Feb. 11, 1948.

ATHENIA 202 SQUIDDER U.S.A.

The letters "U. S. A." are disclaimed.
FOR FISHING REELS.
Claims use since Oct. 1, 1946.

Ser. No. 544,635. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

GLOBE

Applicant claims ownership of Registration No. 179,402.
FOR ARTIFICIAL MINNOWS.
Claims use since Apr. 15, 1910.

Ser. No. 544,636. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

NONPAREIL

Applicant claims ownership of Registration No. 178,769.
FOR FISHING LINE.
Claims use since May 3, 1916.

Ser. No. 544,637. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

WASHINGTON

Applicant claims ownership of Registration No. 178,770.
FOR ARTIFICIAL FISH BAIT—NAMELY, SPINNERS.
Claims use since Oct. 12, 1916.

Ser. No. 545,487. R. W. KERR PLASTIC CO., Hastings, Nebr. Filed Dec. 26, 1947.

SHAFTEE

The mark is lined to indicate the color red. This particular color is not a necessary element of the mark. Applicant disclaims any exclusive right to the word "tee" or the term "tee" and to the representation of the goods, appearing in the mark in the position of a hyphen (-), apart from the mark as shown.
FOR TEES FOR GOLF BALLS.
Claims use since Aug. 19, 1947.

Ser. No. 547,877. SPORT LORE, Denver, Colo. Filed Jan. 23, 1948.

Sport LORE

FOR DEER CALL.
Claims use since July 29, 1947.

Ser. No. 548,125. UNIQUE ART MANUFACTURING COMPANY, INC., Newark, N. J. Filed Jan. 27, 1948.

KIDDY CYCLIST

FOR MECHANICAL TOYS OF THE TYPE REPRESENTING A VEHICLE WITH A RIDER THEREON.
Claims use since Dec. 22, 1947.

Ser. No. 548,737. THE H. & D. FOLSOM ARMS CO. INC., New York, N. Y. Filed Feb. 4, 1948.

Cosmopolitan

Applicant claims ownership of Registration No. 251,577.
FOR FISH HOOKS AND LEADERS.
Claims use since Aug. 28, 1928.

Ser. No. 553,289. MIGUEL LISBOA, New York, N. Y. Filed Mar. 29, 1948.

Hipp-o-Drome

FOR CARD GAMES.
Claims use since Sept. 15, 1947.

Ser. No. 559,059. SELCHOW & RIGHTER COMPANY, New York, N. Y. Filed June 11, 1948.

HUGGIN' THE RAIL

FOR BOARD GAME PLAYED WITH PICTORIAL ANIMALS AND POULTRY AND SPINNER.
Claims use since Mar. 8, 1948.

Ser. No. 562,236. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed July 27, 1948.



No claim is made to the exclusive right to registration, apart from the mark as shown, of the representation of skis appearing on the drawing. Applicant claims ownership of Registrations Nos. 252,184 and 376,788.
FOR SKIS.
Claims use since Nov. 12, 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,628. ALEX BERTEA, Pasadena, Calif. Original filed, act of 1905, Jan. 11, 1946; amended to application under act of 1946, Principal Register, Apr. 13, 1948.

Microseal

FOR HYDRAULIC AND PNEUMATIC CHECK VALVES FOR AIRCRAFT CONTROLS.
Claims use since May 20, 1946.

Ser. No. 521,308. J. W. SPEAKER CORPORATION, Milwaukee, Wis. Original filed, act of 1905, Apr. 23, 1947; amended to application under act of 1946, Principal Register, Apr. 21, 1948.

ELECTROMATIC

FOR TIRE TUBE PATCH AND VALVE STEM VULCANIZING KITS SOLD AS A UNIT AND CONSISTING OF: A VULCANIZER CLAMP IN WHICH THE HEAT FOR VULCANIZATION IS SUPPLIED ELECTRICALLY AND THE HEATING PERIOD IS AUTOMATICALLY TIMED; TIRE TUBE PATCHES MOUNTED ON METAL CARRIER PLATES; AND ELECTRIC HEATING ELEMENTS ADAPTED TO COACT WITH SAID CARRIER PLATES AND THE VULCANIZING CLAMP.
Claims use since Nov. 1, 1936.

Ser. No. 522,629. GITS MOLDING CORPORATION, Chicago, Ill. Original filed, act of 1920, May 19, 1947; amended to application under act of 1946, Principal Register, May 6, 1948. Under section 2f of the act of 1946.

GITS

FOR POCKET KNIVES, RAZOR KNIVES, AND SPOONS.
Claims use since 1939.

Ser. No. 524,469. JARI PRODUCTS, INC., Minneapolis, Minn. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, Apr. 24, 1948.

JARI

FOR WRENCHES.
Claims use since Apr. 28, 1938.

Ser. No. 533,427. NEW METHOD EQUIPMENT COMPANY, Indianola, Iowa. Filed July 5, 1947.

HAYMASTER

Applicant claims ownership of Registration No. 397,419.
FOR FARM MACHINERY—NAMELY, HAY LOADERS, HAY AND STRAW STACKERS AND RAKES.
Claims use since June 17, 1941.

Ser. No. 540,498. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

PANAMA

FOR STEEL HARDWARE GOODS—NAMELY, HOES AND RAKES; AGRICULTURAL FORKS—NAMELY, HAY, MANURE, AND GARDEN FORKS; COAL FORKS, SHOVELS, SPADES, SCOOPS, DRAIN CLEANERS, POST HOLE DIGGERS, PICKS, AND MATTOCKS.
Claims use since June 1, 1913.

Ser. No. 543,727. MARVEL INDUSTRIES, INC., Detroit, Mich. Filed Dec. 8, 1947.

MARVEL

FOR MECHANICAL COUPLERS AND HOISTS AND COMBINED COUPLERS AND HOISTS FOR TRAILER COACHES.
Claims use since 1936.

Ser. No. 543,831. OUTBOARD, MARINE AND MANUFACTURING COMPANY, Waukegan, Ill. Filed Dec. 9, 1947. Under section 2f of the act of 1946.

JOHNSON

Applicant claims ownership of Registration No. 233,698.
FOR OUTBOARD MOTORS.
Claims use since Apr. 1, 1922.

Ser. No. 544,256. CUMMINS ENGINE COMPANY, INC., Columbus, Ind. Filed Dec. 13, 1947. Under section 2f of the act of 1946.

CUMMINS

Applicant claims ownership of Registrations Nos. 210,288 and 214,074.
FOR INTERNAL COMBUSTION ENGINES AND PARTS THEREOF.
Claims use since Sept. 30, 1919.

Ser. No. 556,098. ICECRAFTER, INC., Blue Island, Ill. Filed May 3, 1948.

IceCrafter

The word "Ice" is disclaimed apart from the mark.
FOR CARBONATING AND/OR OXYGENATING BEVERAGES.
Claims use since Aug. 1, 1947.

Ser. No. 557,784. JOSEPH B. STIER, New York, N. Y. Filed May 25, 1948.

Aqua-maid

FOR SPOONS, FORKS, KNIVES, BUTTER SPREADERS, BEVERAGE STIRRERS, SUGAR CRUSHERS, AND ICE TONGS, ALL COMPOSED OF PLASTIC MATERIAL, OR COMPOSED OF COMBINATIONS OF PLASTIC AND METAL, OR OF NON-PRECIOUS METALS.
Claims use since May 10, 1948.

Ser. No. 560,324. THE DEISTER CONCENTRATOR COMPANY, Fort Wayne, Ind. Filed June 28, 1948. Under section 2f of the act of 1946.

NO BLIND

Applicant claims ownership of Registration No. 248,359.
FOR VIBRATING SCREENS, USED FOR SEPARATING AND SIZING VARIOUS MATERIALS SUCH AS SAND, GRAVEL, CRUSHED STONE, COAL, COKE, CLAY, SAWDUST, MEAL, SALT, SUGAR, CEMENT, GYPSUM, ETC.
Claims use since Jan. 3, 1927.

Ser. No. 561,326. MIXERMOBILE MANUFACTURERS, Portland, Oreg. Filed July 14, 1948.



FOR AUTOMOTIVE MATERIAL HANDLING APPARATUS PARTICULARLY ADAPTED FOR CONSTRUCTION, INDUSTRIAL AND AGRICULTURAL USES, AND PARTS THEREOF.
Claims use since Apr. 30, 1948.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 515,273. MODERN INVISIBLE LENS SERVICE, INC., Buffalo, N. Y. Original filed, act of 1905, Jan. 4, 1947; amended to application under act of 1946, Principal Register, July 16, 1947. Under section 2f of the act of 1946.

Modern Invisible Lens Service Inc.

The words "Lens" and "Inc." and the representation of the goods are disclaimed apart from the mark.
FOR CONTACT LENSES.
Claims use since 1938.

Ser. No. 527,985. REVERE CAMERA COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946 as to the name "Revere."

Revere

Applicant claims ownership of Registration No. 501,992.
FOR MOTION PICTURE CAMERAS, PROJECTORS, AND FILM SPLICERS.
Claims use since Jan. 15, 1946, on projectors; since Apr. 15, 1946, on motion picture cameras; and since Sept. 15, 1946, on film splicers.

Ser. No. 551,373. THE EDNALITE OPTICAL COMPANY, INC., New York, N. Y. Filed Mar. 6, 1948.

Ednalite

The word "Lite" is disclaimed apart from the mark.
FOR OPTICAL AND PHOTOGRAPHIC FILTERS, LENSES AND MAGNIFYING GLASSES, AND A MAGNIFYING GLASS MOUNTED IN A TUBULAR FRAME WHICH IS ADAPTED TO BE USED TO MAGNIFY THE IMAGE ON THE GROUND GLASS PLATE OF A REFLEX CAMERA.
Claims use since Mar. 18, 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 556,216. LOUIS PERLOFF, doing business as the Lowill Watch Company, Philadelphia, Pa. Filed May 4, 1948.

LOWILL

FOR CLOCKS AND WATCHES AND PARTS THEREOF—VIZ., RATCHETS, BRIDGES, BARRELS, BALANCE STAVES, PALLET STAVES, STEMS, SCREWS, AND JEWELS FOR PIVOTS, AND WATCH AND CLOCK SPRINGS, HAIR SPRINGS, AND HAND SPRINGS.
Claims use since October 1947.

Ser. No. 568,247. FLEVO WATCH CORPORATION, Whitestone, N. Y. Filed Nov. 5, 1948.

CITATION

FOR WATCHES.
Claims use since Oct. 15, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 478,561. TOURNEAU, INC., New York, N. Y., assignee of Tourneau. Original filed, act of 1905, Jan. 12, 1945; amended to application under act of 1946, Principal Register, Oct. 18, 1947. Under section 2f of the act of 1946.

TOURNEAU

Applicant claims ownership of Registration No. 415,287.
FOR WATCH BRACELETS, BANDS, LAPEL ORNAMENTS, PIN ORNAMENTS, RINGS SERVING AS MOUNTINGS FOR WATCHES AND WATCH CASINGS, NOT INCLUDING WATCHES.
Claims use since May 1, 1939.

Ser. No. 534,598. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

BULOVA

Applicant claims ownership of Registrations Nos. 226,889, 365,926, 367,988, and 513,364.
FOR WRIST BANDS, BRACELETS AND CHAINS FOR WATCHES; CLASPS, BUCKLES AND FASTENERS THEREFOR, ALL MADE WHOLLY OR IN PART, OR PLATED WITH PRECIOUS METAL WITH OR WITHOUT JEWELS, AND WRIST STRAPS AND WRIST BANDS FOR WATCHES MADE OF LEATHER, IMITATION LEATHER, FABRIC, AND FABRIC CORD.
Claims use since 1907.

Ser. No. 544,112. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

LUNT

Applicant claims ownership of Registration No. 352,122.
FOR KNIVES, FORKS, SPOONS, TONGS, LADLES, SIFTERS, PINS, BUCKLES, BROOCHES, NAPKIN RINGS, NAPKIN BANDS, NAPKIN MARKERS, SALTS AND PEPPERS, MUFFINEERS, TEA BALLS, TEA STRAINERS, CUPS, AND BOOK MARKS, ALL OF THE FOREGOING ARTICLES BEING MADE OF STERLING SILVER: AND THE FOLLOWING GOODS HAVING STERLING SILVER MOUNTINGS: BUTTONS, CHAINS, FINGER RINGS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, BRUSHES, COMBS, HAND MIRRORS, NAIL FILES, SCISSORS, SHOE HORNS, BUTTON HOOKS, BUFFERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES AND WHISTLES, BELLS, PURSES AND LOCKETS.
Claims use since Sept. 3, 1936.

Ser. No. 548,412. DAVID SARKIN, INC., New York, N. Y. Filed Jan. 30, 1948.



FOR GOLD AND PLATINUM JEWELRY—NAMELY, FINGER RINGS.
Claims use since Jan. 2, 1946.

Ser. No. 549,745. OMAR, INC., New York, N. Y. Filed Feb. 14, 1948.

OMAR-Scrypt

The word "Scrypt" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 437,252 and 174,424.
FOR BASE METAL INITIALS, USED EITHER SINGLY OR COMBINED AS MONOGRAMS.
Claims use since July 15, 1946.

Ser. No. 550,900. DICKSON MFG. CO., Providence, R. I. Filed Mar. 1, 1948.

Cipra

The portrait is a likeness of Cele Greene, consent given.
FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, ORNAMENTAL PINS, BROOCHES, NECKLACES, PENDANTS, FINGER RINGS, HAIR ORNAMENTS, BRACELETS, LOCKETS, EARRINGS, NECK CHAINS, COLLAR HOLDERS, COLLAR BUTTONS, NECKTIE HOLDERS, CUFF LINKS, KEY CHAINS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, ARM BANDS, FOBS, BELT BUCKLES, CIGARETTE CASES, COIN CLIPS, AND ORNAMENTAL TRIMMINGS.
Claims use since Aug. 1, 1946.

Ser. No. 561,504. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 15, 1948.

TRADITION

Applicant claims ownership of Registration No. 410,145.
FOR PRECIOUS METAL JEWELRY—NAMELY, RINGS, EARRINGS, NECKLACES, BROOCHES, CLIPS, CUFFLINKS, AND TIEPINS SET WITH PRECIOUS STONES AND NECKLACES, BRACELETS, EARRINGS, CLIPS, AND BROOCHES STRUNG OR SET WITH CULTURED AND WITH ARTIFICIAL PEARLS.
Claims use since June 1941 on articles set with precious stones; and since April 1948 on articles strung or set with cultured and artificial pearls.

Ser. No. 567,699. JENKINS & SONS, INC., Jacksonville, Fla. Filed Oct. 27, 1948.



No exclusive claim is made to the representation of the diamond finger ring apart from the mark as shown.
FOR DIAMOND FINGER RINGS.
Claims use since Mar. 20, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 548,949. THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

BRISTLECOMB

Applicant claims ownership of Registration No. 377,397.
FOR HAIR BRUSHES.
Claims use since September 1925.

Ser. No. 550,691. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 27, 1948.

Golden Key

FOR TOOTHBRUSHES.
Claims use since Mar. 8, 1930.

Ser. No. 564,946. INMAN BRUSH CO., Highland Park, Ill. Filed Sept. 10, 1948.

HI-PAR

FOR PAINT BRUSHES.
Claims use since Nov. 1, 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 527,963. FARR COMPANY, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

"Better by Farr"

FOR CRIMPED SCREEN AIR FILTERS FOR USE WITH ENGINES OR AIR CONDITIONING AND VENTILATING UNITS.
Claims use since August 1944.

Ser. No. 540,195. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 5, 1947.

X-TRON

FOR COMPLEX SYNTHETIC RESINS IN THE FORM OF PARTICULATE SOLIDS FOR GENERAL USE IN THE INDUSTRIAL ARTS IN THE REMOVAL OF NEGATIVE IONS FROM AQUEOUS SOLUTIONS AND ORGANIC SOLVENT SOLUTIONS BY BASE EXCHANGE ACTION—NAMELY, IN THE PURIFICATION OF WATER, SUGAR SIRUPS, ETC.
Claims use since Oct. 20, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 555,830. CRONSTROMS HEATING AND SHEET METAL WORKS, INC., Minneapolis, Minn. Filed Apr. 21, 1948.

CroncO

FOR OFFICE EQUIPMENT AND SUPPLIES—NAMELY, DESK TRAYS, FILING CABINETS, FILING RACKS, CARD FILE BOXES, AND SORTING TRAYS.
Claims use since November 1946.

Ser. No. 559,101. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed June 12, 1948.



FOR FURNITURE—NAMELY, CHAIRS, TABLES, CHESTS, LINEN CHESTS, CABINETS, COMMODES, AND DESKS.
Applicant claims ownership of Registrations Nos. 334,223, 335,473, 335,474, 349,157, 349,766, 368,198, 368,961, and 369,556.
Claims use since Mar. 28, 1947.

Ser. No. 559,103. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed June 12, 1948.



The word "Kensington" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 334,223, 335,473, 335,474, 349,157, 349,766, 368,198, 368,961, and 369,556.
FOR FURNITURE—NAMELY, CHAIRS, TABLES, CHESTS, LINEN CHESTS, CABINETS, COMMODES, AND DESKS.
Claims use since Mar. 28, 1947.

CLASS 33

GLASSWARE

Ser. No. 567,706. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Oct. 27, 1948.

FIELDBILT

FOR GLASSWARE FOR TABLE USE—NAMELY, COCKTAIL, CORDIAL, FRUIT JUICE, ICED TEA, SHERBET, AND WINE GLASSES; WATER GOBLETS, AND SALAD PLATES.
Claims use since May 2, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 553,648. STRATTON & TERSTEGGE COMPANY, Louisville, Ky. Filed Apr. 1, 1948.

ANCHOR

Applicant claims ownership of Registrations Nos. 40,837 and 46,502.
FOR COAL STOVES, STOKERS, AND OIL BURNERS.
Claims use since January 1883.

Ser. No. 557,314. THE SIOUX STEEL CO., Sioux Falls, S. Dak. Filed May 18, 1948.

SIOUX

FOR FURNACE PIPE AND FITTINGS FOR WARM AIR FURNACES AND AIR CONDITIONING APPARATUS—NAMELY, ELBOWS, REGISTER BOXES, DAMPERS, AND PLENUM CHAMBERS, SMOKE STACKS, VENTILATING CUPOLAS, VENTILATORS, REVOLVING VENTILATORS, TANK HEATERS, ADJUSTABLE FLANGE VENTILATORS, AND LOUVRE VENTILATORS.
Claims use since 1920.

Ser. No. 566,280. WASHINGTON STOVE WORKS, Everett, Wash. Filed Sept. 13, 1948.

NEPTUNE

FOR STOVES, WOOD AND COAL RANGES, AND OIL MARINE RANGES.
Claims use since June 19, 1916.

Ser. No. 567,277. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Oct. 20, 1948. Under section 2f of the act of 1946.

Tri-Ply

Applicant claims ownership of Registration No. 400,194.
FOR WICKS.
Claims use since Apr. 2, 1943.

Ser. No. 567,454. DESPATCH OVEN COMPANY, Minneapolis, Minn. Filed Oct. 22, 1948.

Despatch

FOR BAKING OVENS AND DRYING OVENS.
Claims use since June 1, 1946.

Ser. No. 567,858. EAGLE FOUNDRY COMPANY, Belleville, Ill. Filed Oct. 29, 1948.

EAGLE

FOR GAS RANGES, COAL HEATERS, GAS HEATERS, AND COAL RANGES.
Claims use since January 1883.

Ser. No. 568,017. GREEN'S FUEL, INC., Sarasota, Fla. Filed Oct. 25, 1948. Under section 2f of the act of 1946.



Applicant disclaims the exclusive right to the use of the word "Fuel" apart from the mark as shown.
FOR LIQUEFIED PETROLEUM GAS BURNING SPACE HEATERS, LIQUEFIED PETROLEUM GAS BURNING WATER HEATERS, AND LIQUEFIED PETROLEUM GAS BURNING COOKING STOVES.
Claims use since May 4, 1939.

Ser. No. 568,317. THE LUMMUS COMPANY, New York, N. Y. Filed Nov. 6, 1948. Under section 2f of the act of 1946 as to "Lummus."

LUMMUS
MULTILOK

Applicant claims ownership of Registration No. 373,267.
FOR HEAT EXCHANGERS FOR OIL REFINERIES AND POWER PLANTS.
Claims use since 1940, and since 1900 as to "Lummus."

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 543,398. ARMOUR AND COMPANY, doing business under the trade style Alexander Brothers, Chicago, Ill. Filed Dec. 5, 1947.

TENTACULAR

Applicant claims ownership of Registration No. 196,135.
FOR LEATHER BELTING.
Claims use since 1924.

Ser. No. 566,024. BROWNING MANUFACTURING COMPANY, Maysville, Ky. Filed Sept. 28, 1948. Under section 2f of the act of 1946.

GRIPLINK

Applicant claims ownership of Registration No. 408,889.
FOR POWER TRANSMISSION BELTING.
Claims use since July 1943.

Ser. No. 566,954. SEIBERLING RUBBER COMPANY, Akron, Ohio. Filed Oct. 13, 1948. Under section 2f of the act of 1946.

SEIBERLING

Applicant claims ownership of Registrations Nos. 176,921 and 172,503.
FOR ELASTIC VEHICLE TIRES COMPOSED WHOLLY OR IN PART OF RUBBER, AUTO FLAPS, RELINERS, STRAP-ON BOOTS, ADJUSTABLE BLOWOUT PATCHES, VALVE PATCHES, CAMEL BACK, REPAIR KITS FOR TIRES AND TUBES, AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Dec. 14, 1921.

CLASS 37

PAPER AND STATIONERY

Ser. No. 543,355. HURLBUT PAPER COMPANY, South Lee, Mass. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

Hurlbut Bank Bond

The words "Bank Bond" are disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 285,187, 285,186, 285,681, 287,308, and 387,170.
FOR WRITING AND PRINTING PAPER.
Claims use since November 1894.

Ser. No. 547,407. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 8, 1947.

PIONEER DECALCOMANIA PAPER

The words "Decalcomania Paper" are disclaimed. Applicant claims ownership of Registration No. 332,086.
FOR DECALCOMANIA PAPER.
Claims use since June 4, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 514,353. O. D. KEEP ASSOCIATES, INC., Los Angeles, Calif. Original filed, act of 1905, Oct. 24, 1946; amended to application under act of 1946, Principal Register, Aug. 26, 1947.

FORTNIGHT

FOR MAGAZINE.
Claims use since Oct. 7, 1946.

Ser. No. 530,041. GEORGE W. WHITEHEAD, doing business as Locker Publications Company, Des Moines, Iowa, assignor to Locker Publications Company, Des Moines, Iowa, a corporation of Iowa. Filed July 30, 1947. Under section 2f of the act of 1946.

Locker Operator

Applicant claims ownership of Registration No. 411,646.
FOR MAGAZINE PUBLISHED MONTHLY DEVOTED TO THE INTEREST OF THE FROZEN FOOD LOCKER INDUSTRY, OPERATORS, AND OWNERS.
Claims use since March 1941.

Ser. No. 547,256. KAUMAGRAPH COMPANY, Wilmington, Del. Filed Jan. 16, 1948.

KAUMAGRAPH

Applicant claims ownership of Registrations Nos. 295,905 and 296,698.
FOR TRANSFERS COMPRISING A PAPER BASE HAVING A FUSIBLE MARKING THEREON FOR APPLICATION TO TEXTILES AND OTHER MATERIALS FOR LABELING PURPOSES BY MEANS OF HEAT, PRINTED HOSIERY AND LINGERIE WRAPS, RIDER TICKETS, PRINTED CLOTH AND PAPER LABELS, AND PRINTED FABRIC MAPS.
Claims use since January 1904.

Ser. No. 547,555. KAUMAGRAPH COMPANY, Wilmington, Del. Filed Jan. 20, 1948.



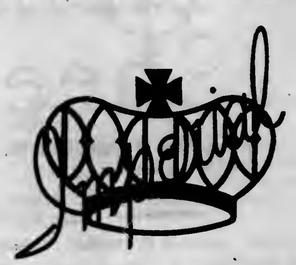
FOR TRANSFERS COMPRISING A PAPER BASE HAVING A FUSIBLE MARKING THEREON FOR APPLICATION TO TEXTILES AND OTHER MATERIALS FOR LABELING PURPOSES BY MEANS OF HEAT, PRINTED HOSIERY AND LINGERIE WRAPS, RIDER TICKETS, PRINTED CLOTH AND PAPER LABELS, AND PRINTED FABRIC MAPS.
Claims use since Mar. 23, 1918.

Ser. No. 548,183. QUALITY COMICS, INC., New York, N. Y. Filed Jan. 28, 1948.



The drawing is lined to indicate the colors blue, red and yellow. The words "The Star That Came Down From Heaven" are disclaimed apart from the mark.
FOR FEATURE IN A MAGAZINE.
Claims use since Aug. 25, 1946.

Ser. No. 556,099. IMPERIAL PUBLISHERS, Howells, Nebr. Filed May 3, 1948.



FOR PRINTED BIRTH ANNOUNCEMENTS.
Claims use since Apr. 1, 1948.

Ser. No. 556,388. THE YORKE PUBLISHING COMPANY, INC., New York, N. Y. Filed May 6, 1948. Under section 2f of the act of 1946.

The American Journal of Surgery

Applicant claims ownership of Registration No. 340,258.
FOR MAGAZINE.
Claims use since May 1926.

Ser. No. 559,853. MIAMI BEACH PUBLISHING COMPANY, Miami Beach, Fla. Filed June 21, 1948.

THE FLORIDA SUN

The word "Florida" is disclaimed apart from the trademark as shown.
FOR WEEKLY NEWSPAPER.
Claims use since May 23, 1948.

Ser. No. 562,034. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed July 23, 1948. Under section 2f of the act of 1946.

MECHANIX ILLUSTRATED

Applicant claims ownership of Registration No. 258,083.
FOR MONTHLY PUBLICATION.
Claims use since May 1938.

Ser. No. 564,028. DETROIT YACHT CLUB, Detroit, Mich. Filed Apr. 27, 1948.

The Main Sheet

Applicant claims ownership of Registration No. 241,522.
FOR PERIODICALS.
Claims use since July 1924.

Ser. No. 564,725. ARTHUR O. HARRIS, Buffalo, N. Y. Filed Sept. 4, 1948.

DYNAMICS OF SELLING

No registration rights are claimed for the word "Selling" except when used in connection with the trade-mark as shown.
FOR PUBLICATION USED AS REFERENCE AND LECTURE TEXT IN TRAINING COURSES AND PUBLISHED IN A SERIES.
Claims use since Feb. 16, 1948.

Ser. No. 564,878. KALEIDOSCOPE, INC., New York, N. Y. Filed Sept. 9, 1948.

KALEIDOSCOPE

FOR PERIODICAL.
Claims use since July 1947.

Ser. No. 565,032. THOMAS E. ALLISON, doing business as AC Screen Process Company, Dallas, Tex. Filed Sept. 13, 1948.

REFLECTOCAL

FOR DECALCOMANIAS.
Claims use since Sept. 1, 1948.

Ser. No. 566,236. KINSTON FREE PRESS COMPANY, INC., Kinston, N. C. Filed Oct. 1, 1948. Under section 2f of the act of 1946.

KINSTON DAILY FREE PRESS
"America's Premier Small City Daily"

No claim is made to the words "America's Premier Small City Daily" apart from the mark as shown. Applicant claims ownership of Registration No. 373,788.
FOR DAILY NEWSPAPER.
Claims use since Feb. 9, 1924.

Ser. No. 566,391. LUTTERWORTH PERIODICALS LIMITED, London, Redhill, England. Filed Oct. 4, 1948.

LITTLE DOT'S PLAYWAYS

Applicant claims ownership of British Registration No. 622,145, dated Feb. 16, 1943.
FOR PERIODICAL PRINTED PUBLICATIONS.

CLASS 39
CLOTHING

Ser. No. 542,101. THE DAYTON COMPANY, Minneapolis, Minn. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

DORVILLE

Applicant claims ownership of Registration No. 235,122.
FOR MEN'S SUITS AND OVERCOATS.
Claims use since Aug. 18, 1926.

Ser. No. 542,102. THE DAYTON COMPANY, Minneapolis, Minn. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

Hoxton

Applicant claims ownership of Registration No. 235,408.
FOR MEN'S SUITS AND OVERCOATS.
Claims use since Aug. 18, 1926.

Ser. No. 543,692. JOHN CROWTHER & SONS (MILNSBRIDGE) LIMITED, Huddersfield, England. Filed Dec. 8, 1947.

AMNERIS

FOR MEN'S AND BOYS' SUITS, JACKETS, VESTS, TROUSERS, BREECHES, COATS, HATS, AND CAPS, AND WOMEN'S COATS, FROCKS, SKIRTS, AND COSTUMES.
Claims use since Apr. 8, 1946.

Ser. No. 544,098. N. & W. OVERALL CO., INC., Lynchburg, Va. Filed Dec. 11, 1947.

Nags Head

FOR SPORT JACKETS, AND JACKETS OF LEATHER AND OF WOOL, SPORT SHIRTS, AND WORK AND SPORT PANTS FOR MEN, BOYS, AND WOMEN.
Claims use since Jan. 15, 1945.

Ser. No. 551,050. MITCHEL SCHNEIDER CO. INC., Brooklyn, N. Y. Filed Mar. 2, 1948.

Zeldeen COTTONS

The word "Cottons" is disclaimed apart from the mark as shown in the drawing.
FOR LADIES' KNITTED AND TEXTILE UNDERWEAR, SLIPS, PAJAMAS, NIGHTGOWNS, NEGLIGEES, AND HOUSE COATS, ALL MADE IN WHOLE OR IN SUBSTANTIAL PART OF COTTON.
Claims use since Oct. 1, 1942.

Ser. No. 554,501. KRASNOW BELT CO., INC., New York, N. Y. Filed Apr. 13, 1948.

BRAND-U

The word "Brand" is disclaimed apart from the mark.
FOR GARMENT BELTS.
Claims use since Mar. 23, 1948.

Ser. No. 555,133. THE WOHL SHOE COMPANY, St. Louis, Mo. Filed Apr. 20, 1948.

Antoine

Applicant claims ownership of Registration No. 436,519.
FOR HOSIERY.
Claims use since Aug. 21, 1947.

Ser. No. 555,468. PAUL C. WOLPER, Wellesley Hills, Mass. Filed Apr. 23, 1948. Under section 2f of the act of 1946.

Normal Tred Arch

The word "Arch" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 254,583.
FOR MEN'S, WOMEN'S, AND CHILDREN'S BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER, RUBBER, FIBRE, OR TEXTILE MATERIAL.
Claims use since Feb. 10, 1923.

Ser. No. 555,960. SAKS & COMPANY, New York, N. Y. Filed Apr. 30, 1948.

TRIDENT-HEEL



The word "Heel" is disclaimed apart from the mark.
FOR HOSIERY.
Claims use since Mar. 10, 1948.

Ser. No. 556,336. HART SCHAFFNER & MARX, Chicago, Ill. Filed May 6, 1948.

FROST LOOM

Applicant claims ownership of Registration No. 440,580.
FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES.
Claims use since Oct. 7, 1946.

Ser. No. 557,516. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass. Filed May 21, 1948.

GRIPSEM ARCH

The word "Arch" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 217,045.
FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC OR COMBINATIONS THEREOF.
Claims use since December 1922.

Ser. No. 561,242. JOHN IRVING SHOE CORPORATION, Boston, Mass. Filed July 13, 1948.

-Exotics-

FOR WOMEN'S SHOES.
Claims use since March 1947.

Ser. No. 561,244. JOHN IRVING SHOE CORPORATION, Boston, Mass. Filed July 13, 1948.

Pretty Walk

FOR WOMEN'S SHOES.
Claims use since November 1946.

Ser. No. 562,089. HARRY SKLAROFF SONS, INC., Philadelphia, Pa. Filed July 23, 1948.

CITATION

FOR WOMEN'S HOSIERY.
Claims use since May 12, 1948.

Ser. No. 562,318. CARLTON-BEST MADE COMPANY, Philadelphia, Pa. Filed July 28, 1948.



No claim is made to the word "Product" except in the association shown. The picture of the girl is fanciful.
FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, PANTIES, SLIPS, AND APRONS.
Claims use since Mar. 12, 1948.

Ser. No. 562,545. DABBY HOSIERY CO., New York, N. Y. Filed July 30, 1948.

dabby

FOR WOMEN'S HOSIERY.
Claims use since Mar. 1, 1948.

Ser. No. 562,684. ANICE, New Canaan, Conn. Filed Aug. 3, 1948.

Anice

Applicant claims ownership of Registration No. 382,940.
FOR WOMEN'S WEAR—NAMELY, FABRIC GLOVES, COLLARS, NECKTIES, SCARFS, NECKERCHIEFS, HANDKERCHIEFS, TURBANS, APPAREL BELTS, AND SHIRTWAISTS.
Claims use since June 10, 1939.

Ser. No. 565,019. STANLEY MAHLON STRAUSS, doing business as Santike Lingerie Company, Brownstown, Pa. Filed Sept. 11, 1948.

Santike

FOR LADIES' AND CHILDREN'S SLIPS, NIGHTGOWNS, PETTICOATS, PANTIES, AND PAJAMAS.
Claims use since Aug. 25, 1948.

Ser. No. 565,115. CHIQUE FOUNDATIONS CORP., New York, N. Y. Filed Sept. 14, 1948.

PET

FOR GIRDLES.
Claims use since July 2, 1948.

Ser. No. 567,262. G. R. KINNEY CO., INC., New York, N. Y. Filed Oct. 20, 1948.

Style-Craft

The word "Style" is disclaimed apart from the mark shown. Applicant claims ownership of Registration No. 250,950.
FOR SHOES OF LEATHER, FABRIC AND RUBBER AND COMBINATIONS THEREOF.
Claims use since 1919.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 575,115. AMERICAN FOLDING UMBRELLA CO., Long Island City, N. Y. Filed Mar. 9, 1949.

MARVEL

FOR UMBRELLA FRAMES.
Claims use since July 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 471,112. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Original filed, act of 1905, June 10, 1944; amended to application under act of 1946, Principal Register, July 8, 1949. Under section 2f of the act of 1946.

BAN-FLAME

FOR TREATED PIECE GOODS RESISTANT TO IGNITION MADE OF COTTON, WOOL, SILK, OR CELLULOSE DERIVATIVES.
Claims use since May 26, 1944.

Ser. No. 561,755. LEVINSOHN TEXTILE CO., New York, N. Y. Filed July 20, 1948.

ZIP ⊙ TIK

Applicant disclaims "Tik" apart from the mark shown.
FOR PILLOW TICKS.
Claims use since Apr. 1, 1948.

Ser. No. 563,983. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

COTTONLEATHER

Applicant claims ownership of Registrations Nos. 402,837, 411,633, and 411,634.
FOR GROUND SURFACED, NAPPED, FLEXIBLE COTTON PIECE GOODS.
Claims use since Dec. 15, 1942.

CLASS 43

THREAD AND YARN

Ser. No. 575,224. MAX POLLACK & CO., INC., New York, N. Y. Filed Mar. 10, 1949.

LO-EL

SEWING THREADS.
Claims use since May 26, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 549,220. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

Armstrong's

FOR MEDICINE DROPPER BOTTLES SO DESIGNED TO MEASURE THE CONTENTS IN POURING, MEDICINE DROPPERS, MEDICINE FEEDING TUBES AND CUPS, EYE CUPS, HOSPITAL TYPE URINALS, BREAST PUMPS, NASAL DOUCHES, CATHETERS, VAGINAL PIPES, VAGINAL IRRIGATORS, GLASS CONNECTING TUBES FOR JOINING RUBBER TUBING USED FOR DRAINAGE PURPOSES, IRRIGATOR POINTS, NASAL DOUCHE TIPS, RECTAL AND VAGINAL PIPES, FACE BOTTLES AND WATER BOTTLES USED FOR HOT AND COLD PACKS FOR THERAPEUTIC PURPOSES, ICE CAPS AND BAGS, FOUNTAIN SYRINGES, COMBINATION WATER BOTTLES AND FOUNTAIN SYRINGES MADE OF RUBBER OR SIMILAR MATERIAL, SPRAY DOUCHES, IRRIGATORS, SPINAL ICE BAGS, TONSILLECTOMY ICE COLLARS, INVALID CUSHIONS, COLON AND RECTAL TUBES, DRAINAGE TUBING FOR MEDICAL OR SURGICAL USE, WHITE SUPPORTER TUBING FOR USE IN SUPPORTING ABDOMINAL SUPPORTER TRUSSES AND OTHER SURGICAL APPLIANCES, EAR SYRINGES AND DOUCHES, INFANT SYRINGES, NASAL SYRINGES, BULB SYRINGES, SURGEONS' RUBBER GLOVES, SURGICAL FINGER COTS, NURSING NIPPLES, NIPPLE SHIELDS, NURSING BOTTLES, CRUTCH TIPS, CLINICAL THERMOMETERS, METATARSAL PADS, AND WOOD APPLICATOR AND TONGUE BLADES.
Claims use since Oct. 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 499,350. PURITY CHEESE COMPANY, Mayville, Wis. Original filed, act of 1905, Mar. 30, 1946; amended to application under act of 1946, Principal Register, Dec. 19, 1947.

Pure-Crest

The word "Pure" is disclaimed apart from the mark.
FOR CHEESE.
Claims use since Mar. 4, 1946.

Ser. No. 519,753. HORLICKS CORPORATION, Racine, Wis. Original filed, act of 1905, Mar. 28, 1947; amended to application under act of 1946, Principal Register, May 20, 1948.



FOR MALTED MILK IN POWDER FORM, NATURAL AND CHOCOLATE FLAVORS.
Claims use since Oct. 14, 1946.

Ser. No. 524,334. KEYSTONE COOPERATIVE GRAPE ASSOCIATION, North East, Pa. Original filed, act of 1905, June 17, 1947; amended to application under act of 1946, Principal Register, Apr. 8, 1949. Under section 2f of the act of 1946.

North East

FOR CANNED TOMATOES, CANNED CHERRIES, TOMATO JUICE.
Claims use since 1903.

Ser. No. 533,896. THE HOUGHLAND PACKING CO., INC., Franklin, Ind. Filed Sept. 9, 1947.

KITCHENETTE

FOR CANNED VEGETABLES, CANNED TOMATO JUICE, AND TOMATO CATSUP.
Claims use since Aug. 10, 1922.

Ser. No. 535,788. BEATRICE FOODS CO., Chicago, Ill. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

BLUE VALLEY

Applicant claims ownership of Registrations Nos. 64,720, 64,721, 184,641, 227,392, 227,456, 265,006, 267,536, 306,727, and 335,870.
FOR FRESH MILK, FRESH CREAM, FRESH EGGS, BUTTER, AND CHEESE.
Claims use since September 1894.

Ser. No. 555,400. FARMINGDALE N. J. COOPERATIVE EGG PRODUCERS ASS'N. INC., Lakewood, N. J. Filed Apr. 23, 1948.

FARMCO

FOR FRESH EGGS.
Claims use since 1945.

Ser. No. 556,605. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 8, 1948.

Shefford

Applicant claims ownership of Registration No. 314,800.
FOR CHEESE, CHEESE SPREADS, AND PROCESS CHEESE FOOD.
Claims use since 1902.

Ser. No. 556,994. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 13, 1948.

Chevel

Applicant claims ownership of Registrations Nos. 318,482 and 425,834.
FOR PROCESS CHEESE FOOD.
Claims use since Mar. 7, 1946.

Ser. No. 559,233. LIBERTY ORCHARDS COMPANY, Cashmere, Wash. Filed June 15, 1948.

FRUITLETS

Applicant claims ownership of Registrations Nos. 146,802 and 344,797.
FOR CANDY.
Claims use since May 21, 1948.

Ser. No. 560,504. TEX-O-KAN FLOUR MILLS CO., doing business as Burrus Mill & Elevator Co., Fort Worth, Tex. Filed June 30, 1948.

BURRUS MILL & ELEVATOR CO. FT. WORTH, TEX.
LIGHT CRUST

The following color-scheme is an essential feature of the mark: The expression "Light Crust" is shown in red-shaded white letters on a blue panel. The fictitious female figure has dark hair and is wearing a white-dotted blue dress with white collar and apron. She appears against a yellow background. The words "Burrus Mill & Elevator Co. Ft. Worth, Tex." appear in white letters on a red arcuate panel. This arcuate panel and the blue panel confine the yellow background on which the female figure appears. The red arcuate panel is bordered by a narrow blue concentric band spaced slightly therefrom. No claim is made to the words "Mill & Elevator Co. Ft. Worth, Tex." except as shown. Applicant claims ownership of Registrations Nos. 50,479, 55,938, 502,439, and 509,538.
FOR WHEAT FLOUR.
Claims use since Oct. 1, 1941.

Ser. No. 561,184. CITRUS BY-PRODUCTS CORPORATION, McAllen, Tex. Filed July 12, 1948.

SUGATEX

FOR DAIRY AND LIVESTOCK FEEDS CONSISTING OF DRIED CITRUS PULP AND CITRUS MOLASSES.
Claims use since Mar. 13, 1947.

Ser. No. 563,419. LANCS, INC., Charlotte, N. C. Filed Aug. 14, 1948. Under section 2f of the act of 1946.

TOASTCHEE

Applicant claims ownership of Registration No. 375,385.
FOR PEANUT BUTTER SANDWICHES.
Claims use since Jan. 1, 1938.

Ser. No. 563,934. THE ISALY DAIRY COMPANY, Youngstown, Ohio. Filed Aug. 24, 1948.

KLONDIKE

FOR CHOCOLATE COVERED ICE CREAM SLICE.
Claims use since Jan. 1, 1928.

Ser. No. 564,126. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 25, 1948.

OLD ADMIRAL

FOR CHEESE.
Claims use since Aug. 1, 1947.

Ser. No. 564,325. FLOUR MILLS OF AMERICA, INC., Kansas City, Mo., doing business as Great Bend Milling Company, Great Bend, Kans. Filed Aug. 28, 1948.

GREAT REWARD

FOR WHEAT FLOUR.
Claims use since January 1941.

Ser. No. 564,340. MINNESOTA MACARONI COMPANY, St. Paul, Minn. Filed Aug. 28, 1948.

Quickiteens

FOR SPAGHETTI.
Claims use since Apr. 21, 1948.

Ser. No. 564,569. M. J. HOLLOWAY & CO., Chicago, Ill. Filed Sept. 2, 1948.

Hya

FOR CANDY.
Claims use since Mar. 12, 1932.

Ser. No. 564,647. PEORIA CREAMERY COMPANY, Peoria, Ill. Filed Sept. 3, 1948. Under section 2f of the act of 1946.

PEORIA

Applicant claims ownership of Registration No. 251,911.
FOR BUTTER.
Claims use since Mar. 1, 1912.

Ser. No. 564,854. GIOVANNI BERTOLLI CORP., Brooklyn, N. Y. Filed Sept. 9, 1948.

CASA NUOVA

FOR COFFEE AND VINEGAR.
Claims use since Sept. 1, 1948.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 537,989. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 16, 1947.

Club Aluminum *Table Service*

The term "Aluminum Table Service" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 309,004.
FOR CAST ALUMINUM COOKING UTENSILS—NAMELY, HOT PAD SETS.
Claims use since Apr. 1, 1947.

Ser. No. 562,260. WILLIAM R. GROVE, Laurel, Fla. Filed July 27, 1948.

AIRWRAP

The representation of the goods is disclaimed.
FOR SYNTHETIC RUBBER SHEETING FOR USE IN PLANT PROPAGATION.
Claims use since July 1, 1948.

Ser. No. 567,941. ALTO-METAL PRODUCTS, INC., Cincinnati, Ohio. Filed Nov. 1, 1948.

amp

FOR CALL LETTER PLATES FOR BROADCASTERS, RESIDENCE PLATES, NAME PLATES, AND LAPEL BUTTONS MADE OF NONPRECIOUS METAL.
Claims use since Oct. 17, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,449. BOOTS AND SHOES MADE OF LEATHER AND OF LEATHER AND CLOTH. ALEXANDER E. LITTLE, doing business as A. E. Little Co., Lynn, Mass.
Filed Jan. 11, 1946, Serial No. 494,618. Published July 5, 1949. Class 39.

443,450. PLAIN AND CHROMIUM PLATED PEWTER WARE AND ALUMINUM WARE—NAMELY, DISHES, BOWLS, COMPOTES, TRAYS, CREAMERS, CORDIAL SETS, CASSEROLES, COFFEE URNS, PERCOLATORS, COFFEE POTS, TEA POTS, COCKTAIL SHAKERS, CUPS, PITCHERS, AND TANTALUS SETS. CONTINENTAL SILVER CO. INC., Brooklyn, N. Y.
Filed Feb. 9, 1946, Serial No. 496,303. Published July 5, 1949. Class 13.

443,451. PHOTOGRAPHIC EQUIPMENT—NAMELY, TITLING MACHINES FOR MOTION PICTURE FILM, ETC. GARDNER CINE COMPANY, Los Angeles, Calif., assignor to Gardner Cineco Inc., Los Angeles, Calif., a corporation of California.
Filed June 25, 1946, Serial No. 504,546. Published Feb. 24, 1948. Class 26.

443,452. COATS, HATS, SUITS, UNDERWEAR, AND GLOVES FOR MEN, WOMEN, AND CHILDREN, ETC. GREGOIRE OVSIANICO, Paris, France.
Filed July 19, 1946, Serial No. 505,912. Published June 14, 1949. Class 39.

443,453. POULTRY AUTOMATIC NONFLOAT FOUNTAINS THAT ARE CONNECTED TO A WATER SUPPLY AND PARTS THEREOF, INCLUDING A SPIDER, STEM, SPRING, ADJUSTING CLIP, VALVE CORE, AND PAN. LANGDON MFG. CO., Glendale, Calif.
Filed July 30, 1946, Serial No. 506,534. Published July 5, 1949. Class 13.

443,454. PERFUMES, TOILET WATERS, COLOGNES, FACE POWDER, LIPSTICKS, AND ROUGE. MAURICE LANDON, doing business under the name of Parfums Saint-Cyr, New York, N. Y., and Paris, France.
Filed Aug. 10, 1946, Serial No. 507,195. Published July 12, 1949. Class 6.

443,455. OUTER CLOTHING—NAMELY, JACKETS AND RIDING PANTS FOR WOMEN, MISSES, AND JUNIOR MISSES. FISHBACK MANUFACTURING COMPANY, Denver, Colo.
Filed Sept. 6, 1946, Serial No. 508,591. Published June 7, 1949. Class 39.

443,456. BOYS', GIRLS', AND CHILDREN'S COATS AND SUITS. FRED P. WEISSMAN CO., Harrodsburg, Ky.
Filed Nov. 22, 1946, Serial No. 513,082. Published June 28, 1949. Class 39.

443,457. FRESH TOMATOES. DI FRANCO & URSO, New York, N. Y.
Filed Dec. 6, 1946, Serial No. 513,809. Published July 5, 1949. Class 46.

443,458. MAGAZINES PUBLISHED FROM TIME TO TIME. GERARD LAWRENCE STANNARD, New York, N. Y.
Filed Dec. 31, 1946, Serial No. 515,101. Published June 14, 1949. Class 38.

443,459. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala.
Filed Jan. 23, 1947, Serial No. 516,217. Published Nov. 16, 1948. Class 35.

443,460. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala.
Filed Jan. 23, 1947, Serial No. 516,218. Published Nov. 16, 1948. Class 35.

443,461. PAINTS—NAMELY, FOR READY MIXED FLAT PAINTS, GLOSS PAINTS, AND PAINT ENAMELS. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Mar. 29, 1947, Serial No. 519,843. Published July 12, 1949. Class 16.

443,462. WALL CALENDARS, BOOKLETS, FOLDERS. THE LEHON COMPANY, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,740. Published June 28, 1949. Class 38.

443,463. WALL CALENDARS, BOOKLETS, FOLDERS. THE LEHON COMPANY, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,741. Published June 28, 1949. Class 38.

443,464. CANNED FRUITS AND VEGETABLES. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif.
Filed Apr. 26, 1947, Serial No. 521,407. Published July 5, 1949. Class 46.

443,465. PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed May 22, 1947, Serial No. 522,809. Published Aug. 17, 1948. Class 38.

443,466. MEN'S HATS. GOLDRIM HAT CO., New York, N. Y.
Filed June 30, 1947, Serial No. 525,213. Published June 28, 1949. Class 39.

443,467. WOMEN'S AND GIRLS' FELT HATS. SALFAIR, New York, N. Y.
Filed July 2, 1947, Serial No. 525,688. Published July 5, 1949. Class 39.

443,468. RADIO RECEIVING SETS. ELECTRONIC LABORATORIES, INC., Indianapolis, Ind.; Jack I. Kahn, trustee in bankruptcy, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware.
Filed July 4, 1947, Serial No. 526,331. Published July 26, 1949. Class 21.

ACT OF 1946, PRINCIPAL REGISTER

516,337. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Original filed, act of 1905, Aug. 6, 1945; amended to application under act of 1946, Principal Register, May 18, 1948, Serial No. 486,778. Published July 5, 1949. Class 46.

516,338. HOSIERY. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind.
Original filed, act of 1905, Sept. 18, 1945; amended to application under act of 1946, Principal Register, Mar. 18, 1948, Serial No. 488,662. Published July 5, 1949. Class 39.

516,339. SNAP FASTENERS. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Original filed, act of 1905, Mar. 8, 1946; amended to application under act of 1946, Principal Register, Sept. 20, 1947, Serial No. 497,891. Published May 24, 1949. Class 40.

516,340. FASTENERS, CONNECTORS AND ATTACHING DEVICES OF VARIOUS TYPES USED IN THE HOUSEHOLD, ETC. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Original filed, act of 1905, Mar. 8, 1946; amended to application under act of 1946, Principal Register, Oct. 6, 1947, Serial No. 497,893. Published June 28, 1949. Class 13.

516,341. PERIODICAL PUBLISHED WEEKLY COMPRISING ANALYSES OF ECONOMIC DEVELOPMENTS AND TENDENCIES. THE CONTINENTAL BANK & TRUST COMPANY OF NEW YORK, New York, N. Y., assignor to Chemical Bank & Trust Company, New York, N. Y., a corporation of New York.
Original filed, act of 1905, Apr. 6, 1946; amended to application under act of 1946, Principal Register, July 24, 1947, Serial No. 499,766. Published Oct. 12, 1948. Class 38.

516,342. CANDY. E. J. BRACH & SONS, Chicago, Ill.
Original filed, act of 1905, Apr. 18, 1946; amended to application under act of 1946, Principal Register, Mar. 19, 1948, Serial No. 500,458. Published July 5, 1949. Class 46.

516,343. JANITORIAL SUPPLIES—NAMELY, FLOOR WAX. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif.
Original filed, act of 1905, Apr. 23, 1946; amended to application under act of 1946, Principal Register, Nov. 12, 1947, Serial No. 500,744. Published June 7, 1949. Class 16.

516,344. PLIANT SYNTHETIC PLASTIC SHEETING RESEMBLING ARTIFICIAL LEATHER. UNITED STATES RUBBER COMPANY, New York, N. Y.
Original filed, act of 1905, May 3, 1946; amended to application under act of 1946, Principal Register, Aug. 20, 1947, Serial No. 501,424. Published Oct. 19, 1948. Class 50.

516,345. PUBLICATIONS AND PRINTS COMPRISING CHARTS, ETC. THE CHEK-CHART CORPORATION, Chicago, Ill.
Original filed, act of 1905, Sept. 12, 1946; amended to application under act of 1946, Principal Register, July 23, 1947, Serial No. 508,888. Published June 21, 1949. Class 38.

516,346. PAMPHLETS TO BE USED IN CONNECTION WITH THE ACTIVITIES OF THE ORGANIZATION. NATIONAL RIFLE ASSOCIATION OF AMERICA, Washington, D. C.
Original filed, act of 1905, Sept. 19, 1946; amended to application under act of 1946, Principal Register, July 17, 1948, Serial No. 509,358. Published July 19, 1949. Class 38.

516,347. PAMPHLETS TO BE USED IN CONNECTION WITH THE ACTIVITIES OF THE ORGANIZATION. NATIONAL RIFLE ASSOCIATION OF AMERICA, Washington, D. C.
Original filed, act of 1905, Sept. 19, 1946; amended to application under act of 1946, Principal Register, July 17, 1946, Serial No. 509,360. Published June 21, 1949. Class 38.

516,348. BEARING ADJUSTERS, IN THE FORM OF SHIMS. PERFECT CIRCLE CORPORATION, Hagerstown, Ind., by change of name from The Perfect Circle Company.
Original filed, act of 1905, Sept. 23, 1946; amended to application under act of 1946, Principal Register, Sept. 24, 1947, Serial No. 509,595. Published June 14, 1949. Class 35.

516,349. ELECTRICALLY OPERATED VIBRATO PRODUCING ATTACHMENT FOR MUSICAL INSTRUMENTS. WHITE-GERLAT COMPANY, Racine, Wis.
Original filed, act of 1905, Oct. 7, 1946; amended to application under act of 1946, Principal Register, Dec. 26, 1947, Serial No. 510,412. Published May 10, 1949. Class 36.

516,350. PERIODICAL PUBLISHED REGULARLY. HUGHES TOOL COMPANY, doing business as Hughes Aircraft Company, Culver City, Calif.
Original filed, act of 1905, Oct. 19, 1946; amended to application under act of 1946, Principal Register, Jan. 26, 1948, Serial No. 511,154. Published June 14, 1949. Class 38.

516,351. CHEMICAL PREPARATION IN POWDERED FORM SOLD PRIMARILY FOR USE IN DAIRIES FOR USE AS A CLEANSER AND WATER SOFTENER. THE DIVERSEY CORPORATION, Chicago, Ill.
Original filed, act of 1905, Dec. 6, 1946; amended to application under act of 1946, Principal Register, July 19, 1947, Serial No. 513,813. Published May 4, 1948. Class 4.

516,352. CANNED FRUITS. MANTECA CANNING COMPANY, Manteca, Calif.
Original filed, act of 1905, Jan. 11, 1947; amended to application under act of 1946, Principal Register, Oct. 7, 1947, Serial No. 515,626. Published July 5, 1949. Class 46.

516,353. PERIODICAL PUBLICATION DEVOTED TO MEDICINE AND SURGERY. THE BURDICK CORPORATION, Milton, Wis.
Original filed, act of 1905, Jan. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 30, 1948, Serial No. 515,860. Published July 5, 1949. Class 38.

516,354. BASE METAL COOKING, KITCHEN, HOUSEHOLD, AND HOSPITAL WARE—NAMELY, WASH BASINS, ETC. THE REPUBLIC STAMPING AND ENAMELING COMPANY, Canton, Ohio.
Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, May 3, 1948, Serial No. 517,663. Published July 5, 1949. Class 13.

516,355. READY MIXED PAINT; PAINT ENAMELS; PAINT ENAMEL UNDERCOATS, ETC. O'BRIEN VARNISH COMPANY, South Bend, Ind., now by change of name The O'Brien Corporation.
Original filed, act of 1905, Feb. 19, 1947; amended to application under act of 1946, Principal Register, Sept. 27, 1947, Serial No. 517,794. Published June 21, 1949. Class 16.

516,356. DRESS FORMS MADE OF WOOD, CARDBOARD, METAL, OR MOLDED MATERIALS. PAUL FERRET, Paris, France.
Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, Dec. 31, 1946, Serial No. 520,139. Published June 28, 1949. Class 50.

516,357. COMPLETE ITALIAN DINNER CONSISTING OF SPAGHETTI, CHEESE, AND MUSHROOM SAUCE INGREDIENTS. CARAVETTA FOODS CO., Chicago, Ill.
Original filed, act of 1905, Apr. 11, 1947; amended to application under act of 1946, Principal Register, Feb. 28, 1948, Serial No. 520,495. Published July 5, 1949. Class 46.

516,358. FRESH PEARS. HIGHCROFT ORCHARDS, Ashland, Oreg.
Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Principal Register, Oct. 27, 1947, Serial No. 521,333. Published July 5, 1949. Class 46.

516,359. REFRIGERANTS. ESTON CHEMICALS, INC., Los Angeles, Calif.
Original filed, act of 1905, Apr. 26, 1947; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 521,386. Published July 12, 1949. Class 6.

516,360. FEED PIPES OR TUBING MADE OF METAL FOR FEEDING LIQUID FUEL TO ENGINES. JOHN W. HUDSON, New York, N. Y.
Original filed, act of 1920, Apr. 26, 1947; amended to application under act of 1946, Principal Register, Apr. 24, 1948, Serial No. 521,389. Published June 28, 1949. Class 13.

516,361. WHEAT FLOUR AND SELF-RISING FLOUR. LILLINGTON ROLLER MILLS, INC., Lillington, N. C.
Original filed, act of 1905, May 31, 1947; amended to application under act of 1946, Principal Register, Jan. 28, 1949, Serial No. 523,557. Published June 14, 1949. Class 46.

516,362. FOOD COMPOSITION IN POWDERED FORM CONTAINING SORBITAN MONOSTEARATE, DEFATTED MILK SOLIDS, DEXTROSE, AND SPRAY DRIED EGG YOLK FOR USE AS AN EMULSIFYING STABILIZER IN THE MANUFACTURE OF ICE CREAM AND RELATED FOODS. R. G. MOENCH & CO., INC., New York, N. Y.
Original filed, act of 1905, June 6, 1947; amended to application under act of 1946, Principal Register, Dec. 13, 1947, Serial No. 523,705. Published July 5, 1949. Class 46.

516,363. SANDWICHES. SMOKEHOUSES, INC., Houston, Tex.
Original filed, act of 1920, June 6, 1947; amended to application under act of 1946, Principal Register, Dec. 18, 1947, Serial No. 523,727. Published July 5, 1949. Class 46.

516,364. BOOTS AND SHOES MADE WHOLLY OR PARTLY OF RUBBER. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y.
Original filed, act of 1905, June 18, 1947; amended to application under act of 1946, Principal Register, Dec. 31, 1947, Serial No. 524,896. Published July 5, 1949. Class 39.

516,365. CANDY. MAVRAKOS CANDY COMPANY, St. Louis, Mo.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, June 1, 1948, Serial No. 525,006. Published July 5, 1949. Class 46.

516,366. CANNED SARDINES. CENTRAL CANNING CO. A/S, Stavanger, Norway.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, Apr. 19, 1948, Serial No. 526,202. Published July 5, 1949. Class 46.

516,367. PAINT COMPRISING AN EMULSION CONTAINING PIGMENTS SOLUBLE IN WATER USED TO PRODUCE TRANSPARENT AND OPAQUE EFFECTS FOR ARTISTS' AND STUDENTS' USE. BINNEY & SMITH COMPANY, New York, N. Y.
Filed July 8, 1947, Serial No. 528,110. Published Mar. 29, 1949. Class 16.

516,368. READY-MIXED ANTI-FOULING COMPOSITIONS OR PAINTS FOR MARINE USE. STEARNS-MCKAY MANUFACTURING COMPANY, Boston, Mass.
Filed July 8, 1947, Serial No. 528,150. Published June 7, 1949. Class 16.

516,369. DECORATIVE LAMINATED PANELING FOR WAINSCOTING FURNITURE, COUNTERS, DOORS, SODA FOUNTAINS, AND WALL COVERING PANELS FOR BUILDINGS, BUSES, TRAINS, AND SHIPS. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio, now by change of name The Formica Company, a corporation of Ohio.
Filed July 9, 1947, Serial No. 528,204. Published June 21, 1949. Class 12.

516,370. CAST SWEAT METAL PIPE FITTINGS FOR DOMESTIC HEATING SYSTEMS. HERD UTILITIES, INC., Providence, R. I.
Filed July 10, 1947, Serial No. 528,281. Published July 5, 1949. Class 13.

516,371. HAIR DYE. TROUP WHITEHEAD, doing business under the name of Your Uncle Dudley, San Antonio, Tex.
Filed July 11, 1947, Serial No. 528,390. Published July 12, 1949. Class 6.

516,372. LUMPS OF CANDY ON STICKS. C. A. BRIGGS COMPANY, Cambridge, Mass.
Filed July 12, 1947, Serial No. 528,427. Published July 5, 1949. Class 46.

516,373. AMMONIUM PHOSPHATE AS A FLAME-PROOFING COMPOUND FOR USE IN TEXTILE AND PAPER MAKING. VICTOR CHEMICAL WORKS, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,535. Published June 28, 1949. Class 6.

516,374. PAJAMAS, MEN'S SHORTS AND POLO SHIRTS MADE FROM KNITTED, NETTED AND TEXTILE FABRICS AND FOR HOSIERY MADE ON FLAT OR CIRCULAR KNITTING MACHINES AND ALSO MADE OF KNITTED, NETTED AND TEXTILE FABRICS. PRESTIGE, INCORPORATED, Philadelphia, Pa., assignor to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States.
Filed July 16, 1947, Serial No. 528,738. Published June 21, 1949. Class 39.

516,375. CANDY, CHOCOLATE-COATED CANDY, SWEET CHOCOLATE CANDY BARS, BON-BONS, CARAMELS; AND CANDIED NUTS, CANDIED FRUITS, CANDIED DATES, AND CANDIED FIGS. BARRICINI INC., Long Island City and New York, N. Y.
Filed July 17, 1947, Serial No. 528,755. Published July 5, 1949. Class 46.

516,376. GLOVES MADE OF FABRIC AND COMBINATIONS OF LEATHER AND FABRIC. FLAMINGO GLOVE COMPANY, Chicago, Ill.
Filed July 17, 1947, Serial No. 528,779. Published June 21, 1949. Class 39.

516,377. LEATHER SHOES. J. EDWARDS & CO., Philadelphia, Pa.
Filed July 19, 1947, Serial No. 528,951. Published June 28, 1949. Class 39.

516,378. NEWSPAPERS, PUBLISHED AT LEAST WEEKLY. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md.
Filed July 22, 1947, Serial No. 529,125. Published June 14, 1949. Class 38.

516,379. NEWSPAPERS, PUBLISHED AT LEAST WEEKLY. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md.
Filed July 22, 1947, Serial No. 529,126. Published June 14, 1949. Class 38.

516,380. NEWSPAPERS, PUBLISHED AT LEAST WEEKLY. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md.
Filed July 22, 1947, Serial No. 529,128. Published June 14, 1949. Class 38.

516,381. NEWSPAPERS, PUBLISHED AT LEAST WEEKLY. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md.
Filed July 22, 1947, Serial No. 529,129. Published June 14, 1949. Class 38.

516,382. COMPOSITION FUEL IN THE FORM OF BRIQUETS. R. T. COLLIER CORPORATION, Los Angeles, Calif.
Filed Aug. 1, 1947, Serial No. 530,172. Published July 5, 1949. Class 1.

516,383. SOLUBILIZED INSOLUBLE NATURAL GUM FOR THE THICKENING OF COLOR PASTES FOR USE IN PRINTING TEXTILE FABRICS, AND FOR FINISHING TEXTILE FABRICS. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J.
Filed Aug. 7, 1947, Serial No. 530,773. Published June 28, 1949. Class 6.

516,384. CANDY. JOBBERS CANDY COMPANY, INC., Bristol, Va.
Filed Aug. 19, 1947, Serial No. 531,803. Published July 5, 1949. Class 46.

516,385. PERIODICAL PUBLICATION. REALISTINGS CORPORATION, Washington, D. C.
Filed Aug. 19, 1947, Serial No. 531,843. Published June 21, 1949. Class 38.

516,386. TIRE WALL PAINT; AUTOMOBILE TOP FINISH IN THE NATURE OF A PAINT; AND AUTOMOBILE FINISH CLEANER AND POLISH WITH WAX PREDOMINANT FOR A WAX SURFACE COATING. BOWES "SEAL-FAST" CORPORATION, Indianapolis, Ind.
Filed Aug. 23, 1947, Serial No. 532,204. Published June 7, 1949. Class 16.

516,387. MEN'S HOSIERY. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y.
Filed Aug. 27, 1947, Serial No. 532,546. Published Dec. 28, 1948. Class 39.

516,388. CRUSHED AND WHOLE FRUITS AND NUTS USED IN MAKING SHERBETS, ICES, AND ICE CREAM, ETC. RICHARDSON CORPORATION, Rochester, N. Y.
Filed Aug. 28, 1947, Serial No. 532,753. Published July 5, 1949. Class 46.

516,389. DECALCOMANIA TRANSFERS. CONTINENTAL DECALCOMANIA CO., Grand Rapids, Mich.
Filed Aug. 29, 1947, Serial No. 532,805. Published June 14, 1949. Class 38.

516,390. CLEANING COMPOUNDS FOR CLEANING CLOTHES, DISHES, WALLS, FLOORS, FURNITURE, MACHINERY, AND THE LIKE. THOMAS T. WATSON, doing business under the name of Chemical Compounding Co., Chicago, Ill.
Filed Sept. 2, 1947, Serial No. 533,088. Published July 12, 1949. Class 4.

516,391. HOSIERY. GALAX KNITTING COMPANY, INCORPORATED, Galax, Va.
Filed Sept. 3, 1947, Serial No. 533,158. Published July 5, 1949. Class 39.

516,392. TELEPHONE DIRECTORIES. GENERAL TELEPHONE DIRECTORY COMPANY, Long Beach, Calif.
Filed Sept. 8, 1947, Serial No. 533,727. Published July 5, 1949. Class 38.

516,393. MEN'S, WOMEN'S, BOYS', AND GIRLS' BATHING SUITS, ETC. THE ROLLMAN & SONS CO., Cincinnati, Ohio.
Filed Sept. 9, 1947, Serial No. 533,924. Published July 5, 1949. Class 39.

516,394. LUBRICATING OILS FOR GAS ENGINES AND MOTORS. NEW YORK & NEW JERSEY LUBRICANT COMPANY, New York, N. Y.
Filed Sept. 13, 1947, Serial No. 534,459. Published July 5, 1949. Class 15.

516,395. PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, ETC. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed Sept. 24, 1947, Serial No. 535,544. Published June 7, 1949. Class 16.

516,396. PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, ETC. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed Sept. 24, 1947, Serial No. 535,561. Published June 7, 1949. Class 16.

516,397. PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, ETC. J. F. KURFEES PAINT COMPANY, Louisville, Ky.
Filed Sept. 24, 1947, Serial No. 535,567. Published June 7, 1949. Class 16.

516,398. MEN'S AND BOYS' TOPCOATS, OVERCOATS, AND SUITS, COMPRISING COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed Sept. 26, 1947, Serial No. 535,853. Published July 5, 1949. Class 39.

516,399. BUILDER'S HARDWARE—NAMELY, DOOR STOPS, COAT AND HAT HOOKS, DOOR KNOBS, HANDLES, PULLS, SASH LIFTS, CASEMENT ADJUSTERS, DOOR HANDLE SETS, DOOR CLOSERS, AND PARTS OF THE AFORE-ENUMERATED HARDWARE. LOCKWOOD HARDWARE MFG. CO., Fitchburg, Mass.
Filed Oct. 7, 1947, Serial No. 537,055. Published June 28, 1949. Class 13.

516,400. HAND LOTIONS. MARY L. YAUMAN, doing business as The E & B Products Company, Youngstown, Ohio.
Filed Oct. 8, 1947, Serial No. 537,270. Published June 28, 1949. Class 6.

516,401. LEATHER SHOE WELTING. MCADOO & ALLEN WELTING COMPANY, Quakertown, Pa.
Filed Oct. 9, 1947, Serial No. 537,333. Published June 21, 1949. Class 39.

516,402. PREPARATION FOR THE TREATMENT OF DISEASES OF THE UDDER AND TEATS ON COWS, SUCH AS CAKED BAG, SORE TEATS, BUNCHES, CHAPPING, CUTS, SCRATCHES, SWELLINGS, AND INFLAMMATION, ETC. DAIRY ASSOCIATION CO., INC., Lyndonville, Vt.
Filed Oct. 10, 1947, Serial No. 537,431. Published July 12, 1949. Class 6.

516,403. MARINE FINISHES IN THE FORM OF ANTI-FOULING PAINT. AMERICAN PIPE AND CONSTRUCTION CO., Los Angeles, Calif.
Filed Oct. 13, 1947, Serial No. 537,648. Published June 7, 1949. Class 16.

516,404. MEN'S AND YOUTHS' OUTER CLOTHING—NAMELY, SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS. HOMELAND TAILORS, INC., Baltimore, Md.
Filed Oct. 23, 1947, Serial No. 538,753. Published June 28, 1949. Class 39.

516,405. TRADE MAGAZINES AND PUBLICATIONS CIRCULATING AMONG RETAIL GROCERY STORES, INCLUDING COMBINATION MARKETS, SELF-SERVICE STORES, DELICATESSENS, ETC. GROCER-GRAPHIC, INC., New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,317. Published June 28, 1949. Class 38.

516,406. TRADE MAGAZINES AND PUBLICATIONS, CIRCULATING AMONG THE TRADE INTERESTED IN SELLING AND MARKETING, INCLUDING MAN POWER PROBLEMS, SPACE AND TIME ADVERTISING, PROMOTION, PACKAGING, TRANSPORTATION, MARKET RESEARCH, AND OTHER RESPONSIBILITIES OF THE SALES EXECUTIVE, ETC. SALES MANAGEMENT, INC., New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,352. Published June 28, 1949. Class 38.

516,407. METAL THREAD PROTECTORS FOR PIPE; METAL PROTECTORS FOR OIL WELL SUCKER RODS; VALVE PLUGS AND RANGE BOILER PROTECTOR PLUGS. KRAUSS STAMPING & MFG. CO., Wheeling, W. Va.
Filed Oct. 30, 1947, Serial No. 539,528. Published July 5, 1949. Class 13.

516,408. SOLES AND HEELS OF NATURAL AND SYNTHETIC RUBBER AND COMPOSITIONS THEREOF, FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md.
Filed Nov. 3, 1947, Serial No. 539,937. Published July 5, 1949. Class 39.

516,409. PUBLICATION ISSUED PERIODICALLY. JOURNAL OF LIVING PUBLISHING CORPORATION, New York, N. Y.
Filed Nov. 4, 1947, Serial No. 540,076. Published July 6, 1948. Class 38.

516,410. GASOLINE, LUBRICATING MOTOR OILS, GREASE COMPOUNDS FOR LUBRICATING PURPOSES, KEROSENE, TRACTOR FUEL OIL, DRIPLESS PENETRATING OIL, AND TOP CYLINDER LUBRICATING OIL. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed Nov. 5, 1947, Serial No. 540,201. Published July 12, 1949. Class 15.

516,411. LIME USED FOR INDUSTRIAL AND CONSTRUCTION PURPOSES. MARBLEHEAD LIME COMPANY, Chicago, Ill.
Filed Nov. 7, 1947, Serial No. 540,429. Published June 28, 1949. Class 12.

516,412. GLAZING COMPOUND IN THE NATURE OF A PUTTY OR THE LIKE. PLASTIC PRODUCTS COMPANY, Detroit, Mich.
Filed Nov. 7, 1947, Serial No. 540,453. Published June 28, 1949. Class 12.

516,413. READY-MIXED PAINTS. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,616. Published June 7, 1949. Class 16.

516,414. LACQUER. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,622. Published June 7, 1949. Class 16.

516,415. INTERIOR AND EXTERIOR PASTE AND READY-MIXED PAINTS, ETC. KLIMATE-PRUF PAINT COMPANY, INC., Greensboro, N. C.
Filed Nov. 10, 1947, Serial No. 540,679. Published June 7, 1949. Class 16.

516,416. OUTER SHIRTS, SHORTS, AND PAJAMAS FOR MEN, WOMEN, AND CHILDREN. WAMSUTTA MILLS, New Bedford, Mass.
Filed Nov. 10, 1947, Serial No. 540,745. Published June 21, 1949. Class 39.

516,417. GLASS PERFUME BOTTLES, GLASS BAR GLASSES, GLASS DECANTER SETS, GLASS BEVERAGE SETS, GLASS PLATES, GLASS PEPPER AND SALT SHAKERS, ETC. S. & G. GUMP COMPANY, San Francisco, Calif.
Filed Nov. 15, 1947, Serial No. 541,288. Published July 5, 1949. Class 33.

516,418. EARTHENWARE BOWLS, VASES, PLATES, AND DINNER SETS, PORCELAIN BOWLS, VASES, PLATES, AND DINNER SETS. S. & G. GUMP COMPANY, San Francisco, Calif.
Filed Nov. 15, 1947, Serial No. 541,289. Published July 5, 1949. Class 30.

516,419. FLOOR TILES COMPOSED OF ASBESTOS, THERMOPLASTIC RESINS, PLASTICIZERS, INERT FILLERS, AND PIGMENTS. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed Nov. 17, 1947, Serial No. 541,425. Published July 12, 1949. Class 12.

516,420. COVED SET-ON TYPE OF WALL BASE COMPOSED OF ASBESTOS, THERMOPLASTIC RESINS, PLASTICIZERS, INERT FILLERS, AND PIGMENTS. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed Nov. 17, 1947, Serial No. 541,426. Published July 12, 1949. Class 12.

516,421. WATER-MIXED, WASHABLE, QUICK DRYING EMULSIFIED RESIN PAINTS SUITABLE FOR INTERIOR FINISH AND READY-MIXED PAINTS SOLD IN LIQUID FORM. REPUBLIC PAINT & VARNISH CO., Chicago, Ill.
Filed Nov. 17, 1947, Serial No. 541,451. Published June 7, 1949. Class 16.

516,422. UTILITY PAINT AND ASPHALT BASE ALUMINUM PAINT. REPUBLIC PAINT & VARNISH CO., Chicago, Ill.
Filed Nov. 17, 1947, Serial No. 541,453. Published June 7, 1949. Class 16.

516,423. FLOOR SURFACE COATING IN THE NATURE OF VARNISH AND WHICH MAY BE USED IN PLACE OF SHELLAC OR VARNISH, BOTH AS A FIRST COAT OR UNDERCOAT FINISH FOR VARNISH. REPUBLIC PAINT & VARNISH CO., Chicago, Ill.
Filed Nov. 17, 1947, Serial No. 541,460. Published June 7, 1949. Class 16.

516,424. MASTIC COMPOUND FOR USE AS A PUTTY SUBSTITUTE IN THE GLAZING OF WINDOWS. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Nov. 18, 1947, Serial No. 541,608. Published July 12, 1949. Class 12.

516,425. GASOLINE, LUBRICATING MOTOR OILS, GREASE COMPOUNDS FOR LUBRICATING PURPOSES, KEROSENE, TRACTOR FUEL OIL, DRIPLESS PENETRATING OIL, AND TOP CYLINDER LUBRICATING OIL. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.
Filed Nov. 24, 1947, Serial No. 542,161. Published July 12, 1949. Class 15.

516,426. MEN'S AND BOYS' HATS, COATS, SUITS, SLACKS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNDERWEAR, OUTERSHIRTS, UNDERSHIRTS, RAINCOATS, COLLARS, NECKTIES, AND SWEATERS. WOODROW STORES, INC., New York, N. Y.
Filed Nov. 28, 1947, Serial No. 542,709. Published June 21, 1949. Class 39.

516,427. MEN'S AND BOYS' HATS, COATS, ETC. WOODROW STORES, INC., New York, N. Y.
Filed Nov. 28, 1947, Serial No. 542,711. Published June 21, 1949. Class 39.

516,428. PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF SKIN DISEASES AND AILMENTS. FRANKLIN LABORATORIES, INC., Englewood, N. J.
Filed Nov. 29, 1947, Serial No. 542,757. Published June 28, 1949. Class 6.

516,429. NEWSPAPER COLUMN. MARIE THRAILKILL BROWN, Washington, D. C.
Filed Dec. 1, 1947, Serial No. 542,811. Published June 21, 1949. Class 38.

516,430. GASKETS FOR INTERNAL COMBUSTION ENGINES AND ASSOCIATED PARTS. DETROIT GASKET & MANUFACTURING COMPANY, Detroit, Mich.
Filed Aug. 11, 1947, Serial No. 542,992. Published June 21, 1949. Class 35.

516,431. FIRE BRICKS. STANDARD CLAY PRODUCTS COMPANY, INC., Philadelphia, Pa.
Filed Dec. 3, 1947, Serial No. 543,231. Published June 21, 1949. Class 12.

516,432. FIRE BRICKS. STANDARD CLAY PRODUCTS COMPANY, INC., Philadelphia, Pa.
Filed Dec. 3, 1947, Serial No. 543,233. Published June 21, 1949. Class 12.

516,433. COMBINATION CLEANING, POLISHING, AND WAXING PREPARATION FOR USE ON PAINT, METAL, WOOD, GLASS, CHROME, AND PLASTIC SURFACES. MALCOLM P. CHRISTENSON, doing business as Disney Products Co., Redondo Beach, Calif.
Filed Dec. 4, 1947, Serial No. 543,274. Published July 12, 1949. Class 16.

516,434. PERIODICAL PUBLICATIONS. JOHNSTON EXPORT PUBLISHING CO., New York, N. Y.
Filed Dec. 4, 1947, Serial No. 543,298. Published July 5, 1949. Class 38.

516,435. PERIODICAL PUBLICATIONS. JOHNSTON EXPORT PUBLISHING CO., New York, N. Y.
Filed Dec. 4, 1947, Serial No. 543,299. Published July 5, 1949. Class 38.

516,436. TRANSMISSION AND CONVEYOR BELTING. TON-TEX CORPORATION, Grand Rapids, Mich.
Filed Oct. 7, 1947, Serial No. 543,365. Published May 31, 1949. Class 35.

516,437. BOOTS, SHOES, JODHPURS, RIDING BOOTS, AND RACING BOOTS. ADOLPH M. KROOP, trading as A. M. Kroop & Sons, Laurel, Md.
Filed Dec. 8, 1947, Serial No. 543,722. Published June 28, 1949. Class 39.

516,438. MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS—NAMELY, SNOW SUITS, ETC. MINNESOTA WOOLEN COMPANY, Duluth, Minn.
Filed Dec. 8, 1947, Serial No. 543,729. Published June 21, 1949. Class 39.

516,439. WINDOW FRAMES, WINDOWS, AND PARTS THEREOF, AND TRIM FOR DOOR OPENINGS AND OTHER OPENINGS IN BUILDINGS REQUIRING TRIM. CURTIS COMPANIES INCORPORATED, Clinton, Iowa.
Filed Dec. 9, 1947, Serial No. 543,797. Published June 21, 1949. Class 12.

516,440. MEN'S AND LADIES' HOSIERY. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C.
Filed Dec. 10, 1947, Serial No. 543,928. Published June 21, 1949. Class 39.

516,441. SHIRTS FOR MEN, WOMEN, AND CHILDREN. CREIGHTON SHIRT COMPANY, INC., New Haven, Conn.
Filed Dec. 11, 1947, Serial No. 544,058. Published June 21, 1949. Class 39.

516,442. MEN'S SUITS—NAMELY, COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed Dec. 11, 1947, Serial No. 544,092. Published June 21, 1949. Class 39.

516,443. READY MIXED OIL PAINTS, VARNISHES, VARNISH STAINS, OIL STAINS, PAINT ENAMELS, AND WALL FINISHES FOR INTERIORS. VANE-CALVERT PAINT COMPANY, St. Louis, Mo.
Filed Dec. 11, 1947, Serial No. 544,132. Published June 7, 1949. Class 16.

516,444. LIQUID PAINT ENAMELS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed Dec. 13, 1947, Serial No. 544,281. Published June 7, 1949. Class 16.

516,445. NECKTIES. BEN PULITZER, New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,282. Published June 21, 1949. Class 39.

516,446. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,292. Published June 21, 1949. Class 39.

516,447. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,295. Published June 21, 1949. Class 39.

516,448. HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,297. Published June 21, 1949. Class 39.

516,449. NEWSPAPERS. KNOXVILLE PUBLISHING COMPANY, Knoxville, Tenn.
Filed Dec. 16, 1947, Serial No. 544,453. Published June 14, 1949. Class 38.

516,450. COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS. FASHION PARK, INC., Rochester, N. Y.
Filed Dec. 17, 1947, Serial No. 544,561. Published June 28, 1949. Class 39.

516,451. MEDICATED LAXATIVE CHEWING GUM. MORTON MANUFACTURING CORPORATION, doing business as Blair of Virginia, Lynchburg, Va.
Filed Dec. 18, 1947, Serial No. 544,750. Published July 5, 1949. Class 6.

516,452. SHOES OF LEATHER AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. ALLEN EDMONDS SHOE CORPORATION, Belgium, Wis.
Filed Dec. 24, 1947, Serial No. 545,358. Published June 28, 1949. Class 39.

516,453. MECHANICALLY GROOVED PHONOGRAPH RECORDS. DECCA RECORDS, INC., New York, N. Y., assignor to The Decca Record Company Limited, London, England.
Filed Dec. 26, 1947, Serial No. 545,457. Published Mar. 15, 1949. Class 36.

516,454. LOW FREEZING POINT LIQUID FOR USE IN PLANT EQUIPMENT ADAPTED TO BE MIXED WITH WATER TO LOWER THE FREEZING POINT OF THE MIXTURE. NIAGARA BLOWER COMPANY, Buffalo, N. Y.
Filed Dec. 26, 1947, Serial No. 545,519. Published July 12, 1949. Class 6.

516,455. MOTOR OILS AND SEPARATOR OILS. WYETH COMPANY, St. Joseph, Mo.
Filed Dec. 26, 1947, Serial No. 545,572. Published July 12, 1949. Class 15.

516,456. OUTER SHIRTS FOR MEN AND BOYS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,711. Published July 5, 1949. Class 39.

516,457. ASPHALT INSULATED PANELS WHICH ARE ADAPTED FOR APPLICATION TO THE EXTERIORS OF BUILDINGS AS SIDING AND HAVE CONFIGURED OUTER SURFACES. CENTRAL DIVISION COMPANY, Chicago, Ill.
Filed Jan. 3, 1948, Serial No. 546,089. Published June 28, 1949. Class 12.

516,458. OUTER SHIRTS, PANTS, AND PLAYSUITS. FOR BOYS. THE BUCKEYE OVERALL COMPANY, Versailles, Ohio.
Filed Jan. 5, 1948, Serial No. 546,185. Published July 5, 1949. Class 39.

516,459. HOSIERY. THE MAYER CO., INC., New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,307. Published June 21, 1949. Class 39.

516,460. COPPER SHEATHED COOKING POTS AND PANS. CROWN JEWEL WARE, INC., Chicago, Ill.
Filed Jan. 7, 1948, Serial No. 546,373. Published July 5, 1949. Class 13.

516,461. WOMEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Jan. 9, 1948, Serial No. 546,545. Published June 21, 1949. Class 39.

516,462. MECHANICALLY GROOVED PHONOGRAPH RECORDS. MODERN MELODIES, INC., Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,720. Published May 31, 1949. Class 36.

516,463. INFANTS', GIRLS', AND LADIES' COATS, MADE IN SUBSTANTIAL PART OF WOOL. YOUNG CLASSICS, INC., New York, N. Y.
Filed Jan. 14, 1948, Serial No. 547,092. Published June 28, 1949. Class 39.

516,464. FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES; AND FOR FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, MADE PARTLY OF RUBBER. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Jan. 16, 1948, Serial No. 547,215. Published May 17, 1949. Class 35.

516,465. COMPOSITION FRICTIONAL ELEMENTS FOR BRAKES. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Jan. 16, 1948, Serial No. 547,218. Published May 10, 1949. Class 35.

516,466. COMPOSITION FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Jan. 16, 1948, Serial No. 547,220. Published May 10, 1949. Class 35.

516,467. HANDKERCHIEFS. R. W. ELDRIDGE CO., INC., Charlotte, N. C.
Filed Jan. 16, 1948, Serial No. 547,248. Published July 5, 1949. Class 39.

516,468. CLEANING MATERIALS FOR FABRICS AND LEATHER; SHOE POLISHES; SHOE BLACKING, ETC. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,334. Published July 12, 1949. Class 4.

516,469. PREPARATION IN LIQUID, CREAM, AND PASTE FORM FOR CLEANING AND POLISHING SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,336. Published July 12, 1949. Class 4.

516,470. PREPARATION IN LIQUID CREAM, AND PASTE FORM FOR CLEANING AND POLISHING SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,337. Published July 5, 1949. Class 4.

516,471. DRY CLEANING PREPARATION FOR FABRICS, LEATHER GOODS, AND SIMILAR ITEMS. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,339. Published July 12, 1949. Class 4.

516,472. BOLTS, NUTS, SCREWS, RIVETS, AND COTTER PINS. THE LAMSON & SESSIONS COMPANY, Cleveland, Ohio.
Filed Jan. 17, 1948, Serial No. 547,353. Published July 12, 1949. Class 13.

516,473. SUITS, PANTS, JACKETS, RIDING BREECHES, AND JODHPURS FOR MEN, BOYS, LADIES, AND GIRLS. I. C. ISAACS & CO. INC., Baltimore, Md.
Filed Jan. 19, 1948, Serial No. 547,458. Published June 21, 1949. Class 39.

516,474. LIQUID PREPARATION FOR REFINISHING AND POLISHING LEATHER SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 21, 1948, Serial No. 547,628. Published July 12, 1949. Class 4.

516,475. TONIC PREPARATION TAKEN INTERNALLY. JOSEPH E. MAUPIN, doing business as the Maup Drug Company, Ashland, Ky.
Filed Jan. 22, 1948, Serial No. 547,743. Published July 5, 1949. Class 6.

516,476. APPAREL BELTS. S. & L. BELT CO., INC., New York, N. Y.
Filed Jan. 27, 1948, Serial No. 548,103. Published June 21, 1949. Class 39.

516,477. REFINED MACHINE OIL. DEMBERT & DOUGHERTY, INC., Chicago, Ill.
Filed Jan. 29, 1948, Serial No. 548,242. Published July 12, 1949. Class 15.

516,478. MEN'S AND WOMEN'S GARTERS, HOSE SUPPORTERS, AND ARM BANDS. THE A. J. DONAHUE CORPORATION, Milford, Conn.
Filed Jan. 29, 1948, Serial No. 548,244. Published June 21, 1949. Class 39.

516,479. COWBOY BOOTS. JOHN A. FRYE SHOE COMPANY, Marlboro, Mass.
Filed Feb. 4, 1948, Serial No. 548,742. Published June 21, 1949. Class 39.

516,480. MEN'S HANDKERCHIEFS, NECKTIES, FELT HATS, SHOES MADE OF LEATHER, RUBBER, AND/OR FABRICS, OUTER SUITS AND OVERCOATS, AND MEN'S AND BOYS' OUTER SHIRTS AND SLEEPING PAJAMAS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Feb. 4, 1948, Serial No. 548,749. Published July 5, 1949. Class 39.

516,481. HATS, CAPS, AND HELMETS FOR MEN, WOMEN, AND CHILDREN. CHRISTY & COMPANY, LIMITED, London, England.
Filed Feb. 6, 1948, Serial No. 548,928. Published June 28, 1949. Class 39.

516,482. CONCRETE PRODUCTS—NAMELY, PLAIN AND REINFORCED CONCRETE PIPE, CONCRETE PIPE FITTINGS—NAMELY, Y's AND T's—DRAIN TILE, MASONRY BUILDING BLOCKS. CONCRETE PIPE & PRODUCTS CO. INC., Richmond, Va.
Filed Feb. 6, 1948, Serial No. 548,932. Published June 21, 1949. Class 12.

516,483. SHOES. MIDDLETOWN FOOTWEAR, INC., Middletown, N. Y.
Filed Feb. 6, 1948, Serial No. 548,980. Published June 21, 1949. Class 39.

516,484. LEATHER SHOES. JOSEPH COHN & SON, New York, N. Y.
Filed Feb. 9, 1948, Serial No. 549,121. Published July 5, 1949. Class 39.

516,485. MEDICINE FOR FEVER, COLDS, MALARIA, AND CONSTIPATION. HARRY JACOB GORDON, Chattanooga, Tenn.
Filed Feb. 9, 1948, Serial No. 549,146. Published July 5, 1949. Class 6.

516,486. CLOTHING FOR MEN, STUDENTS, AND BOYS—NAMELY, SUITS, COATS, PANTS, AND VESTS. A. SOLOMON, New Orleans, La.
Filed Feb. 9, 1948, Serial No. 549,184. Published June 21, 1949. Class 39.

516,487. CERAMIC PRODUCTS—NAMELY, BRICK AND TILE. THE CLAYCRAFT COMPANY, Columbus, Ohio.
Filed Feb. 10, 1948, Serial No. 549,231. Published June 21, 1949. Class 12.

516,488. FICTIONAL AND NON-FICTIONAL BOOKS. BOOK-OF-THE-MONTH CLUB, INC., New York, N. Y.
Filed Feb. 11, 1948, Serial No. 549,415. Published July 5, 1949. Class 38.

516,489. ASPHALT ADHESIVE CEMENT FOR ASPHALT AND MASTIC TILE. LEWIS ASPHALT ENGINEERING CORPORATION, New York, N. Y.
Filed Feb. 11, 1948, Serial No. 549,453. Published May 17, 1949. Class 12.

516,490. RUBBER BUSHINGS, HOSE, GASKETS, AND FIBER OR RUBBER WASHERS FOR AUTOMOTIVE PRODUCTS. THE DOAN MANUFACTURING CORPORATION, Cleveland, Ohio.
Filed Feb. 12, 1948, Serial No. 549,522. Published June 21, 1949. Class 35.

516,491. FLEXIBLE DRIVE BELTS FOR GROOVED PULLEYS. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa.
Filed Feb. 13, 1948, Serial No. 549,602. Published June 14, 1949. Class 35.

516,492. SURFACE-ACTIVE CHEMICAL COMPOSITIONS FOR INCREASING THE PENETRATING, SURFACE SPREADING, AND EMULSIFYING PROPERTIES OF WATER AND FOR USE IN APPLICATIONS SUCH AS FIRE EXTINGUISHMENT AND ROCK-DUST AND COAL-DUST LAYING. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed Feb. 13, 1948, Serial No. 549,615. Published June 28, 1949. Class 6.

516,493. PAMPHLETS—TO WIT, TECHNICAL DATA PUBLICATIONS. WALTER J. STAMPFL, Jamaica, N. Y.
Filed Feb. 17, 1948, Serial No. 549,983. Published June 21, 1949. Class 38.

516,494. ALUMINUM LADDERS. RACE & RACE, INC., Winter Haven, Fla.
Filed Feb. 18, 1948, Serial No. 550,072. Published June 21, 1949. Class 50.

516,495. MEN'S AND YOUNG MEN'S LEATHER SHOES. A. E. NETTLETON COMPANY, Syracuse, N. Y.
Filed Feb. 21, 1948, Serial No. 550,334. Published July 5, 1949. Class 39.

516,496. PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed Feb. 24, 1948, Serial No. 550,384. Published May 24, 1949. Class 6.

516,497. WOMEN'S AND MISSES' DRESSES AND BLOUSES. JOAN KENLEY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,517. Published June 28, 1949. Class 39.

516,498. WOMEN'S AND MISSES' BLOUSES AND DRESSES. JOAN KENLEY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,523. Published June 28, 1949. Class 39.

516,499. SEWING MACHINE BELTS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 26, 1948, Serial No. 550,619. Published May 10, 1949. Class 35.

516,500. FLUSHING OIL, ROAD OIL, LUBRICATING OIL, AND GREASES. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed Feb. 28, 1948, Serial No. 550,839. Published July 12, 1949. Class 15.

516,501. CHEMICAL COMPOSITIONS FOR IMPREGNATING AND PRESERVING WOOD; AND DENATURED ALCOHOL. THE PARAFFINE COMPANIES, INC., San Francisco, Calif.
Filed Mar. 1, 1948, Serial No. 550,933. Published July 5, 1949. Class 6.

516,502. BABY DIAPER COVERS OF PLASTIC MATERIAL. DRYFOLD MFG. CO., Caldwell, Ohio.
Filed Mar. 3, 1948, Serial No. 551,093. Published July 5, 1949. Class 39.

516,503. RUBBER MATS. SUE MAE ALLWELL, doing business as Ease-All Rubber Products, East Orange, N. J.
Filed Mar. 9, 1948, Serial No. 551,507. Published June 21, 1949. Class 50.

516,504. FLEXIBLE METAL TUBING AND CONDUIT, USED AS A HOSE FOR CONFINING AND CONVEYING LIQUIDS, GASES, AND SOLIDS ENTRAINED IN LIQUIDS IN THE FORM OF A SUSPENSION OR AS DRY POWDER OR GRANULES CAPABLE OF FLOW SIMULATING LIQUID FLOW. CO-OPERATIVE INDUSTRIES, INC., Chester, N. J.
Filed Mar. 11, 1948, Serial No. 551,692. Published May 24, 1949. Class 35.

516,505. WOMEN'S HOSIERY. NU-MAID HOSIERY MILLS, INC., Darby, Pa.
Filed Mar. 11, 1948, Serial No. 551,727. Published July 5, 1949. Class 39.

516,506. MEN'S HOSIERY. FULL-KNIT HOSIERY MILLS, INC., Burlington, N. C.
Filed Mar. 12, 1948, Serial No. 551,790. Published June 21, 1949. Class 39.

516,507. BOYS' SUITS AND OVERCOATS. BEN WIENER AND BRO., New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,926. Published June 28, 1949. Class 39.

516,508. BOYS' AND MEN'S COATS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS. BEN WIENER AND BRO., New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,928. Published June 28, 1949. Class 39.

516,509. PEAT MOSS. HERBERT VICTOR NOOTBAAR, doing business as H. V. Nootbaar & Co., Pasadena, Calif.
Filed Mar. 15, 1948, Serial No. 551,998. Published July 5, 1949. Class 1.

516,510. CHILDREN'S COATS AND SNOW SUITS MADE OF WOOL, COTTON, RAYON, LINEN, SYNTHETIC FIBRES, PROTEIN FIBRES, AND COMBINATIONS THEREOF. STERN & HERFF CORP., New York, N. Y.
Filed Mar. 15, 1948, Serial No. 552,016. Published July 5, 1949. Class 39.

516,511. ANGLE PIPE COUPLINGS AND ANGLE, PLUG-TYPE VALVES PRIMARILY FOR USE WITH WATER METERS. THE FORD METER BOX COMPANY, INC., Wabash, Ind.
Filed Mar. 17, 1948, Serial No. 552,139. Published July 12, 1949. Class 13.

516,512. GLASS TABLEWARE — NAMELY, CUPS, SAUCERS, SANDWICH PLATES, SALAD PLATES, DRINKING GLASSES, AND WATER PITCHERS. NEWLAND, SCHNEEBLOCH & PIEK, INC., New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,160. Published July 5, 1949. Class 33.

516,513. BOYS' AND GIRLS' PAJAMAS AND NIGHT GOWNS. SUPERIOR TOGS CORP., New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,179. Published July 5, 1949. Class 39.

516,514. GENERAL ANALGESIC. ENDO PRODUCTS INC., Richmond Hill, N. Y.
Filed Mar. 18, 1948, Serial No. 552,236. Published July 12, 1949. Class 6.

516,515. KNITTED SWEATERS AND JACKETS. GLENELL SPORTSWEAR CO., New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,240. Published July 5, 1949. Class 39.

516,516. REFRACTORY BRICKS, REFRACTORY PLASTICS, AND REFRACTORY CEMENTS. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947, Serial No. 552,804. Published May 17, 1949. Class 12.

516,517. LEATHER. EASTMOR LEATHER CO., INC., Gloversville, N. Y.
Filed Mar. 19, 1948, Serial No. 552,442. Published July 5, 1949. Class 1.

516,518. WOMEN'S SUITS. KNOBBY COAT CO., INC., New York, N. Y.
Filed Mar. 19, 1948, Serial No. 552,464. Published June 21, 1949. Class 39.

516,519. LEATHER. R. & A. KOHNSTAMM (LONDON) INC., New York, N. Y.
Filed Mar. 19, 1948, Serial No. 552,465. Published July 5, 1949. Class 1.

516,520. WELDING HOSE. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 19, 1948, Serial No. 552,481. Published May 24, 1949. Class 35.

516,521. LEATHER TAPE AND STRIPPING. DAVID UNGAR CORP., New York, N. Y.
Filed Mar. 19, 1948, Serial No. 552,519. Published July 5, 1949. Class 1.

516,522. MEN'S AND BOYS' WOOLEN AND COTTON COATS AND JACKETS. CAPE ANN MANUFACTURING CO., Gloucester, Mass.
Filed Mar. 23, 1948, Serial No. 552,744. Published June 28, 1949. Class 39.

516,523. WASTE PAPER, OLD NEWSPAPERS, AND OVER-ISSUE NEWSPAPERS PUT UP IN BALES. THOMAS HOWARD DOOLAN, INC., New York, N. Y.
Filed Mar. 23, 1948, Serial No. 552,755. Published July 5, 1949. Class 1.

516,524. ANTIBACTERIAL PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Mar. 23, 1948, Serial No. 552,813. Published June 28, 1949. Class 6.

516,525. GASKETS AND PARTS THEREFOR—NAMELY, SOFT METALLIC AND NONMETALLIC SEALING MEMBERS, ETC. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill.
Filed Mar. 24, 1948, Serial No. 552,905. Published May 24, 1949. Class 35.

516,526. CHILDREN'S PLAYSUITS—NAMELY, BASEBALL UNIFORMS, STOCKINGS, AND CAPS THEREFOR. COLLEGEVILLE FLAG AND MANUFACTURING COMPANY, Collegeville, Pa.
Filed Mar. 25, 1948, Serial No. 552,948. Published June 28, 1949. Class 39.

516,527. MIXTURE OF PETROLEUM WAX AND RESIN, SOLD AS A RAW MATERIAL AND HAVING A GENERAL USE IN INDUSTRY. INDUSTRIAL RAW MATERIALS CORP., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,976. Published July 5, 1949. Class 1.

516,528. PETROLEUM WAX SOLD AS A RAW MATERIAL AND HAVING A GENERAL USE IN INDUSTRY. INDUSTRIAL RAW MATERIALS CORP., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,977. Published July 5, 1949. Class 1.

516,529. PETROLEUM WAX SOLD AS A RAW MATERIAL AND HAVING A GENERAL USE IN INDUSTRY. INDUSTRIAL RAW MATERIALS CORP., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,978. Published July 5, 1949. Class 1.

516,530. MIXTURE OF PETROLEUM WAX AND RESIN, SOLD AS A RAW MATERIAL AND HAVING A GENERAL USE IN INDUSTRY. INDUSTRIAL RAW MATERIALS CORP., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,980. Published July 5, 1949. Class 1.

516,531. HIGH TEMPERATURE THERMOPLASTIC FORMED AS A SOLID CORE AND AS GRANULES OF MOLDING POWDER TO BE USED IN THE FABRICATION OF MOLDED, COATED, OR LINED ARTICLES. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,983. Published July 5, 1949. Class 1.

516,532. MARINE PAINTS. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,043. Published July 12, 1949. Class 16.

516,533. READY-MIXED PAINTS AND PAINT THINNER, ETC. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,044. Published June 7, 1949. Class 16.

516,534. SHAMPOO BOARDS. BASELON MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed Mar. 26, 1948, Serial No. 553,064. Published July 12, 1949. Class 13.

516,535. INFANTS' MOCCASIN SHOES. BERKSHIRE FOOTWEAR CORPORATION, INC., Holliston, Mass.
Filed Mar. 26, 1948, Serial No. 553,066. Published June 28, 1949. Class 39.

516,536. PIANOS. WINTER & COMPANY, INC., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,160. Published July 5, 1949. Class 36.

516,537. MANNEQUINS. L. A. DARLING COMPANY, Bronson, Mich.
Filed Mar. 27, 1948, Serial No. 553,184. Published July 5, 1949. Class 50.

516,538. CHILDREN'S MANNEQUINS. L. A. DARLING COMPANY, Bronson, Mich.
Filed Mar. 27, 1948, Serial No. 553,185. Published July 5, 1949. Class 50.

516,539. APPAREL DISPLAY FORMS. L. A. DARLING COMPANY, Bronson, Mich.
Filed Mar. 27, 1948, Serial No. 553,186. Published July 5, 1949. Class 50.

516,540. CHILDREN'S MANNEQUINS. L. A. DARLING COMPANY, Bronson, Mich.
Filed Mar. 27, 1948, Serial No. 553,187. Published July 5, 1949. Class 50.

516,541. RESIN. HERCULES POWDER COMPANY, Wilmington, Del.
Filed Mar. 27, 1948, Serial No. 553,197. Published July 5, 1949. Class 1.

516,542. REED MOUTHPIECES. HARRY E. O'BRIEN, Indianapolis, Ind.
Filed Mar. 30, 1948, Serial No. 553,391. Published June 7, 1949. Class 36.

516,543. MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOP COATS. THE MIDDISHADE COMPANY, INC., Philadelphia, Pa.
Filed Mar. 31, 1948, Serial No. 553,501. Published July 5, 1949. Class 39.

516,544. TEXTILE DIAPERS. JONESVILLE PRODUCTS CORPORATION, Jonesville, S. C.
Filed Apr. 5, 1948, Serial No. 553,864. Published July 5, 1949. Class 39.

516,545. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES COMPRISING ANTIBIOTICS PRODUCED FROM SOIL MICRO-ORGANISMS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Apr. 5, 1948, Serial No. 553,928. Published July 12, 1949. Class 6.

516,546. WOMEN'S, MISSES', AND GIRLS' DRESSES AND BLOUSES. A. DE PINNA CO., INC., New York, N. Y.
Filed Apr. 7, 1948, Serial No. 554,015. Published June 21, 1949. Class 39.

516,547. ANTACID PREPARATION FOR USE IN TREATMENT OF HYPERACIDITY OF THE STOMACH. STANDARD LABORATORIES, INC., New York, N. Y.
Filed Apr. 8, 1948, Serial No. 554,168. Published June 28, 1949. Class 6.

516,548. PISTON RINGS, INNER RINGS FOR PISTON RINGS. RAMSEY CORPORATION, Dover, Del., and St. Louis, Mo.
Filed Apr. 12, 1948, Serial No. 554,412. Published June 21, 1949. Class 35.

516,549. LUBRICANT FOR VALVES. AMERICAN CAR AND FOUNDRY COMPANY, New York, N. Y.
Filed Apr. 17, 1948, Serial No. 554,846. Published July 12, 1949. Class 15.

516,550. STEAM BOILER FITTINGS AND FURNISHINGS, COMPRISING A LIQUID LEVEL ALARM DEVICE TO INDICATE LOW OR HIGH LIQUID LEVELS IN BOILER DRUMS OR OTHER VESSELS. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed Apr. 19, 1948, Serial No. 555,017. Published June 28, 1949. Class 13.

516,551. TRADE PUBLICATIONS. MYER HALPER, doing business as Halper Publishing Co., Chicago, Ill.
Filed Apr. 21, 1948, Serial No. 555,176. Published June 28, 1949. Class 38.

516,552. FOUR-IN-HAND NECKTIES AND BOW-TIES FOR MEN, YOUNG MEN, AND BOYS. RICKY TIES, INC., Washington, D. C.
Filed Apr. 21, 1948, Serial No. 555,200. Published July 5, 1949. Class 39.

516,553. HYDRAULIC PACKING SEALS FOR RODS, PISTONS, AND THE LIKE. HYDRAULIC ACCESSORIES COMPANY, Detroit, Mich.
Filed Apr. 23, 1948, Serial No. 555,413. Published June 7, 1949. Class 35.

516,554. RIVETS. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Apr. 24, 1948, Serial No. 555,562. Published June 28, 1949. Class 13.

516,555. GLOVES MADE OF A COMBINATION OF LEATHER AND FABRIC. HANOVER GLOVE CO., Hanover, Pa.
Filed Apr. 26, 1948, Serial No. 555,602. Published June 21, 1949. Class 39.

516,556. DRESSES. ALBERT R. PEREZ, doing business as A. R. Perez Manufacturing Company, San Antonio, Tex.
Filed Apr. 27, 1948, Serial No. 555,691. Published June 28, 1949. Class 39.

516,557. MEN'S PAJAMAS, SHORTS AND UNDERWEAR; LADIES' SLIPS, BEDJACKETS, GOWNS, AND UNDERWEAR; AND CHILDREN'S PAJAMAS AND UNDERWEAR. UNITED MILLS CORPORATION, Mount Gilead, N. C.
Filed Apr. 27, 1948, Serial No. 555,710. Published June 14, 1949. Class 39.

516,558. DOORS, WALL AND CEILING PANELING. SUTTON MANUFACTURERS, INC., Miami, Fla.
Filed Apr. 29, 1948, Serial No. 555,848. Published May 17, 1949. Class 12.

516,559. SYNTHETIC DETERGENT FOR USE IN DRY CLEANING. E. F. DREW & CO., INC., New York, N. Y.
Filed May 1, 1948, Serial No. 555,999. Published July 5, 1949. Class 4.

516,560. INSULATING WOOL. ARNOLD D. HOSLER, Quincy, Mich.
Filed May 1, 1948, Serial No. 556,013. Published May 17, 1949. Class 12.

516,561. MEN'S, WOMEN'S, AND CHILDREN'S OVERALLS AND JACKETS. LEVI STRAUSS & COMPANY, San Francisco, Calif.
Filed May 3, 1948, Serial No. 556,108. Published July 5, 1949. Class 39.

516,562. OINTMENT. BERNARD LOGSDON, Killbuck, Ohio.
Filed May 3, 1948, Serial No. 556,109. Published May 17, 1949. Class 6.

516,563. MOTOR OIL. SEASIDE OIL COMPANY, Santa Barbara, Calif.
Filed May 3, 1948, Serial No. 556,135. Published July 5, 1949. Class 15.

516,564. BOW TIES. SOL SHERMAN, doing business as Sherman Bows, New York, N. Y.
Filed May 3, 1948, Serial No. 556,146. Published July 5, 1949. Class 39.

516,565. COOKING UTENSILS—NAMELY, PERCOLATOR, TEA KETTLE, MIXING BOWL, VAPOR COOKER DOUBLE BOILER, VAPOR COOKER DUTCH OVEN, VAPOR COOKER COVERED POT, AND VAPOR COOKER COVERED PAN. FEDERAL ENAMELING AND STAMPING COMPANY, McKees Rocks, Pa.
Filed May 5, 1948, Serial No. 556,256. Published July 12, 1949. Class 13.

516,566. MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE. BOB SAFFER, doing business as Tru-Blue Record Co., New York, N. Y.
Filed May 6, 1948, Serial No. 556,375. Published June 14, 1949. Class 36.

516,567. PERLITE IN THE FORM OF AN INSULATION MATERIAL, AS A PLASTER AGGREGATE, A CONCRETE AGGREGATE AND AGGREGATES GENERALLY. COMBINED METALS REDUCTION COMPANY, Salt Lake City, Utah.
Filed May 7, 1948, Serial No. 556,422. Published July 5, 1949. Class 12.

516,568. HATS AND UNIFORM CAPS. LEE UNIFORM CAP MANUFACTURING COMPANY, Baltimore, Md.
Filed May 7, 1948, Serial No. 556,455. Published July 5, 1949. Class 39.

516,569. CATALOG FOR STOCK LISTINGS AND SUPPLEMENTS THEREFOR, ISSUED FROM TIME TO TIME. B. E. COWAN AND ASSOCIATES, Elizabethtown, Ky.
Filed May 14, 1948, Serial No. 557,024. Published July 5, 1949. Class 38.

516,570. COATING COMPOSITION COMPRISING THE COMBINATION OF A VOLATILE ORGANIC SOLVENT AND A HIGH MOLECULAR WEIGHT MATERIAL SUITABLE FOR IMPROVING THE SURFACE OF A FOOD CONTAINER BY MAKING THAT CONTAINER LESS SUSCEPTIBLE TO THE STICKING OF FOOD. PROCESSED SURFACES, INC., New York, N. Y.
Filed May 14, 1948, Serial No. 557,064. Published July 12, 1949. Class 6.

516,571. MEDICINAL WINE TONIC. LUCILA SALAZAR, doing business as Hidalgo Pharmacy, Los Angeles, Calif.
Filed May 15, 1948, Serial No. 557,157. Published July 12, 1949. Class 6.

516,572. SOAPS, SCOURING POWDERS, AND SOAP FOR USE IN CLEANSING TOILET BOWLS, URINALS, AND BATHROOM FIXTURES. CALAR CHEMICAL COMPANY, Pasadena, Calif.
Filed May 17, 1948, Serial No. 557,176. Published July 5, 1949. Class 4.

516,573. INSULATED CONCRETE BUILDING BLOCK. HAROLD R. TREGILGAS, South St. Paul, Minn.
Filed May 17, 1948, Serial No. 557,228. Published June 21, 1949. Class 12.

516,574. SEDATIVE, ANESTHETIC, AND SLEEP-PRODUCING PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 18, 1948, Serial No. 557,233. Published June 21, 1949. Class 6.

516,575. WORK GLOVES OF FABRIC. WELLS LAMONT CORPORATION, Chicago, Ill.
Filed May 21, 1948, Serial No. 557,570. Published June 21, 1949. Class 39.

516,576. MEDICINE FOR TREATMENT OF VENEREAL DISEASES. ENDO PRODUCTS, INC., Richmond Hill, N. Y.
Filed June 3, 1948, Serial No. 558,378. Published June 28, 1949. Class 6.

516,577. MEDICINE USED FOR MUSCULAR RELAXATION. ENDO PRODUCTS INC., Richmond Hill, N. Y.
Filed June 3, 1948, Serial No. 558,379. Published June 28, 1949. Class 6.

516,578. COMIC MAGAZINES, CONSISTING OF CARTOONS, COMIC AND CARTOON STRIPS, PUZZLES, GAMES, TRICKS OF MAGIC, STORIES, LESSONS, ADVERTISEMENTS, ETC., PUBLISHED PERIODICALLY. FAMOUS FUNNIES, INC., Waterbury, Conn.
Filed June 3, 1948, Serial No. 558,384. Published June 21, 1949. Class 38.

516,579. ANTACID. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 4, 1948, Serial No. 558,520. Published June 28, 1949. Class 6.

516,580. BRONCHIAL MEDICAMENT HAVING SEDATIVE, ANALGESIC PROPERTIES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 4, 1948, Serial No. 558,521. Published June 28, 1949. Class 6.

516,581. PREPARATORY SHAVING CREAM. ARCHIE GALANTER, Brooklyn, N. Y.
Filed June 7, 1948, Serial No. 558,646. Published July 5, 1949. Class 4.

516,582. MEDICAL PREPARATION USED AS AN ANTISPASMODIC AND SEDATIVE. E. BILHUBER, INC., Orange, N. J.
Filed June 9, 1948, Serial No. 558,776. Published July 26, 1949. Class 6.

516,583. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed June 9, 1948, Serial No. 558,822. Published July 12, 1949. Class 15.

516,584. CLEANING AND SCOURING PREPARATION FOR HOUSEHOLD USE AND FOR CLEANING, SCOURING, AND POLISHING METAL, GLASS, WOODWORK, MACHINERY, ETC. FITZPATRICK BROS., INC., Chicago, Ill.
Filed June 10, 1948, Serial No. 558,880. Published July 5, 1949. Class 4.

516,585. LADIES' AND CHILDREN'S FABRIC GLOVES. MANNE & WEILL, INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,905. Published June 21, 1949. Class 39.

516,586. HERBAL LUNG TONIC. GERMAINE A. DESAULNIERS, Niagara Falls, N. Y.
Filed June 11, 1948, Serial No. 559,009. Published June 28, 1949. Class 6.

516,587. REFRACTORY BRICK. TOMKINS BROTHERS, Newark, N. J.
Filed June 11, 1948, Serial No. 559,070. Published July 12, 1949. Class 12.

516,588. ANTISEPTIC SOLUTION. ROCHE-ORGANON INC., Nutley, N. J., now by change of name Organon Inc., a corporation of New Jersey.
Filed June 12, 1948, Serial No. 559,120. Published June 28, 1949. Class 6.

516,589. SKIN CREAMS, ANTISEPTIC CREAMS, AND OINTMENTS. DAN HEALTH LABORATORIES, LIMITED, London, England.
Filed June 14, 1948, Serial No. 559,139. Published June 21, 1949. Class 6.

516,590. IRON CAPSULES. NUTREN PRODUCTS, LIMITED, Windsor, Ontario, Canada.
Filed June 15, 1948, Serial No. 559,237. Published June 28, 1949. Class 6.

516,591. SOAPS AND DRY CLEANSING FLUIDS. H. E. SHAW COMPANY, Worcester, Mass.
Filed May 12, 1948, Serial No. 559,456. Published July 5, 1949. Class 4.

516,592. TICK REPELLENT LOTION FOR HORSES AND DOGS. INNOVENTIONS, INC., Paoli, Pa.
Filed June 17, 1948, Serial No. 559,514. Published June 21, 1949. Class 6.

516,593. PREPARATION FOR CLEANING TOILET BOWLS. WILLIAM HARRY DELYN HORNADAY, JR., Los Angeles, Calif.
Filed June 19, 1948, Serial No. 559,708. Published July 5, 1949. Class 4.

516,594. SHAMPOO. THE TONI COMPANY, St. Paul, Minn.
Filed May 7, 1948, Serial No. 559,982. Published July 12, 1949. Class 4.

516,595. INSECTICIDE IN LIQUID FORM. THE DE PREE COMPANY, Holland, Mich.
Filed June 29, 1948, Serial No. 560,386. Published June 28, 1949. Class 6.

516,596. LADIES' AND MISSES' SWEATERS, BLOUSES, OUTER SPORT SHIRTS, PANTIES, AND BLOOMERS. CARL GUTMANN & CO., INC., New York, N. Y.
Filed June 30, 1948, Serial No. 560,464. Published June 14, 1949. Class 39.

516,597. ANTISEPTIC. LABORATOIRE VINCENT LABORATORY INC., Montreal, Quebec, Canada.
Filed July 6, 1948, Serial No. 560,764. Published June 28, 1949. Class 6.

516,598. MAGAZINE PUBLISHED PERIODICALLY. MICHIGAN LITHOGRAPHING COMPANY, Grand Rapids, Mich.
Filed July 8, 1948, Serial No. 560,911. Published July 5, 1949. Class 38.

516,599. LOTION FOR REVITALIZING HUMAN HAIR AND ADDING RESILIENCY THERETO. GENII INCORPORATED, St. Paul, Minn.
Filed July 9, 1948, Serial No. 561,000. Published July 5, 1949. Class 6.

516,600. HAIR TONIC. THE PHARMA-CRAFT CORPORATION, New York, N. Y.
Filed July 10, 1948, Serial No. 561,140. Published July 5, 1949. Class 6.

516,601. FLAT BIBB, BEVELED BIBB, SYPHON, TANK, AND SPUD WASHERS MADE OF NON-METALLIC AND/OR A COMBINATION OF METALLIC AND NON-METALLIC MATERIALS; BATH, SINK, AND BASIN GASKETS. THE H. O. CANFIELD CO., Bridgeport, Conn.
Filed July 13, 1948, Serial No. 561,226. Published May 10, 1949. Class 35.

516,602. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed July 14, 1948, Serial No. 561,293. Published June 7, 1949. Class 38.

516,603. PERIODICAL PUBLICATION—NAMELY, A HOUSE ORGAN. MENLEY & JAMES, LIMITED, New York, N. Y.
Filed July 14, 1948, Serial No. 561,324. Published July 5, 1949. Class 38.

516,604. MAGAZINE ARTICLES PUBLISHED FROM TIME TO TIME, AND SYNDICATED ARTICLES IN THEATRE PROGRAMS, HOTEL GUIDES, AND BUS GUIDES. NELL VINICK, New York, N. Y.
Filed July 16, 1948, Serial No. 561,600. Published July 5, 1949. Class 38.

516,605. FOUNDATION GARMENTS. CHARMFIT OF HOLLYWOOD, INC., Los Angeles, Calif.
Filed July 23, 1948, Serial No. 562,029. Published June 21, 1949. Class 39.

516,606. SOAP; GENERAL CLEANSER FOR USE ON TILE, MARBLE, BRASS, COPPER, WINDOWS, FLOORS, AND OTHER SURFACES. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Aug. 4, 1948, Serial No. 562,767. Published July 5, 1949. Class 4.

516,607. PNEUMATIC TIRES. THE GATES RUBBER COMPANY, Denver, Colo.
Filed Aug. 4, 1948, Serial No. 562,775. Published June 28, 1949. Class 35.

516,608. PISTON RINGS. KOPPERS COMPANY, INC., Baltimore, Md.
Filed Aug. 6, 1948, Serial No. 562,941. Published June 14, 1949. Class 35.

516,609. SOLID WOVEN BELTING. VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,035. Published May 31, 1949. Class 35.

516,610. NEWSLETTER. THE KLEIN INSTITUTE FOR APTITUDE TESTING, INC., New York, N. Y.
Filed Aug. 11, 1948, Serial No. 563,196. Published July 5, 1949. Class 38.

516,611. GARDEN HOSE MADE OF PLASTIC, SYNTHETIC ELASTOMERS, OR NATURAL RUBBER, OR COMBINATIONS THEREOF. INDUSTRIAL SYNTHETICS CORPORATION, Garwood, N. J.
Filed Aug. 12, 1948, Serial No. 563,255. Published May 31, 1949. Class 35.

516,612. SPORTS ANALYSIS COLUMN. EDWARD E. LITKENHOUS, Nashville, Tenn.
Filed Aug. 13, 1948, Serial No. 563,349. Published June 14, 1949. Class 38.

516,613. ASPIRIN TABLETS. DAKOTA ENTERPRISE, INC., Bismarck, N. Dak.
Filed Aug. 16, 1948, Serial No. 563,451. Published July 12, 1949. Class 6.

516,614. COTTON PIECE GOODS. THE BURY QUILTING MANUFACTURING COMPANY LIMITED, Manchester, England.
Filed Aug. 2, 1948, Serial No. 563,554. Published May 17, 1949. Class 42.

516,615. FILTERING, CLARIFYING, AND DECOLORIZING CARBONS. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed June 16, 1948, Serial No. 564,077. Published July 12, 1949. Class 6.

516,616. RUBBER TIRE CASINGS. SEIBERLING RUBBER COMPANY, Barberton, Ohio.
Filed Aug. 26, 1948, Serial No. 564,220. Published July 12, 1949. Class 35.

516,617. SECTION IN A PERIODICAL. STEEL PUBLICATIONS, INC., Pittsburgh, Pa.
Filed Sept. 7, 1948, Serial No. 564,790. Published June 28, 1949. Class 38.

516,618. ABRASIVE BARS FOR BUFFING AND POLISHING METAL SURFACES. POOR & COMPANY, Chicago, Ill.
Filed Sept. 9, 1948, Serial No. 564,897. Published July 5, 1949. Class 4.

516,619. SYNTHETIC DETERGENT FOR USE IN GENERAL HOUSE CLEANING AS APPLIED TO DISHES, LAUNDRY, WOOLENS, AND SO FORTH, AS WELL AS FOR USE IN PENETRATING AND SCOURING TEXTILES. ROBERT L. ANDERSON, doing business as Lehigh Chemical Products Company, Chester, Pa.
Filed Sept. 20, 1948, Serial No. 565,467. Published July 12, 1949. Class 4.

516,620. SOAPS. COMMERCIAL LABORATORIES, INC., Newark, N, Y.
Filed Oct. 8, 1948, Serial No. 566,690. Published July 5, 1949. Class 4.

516,621. PREPARED FLOUR FOR WAFFLES, DOUGHNUTS, BISCUITS, CORN MUFFINS, BRAN MUFFINS, COOKIES, CUP CAKES, BREAD, AND GINGER BREAD MUFFINS; AND FOR DOUGHNUTS AND CAKE DOUGHNUTS. DOUGHNUT CORPORATION OF AMERICA, New York, N. Y.
Filed Mar. 23, 1949, Serial No. 575,897. Published July 19, 1949. Class 46.

Certification Marks

516,622. FURNACE AND STOVE FUEL OILS. FLOYD J. CATER, Seattle, Wash.
Filed Nov. 18, 1947, Serial No. 541,511. Published July 5, 1949. Class 15.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

516,623. (CLASS 39. CLOTHING.) DE DE JOHNSON, Los Angeles, Calif. Original filed, act of 1905, May 21, 1945; amended to application under act of 1946, Supplemental Register, Oct. 9, 1948, Serial No. 483,608.



De De Johnson is a fanciful name and represents the maiden nickname of Delores K. Kronthal, a member of the applicant firm. The picture is a fanciful representation of a girl.

FOR LADIES' BLOUSES, SUITS, DRESSES, SKIRTS, PLAY-SUITS, SUN-BACK DRESSES, PEDAL-PUSHERS, SLACKS, SHORTS, AND SPORT COATS.

Claims use since Aug. 24, 1943.

516,624. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WINSTON LAMP MANUFACTURING COMPANY, Philadelphia, Pa. Original filed, act of 1905, May 4, 1946; amended to application under act of 1946, Supplemental Register, Nov. 16, 1948, Serial No. 501,489.

WINSTON CHINA

FOR ELECTRIC LAMPS AND ELECTRIC LAMP BASES MADE OF METAL, PLASTICS AND CERAMIC WARE.

Claims use since Mar. 6, 1946.

516,625. (CLASS 39. CLOTHING.) JUDY-KAY GARMENT CO., LTD., Kansas City, Mo. Original filed, act of 1905, July 29, 1946; amended to application under act of 1946, Supplemental Register, Jan. 23, 1948, Serial No. 506,451.

Judy Kay

"Judy-Kay" is a fanciful name.
FOR WOMEN'S AND CHILDREN'S DRESSES.
Claims use since June 24, 1946.

516,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE & SAVONNERIE GILOT, SOCIETE ANONYME, Paris, France. Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Supplemental Register, May 4, 1949, Serial No. 508,236.

PIGALLE

Applicant claims ownership of French Registration No. 367,321, dated May 23, 1946.
FOR PERFUMES, TOILET WATERS, ROUGE AND LIPSTICK.

516,627. (CLASS 39. CLOTHING.) EDWARD I. KALLINS, doing business as Kallins Blouse & Sportswear Co., New York, N. Y. Original filed, act of 1905, Oct. 8, 1946; amended to application under act of 1946, Supplemental Register, Apr. 14, 1949, Serial No. 510,436.

DESIGNED BY

Kay Lord

The name "Kay Lord" is fanciful.
FOR BLOUSES; PINAFORES; AND SPORTSWEAR—NAMELY, JACKETS, SKIRTS, SLACKS, AND SPORT DRESSES; FOR WOMEN AND MISSES.
Claims use since Aug. 1, 1946.

516,628. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLY HILL FRUIT PRODUCTS, INCORPORATED, Davenport, Fla. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Supplemental Register, June 28, 1948, Serial No. 510,681.

HOLLY HILL TANJORA

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Aug. 16, 1946.

516,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWEST POPCORN & SEED CO., Delaware, Ohio. Original filed, act of 1905, Oct. 25, 1946; amended to application under act of 1946, Supplemental Register, June 21, 1948, Serial No. 511,493.

BIG POP

FOR POP CORN, MADE FROM BOTH WHITE AND YELLOW CORN IN THEIR NATURAL STATE.
Claims use since Jan. 1, 1946.

516,630. (CLASS 39. CLOTHING.) D. MYERS & SONS INC., Baltimore, Md. Original filed, act of 1905, Oct. 31, 1946; amended to application under act of 1946, Supplemental Register, June 12, 1948, Serial No. 511,826.

Tailored Trod
FRENCH MODERNS

Applicant claims ownership of Registration No. 371,048.
FOR SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Oct. 21, 1946.

516,631. (CLASS 39. CLOTHING.) MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass. Original filed, act of 1905, Nov. 15, 1946; amended to application under act of 1946, Supplemental Register, June 18, 1948, Serial No. 512,648.

NIGHTY BOOTS

FOR CHILDREN'S HOUSE SLIPPERS TO WEAR OVER FOOTED PAJAMAS.
Claims use since Oct. 15, 1946.

516,632. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM M. HUSSON, doing business as Husson Laboratories, St. Augustine, Fla. Original filed, act of 1905, Feb. 18, 1947; amended to application under act of 1946, Supplemental Register, Aug. 4, 1948, Serial No. 517,724.

PROTECTALINE

FOR STRAIN RELIEVER ATTACHMENT FOR FISHING LINES.
Claims use since Dec. 2, 1946.

516,633. (CLASS 39. CLOTHING.) JACK KRASLER, doing business as Triangle Mfg. Co., Brooklyn, N. Y. Original filed, act of 1905, Mar. 12, 1947; amended to application under act of 1946, Supplemental Register, Feb. 24, 1948, Serial No. 518,892.

"CHILD'S-HEALTH"

FOR PAJAMAS, OVERALLS, SLEEPERS, INFANTS' BIBS, KIMONOS, NIGHT GOWNS, AND CREEPERS FOR CHILDREN.
Claims use since Jan. 1, 1940.

516,634. (CLASS 39. CLOTHING.) THE JOSEPH COMPANY, Chicago, Ill. Original filed, act of 1905, Mar. 20, 1947; amended to application under act of 1946, Supplemental Register, Nov. 19, 1948, Serial No. 519,336.

Jo Coe

The mark "Jo Coe" is not the name of any particular living individual and is merely fanciful.
FOR WOMEN'S AND CHILDREN'S BLOUSES, SWEATERS, KNITTED SHIRTS, PAJAMAS, AND NIGHTGOWNS.
Claims use since May 29, 1946.

516,635. (CLASS 39. CLOTHING.) DUBIN BROS. SHOE CO., St. Louis, Mo. Original filed, act of 1905, May 29, 1947; amended to application under act of 1946, Supplemental Register, June 14, 1948, Serial No. 523,248.

RICHARDS
Exquisite Shoes

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, CANVAS, AND COMBINATIONS THEREOF.
Claims use since Jan. 1, 1947.

516,636. (CLASS 39. CLOTHING.) HOLLY MILLS COMPANY, Mt. Holly, N. J., assignee of Abe Shilin. Original filed, act of 1905, June 11, 1947; amended to application under act of 1946, Supplemental Register, May 5, 1948, Serial No. 524,021.

SHEER BEAUTY

FOR HOSIERY.
Claims use since Mar. 1, 1947.

516,637. (CLASS 39. CLOTHING.) FLORIDA FASHIONS, INC., Sanford, Fla. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Supplemental Register, Nov. 26, 1948, Serial No. 526,217.

SEW Your Own

FOR MATERIALS CUT OUT READY FOR SEWING INTO LADIES' DRESSES, PLAY SUITS, AND BATHING SUITS.
Claims use since Apr. 15, 1947.

516,638. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE P. D. GEORGE COMPANY, St. Louis, Mo. Original filed, act of 1946, Principal Register, July 28, 1947; amended to application, Supplemental Register, June 24, 1949, Serial No. 529,764.

The PRODUCT WITH A PEDIGREE

Applicant claims ownership of Registrations Nos. 289,301 and 136,432.
FOR DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES; AND LACQUERS.
Claims use since November 1937.

516,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BESSIE CRANE HISE, Chagrin Falls Village, Ohio. Original filed, act of 1946, Principal Register, Aug. 19, 1947; amended to application, Supplemental Register, July 28, 1949, Serial No. 531,800.

Crane's

Applicant claims ownership of Registration No. 233,449.
FOR CANDY.
Claims use since 1916.

516,640. (CLASS 39. CLOTHING.) MERRILL-CLARK-MEINIG, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 25, 1947; amended to application, Supplemental Register, Sept. 21, 1948, Serial No. 532,317.

HAND EASE

FOR LEATHER AND FABRIC GLOVES.
Claims use since July 15, 1947.

516,641. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEIDLITZ PAINT & VARNISH CO., Kansas City, Mo. Original filed, act of 1946, Principal Register, Sept. 29, 1947; amended to application, Supplemental Register, July 16, 1948, Serial No. 536,147.

SILVERSHINE

FOR PAINTS IN PASTE OR SEMI-PASTE FORM.
Claims use since July 22, 1943.

516,642. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SOLAR CORPORATION, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Oct. 1, 1947; amended to application, Supplemental Register, June 22, 1949, Serial No. 536,455.

DECIDEDLY BETTER

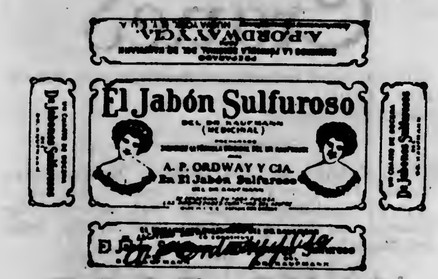
FOR ELECTRIC STORAGE BATTERIES.
Claims use since July 1, 1931.

516,643. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) J. GASPARI & CO., INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 28, 1947; amended to application, Supplemental Register, Nov. 24, 1948, Serial No. 536,574.

"METALITE"

FOR EYE GLASS AND SPECTACLE FRAMES.
Claims use since July 17, 1947.

516,644. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. P. ORDWAY & CO., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 23, 1947; amended to application, Supplemental Register, Dec. 30, 1948, Serial No. 538,806.



The representations of the woman are fanciful.
FOR SULPHUR SOAP.
Claims use since 1910.

516,645. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. P. ORDWAY & CO., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 23, 1947; amended to application, Supplemental Register, Dec. 30, 1948, Serial No. 538,807.



The representations of the woman are fanciful.
FOR SULPHUR SOAP.
Claims use since 1910.

516,646. (CLASS 39. CLOTHING.) POIRETTE CORSETS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 15, 1947; amended to application, Supplemental Register, July 19, 1949, Serial No. 544,385.

Nip-'n-Flare

FOR CORSETS AND GIRDLES.
Claims use since Nov. 1, 1947.

516,647. (CLASS 39. CLOTHING.) SOL SHERMAN, doing business under the name and style of Sherman Bows, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 16, 1948; amended to application, Supplemental Register, May 7, 1949, Serial No. 547,286.

MILK TIE

SOFT AS BUTTER

Applicant claims ownership of Registration No. 405,963.
FOR NECKTIES.
Claims use since Dec. 14, 1942.

516,648. (CLASS 39. CLOTHING.) ELLIOTT R. CHAPIN, trading as E. R. Chapin Co., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 19, 1948; amended to application, Supplemental Register, Feb. 19, 1949, Serial No. 550,121.

RYDER HATS

FOR MEN'S HATS.
Claims use since Jan. 20, 1948.

516,649. (CLASS 39. CLOTHING.) IRWILL KNITWEAR CORP., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 27, 1948; amended to application, Supplemental Register, May 26, 1949, Serial No. 550,704.

DESIGNED TO BE LIVED IN

Applicant claims ownership of Registration No. 397,602.
FOR LADIES' AND MISSES' SWEATERS, PLAYSUITS, AND BATHING SUITS.
Claims use since Nov. 1, 1940.

516,650. (CLASS 10. FERTILIZERS.) HARRY J. KNUTH, Euclid, Ohio. Original filed, act of 1946, Principal Register, Mar. 2, 1948; amended to application, Supplemental Register, Mar. 10, 1949, Serial No. 551,013.

RED-E-MIX PLANTONIC

FOR LIQUID PREPARATION FOR ENHANCING THE APPEARANCE OF AND PROMOTING THE GROWTH OF FOLIAGE PLANTS.
Claims use since Feb. 5, 1948.

516,651. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALSTON-LUCAS PAINT CO., Lyons, Ill. Original filed, act of 1946, Principal Register, Mar. 23, 1948; amended to application, Supplemental Register, July 14, 1949, Serial No. 552,733.

MOTOR-X

FOR PAINT ENAMEL.
Claims use since November 1930.

516,652. (CLASS 39. CLOTHING.) EVERITT HAT COMPANY, Milwaukee, Wis. Original filed, act of 1946, Principal Register, Apr. 7, 1948; amended to application, Supplemental Register, July 28, 1949, Serial No. 554,016.

Cooney of CALIFORNIA
ORIGINAL by Everitt

Applicant claims ownership of Registration No. 416,157.
FOR WOMEN'S, MISSES', AND GIRLS' HATS.
Claims use since Jan. 17, 1947.

516,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELENE PESSL, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, May 23, 1949, Serial No. 554,252.

TOY-LETRIES

FOR TOILET WATER, HAND LOTION, BUBBLE BATH, DUSTING POWDER, AND LIPSTICK POMADE.
Claims use since Jan. 22, 1948.

516,654. (CLASS 39. CLOTHING.) JACK SQUIRE, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, Jan. 21, 1949, Serial No. 554,267.

FASHIONED BY
Jackson Jr.

FOR LADIES' DRESSES.
Claims use since June 6, 1947.

516,655. (CLASS 39. CLOTHING.) SANDERS A. LEVINSOHN, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 10, 1948; amended to application, Supplemental Register, July 13, 1949, Serial No. 554,315.

Covert-Town

FOR MEN'S, BOYS', AND STUDENTS' SUITS AND OVERCOATS.
Claims use since Mar. 31, 1948.

516,656. (CLASS 39. CLOTHING.) HOPE CRAMPTON, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 27, 1948; amended to application, Supplemental Register, May 25, 1949, Serial No. 555,655.

PolkiDOT BY HOPE CRAMPTON

The name "Hope Crampton" is applicant's name.
FOR WATERPROOF BABY PANTS OF VARIOUS DESIGNS AND WORN OVER DIAPERS.
Claims use since Mar. 31, 1948.

516,657. (CLASS 33. GLASSWARE.) HAMILTON GLASS COMPANY, INC., Chicago, Ill. Filed May 11, 1948, Serial No. 556,795.



FOR FLAT GLASS.
Claims use since Jan. 10, 1927.

516,658. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Original filed, act of 1946, Principal Register, May 28, 1948; amended to application, Supplemental Register, Apr. 8, 1949, Serial No. 558,009.

A Masterpiece of Fashion Jewelry

Applicant claims ownership of Registration No. 408,989.
FOR NECKLACES, AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, COMB CASES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since January 1943.

516,659. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JULIUS KUPFER, INC., New York, N. Y. Original filed, act of 1946, Principal Register, June 9, 1948; amended to application, Supplemental Register, Aug. 8, 1949, Serial No. 558,794.

EVER-LITE

FOR ELECTRICAL CHRISTMAS TREE LIGHT BULB SETS.
Claims use since Apr. 1, 1948.

516,660. (CLASS 39. CLOTHING.) BALLANTYNE OF PEEBLES INCORPORATED, New York, N. Y. Filed July 15, 1948, Serial No. 561,434.

BALLANTYNE of Peebles

FOR SWEATERS AND HOSIERY.
Claims use since Aug. 14, 1946.

516,661. (CLASS 39. CLOTHING.) BALLANTYNE OF PEEBLES INCORPORATED, New York, N. Y. Filed Aug. 4, 1948, Serial No. 562,749.

BALLANTYNE of Peebles.

FOR SWEATERS AND HOSIERY.
Claims use since Aug. 14, 1946.

516,662. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 13, 1948; amended to application, Supplemental Register, Aug. 4, 1949, Serial No. 563,314.

Elegante

Applicant claims ownership of Registration No. 414,746.
FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

516,663. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 14, 1948; amended to application, Supplemental Register, Aug. 4, 1949, Serial No. 563,399.

Superb

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

516,664. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BARNETT DAVIS, INCORPORATED, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Nov. 10, 1948; amended to application, Supplemental Register, Aug. 10, 1949, Serial No. 568,496.

DAVIS DIAMONDS
Today's Treasure - Tomorrow's Heirlooms

FOR FINGER RINGS, EARRINGS, AND ALL ITEMS OF JEWELRY THAT CONTAIN DIAMONDS.
Claims use since July 1943.

516,665. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) NATHAN BERRIE & SONS, New York, N. Y. Filed Dec. 28, 1948, Serial No. 571,192.

A NAOMI PRODUCT

FOR JEWELRY BINDINGS, NECK CHAINS, AND JEWELRY CHAINS SOLD BY THE FOOT.
Claims use since Feb. 18, 1947.

516,666. (CLASS 19. VEHICLES.) DEARBORN MOTORS CORPORATION, Highland Park and Detroit, Mich. Filed Apr. 22, 1949, Serial No. 577,088.

Dearborn

FOR FARM WAGONS AND PARTS THEREOF.
Claims use since May 26, 1947.

Certification Marks

516,667. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LAMBERT LANDSCAPE CO., Dallas, Tex. Original filed, act of 1905, May 1, 1947; amended to application under act of 1946, Supplemental Register, May 3, 1948, Serial No. 521,667.

LAMBERT GREEN

FOR READY MIXED OIL PAINTS.
Claims use since June 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

83,919. "O EZR IC" ETC. AND DESIGN. Registered Dec. 19, 1899. Adam Cook's Sons, New York, N. Y. Re-renewed Dec. 19, 1949, to Adam Cook's Sons, Inc., Linden, N. J., a corporation of New Jersey. LUBRICATING COMPOUNDS. Class 15.

73,653. "PRO-PHY-TOL" AND BACKGROUND DESIGN. Registered May 4, 1909. Frank R. Tyler, Richmond, Va. Re-renewed May 4, 1949, to Altone Chemical Company, Inc., New Orleans, La., a corporation of Louisiana. TOOTH POWDER AND PASTE. Class 6.

74,120. NO-CO-RO. Registered June 22, 1909. The Canton Culvert Company, Canton, Ohio. Re-renewed June 22, 1949, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. SHEET METAL. Class 14.

74,162. "TONCAN" AND DESIGN. Registered June 22, 1909. The Stark Rolling Mill Company, Canton, Ohio. Re-renewed June 22, 1949, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. SHEET METAL. Class 14.

74,331. SIGNATURE OF E. W. VACHER ENCLOSED BY CIRCULAR DESIGN. Registered July 6, 1909. E. W. Vacher. Re-renewed July 6, 1949, to Altone Chemical Company, Inc., New Orleans, La., a corporation of Louisiana. REMEDY FOR CROUP. Class 6.

74,530. FORD. Registered July 20, 1909. Ford Motor Company, Detroit, Mich. Re-renewed July 20, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. AUTOMOBILES AND THEIR PARTS. Class 19.

74,765. FORD. Registered Aug. 10, 1909. Ford Motor Company, Detroit, Mich. Re-renewed Aug. 10, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. EXPLOSIVE-ENGINES AND THEIR PARTS. Class 23.

75,534. REPRESENTATION OF WOMAN. Registered Oct. 12, 1909. F. A. Foster & Co., New York, N. Y., assignor to F. A. Foster & Co., Inc. Re-renewed Oct. 12, 1949, to F. A. Foster & Co., Inc., Boston, Mass., a corporation of New York. COTTON DRAPERIES, BUNTINGS, AND GAUZES, COTTON UPHOLSTERY AND FURNITURE FABRICS, PRINTED COTTON PIECE GOODS, AND JUTE AND BURLAP PIECE GOODS. Class 42.

75,552. SPECTRA. Registered Oct. 19, 1909. Binney & Smith Company. Re-renewed Oct. 19, 1949, to Columbian Carbon Company, New York, N. Y., a corporation of Delaware. PIGMENT. Class 16.

75,582. LOTUS. Registered Oct. 19, 1909. Pfister & Vogel Leather Company. Re-renewed Oct. 19, 1949, to Pfister & Vogel Tanning Company, Milwaukee, Wis., a corporation of Wisconsin. ALL KINDS OF LEATHER. Class 1.

76,185. "BLUE SEAL P B" AND CIRCULAR DESIGN. Registered Dec. 21, 1909. Parrish Brothers, Incorporated, Baltimore, Md., a corporation of Maryland. Re-renewed Dec. 21, 1949. PEPPER, SPICES, AND TAPIOCA. Class 46.

208,029. "LACTOBYL" AND DESIGN. Registered Jan. 19, 1926. Societe Anonyme Omnium de Specialites & Produits Chimiques. Renewed Jan. 19, 1946, to Societe de Therapie Bio Chimique Societe Anonyme, of Paris, France, a corporation organized under the laws of the Republic of France. PREPARATION IN TABLET FORM FOR REGULATING THE BILIARY AND INTESTINAL SECRETIONS. Class 6.

250,950. STYLE-CRAFT SHOE. Registered Dec. 18, 1928. Emerson Shoe Manufacturing Company, Rockland, Mass. Renewed Dec. 18, 1948, to G. R. Kinney Co., Inc., of New York, N. Y., a corporation of New York. SHOES OF LEATHER AND OF LEATHER AND FABRIC COMBINATIONS. Class 39.

251,477. ANCHOR. Registered Jan. 8, 1929. The Western Shade Cloth Company. Renewed Jan. 8, 1949, to Joanna Western Mills Company, of Chicago, Ill., a corporation of Delaware. WINDOW SHADES AND SHADE ROLLERS. Class 32.

251,478. IVANHOE. Registered Jan. 8, 1929. The Western Shade Cloth Company. Renewed Jan. 8, 1949, to Joanna Western Mills Company, Chicago, Ill., a corporation of Delaware. WINDOW SHADES. Class 32.

251,479. EXCELSIOR. Registered Jan. 8, 1929. The Western Shade Cloth Company. Renewed Jan. 8, 1949, to Joanna Western Mills Company, Chicago, Ill., a corporation of Delaware. WINDOW SHADES AND SHADE ROLLERS. Class 32.

251,809. WAVERLY. Registered Jan. 15, 1929. The Western Shade Cloth Company. Renewed Jan. 15, 1949, to Joanna Western Mills Company, Chicago, Ill., a corporation of Delaware. WINDOW SHADES. Class 32.

254,385. CHIFONATA. Registered Mar. 26, 1929. Duplex Silk Mills, Inc., New York, N. Y. Renewed Mar. 26, 1949, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. CREPE CHIFFON IN THE PIECE. Class 42.

257,119. "FRIGIDEGS" ETC. AND DESIGN. Registered May 28, 1929. Detroit Butter & Egg Co. Inc. Renewed May 28, 1949, to Frigid Food Products, Inc., Detroit, Mich., a corporation of Michigan. FROZEN EGGS. Class 46.

258,534. BEAN. Registered July 9, 1929. Leon L. Bean. Renewed July 9, 1949, to L. L. Bean, Inc., Freeport, Maine, a corporation of Maine. CAMP MATTRESSES, FOLDING COTS, AND FOLDING CAMP STOOLS. Class 32.

258,905. "NORTH'S PORTLAND CEMENT CONDOR BRAND" AND REPRESENTATION OF CONDOR WITH SPREADED WINGS ENCLOSED BY CIRCULAR OUTLINE. Registered July 16, 1929. C. B. R. Cimenteries et Briqueteries Réunies S. A., Antwerp, Belgium. Renewed July 16, 1949, to Cimenteries et Briqueteries Réunies (En Abreviation C. B. R.) Societe Anonyme, Brussels, Belgium, a corporation organized under the laws of the Kingdom of Belgium. BUILDING CEMENTS. Class 12.

258,944. NU-HEALTH. Registered July 16, 1929. John T. Stanley Co., Inc., New York, N. Y., a corporation of New York. Renewed July 16, 1949. SOAP. Class 4.

259,182. "PARAMOUNT" ETC. AND LABEL DESIGN LINED FOR BLUE AND YELLOW. Registered July 23, 1929. Ruble Blade Corporation, New York, N. Y. Renewed July 23, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

259,184. "PARAGON" ETC. AND LABEL DESIGN LINED FOR RED. Registered July 23, 1929. Ruble Blade Corporation, New York, N. Y. Renewed July 23, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

259,303. SUPREME. Registered July 30, 1929. The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed July 30, 1949. RESILIENT VEHICLE TIRES AND TUBES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. Class 35.

259,697. CREO. Registered Aug. 13, 1929. Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois. Renewed Aug. 13, 1949. CASTINGS AND FORGINGS COMPRISING RAILWAY BRAKE-BEAM STRUTS, BRAKE-BEAM HEADS, ETC. Class 14.

260,125. "WHITE STAR" AND STAR DESIGN. Registered Aug. 20, 1929. Savannah Sugar Refining Corporation, Savannah, Ga., a corporation of New York. Renewed Aug. 20, 1949. SUGAR. Class 46.

260,150. REX-SALVINE. Registered Aug. 20, 1929. United Drug Company, Boston, Mass. Renewed Aug. 20, 1949, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. OINTMENT FOR BURNS AND CUTS. Class 6.

260,265. SPEEDGLOW. Registered Aug. 20, 1929. Lehman Bros., Incorporated. Renewed Aug. 20, 1949, to Lehman Bros. Corp., Jersey City, N. J., a corporation of New Jersey. DRY, READY-MIXED, AND PASTE PAINTS, PAINT ENAMELS, VARNISHES, ETC. Class 16.

260,271. PROTEXU. Registered Aug. 20, 1929. Arthur A. Williams, Holliston, Mass. Renewed Aug. 20, 1949. LEATHER SHOES FOR INDUSTRIAL WORKERS. Class 39.

260,467. "GREENBACK". Registered Aug. 27, 1929. John T. Stanley Co., Inc., New York, N. Y., a corporation of New York. Renewed Aug. 27, 1949. CANVAS-BELT CONVEYORS FOR LAUNDRY MACHINES. Class 35.

260,470. FORD. Registered Aug. 27, 1929. Ford Motor Company, Fordson, Mich. Renewed Aug. 27, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. STARTING CRANKS, RADIATOR FANS, RADIATOR-FAN MOUNTINGS, MUFFLERS; AUTOMOBILE REPAIR TOOLS—NAMELY, HUB-CAP WRENCHES, ETC. Class 23.

260,572. "ALL IN ONE". Registered Aug. 27, 1929. Vaughan Novelty Mfg. Co., Chicago, Ill., a corporation of Illinois. Renewed Aug. 27, 1949. COMBINED CAN OPENER AND CORKSCREW. Class 23.

260,600. CIRCULAR DESIGN. Registered Aug. 27, 1929. Andersen Lumber Company. Renewed Aug. 27, 1949, to Andersen Corporation, Bayport, Minn., a corporation of Minnesota. WOODEN WINDOW AND DOOR FRAMES. Class 12.

260,719. "CALBER" ETC. AND PORTRAIT DESIGN. Registered Aug. 27, 1929. Calber S. A. Renewed Aug. 27, 1949, to Calber S. A., San Sebastian, Spain, a corporation organized under the laws of Spain. Renewed Aug. 27, 1949. TOILET POWDER, EAUX DE COLOGNE, HAIR AND SKIN LOTIONS, ROUGES, PERFUMES, DENTIFRICES, AND LIQUID MOUTH WASH, ETC. Class 6.

261,103. MERCURY. Registered Sept. 3, 1929. Prest-O-Lite Storage Battery Corporation, Speedway, Ind. Renewed Sept. 3, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. STORAGE BATTERIES. Class 21.

261,793. MARCOL. Registered Sept. 24, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Sept. 24, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, ETC. Class 15.

261,794. PARMO. Registered Sept. 24, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Sept. 24, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, ETC. Class 15.

262,220. COMPO-TEX. Registered Oct. 1, 1929. M. Ewing Fox Co. Inc., New York, N. Y., a corporation of New York. Renewed Oct. 1, 1949. WATER PAINT IN DRY FORM. Class 16.

263,370. WONDER-FULL. Registered Nov. 5, 1929. Saul Sofrance, also known as Sol Sofrance, doing business as Wonderfull Brand Products, Chicago, Ill. Renewed Nov. 5, 1949. CANNED VEGETABLES, CANNED SHRIMP, AND TOMATO CATSUP. Class 46.

263,864. BEAN. Registered Nov. 12, 1929. Leon L. Bean. Renewed Nov. 12, 1949, to L. L. Bean, Inc., Freeport, Me., a corporation of Maine. LEATHER, RUBBER, DUCK, CANVAS, AND COMPOSITION BOOTS AND SHOES; MOCCASINS AND SLIPPERS OF LEATHER, ETC. Class 39.

264,067. TALKARTOONS. Registered Nov. 19, 1929. Paramount Famous Lasky Corporation. Renewed Nov. 19, 1949, to Paramount Pictures Inc., New York, N. Y., a corporation of New York. MOTION-PICTURE PHOTOPLAYS. Class 26.

264,204. RHOMBOID DESIGN. Registered Nov. 19, 1929. Diamond Expansion Bolt Co. Renewed Nov. 19, 1949, to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey. METAL CLAMPS FOR METAL CONDUIT, CABLE, AND PIPE. Class 13.

264,355. ENNA JETTICK. Registered Nov. 26, 1929. Dunn and McCarthy, Inc., Auburn, N. Y., a corporation of New York. Renewed Nov. 26, 1949. HOSIERY. Class 39.

264,486. CASTELLO. Registered Nov. 26, 1929. Arthur B. Miller, Seattle, Wash. Renewed Nov. 26, 1949, to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana. PIANO ACCORDIONS, CHROMATIC ACCORDIONS, "GERMAN STYLE" ACCORDIONS, ACCORDION STANDS, ETC. Class 36.

264,554. RESOLUTE. Registered Nov. 26, 1929. Crown Willamette Paper Company. Renewed Nov. 26, 1949, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada. PAPER TOWELS. Class 37.

264,669. HILLTOP. Registered Dec. 3, 1929. Weber and Heilbroner, Inc. Renewed Dec. 3, 1949, to Weber and Heilbroner, Inc., New York, N. Y., a corporation of New York. WOMEN'S HATS. Class 39.

264,729. HAZEL. Registered Dec. 3, 1929. Geo. Rasmussen Co. Renewed Dec. 3, 1949, to National Tea Co., Chicago, Ill., a corporation of Illinois. COOKIES, CANNED VEGETABLES, EVAPORATED MILK, AND TEA. Class 46.

264,785. COR-KIN COKE. Registered Dec. 3, 1929. The Corrigan, McKinney Steel Company. Renewed Dec. 3, 1949, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. COKE. Class 1.

264,826. JIM DANDY. Registered Dec. 10, 1929. D. B. Smith & Company, Inc., Utica, N. Y., a corporation of New York. Renewed Dec. 10, 1949. PREPARATION FOR KILLING FLIES AND GERMS AND INSECTICIDE FOR USE UPON CATTLE, LIVESTOCK, AND POULTRY, ETC. Class 6.

264,952. MAGNAFILM. Registered Dec. 10, 1929. Paramount Famous Lasky Corp. Renewed Dec. 10, 1949, to Paramount Pictures Inc., New York, N. Y., a corporation of New York. MOTION PICTURE PHOTOPLAYS. Class 26.

265,142. "FLIT" ETC. AND LABEL DESIGN. Registered Dec. 17, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 17, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Class 6.

265,143. "FLIT" ETC. AND LABEL DESIGN. Registered Dec. 17, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 17, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Class 6.

265,144. "FLIT" ETC. AND LABEL DESIGN. Registered Dec. 17, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Dec. 17, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Class 6.

265,306. "KEM" PRODUCTS" AND DESIGN. Registered Dec. 24, 1929. Kem Products Co., Inc., Newark, N. J., a corporation of New Jersey. Renewed Dec. 24, 1949. ADHESIVES—NAMELY, GUMS, GLUES, PASTES, ETC. Class 5.

265,369. "KLIP" ETC. AND LABEL DESIGN. Registered Dec. 24, 1929. Stanco Incorporated. Renewed Dec. 24, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. INSECTICIDES. Class 6.

265,374. AMERICAN BEAUTIES. Registered Dec. 24, 1929. Edward V. Stockham, Inc., Havre de Grace, Md., a corporation of Maryland. Renewed Dec. 24, 1949. TOMATO CATSUP, CANNED TOMATO CONCENTRATE, CANNED PORK AND BEANS, AND CANNED VEGETABLES. Class 46.

265,435. HAZEL. Registered Dec. 24, 1929. Geo. Rasmussen Co. Renewed Dec. 24, 1949, to National Tea Co., Chicago, Ill., a corporation of Illinois. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUP, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME. Class 45.

265,554. PRAIRIE. Registered Dec. 31, 1929. Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md., a corporation of Maryland. Renewed Dec. 31, 1949. COTTON DUCK. Class 42.

265,948. EN CORE. Registered Jan. 7, 1930. Susquehanna Silk Mills. Renewed Jan. 7, 1950, to J. Rosenhols, Inc., New York, N. Y., a corporation of New York. SILK PIECE GOODS. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

211,134. LADY ASTER. Registered Apr. 6, 1926. The Staples Grocery Company, Inc., Richmond, Va. CONDIMENTS—NAMELY, PEANUT BUTTER, OLIVES, PICKLES, CATCHUP, ETC. Class 46. Amended as follows: In the statement, lines 9 and 10, "peanut butter," is deleted.

263,410. THEY TAKE YOUR BREATH AWAY. Registered Nov. 5, 1929. Live Savers, Inc., Port Chester, N. Y. CANDY. Class 46. Corrected as follows: In the certificate, line 4; and in the statement, lines 2 and 3, "New York" should be *Delaware*.

330,120. OPPORTUNITY. Registered Nov. 19, 1935. Opportunity Publishing Company, Chicago, Ill. PUBLICATION ISSUED PERIODICALLY. Class 38. Amended as follows: In the statement, lines 4 and 5, "919 North Michigan Ave., Chicago," is deleted and *28 East Jackson Boulevard, Chicago 4*, is inserted in lieu thereof; and the drawing is amended to appear as follows:

OPPORTUNITY

510,114. P. N. PRACTICAL FRONT. Registered May 24, 1949. I. Newman & Sons, Incorporated, New Haven, Conn. CORSETS. Class 39. Corrected as follows: In the statement, line 25, for "December 14, 1901" read *December 14, 1920*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

103,004. KORONA. Registered Mar. 16, 1915. Renewed Mar. 16, 1935. Michael P. Kucsor. PAPRIKA. Class 46. New certificate under section 7(c) issued Oct. 18, 1949, to Korona Spice Corporation, New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1946, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 20,030. Registered Aug. 18, 1891. THE ALBERT DICKINSON COMPANY, Chicago, Ill. Republished by The Albert Dickinson Company (1938) Chicago, Ill., a corporation of Illinois.



FOR TIMOTHY-SEED.
Claims use since about Oct. 1, 1890.

Reg. No. 210,830. Registered Mar. 23, 1926. HART COAL CORPORATION, Mortons Gap, Ky. Republished by Bell & Zoller Coal Company, Chicago, Ill., a corporation of Illinois.



The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since 1920.

Reg. No. 322,481. Registered Mar. 5, 1935. RAINIER PULP & PAPER COMPANY, San Francisco, Calif. Republished by Rayonier Incorporated, New York, N. Y., a corporation of Delaware.

PURAINIER

FOR WOOD PULP.
Claims use since Oct. 5, 1934.

Reg. No. 397,557. Registered Sept. 8, 1942. RAYONIER INCORPORATED, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

RAYOCORD

FOR WOOD PULP.
Claims use since Mar. 30, 1942.

CLASS 2

RECEPTACLES

Reg. No. 73,137. Registered Mar. 16, 1909. FRANK MOSSBERG COMPANY, Attleboro, Mass. Republished by Apco Mossberg Company, Attleboro, Mass., a corporation of Massachusetts.



FOR METAL REELS AND METAL SPOOLS.
Claims use since Sept. 1, 1906.

Reg. No. 326,747. Registered July 30, 1935. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis., a corporation of New Jersey. Republished by registrant.



FOR KITCHENETTE SETS—NAMELY, FLOUR, SUGAR, COFFEE, AND TEA CANISTERS, BREAD BOXES, FLOUR BINS, CAKE CLOSETS, COOKIE BOXES, PANTRY BOXES, MADE OF JAPANNED WARE.
Claims use since Mar. 24, 1931.

Reg. No. 370,682. Registered Sept. 5, 1939. CALIFORNIA CREMATORIUM, Oakland, Calif., a corporation of California. Republished by registrant.

CHAPEL of the CHIMES

FOR URNS FOR THE ASHES OF THE DEAD.
Claims use since May 1, 1929.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 275,350. Registered Sept. 23, 1930. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ALBAOIL

FOR OIL FOR SOFTENING OR FAT-LIQUORING LEATHER.
Claims use since Jan. 8, 1910.

Reg. No. 282,061. Registered Apr. 7, 1931. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

OZO

FOR WASHING POWDER AND CLEANSING COMPOUND.
Claims use since Nov. 23, 1903.

Reg. No. 354,277. Registered Feb. 8, 1938. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

L'ADORE

FOR TOILET SOAP.
Claims use since June 29, 1937.

Reg. No. 390,810. Registered Oct. 7, 1941. STALKER MANUFACTURING COMPANY, INC., New York, N. Y. Republished by The Martin Dennis Company, Newark, N. J., a corporation of New Jersey.

S. M.

FOR SADDLE SOAP.
Claims use since Apr. 12, 1939.

Reg. No. 429,366. Registered Apr. 29, 1947. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OKEMCO

FOR CHEMICAL COMPOUNDS FOR ALL CLEANSING AND WASHING PURPOSES, PARTICULARLY FOR USE IN GARAGES, METAL WORKING AND RAILROAD SHOPS AND INDUSTRIAL PLANTS OF ALL KINDS; ALSO RECOMMENDED FOR STRIPPING SURFACES OF PAINT, VARNISH, ENAMELS, JAPANS, LACQUERS, AND OTHER SURFACE FINISHES; ANTI-RUSTING, NEUTRALIZING, AND AS A SCALE REMOVER.
Claims use since February 1914.

Reg. No. 429,862. Registered May 6, 1947. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OKEMCO

FOR INDUSTRIAL CLEANING PREPARATIONS.
Claims use since February 1914.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 75,545. Registered Oct. 12, 1909. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

ALBONE

FOR BLEACHING FLUID.
Claims use since Sept. 10, 1908.

Reg. No. 131,532. Registered May 18, 1920. FLORENCE N. LEWIS, New York, N. Y. Republished by Elisabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware.

EYE
SHA-DO

FOR CAKE FACE POWDER USED FOR THE COMPLEXION.
Claims use since 1917.

Reg. No. 172,782. Registered Sept. 11, 1923. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Republished by Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware.



The lining on the drawing indicates yellow for the border, pink for the ground within the border, and purple for the lettering.
FOR ROUGE AND POWDER.
Claims use since Aug. 8, 1916.

Reg. No. 243,072. Registered June 12, 1928. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

PUROGEN

FOR TANNER'S BATE.
Claims use since Aug. 31, 1925.

Reg. No. 243,291. Registered June 19, 1928. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

NEETOL

FOR KIND OF LEATHER STUFFING KNOWN AS FAT LIQUOR.
Claims use since July 30, 1921.

Reg. No. 243,292. Registered June 19, 1928. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ACIDOLENE

FOR KIND OF LEATHER STUFFING KNOWN AS FAT LIQUOR.
Claims use since Dec. 31, 1912.

Reg. No. 244,130. Registered July 10, 1928. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

CHROMOL

FOR KIND OF LEATHER STUFFING KNOWN AS FAT LIQUOR.
Claims use since May 29, 1895.

Reg. No. 249,634. Registered Nov. 20, 1928. ELISABETH ARDEN, INC., New York, N. Y. Republished by Elisabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware.

PROTECTA

FOR FACE CREAMS AND LOTIONS.
Claims use since June 1, 1928.

Reg. No. 262,778. Registered Oct. 22, 1929. VINCENT QUARTARARO, doing business under the name Omox Chemical Co., Brooklyn, N. Y. Republished by registrant.

JAVELLINA

FOR COMBINATION LIQUID LAUNDRY PREPARATION HAVING BLEACHING AND DISINFECTING PROPERTIES.
Claims use since May 1, 1929.

Reg. No. 262,919. Registered Oct. 29, 1929. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address St. Louis, Mo.

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FOR AROMATIC CASCARA, BAY RUM, CAMPHORATED OIL, CASTOR OIL, COD-LIVER OIL, EPSOM SALTS, GLYCERINE, HOSPITAL MEDICATED COTTON, MINERAL OIL FOR MEDICINAL PURPOSES, ANTISEPTICS, PEROXIDE, TOOTH PASTE, WITCH HAZEL, COLD CREAM, ANTISEPTIC PREPARATIONS IN LIQUID FORM FOR TREATMENT OF CATARRHAL CONDITIONS OF THE NOSE AND THROAT, TOILET WATER, HAIR TONIC, ACETYL SALICYCLIC ACID, BORIC ACID (DRY), BORIC ACID (SOL), COLD AND GRIPPE TABLETS, ESSENCE OF PEPPERMINT, GLYCERINE AND ROSE WATER, SKIN LOTIONS, ANTACID AND LAXATIVE PREPARATIONS, RUBBING ALCOHOL, SPIRITS OF CAMPHOR, IODINE, COUGH SYRUP, HAIR SHAMPOO.
Claims use since Mar. 27, 1929.

Reg. No. 267,841. Registered Mar. 4, 1930. PERCIVAL E. FALKINGHAM, New York, N. Y. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

LILT

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, FACE BLEACHES, FACE PACKS, EYEBROW AND EYELASH GROWER, EYEDROPS, HAND LOTIONS, SKIN LOTIONS, AFTER-SHAVING LOTIONS, POMADES, FACE POWDERS, TALCUM POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, NAIL POWDERS, NAIL CREAMS, NAIL BLEACHES, WITCH-HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH-HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, CORN SALVES, DEODORANTS, DISINFECTANTS, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since May 192[illegible]

Reg. No. 270,850. Registered May 13, 1930. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

NEUTROLENE

FOR OIL OR GREASE FOR USE IN THE LEATHER INDUSTRY AS A KIND OF LEATHER STUFFING.
Claims use since Jan. 12, 1914.

Reg. No. 270,851. Registered May 13, 1930. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

ALKOLENE

FOR OIL OR GREASE FOR USE IN THE LEATHER INDUSTRY AS A KIND OF LEATHER STUFFING.
Claims use since May 5, 1914.

Reg. No. 290,207. Registered Dec. 22, 1931. ELISABETH ARDEN, INC., New York, N. Y. Republished by Elisabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware.

BLUSH ROSE

The word "Rose" is disclaimed apart from the mark as shown.
FOR ROUGE.
Claims use since May 6, 1931.

Reg. No. 362,235. Registered Nov. 15, 1938. FOUR PENNY PRODUCTS CO., Chicago, Ill. Republished by Four Penny Products Co. Inc., Chicago, Ill., a corporation of Illinois.

Four Penny

FOR DANDRUFF REMOVER TONIC AND DANDRUFF REMOVER SHAMPOO.
Claims use since July 1932.

Reg. No. 391,173. Registered Oct. 28, 1941. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

DYSPELIT

FOR BODY DEODORANT—VIZ., CREAM DEODORANT, DEODORANT POWDER, AND DEODORANT PADS.
Claims use since on or about July 17, 1939.

Reg. No. 400,461. Registered Mar. 9, 1943. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

SUPER-KAPS

FOR VITAMIN CAPSULES.
Claims use since Jan. 10, 1941.

Reg. No. 414,785. Registered June 26, 1945. ELISABETH ARDEN SALES CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

THEY SAY ON DIT

FOR PERFUMES, EAU DE COLOGNES, TOILET WATERS, LIPSTICKS, ROUGES, FACE, TALCUM, AND DUSTING POWDERS, SACHETS, AND BATH SALTS.
Claims use since July 1, 1944.

Reg. No. 429,866. Registered Apr. 29, 1947. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OKEMCO

FOR CHEMICAL COMPOUNDS FOR ALL CLEANSING AND WASHING PURPOSES, PARTICULARLY FOR USE IN GARAGES, METAL WORKING AND RAILROAD SHOPS AND INDUSTRIAL PLANTS OF ALL KINDS; ALSO RECOMMENDED FOR STRIPPING SURFACES OF PAINT, VARNISH, ENAMELS, JAPANS, LACQUERS, AND OTHER SURFACE FINISHES; ANTI-RUSTING, NEUTRALIZING, AND AS A SCALE REMOVER.
Claims use since February 1914.

CLASS 7
CORDAGE

Reg. No. 311,908. Registered Apr. 10, 1934. INDEPENDENT CORDAGE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Independent

FOR CORDAGE, ROPE, CORD, AND TWINE.
Claims use since October 1932.

CLASS 12
CONSTRUCTION MATERIALS

Reg. No. 259,095. Registered July 23, 1929. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.



The words "Asphalt Products," "Shingles," "Roofings," and "Protection" are disclaimed apart from the mark as shown.
FOR ASPHALTIC MATERIAL TO BE USED AS A COMPOUND IN BUILT-UP ROOFS.
Claims use since on or about July 15, 1926.

CLASS 13

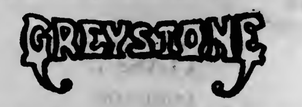
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 60,716. Registered Feb. 19, 1907. GURST, KERN & NETTLEFOLDS LIMITED, Birmingham, England, a corporation of Great Britain. Republished by registrant, present address Smethwick, England.



FOR SCREWS OF ALL DESCRIPTIONS, NAILS, RIVETS, NUTS, WASHERS, HOOKS AND EYES, USED EITHER SEPARATELY OR TOGETHER, HITCH-PINS, ROLLER ARMS, DESK-RIVETS, PIANO-HINGES, IRON PINS, AND WIRE STAPLES.
Claims use since about August 1872.

Reg. No. 125,484. Registered May 20, 1919. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



FOR BOWLS, COLANDERS, CUSPIDORS, CUPS AND SAUCERS, COFFEE POTS, DRINKING CUPS, DIPPERS, DISHPANS, DINNER PLATES, COOKING KETTLES, LADLES, MILK BOILERS, MILK KETTLES, MILK PANS, MUGS, PRESERVING KETTLES, PUDDING PANS, PITCHERS AND BOWLS, RICE BOILERS, SEAMLESS BOWLS, SOUP BOWLS, TEA KETTLES, TEAPOTS, SINK DRAINERS, SAUCEPANS, WASHBOWLS, AND WATER PITCHERS.
Claims use since about 1893.

Reg. No. 125,752. Registered June 10, 1919. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



The word "Whitestone" is disclaimed apart from the mark as shown.
FOR DIPPER BOWLS, COLANDERS, CUSPIDORS, CUPS AND SAUCERS, COFFEE POTS, DRINKING CUPS, DIPPERS, DISH PANS, DINNER PLATES, COOKING KETTLES, LADLES, MILK BOILERS, MILK KETTLES, MILK PANS, MUGS, PRESERVING KETTLES, PUDDING PANS, RICE BOILERS, SEAMLESS BOWLS, TEA KETTLES, TEAPOTS, SINK DRAINERS, SAUCEPANS, WASHBOWLS, AND WATER PITCHERS.
Claims use since 1910.

Reg. No. 129,193. Registered Jan. 27, 1920. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



FOR ASPARAGUS-BOILERS, SEAMLESS BOWLS, BERLIN KETTLES, BAKING-PANS, BREAD RAISERS, BREAD-PANS, WATER BOWLS, COFFEE-POTS, COFFEE-BIGGINS, COFFEE-BOILERS, CUPS AND SAUCERS, CAKE-PANS, CAKE-TURNERS, COLANDERS, CUSPIDORS, CORN-CAKE PANS, COMBINATION SAUCEPANS, DINNER-PLATES, DRINKING-CUPS, DIPPERS, DISH-PANS, FOOT-BATHS, FISH-BOILERS, FRY-PANS, FUNNELS, FRUIT-JAR FILLERS, FIRELESS COOKER POTS, HAM-BOILERS, JELLY-MOLDS, JELLY-CAKE PANS, JELLY-STRAINERS, COOKING-KETTLES, LADLES, MILK-PANS, MILK-KETTLES, MILK-BOILERS, BAKING AND JELLY MOLDS, MUFFIN-PANS, MOLASSES-PITCHERS, POT COVERS, PRESERVING-KETTLES, PUDDING-PANS, PITCHERS, PIE-PLATES, ROASTERS, RICE-BOILERS, RINSING-PANS, SOUP-STOCK POTS, SOUP-PLATES, SOUP-LADLES, SOUP-BOWLS, SAUCERS, FRYING AND BAKING PANS AND BOILING-POTS, SAUCE-POTS, SAUCEPANS, SUDS-DIPPERS, SOAP-DISHES, SINK-DRAINERS, STRAINERS, STEAMERS, STEW-PANS, SKIMMERS, TEA-KETTLES, TEAPOTS, TEA-STEEPERS, WASHBOWLS, WATER-PAILS, AND WATER-PITCHERS.
Claims use since November 1905.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 246,529. Registered Sept. 11, 1928. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Republished by Firth Sterling Steel & Carbide Corporation, McKeesport, Pa., a corporation of Pennsylvania.



FOR STEEL IN THE FORM OF SHEETS, BARS, RODS, BLOCKS, DISKS, PIECES OF STEEL, SPECIAL SHAPES, AND FORGINGS.
Claims use since Aug. 22, 1927.

CLASS 15

OILS AND GREASES

Reg. No. 201,308. Registered July 21, 1925. RICHFIELD OIL COMPANY, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.

RICHFIELD

FOR GASOLINE.
Claims use since Jan. 1, 1915.

Reg. No. 203,663. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.

WESLUBE

FOR LUBRICATING OILS.
Claims use since Dec. 13, 1924.

Reg. No. 315,103. Registered July 17, 1934. MERLE E. KEMPER, doing business as Sta-Lube Company, St. Louis, Mo. Republished by Laird, Inc., Los Angeles, Calif., a corporation of California.



FOR LUBRICATING OILS AND GREASES.
Claims use since Aug. 1, 1931.

Reg. No. 442,550. Registered Apr. 26, 1949. MISSOURI FARMERS ASSOCIATION, INC., Columbia, Mo., a corporation of Missouri. Republished by registrant.



Exemplary color characteristics of the mark are indicated on the drawing by vertical rulings symbolizing the color red and horizontal rulings symbolizing the color blue.
FOR GASOLINES, KEROSINES, BENZINES, DISTILLATES, DIESEL ENGINE FUEL OILS, BURNER FUEL OILS, AND LUBRICATING OILS AND GREASES.
Claims use since Nov. 1, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 256,627. Registered May 21, 1929. BENJAMIN FOSTER COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

I. B. M.

FOR BITUMINOUS PAINT AND ALUMINUM PAINT.
Claims use since Oct. 24, 1928.

Reg. No. 261,223. Registered Sept. 10, 1929. YANKEE POLISH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR POLISHES AND DRESSINGS FOR CLEANING AND POLISHING PAINTED AND VARNISHED SURFACES OF AUTOMOBILES, FLOORS, AND FURNITURE.
Claims use since Jan. 2, 1915.

Reg. No. 262,757. Registered Nov. 12, 1929. DANIEL J. MCCRUDDEN, JR., doing business as Monad Paint & Varnish Co., Philadelphia, Pa., assignor to Monad Paint & Varnish Co., a corporation of Pennsylvania. Republished by Monad Paint & Varnish Co., Philadelphia, Pa., a corporation of Pennsylvania.



The words "House Paint" are disclaimed apart from the mark as shown. The upper part of the shield is white with black lettering, and the rectangular panel is yellow, white, and blue, the vertical lines representing the blue.
FOR PAINTS OTHER THAN WATER PAINTS, INCLUDING DRY, READY-MIXED, AND PASTE PAINTS, PAINT ENAMELS, AND VARNISHES.
Claims use since April 1928.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 241,985. Registered May 8, 1928. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined to indicate blue color.

FOR RADIO APPARATUS AND PARTS THEREOF COMPRISING RADIO RECEIVING SETS, LOUD SPEAKERS, AERIAL LOOPS, AMPLIFIERS CONSISTING OF ELECTRON TUBES, VACUUM TUBES, AND HEAD PHONES.

Claims use since May 20, 1924.

Reg. No. 312,814. Registered May 8, 1934. CORNELL-DUBILIER CORPORATION, New York, N. Y. Republished by Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware.

VEGETOL

FOR ELECTRICAL CONDENSERS..
Claims use since May 1933.

Reg. No. 335,657. Registered June 9, 1936. CORNELL-DUBILIER CORPORATION, New York, N. Y. Republished by Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware.

DYKANOL

FOR ELECTRICAL CONDENSERS..
Claims use since Apr. 19, 1935.

Reg. No. 379,258. Registered July 9, 1940. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J., a corporation of Delaware. Republished by registrant.

"SERVICE-MIKE"

The word "Service" is disclaimed apart from its association with the word "Mike" in the mark as shown.

FOR ELECTROLYTIC CONDENSERS.
Claims use since Sept. 28, 1939.

Reg. No. 379,259. Registered July 9, 1940. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J., a corporation of Delaware. Republished by registrant.

"TEST-MIKE"

The word "Test" is disclaimed apart from its association with the word "Mike" in the mark as shown.

FOR ELECTROLYTIC CONDENSERS.
Claims use since Sept. 28, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 125,484. Registered May 20, 1919. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



FOR BOWLS, COLANDERS, CUSPIDORS, CUPS AND SAUCERS, COFFEE POTS, DRINKING CUPS, DIPPERS, DISHPANS, DINNER PLATES, COOKING KETTLES, LADLES, MILK BOILERS, MILK KETTLES, MILK PANS, MUGS, PRESERVING KETTLES, PUDDING PANS, PITCHERS AND BOWLS, RICE BOILERS, SEAMLESS BOWLS, SOUP BOWLS, TEA KETTLES, TEAPOTS, SINK DRAINERS, SAUCEPANS, WASHBOWLS, AND WATER PITCHERS.

Claims use since about 1893.

Reg. No. 125,752. Registered June 10, 1919. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



The word "Whitestone" is disclaimed apart from the mark as shown.

FOR DIPPER BOWLS, COLANDERS, CUSPIDORS, CUPS AND SAUCERS, COFFEE POTS, DRINKING CUPS, DIPPERS, DISH PANS, DINNER PLATES, COOKING KETTLES, LADLES, MILK BOILERS, MILK KETTLES, MILK PANS, MUGS, PRESERVING KETTLES, PUDDING PANS, RICE BOILERS, SEAMLESS BOWLS, TEA KETTLES, TEAPOTS, SINK DRAINERS, SAUCEPANS, WASHBOWLS, AND WATER PITCHERS.

Claims use since 1910.

Reg. No. 129,193. Registered Jan. 27, 1920. NATIONAL ENAMELING AND STAMPING COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Milwaukee, Wis.



FOR ASPARAGUS-BOILERS, SEAMLESS BOWLS, BERLIN KETTLES, BAKING-PANS, BREAD RAISERS, BREAD-PANS, WATER BOWLS, COFFEE-POTS, COFFEE-BIGGINS, COFFEE-BOILERS, CUPS AND SAUCERS, CAKE-PANS, CAKE-TURNERS, COLANDERS, CUPIDORS, CORN-CAKE PANS, COMBINATION SAUCEPANS, DINNER-PLATES, DRINKING-CUPS, DIPPERS, DISH-PANS, FOOT-BATHS, FISH-BOILERS, FRY-PANS, FUNNELS, FRUIT-JAR FILLERS, FIRELESS COOKER POTS, HAM-BOILERS, JELLY-MOLDS, JELLY-CAKE PANS, JELLY-STRAINERS, COOKING-KETTLES, LADLES, MILK-PANS, MILK-KETTLES, MILK-BOILERS, BAKING AND JELLY MOLDS, MUFFIN-PANS, MOLASSES-PITCHERS, POT COVERS, PRESERVING-KETTLES, PUDDING-PANS, PITCHERS, PIE-PLATES, ROASTERS, RICE-BOILERS, RINSING-PANS, SOUP-STOCK POTS, SOUP-PLATES, SOUP-LADLES, SOUP-BOWLS, SAUCERS, FRYING AND BAKING PANS AND BOILING-POTS, SAUCE-POTS, SAUCEPANS, SUDS-DIPPERS, SOAP-DISHES, SINK-DRAINERS, STRAINERS, STEAMERS, STEW-PANS, SKIMMERS, TEA-KETTLES, TEAPOTS, TEA-STEEPERS, WASHBOWLS, WATER-PAILS, AND WATER-PITCHERS.

Claims use since November 1905.

Reg. No. 233,317. Registered Sept. 27, 1927. NORTHERN BLOWER COMPANY, Cleveland, Ohio. Republished by Northern Blower Company, Cleveland, Ohio, a corporation of Ohio.



FOR DUST COLLECTORS FOR REMOVING DUST IN FOUNDRIES, FACTORIES, MACHINE SHOPS, ETC.

Claims use since January 1927.

Reg. No. 293,658. Registered May 3, 1932. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Hopkins, Minn. Republished by Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.



FOR TRACTORS.
Claims use since Sept. 1, 1931.

Reg. No. 309,247. Registered Jan. 9, 1934. PEREY MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPERSTILE

FOR TURNSTILES AND LIKE PASSAGE-CONTROLLING GATES OF THE ROTARY TYPE.
Claims use since May 26, 1932.

Reg. No. 323,175. Registered Apr. 2, 1935. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Hopkins, Minn. Republished by Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.



FOR AGRICULTURAL MACHINERY, IMPLEMENTS, AND ACCESSORIES, PARTICULARLY COMBINED HARVESTER-THRESHERS (COMBINES), THRESHING MACHINES, CORN SHELLERS, POWER UNITS (STATIONARY 4 TO 6 CYLINDER ENGINES), PLOWS, MIDDLEBREAKERS, UNIT ATTACHMENTS FOR TILLING, STALK CUTTERS, HARROWS, PLANTERS, LISTERS, RIDGE BUSTERS, ROTARY HOES, CULTIVATORS, MANURE SPREADERS, MOWERS, RAKES, HAY LOADERS, AND GRAIN DRILLS.

Claims use since Mar. 15, 1932.

Reg. No. 340,668. Registered Nov. 17, 1936. KAY-BRUNNER STEEL PRODUCTS, INC., Alhambra, Calif., a corporation of Delaware. Republished by registrant.



FOR MACHINES FOR FORMING, GRADING, RIPPING, AND OTHERWISE WORKING ROADS; HYDRAULIC PUMPS; AND HOISTS.

Claims use since Feb. 1, 1935.

Reg. No. 363,434. Registered Dec. 27, 1938. E. W. BLISS COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant, present address Toledo, Ohio.

E.W.BLISS CO.

FOR METAL WORKING PRESSES OF ALL KINDS, METAL DRAWING MACHINES, CAN MAKING AND FILLING MACHINES, METAL CUTTING MACHINES, LATHES, BORING MILLS, THREADING AND SPINNING MACHINES, ROLLING MILLS, WIRE FORMING AND WORKING MACHINES, SWAGING MACHINES, AND IN GENERAL MACHINERY USED IN ALL PHASES OF THE PRODUCTION OF ARTICLES OF SHEET METAL, AND EQUIPMENT AND PARTS FOR SUCH DEVICES SUCH AS SHEET METAL FORMING MACHINES, SHEARING MACHINES, DRILLING MACHINES, AND ALL SIMILAR SHEET METAL WORKING MACHINES.

Claims use since as early as 1875.

Reg. No. 367,751. Registered May 30, 1939. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

Copy-King

FOR DUPLICATING DEVICES, PARTICULARLY THOSE FOR TRANSFERRING INK BY MEANS OF A BODY OF GELATIN.

Claims use since about Mar. 18, 1938.

Reg. No. 438,375. Registered Apr. 20, 1948. THE MASTER ELECTRIC COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

MASTERDRIVE

FOR CLUTCHES OTHER THAN FOR USE IN CONNECTION WITH AUTOMOBILE DRIVE TRANSMISSIONS.

Claims use since July 6, 1944.

Reg. No. 442,857. Registered June 7, 1949. H. BOKER & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

TREE



FOR POCKET KNIVES MADE OF BASE METAL.

Claims use since about Jan. 1, 1867.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 287,761. Registered Oct. 6, 1931. PEREY MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COINPASSOR

FOR COMBINATION TURNSTILES AND REGISTERING FARE BOXES.

Claims use since Nov. 1, 1928.

Reg. No. 441,572. Registered Dec. 14, 1948. GARRISON MACHINE WORKS, INC., Dayton, Ohio, a corporation of Ohio. Republished by registrant.

THERMO-LAB

FOR BOX-LIKE TEMPERATURE CONTROLLED CABINETS, WITHIN WHICH THE MANUFACTURE, ASSEMBLY, CALIBRATION, INSPECTION, AND TESTING OF PRECISION PARTS, ASSEMBLIES, AND APPARATUS MAY BE ACCOMPLISHED.

Claims use since Nov. 16, 1944.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 231,468. Registered Aug. 23, 1927. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN BAZAAR



FOR PORCELAIN AND CHINA BEDROOM CHAMBERS, CEREAL SETS, AND CHINAWARE.

Claims use since 1879.

Reg. No. 341,918. Registered Dec. 29, 1936. MINTONS LIMITED, Stoke-upon-Trent, England, a corporation of Great Britain. Republished by registrant, present address Stoke-on-Trent, England.

MINTONS

FOR CHINA AND EARTHENWARE—NAMELY, COOKING AND TABLE DISHES AND HOLLOWWARE; CUSPIDORS, SLOP JARS, PITCHERS, CHAMBER POTS, SHIPPING AND STORAGE JARS AND JUGS, JARDINIERES, VASES, AND WASHBOWLS.

Claims use since Feb. 2, 1874.

Reg. No. 427,236. Registered Feb. 4, 1947. MINTONS LIMITED, Stoke-on-Trent, England, a corporation of Great Britain. Republished by registrant.

MINTON

FOR PORCELAIN, EARTHENWARE, AND POTTERY—NAMELY, DINNER SERVICES, BREAKFAST SERVICES, TEA SERVICES; CUPS AND SAUCERS; BASINS; PLATES AND DISHES; TUREENS AND STANDS; SAUCE BOATS; EGG CUPS, MUFFIN DISHES; TEA POTS; COFFEE POTS; JUGS; TOAST RACKS; JAM AND MARMALADE POTS; COVERED BUTTER AND CHEESE DISHES; TRAYS AND WAITERS; LADLES; CRUET SETS; STRAINERS; PIE DISHES; HONEY POTS; NIGHT LIGHT STANDS; PIE FUNNELS; WASH BOWLS; BOWLS; VASES; FLOWER POTS; JARDINIERES; CLOCK BASES AND BAROMETER BASES; MENU STANDS.

Claims use since 1847.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 235,859. Registered Nov. 29, 1927. THE BUCKLEY, NEWHALL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



The drawing is lined to indicate blue color.

FOR HOUSEHOLD AND OFFICE FURNITURE CONSTRUCTED OF METAL, WOOD, REED, FIBER, AND GRASS, AND COMBINATIONS THEREOF, COMPRISING CHAIRS, TABLES, DESKS, CHIFFONIERS, DRESSERS, SIDEBOARDS, BUFFETS, CHINA CLOSETS, PEDESTALS; KITCHEN, MUSIC, PHONOGRAPH, RADIO, AND SMOKERS' CABINETS; CARD TABLES, DIVANS, BENCHES, CHIFFORETTES, CHIFFOROBES, COUCH HAMMOCKS, BUREAUS, CHAIR SEATS, SETTEES, CEDAR CHESTS, SOFAS, TEA WAGONS, SERVERS, TABORETS, FERNERIES, CONSOLE SETS, STOOLS, CHILDREN'S PLAY PENS, CAMP FURNITURE, WOOD AND METAL, BOOKCASES, WARDROBES, MIRROR FRAMES, FILING CASES, BOOK ENDS, CHILDREN'S RETAINING FRAMES, VANITIES, MEDICINE CHESTS, WOOD PICTURE FRAMES, PILLOWS, CUSHIONS, AND MIRRORS.

Claims use since Aug. 10, 1910.

Reg. No. 429,170. Registered Apr. 22, 1947. THE MENGEL COMPANY, Louisville, Ky., a corporation of New Jersey. Republished by registrant.

Permanized

FOR DRESSERS, BUREAUS, CHESTS, CHIFFONIERS, WARDROBES, VANITIES, BOOK CASES, SECRETARIES, BUFFETS; CHAIRS OF THE FOLLOWING TYPES: DINING ROOM, KITCHEN, LIVING ROOM; BENCHES, STOOLS; AND TABLES OF THE FOLLOWING TYPES: DINING, BEDSIDE, COFFEE, END, CARD, DROP LEAF, EXTENSION, LIBRARY, SERVING.

Claims use since Nov. 28, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 402,503. Registered July 27, 1943. YOUNG RADIATOR COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.

VERTIVENT

FOR AIR CONDITIONING AND VENTILATING UNITS.

Claims use since Dec. 23, 1942.

CLASS 37

PAPER AND STATIONERY

Reg. No. 371,644. Registered Oct. 3, 1939. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

Satinette

FOR CLEANSING TISSUES.

Claims use since on or about May 1, 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 155,190. Registered May 23, 1922. AMERICAN AUTOMOBILE ASSOCIATION, Washington, D. C., and New York, N. Y., a corporation of Connecticut. Republished by registrant, present address Washington, D. C.

AMERICAN AUTOMOBILE ASSOCIATION
WASHINGTON D.C. AAA NEW YORK CITY

The words "Washington, D. C." and "New York City" are disclaimed apart from the mark as shown.

FOR PRINTED MAPS, PAMPHLETS, PUBLISHED FROM TIME TO TIME, AND PRINTED BOOKS PUBLISHED ANNUALLY AND ALSO FROM TIME TO TIME.

Claims use since May 1918.

Reg. No. 307,612. Registered Oct. 31, 1933. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

The Stylist

FOR FURNITURE MERCHANDISING PERIODICAL.
Claims use since Dec. 5, 1932.

CLASS 39

CLOTHING

Reg. No. 26,893. Registered Aug. 6, 1895. JOHN S. BROWN & Co., Belfast, Ireland, and New York, N. Y. Republished by John S. Brown & Sons Limited, Belfast, Northern Ireland, a corporation organized under the laws of Great Britain and Northern Ireland.

SHAMROCK

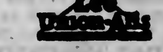
FOR HOUSEHOLD AND TABLE LINENS, CAMBRIC HANDKERCHIEFS, LINEN PIECE GOODS, LINEN DRESS GOODS, LINEN EMBROIDERY, AND LINEN LININGS.
Claims use since on or about 1861.

Reg. No. 111,740. Registered Aug. 1, 1916. THE H. D. LEE MERCANTILE CO., Salina, Kans. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.



FOR OVERALLS.
Claims use since Jan. 7, 1916.

Reg. No. 120,403. Registered Feb. 5, 1918. THE H. D. LEE MERCANTILE CO., Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.



FOR ONE-PIECE WORK-SUITS.
Claims use since Oct. 1, 1916.

Reg. No. 217,606. Registered Sept. 7, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

SHIRTMAKER FROCK

The word "Frock" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND CHILDREN'S DRESSES.
Claims use since Apr. 23, 1926.

Reg. No. 235,092. Registered Nov. 8, 1927. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN BAZAAR



FOR SILK CARRIAGE STRAPS, TEXTILE KNITTED WARMERS FOR BOTTLES, BEDSPREADS, TEXTILE BLANKETS, SHEETS, WASH CLOTHS, CASES; SLIPS AND SHAMS FOR PILLOWS; TEXTILE TOWELS, AFGHANS, SILKY SPONGES FOR USE AS WASH CLOTHS, TEXTILE CRIB SHIELDS, DIAPERS, AND RUGS.
Claims use since 1879.

Reg. No. 253,607. Registered Mar. 5, 1929. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

BEST-FLEX

The word "Best" is disclaimed apart from the mark as shown.
FOR SHOES OF LEATHER, OR FABRIC, OR COMBINATIONS OF THOSE MATERIALS.
Claims use since Feb. 1, 1923.

Reg. No. 256,181. Registered May 7, 1929. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address St. Louis, Mo.

Chateau

FOR HOSIERY.
Claims use since Dec. 3, 1928.

Reg. No. 259,620. Registered Aug. 6, 1929. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C., and New York, N. Y. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

BLUE SQUARE

FOR COTTON SHEETS, COTTON PILLOWCASES, COTTON HANDKERCHIEFS, COTTON DIAPERS, AND COTTON DIAPER CLOTH.
Claims use since July 23, 1928.

Reg. No. 263,745. Registered Nov. 12, 1929. LA LONDE & CLARKE, INC., Rochester, N. Y. Republished by The Green Shoe Manufacturing Co., Boston, Mass., a corporation of Massachusetts.

STRIDE RITE

FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Apr. 27, 1928.

Reg. No. 268,462. Registered Mar. 18, 1930. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANRAY

FOR UNDERWEAR—NAMELY, UNDERDRAWERS.
Claims use since July 1, 1929.

Reg. No. 273,272. Registered July 29, 1930. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

MANSCO

FOR KNIT UNDERWEAR AND CUT AND SEWN UNDERWEAR, AS FOLLOWS: SHIRTS, DRAWERS, AND UNION SUITS; ATHLETIC DRAWERS, ALSO KNOWN AS RUNNING PANTS OR TRACK PANTS; SPORT SHIRTS, DRESS SHIRTS, AND NEGLIGEE SHIRTS, PAJAMAS, AND SWEATERS.
Claims use since June 16, 1915.

Reg. No. 295,412. Registered June 28, 1932. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

DORIC

FOR NEGLIGEE SHIRTS.
Claims use since about 1910.

Reg. No. 295,643. Registered Aug. 22, 1933. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Mansco

FOR KNIT UNDERWEAR AND CUT AND SEWN UNDERWEAR, AS FOLLOWS: SHIRTS, DRAWERS, AND UNION SUITS; ATHLETIC DRAWERS, ALSO KNOWN AS RUNNING PANTS OR TRACK PANTS; SPORT SHIRTS AND NEGLIGEE SHIRTS, PAJAMAS, SWEATERS, BATHING SUITS, SURFSUITS, SWIMSHIRTS, SWIMSHORTS, AND SWIMPANTS.
Claims use since June 16, 1915.

Reg. No. 324,851. Registered June 4, 1935. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

YOUNG COSMOPOLITANS

FOR JUNIOR DRESSES, COATS, SPORT AND TAILORED SUITS, SWEATERS; SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR A COMBINATION OF THESE MATERIALS; AND BLOUSES AND HATS FOR LADIES AND GIRLS.
Claims use since Jan. 10, 1935.

Reg. No. 328,873. Registered Oct. 8, 1935. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Mansco

FOR HANDKERCHIEFS.
Claims use since May 17, 1935.

Reg. No. 345,820. Registered May 11, 1937. ARTHUR A. WILLIAMS, Holliston, Mass. Republished by registrant.

DRESSTEEL

FOR LEATHER BOOTS AND SHOES.
Claims use since Jan. 3, 1936.

Reg. No. 361,498. Registered Oct. 18, 1938. NEPTUNE MFG. CO., Louisville, Ky. Republished by Frank Bros.-Neptune Mfg. Co., Louisville, Ky., a corporation of Kentucky.

THE Twinster

FOR MEN'S AND BOYS' OVERCOATS AND TOPCOATS.
Claims use since Mar. 5, 1938.

Reg. No. 367,083. Registered May 9, 1939. MAVEST, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Mavest

FOR MEN'S, WOMEN'S, AND CHILDREN'S WEAR—NAMELY, COATS, SUITS, SWEATERS, JACKETS,

BLOUSES, SLACKS, HATS, CAPS, SCARFS, NECKTIES; GLOVES OF LEATHER, RUBBER, AND FABRIC; SPORTS, SKI, AND SNOW WEAR—NAMELY, COATS, RAINCOATS, SUITS, SWEATERS, JACKETS, SKIRTS, BLOUSES, SHIRTS, GLOVES, SCARFS, NECKTIES, AND HATS AND CAPS; AND PLAY AND BEACH SUITS.
Claims use since June 6, 1938.

Reg. No. 402,523. Registered July 27, 1943. TRICAMP CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant, present address Lawrence, Mass.



The drawing is lined for blue and red.
FOR HOSIERY.
Claims use since about May 1, 1940.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 229,078. Registered June 21, 1927. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Best & Co.

FOR FITTED SEWING BASKETS AND KITS; AND NURSERY BASKETS COMPRISING A SOAP BOX, POWDER BOX, AND COMB OF HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF; AND A BRUSH BACKED WITH HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF; AND A PIN-CUSHION; AND TRAVELING SETS COMPRISING COMBS, TOOTHBRUSH HOLDERS, AND SOAP BOXES OF HARD RUBBER, CELLULOID, SHELL, BONE, VULCANITE, ENAMEL, OR COMBINATIONS THEREOF, AND BRUSHES BACKED WITH SUCH MATERIAL; AND BOTTLES FOR PERFUME.
Claims use since 1879.

Reg. No. 262,984. Registered Oct. 29, 1929. DU PONT VISCOLOID COMPANY, New York, N. Y. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

Lucite

FOR COMBS.
Claims use since June 6, 1928.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 26,893. Registered Aug. 6, 1895. JOHN S. BROWN & CO., Belfast, Ireland, and New York, N. Y. Republished by John S. Brown & Sons Limited, Belfast, Northern Ireland, a corporation organized under the laws of Great Britain and Northern Ireland.



SHAMROCK
FOR HOUSEHOLD AND TABLE LINEN, CAMBRIC HANDKERCHIEFS, LINEN PIECE GOODS, LINEN DRESS GOODS, LINEN EMBROIDERY, AND LINEN LININGS.
Claims use since on or about 1861.

Reg. No. 235,092. Registered Nov. 8, 1927. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR SILK CARRIAGE STRAPS, TEXTILE KNITTED WARMERS FOR BOTTLES, BEDSPREADS, TEXTILE BLANKETS, SHEETS, WASH CLOTHS, CASES; SLIPS AND SHAMS FOR PILLOWS; TEXTILE TOWELS, AFGHANS, SILKY SPONGES FOR USE AS WASH CLOTHS, TEXTILE CRIB SHIELDS, DIAPERS, AND RUGS.
Claims use since 1879.

Reg. No. 259,620. Registered Aug. 6, 1929. WARE SHOALS MANUFACTURING COMPA,NY, Ware Shoals, S. C., and New York, N. Y. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

BLUE SQUARE

FOR COTTON SHEETS, COTTON PILLOWCASES, COTTON HANDKERCHIEFS, COTTON DIAPERS, AND COTTON DIAPER CLOTH.
Claims use since July 23, 1928.

Reg. No. 373,194. Registered Nov. 28, 1939. BEST & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LILIPUTIAN PRINT

The word "Print" is disclaimed apart from the mark as shown.
FOR HIGH CHAIR PADS, CRIB PADS, PLAY YARD PADS, WEIGHING SCALE PADS, LAP PADS, BEDSPREADS, QUILTS, CARRIAGE COVERS MADE OF KNITTED, NETTED, TEXTILE, OR RUBBERIZED FABRIC.
Claims use since June 24, 1939.

Reg. No. 423,469. Registered Sept. 3, 1946. A. STEINAM COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

WULLY GAB

The term "Wully" is disclaimed apart from the mark as shown.
FOR PIECE GOODS OF WOOL, WOOL AND COTTON, AND WOOL AND RAYON.
Claims use since June 27, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 421,213. Registered May 21, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Veralin, Inc., Chicago, Ill., a corporation of Illinois.

TABU

FOR TAMPONS.
Claims use since Oct. 15, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 64,655. Registered Aug. 20, 1907. THE APOLLINARIS COMPANY, LIMITED, London, England, a joint stock company organized under the laws of Great Britain. Republished by registrant.



FOR MINERAL WATER.
Claims use since February 1874.

Reg. No. 260,528. Registered Aug. 27, 1929. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES—NAMELY, GRAPE JUICE, GINGER ALE, APPLE CIDER, AND ORANGE JUICE.
Claims use since May 2, 1912.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 74,950. Registered Aug. 24, 1909. J. A. FOLGER & COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

ENSIGN

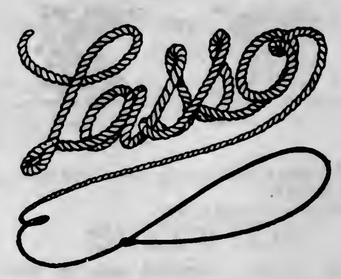
FOR ROASTED COFFEE.
Claims use since 1897.

Reg. No. 250,583. Registered Dec. 11, 1928. THE HARRIS & FILLER CO., Frederick, Md. Republished by Harris & Filler, Inc., Frederick, Md., a corporation of Maryland.

COUNTRY SIDE

FOR CANNED VEGETABLES.
Claims use since July 25, 1928.

Reg. No. 259,466. Registered July 30, 1929. WILLIAM G. ROE, Winter Haven, Fla. Republished by William G. Roe & Sons, Winter Haven, Fla., a partnership.



FOR FRESH CITRUS FRUITS.
Claims use since Mar. 6, 1929.

Reg. No. 260,286. Registered Aug. 20, 1929. THE LIBERTY CHERRY & FRUIT CO., INC., Covington, Ky., a corporation of Kentucky. Republished by registrant.

PINEAPPLE "TWINS"

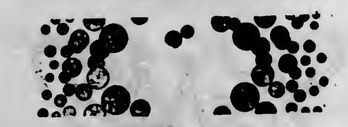
The word "Pineapple" is disclaimed apart from the mark as shown.
FOR CANNED OR GLACÉ PINEAPPLE.
Claims use since June 1927.

Reg. No. 260,528. Registered Aug. 27, 1929. THE H. D. LEE MERCANTILE COMPANY, Salina, Kans., and Kansas City, Mo. Republished by The H. D. Lee Company, Incorporated, Kansas City, Mo., a corporation of Kansas.

Lee

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES—NAMELY, GRAPE JUICE, GINGER ALE, APPLE CIDER, AND ORANGE JUICE.
Claims use since May 2, 1912.

Reg. No. 261,941. Registered Sept. 24, 1929. CONTINENTAL BAKING COMPANY, Wilmington, Del., and New York, N. Y., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



The drawing is lined for red, yellow, and blue colors.
FOR BREAD.
Claims use since May 1, 1921.

Reg. No. 269,861. Registered Apr. 22, 1930. THE BARTELDES SEED COMPANY, Lawrence, Kans., a corporation of Colorado. Republished by registrant.



The words "Tender Nutritious Tasty" are disclaimed apart from the mark as shown.
FOR POPCORN IN ITS NATURAL STATE.
Claims use since Dec. 6, 1929.

Reg. No. 378,762. Registered June 18, 1940. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Feb. 23, 1917.

Reg. No. 378,763. Registered June 18, 1940. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since August 1902.

Reg. No. 378,933. Registered June 25, 1940. DISTRIBUTORS TRUCKING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since March 1913.

Reg. No. 393,933. Registered Mar. 10, 1942. MOORMAN MANUFACTURING COMPANY, Quincy, Ill., a corporation of Illinois. Republished by registrant.

Moor Man's

FOR FEED CONCENTRATES AND MINERAL FEEDS FOR USE AS A FEED SUPPLEMENT FOR POULTRY AND LIVESTOCK.
Claims use since 1919.

Reg. No. 430,590. Registered June 17, 1947. HALF MOON FRUIT & PRODUCE CO., San Francisco, Calif., a partnership. Republished by registrant.

Melo-glow

The term "Melo" is disclaimed apart from the mark as shown.
FOR PERSIAN, CASABA AND HONEYDEW FRESH MELONS.
Claims use since July 20, 1922.

Reg. No. 442,860. Registered June 7, 1949. SMYRNA IMPORTS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Products" is disclaimed apart from the mark as shown.
FOR DATES.
Claims use since June 1, 1926.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 373,203. Registered Nov. 28, 1939. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



The outline of the label, and all the wording except "Hiram Walker's," "Canadian Club," and applicant's name are disclaimed apart from the mark as shown. The drawing is lined for red, gold, and black.
FOR ANISETTE.
Claims use since on or about September 1937.

Reg. No. 376,909. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



The drawing is lined for black, gold, red, and green. The representation of a label per se is disclaimed apart from the mark as shown. All the wording except "Hiram Walker's," "Canadian Club," and applicant's name is also disclaimed from the mark as shown.
FOR LIQUEUR.
Claims use since on or about August 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 253,986. Registered Mar. 12, 1929. STEDFAST RUBBER COMPANY, Mattapan, Mass. Republished by Stedfast Rubber Co. Inc., Mattapan, Mass., a corporation of Massachusetts.

SUEDSTED

FOR ARTIFICIAL LEATHER.
Claims use since June 2, 1928.

Reg. No. 262,504. Registered Oct. 15, 1929. STEDFAST RUBBER COMPANY, Mattapan, Mass. Republished by Stedfast Rubber Company, Inc., Mattapan, Mass., a corporation of Massachusetts.

KAFSTED

FOR ARTIFICIAL LEATHER.
Claims use since January 1929.

REISSUES

OCTOBER 18, 1949

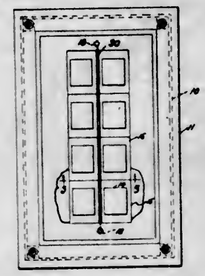
23,156
PANEL BOARD

William Robertson and Louis W. Higgins, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Original No. 2,428,322, dated September 30, 1947, Serial No. 553,301, September 9, 1944. Application for reissue January 28, 1948, Serial No. 4,806

11 Claims. (Cl. 175—308)

1. A panelboard comprising a box, having a back and ends, and switching devices arranged back to back in two rows which are side by side and centrally disposed therein, and a thin mounting plate perpendicular to the back and ends of the box, the plate being between and on which are mounted the two rows of devices, the mounting means comprising front manipulable formations on the backs of the devices cooperating with formations of the plate, and front manipulable means movably mounted on the plate for locking the devices against removal from the plate, the



means engaging the formations and also filling and trimming the space between the rows of devices.

PLANT PATENTS

GRANTED OCTOBER 18, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

881
EUONYMUS FORTUNEI PLANT

Clifford D. Corliss, Magnolia, Mass., assignor to Corliss Bros. Inc., Gloucester, Mass., a corporation of Massachusetts

Application December 19, 1947, Serial No. 792,707

1 Claim. (Cl. 47—59)

A new and distinct horticultural variety of *Euonymus fortunei* plant herein shown and described and characterized particularly by its erectness and shapeliness of shrub growth in the absence of support; its vigorous, sturdy and bushy habit of growth in forming from one central stem, a neatly rounded evergreen bush; its large, thick and glossy leaves; its hardiness and resistance to diseases; ability to stand dry conditions, and the absence of any showing of winter burn.

882
CARNATION PLANT

Emil Prushek, Niles, Mich., assignor to The R. M. Kellogg Company, Three Rivers, Mich., a corporation of Michigan

Application May 16, 1947, Serial No. 748,383

1 Claim. (Cl. 47—60)

A new and distinct variety of carnation plant characterized as to novelty by the hardy, vigorous, and compact habit of growth, its good production of side branches, its production of well-spaced flowers on stiff stems of good cut-flower length that stand up under garden conditions, the absence of splitting of the calyx, and the pink blushing color of the flowers, substantially as shown and described.

823
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor, by mesne assignments, to Elden Pinkney Dering, doing business as Petersen & Dering, Scappoose, Oreg.
Application March 22, 1948, Serial No. 16,590
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its vigorous habit of growth to from five to seven feet; production of long flower stems relatively free of thorns, and glossy foliage of large size; flower buds of relatively great length appropriate for cut flower utility, and a color in bud and flower distinct from any other known variety, substantially as shown and described.

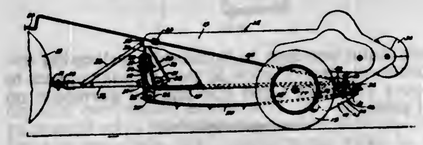
824
PYRACANTHA PLANT
Kosaku Sawada, Crichton Station, Ala., assignor, by mesne assignments, to Overlook Nurseries, a corporation of Alabama
Application August 7, 1948, Serial No. 43,131
1 Claim. (Cl. 47—60)

The new and distinct variety of *Pyracantha koidzumii* plant shown and described, characterized by its dwarf globular growth, its distinctive foliation and absence of thorns.

PATENTS

GRANTED OCTOBER 18, 1949

2,484,800
FERTILIZER SPREADER
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 19, 1945, Serial No. 583,455
13 Claims. (Cl. 275—5)



1. A manure spreader construction comprising a wheel supported body having a substantially horizontal bottom and vertical side walls, an open rear end and a front end including an upwardly extending end wall to provide a liquid-tight construction at that end, a conveyor extending over the bottom and upwardly over said end wall, said conveyor adapted to be operated in a rearward direction along the inside of the bottom and having a return portion beneath the bottom, a liquid-receiving container positioned below the bottom and extending beyond the rear end thereof whereby liquid material draining from said bottom is received by the container, said container being pivoted on the spreader body, and means to maintain the container in liquid-receiving position and to tilt the same into a liquid-discharging position.

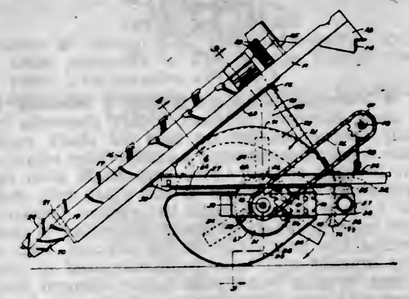
2,484,801
CENTERING DEVICE
Olaf V. Anderson, Providence, R. I.
Application July 1, 1944, Serial No. 543,068
1 Claim. (Cl. 33—189)



A centering bar construction for a lathe, comprising a rod member having a centering cone at one end and a longitudinal bore in the other end, said bore end having a longitudinal wall slot, a second member having a centering recess in one end and having the other end slidably seated in said bore, a compression spring in said bore normally urging the members into overall length extending relation, pin means positioned in said wall slot and seated in the slidable end of the second member, whereby said members have relative movement corresponding to the movement of the pin means in the wall slot, and a sleeve secured to the second member and slidable over the other member and extending over said wall slot.

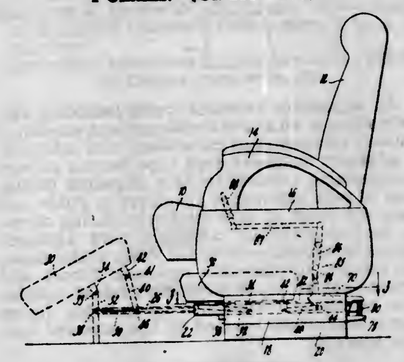
2,484,802
STALK SHREDDING DEVICE
John L. Aasland, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 4, 1944, Serial No. 566,443
17 Claims. (Cl. 56—60)

1. A corn stalk shredding attachment for a corn picker of the type having a frame structure and inclined snapping rolls for removing ears of corn from standing stalks and passing the stalks downwardly therebetween, comprising a shredder frame adapted to be connected to the frame structure of the picker, a shredder unit rotatably



mounted on said shredder frame and positioned beneath the snapping rolls in a manner to receive substantially vertically positioned stalks, and a shredding concave positioned in cooperating relationship with respect to the shredder unit.

2,484,803
RETRACTILE LEG REST
Alfred B. Bell, Philadelphia, Pa., and Wilford Staveley, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application September 29, 1945, Serial No. 619,388
4 Claims. (Cl. 155—170)



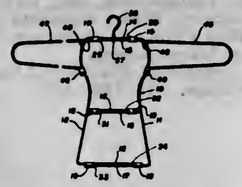
2. A chair having a seat, a pair of rails mounted beneath said seat and extending from front to rear, elongated slides supported by and slidable on said rails, a leg rest mounted on said slides and movable thereon from a lowered horizontal to an elevated inclined position, a linkage connecting said leg rest and said slides, a spring connected to said linkage to maintain said leg rest yieldingly in either of said positions, spring means tending to move said slides and leg rest forward, and a manually releasable latch for holding said leg rest in a rearward position under said seat.

2,484,804
VENETIAN BLIND SLAT TILTING MECHANISM
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y.
Application October 8, 1948, Serial No. 53,471
6 Claims. (Cl. 160—176)



1. A Venetian blind comprising a headbox, a tilt shaft mounted thereon, rocker elements in axially spaced relation on said tilt shaft, each rocker element comprising a ladder tape attachment bracket spaced above said shaft with its longitudinal axis parallel to the shaft axis, end walls formed integral with the rocker element, bowed wing members hingedly connected to and spanning the end walls of the bracket, and a pulley bracket and tape guide mounted in the headbox directly below said rocker element and formed with opposed upwardly and inwardly bent legs, said legs forming a spacer and guide over which the ladder tape slides as the tilt shaft is tilted.

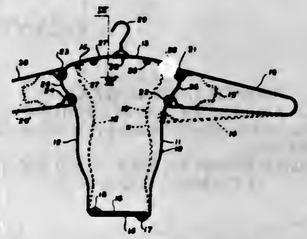
2,484,805
GARMENT BLOCKER
Carl B. Albert, Milwaukee, Wis.
Application December 12, 1945, Serial No. 634,431
15 Claims. (Cl. 223—69)



1. An adjustable garment frame including relatively slidable adjacent members, and combined guide and retainer clips associated with said slidable adjacent members, said clips having pre-set non-adjustable integral friction engaging prongs on one of said last named members to guide and engage the other of said relatively sliding members, to automatically maintain said adjacent members in slidable alignment when under manually exerted displaceable opposing forces and to retain said adjacent members against relative sliding movement responsive to opposing forces of lesser magnitude exerted by the garment sustained thereon.

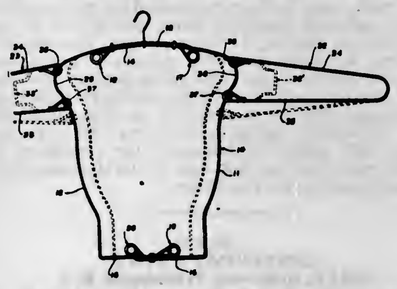
2,484,806
GARMENT BLOCKER
Kenneth R. Larson, Des Plaines, and John G. Bilz, Niles, Ill., assignors to Carl B. Albert, Milwaukee, Wis.
Application February 23, 1946, Serial No. 649,487
16 Claims. (Cl. 223—69)

1. In a device of the character described, the combination with a garment form having relatively slidable overlapping curved portions for defining adjustable interior shapes of garments to be sized thereon, and straight elongated tubular means frictionally associated with said garment form overlapping curved portions to slidably and resiliently retain said garment form



overlapping portions in adjusted overlapping extensible relation relative to said tubular means to support variously sized and shaped garments on said form.

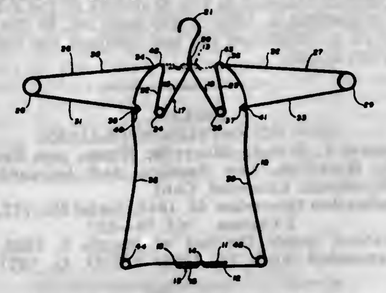
2,484,807
GARMENT BLOCKER
Kenneth R. Larson, Des Plaines, and John G. Bilz, Niles, Ill., assignors to Carl B. Albert, Milwaukee, Wis.
Application February 23, 1946, Serial No. 649,486
18 Claims. (Cl. 223—69)



1. In a device of the character described, the combination with a garment form having relatively slidable overlapping portions for defining adjustable interior shapes of garments to be sized thereon, and pre-set non-adjustable friction clutching means associated with each of said garment form overlapping portions to slidably guide and resiliently retain the other of said garment form overlapping portions in adjusted overlapping extensible relation relative thereto to support variously sized and shaped garments on said form, said friction clutching means being effective to permit relative sliding of said overlapping frame portions responsive to exerting relative sliding displacement thereof to manually change the frame size and to retain said overlapping frame portions against relative slidable displacement responsive to the force exerted by the garment thereon, whereby frame size adjustment may be effected without manipulation of said friction clutch means.

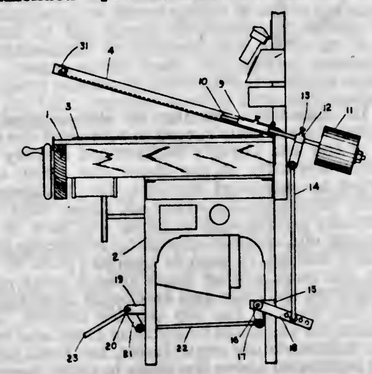
2,484,808
GARMENT BLOCKER
James D. Coney, Chicago, Ill., and Carl B. Albert, Milwaukee, Wis.; said Coney assignor to said Albert
Application December 12, 1945, Serial No. 634,429
4 Claims. (Cl. 223—69)

4. In a device for clamping overlapping extensible wires or the like comprising a garment form, one of said extensible wires having a convoluted eyelet therein to slidably receive the other of said overlapping wires, and an adjustable hook



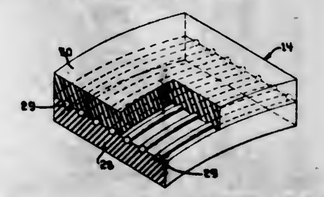
on said convoluted eyelet wire for springing engagement with said slidably guided wire to functionally maintain said overlapping wires in adjusted relation.

2,484,809
COPY TABLE ASSEMBLY
Gerald D. Austin, Atlanta, Ga., and Michael Wishnovsky, Yeadon, Pa.
Application June 3, 1946, Serial No. 674,006
2 Claims. (Cl. 38—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



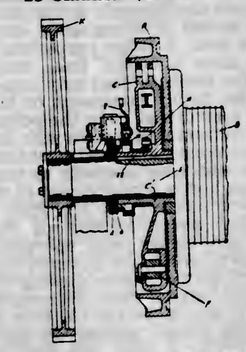
1. A copy table assembly comprising a table, a horizontally disposed work supporting plaque extending above the surface of said table, work holding means comprising a frame having vertical sides and a horizontal flange on the lower edges of said sides, said vertical sides having a greater height than the vertical height of said plaque above said table, a plate of transparent material loosely mounted on said horizontal flange within said sides for free vertical movement, said plaque having a greater vertical height than said horizontal flange, means for raising and lowering said frame between a down position wherein said lower flanged edge rests upon the table surface and a raised position with said frame spaced above the plaque, said frame receiving and encircling said plaque in the down position with the plaque projecting through said frame and supporting said transparent plate thereon independent of said frame in cooperation to hold a sheet flat on said plaque, said plate being supported by said horizontal flange on the lower edge of said frame in the raised position of said frame, said means for raising and lowering said frame comprising arms mounted on opposite ends and extending rearwardly from and in the plane of said frame, a counterweight mounted on said arms to the rear of said frame adjustable between the extremities thereof and said frame for normally moving and holding the frame in raised position, and manually operated means for lowering said frame to plaque encircling position against the operation of said counterweights.

2,484,810
SPINNING APRON
Henry M. Bacon and Joseph Rockoff, Dayton, Ohio, assignors to The Dayton Rubber Company, a corporation of Ohio
Application September 8, 1945, Serial No. 615,138
3 Claims. (Cl. 19—131)



1. A draft apron for textile units consisting of an inner wear-resistant roller contacting layer of a tough black rubber composition having carbon black incorporated therein as a reinforcing material, an outer fiber contacting layer of a soft rubber composition free from carbon black and relatively softer than said inner layer, and a layer of nylon cords substantially parallelly arranged along the longitudinal axis of the apron embedded between the inner and outer layers of said apron.

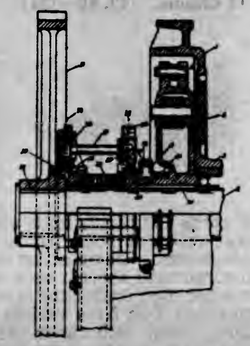
2,484,811
BOOSTER CLUTCH MECHANISM
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application November 7, 1944, Serial No. 562,313
15 Claims. (Cl. 192—36)



1. In a machine of the class described, in combination, a power driving element, a member to be driven thereby, clutch mechanism for drivingly connecting said member to said element including clutch shifting parts and their mounting connected to and continuously driven by said element, manual means for actuating said clutch parts, live connections between said manual means and said clutch parts for actuating the latter and through which the operator maintains

the feel of the clutch loading to the driven member at all times until the clutch is fully engaged, and instrumentalities operable by the manual means and cooperating with the said live connections to act on the constantly driven clutch parts to cause the same to supplement the manual force applied to the clutch shifting means with clutch applying force greater than that impressed manually upon the said manual means.

2,484,812
POWER ENERGIZING CLUTCH MECHANISM
Raymond A. Beckwith, Milwaukee, Wis., assignor to Kearney Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 15, 1944, Serial No. 563,547
3 Claims. (Cl. 192—32)

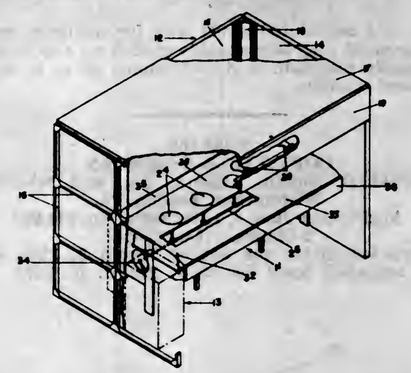


1. In a machine of the class described, in combination, a power driving element, a member to be driven thereby, clutch mechanism for drivingly connecting said member to said element including clutch shifting parts and their mounting connected to and continuously driven by said element, manual means for actuating said clutch parts, live connections between said manual means and said clutch parts for actuating the latter and through which the operator maintains the feel of the clutch loading to the driven member at all times, including a first rotating gear connected to the continuously driven clutch shifting parts, a second gear engaging and rotating with the first gear, a beam supporting the second gear to move it bodily, links connected to the ends of the beam to floatingly support same in effecting the bodily movement of the second gear, a third gear driven from the power driving element and connected to rotate with the second gear above mentioned, and instrumentalities connected to the said beam operable by the manual means to cause bodily displacement of the rotating second gear relatively to the third gear for effecting initial clutch loading of the clutch mechanism, and means also operable by the manual means to utilize the power of the driving element to act on the clutch shifting devices to supplement the manual force impressed on said manual means and move the beam to maintain the feel of the clutch loading on the manual means.

2,484,813
SPUN SUTURE
John O. Bower, Wyncote, Pa.
No Drawing. Application June 6, 1945, Serial No. 597,949
13 Claims. (Cl. 128—335.5)

1. In a process for the manufacture of a surgical suture from animal blood, which process includes extruding a solution of red blood residue into a setting bath and treating the strand so formed with an aldehyde, the step of effecting a controlled increase in the flexibility of the suture by subjecting it, after it has been set, to the action of a sulfonated oil, and limiting the extent of such action.

2,484,814
SHIP RECOGNITION TRAINER
Thomas F. Broady, Maryville, Tenn., and Robert C. Heerdink, Los Angeles, and Leonard C. Marcheski, Lynwood, Calif.
Application December 20, 1946, Serial No. 717,365
3 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

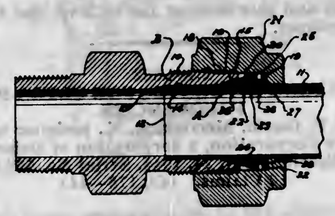


1. In apparatus for use in ship-recognition training, a stage constructed to represent the surface of the sea, upright background scenery extending upwardly of the stage and being constructed to represent the sky, the background scenery enclosing the stage on three sides and comprising a back section along the back of the stage and end sections extending forwardly from the back section at each of opposite ends of the stage, the back section being spaced away rearwardly from the stage and extending downwardly from the level of the top surface thereof, illumination for the stage comprising front and back lights independently controllable, the front lights being positioned above the stage to shine down on the top surface thereof, the back lights being positioned below the level of the stage in position to shine upwardly through the space between the stage and the back section of the background scenery, bearing-circle discs distributed over the area of the stage and positioned each to support a model ship at the level of the top surface of the stage, and mechanism operable to rotate the discs in synchronism.

2,484,815
TUBE COUPLING
Cullen B. Crawford, Cleveland, Ohio, assignor to Crawford Fitting Company, Shaker Heights, Ohio, a corporation of Ohio
Application August 15, 1947, Serial No. 768,798
3 Claims. (Cl. 285—122)

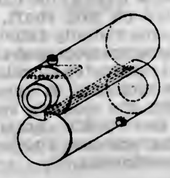
1. A coupling assembly for a tube end comprising: a tubular coupling body adapted to receive a tube end and having an internal shoulder against which the tube end is adapted to abut, the internal bore of said body extending outwardly from said shoulder being cylindrical

through a portion of its length and terminating in a frusto-conical flared mouth; a sleeve adapted to fit slidably upon the tube and having the form of a cylindrically hollow, right circular conical frustum, the sleeve's tapered external surface having an axial length greater than the axial length of the flared mouth and having an included conical angle approximately 10° less than that of the included conical angle of the flared mouth, the apicad portion of the tapered surface having a convex curvature and being adapted to seat in said mouth adjacent to but spaced apart from the smaller end of said mouth in initial non-



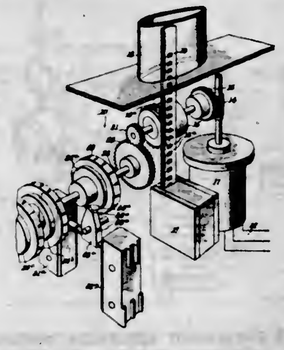
pressure contact at a point between one-third and one-fifth along the length of the flared mouth; and a coupling nut adapted to fit slidably over the tube and having an abutting shoulder therewithin adapted to engage the base of the sleeve, said nut being adapted to engage said coupling body for urging the sleeve axially along the tube into the flared mouth to swage the apicad portion of the sleeve through said mouth and simultaneously to contract said sleeve on to the tube progressively from the apicad portion of the sleeve toward its trailing end without cutting into the tube, thereby causing tube wall material to flow forwardly of the sleeve.

2,484,816
LIQUID COOLED MUFFLER WITH PLURAL EXPANSION CHAMBERS
Fred J. Culbert, Norfolk, Va.
Application May 28, 1947, Serial No. 751,004
12 Claims. (Cl. 181—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



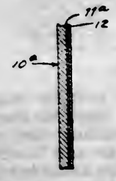
1. A water cooled muffler for the exhaust gases of an internal combustion engine comprising an assemblage of elongated chambers juxtapositioned with exterior walls of adjacent chambers in contact with each other, certain of said cylinders being vertically disposed with respect to others of said chambers, the said assemblage including at least one gas inlet chamber, at least one gas outlet chamber, at least one gas inlet in each inlet chamber, at least one water inlet in each inlet chamber, a deflecting plate secured in each inlet chamber below each water inlet and above each gas inlet for spreading the incoming water in a sheet transverse to the flow of the incoming gas, at least one exhaust outlet in each outlet chamber and walled conduit means for communication between said chambers.

2,484,817
ANTENNA FOR AIRCRAFT
James Keller De Armond, Arlington, Va.
Application December 15, 1942, Serial No. 469,079
4 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



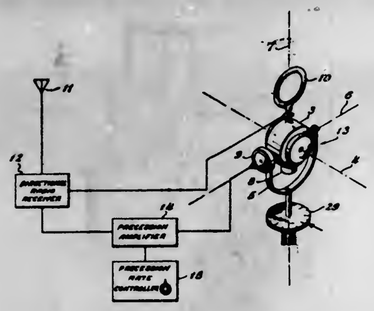
3. In combination, an all metal aircraft fuselage, a rigid antenna rod mounted for reciprocation inwardly and outwardly of said fuselage, a hollow-fixed housing positioned exteriorly of the fuselage in alignment with the path of movement of said rod and into and from which it may be protracted and retracted, and means under the control of the pilot to regulate and determine the protracted or retracted positions of the rod with respect to said housing and the fuselage.

2,484,818
LIGHT POLARIZING MIRROR
John F. Dreyer, Cincinnati, Ohio, assignor to The General Polarizing Company, Cincinnati, Ohio, a corporation of Ohio
Application December 9, 1944, Serial No. 567,350
3 Claims. (Cl. 88—65)



1. A light-polarizing mirror unit comprising a transparent protective facing; a solid, amorphous, optically-smooth dichroic film serving as a light reflector disposed at the back of said facing and having its surface molecules oriented along parallel lines, said optically-smooth dichroic film having the property of reflecting light incident thereon and also having the property of plane-polarizing the light so reflected, the reflected light being plane polarized by virtue of the oriented dichroic molecules, and the direction of the plane of polarization of the reflected polarized light depending on the direction of orientation of the molecules; and an opaque, non-reflecting backing for said film; the front and rear surfaces of said facing and film and the front surface of said backing being generally parallel one with another, and the front and rear surfaces of said facing being optically smooth.

2,484,819
RADIO NAVIGATION SYSTEM
Thomas M. Ferrill, Jr., Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 29, 1946, Serial No. 706,337
17 Claims. (Cl. 343—117)



1. Craft navigation apparatus comprising directional reference means, directional radio means, means to stabilize the orientation of said directional radio means relative to a transmitting source, integrating means to adjust the stabilized position of said directional radio means, and utilization means responsive to the resultant output of said directional reference means and said directional radio means to indicate the bearing of said transmitting source.

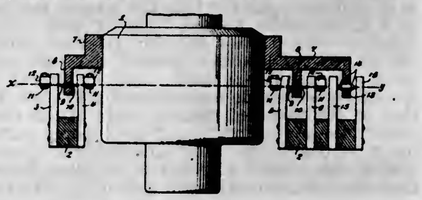
2,484,820
PLECTRUM OR PICK FOR MUSICAL INSTRUMENTS
Hyman Galetsky, Bronx, N. Y.
Application September 7, 1946, Serial No. 695,367
3 Claims. (Cl. 84—322)



1. A plectrum or pick for musical instruments having a grasping portion and a series of angularly spaced plucking tips provided by the formation of notches into the body portion, said body portion and tips being integral and in a single plane and said tips projecting from the same side of said body portion.

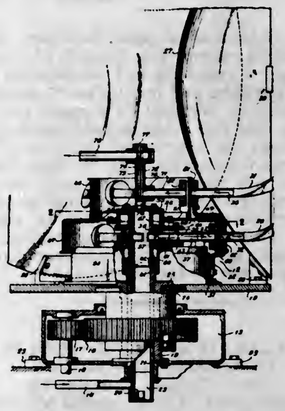
2,484,821
GIMBAL AND OTHER BEARINGS
Arthur Philip Glenny, Hanworth, England, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England
Application July 17, 1944, Serial No. 545,242
In Great Britain July 27, 1943
9 Claims. (Cl. 308—2)

1. A bearing for mounting a member for free oscillatory or pivotal movement about an axis in a supporting member, comprising a flexible small diameter element such as a wire, spaced tension means on one of said members supporting said wire in tension between said means, a bearing trunnion supported on the other of said members through which said wire freely extends to journal said first member for freedom about said axis, said wire and trunnion constituting the sole



support and sole bearing for at least one side of said member.

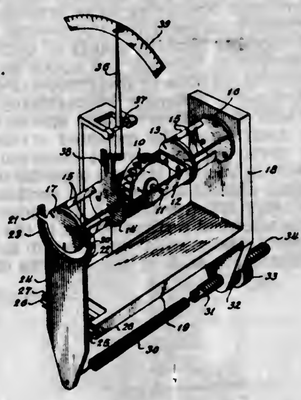
2,484,822
SWITCHING APPARATUS FOR ULTRA HIGH FREQUENCIES
Robert V. Gould, Merrick, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application April 24, 1944, Serial No. 532,556
10 Claims. (Cl. 178—44)



10. A transfer switch comprising, in combination, a stationary hollow shaft serving as a waveguide connection, a wave guide carrying member rotatably mounted on said shaft, a plurality of wave guide elements radially extending from said wave guide carrying member and electrically coupled thereto, and means for blocking and opening said wave guide elements in succession and in synchronism with the relative rotation of said shaft and said wave guide carrying member to transfer wave transmission successively through said wave guide elements.

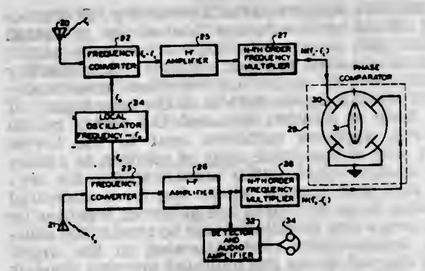
2,484,823
SPRING SUSPENSION FOR GYROSCOPES
Edmund B. Hammond, Jr., Floral Park, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 1, 1945, Serial No. 608,118
14 Claims. (Cl. 74—5.4)

7. An angular rate gyroscope having a base, a gimbal frame, supports on the base disposed on opposite sides of the gimbal frame in alignment with the axis of precession thereof, means disposed on opposite sides of the gimbal frame for rotationally supporting and yieldingly centralizing the same comprising a plurality of flat springs disposed under tension about the axis of precession and parallel thereto in equally spaced planes having the axis of precession as their common origin, one end of each spring being fixed to the



gimbal frame and the other to the adjacent support.

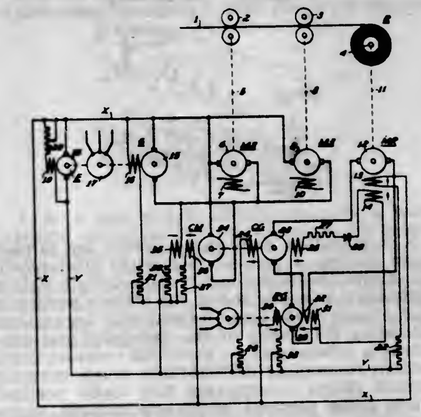
2,484,824
RADIO DIRECTION FINDING METHOD AND APPARATUS
Paul G. Hansel, Red Bank, N. J.
Application September 12, 1945, Serial No. 615,905
16 Claims. (Cl. 343—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of determining the direction of arrival of wave energy which comprises the step of deriving signals from said wave energy at more than one point in space, multiplying the phase difference between at least one pair of said derived signals, and indicating said direction as a function of the multiplied phase difference.

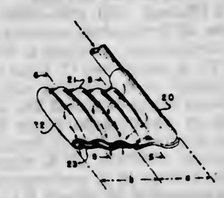
2,484,825
MOTOR CONTROL SYSTEM FOR CORE TYPE REEL DRIVES
Walter R. Harris, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1947, Serial No. 772,976
9 Claims. (Cl. 318—7)

1. A drive system for reeling material, comprising a speed-adjustable drive motor determining the linear speed of the material, an adjustable-voltage source connected to said motor for controlling said speed, a reel motor having an armature circuit and a field circuit, a control generator series connected in said armature circuit to impress variable voltage thereon, means for driving said control generator in dependence upon said speed, a regulating generator having an armature connected to said motor field circuit to provide variable excitation therefor and



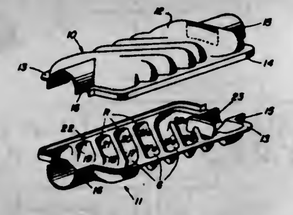
having control field means connected to said armature circuit so as to control said excitation in response to the current flowing in said armature circuit, whereby said motor is caused to maintain desired reeling effort regardless of changes in speed.

2,484,826
SILENCER WITH FLATTENED CORRUGATED GAS PASSAGE
Bertron G. Harley, Penn Yan, N. Y.
Application February 2, 1945, Serial No. 575,847
1 Claim. (Cl. 181—35)



A muffler comprising a pair of corrugated shells associated in complementary fashion to constitute a body portion forming between said shells a flat passage of undulating shape through which exhaust gases are adapted to pass at an angle relative to the ridges and valleys of the corrugations, said muffler thus presenting a pair of corrugated edge portions opposite to one another as well as a pair of comparatively straight edge portions opposite to one another and extending substantially at right angles to said corrugated edge portions, a gas inlet header at one end of said undulating path and substantially coextensive with said ridges, and a gas outlet header at the opposite end of said undulating path also substantially coextensive with said ridges, said inlet header having an inlet mouth at one of the corrugated edge portions, the outlet header having an outlet mouth at the other corrugated edge portion, whereby exhaust gas entering the muffler through the inlet mouth passes to the outlet mouth by way of a path angularly with respect to said ridges.

2,484,827
BAFFLE TYPE MUFFLER WITH CORRUGATED CASING
Bertrem G. Harley, Penn Yan, N. Y.
Application October 17, 1946, Serial No. 703,744
2 Claims. (Cl. 181—49)



1. A pulsation dampening device for exhaust gases having a general flow-path substantially longitudinally therethrough comprising a pair of companion pan-like shells, the bottom portion of each of said shells being formed with impressions extending diagonally of the flow-path and constituting substantially a wave-like cross-sectional pattern resembling corrugations which inwardly present ridges constituting flow baffle portions which baffle portions outwardly present corresponding grooves having corresponding outer cooling surfaces, the baffle portions of the one shell lying adjacent to and extending transversely of similar baffle portions of the other shell to constitute a dampening device when the two shells are assembled with their inner sides facing each other.

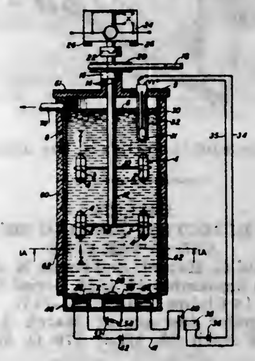
2,484,828
PRODUCTION OF CONTACT MATERIALS
John H. Hickey, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware
No Drawing. Application July 5, 1946, Serial No. 681,603
4 Claims. (Cl. 252—450)

2. A process of producing a catalytically active body which comprises reacting a bentonite clay at about 10° C. to about 40° C. with about 0.05 to about 0.15 pound of a mineral acid per pound of clay, said acid being of about 2% to about 15% concentration in water, separating the resultant solution from the clay, further reacting the clay with an aqueous solution of a mineral acid of about 5% to about 15% concentration in an amount corresponding to about 0.1 to about 0.6 pound of concentrated acid per pound of clay, at a temperature of about 80° C. to the boiling point of said solution, separating the resultant solution from the clay, washing the clay, and then drying it.

2,484,829
CRYSTAL GROWING APPARATUS
Alan N. Holden, New Vernon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1945, Serial No. 598,691
6 Claims. (Cl. 23—273)

1. The method of growing pyramidal capping upon the major faces of a Z-cut type ammonium dihydrogen phosphate crystal plate which consists in forming the pyramidal capping while depositing solute onto the crystal plate from a nutrient solution of ammonium dihydrogen phosphate in the presence of water-soluble sulphate present in the solution in sufficient amount to cause effective pyramidal capping of the crystal plate.

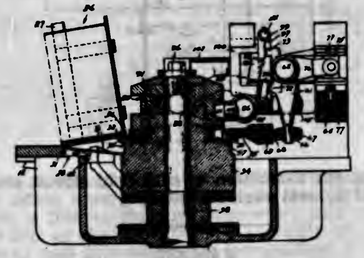
2. The method of growing a plurality of individually mounted crystals simultaneously in a single contained body of nutrient solution while simultaneously destroying loose crystals therein, which consists in revolving the several mounted crystals together simultaneously in bodily translation movement through the upper part of the single body of solution in their respective circular paths around a common substantially vertical central axis of rotation radially spaced inwardly entirely away from the mounted crystals, periodically revolving the several mounted crystals alternately in each of the two opposite directions of rotation around the common vertical axis of rotation, at a speed sufficient to produce simultaneously a central vertical vortex in the solution, for a substantially equal number of more than one revolution in each of the opposite directions



of rotation and periodically reversing 180 degrees the directions of effective flow of the saturated upper part of the solution with respect to the several mounted growing crystals, while thereby simultaneously gathering together loose undesired crystals in the region of the lowest part of the body of solution adjacent the vortex region therein, applying sufficient heat to the lowest part only of the single body of solution to render the solution substantially unsaturated in the lowest part only thereof where the loose undesired crystals to be destroyed are gathered together by the vortex and simultaneously to render the solution substantially supersaturated in the upper part thereof where the mounted growing crystals are revolving, and adding solute to the solution sufficient in amount to replenish the solute deposited from the solution onto the mounted growing crystals.

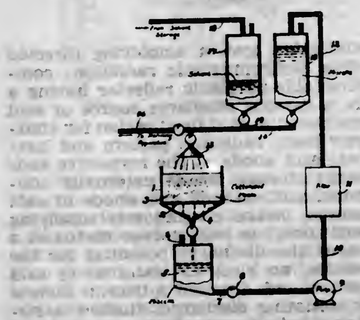
2,484,830
CAN AND COVER FEEDING MECHANISM
Felix Huntar, Livingston, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1946, Serial No. 699,129
7 Claims. (Cl. 113—114)

1. In a can end feeding mechanism, the combination of a magazine for retaining a stack of can ends, a separator element adjacent said magazine for separating the lowermost can end in the stack from the others for removal from said magazine, a stop member disposed adjacent said separator element and movable into engagement with the lowermost can end for holding it against separation from the stack under predetermined conditions, a normally stationary shift element connected with said stop member and movable for shifting said stop member into operative and inoperative positions, a pivotal mounting for said shift element, a pair of actuating protuberances on said shift element and disposed on opposite sides of said pivotal mounting, a hammer member disposed adjacent said shift element in spaced relation thereto for movement toward and away from said protuberances, means for constantly operating said hammer member, a pivotally mounted rocker arm disposed adjacent said shift



element and having movement normal to said shift element, and a pair of spaced fingers pivotally mounted on said rocker arm adjacent the protuberances on said shift element and interposable singly into the space between the adjacent protuberance and said hammer element upon movement of said rocker arm for effecting movement of said shift element in the proper direction by said hammer member.

2,484,831
PRODUCTION OF COTTONSEED MEAL
Ralph P. Hutchins, Piqua, and Walter H. Williamson, Indian Hill, Ohio, assignors to The Procter & Gamble Company, Ivorydale, Ohio, a corporation of Ohio
Application May 11, 1948, Serial No. 26,454
4 Claims. (Cl. 99—2)



1. The process of solvent extracting oil from cottonseed meats and of producing a substantially non-toxic, nutritious meal of bright yellow color comprising subjecting cottonseed meats containing less than 13 per cent moisture to the action of a single phase liquid solvent mixture essentially comprising methanol and an aliphatic hydrocarbon which is substantially completely volatilizable at a temperature below 220° F., and maintaining contact of meats with solvent until the free gossypol content of the meats is below 0.02 per cent, and thereafter separating solvent from the extracted meats at a temperature not substantially in excess of 220° F.

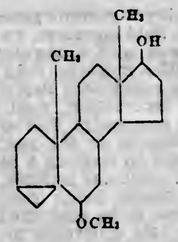
2,484,832
SHARP FREEZING CONTAINER
Harley Y. Jennings, Clio, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application November 5, 1942, Serial No. 464,641
2 Claims. (Cl. 62—108.5)



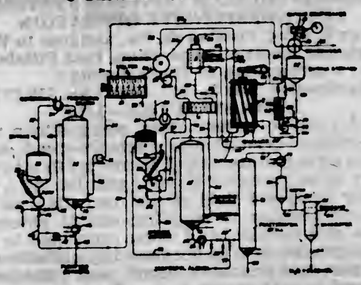
1. As a new article of manufacture, a sharp freezing container for substances to be frozen, and partitions for dividing the container into a plurality of ice cube molds, said partitions being formed of resilient, easily distortable rubber, the surface of which is a reaction product of rubber treated by immersion in a liquid mixture of sulphuric acid and glycerol.

2,484,833
6-ALKOXY-1-ANDROSTENE-17-OLS
Percy L. Julian, Maywood, John W. Cole, Chicago, Arthur Magnani, Wilmette, and Edwin W. Meyer, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 29, 1944, Serial No. 547,306
2 Claims. (Cl. 260—397.5)

1. As a product, 6-methoxy-1-androstene-17-ol of the formula



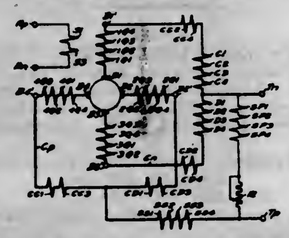
2,484,834
METHOD OF REFINING LIGHT OIL PRODUCTS
William O. Keeling, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application April 9, 1945, Serial No. 587,255
8 Claims. (Cl. 260—674)



1. A method of recovering benzene of a high degree of purity from impure benzene compris-

ing mixing impure benzene with a solvent in which the benzene and the impurities in the benzene are readily dissolved and which does not form an azeotrope with benzene, chilling the mixture to crystallize a major portion of the benzene while thoroughly stirring the mixture to produce fine grained crystals, separating the crystallized benzene from the mother liquor, melting and distilling the benzene to recover a purified benzene, adding a benzene azeotrope solvent to the mother liquor, distilling the mixture to separate a benzene azeotrope from impurities and treating the benzene azeotrope to separate a purified benzene therefrom.

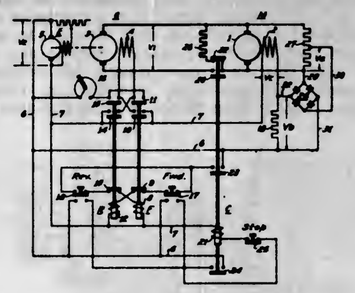
2,484,835
MULTIPOLE DIRECT-CURRENT GENERATOR
Albert W. Kimball, Pittsburgh, and William R. Harding, Export, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1945, Serial No. 607,440
15 Claims. (Cl. 322—92)



1. A rotary direct-current generator, comprising a multipole field structure, an armature having a commutator with a plurality of brushes of different polarities, multipole field exciting means for providing a component field of substantially balanced flux distribution, field control means for providing a component field so as to impose a controlled unbalance on the resultant flux distribution in order to produce a difference in potential between equipolar brushes, said multipole field exciting means being connected to said equipolar brushes to be controlled by unbalance current due to said difference in potential, and auxiliary windings disposed on said structure so as to counteract the opposing effect of armature reaction on said field control means, said auxiliary windings being connected to equipolar brushes so as to be excited by unbalance current due to said unbalance of flux distribution.

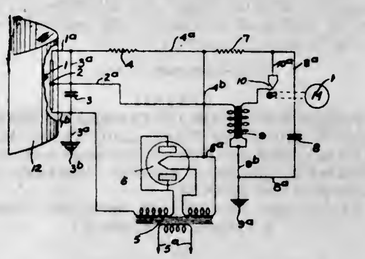
2,484,836
VARIABLE-VOLTAGE CONTROL SYSTEM OF LIMIT-RESPONSIVE OPERATION
George E. King, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 5, 1947, Serial No. 759,271
10 Claims. (Cl. 318—145)

1. A variable voltage drive, comprising a variable-voltage generator, a variable-speed motor having an armature circuit connected to said generator to be energized thereby and having a separately energized field circuit including an impedance member, a coupling circuit extending across said member and being connected to said armature circuit to be impressed by variable voltage from said armature circuit, and valve means disposed in said coupling circuit with such a polarity as to impress a voltage drop across said impedance member only when said variable voltage exceeds a given limit magnitude in order to then



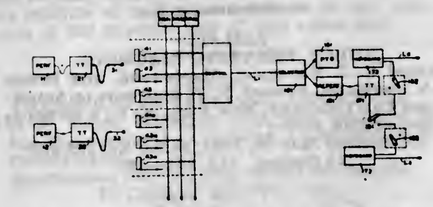
weaken the excitation of said field circuit under control by said variable voltage.

2,484,837
LIGHT SIGNALING MEANS
Burton G. Lake, Chula Vista, Calif.
Application June 27, 1938, Serial No. 216,182
1 Claim. (Cl. 250—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



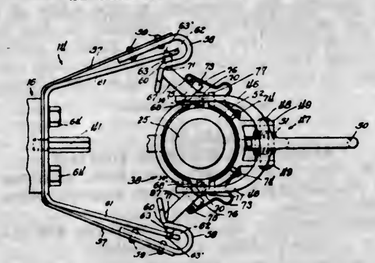
A communication system employing directed beam invisible electromagnetic radiation; comprising a directable parabolic reflector having a focal region, a gaseous discharge source of said radiation positioned in said focal region for emitting a narrow beam radiation pattern and having a cathode and anode at the respective ends thereof, energy storage means externally connected between said cathode and anode of said radiation source, means continuously supplying direct current energy to said storage means at a potential below the discharge potential for the radiation source, an electrode external to said radiation source and disposed adjacent thereto adapted for initiating discharges therein, a circuit including a switch controllable at will by an operator for encoding a message in said beam, said circuit being connected from said direct current energy supply to ground, electrical coupling means in said circuit connected to said electrode and adapted for applying substantially said direct current potential to the electrode when said switch is closed, and energy storage means parallel connected across said circuit for instantaneously increasing the current flow to the electrode and for preventing sufficient re-energization of said electrode to cause further initiation of said discharge for an interval, whereby multiple initiations of radiation from a single closure of the switch are prevented.

2,484,838
TELEGRAPH EXCHANGE SYSTEM
George G. Light, Kew Gardens, and William B. Blanton, Merrick, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 3, 1940, Serial No. 350,402
20 Claims. (Cl. 178—2)



1. A telegraph exchange system comprising a first office, a second office remote from said first office, a line or channel connecting said offices, said line or channel having a plurality of terminals at said first office and terminating in selective switching equipment at said second office, means at the first office for extending calls to said line or channel and means automatically controlled by the particular line terminal selected at said first office in switching through a call for directively controlling said selective switching equipment at said second office.

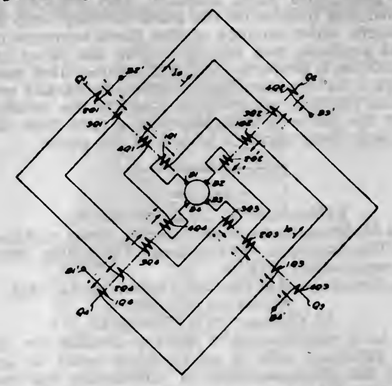
2,484,839
FUSE MOUNTING
Sigurd I. Lindell, Chicago, Ill., assignor to S & C Electric Company, a corporation of Delaware
Application April 22, 1946, Serial No. 663,833
21 Claims. (Cl. 200—114)



1. Separable contact means for interconnecting a fuse tube terminal and a power line terminal comprising, in combination, means providing a pair of opposed contact surfaces, support means carried by said fuse tube terminal on opposite sides thereof, and a pair of contact links carried by said support means for engaging said contact surfaces and said opposite sides of said fuse tube terminal to provide direct electrical connection therebetween.

2,484,840
ELECTRICAL MACHINE
Michael Liwschitz, Brooklyn, N. Y., and Albert W. Kimball, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1946, Serial No. 682,188
15 Claims. (Cl. 322—92)

1. A rotary direct-current generator, comprising a field structure with a plurality of poles; an armature having a commutator with a plurality of brushes; a primary circuit having control field windings disposed on a first group of said poles for inducing a voltage difference between a first group of said brushes; and a plurality of internally excited amplifying stages arranged in cascade relative to one another and including a first stage having an input circuit connected to said

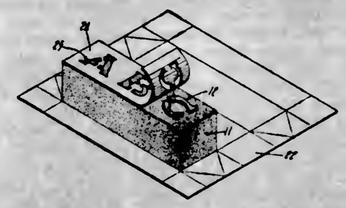


first group of brushes for exciting a second group of said poles so as to induce a voltage difference between a second group of said brushes, and a second stage having an input circuit connected to said second group of brushes for exciting a third group of said poles to produce a voltage difference between a third group of brushes; and a secondary circuit for providing load current under control by said latter voltage difference.

2,484,841
REDUCTION OF HYDROPEROXIDES
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 14, 1947, Serial No. 748,121
14 Claims. (Cl. 260—618)

1. The process of preparing an alcohol which comprises reducing an organic hydroperoxide with at least one material of the group consisting of alkali metal sulfides and alkaline earth metal sulfides.

2,484,842
PACKAGED PRODUCT AND METHOD OF PRODUCING THE SAME
Gordon H. McDonell, Elmhurst, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1946, Serial No. 641,391
1 Claim. (Cl. 99—174)



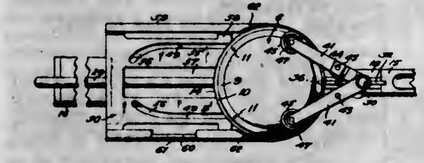
The method of packaging and identifying a comminuted meat product in a can, comprising placing a removable die plate having a product identifying indicia embossed thereon adjacent the

inner wall surface of an open empty can, said die plate being substantially unaffected when subjected to sterilizing heat, progressively stuffing a comminuted meat product into the open end of the can to fill the can and to press the product closely against said embossed die plate to conform the product surface to the face of the die plate and thus transfer and emboss the identifying indicia on the plate directly onto the adjacent outer surface of the filled comminuted meat product, and finally sealing the filled can to provide a protected molded comminuted meat product having identifying indicia integrally embossed thereon, whereby to identify the product after the same is withdrawn as a unit from the can and from contact with said die plate.

2,484,843
LUBRICANT COMPOSITION
John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 12, 1944, Serial No. 553,863
11 Claims. (Cl. 252—32.7)

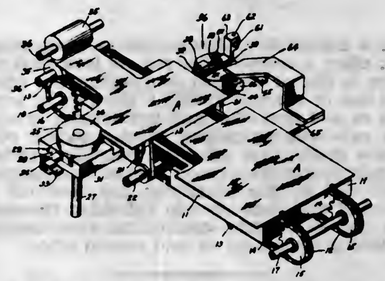
1. As a composition of matter suitable for use as a lubricant and as an addition agent to improve the characteristics of lubricating oils and greases, the reaction product of hydrogenated sperm oil hydrogenated to an iodine value of not over 40 with about 15 to 25% phosphorus pentasulfide, reacted at a temperature within the range of about 275 to 400° F. to form said reaction product.

2,484,844
MISSILE PROJECTOR
William Nicholas, Greenbelt, Md.
Application November 21, 1946, Serial No. 711,335
9 Claims. (Cl. 124—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



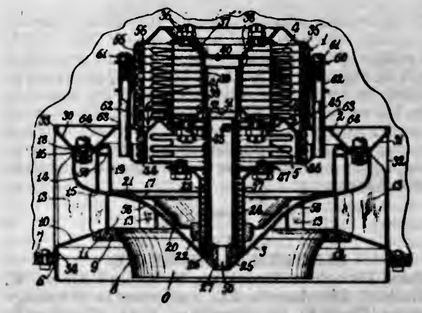
1. A projectile propelling mechanism for hurling a missile, comprising, a casing adapted for attachment to the muzzle end of a rifle and having a cylinder adapted to be placed in communication with the barrel bore of the rifle, a piston slidable in said cylinder, cylinder head means closing one end of said cylinder, a piston rod attached to said piston and slidable through said head, a supporting rod secured to the end of said piston rod externally of said cylinder, a pair of upper pusher arms pivoted on said supporting rod, a pair of lower pusher arms spaced from said upper arms and pivoted on said supporting rod, means connecting corresponding upper and lower pusher arms for pivotal movement as a unit, spring means biasing the arms of each pair toward one another, a launching base mounted adjacent and in fixed relation with said casing, there being spaced parallel guideways on said base at opposite sides thereof, a pair of symmetrically-arranged cam grooves on said base, each groove having a straight portion parallel with said guideways, the outer terminals of said grooves being curved toward each other, wheel members rotatably mounted on the ends of said pusher arms and adapted to engage a missile for moving the same between and along said guideways, and followers attached to each lower pusher arm, each follower riding in a respective one of said cam grooves, said wheel members being adapted to engage and propel the missile in response to propulsion of said piston in said cylinder.

2,484,845
SHEET TREATING MACHINE
Ronald E. J. Nordquist, Maplewood, and Bruno A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 24, 1945, Serial No. 595,612
10 Claims. (Cl. 271—59)



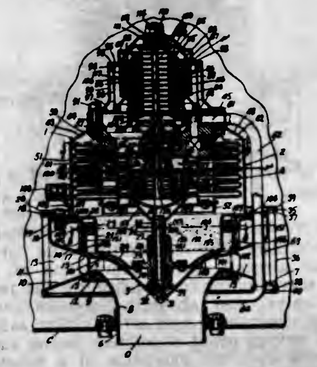
1. In a sheet gauging apparatus, the combination of means engageable with a rear edge of a sheet for continuously advancing it along a path of travel, a continuously rotatable gauge member located at one side of the path of travel of the sheet and having a radially projecting gauge element thereon for engaging a side edge of the sheet in a predetermined relation to the rear edge for locating the sheet in a gauged position, and means for continuously rotating said gauge member in time with the travel of the sheet.

2,484,846
PRESSURE CONTROL DEVICE
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application May 18, 1942, Serial No. 443,413
26 Claims. (Cl. 98—1.5)



1. A pressure control device comprising, in combination, a port, a valve seat surrounding said port, a valve member movable relative to said port and engageable with said valve seat, an evacuated bellows held at one end stationary relative to said valve seat and connected at its other end to a movable plate, a second bellows connected at one end to said movable plate and connected at its other end to said valve member, means operatively connecting said valve member to said plate for controlling relative movement therebetween, means for subjecting the exterior of both of said bellows to the pressures at one side of said valve seat, and means for subjecting the interior of said second bellows to the pressures at the opposite side of said valve seat.

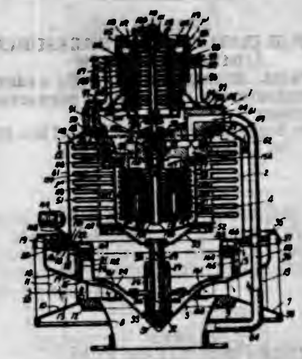
2,484,847
PRESSURE CONTROLLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 20, 1942, Serial No. 452,925
35 Claims. (Cl. 98—1.5)



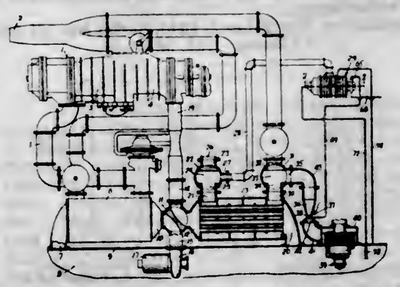
28. In a mechanism for controlling the air pressure in the passenger compartment of an aircraft, valve means movable to control the pressure to be controlled, an expansible chamber actuating means for said valve means including a movable wall hermetically sealing the spaces at its opposite sides from intercommunication, means for connecting the space at one side of said movable wall with a point outside of the compartment, a valve for controlling the flow of fluid through said connecting means, means for providing a continuous restricted communication between the space at said side of said movable wall and the compartment whose pressure is to be controlled, said restricted communication occurring past said valve and independently of any control by the latter, actuating means for said valve including an expansible chamber device including a movable wall having its opposite surfaces subjected respectively to compartment pressure and to the pressure outside the compartment, and means for connecting the space at the other side of said first mentioned movable wall with the interior of said passenger compartment.

2,484,848
PRESSURE CONTROLLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 14, 1942, Serial No. 468,938
44 Claims. (Cl. 98—1.5)

10. In a cabin pressure control mechanism, a cabin vent valve, an expansible chamber actuating device for said vent valve, and controlling means for said expansible chamber actuating device including a plurality of pilot valves each having a valve-chamber-providing means with which it cooperates, each of said valve-chamber-providing means including a valve seat having a passage opening through the same and connected with the outer air, a chamber into which said passage opens through said seat and which has a connection with said expansible chamber actuating device, and means forming a conduit having a connection with the interior of the cabin, and actuating means for said pilot valves including expansible chamber devices each having a movable wall, one of said movable walls subjected on one side to cabin pressure and on its other side to a substantial vacuum and the other of said movable walls subjected on one side to external pressure and on its other side in part to a substantial vacuum and in part to cabin pressure.



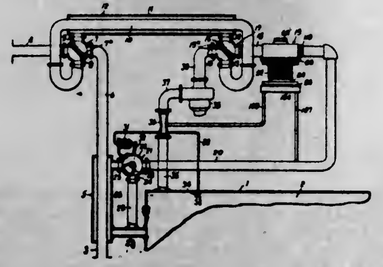
2,484,849
HEATING APPARATUS OF THE FLUID ACTUATED FUEL PUMP TYPE
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original application April 9, 1943, Serial No. 482,422. Divided and this application November 23, 1944, Serial No. 564,855
7 Claims. (Cl. 237—33)



5. Heating apparatus for an aircraft cabin comprising, in combination, a heat exchanger having a course for air entering an aircraft cabin, a course for air leaving the cabin on its way to the surrounding atmosphere, a fuel burner, means including a combustion chamber in which said burner is disposed arranged to deliver air from the cabin to said second course, a fuel pump connected to deliver fuel to said burner, driving means for said fuel pump including a motor comprising a housing having opposite end chambers and an intermediate chamber, shafts having portions in each of said chambers, jour-

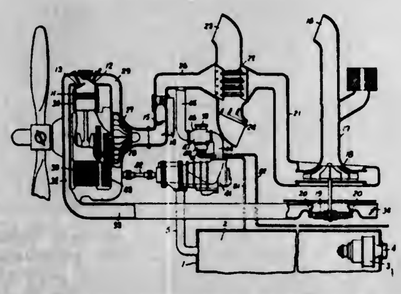
nal means for said shafts located wholly in one of said end chambers, bladed rotors in the other of said end chambers and supported by said shafts, means for delivering to said rotors air leaving the cabin after passing through said second course, and means for delivering to said intermediate chamber air coming directly from the cabin.

2,484,850
MEANS FOR COOLING AND PRESSURIZING AIRCRAFT CABINS
Wm W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 14, 1944, Serial No. 554,020
26 Claims. (Cl. 62—136)



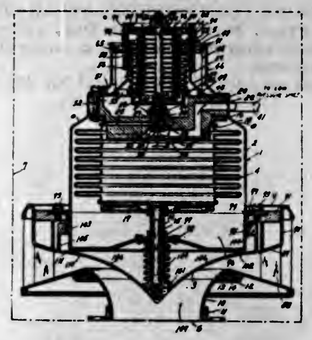
2. The method of maintaining an aircraft cabin pressurized including withdrawing air from a relatively high pressure source, reducing the pressure thereof to some relatively constant value in excess of the cabin pressure, metering the air to cause the passage of a substantially constant mass thereof towards the cabin, passing the air through an expansion engine, and controlling the pressure within the cabin by regulating the discharge of air therefrom.

2,484,851
PRESSURE CONTROLLING APPARATUS
Wm W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 2, 1944, Serial No. 561,602
9 Claims. (Cl. 98—1.5)



1. In a cabin pressurizing system for aircraft, in combination, a source of air under pressure, a cabin to be pressurized, a pressurizer taking air from said source and having its discharge connected with said cabin, valve means controlling the communication of the intake of said pressurizer with said source, and controlling means for said valve means including a pressure responsive device having means for subjecting the same to ambient pressure in a direction such that increases in ambient pressure increase the valve opening force.

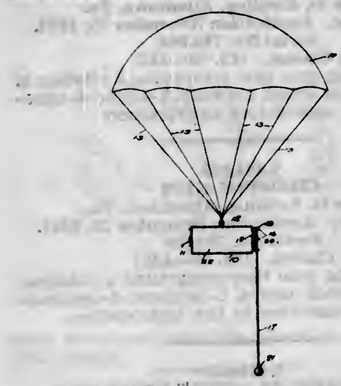
2,484,852
PRESSURE CONTROL DEVICE
Wm W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 23, 1944, Serial No. 564,858
17 Claims. (Cl. 98—1.5)



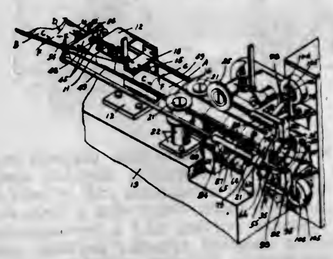
1. Mechanism for controlling the pressure within an aircraft cabin, comprising an outlet valve, a servo-motor for controlling the position of said valve, and absolute pressure sensitive means for controlling said servo-motor, said outlet valve having equal oppositely facing surfaces so disposed that the existence of a substantial differential between the pressures acting on said surfaces would, depending upon the side at which the higher pressure existed, tend to open or to close said valve, means for maintaining an equalization between the pressures on such surfaces, said outlet valve also having other oppositely facing surfaces so disposed that a fluid pressure acting on one of the same tends to close said outlet valve and a fluid pressure acting on the other one thereof tends to open said valve, and means for subjecting said last mentioned oppositely facing surfaces respectively in all positions of said valve substantially to external pressure and to cabin pressure for controlling said valve to preclude the existence of a differential in pressure between cabin and external pressure exceeding a predetermined amount.

2,484,853
SHOCK ABSORBER FOR AERIAL DELIVERY APPARATUS
Theophilus Parsons, Washington, D. C.
Application November 15, 1945, Serial No. 628,946
8 Claims. (Cl. 244—138)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A shock absorber for use in the free aerial delivery of packages comprising a harness adapted to be secured about a package to be delivered, a parachute for retarding the descent of said package, an elongated bumper rod and a weighted ground-contact member laterally of said harness and adapted to precede said package in its descent, and resilient means for resisting the continued downward movement of said package after said ground-contact member contacts the ground whereby after said ground-contact member contacts the ground, said package travels axially of said elongated bumper rod at a gradually decreasing pace and strikes the ground at a substantially decreased rate of speed.



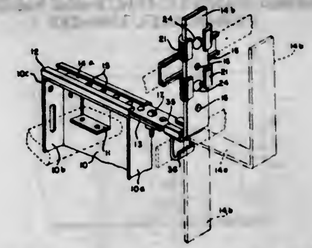
2,484,854
CUTOFF MECHANISM
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 11, 1945, Serial No. 604,397
8 Claims. (Cl. 164—48)



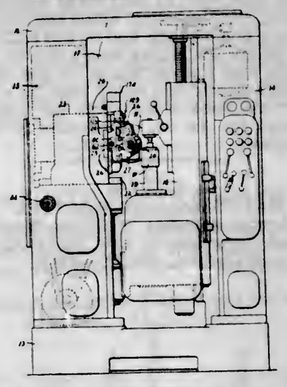
8. A cut-off mechanism for severing a moving tube into short lengths suitable for can bodies along uncut portions coincident with pre-cut lines of severance partially dividing the tube, comprising a pair of oppositely disposed cutter elements between which a wall portion of the tube passes, said cutting elements having relative movement for cutting through the interposed wall portion of the moving tube, actuating means for shifting said cutter elements in unison in time with and in the direction of the tube to effect the cutting of the tube, and gauge elements movable with said cutting elements for engaging the tube at the pre-cut lines of severance and for transferring the propelling force of the cutting elements from said actuating means to the moving tube for aligning and maintaining the uncut portions of the tube with the cutting elements prior to and during the cutting of the tube to insure severance of the tube at the pre-cut lines of severance.

2,484,855
ADJUSTABLE CURTAIN AND DRAPE BAR MOUNTING MEANS
David Press, Chicago, Ill.
Application March 20, 1947, Serial No. 736,049
9 Claims. (Cl. 248—252)

1. In an adjustable device for mounting drapes and drape bars, an elongated channel; a bracket for holding said channel in horizontal position; an apertured substantially right angled metal bracket having one portion thereof slidable in said channel; and a bar supporting bracket having a plurality of bent guide lugs whereby said bar supporting bracket is vertically slidable on the outer portion of said right angled bracket, said drape bar bracket having a transversely extending channel-like guide-way adapted to have a drape bar inserted therein, said drape bar being slidable in said guide-way.

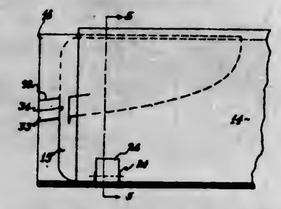


2,484,856
AUTOMATIC HOB SLIDE
Benjamin R. Purvin, Detroit, Mich., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application March 23, 1944, Serial No. 527,686
24 Claims. (Cl. 90—4)



1. In a hobbing machine, in combination, a support formed with rectilinear ways extending in one direction, a swivel slide mounted on said ways for reciprocation alternately into an advanced operative position and a retracted inoperative position, a swivel mounted on the forward end of said slide for rotary adjustment about an axis parallel to said ways and being formed with diametrical ways perpendicular to said first mentioned ways, a hob slide mounted on said diametrical ways for adjustment, clamping means for securing said hob slide in position of adjustment to said ways, a hob spindle journaled on said hob slide and extending parallel to said diametrical ways, means for rotating said spindle, drive means including a reversible pawl and ratchet mechanism for adjusting said hob slide along said diametrical ways, and control means responsive to movement of said swivel slide into said retracted position for effecting operation of said drive means a selected number of times to shift said hob slide through a corresponding number of adjustments.

2,484,857
WALLET WITH EDGE STITCHED INNER POCKETS
Emil Karl Renz, Dedham, Mass., assignor, by mesne assignments, to Debenair, Inc., Boston, Mass., a corporation of Massachusetts
Application March 31, 1944, Serial No. 528,933
1 Claim. (Cl. 150—38)



A pocket wallet of the type described, comprising an outer wall and an inner wall, the inner wall comprising a stay member extending substantially the length of the wallet, flap members positioned at each end of the wallet, said flap members each having an extension folding over the top edge of the stay member and secured by a lost motion connection to the stay member at the ends of the wallet, a pair of cover members positioned substantially parallel to said flap member on one half of the wallet, the outer of said cover members and said flap member being coextensive with the end and bottom edge of the outer wall, the inner of said cover members having its lower edge cut short along the bottom edge except for a place at the end of the edge farthest from the end of the wallet, and a line of stitching at the end and bottom edges of the wallet securing the edges of the outer wall, flap member, and cover members along their end and bottom edges except for the cut out portion of the inner cover member.

2,484,858
MARSHMALLOW ROASTER
Sylvester Schmidt, Mukilteo, Wash.
Application November 15, 1946, Serial No. 710,079
4 Claims. (Cl. 99—421)



1. In a device for roasting marshmallows or the like, a pair of rods integral at one end to form a handle, clamps for holding the rods together, an oven, the lower ends of the rods being secured to the oven, a sleeve slidably positioned on the rods, a pair of prongs for holding marshmallows secured to the sleeve, and a handle on one of said prongs for moving the prongs and marshmallows into the oven preparatory to placing the oven in a fire for the roasting of the marshmallows.

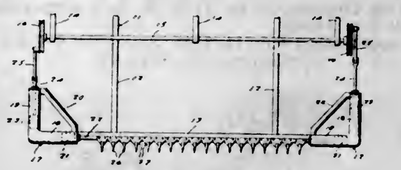
2,484,859
CHEWING GUM
Walter O. Snelling, Allentown, Pa.
No Drawing. Application November 29, 1947, Serial No. 788,968
3 Claims. (Cl. 99—135)

1. A chewing gum base comprising a solution of a water soluble sweet 1-alkoxy-2-amino-4-nitrobenzene in a masticatory hydrocarbon.

2,484,860
CHEWING GUM
Walter O. Snelling, Allentown, Pa.
No Drawing. Application December 18, 1947, Serial No. 792,624
6 Claims. (Cl. 99—135)

1. A chewing gum base comprising a masticatory hydrocarbon and a 1-halogeno-2-amino-4-nitrobenzene dissolved in the hydrocarbon.

2,484,861
FLUID PRESSURE SICKLE DRIVE FOR HARVESTERS
Ernest L. Stewart, North Salem, Ind.
Application December 9, 1947, Serial No. 790,620
3 Claims. (Cl. 56—25)

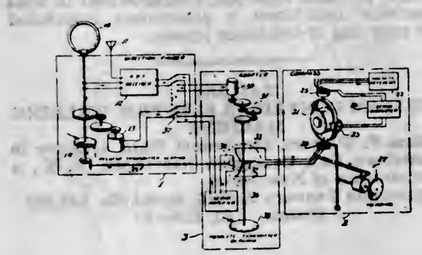


3. In a harvester, transverse support means carrying spaced longitudinally directed teeth, a cylinder block secured to each end of said support means, each block comprising a transversely directed cylinder portion and a communicating longitudinally directed cylinder portion, pistons in the transversely directed cylinder portion, a rod connecting said pistons and carrying spaced sickle teeth extending adjacent the teeth carried by said support means, pistons in the longitudinally directed cylinder portions, a shaft journaled transversely on the harvester frame, a pair of crank discs carried by said shaft, link means connecting each crank disc with one of said latter pistons, the respective link means being connected to the respective crank discs at an angular spacing of 180 degrees with respect to said shaft whereby the said latter pistons reciprocate simultaneously but in opposite directions as the shaft rotates, and conduit means carried by each cylinder block and connecting the ends of the cylinder portions thereof.

2,484,862
COMPASS STABILIZED DIRECTION FINDER
Edward C. Streeter, Jr., New York, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 18, 1948, Serial No. 9,265
14 Claims. (Cl. 343—117)

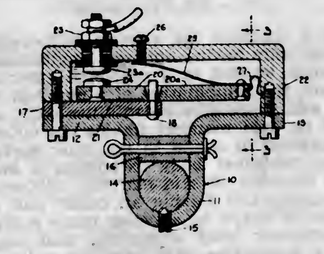
1. In a craft having a compass and an automatic radio direction finder; means to interconnect said compass and said automatic direction finder to thereby stabilize said automatic direction finder in azimuth; and means to gradually

correct the orientation of said direction finder relative to the compass proportionally to its av-



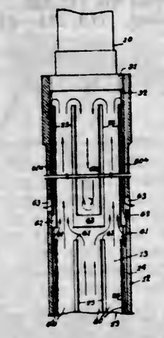
erage deviation from the direction of received radio energy.

2,484,863
OVERLOAD PROTECTIVE DEVICE
William E. Stilwell, Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application August 12, 1943, Serial No. 498,273
2 Claims. (Cl. 200—87)



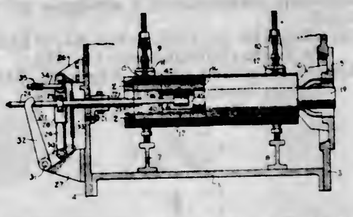
1. In an overload protector, a magnetically responsive structure comprising a substantially U-shaped bar of soft iron adapted to embrace a conductor of an electric circuit, said bar having a pair of co-planar extensions which respectively assume the characteristics of opposite magnetic poles when said structure is exposed to magnetic flux surrounding said conductor during passage of current therethrough, a magnetically responsive element fixedly secured to one of said extensions and extending in the direction toward but normally spaced from the other extension, a magnetically responsive armature pivotally supported upon said magnetically responsive extension for rotation toward the other of said extensions and having an end overlying said other extension in spaced relationship therewith, resilient means normally biasing said armature away from said other extention, an electric contact on said armature, a second electric contact operatively associated with said first-named electric contact, and means dually precluding chattering of said magnetically responsive armature under the condition of flow of electric current through said conductor of a value less than overload and cooperating with said resilient means under the condition of overload of such electric current to accelerate said magnetically responsive armature to connect said contacts with one another.

2,484,864
INDUCTION HEATING HEAD
Harold A. Strickland, Jr., and Emil B. Vos, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application July 17, 1945, Serial No. 605,568
7 Claims. (Cl. 219—13)



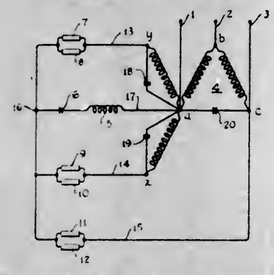
2. An electric current conductor comprising inner and outer impervious concentric members circumferentially spaced apart at their ends, means at each end of the conductor sealing the space between adjacent ends of said members, one of said members having a plurality of rib-like portions extending longitudinally thereon in tight engagement with the adjacent circumferential surface of the other and providing cooling fluid passageways, means at the one end for conducting cooling fluid to said passageways, and means at the other end for conducting cooling fluid from said passageways.

2,484,865
ELECTRIC FURNACE WORKPIECE EJECTOR MECHANISM
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 10, 1946, Serial No. 640,229
5 Claims. (Cl. 219—47)



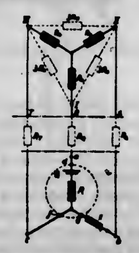
2. A push-out rod for tubular workpiece subject to inductive electromagnetic flux and contained in a tubular furnace, comprising an elongated member, means for supporting said member for axial movement into and out of said furnace, plural workpiece engaging elements fixed to the end of the member adjacent the furnace, one only of said elements being normally in metallic electrical conductive relationship with the workpiece during the heating cycle, the other of said elements normally moving into contact with said workpiece on the application of pressure on the member to force the workpiece out of said chamber.

2,484,866
POLYPHASE TRANSFORMER ARRANGEMENT
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Original application January 25, 1944, Serial No. 519,637. Divided and this application November 18, 1946, Serial No. 710,463
4 Claims. (Cl. 171—97)



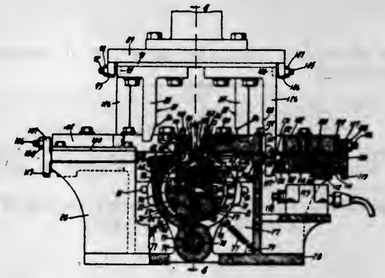
4. An electrical power supply system comprising a three-phase power source having three terminals, a load circuit including an inductor and capacitor, and a translating network between said source and load comprising a delta mesh connection between said terminals, two branches of which each includes a primary of a transformer and the other of which is transformer-free, a Y-network connected to said delta mesh comprising three branches each connected at one end to one end of the transformer-free branch of said delta mesh to form a neutral point, one branch of said Y-network including the transformer-free delta branch and each of the other Y-network branches including a secondary of one of said delta mesh transformers having a 1 to 1 turn ratio to the primary thereof, said load circuit being connected between said neutral point and the free ends of the Y-branches.

2,484,867
RESISTANCE TRANSFORMER FOR TRANSFORMING DIRECT CURRENT INTO THREE-PHASE CURRENT
Richard Strub, Zurich, Switzerland, assignor to Albiswerk Zurich Aktiengesellschaft, Zurich-Albisrieden, Switzerland, a company of Switzerland
Application Nov. 29, 1945, Serial No. 631,559½
In Switzerland January 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 14, 1964
4 Claims. (Cl. 175—363)



1. A rotary resistance transformer, for transforming direct current into three-phase current, in which in the three conductors to the three-phase load network variable resistances are inserted, which are periodically interchanged with respect to the phase and to the sign of the source of direct current, so that the total current delivered by the source of direct current flows through the load network, characterized in that a variable resistance is alternately connected with only one of the three phases.

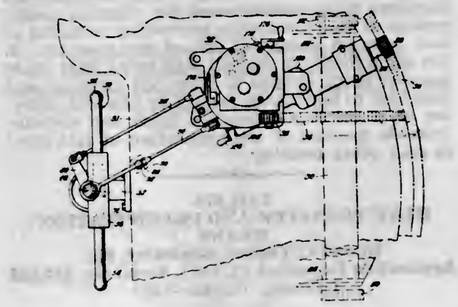
2,484,868
SIDE SEAM CONTAINER ELECTRIC WELDING MACHINE
William P. Winters, Cincinnati, Ohio, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 2, 1946, Serial No. 638,664
5 Claims. (Cl. 219—6)



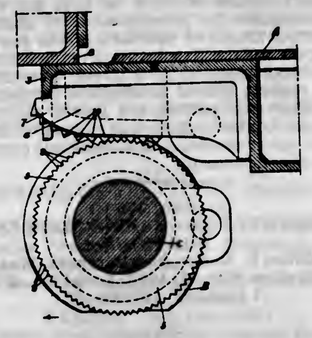
3. In a machine for electric butt-welding a container body having opposed longitudinal side seam edges located in a projected extension of said body, the combination of a mandrel for receiving and supporting a container body, a fixed support on said mandrel having an outer wall corresponding in shape to an inner surface of the said container body extension, a movable support disposed on said mandrel adjacent said fixed support and having an outer wall corresponding in shape to another inner surface of said container body extension, said supports yieldably supporting said body extension when the container body is in position on said mandrel, and a welding electrode disposed adjacent said movable support and engageable with the intervening portion of the body extension for pressing said side seam edges together to simultaneously weld the edges along their entire length while in such pressed position.

2,484,869
REVERSIBLE PLURAL CLUTCH DRIVE
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 1, 1944, Serial No. 516,683
7 Claims. (Cl. 74—389)

1. In a device having means requiring movement in azimuth and means requiring movement in elevation, a prime mover, four clutch plates mounted for driving connection to said prime mover, clutch means selectively connecting each of said clutch plates to said prime mover, driving connections from one of said clutch plates actuating said device in one direction in azimuth, driving connections from another of said clutch plates actuating said device in another direction of azimuth, driving connections from a third of said clutch plates actuating said device in one direction in elevation, and driving connections from another of said clutch plates actuating said device in the other direction in elevation, said clutch means being operable selectively to actuate either clutch plate in azimuth movement and being operable to actuate either clutch plate in elevational movement, and means whereby said clutch means may be controlled.

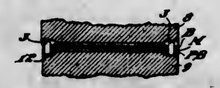


2,484,870
DUMP CAR DOOR OPERATING MECHANISM
Albert E. Zimmer, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 12, 1945, Serial No. 577,465
2 Claims. (Cl. 105—301)



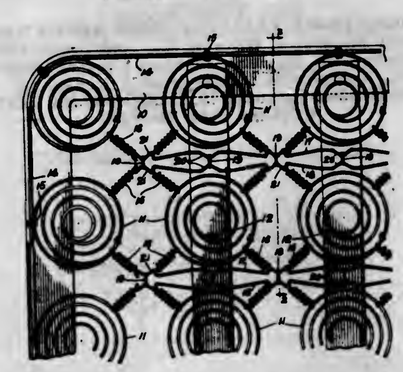
1. In a car door operating mechanism of the class described, the combination with a dump door hinged to swing vertically to closed or open position, an operating shaft rotatable in either direction and mounted for bodily movement to or from a supporting position beneath the edge portion of the door, a wheel on the shaft having a series of serrations on its periphery in the form of V-shaped teeth with flat wall bearing surfaces, a cooperating member on the underside of the door adjacent the front margin thereof having a series of serrations on the underside thereof arranged in the form of V-shaped teeth with flat wall bearing surfaces, said V arranged walls on the wheel and member being disposed in similar angular relation and said teeth on the member being of twice the pitch of those on the wheel whereby the flat walls of the valley between a pair of teeth on the member will embrace two of the teeth on the wheel and the said embracing walls will engage with the flat outer walls of the pair of teeth on the wheel.

2,484,871
DEVICE FOR REGISTRATION OF SUPERIMPOSED FILMS
John M. Andreas, Pasadena, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application June 5, 1946, Serial No. 674,558
6 Claims. (Cl. 271—2.6)



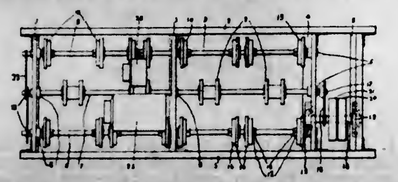
1. Apparatus of the character referred to comprising means for continuously placing two cinematographic films in registered contact with each other which comprises a row of sprocket-hole teeth adapted to extend into the sprocket holes of the films, and two rolls for pressing the films together with the teeth extending into the sprocket holes, the rolls having juxtaposed surfaces for pressing the films together between the rows of sprocket holes and also outside the rows of sprocket holes, the roll on the side of the films from which the teeth enter the sprocket holes being recessed from the sprocket holes to the margins of the films and the other roll being correspondingly raised, whereby the teeth may be fully inserted in the sprocket holes of the films and said margins of the films may be pressed into intimate contact with each other.

2,484,872
BED SPRING
Stephen J. Blaha, De Kalb, Ill., assignor to The Englander Company, Inc., Chicago, Ill., a corporation of Delaware
Application August 9, 1943, Serial No. 497,911
9 Claims. (Cl. 5—267)



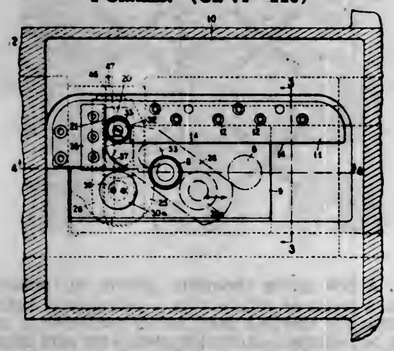
1. A bed spring structure having, in combination, a series of coil springs, a plurality of helical springs for exerting their forces crosswise of certain coil springs, anchoring means for said helical springs including a pair of elongated members arranged to extend between rows of said coil springs for direct separable connection with said helical springs, and means at longitudinally spaced points in fixed position on said members for connecting said members together against separation, said members having bent portions thereon for connection with said helical springs which extend substantially crosswise to the lines of force exerted by said helical springs.

2,484,873
ROLLER SUPPORT FOR BALL MILLS
Ernest Henry Brant, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 6, 1946, Serial No. 708,014
In Great Britain November 16, 1945
1 Claim. (Cl. 241—178)



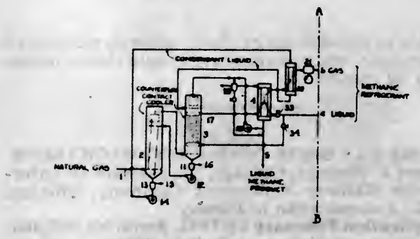
A ball mill rack for receiving and rotating cylindrical vessels for the purpose of ball mill grinding, said rack comprising three parallel shafts in substantially the same plane, means for driving said shafts in the same direction, an equal number of pairs of friction wheels on each shaft, and, on each of the friction wheels on the two outer shafts, a flange extending radially from that face of said wheel remote from the other wheel of the same pair, the pairs of friction wheels on the middle shaft being plain and being spaced closer together than the corresponding pairs of wheels on either of the outer shafts and being intermediate thereof, said friction wheels being adapted to co-operate, to support and rotate by friction two parallel rows of cylindrical vessels each resting upon a pair of friction wheels on an outer shaft and a pair of friction wheels on the inner shaft, and with its ends located by said flanges, said flanged wheels being adjustable along the length of the shafts on which they are carried so as to accommodate vessels of different lengths.

2,484,874
ADJUSTABLE VARIABLE SLIDE ACTUATOR
Roger W. Brown, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application February 18, 1948, Serial No. 9,197
4 Claims. (Cl. 74—110)



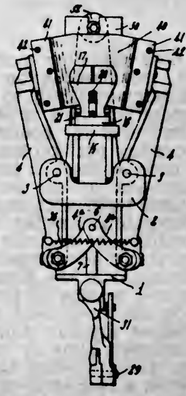
1. A device of the class described, comprising a pair of members reciprocable in parallel paths, means for reciprocating one of said members, and operative connections between said members for driving the other of said members from said one member comprising a lever fulcrumed on one of said members and pivotally and slidably connected for motion transverse to said paths to the other of said members, stationary guide means preventing swinging of said lever during motion of said members and permitting said lever to move bodily with said members in one direction to a predetermined point during which motion said members move together and for stopping bodily motion of said lever while permitting swinging of said lever on motion of one of said members in the same direction beyond said point, said guide member being shaped to cause the other of said members to move with respect to said one member at a velocity dependent upon the distance from its fulcrum of the connection of said lever to said other member.

2,484,875
HEAT TRANSFER AND PRECIPITATION MEANS
Howell C. Cooper, Sewickley, Pa.
Application December 22, 1945, Serial No. 637,045
1 Claim. (Cl. 62—122)



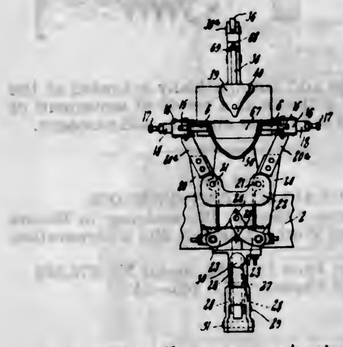
In a natural gas liquefaction system including a product condenser served by a recirculating refrigerant: means effective on said gas ahead of said condenser for precipitation of condensable ingredients from the methane in the gas and including means for circulating a condensant liquid of low vapor pressure in a circuit providing successive cooling of said condensant by said refrigerant after said refrigerant leaves said product condenser, contact between said gas and said condensant, and removal of the resultant condensate from said condensant.

2,484,876
MACHINE FOR SHAPING SHOE END PORTIONS
Milton L. Dodge, Newburyport, Mass.
Application May 21, 1946, Serial No. 671,232
7 Claims. (Cl. 12—97)



1. A machine of the class described, comprising a form for receiving and supporting thereon an end portion of a shoe upper including a moldable stiffener, an elastic band, and means for transversely stretching said elastic band about the end and sides of said portion to conform said shoe portion to the contour of said form.

2,484,877
SHOE UPPER MOLDING MACHINE
Milton L. Dodge, Newburyport, Mass.
Application December 4, 1946, Serial No. 713,981
6 Claims. (Cl. 12—97)



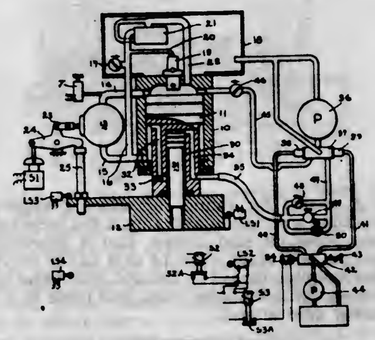
1. In combination, a support, wipers carried by said support for motion toward and from each other, a sheet of stretchable material supported about its margin by said wipers, a form having substantially the contour of the toe portion of a last, means supporting said form for motion toward and from said sheet material to pass between said wipers against said sheet material and cause said sheet material to be wrapped about and stretched over the top face and toe end of said form and to conform a vamp between said form and sheet material to the surface of said form, and means for thereafter moving said wipers in over the sole face of said form.

2,484,878
METHOD OF PREPARING PROTEIN DISPERSIONS
James J. Eberl, Bound Brook, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1947, Serial No. 732,935
5 Claims. (Cl. 106—154)

1. A method of preparing an aqueous dispersion of soybean protein characterized by having a controlled viscosity and a pH under about 10.0, comprising mixing 12 parts of undenatured soybean protein with about 42 parts of water, allowing said protein to hydrate, treating said hydrated protein with about 1.04 parts of sodium hydroxide in about 40 parts of water, stirring the resulting dispersion for about 30 minutes at a temperature below about 35° C., adding this dispersion with stirring to a portion of hydrated protein prepared by treating about 20 parts of undenatured soybean protein with about 80 parts of water.

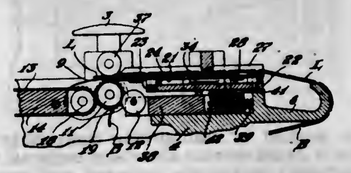
2,484,879
HYDRAULIC PRESS EQUIPPED WITH A SYNCHRONIZED STRIPPING PLUNGER
Walter Ernst and Clyde Hedrick, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application June 5, 1944, Serial No. 538,870
11 Claims. (Cl. 113—59)

1. In combination in a drawing press, a fluid operable drawing plunger, a fluid operable ejector plunger, a source of pressure fluid for supplying actuating fluid to said drawing plunger, a first control means effective when actuated to bring about the advancing stroke of said drawing plunger, a source of pressure fluid for supplying actuating fluid to said ejector means, a second control means effective when actuated to



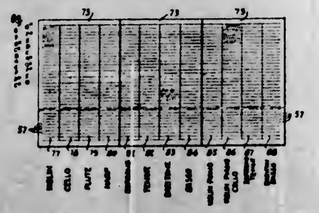
bring about the advancing stroke of said ejector plunger, means interlocking said control means to prevent the actuation of the second thereof when the first thereof is actuated, and means responsive to a predetermined advancing movement of said drawing plunger for simultaneously rendering ineffective said first control means and for actuating said second control means.

2,484,880
LABEL DISPENSER
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application June 30, 1944, Serial No. 543,037
12 Claims. (Cl. 271—8)



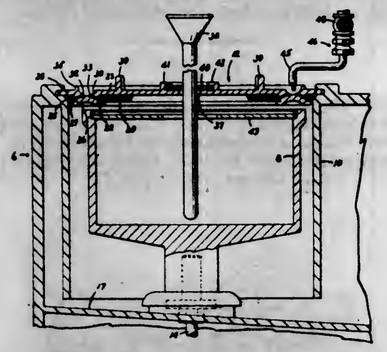
2. A device for dispensing labels from a backing upon which the labels are mounted with adhesive adapted to peel away from the backing, comprising a plate having an edge over which the backing is stripped to peel the backing away from the labels and project the labels successively, a roller for guiding the backing away from said edge at an angle to the labels great enough to peel the backing from the labels, the roller having its axis parallel to said edge and its periphery adjacent the back side of the plate, means for drawing the backing over said edge and thence over said roller, and means movably interconnecting said plate and roller so that they may be separated to thread the backing therebetween.

2,484,881
RECTANGULAR TRANSLUCENT SOUND TRACK RECORD
Antonio Fuschi, New York, N. Y.
Original application December 14, 1942, Serial No. 469,623, now Patent No. 2,452,743, dated November 2, 1948. Divided and this application May 12, 1944, Serial No. 535,374
2 Claims. (Cl. 274—41.6)



1. A record for sound reproducing apparatus comprising a rectangular frame, a flat rigid translucent plate on said frame, and a plurality of bands on said plate, each of said bands carrying a photographic record of a sound, said band being a photographic transfer upon said plate of a film carrying said sound.

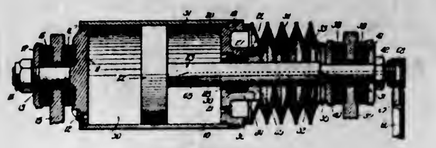
2,484,882
SPINNING BUCKET COMPARTMENT HUMIDIFIER
Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 21, 1948, Serial No. 9,995
16 Claims. (Cl. 57—76)



1. A method of humidifying comprising supporting a liquid-storing absorbent material within a spinning bucket compartment, and conducting a volatile liquid to the absorbent material to wet its surface exposed to the compartment atmosphere.

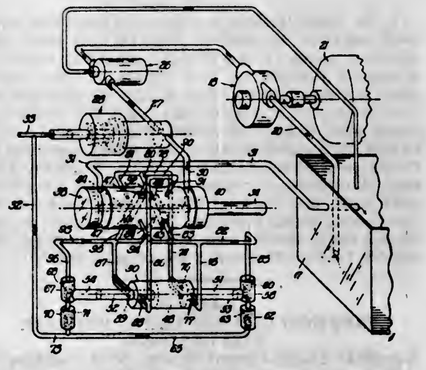
2,484,883
PNEUMATIC SHOCK ABSORBING CYLINDER
John C. Hanna, Chicago, Ill., assignor to Hanna Engineering Works, Chicago, Ill., a corporation of Illinois
Application February 23, 1946, Serial No. 649,531
9 Claims. (Cl. 188—88)

1. In a shock absorbing cylinder, a piston movable therein a piston rod for moving the piston, said piston having at least two passages extending through the same in a direction substantially parallel to its movement, valve means for said passages operative in opposing directions to permit flow of a compressed fluid through the piston, and other valve means in the piston associated with



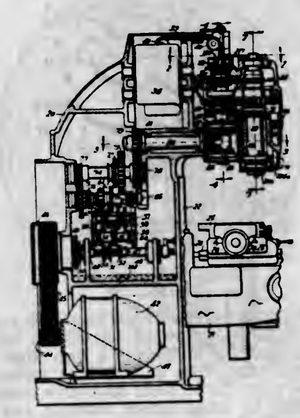
both passages and automatically actuated at the beginning of a stroke as a result of movement of the piston for selectively opening said passages.

2,484,884
HYDRAULIC TRANSFORMER
John C. Hanna, Chicago, Ill., assignor to Hanna Engineering Works, Chicago, Ill., a corporation of Illinois
Application June 10, 1946, Serial No. 675,566
12 Claims. (Cl. 103—51)



1. In a hydraulic booster, a housing member having an inlet passage connecting with a source of fluid pressure, an exhaust passage connecting with an exhaust line, and a high pressure delivery line connecting with an outlet passage for a high pressure fluid, a differential piston within the member mounted thereby for reciprocating movement, said differential piston including a main operating piston having reciprocating movement within a chamber provided therefor by said member and ram pistons extending from each end of the main piston and which move in chambers respectively also provided by said member, a passage in the member associated with each ram piston chamber at the end thereof and connecting with said outlet passage, a distributor valve journalled by said member for rotation and extending in an axial direction from the inlet passage to said exhaust passage, control ports provided by the valve and connecting with the inlet passage, other control ports provided by the valve and connecting with the exhaust passage, a plurality of ducts formed in the member and having associated relation at one end with the said control ports respectively, and at their other ends having connection with certain ends of the operating piston chamber, and certain of said ducts having connection with the end of the ram piston chambers respectively.

2,484,885
VERTICAL SPINDLE MILLING MACHINE
Fred A. Hassman and Charles Herfurth, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application February 25, 1944, Serial No. 523,926
3 Claims. (Cl. 90—16)



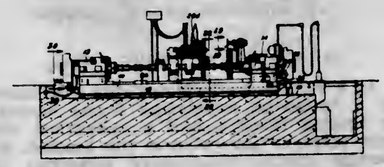
1. In a machine tool, a frame, a spindle carrier movable on said frame, means for driving a spindle journaled in said carrier at a plurality of different rates of speed comprising a change speed transmission in said frame, a change speed transmission in said spindle carrier serially connected with said change speed transmission in said frame, a prime mover in said frame connected to drive said change speed transmission in the frame, means for moving said spindle carrier on said frame, and hydraulic actuating means for effecting speed changes in both of said change speed transmissions in sequential relationship to effect a complete range of speed changes in said spindle for any position of said spindle carrier on said frame, including a piston and cylinder, one of which is attached to the frame and the other connected to a shiftable element in the carrier.

2,484,886
KEY FOR KEY OPERATED MACHINES
Beulah Louise Henry, New York, N. Y.
Application March 25, 1948, Serial No. 16,942
5 Claims. (Cl. 197—102)



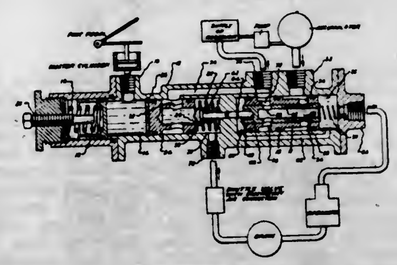
2. In a key cap for key operated machines, a body having a finger-engaging portion formed with convexly curved upper face portions adjacent the opposite lateral edges thereof with a concave central portion therebetween extending from the forward edge to the rear thereof, said body being cut away rearwardly of its transverse center line to provide a portion of reduced height rearwardly of the finger-engaging portion thereof.

2,484,887
CRANKSHAFT GRINDER
Walter A. Holer, Cincinnati, Edilio J. Rivera, Silverton, and Lincoln E. Mehlhope, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application May 16, 1946, Serial No. 670,244
18 Claims. (Cl. 51—72)



1. In a grinding machine having a work support and a grinding wheel support, manually operable means for feeding the grinding wheel support toward the work support, power operable means for moving the grinding wheel support toward and from the work support, a first control for said power means adapted to be manually held to effect power movement of the grinding wheel support toward the work support, a second control for said power means adapted to be latched in to cause retraction of the grinding wheel support, and automatic means for unlatching said second control to stop said retraction at the end of its stroke.

2,484,888
BRAKE VALVE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application September 20, 1946, Serial No. 698,165
4 Claims. (Cl. 188—152)



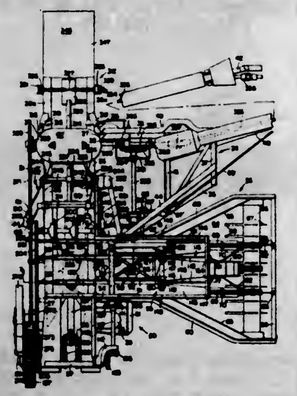
1. A regulating valve for power brakes for synchronizing "load feel" on brake application, said valve comprising a pressure inlet, a pressure outlet, a valve controlling the flow of pressure fluid between said inlet and said outlet, means for substantially balancing fluid pressure on said valve, a displacement chamber having a movable wall and adapted to be hydraulically connected to a source of fluid displaced into said chamber by manual actuation, an operative connection between said wall and said valve, a second chamber on the opposite side of said wall from said first chamber, and a fluid inlet for said second chamber adapted for direct connection with the brakes whereby fluid pressure in the brake is capable of reacting against said movable wall to hydraulically transmit said "load feel" into said first chamber.

2,484,889
RESILIENTLY MOUNTED DRAFT RIGGING
Archie M. Hutton and Malcolm P. Hutton, Edwall, Wash.
Application August 19, 1946, Serial No. 691,545
2 Claims. (Cl. 280—33.9)



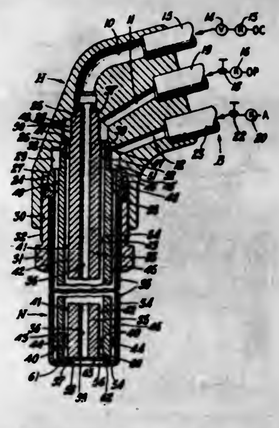
1. In a vehicle draft rigging, the combination with a horizontal supporting frame having a rear bearing bracket, and a cylindrical draft tongue pivotally supported in the bracket, of a forwardly spaced horizontally extending and transversely arranged upper plate rigid with the supporting frame, a pair of spaced transversely arranged cross bars rigid with the under side of the upper plate, a yoke including a pair of spaced channel bars rigid with the plate and having adjoining inner plane faces, a pair of longitudinally extending channel plates mounted on the exterior surface of the draft tongue and having outer plane faces for frictional engagement with the faces of the yoke, and a coiled spring interposed between the upper face of the tongue and the lower face of the upper plate.

2,484,890
BALING PRESS
George B. Hill, Ottumwa, Iowa, assignor to Deere Manufacturing Co., a corporation of Iowa
Application December 17, 1943, Serial No. 514,707
17 Claims. (Cl. 100—20)



1. In a baling press, a bale case having a feed opening in a wall thereof, a plunger reciprocable within said case, a first cutting tool disposed along one side of said opening, a second cutting tool cooperative with said first cutting tool responsive to movement of said plunger for cutting off material being fed through said opening, means responsive to movement of said plunger for shifting said first cutting tool away from cutting relation with said second cutting tool to prevent cutting at certain times, and means for disabling said shifting means to cause said cutting tools to cut said material.

2,484,891
POST-MIXED BLOWPIPE AND METHOD OF THERMOCHEMICALLY CUTTING METAL
Homer W. Jones, Westfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application January 20, 1944, Serial No. 518,957
3 Claims. (Cl. 148—9)



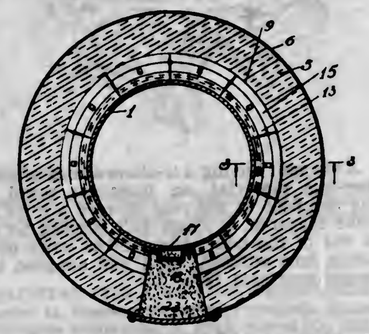
1. The method of cutting ferrous metal work, which comprises, applying an oxyacetylene work-preheating flame to the work to heat a local surface area to the ignition temperature with oxygen; said oxyacetylene work-preheating flame being composed of an oxygen jet and a stream of low-pressure acetylene aspirated from a constricted orifice into mixing relation with such oxygen jet by the latter; and then, after the work is so heated by said flame, applying a separate stream of cutting oxygen to such heated area through the interior of said flame, and moving the flame and cutting oxygen stream across the work.

2,484,892
CHEWED GUM RECEPTACLE
Reva Harris Keston, Minneapolis, Minn.
Application May 22, 1946, Serial No. 671,536
1 Claim. (Cl. 206—37)



A receptacle of the class described formed of a single rectangular piece of material, having three parallel transverse folding lines on which, when the material is folded, forms of the material the bottom member and the two side members of the receptacle and a flap which forms an extension of one of the side members, a tab which forms an extension of the other side member, a slot in the folding line between the flap and the respective side member through which the tab may be inserted and bent into an upright position and the flap folded downwardly onto the other side member which, together with the tab, holds the side members in converging relation, the ends of the receptacle being open the entire distance between the bottom member and the top of the receptacle, and a foldable barb on the bottom member.

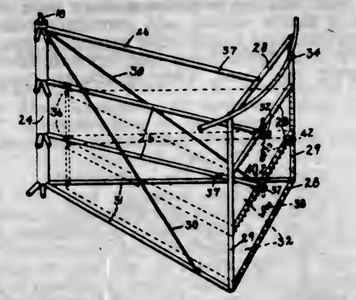
2,484,893
ELECTRIC HEATING UNIT FOR TANKS
Kuno Robert Kuenne, Oconomowoc, Wis., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 21, 1947, Serial No. 781,207
10 Claims. (Cl. 219—38)



1. In a device of the character described adapted to be positioned between the shell of a hot water tank and a jacket of insulating material surrounding said shell, a girdle-like heating unit in contact with said shell comprising a substantially flat flexible metal band of substantially continuous and unbroken form and of length approximately equal to the horizontal circumference of the shell and adapted to encompass the exterior of the same in spaced relation thereto, integral flanges projecting inwardly along the side edges of said band and adapted to contact said shell and space the band from the shell, said flanges having inwardly flaring notches running through them of a size and form to permit said flanges when bent around the shell to contract progressively inwardly and assume a substantially closed annular form, a series of spaced insulating holders mounted in said flange and extending away from said flanges and band, an electric resistor in communication with a source of electric current strung on and positioned between said insulating holders and spanning the space between the holders on each flange and out of contact with the said band and its flanges and means for connecting and tensioning said band and flange on the shell and securing them thereon, the said elements above recited forming a unitary electric resistance heating member in direct contact with the shell and its insulating jacket but removable therefrom as a unit.

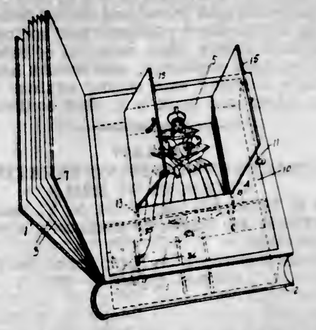
2,484,894
MULTIUNIT STORAGE CABINET
James A. Lindsay, Spokane, Wash.
Application August 9, 1946, Serial No. 689,369
2 Claims. (Cl. 312—148)

1. A storage device comprising a closed cylindrical casing, a center post supported in the top and bottom of the casing, a tubular post journaled on the center post, a supporting frame on the tubular post including a vertically spaced series of radially extending members, and transversely disposed end members on the radially extending members, a lower pair of radially disposed supporting members, and a connector between the outer ends thereof aligned vertically with the transverse members, vertical posts connecting the ends of the transverse members and of the connector forming rectangular openings in the frame, drawers slidable through said openings supported by said radial members, a door in the casing providing access to the drawers, clips on the drawers slidable on radial member above



each drawer, and stops on the said radial members to limit the outward movement of the drawers.

2,484,895
EDUCATIONAL TOY BOOK
Julian A. Links, San Francisco, Calif.
Application April 5, 1946, Serial No. 659,989
7 Claims. (Cl. 84—95)

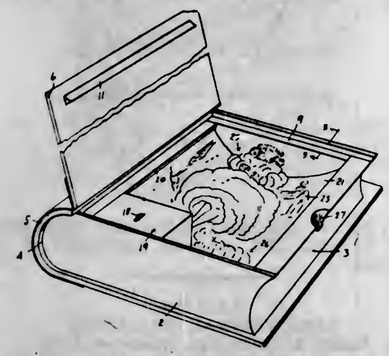


1. A child's toy comprising a story book having front and rear covers, a compartment disposed between said covers and carried by said rear cover rigid therewith, a plurality of leaves disposed between said front cover and said compartment bearing images imprinted thereon representing the leading character of said story in different costumes, said compartment including a doll representing said character and costumes for said doll corresponding with said different costumes, and said compartment further including a music reproducing device adapted to musically reproduce a composition, the theme of which corresponds with the theme of said story, means actuated by movement of said front cover and leaves to open position for starting said device.

2,484,896
CHILD'S BOOK
Julian A. Links, San Francisco, Calif.
Application January 11, 1947, Serial No. 721,653
7 Claims. (Cl. 84—95)

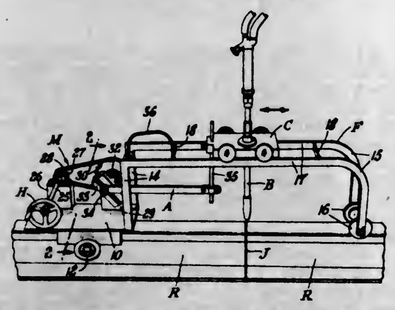
1. A child's musical book comprising a hollow, generally rectangular container having a top and a bottom wall respectively simulating in appearance the top and bottom covers of a book, side walls rigid with said bottom wall simulating in appearance the edges of the leaves of such book, and a back wall simulating in appearance the

back of such book, means hingedly securing said top wall to said back wall, a bound story book separable from said container having pictures and text relating to fictional story book characters, a figure within said container removable therefrom, said bound book extending completely over said figure below said top wall, means for securing said book from separation from said



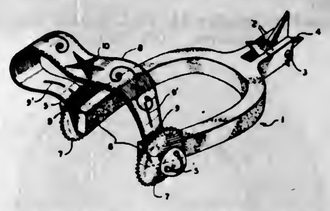
container when said top wall is closed, a spring wound music reproducing device in said container rigid therewith and below said bound book, means movable to a position releasing said spring for actuating said device upon removal of said bound book from said container, said means being held stationary securing said spring against said actuation when said book is in said container.

2,484,897
APPARATUS FOR HEAT-TREATING SURFACES OF RAILS
Arthur R. Lytle, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application October 22, 1946, Serial No. 704,815
7 Claims. (Cl. 263—9)



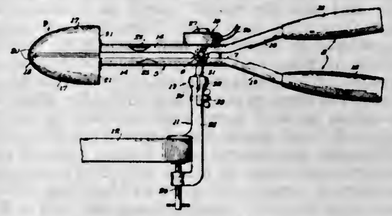
1. In apparatus for heat treating aligned rail ends adjacent a rail joint comprising a rail contacting base frame, a blowpipe carriage movably mounted on said base frame, and means for reciprocating said carriage with respect to said frame; the improvement which comprises said frame having at one end flanged means for engaging the side of one of the rails and at the other end a base for engaging the other rail, means for clamping said frame to one of said rails, and a bridge portion extending from said base over the rail joint to said flanged means, and said blowpipe carriage being movably supported on said bridge portion, and said reciprocating means being mounted on said base and connected to the carriage on said bridge portion.

2,484,898
TOY SPUR
Jessie L. MacDonald, Fort Myers, Fla.
Application April 22, 1947, Serial No. 743,048
2 Claims. (Cl. 54—83)



1. A toy spur having a U-shaped body of pliable rubber-like material, an imitation rowel pivotably mounted at the rear thereof also of rubber-like material, a jingle bell secured to each open end of the body, and a cross strap having a button hole adjacent each end adapted to be buttoned over said bells.

2,484,899
IRONING DEVICE
Ruby Garnett Mayo, Los Angeles, Calif.
Application May 9, 1946, Serial No. 668,596
3 Claims. (Cl. 219—25)

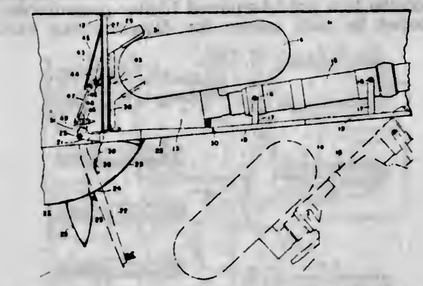


1. An ironing device comprising, in combination, a support adapted for separable connection with an ironing board or the like, a scissor-like unit comprising a pair of hinged arms each having an ironing element on one end and a handle on the other, a ball and socket mounting the unit on the support, a heating unit in each element, and means for conducting controlled electric current to each unit to heat the same to incandescence, said latter means comprising a manually operable thermostatic control unit carried by the scissor-like unit.

2,484,900
WHEEL FAIRING LOCK AND RELEASE
Arthur D. McPherson, Snyder, Robert M. Dalton, Williamsville, and Richard C. Smith, Snyder, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application October 11, 1946, Serial No. 702,598
9 Claims. (Cl. 244—102)

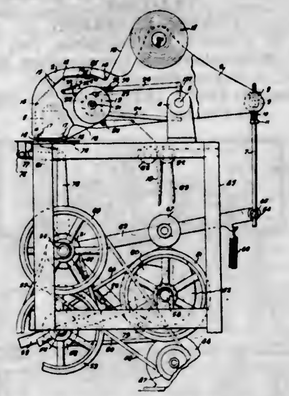
1. In an aircraft having a well for receiving a retractable landing gear assembly in the retracted position thereof, a carriage mounted upon a track in said well and adapted for movement in response to movement of said assembly into and from said well, a fairing member for closing the well pivoted to the aircraft, means providing a resilient connection between the carriage and said member for swinging the latter between open and closed positions in response to movements of said carriage, the resilience of said connection enabling limited movement of the carriage when said member is held against movement in open

position, means for locking said member in open position including resilient means for holding the locking means in applied position, and means re-



sponsive to movement of the carriage for releasing the locking means when said assembly is moved into retracted position.

2,484,901
MACHINE FOR APPLYING TRANSFERS
Charles G. Newton, Hamilton, Ontario, Canada
Application September 4, 1945, Serial No. 614,275
7 Claims. (Cl. 41—1.2)



5. In an apparatus for impressing transfer emblems on hosiery and other objects from a paper tape having ink embossed transfer emblems on its face and moving in one direction only across the face of the hose to be impressed, heated means for pressing the transfer emblems on the tape against the hose, and a mechanically retractable member positioned adjacently to the face of the tape carrying the transfer emblems and towards which the tape feeds and adapted to impact the edges of the embossed emblems on the tape to mechanically arrest the movement of the tape and being so located that the tape moves from the retractable member to the hose.

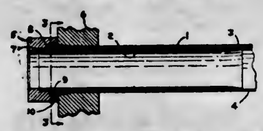
2,484,902
ANTHRAQUINONE-2-CARBOXYLIC-DIMETHYLAMIDES AND PROCESS FOR MAKING SAME
Henry Charles Olpin and Kenneth Ronald House, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 18, 1946, Serial No. 704,280. In Great Britain November 2, 1945
6 Claims. (Cl. 260—377)

1. An anthraquinone - 2 - carboxylic dimethyl amide having an NH_2 group in the 1-position and in the 4-position a group NHR where R is selected from aryl groups containing but a single ring and hydro-aryl groups containing but a single ring.

2,484,903
HEAT AND CORROSION RESISTING ALLOY STEEL
Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 24, 1948, Serial No. 51,127
14 Claims. (Cl. 75—128)

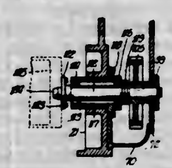
1. A heat and corrosion resisting alloy steel, consisting principally of austenite and ferrite with a minimum of about 15% ferrite, said steel being hardenable to upwards of about "C" 38 Rockwell by heating at about 1400° F. for upwards of one hour, and of thereafter undergoing no substantial reduction in hardness after subsequent heatings to said temperature, said steel containing: from more than 22% up to about 32% chromium; about 1 to 10% manganese; from an effective amount up to about 8% nickel; from an effective amount to under 1% silicon; carbon up to about 0.6%; and the balance substantially iron.

2,484,904
LEAK STOPPER FOR CONDENSER TUBES
Samuel Pennella, Pompton Lakes, N. J.
Application October 3, 1946, Serial No. 700,994
11 Claims. (Cl. 285—54)



1. Means for stopping leaks in a condenser tube perforated by corrosion or erosion comprising a tubular insert of a hard compact fibrous material subject to swelling when wetted, said insert having its inner diameter tapering to a knife edge at its outlet end, and a flow guiding inlet head on the inlet end of said tubular insert, said inlet head being constructed of material which is non-swelling when wetted and is non-conducting of chemical electricity.

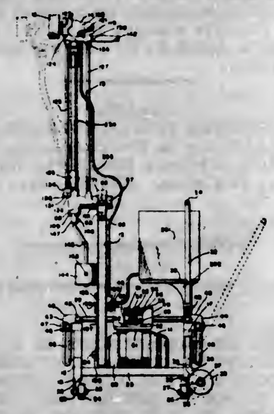
2,484,905
DRIVE FOR MULTIUNIT PRINTING PRESSES
Henri E. Peyrebrune, River Forest, Ill., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 28, 1946, Serial No. 693,479
2 Claims. (Cl. 101—183)



1. In a printing press of the multiple unit type, the combination with a plurality of printing couples and associated transfer drums, of drive means for said drums including shafts on which the respective drums are removably supported, said shafts being fixedly mounted for rotation in

axial alignment with their respective drums, gears mounted on said shafts and having meshing relation with similar gears adjacent thereto and forming a continuous train for driving the printing couples and transfer drums of the respective units in precise timed relation, an outboard bearing for journalling the outer end of said shafts projecting beyond the gear to eliminate any deflection thereof, and an auxiliary frame on the gear side of the press for mounting said outboard bearings, said drive means remaining intact and in proper timed relation when a transfer drum is removed as well as when all drums are in their operative positions.

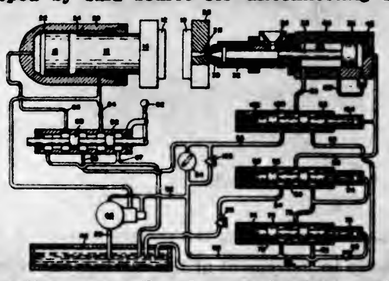
2,484,906
TERRAZZO GRINDER
Harold J. Pond and Daniel A. Aronen, Minneapolis, Minn., assignors to Advance Machine Company, Minneapolis, Minn., a corporation of Minnesota
Application June 21, 1947, Serial No. 756,156
13 Claims. (Cl. 51—180)



1. In combination, a support, an arm, a pivotal connection between said arm and said support, a second arm, a joint between said arms, the axis of said joint being parallel to the axis of said pivotal connection, said joint including a member movable with said second arm, said second arm including a mounting at the end thereof opposite said member and parallel links pivoted to said member and to said mounting for swinging movement about parallel axes disposed at right angles to a plane containing the axis of said joint, a grinding head carried by said mounting and including a grinding wheel and power transmission means for driving said grinding wheel.

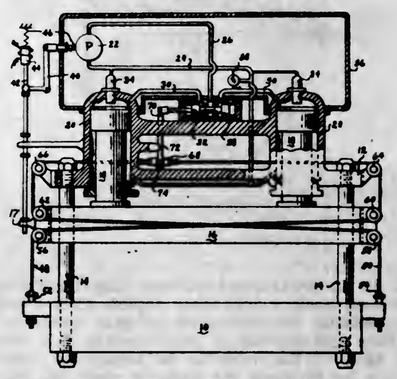
2,484,907
FLUID OPERABLE SYSTEM
Howard M. Purcell, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application October 7, 1946, Serial No. 701,713
16 Claims. (Cl. 60—97)

12. In a molding machine having a mold clamping ram and a material extruding ram; a single fluid source for actuating said rams; means to connect said source with the advancing or the retracting means of said clamping ram; means normally connecting said source with the retracting means of said extrusion ram for free flow toward the said retracting means and restricted flow therefrom; means responsive to a predetermined pressure developed by said source for connecting the same with the advancing means of said extrusion ram; means responsive to a predetermined higher pressure developed by said source for disconnecting said



retracting means therefrom and for connecting the said means instead with exhaust; and means responsive to a still higher pressure for again connecting said source with said retracting means of said extrusion plunger while connecting the advancing means thereof with exhaust.

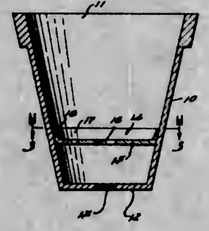
2,484,908
PLATEN LEVELING
Howard M. Purcell, Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application July 8, 1947, Serial No. 759,666
15 Claims. (Cl. 60—97)



1. In a press having a press head, a press bed, and a press platen reciprocable therebetween; a plurality of fluid operable means for reciprocating said platen; a fluid source for supplying pressure fluid to said means; flow controlling means for determining the relative amounts of fluid supplied to said means; a substantially inextensible and flexible member connected between said head and bed and extending transversely across said platen; and means connecting said member with said flow controlling means for operation thereof by deflections of said platen from a level position.

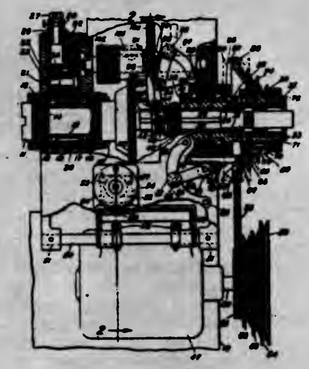
2,484,909
COMBINATION FLOWERPOT AND SAUCER
Henry T. Ritter, South Rockwood, Mich.
Original application August 26, 1942, Serial No. 456,137. Divided and this application August 1, 1945, Serial No. 608,222
1 Claim. (Cl. 47—38)

The combination with a flowerpot, of a partition and saucer element having a bottom from which side walls project upwardly and an area in the bottom of reduced thickness, the side walls being so disposed as to engage the inner surface



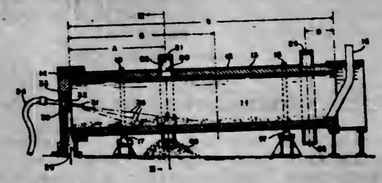
of the pot to support the bottom above the bottom of the pot or which may form the walls of a saucer when the bottom of the pot rests upon the bottom of the element.

2,484,910
VARIABLE-SPEED MECHANISM
Millard Romaine and Edgar D. Vanell, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application January 11, 1947, Serial No. 721,500
6 Claims. (Cl. 74—217)



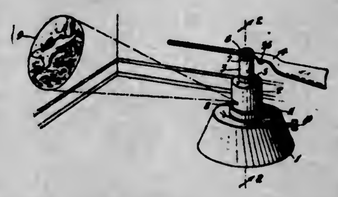
1. In a variable speed transmission, the combination with a driven member, of a power actuated driving member, means to support the driving member in parallel axial relationship to the driven member, means to adjust the driving member toward and from the driven member, cone pulleys mounted on the respective members, each having the same number of different diametered steps but said pulleys being mounted in inverse order whereby the largest diameter step of one pulley is aligned with the smallest diameter step of the other pulley, a belt shiftable to interconnect the various pairs of steps to produce a plurality of variable speeds, means to shift the driven pulley axially with respect to the axis of the other pulley to align the steps in different pairs, and means for laterally shifting the power actuated shaft toward and from the driven shaft to facilitate shifting of the motion transmitting means.

2,484,911
ROTARY KILN
Gilbert Edward Sell, Cynwyd, Pa.; Frances Merritt Sell, executrix of said Gilbert Edward Sell, deceased, assignor to Frances Merritt Sell
Application April 21, 1945, Serial No. 589,633
2 Claims. (Cl. 263—32)



1. Rotary kiln apparatus having a cylindrical kiln provided with a casing and a refractory lining, means for feeding material to be heat-treated therein at one end thereof, means for discharging material at the other end thereof, means for rotating the kiln; and means for delivering solids material into the kiln through its casing during rotation of the kiln comprising an aperture through the kiln, channel means connected with the aperture disposed exteriorly of the kiln and having one open end through which solid fuel may be supplied to the kiln at a predetermined place between the ends thereof; and a second aperture through the kiln as well as another channel means disposed exteriorly of the kiln and having one open end through which a solid chemical reagent may be supplied to the kiln at a predetermined place between the place of the feed of solid fuel and one end of the kiln.

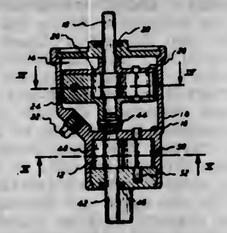
2,484,912
TOY TARGET DEVICE
Ben Shenker, West Orange, N. J.
Application September 14, 1946, Serial No. 697,119
3 Claims. (Cl. 273—101.2)



1. A toy target amusement device comprising a housing having an opening in the top thereof, a light source in said housing, an opening in the housing correlated with said light source, a stationary target image in said housing between the light source and the opening correlated with the light source, a rotatable means for projecting the target image through said opening, a motor for actuating said rotatable image projecting means, an electric contact element rotatable with said rotatable image projecting means and correlated therewith, a cylindrical support extending into said housing through the opening in the top of the housing, and extending outwardly therefrom, said support being rotatable relative to said housing, an electrical conducting rod in said support and rotatable therewith, said rod being movable in a vertical plane so that the lower end of said rod may make contact with said electric contact element, an electric switch in the form of a trigger of a simulated firearm on said support, a sig-

nalling device in said housing, and an electric circuit comprising said electric contact element, said electrical conducting rod, said signalling device and the electric switch in the form of a trigger of a simulated firearm, which electric circuit is adapted to be actuated to operate said signalling device when the electric switch in the form of a trigger is closed at the same time the lower end of the electrical conducting rod is in contact with said electric contact element.

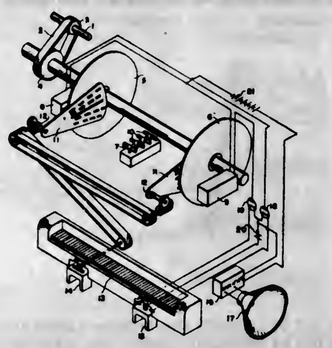
2,484,913
TORQUE ABSORBER FOR SPEED REDUCING PURPOSES AND THE LIKE
Samuel A. Snell, deceased, late of Jackson, Mich., by the Commerce Guardian Bank, executor, Toledo, Ohio, now by change of name, Commerce National Bank of Toledo, assignor to Sam W. Snell, trustee
Application October 5, 1945, Serial No. 620,610
5 Claims. (Cl. 192—12)



1. A hydraulic transmission and torque absorber comprising a power input shaft and a power output shaft, an external casing having spaced walls through which said shafts extend and are sealed, a pair of chambers in said casing, a torque transmitter in the form of a gear pump having a pump housing supported for rotation in one of said chambers, a pair of gears in said pump housing, inlet and outlet ports in said pump housing, one of said gears being mounted upon said input shaft, a torque absorber in the form of a second gear pump located in said other chamber, said second pump consisting of a pair of gears one of which is fixed to said power output shaft, inlet and outlet ports communicating between said second gear pump and said first chamber, a connection between said output shaft and said rotatable pump housing, said power output shaft being rotated by the reaction of said first gear pump transmitted through said rotatable housing.

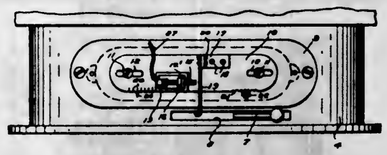
2,484,914
PHOTOELECTRIC KEYBOARD INSTRUMENT
Emeric M. Spielman, Elmhurst, N. Y.
Application February 7, 1947, Serial No. 727,237
2 Claims. (Cl. 84—1.18)

1. In a photo-electric keyboard instrument means to produce a note sounding in several eligible timbres and mixtures thereof, at least one tone disc having a plurality of concentric sound tracks for producing one and the same note in several timbres, a photo-sensitive element on one side of said tone disc, a source of light on the other side thereof projecting a light-line across the said sound tracks, a movable sector-shaped screen coordinated to said tone disc, said screen being provided with a center slot extending radially over the entire width of the sound tracks to make the light-line accessible to all sound tracks and radially extending rows of perforations located on both sides of said center slot to



make part of the light-line accessible to selected sound tracks.

2,484,915
SHUTTER-OPERATED FLASH SYNCHRONIZING SWITCH HAVING ADJUSTABLE MOUNTING MEANS
Victor Strecker, Oakland, Calif.
Application November 5, 1946, Serial No. 707,886
1 Claim. (Cl. 95—11.5)

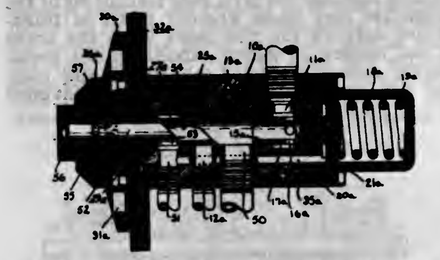


In a camera having a shutter, a housing for the shutter, a pivotal shutter actuating lever and a flash bulb mechanism; means for synchronizing the operation of the shutter and flash bulb mechanism comprising a base plate removably secured to the housing, a support plate slidably carried by the base plate, said support plate having a toothed edge, a rotary gear mounted on the base plate and engaging the toothed edge of said support plate, and a switch mechanism mounted on the support plate, said switch mechanism including a pair of spaced brackets fixed to said support plate, an adjustable screw mounted on one of said brackets and forming a first contact member, and a resilient contact arm fixed to the remaining of said brackets and normally spaced from said screw, said arm being disposed in the path of movement for said actuating lever whereby the latter will force the arm into engagement with said screw upon movement of the actuating lever in one direction.

2,484,916
VALVE
Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application April 14, 1944, Serial No. 531,028
7 Claims. (Cl. 277—59)

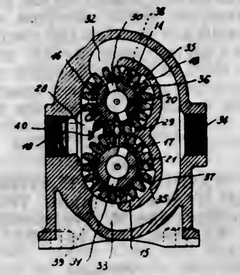
3. In a control valve, a body having a bore with an inlet and a plurality of outlet ports, a plurality of telescopically arranged valve members in said bore for restricting said ports and

each having a beveled end thereon overlying one of said ports, and means of angularly adjusting



said valve members individually for varying the restrictions of said ports.

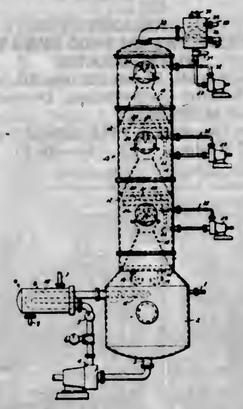
2,484,917
GEAR PUMP
John A. Vertson, Brea, Calif.
Application March 6, 1945, Serial No. 581,199
1 Claim. (Cl. 103—126)



A pump comprising a housing providing two mutually communicating rotor chambers, gear-shaped rotors rotatably mounted on arbors in said chambers respectively and mutually meshing with each other, there being an inlet to the housing on one side of the zone of mesh of the rotors, said housing providing walls in close proximity to the ends of the teeth on the rotors so that as the rotors rotate a high pressure zone will be developed on the opposite side of the zone of mesh from the inlet, there being passages in the rotors between the teeth thereof, there being diametrical passages through the arbors the ends of which are adapted to register consecutively with the passages between the teeth as the rotors rotate, said housing providing outlets adjacent the peripheries of the rotors arranged diametrically opposite across the rotors from the zone of high pressure and said arbor passages together with said passages between the teeth providing communication between said zone and said outlets whereby the effects of pressures on the rotors in the zone of high pressure and in the outlets will be substantially neutralized, and means whereby the rotors may be rotated.

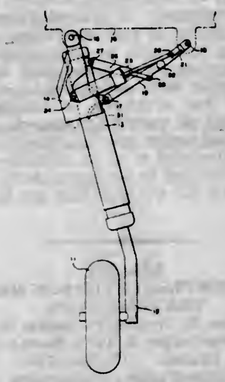
2,484,918
LIQUID-VAPOR CONTACT APPARATUS
Theodore O. Wentworth, Cincinnati, Ohio, assignor to The Vulcan Copper & Supply Company, Cincinnati, Ohio, a corporation of Ohio
Continuation of application Serial No. 430,174, February 10, 1942. This application January 14, 1947, Serial No. 722,054
15 Claims. (Cl. 261—34)

1. In apparatus for contacting gas or vapor with liquid having a plurality of sections, means for spraying a liquid in each of said sections, means for passing a gas or vapor in succession through each of said sections counter-current to the sprays, means for substantially confining the gas or vapor laterally to the space traversed by the



sprays, means for withdrawing the entire body of the spray liquid from each section at the end of the travel therethrough, and pump means for directing the liquid withdrawn from each section except the last through the spray means of the next section.

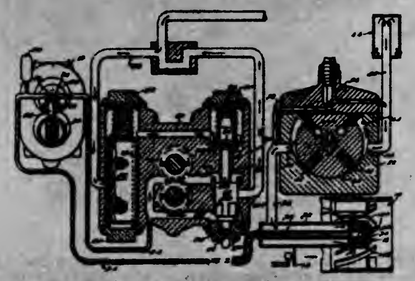
2,484,919
LANDING GEAR
William B. Westcott, Jr., Kingston, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 21, 1947, Serial No. 729,981
8 Claims. (Cl. 244—102)



6. In an aircraft retractable landing gear, a shock strut carrying a landing wheel at one end thereof and pivoted on a first pivot to the aircraft at the opposite end thereof, a folding brace comprising a first link joined to the aircraft by a second pivot and a second link joined by a third pivot to the shock strut, the brace being folded at the juncture of said links in the retracted position of the strut and substantially straight in the extended position thereof, an actuating strut adapted for expansion and contraction respectively to extend and contract the shock strut, said actuating strut being pivoted to the shock strut

at a point closer than said third pivot to the first pivot and being pivoted to the first link at a point substantially intermediate of said second pivot and said link juncture.

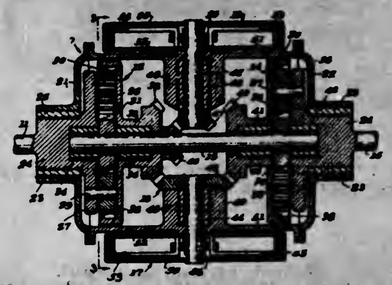
2,484,920
FUEL FEED SYSTEM FOR SPRAY TYPE OIL BURNERS
Robert R. Witherell, Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application October 7, 1946, Serial No. 701,641
7 Claims. (Cl. 158—36.3)



1. An oil burner comprising an air pump, an oil and air mixing nozzle, said air pump being connected with said nozzle for supplying air under pressure thereto, means for flowing air past said nozzle, an oil supply pump, an oil supply line for conducting oil to the suction side of said oil pump, a valve in said line arranged to shut off the flow of oil through said line to said oil pump, an oil metering pump, a line for conducting oil under pressure, discharged by said oil supply pump to the intake of said oil meterng pump, a by-pass around said supply pump and between said oil lines, said by-pass communicating with said first mentioned oil line ahead of said valve, a valve member in said by-pass normally closing said by-pass when said supply pump is not operating, said valve member being moveable to open position in response to the pressure of oil in said by-pass and being engageable with said valve for opening the same, an oil line arranged to conduct oil discharged by said oil metering pump to said nozzle for supplying oil under pressure thereto, said nozzle being constructed so as to mix the oil and air supplied thereto and to discharge such mixture in the form of an oil fog into the air flowing past said nozzle.

2,484,921
DIFFERENTIAL LEVERAGE BRAKE TRANSMISSION
Christian B. Wolff, Jr., Butte, Mont.
Application September 6, 1947, Serial No. 772,528
7 Claims. (Cl. 74—760)

1. A gear transmission comprising a housing, end closures on the housing, input and output spider elements respectively journalled in the closures at opposite ends of the housing, a shaft journalled in the spider elements and extending therebetween and through the housing, sun gears on the shaft, planetary gears on the respective spider elements and meshing with the corresponding sun gears of the shaft, internal ring gears respectively meshing with the respective sets of planetary gears, each of said ring gears having a bevel gear integral therewith and extending toward the center of the housing, a brake device on the exterior of the housing and having a shaft journalled on the housing and extending thereinto, a bevel gear on the brake shaft connecting together the bevel gear formations of the respective ring gears whereby power is transmitted between the ring gears when the brake is not applied, a second exterior, brake device having a shaft extending into the housing from the side opposite to which the first mentioned



brake shaft extends, a gear on the shaft of the second brake device, a gear on the shaft that extends between the spider elements, said gear cooperating with the gear on the shaft of the second brake device, said brake devices being adapted to work in unison to apply one while releasing the other, and common means connected to the brake devices to operate the same.

2,484,922
WINDOW VENTILATOR
Lee G. Allen, Memphis, Tenn.
Application September 6, 1946, Serial No. 695,157
3 Claims. (Cl. 98—99.1)

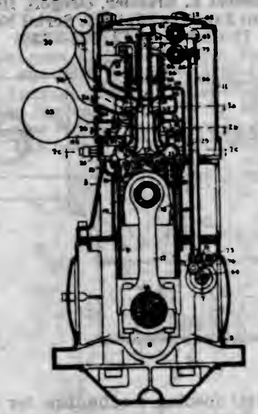


1. The combination with a window comprising an inner sill extending inwardly of a room, of a ventilator comprising a pair of vertical end plates disposed on the sill and a pair of deflector plates connected at their ends to the end plates and disposed in longitudinal edge abutment with one another, one of the deflector plates being inclined upwardly of the room and the other downwardly toward the floor, with the apex of the abutting deflector plates directed outwardly and the bottom edge of the lower deflector plate spaced above said sill.

2,484,923
SCAVENGING TWO-CYCLE INTERNAL-COMBUSTION ENGINE
Karl V. Anderson, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1946, Serial No. 710,579
9 Claims. (Cl. 123—65)

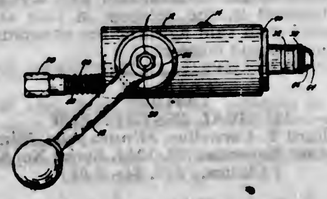
1. In a two-cycle engine the combination of a cylinder having a head formed with inlet and exhaust passages and having an inlet valve seat for controlling the inlet passage; a piston reciprocable in said cylinder and defining therein a working space; inlet and exhaust valves of the

poppet type mounted in said head, the inlet valve coacting with said inlet valve seat and having an exhaust passage and exhaust valve seat arranged to control flow to the exhaust passage in the head, the exhaust valve being materially smaller than the inlet valve and coacting with said exhaust valve seat to control said exhaust passage, said inlet valve and its seat being dimensioned and arranged to supply air to the working space in



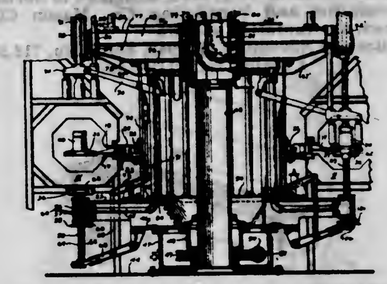
an annular stream adjacent the walls of the cylinder bore; and means for reciprocating said piston and actuating said valves in such timed relation that both valves are closed when the piston is adjacent the head end dead point and as the piston approaches the crank end dead point first the exhaust valve and then the inlet valve open, and both valves close not later than the initial portion of the return excursion of the piston.

2,484,924
FLUID COUPLING
Eric Martin Anderson, Westbrook, Maine, assignor to Utilities Distributors, Inc., a corporation of Maine
Application June 30, 1948, Serial No. 36,245
6 Claims. (Cl. 284—18)



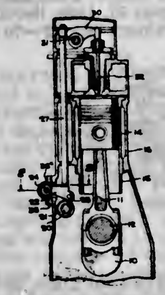
1. A detachable fluid valve coupling unit having, in combination, a housing, an expandable gripper of resilient material carried by the housing for gripping engagement with the internal periphery of the nipple to be coupled, actuating means for the gripper, a fluid conduit defining member shiftable in the housing toward the nipple to be coupled, a shut-off valve assembly carried by the conduit defining member including a tubular conduit extension shiftable relatively to the conduit defining member between an extended valve closing position, and a retracted valve open position, means supporting the extension yieldably in the valve closing position, a resilient nipple engaging sealing surface carried by said tubular conduit extension, and actuating mechanism acting when rendered operative to expand the gripper, and thereafter to shift the conduit defining member to engage said sealing surface with the nipple and to open the valve.

2,484,925
TEMPERING APPARATUS
Clyde A. Baker, Corning, and Ray A. Hinkley, Steuben, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 4, 1947, Serial No. 752,490
10 Claims. (Cl. 49—47)



1. In a glass article treating apparatus, a turret, an endless conveyer having a path of travel extending part way around said turret, article supports arranged on said conveyer, devices associated with said turret for lifting said supports from said conveyer and for returning them thereto in the course of their travel about said turret, means for rotating said devices about their own vertical axes so that articles of ware on said supports are rotated while in their lifted positions, and means for directing a fluid medium against the surfaces of articles of ware while they are being rotated about their own axes.

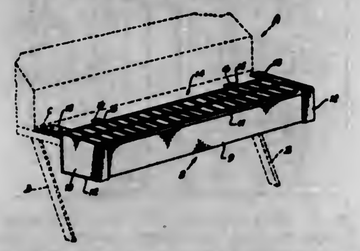
2,484,926
INJECTOR OPERATING MECHANISM FOR INTERNAL-COMBUSTION ENGINES
Donald R. Bennett and Pat Bennett, Monterey Park, and Richard C. Young, Downey, Calif., assignors of one-half to F. A. Shimer, Los Angeles, Calif.
Application November 1, 1947, Serial No. 783,560
4 Claims. (Cl. 123—90)



1. In an internal combustion engine, the combination comprising: a rotatable cam shaft; a stationary shaft having two concentric bearings and a third bearing intermediate the first two, the third bearing having its axis eccentric with respect to the other bearings and the axis about which said shaft can be turned; a rocker lever mounted on each of the bearings and oscillated by the cam shaft; a push rod reciprocated by each of the rocker levers; and mounting means

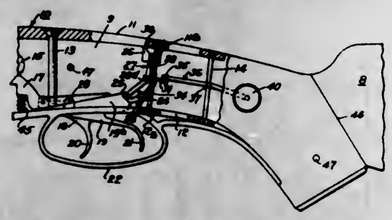
for said stationary shaft in which the shaft can be turned to selected positions about the axis of said concentric bearings, in order to shift said third rocker lever with respect to the cam shaft substantially longitudinal of said rocker lever, the other two rocker levers remaining unchanged in position when the third one is shifted.

2,484,927
DROPPINGS CATCHER
Robert E. Blake, Paul Grange, and Walter L. Thomas, Mason City, Iowa, assignors to Northco Insulating and Ventilating Co., Mason City, Iowa, a corporation of Iowa
Application November 27, 1946, Serial No. 712,592
1 Claim. (Cl. 119—51)



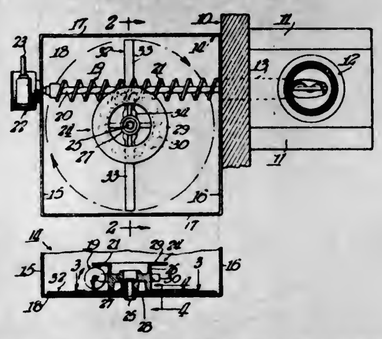
In a structural assemblage of the class described, in combination, a poultry feeder of a substantially conventional stand-type comprising a stand structure, an open top feed box mounted thereon, and a horizontal board associated with said box and constituting a combined runway and poultry roost; a U-shaped bracket situated at each end of said board, the end portions of the respective brackets adjacent to said board having horizontal attaching lugs, said lugs being secured transversely to end portions of said board; an open top box having end portions saddled and thus seated removably in and embraced by the respective U-shaped brackets; and a grill-like grating closing the open top of said box and having hinges connected with said horizontal board.

2,484,928
SAFETY DEVICE FOR GUNS
John Frank Boone, Long Lake, N. Y.
Application August 31, 1946, Serial No. 694,215
7 Claims. (Cl. 42—70)



1. In a safety device for guns, the combination of a gun stock and a tang structure inserted thereinto, a gun trigger having a plate portion extending within the tang structure, a safety block for engaging said plate portion of the trigger, means for automatically moving the safety block into engagement with the trigger plate to lock the trigger against movement, and means for releasing the safety block from engagement with the trigger, said last mentioned means including a manually depressible member on the outer sidewall of the stock rearwardly of the trigger, and sufficiently close to the bottom of the stock whereby it may be depressed inwardly by a finger of the trigger-engaging hand which passes under the stock rearwardly of the trigger.

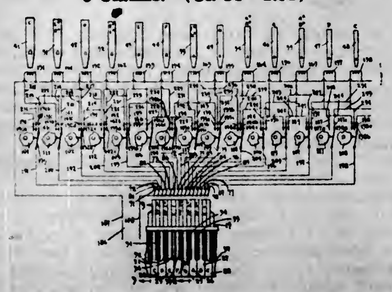
2,484,929
FUEL FEEDING MECHANISM FOR STOKERS
Robert E. Bressler, Oregon, Ill.
Application January 25, 1945, Serial No. 574,518
12 Claims. (Cl. 222—236)



1. In a fuel feeding mechanism for stokers, a fuel hopper having a bottom, a fuel conduit leading from the hopper, substantially horizontally disposed means for moving fuel from the hopper into and through said conduit, agitator means rotatively mounted on the hopper bottom, and a member rotative about the axis of said agitator means and located under said fuel moving means for sweeping over the bottom of said hopper.

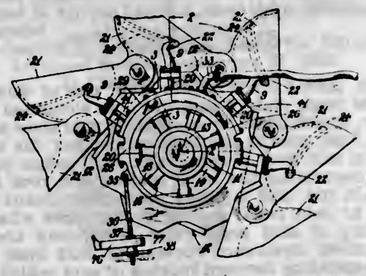
6. In a fuel feeding mechanism for stokers, a fuel hopper having a bottom, a fuel conduit leading from the hopper, means for moving fuel from the hopper into and through said conduit, agitator means, means rising from the hopper bottom and about which said agitator is rotatable, said agitator means having an upright skirt substantially engaged upon said bottom and which skirt has downwardly opening recesses in its bottom margin, and means including a plurality of sweep arms rotative about said axis and having parts disposed in the recesses in said skirt to be rotative with said agitator for sweeping over the bottom of said hopper.

2,484,930
MUSICAL INSTRUMENT
Richard T. Cornelius, Minneapolis, Minn.
Application November 22, 1944, Serial No. 564,573
3 Claims. (Cl. 84—1.01)



3. In a musical instrument having tone generators, digitals corresponding therewith, means for effecting control of said generators by their corresponding digitals and means for retaining control of certain of said generators by their corresponding digitals and for concurrently shifting control of certain of the other of said tone generators to the digitals adjacent the digitals corresponding therewith.

2,484,931
BUCKET ELEVATOR
Frank Hernaman Cothay, London, England, assignor of one-half to London Tin Corporation Limited, London, England, a British company
Application March 17, 1947, Serial No. 735,160
In Great Britain November 13, 1946
11 Claims. (Cl. 198—229)



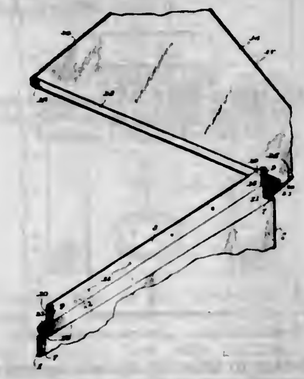
1. In a bucket elevator the combination of a supporting structure, an upper tumbler rotatably mounted thereon, an endless bucket chain passing over the tumbler, a rotary valve member distinct from but rotatable with the tumbler, a fixed valve member coacting with the rotary valve member, a water supply connection on the fixed valve member, delivery pipes secured to the tumbler extending from the rotary valve member to points on the tumbler where they come into coacting proximity to the buckets in the position where the buckets pass over the tumbler, nozzles on the pipes and ports in the buckets to register with the nozzles on the pipes, the valve members having ports so situated that communication with the supply is established throughout the segment of the rotation when the nozzles are in register with the ports in the buckets.

2,484,932
VAPOR PRESSURE TYPE THERMAL POWER ELEMENT
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 29, 1946, Serial No. 713,047
10 Claims. (Cl. 60—23)



4. A vapor pressure type thermal power element comprising volatile matter and as a casing and as an electrical heater for said volatile matter a metal tube with electrical resistance properties having its ends sealed and having medially of its ends a flattened section with normally contiguous yielding walls to be spread by internal pressure.

2,484,933
METAL FILE CABINET
John Coyle and William F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 16, 1946, Serial No. 670,207
1 Claim. (Cl. 220—31)

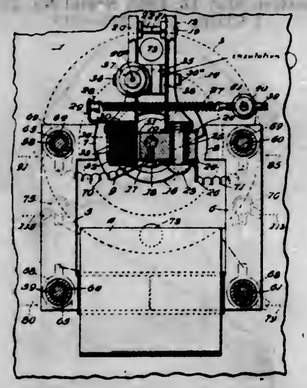


A metal file cabinet comprising a body having flat front, back and side walls, said side walls at their upper ends being inclined upwardly from front to back, said body walls being bent so as to extend inwardly and thence upwardly, a reinforcing metal strip bent upon itself and embracing the upwardly extending portion of the body walls all the way around the open end of the body, said strip being secured to the body as a unit, the outer member of the strip being rolled into a bead having a rod disposed therein and encircling the end, said bead contacting the inwardly bent part of the body wall so as to provide a strengthened open end, a cover similar in shape to said body and dimensioned so as to telescope over the inset portion of the body wall, said cover having the lower edge thereof rolled inwardly into a bead adapted to rest when in closed position on the bead of the reinforcing strip attached to the body, said rear wall of the cover having integral extensions encircling the rod contained in the bead of the reinforcing strip at spaced intervals for hingedly connecting the cover to said body.

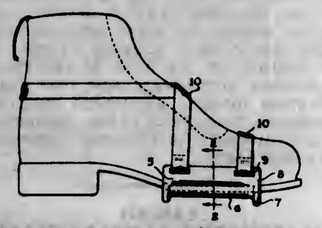
2,484,934
ALTERNATING CURRENT RELAY
Michael Debrey, East Moline, Ill.
Application October 15, 1946, Serial No. 703,409
23 Claims. (Cl. 200—91)

1. In a voltage regulator, the combination of a supporting frame, a vibratory unit supported by said frame and including a shaft mounted for oscillation on said frame, a base member fixed between its ends to said shaft, a contact-carrying arm having one end secured to and insulated from said member on one side of said shaft, a second contact-carrying arm disposed substantially parallel with the first one and having one end pivoted to said member on the other side of said shaft, coacting contacts carried by the free ends of said arms, a bumping roller journaled on the intermediate portion of said pivoted arm, an armature fixed between its ends to said shaft and so constructed as to be oscillated when an alternating magnetic flux is applied directly thereto and a ballast element fixed to said shaft and being of relative large weight, a fixed stop of insulation supported by said frame and disposed

between said arms for coaction with one side of said roller, a yieldable spring stop supported by said frame and disposed for coaction with the other side of said roller, a spring connected between said frame and said pivoted arm for moving the latter to urge its contact toward the coacting contact, and spring means connected between said frame and said oscillatory unit for biasing said armature to cause it to assume a definite position for a given magnetic force acting thereon.



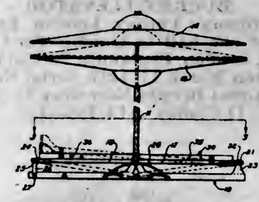
2,484,935
SOLE PROTECTOR
Edward Francis De Rooy, Alberni, British Columbia, Canada, assignor of one-third to Thor Melanchton Peterson, Port Alberni, British Columbia, Canada
Application September 5, 1947, Serial No. 772,336
2 Claims. (Cl. 36—72)



1. A sole protector comprising an integral sole-engaging plate arced longitudinally, upstanding side flanges on opposite sides thereof, spaced longitudinal slots near the top of said side flanges, complementary strap and buckle assemblies attached thereby, sole edge-receiving grooves on the inside of said side flanges at the base thereof and following the longitudinally arced contour of the plate and transversely extending shovel top edge restraining projections depending from the underside of said plate across the bottom thereof at both front and rear.

2,484,936
STRIKER OPERATOR FOR MUSICAL INSTRUMENTS
Emery Dense, Mishawaka, Ind.
Application November 21, 1947, Serial No. 787,365
7 Claims. (Cl. 84—422)

2. An instrument beater operator comprising an elongated base, means clamping an instrument to one end of said base, a beater for said instrument, means rockably supporting said beater from said base, a spring constantly urging said beater to inoperative position, said beater including a horizontally disposed shaft, a crank arm fixed to one end of said shaft, a pedal rockably carried by said base, a pair of elongated links, means rockably mounting the outer ends of said links on said base, a vertically disposed guide carried by said base, a slide rod engaging said guide, means securing the lower end of said rod to the inner ends of said links, an elongated rock lever, means rockably supporting said lever above said base, means pivotally connecting the outer end of said lever to said crank arm, means pivotally connecting the inner end of said rock lever to said rod, and laterally projecting means carried by said pedal overlying said links whereby rocking of said pedal from either end thereof will effect downward rocking of said links and corresponding forward rocking of said beater.



2,484,937
MANUFACTURE OF LEATHER BELTING
Ingram Dickinson, Atlanta, Ga., assignor to Southern Belting Company, Atlanta, Ga., a corporation of Georgia
Application January 21, 1947, Serial No. 723,279
3 Claims. (Cl. 69—21)



1. A continuous method of preparing a strip of leather for adhesive bonding which includes the steps of roughening one face of the strip, feeding the strip along a predetermined path upon a supporting surface, subjecting the strip while in motion to the action of heat sufficient to raise its temperature above 100° F. while moving in a preliminary portion of said path, applying a coating of cement to the roughened face of the strip immediately following the heating operation, conjointly controlling both the feeding movement and the heating of the leather, and drying the coating of cement by moving the coated strip along a subsequent portion of the path.

2,484,938
PRESSURE-SENSITIVE ADHESIVE TAPE
Clarence Joseph Ebel, West St. Paul, and Richard Gurley Drew, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application October 4, 1943, Serial No. 504,906
3 Claims. (Cl. 260—19)

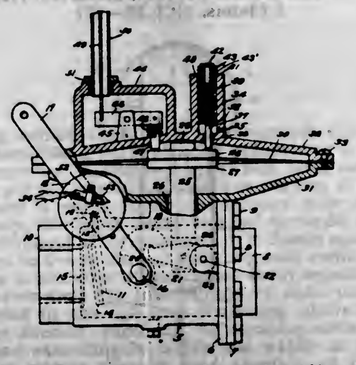
3. A pressure-sensitive adhesive tape characterized by having a coating of a stably tacky cucohesive varnish-oil-base rubberless pressure-sensitive adhesive reaction product formed by subjecting to internal mixing and heating a bodied varnish oil, a lesser proportion of a compatible zinc-resinate tackifier resin in amount not exceeding about one-half the weight of said oil, and a sufficient amount of a sulfur vulcanizing agent and an oil-soluble heat-reactive phenol-aldehyde resin to provide for reaction with the mixture of oil and resin to a crumbly and non-smudging stage but not far beyond such stage, the said mixing and heating being carried out at a temperature of the order of 300° F. and until a crumbly and non-smudging stage is reached at which the adhesive product is stably tacky and more cohesive than adhesive at room temperature.

2,484,939
WHEELED VEHICLE FOR CHILDREN
Thomas William Fassett, Hayes, England, assignor to Alltoys Limited, Brentford, Middlesex, England
Application October 2, 1946, Serial No. 700,640
In Great Britain November 22, 1945
13 Claims. (Cl. 280—42)



1. A wheeled vehicle for children, comprising a pair of side members each carrying a wheel supported thereon by a stub axle, a flexible seat extending between the side members, a flexible back rest supported by the side members, a pair of foot rests hinged at their outer ends to the side members, a central towing bar, a sleeve on the towing bar, a system of pivoted links between the sleeve and towing bar and the side members, the sleeve being slidable on the towing bar to alternative end positions in one of which the link system maintains the side members in spaced relation to hold the seat and foot rests extended, and in the other of which the side members are collapsed against the towing bar and the seat and foot rests folded, and means for latching the sleeve in its first mentioned end position.

2,484,940
VALVE
George W. Franzheim, Dunkirk, N. Y.
Application July 3, 1947, Serial No. 758,958
4 Claims. (Cl. 137—139)



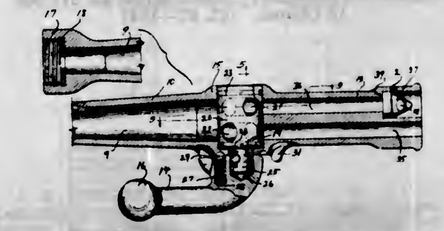
3. In a safety device for automatic cut-off valves having a diaphragm mounted in a diaphragm casing, a rod mounted in the diaphragm casing in position to engage the diaphragm at one end, a fusible spacer interposed between the other end of the rod and the diaphragm casing, a soluble spacer carried by the rod adjacent the fusible spacer, and yielding means tending to urge the rod pressingly against the diaphragm on melting of either spacer.

2,484,941
CLOTHESLINE
Frank L. Grant, Jr., Terrace Park, Ohio
Application November 20, 1947, Serial No. 787,138
7 Claims. (Cl. 211—119.13)



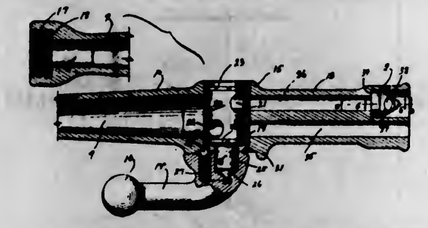
2. A clothes line of the character described comprising an elongate, channel-like member having spacedly-opposed, resiliently-separable side walls, parallel, free edge margins on said walls defining a variable-width throat longitudinally of said member, complementary ribs integral with said side walls adjacent the free edge margins thereof extending oppositely and inwardly therefrom in slidably overlapped, closing relation with said throat in minimum width condition of the latter, and means slidably carried by said member manually actuatable to separate the member free edge margins for throat-opening spacing of the associated rib edges at any selected point of the member length.

2,484,942
NOZZLE CONSTRUCTION
Arthur B. Guise, Marinette, Wis., assignor to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
Application March 28, 1946, Serial No. 657,657
3 Claims. (Cl. 169—1)



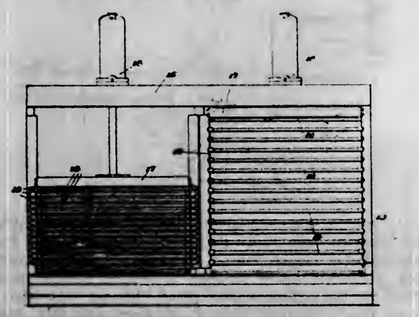
1. A dual-stream nozzle for selectively emitting streams of relatively different velocities but having substantially the same rates of flow comprising a nozzle body having a smooth bore intake duct, a rotatable valve plug closing one end of said duct, spaced ports of substantially equal cross-sectional area provided in said valve plug, a discharge nozzle portion communicating with said valve plug, said discharge portion having two separate substantially parallel stream channels of substantially equal cross-sectional area adapted to communicate selectively with said valve plug ports, one of said channels being provided with means adjacent the mouth thereof for substantially reducing the velocity of the emitted stream in relation to the stream velocity within said stream channel and predetermining the shape of the emitted stream.

2,484,943
NOZZLE FOR SPRAYING DRY CHEMICALS
Arthur B. Guise and Theodore W. Johnson, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
Application March 28, 1946, Serial No. 657,658
4 Claims. (Cl. 169—1)



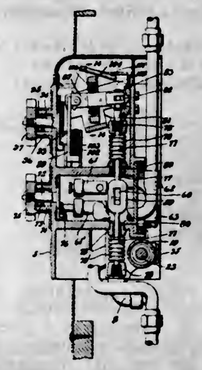
1. A nozzle for producing streams of comminuted free flowing materials having a predetermined shape and velocity comprising a chamber opening outwardly, a nozzle tip positioned within said chamber spaced inwardly from the said chamber opening, a plurality of orifices in said nozzle tip to produce individual streams for impingement against the inner walls of said chamber, the inner walls being substantially parallel to the longitudinal axis of said nozzle, said walls redirecting said streams essentially forwardly of the nozzle to join other like redirected streams and to emerge from said chamber while recombining the major portions of the streams outside of the nozzle to form a combined stream, the said orifices in said nozzle tip being positioned at a distance from the said chamber opening to substantially predetermine the shape and velocity of the emitted stream.

2,484,944
REFRIGERATING APPARATUS
Bicknell Hall, Boston, Mass., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application December 7, 1943, Serial No. 513,262
12 Claims. (Cl. 62—104)



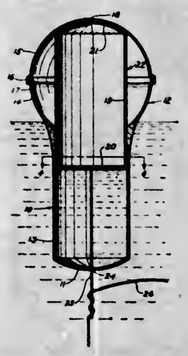
9. Refrigerating apparatus comprising a frame, a stack of substantially horizontal refrigerated plates disposed vertically above one another within the frame, said plates being relatively separable to open the stack for insertion of products to be refrigerated between the plates and relatively approachable to close the stack for engagement and refrigeration of inserted products between the plates, and means for opening and closing the stack comprising power means on the frame for moving one end plate of the stack between open and closed positions, the other end plate being connected to the frame and forming an abutment against which the stack is closed, and suspension members for suspending the plates one from another in separated position when the stack is opened, said members extending between and being rigidly connected to the plates and being flexible and bending intermediate their adjacent points of connection to the plates to allow said plates to approach one another when the stack is closed.

2,484,945
AUTOMATIC FLUID MIXING APPARATUS
Cleburne B. Hatfield, Cookeville, Tenn.
Application December 10, 1945, Serial No. 633,944
10 Claims. (Cl. 236—12)



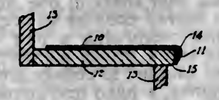
3. A fluid temperature regulator of the character described comprising a mixing valve chamber having hot and cold fluid inlets, a valve to control the proportionate flow of hot and cold fluids to said mixing chamber, a bar for adjusting said valve to regulate the proportion of hot and cold fluid admitted to said mixing chamber, independent thermal elements actuated by the changes in temperature of the hot and cold fluids, and interconnected means actuated by said thermal elements operable to alter the position of said bar in accordance with the change in temperature of the hot and cold fluids.

2,484,946
BOBBER FOR FISHLINES
Leo H. Herman, St. Louis, Mo.
Application October 14, 1947, Serial No. 779,774
3 Claims. (Cl. 43—17)



3. A bobber comprising a hollow body formed of a cylindrical lower portion adapted to be submerged in water and formed with a substantially globular upper portion adapted to be normally disposed above the water surface, said upper portion having an air vent opening therein, at least a portion of said globular upper portion being transparent, a closed signal member slidable in said body and formed of luminous characteristics, said body being formed with openings in the lower portion thereof whereby water may enter said body below said signal member and normally force the latter upwardly into the transparent upper portion of said body, an elongated rod fixed to said signal member and loosely extending through the bottom of said body, and means carried by said rod for securing the latter to a fishline, pull on said fishline effecting downward movement of said signal member in said body and forcing water in the lower portion of said body outwardly through said last mentioned openings.

2,484,947
STEP TREAD
Rudolph Hovan Hocutt, Charlotte, N. C., assignor to Southern Friction Materials Company, a corporation of North Carolina
Application June 21, 1945, Serial No. 600,758
1 Claim. (Cl. 20—79)



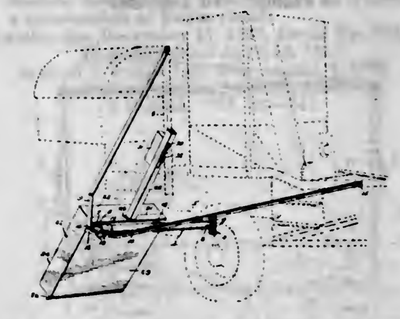
A step covering formed of relatively rigid, inherently resilient thermosetting resin-impregnated fabric material comprising a flat tread portion and a flanged nose portion adjacent one side edge, said nose portion having a flat flange portion projecting downwardly from and parallelly underlying the tread portion at substantially a 60° angle and a curved portion interconnecting the tread and flange portions, and said curved portion having a radius of at least twice the thickness of the resin-impregnated fabric material from which the step covering is formed.

2,484,948
NAIL EXTRACTOR FOR PNEUMATIC TIRES
Antonio Iafrate, Detroit, Mich.
Application November 2, 1948, Serial No. 57,867
4 Claims. (Cl. 280—158)



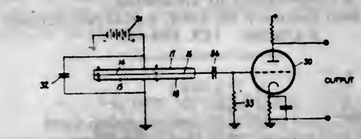
2. In combination with a pneumatic tire of an automobile a nail extractor comprising a flat body member, means to support said body member in a fixed relation of the shoe portion of the tire, and a comb integrally formed with said flat body, the comb being inclined towards, and being disposed at its outer end in a closely spaced relation to the surface of said tire, said comb including a plurality of individual teeth separated by narrow slots for interception of nails partly imbedded in the tire and projecting above the surface thereof, each slot terminating with an aperture exceeding in width the width of said slot for release through said aperture of nails intercepted by said teeth.

2,484,949
THRESHED GRAIN BUNCHER
Arthur E. Jacobs, Kiowa, Kans.
Application August 16, 1948, Serial No. 44,520
4 Claims. (Cl. 298—17)



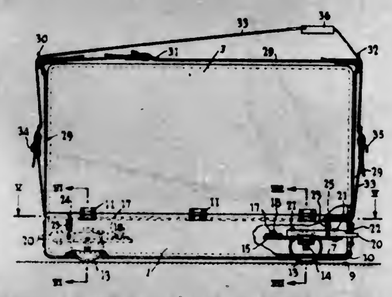
2. A grain buncher attachment for a harvester comprising a laterally extending fixed tubular axle, a stub axle detachably supported in the outer end of said fixed axle, reinforcing braces attached to the outer end of said stub axle adapted to be fixed to a harvester, transversely spaced bearing collars on said fixed axle, a supporting angle iron and member welded to said collar, a hopper supported by said end member, a U-shape weight supporting arm secured to said end member in opposed relation to said hopper, said arm being longitudinally slotted adjacent its outer end, and a weight supported by said arm having a securing bolt adjustably disposed through said slot.

2,484,950
BENDER TYPE ELECTROMECHANICAL DEVICE WITH DIELECTRIC OPERATING ELEMENT
Hans Jaffe, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application April 9, 1947, Serial No. 740,461
6 Claims. (Cl. 171—327)



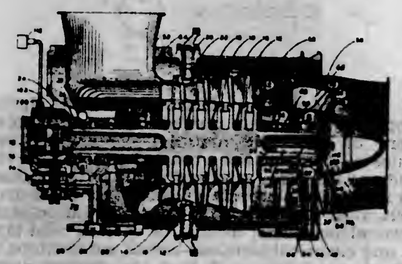
1. A bender-type electromechanical device comprising, an even number of superimposed layers of dielectric material comprising two groups of elements one group of which is to expand and the other group of which is to contract and vice versa to provide a bender-type of electromechanical transducer element, unidirectional electrical-polarizing means for each of said layers, and electrical terminal-circuit connections to each of said layers such that the charges associated with a theoretical application of voltage thereto are of the same sign in each of said layers of one of said two groups of elements as the charge in each such layer due to said polarizing means while the charges in each of said layers of the other of said two groups of elements due to said applied voltage are of opposite sign from the charge in each such layer due to said such polarizing means whereby said device can be used to convert bending movements of said such transducer element into electrical energy or vice versa.

2,484,951
RETRACTABLE WHEELED SUPPORT FOR LUGGAGE
Gerald G. Kuhn, New York, N. Y.
Application August 7, 1947, Serial No. 767,011
6 Claims. (Cl. 280—33)



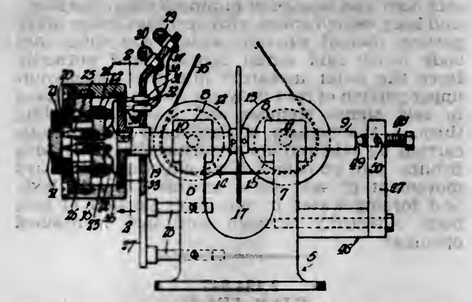
1. A luggage carrier comprising a carrier frame for supporting a piece of luggage, a platform carrying a pair of wheels adapted to be lowered or raised into and out of contact with the pavement, and at each end of said carrier frame, the inner end of each of said platforms being transversely pivoted in the sides of said frame, the outer end of each of said platforms being provided with a raising and lowering bar extending through an aperture in the end wall of said frame and engaging with a notched plate mounted at said aperture for holding said bar in the raised and lowered position, and springs mounted in said frame and connected to said platforms for holding the said bars in the lowered position under tension and retracting and holding under tension the said bars when they are moved to the raised position.

2,484,952
TURBINE LUBRICATION MEANS
Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,064
9 Claims. (Cl. 184—6)



1. A turbine having a rotor, a bearing for the rotor, a housing for the bearing having a scavenge chamber adjacent the bearing to collect oil from the bearing and means for pumping oil from said chamber, in combination with means for maintaining pressure in said chamber, said last means including means for supplying gas under pressure to said chamber, a vent for said chamber and a control valve on said vent for maintaining the desired pressure.

2,484,953
THREAD INSPECTING OR GAUGING APPARATUS
Henry T. Lorens, Chicago, Ill., assignor, by mesne assignments, to Harry J. Graw, Chicago, Ill.
Application March 12, 1945, Serial No. 582,328
3 Claims. (Cl. 33—199)

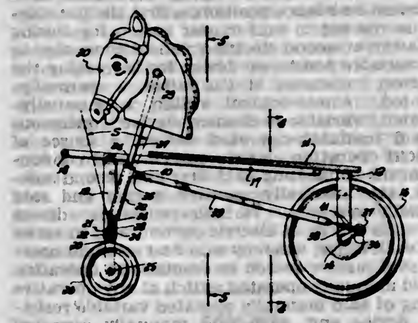


3. Apparatus for gauging the effective length of thread on a work piece and embodying therein a shaft, stationary means in which said shaft is mounted for a rotation, as well as for a limited endwise movement in either direction, means for rotatively driving said shaft in one direction or the other when moved endwise in one direction or the other and comprising a pair of spaced driving members and a driven member mounted on the shaft and adapted to engage alternatively the driving members, a head operatively secured to said shaft and adapted to carry a thread gauge, "go" indicating means and "no go" indicating means for said work piece, "go" and "no go" feelers carried by said head and associated with said "go" and "no go" indicating means respectively and adapted for engagement by the work piece being gauged for effective length of thread when operatively presented to the thread gauge, a circuit for said indicating means and including distributing rings carried by said head, one for each feeler and electrically connected thereto and brushes carried by said stationary means and each engaged with an associated ring for closing said circuit to either of said indicating means when the associated feeler has been engaged by the work piece being gauged, and means carried by said stationary means axially in line with the other end of the shaft to provide a torque control for said shaft to limit the axial pressure imposed upon said driven member by one driving member in presenting said work piece to said gauge.

2,484,954
CHILD'S VEHICLE
Vincent Marasco, Los Angeles, Calif.
Application October 10, 1945, Serial No. 621,477
2 Claims. (Cl. 280—240)

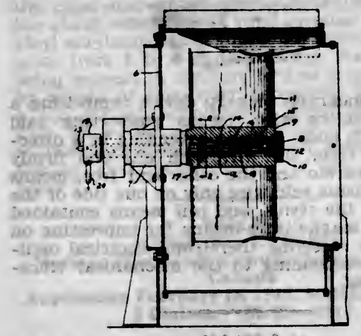
2. A vehicle comprising a body provided with a seat and with guide means forwardly of said seat extending longitudinally of said body, driving wheels rotatably mounted on the rearward portion of said body, steering means mounted on the forward portion of said body for rotation about an approximately vertical axis, front wheel means rotatably mounted on said steering means, an upwardly extending rod located forwardly of said seat, universal joint means connecting said rod to said steering means to cause rotation of said steering means upon rotation of said rod while permitting relative angular movement of said rod, said rod engaging said guide means to constrain said rod to angular movement in a

vertical plane longitudinal of said body, handle means secured to said rod above said guide means, drive mechanism connecting said rod to said driving wheels to cause rotation of said driving wheels upon forward and backward angular movement



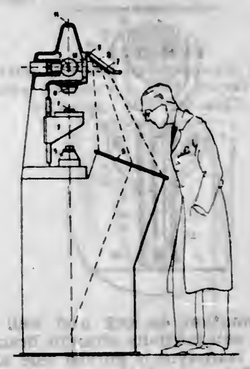
of said rod, said drive mechanism including a detachable connecting rod member, and means for securing said upwardly extending rod to said body to prevent said relative angular movement of said rod.

2,484,955
HIGH-TEMPERATURE FAN
Harry E. Morton, Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application February 19, 1946, Serial No. 648,652
2 Claims. (Cl. 230—269)



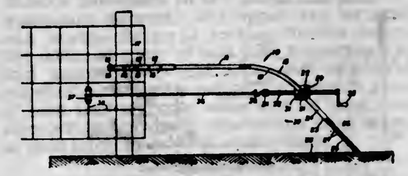
1. A fan comprising a shaft having a central, longitudinal opening therein, a hub on said shaft, said shaft having an annular recess within said hub, said shaft having circular openings connecting said central opening and said recess adjacent one end of said hub and having other circular openings connecting said central opening and said recess adjacent the other end of said hub, a liquid supply tube extending into said central opening at one end of said shaft and terminating adjacent said first mentioned circular openings, said tube having a smaller outer diameter than the diameter of said central opening, said tube supplying cooling liquid into said central opening and through said first mentioned circular openings into said recess for cooling the inner surface of said hub, said other circular openings returning said cooling liquid from said recess into said central opening, said shaft having means at said one end for exhausting said cooling liquid, and means forming a dam between said first mentioned circular openings and said other circular openings, and in contact with the outer surface of said tube and the inner surface of said shaft.

2,484,956
PROJECTION APPARATUS HAVING OPAQUE SHUTTER AND SCREEN ILLUMINATION MEANS
André Mettu, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, a corporation of Switzerland
Application December 17, 1947, Serial No. 792,271
In Switzerland April 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 13, 1965
2 Claims. (Cl. 88—24)



1. In projection apparatus, the combination comprising, a source of light, a housing carrying said source and having a downwardly directed aperture aligned with said source, an object-supporting table arranged below the housing and aligned with said aperture, an outwardly declining translucent screen disposed at the front of said apparatus, means including a condenser and projecting a magnified image of the object on said table onto the underside of the translucent screen, a second laterally directed aperture in the housing and aligned with the source, and an opaque shutter having a reflective under surface mounted on the housing and movable from a position obturating the second aperture to an open position reflecting a portion of the light onto the upper surface of said screen whereby obstruction of the light from said reflective surface by the operator is prevented.

2,484,957
WIRE STRETCHER
Walter W. Parks, Bloomington, Ind.
Application February 3, 1947, Serial No. 726,067
7 Claims. (Cl. 254—67)



2. A wire stretcher comprising an elongated member, a sleeve slidably mounted on one end of said member, means for holding said sleeve in a selected adjusted position relative to said member, a flexible strap carried by said sleeve for engaging a post, an arcuate fork at the opposite end of said member, extendable arms carried by the outer terminals of said fork, a block pivotally carried by said fork, a screw threaded rod re-

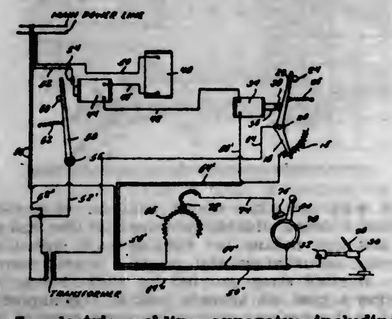
ceivably engaging said block, an elongated flexible element, means connecting said flexible element to said rod, and means for connecting said flexible element to a fence wire.

2,484,958
COMBINED OARLOCK AND WELL BRACKET
Erland S. Preston, Milwaukee, Wis.
Application May 7, 1946, Serial No. 667,846
2 Claims. (Cl. 9—26)



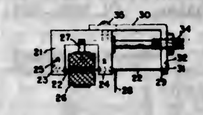
1. A combination oarlock and well bracket, comprising a substantially straight bracket body formed with transversely curved side and front walls and a flat and solid rear wall, said curved and flat walls extending throughout the length of the bracket body, substantially co-planar flat attaching wings integral with the opposite and curved side walls of the bracket body and contiguous with and parallel to its flat rear wall, said bracket body having a way formed in and extending longitudinally therethroughout opening onto its opposite ends and a slot formed in and extending longitudinally throughout its front wall communicating with said way, an oarlock, a shank of cross-sectional size less than the width of the bracket slot extending from the bottom of said oarlock rotatably and slidably received in the way of the bracket body and having a portion thereof rotatably and removably seated in the upper end of said way, and a pin engaged in and across the lower and open end of the bracket way below the adjacent end of said shank.

2,484,959
ELECTRIC WELDING APPARATUS
Calvin Waldo Rodekopp, Butterfield, Minn.
Application January 30, 1945, Serial No. 575,264
2 Claims. (Cl. 323—94)



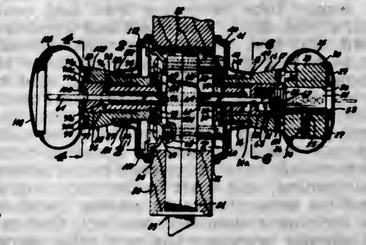
1. In electric welding apparatus including a master switch controlling the operation of such apparatus and a variable resistance device controlling the amperage of the welding current output of the apparatus, resilient means connected to said master switch urging the latter to open position, resilient means connected to said variable resistance device urging the latter to a minimum resistance position, a first electric solenoid connected to said master switch for closing the latter, a second electric solenoid connected to said variable resistance device for increasing the electrical resistance of the latter, a manually-operated, remote-control switch, a manually-operated, variable-resistance device contiguous to said manually-operated switch, a source of solenoid operating electric current, and conductor means connecting said first and second solenoids, said manually-operated switch and said manually-operated, variable-resistance device with such source of electric current and in series with each other, whereby said first solenoid operates said master switch in response to operation of said manually operated switch at any operative setting of said manually operated variable resistance device and, with said manually operated switch closed, said manually operated variable resistance device controls the setting of said solenoid operated variable resistance device.

2,484,960
PHONOGRAPH PICKUP UNIT
Stanley R. Rich, Cambridge, Mass., assignor to Tobe Deutschmann, Canton, Mass.
Application March 8, 1946, Serial No. 652,826
8 Claims. (Cl. 179—100.41)



1. A phonograph pick-up device comprising a magnetostrictive wire, means supporting said wire at both ends, a stylus extending in a direction away from the wire with one end firmly attached thereto and the other end free, means for magnetizing said wire only on one side of the position of the stylus, and coil means contained within the magnetizing means for impressing on the wire or receiving therefrom, electrical oscillations corresponding to the mechanical vibrations thereof.

2,484,961
DOOR LOCK
Fred J. Russell, Beverly Hills, and George B. Solovieff, South Gate, Calif., assignors to Weiser Company, South Gate, Calif., a corporation of California
Application August 9, 1948, Serial No. 43,212
18 Claims. (Cl. 70—217)



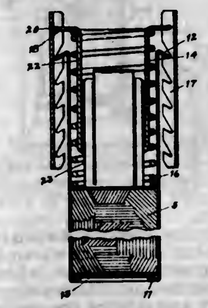
1. A door lock comprising inner and outer knob assemblies, the inner knob assembly being axially

movable to extended and retracted positions, means associated with said knob assemblies adapted to actuate a latch upon rotation of either of said knob assemblies, means associated with said inner knob assembly adapted to prevent rotation of either knob assembly upon retracted positioning of said inner knob assembly and to permit rotation of both knob assemblies upon extended positioning of said inner knob assembly, means associated with said inner knob assembly adapted upon rotation to move said inner knob assembly from retracted to extended position where it is free to rotate, a rotatable key actuatable lock associated with said outer knob assembly, and means interconnecting said rotatable lock and said means associated with said inner knob assembly adapted to communicate key rotation of said rotatable lock to said last named means to move said inner knob assembly to said extended position where it is free to rotate.

2,484,962
DIOLEFIN-NITRILE COPOLYMER BATH FOR SHRINKPROOFING WOOL
John B. Rust, Montclair, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application September 7, 1945, Serial No. 615,098
4 Claims. (Cl. 260—29.1)

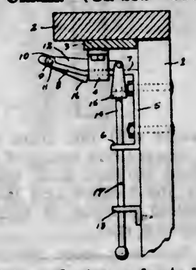
1. A bath suitable for shrinkproofing wool while retaining substantially normal hand which comprises an aqueous substantially stable emulsion of a copolymer of 100% polymerization, of butadiene 1.3 and from 10 to 40% by weight of the copolymer of an acrylonitrile selected from the group consisting of vinyl cyanide and alpha-alkyl acrylonitriles in which the alkyl group contains from 1 to 4 carbon atoms, the copolymer being present in amount to give from 1 to 25% by weight of copolymer deposition on the wool, a non-cationic emulsifying agent, and at least 25% by weight on the copolymer of a water-soluble neutral salt of an alkali metal as conditioning electrolyte, the pH of the bath being below 7.

2,484,963
COOKING UTENSIL
Norman Mandelson Samuel, Ottawa, Ontario, Canada
Application February 15, 1945, Serial No. 577,998
2 Claims. (Cl. 99—351)



1. A cooking utensil comprising a casing having at least one open end and a pressing assembly fittable into the open end comprising a U-shaped frame having outturned ends extending over the rim of the casing, an inverted U-shaped frame looped over the closed end of said first mentioned frame and having its open end extending into the casing, a cover plate snugly fittable into the casing adjacent to the open end of the inverted U-shaped frame, a spring enclosing said U-shaped frames and positioned between the outturned ends of the first mentioned U-shaped frame and the cover plate and fittable into the casing adjacent to the interior walls thereof to contact the cover plate adjacent to the periphery thereof, and means connected to the outturned ends of said first mentioned U-shaped frame exterior of said casing for locking said spring under compression.

2,484,964
LATCH
Otto C. Sare, Indianapolis, Ind.
Application January 4, 1946, Serial No. 638,940
1 Claim. (Cl. 292—237)



In a latching device adapted to engage a U-shaped keeper dependingly supported from the top of a door and spaced from a door, a supporting bracket adapted to be arranged in abutting relation with said door and fixedly secured to the latter, a horizontally disposed arm positioned adjacent the upper end of said bracket and having one end fixedly secured to the latter, said arm normally extending through said keeper and having a longitudinal slot extending inwardly from the free end thereof, a latch member positioned in aligned relation with respect to the longitudinal slot in said arm and having one end mounted on the other end of said arm for swinging movement about a horizontal axis, said latch member having a detent dependingly supported intermediate its ends, said detent normally extending through said slot and being adapted to engage the bight portion of the U-shaped keeper, and hand actuable means carried by the other end of said latch member for rotating the latter whereby said detent is brought out of engaging relation with the keeper, said last named means comprising a vertically disposed rod arranged in parallel spaced relation with respect to said bracket and mounted for slidable movement in the latter, a U-shaped yoke positioned adjacent the upper end of said rod and having its bight portion fixedly secured to the latter, the legs of said yoke extending upward and surrounding said arm and said latching member, and means extending through the ends of said legs and the other end of said latching member for pivotally connecting said other end of said latch member to said yoke.

2,484,965
METHOD OF MAKING EXTRUDED COLLAPSIBLE TUBES
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application November 8, 1946, Serial No. 708,771
10 Claims. (Cl. 18—59)

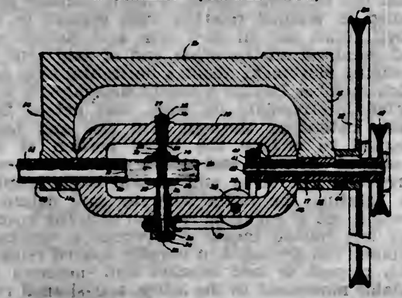
1. The method of making collapsible tubes

which comprises extruding a heated thermoplastic resin in the form of a continuous thin-walled pliable tubing of the size desired for collapsible tubes, and inserting a discrete rigid closure end within the tubing after the latter has attained its tubular shape and as the tubing is being ex-



truded and while still hot from the extruding operation the closure end being of such size that it is in intimate contact with the wall of the tubing so that the closure end is sealed to the tubing an unfilled portion of tubing extending beyond the closure end.

2,484,966
ROTATING AND REVOLVING BRUSH MEANS FOR PREPARING FIBROUS MOLDING COMPOSITIONS
Howard Snow and Rudolph Hovan Hecutt, Charlotte, N. C., assignors to Southern Friction Materials Company, a corporation of North Carolina
Application October 6, 1945, Serial No. 620,750
2 Claims. (Cl. 241—236)



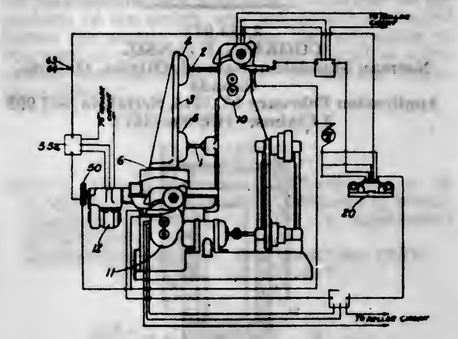
2. A disintegrating machine comprising a supporting frame having aligned apertures at each end thereof, an extrusion feed means including a directing member terminating in a delivery orifice extending through one of said apertures, a driven shaft extending through the other of said apertures, a rotatable frame mounted within said supporting frame, said rotatable frame being carried at one end on said driven shaft for rotation therewith and being disposed at its other end for rotation on said directing member, a second driven shaft carried by said rotatable frame in transverse relationship to the axis of said rotatable frame, and a disintegrator brush element mounted on said second driven shaft at said delivery orifice, whereby said disintegrator element may be rotated and simultaneously revolved in place about an axis substantially coincident with the axis of said directing member.

2,484,967
HOG FEEDER
Ottis D. Sedders, Jamestown, Ohio
Application November 7, 1945, Serial No. 627,156
2 Claims. (Cl. 119—54)



1. In a hog feeder of the class described, a substantially rectangular feed-receiving box, said box being internally divided by partitions into individual compartments defining troughs, a horizontal base rail mounted in said box and provided with an upstanding pivot pin, a hopper emptying into said box, a horizontal hanger rod mounted in said hopper, a vertical agitator shaft attached to and movably suspended from said hanger rod, said agitator shaft being provided with a plurality of agitator fingers, said fingers extending into said hopper, and a pair of substantially semi-circular actuators bolted to said agitator shaft, said agitator shaft being pivotally associated with said pivot pin, said actuators being so arranged as to permit the ends of the respective actuators to project into individual troughs.

2,484,968
METHOD OF OPERATING MACHINE TOOLS AND APPARATUS THEREFOR
Lloyd Blair Sponaugle, Akron, Ohio
Application April 8, 1944, Serial No. 530,866
9 Claims. (Cl. 90—13.5)



1. The method of producing a job from a record on a machine tool by a part which is capable of moving in opposite directions, which comprises operating a control simultaneously with operation of the part and moving the control exactly in accord with the record, and by such movement controlling the movement of the part to only approximate the movement of the control and keeping the total of the movements of the part in both directions approximately equal to the total of the movements of the control in both directions.

2,484,969
DETACHABLE FURNITURE LEG
Jewil C. Stacy, Norfolk, Va.
Application September 12, 1946, Serial No. 696,430
3 Claims. (Cl. 5—310)



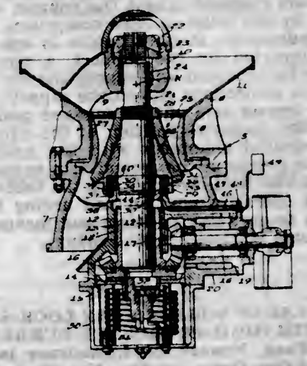
1. A detachable leg having a vertical groove in its upper end adapted to receive the vertical flange of an angle iron frame member for supporting the same on the leg, clamping brackets secured to the leg, said brackets including horizontal portions adapted to be positioned over the horizontal flange of the frame member and vertical portions extending from said horizontal portions and receiving securing means for retaining said leg in position.

2,484,970
FUSE TUBE ADAPTER
Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application August 7, 1946, Serial No. 688,815
2 Claims. (Cl. 200—120)



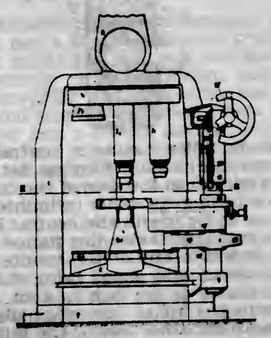
1. A fuse tube assembly comprising a main outer insulating tube open at both ends and having a terminal provided with a closure cap for closing one end of said main tube, an inner insulating tube open at both ends and constituting an adapter located within said main tube and having a flange at one end adjacent the closure cap and arranged to be supported solely from the terminal of said main tube and clamped in place by said closure cap, and a fuse link having an enlarged head free from attachment to said inner tube and arranged to be clamped between the flange of said inner tube and the closure cap of said main tube and having a fusible section located within said inner tube and a flexible leader extending from the fusible section outwardly through both said main and inner tubes.

2,484,971
GYRATORY CRUSHER WITH LUBRICATED DUST SEAL
Samuel W. Traylor, Jr., Allentown, Pa.
Application June 10, 1946, Serial No. 675,600
9 Claims. (Cl. 241—216)



1. A seal for use in a gyratory crusher of the type comprising an upright gyratory shaft, a hub surrounding the lower end of the shaft, a crushing head on said shaft above said hub and having a depending annular flange, and a collar extending upwardly from said hub freely within said flange, said seal comprising means defining an external, outwardly facing, peripheral channel on said collar, a sealing ring movably engaged in said channel with its inner surface spaced from the inner surface of the channel and its outer surface contacting the inner surface of said flange, a lubricant supply conduit to the chamber defined by said channel and ring, the side walls of the channel being constituted by rings of which one is fixed to the collar and the other is slidable on the collar, and spring means for urging the slidable ring toward the fixed ring.

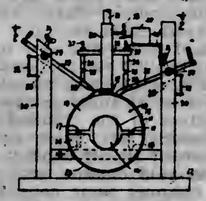
2,484,972
OPTICAL COMPARISON PROJECTING APPARATUS HAVING INTERCHANGEABLE OBJECTIVES AND CONDENSERS
Fernand Turrettini, Bellevue-Geneva, Switzerland
Application May 16, 1947, Serial No. 748,528
In Switzerland December 27, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires August 8, 1961
5 Claims. (Cl. 88—24)



1. In a projection apparatus, the combination comprising a frame, a vertically disposed shaft

journaled in the frame, a rotary objective carrier rigid with the lower end portion of the shaft, an upper and lower bearing, a column slidable in the bearings, collar means rigid with the column, an arm at one end rigid with the collar and at the other end guided by the frame for vertical sliding, a support rotatable about the column and supported by the collar, a table comprising crossing slides adjustable at right angles to one another and supported by the support, a second arm secured to the collar and supporting the support, a pair of projections one on the support and one on the second arm and in engaged position defining the operative position of the object table in substantial alignment with the optical axis, operable means in the second arm engaging the support and holding same and the table in substantial operative position and urging the projections to engaging position, and means sliding the column vertically in its bearings.

2,484,973
PROCESS OF WELDING CAN LOCK SEAMS WITH HIGH-FREQUENCY CURRENT
Alfred Vang, Newark, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 12, 1943, Serial No. 505,922
7 Claims. (Cl. 219—10)



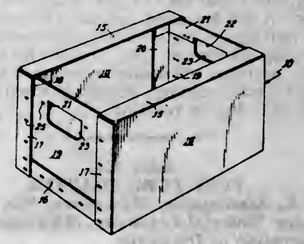
1. A process for making cans comprising forming a lock seam between opposite marginal end portions of a cylindrically bent can blank of weldable material, the seam providing an externally open groove, and passing a high frequency welding current between two close points on opposite sides of the groove and on the exterior surface of the blank.

2,484,974
ROLLER SKATE WHEEL
Earl Van Horn, Missoula, N. Y.
Application March 26, 1947, Serial No. 737,267
2 Claims. (Cl. 301—5.7)



1. A skate roller having a central bore and counterbores in its sides forming flat transverse shoulders normal to the axis of the roller, a metallic hub having an outer cylindrical surface adapted to fit tightly in the central bore of the roller, an outwardly extending flange at one end of the hub within one of the counterbores, the inner surface of said flange being flat and normal to the axis of the hub to abut one of the shoulders in the roller, an externally threaded portion near the other end of the hub, said hub having an inner cylindrical bore having a transverse groove therein intermediate its ends, an axle having a rigid shoulder at one of its ends and an externally threaded extension at its other end, a nut on said extension, longitudinally spaced antifriction bearings interposed between the inner bore of the hub and the axle, said bearings having inner and outer race rings, a spacer between the inner race rings, said inner race rings and the spacer being clamped between the shoulder on the axle and the nut on the extension thereof, an internally threaded lock ring on the threaded portion of the hub within the other counterbore in the roller, and a resilient ring between the outer race rings seated in the groove in the hub.

2,484,975
SHIPPING CONTAINER
Raymond H. Van Saun, Richmond, Calif., assignor to California Container Corporation, Oakland, Calif., a corporation of Delaware
Application November 22, 1948, Serial No. 61,439
1 Claim. (Cl. 229—23)

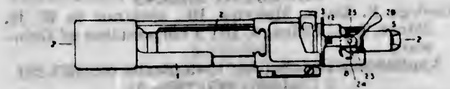


A substantially open topped paperboard container comprising a bottom, two pairs of opposed side walls, a pair of narrow top flaps each extending the length of and hinged on one side wall of a first pair of opposed side walls and being swingable to close the top of said container along two edges thereof only, leaving the major portion open, end flap portions on said top flaps of substantially the same width as said top flaps and extending from said top flaps, said end flap portions being foldable to extend substantially perpendicular thereto, a narrow reinforcing strip of material overlying and secured to each vertical marginal portion of the second pair of opposed side walls adjacent said first pair of side walls, each said reinforcing strip being unsecured adjacent the top of said second pair of side walls over an area only slightly greater than the top flap end portion adjacent thereto to provide a pocket for frictional reception of said end portion upon movement of the top flap to said partial closing position for holding said top flap in said position, the top flaps including the end flap portions being of approximately the same width as the marginal reinforcing strips whereby each end portion is adapted to be substantially housed within its respective pocket.

2,484,976
STARRING MIXTURE FOR ANTIMONY SMELTING
Chung Yu Wang, New York, N. Y.
No Drawing. Application August 19, 1948, Serial No. 45,200
6 Claims. (Cl. 75—69)

2. A starring mixture for use in antimony smelting which comprises essentially sodium monosulfide and potassium carbonate.

2,484,977
SAFETY MECHANISM FOR FIREARMS
Hiram S. Wilcox, Towanda, Pa.
Application November 8, 1946, Serial No. 708,500
14 Claims. (Cl. 42—70)



1. In a firearm including a bolt having a head, a firing pin slidably mounted in said bolt and head and having an enlarged end, the combination therewith of safety mechanism for locking said firing pin, said safety mechanism comprising a lever mounted in said head on a vertical pivot for horizontal swinging movement, and means carried by said lever engaging the enlarged end of the firing pin to lock the latter when in cocked position.

2,484,978
MATERNITY HOSE SUPPORTER
Elizabeth M. Witous, Chicago, Ill., assignor to Benjamin G. Witous and G. Howard Irwin, as joint trustees
Application June 30, 1948, Serial No. 36,129
2 Claims. (Cl. 2—326)

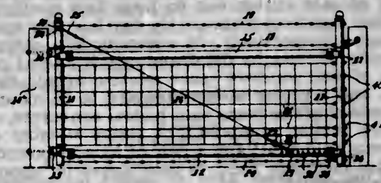


1. A hose supporter adapted for use in connection with a brassière comprising two pairs of crossed straps, the members of each pair being secured to each other at the point of crossing and the pairs being secured to each other by a connection between the upper ends of one member of each pair, means disposed at the upper end of each strap for securing said straps to a brassière, and hose supporting means attached to the lower end of each strap.

2,484,979
METHOD OF MODIFYING GLYCERIDE OILS
George Barsky, New York, N. Y., assignor to E. F. Drew & Co. Inc., New York, N. Y., a corporation of Delaware
No Drawing. Continuation of application Serial No. 426,850, January 15, 1942. This application March 11, 1948, Serial No. 14,399
21 Claims. (Cl. 260—410.7)

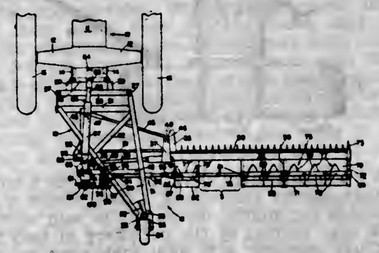
1. A method of treating non-hydroxylated mixed glyceride non-drying oils to change the chemical composition thereof which comprises adding to said oil a relatively small amount of boric acid, heating the mixture for a sufficient length of time at a sufficiently high temperature to liberate free fatty acids from the oil, distilling said acids from said mixture and substantially freeing the residue from combined boric acid.

2,484,980
TILTING GATE
Joseph B. Clay, Cedar Falls, Iowa, assignor to Clay Equipment Corporation, Cedar Falls, Iowa, a corporation of Iowa
Application February 6, 1946, Serial No. 645,828
1 Claim. (Cl. 160—156)



In a vertically tiltable gate, an upright member adapted to be hinged to a support, an upright member at the free end of the gate, vertically spaced horizontal connecting members pivoted at their ends to said upright members, the lower one of said horizontal members being disposed adjacent the bottom of the gate, the combination comprising, a flexible cable secured to the upper end of the hinged upright member and extending diagonally downwardly toward the lower corner of the free end of the gate, said flexible cable having a hook at its lower end, said lower horizontal member having a plurality of horizontally spaced holes therein adjacent the free end of the gate for selectively receiving said hook whereby the tilt of the gate may be adjusted.

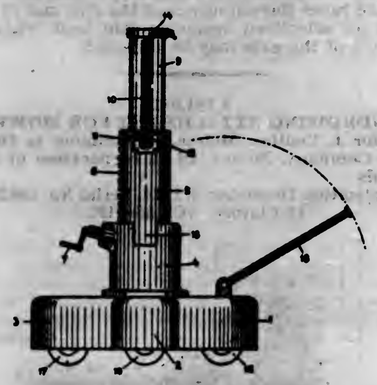
2,484,981
WINDROWING ATTACHMENT FOR MOWERS
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 2, 1944, Serial No. 566,296
17 Claims. (Cl. 56—192)



7. A windrowing machine comprising a transverse cutter bar, a trough extending transversely behind said cutter bar and mounted thereon for receiving severed crops therefrom, said trough extending inwardly from the outer end of said cutter bar and terminating intermediate the ends of said cutter bar, a second trough mounted behind said cutter bar and extending outwardly from the inner end of the latter and terminating at a point spaced laterally from the inner end of the first mentioned trough to provide a space therebetween in which severed crops are allowed to fall to the ground, one of said troughs comprising an assembly of aligned trough sections, one of said sections being detachable therefrom and attachable at the adjacent end of the other of said troughs, thereby to shift the position of said crop discharge space along said cutter bar, and auger conveying means rotatable in said troughs comprising a continuous transverse

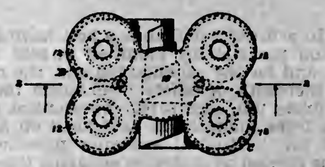
shaft extending through said troughs and across said space, a plurality of auger sections mounted on said shaft, each of said sections comprising a sleeve slidably embracing said shaft and a helical vane encircling the sleeve and fixed thereto, and means for rigidly fixing said sleeves on said shaft arranged in selected numbers of units from each end of said cutter bar to form two continuous helical auger conveyors in the two laterally spaced troughs, respectively, to accommodate different lengths of troughs determining the lateral position of said windrow space relative to said cutter bar, and a beater section adapted to be mounted on said shaft between said helical conveyors, said beater section comprising a sleeve slidably embracing said shaft and a pair of axially extending beater members fixed to said sleeve on opposite sides thereof.

2,484,982
MOTION-PICTURE CAMERA STAND
André Clément Coutant, Paris, France, assignor to Suzanne Rosalie Coutard, born Mathot, Paris, France
Application February 6, 1946, Serial No. 645,870
In France August 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 13, 1963
1 Claim. (Cl. 248—161)



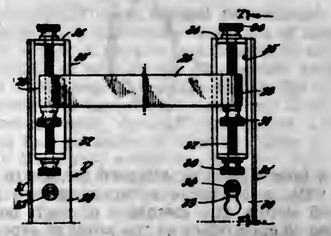
A trolley mounted elevating stand for a motion picture camera comprising, a fixed sleeve, a tube mounted for sliding movement in said sleeve, a rack gear carried by the periphery of said tube, a wheel meshing with said rack gear, a crank for operating said wheel mounted for rotation adjacent the top of said sleeve, a second tube mounted for sliding movement in the first tube, a rack gear carried by the periphery of the second tube, a toothed wheel meshing with the teeth of the second rack gear, a crank for operating the toothed wheel mounted for rotation adjacent the top of the first tube, means carried by the top of the second tube for supporting a motion picture camera thereon, said sleeve having a notch in the upper end thereof circumferentially displaced from the first crank for receiving the second crank in a collapsed condition of the stand, said sleeve being of such length that the crank on the fixed sleeve is arranged sufficiently near the floor so as to be manipulated by the operator of the camera when the stand is in a collapsed condition, the length of each of said tubes being not greater than the distance of the first crank from the floor so as to facilitate free displacement of the trolley when collapsed, and said tubes being short enough so that the second may be manipulated by an operator looking in a view finder of the camera.

2,484,983
SNUBBING MEANS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 19, 1945, Serial No. 623,224
3 Claims. (Cl. 267—9)



1. A snubber for a railway car truck spring cluster provided with top and bottom spring plates, comprising a horizontally disposed coil spring interposed between said spring plates having lever arms at opposite ends thereof integral with the end coils, one of said arms having its outer end clamped between the top spring plate and the top of one of said springs of the cluster and the other of said arms having its outer end clamped between the bottom spring plate and another of said springs of the cluster.

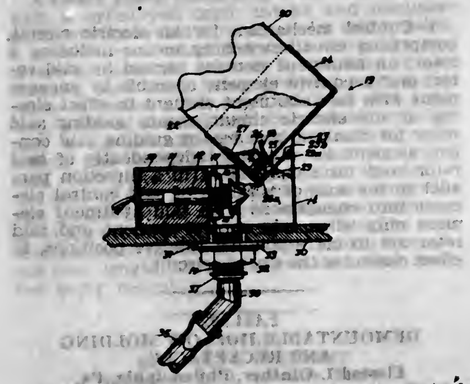
2,484,984
WINDOW SCREEN
Albert E. Davis, New York, N. Y.
Application March 6, 1946, Serial No. 652,400
2 Claims. (Cl. 160—352)



1. An inside screen for windows including a panel, a frame for supporting the panel, said frame consisting of normally straight top and bottom bars having vertically extending openings in the opposite ends thereof, oppositely disposed side stiles, yokes having apertured upper and lower ears secured to the forward faces of said side stiles at the upper and lower ends thereof, threaded studs slidably extending through the openings in the ends of the top bar and secured at their opposite ends in the apertured ears of the said upper yokes for connecting the top bar with said side stiles, studs slidably engaging through the openings in the ends of the lower bar and secured in the apertured ears of the lower yoke for connecting said bar to said side stiles, adjusting nuts threadedly engaged on said threaded studs for adjusting the top bar towards and away from the lower bar for accommodating panels of different heights and for maintaining the same in a taut condition, means securing one of said side stiles to the window frame on one side of the window and interengageable means for releasably securing the opposite side stile at the opposite side of the window with the top and bottom bars bent into bowed formation in front of

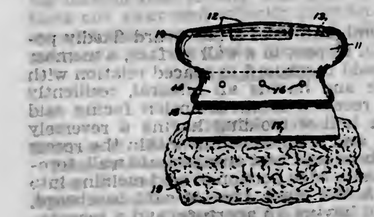
the window and adapted when said side stile is released from engagement with the window frame to permit of the swinging of the frame structure into an out-of-the-way position at one side of the window and with said bars disposed in straightened relation.

2,484,985
ROAD SANDING MECHANISM FOR AUTOMOBILES
Fred L. Deud and Stanley H. Hunt, St. Paul, Minn., assignors to Highway Safety Appliances, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application January 21, 1948, Serial No. 3,504
9 Claims. (Cl. 291—25)



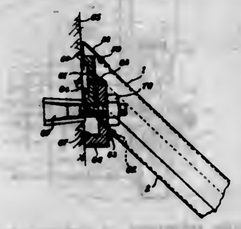
1. In road sanding mechanism, a receptacle for sand adapted to be mounted on a vehicle having a traction wheel, a discharge pipe adapted to extend from said receptacle to a place in front of said wheel, a holder for a container of sand extending above said receptacle, said holder having an inclined bottom wall formed with a bottom opening communicating with said receptacle, a tubular member projecting from said holder adjacent to said opening, a container for sand constructed from thin sheet material, adapted to be supported in said holder and having a bottom wall adapted to be penetrated by said tubular member to afford a passage for the flow of sand from said container into said receptacle and a valve for controlling the flow of sand from said receptacle through said pipe.

2,484,986
SCOURING PAD GRIPPER
Flora B. Ellinger, Chicago, Ill.
Application December 14, 1946, Serial No. 716,280
1 Claim. (Cl. 15—209)



A scouring pad gripping implement comprising, an elongated manipulating handle having a pair of sections a longitudinal semi-cylindrical edge of one of which is provided with spaced integral end lugs and the corresponding semi-cylindrical edge of the other of which is provided with an integral medial lug disposed within the space between said end lugs, said lugs having axially alined openings pierced by a pivot pin to provide a hinge for said sections and the longitudinal edge of each section remote from the hinge being provided with an integral attaching flange, and a pad gripping jaw secured to the inner side of each flange and having teeth cooperable with the intervening pad.

2,484,987
LOUVERED AWNING
Leroy S. Eschrich, Pittsburgh, Pa.
Application August 20, 1946, Serial No. 691,832
5 Claims. (Cl. 20—57.5)



1. In an awning structure a plurality of channel members for mounting on a building wall, rafter members secured to the top of the channel members, cross members connected to the wall and rafter members to support the lower ends of said rafter members, a girder secured to said rafters at the point of connection with the cross members, a plurality of overlapping louvers secured to the end frames constituted by said wall, rafter and cross members, said louvers being shaped to overlap and being spaced at their overlapping portions, top louvers secured adjacent their lower ends to the girder, said top louvers comprising channel members with alternate louvers oppositely disposed and with their flanges overlapping to form splash plates excluding rain, the upper ends of said top louvers being secured to a building wall by means including clamping brackets attached to the ends of the louvers and shaped to conform to the wall surface, the ends of the top and bottom louvers being oppositely disposed, a clamping bar for engaging the wall-engaging ends of said louver clamps, and a plurality of bolt clamps anchored in the building wall disposed beneath the upper top louvers for engaging the clamping bar to clamp the louvers on the building wall.

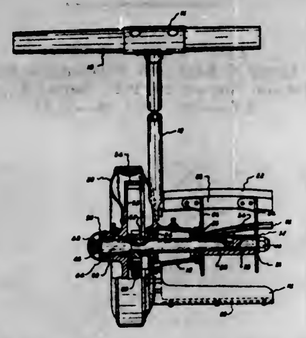
2,484,988
MEANS FOR CONTROLLING SHOT PATTERNS
Walter L. Finlay, Fairfield, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 3, 1945, Serial No. 586,303
7 Claims. (Cl. 42—79)



2. The combination with a barrel; of a pattern control device comprising a sleeve slidably mount-

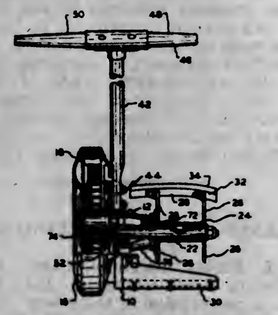
ed on said barrel and arranged to form a shot passage of variable length; recoil compensating vents in said passage; and a constriction at the forward end of said passage.

2,484,989
GRASS TRIMMER
Truman B. Funk, Jackson, Mich.
Application November 14, 1946, Serial No. 709,804
3 Claims. (Cl. 56—249)



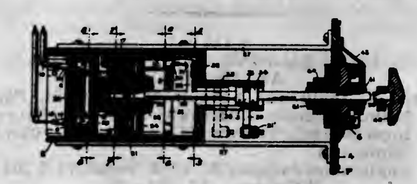
1. In a grass trimmer, a frame, a reel supported from said frame, a cantilever cutter bar supported from said frame in parallelism with said reel, said bar having an end member adjacent said frame, a pivotal connection between said member and said frame, about which said bar may be swiveled relative to said reel, and means disposed between said member and frame and spaced from said pivotal connection to swing the outer end of said member toward and from the reel about a pivotal point adjacent said frame.

2,484,990
GRASS TRIMMER
Truman B. Funk, Jackson, Mich.
Application June 28, 1947, Serial No. 757,819
8 Claims. (Cl. 56—249)



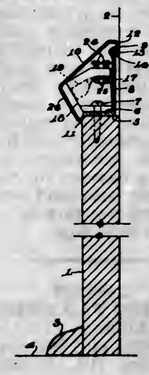
3. In a grass trimmer, a cutting reel, a cutter bar, means supporting said reel and bar in horizontal parallelism entirely from one side to provide an open-ended cutting reel and cutting bar assembly, cutting blades mounted on said reel with the shearing edge portions thereof disposed in a cylindrical surface, having a longitudinal axis common to that of said reel, said blades being of spiral form with a substantial reduction in pitch adjacent the open end of said reel.

2,484,991
SWITCH MECHANISM
Edward Stanley Giffin, Auburn, Wash.
Application January 11, 1945, Serial No. 572,339
22 Claims. (Cl. 200—45)



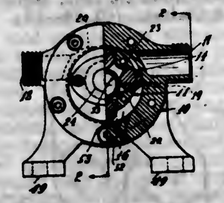
1. Control mechanism for an electric circuit, comprising circuit-switching means including a rotor, an abutment element carried by said rotor, and a control element operable by engagement with said abutment element to effect closing of the electric circuit, means guiding said rotor for rotation, and means guiding said control element for rotation independently of said rotor, and for reciprocation in a direction parallel to the axis of rotation of said control element into engagement with said abutment element only when said control element and said rotor are in corresponding rotative positions, to effect closing of the electric circuit.

2,484,992
DEMOUNTABLE HOLLOW MOLDING AND RECEPTACLE
Elwood I. Ginther, Philadelphia, Pa.
Application August 28, 1947, Serial No. 771,017
2 Claims. (Cl. 174—101)



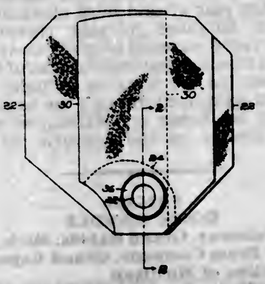
1. The combination of a baseboard fixedly positioned with respect to a wall surface, a member secured to said baseboard in spaced relation with said surface and having an integral, resiliently positioned, recessed latch extension facing said wall, and a hollow molding having a reversely turned heel and a lip engaging within the recess of said latch as said heel engages said wall, forcing the opposite edge portion of said molding into contact with the outer face of said baseboard, said molding having an aperture, and a receptacle block supported by said baseboard to the rear of said molding and having a contact accessible through said molding aperture.

2,484,993
ROTARY PUMP
Milan Gruber, Aliquippa, Pa.
Application June 4, 1946, Serial No. 674,295
1 Claim. (Cl. 103—136)



A rotary pump comprising a housing provided with a cylindrical bore; intake and discharge ports leading to said bore, covers for said housing, a piston drum supported for rotation in said covers in eccentric relation to the bore of said housing, said drum being provided with a plurality of radial guide ways, each of said guide ways adapted to accommodate rotatably and slidably a horizontally disposed cylindrical roller piston, and centrally disposed means for urging said roller pistons uniformly against the wall of the bore of said housing, said means comprising two hollow coaxial resilient cylindrical members of which the inner one is telescoped into the outer member, each having one gap extending throughout their length, the said gap of said outer member being helical.

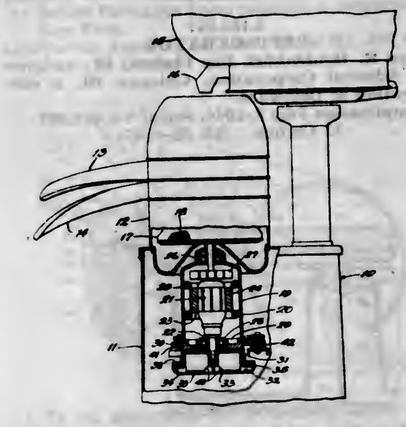
2,484,994
ABRADING ELEMENT
Elisha W. Hall, Scituate, Mass.
Application January 27, 1948, Serial No. 4,582
7 Claims. (Cl. 51—193)



5. An abrading element for an abrading wheel comprising a multiplicity of plies of sheet material extending for edge-wise exposure at the periphery of the wheel, the element as a whole being of limited circumferential extent and comprising interior plies having their radially inner portions cut away and exterior plies on either side secured together at the area of said cut-away portions and drawn into the same.

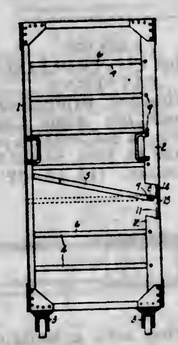
2,484,995
GOVERNOR
William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application November 7, 1945, Serial No. 627,198
4 Claims. (Cl. 318—335)

1. A cream separator having a high speed separating bowl and a high speed series wound electric motor coupled thereto for driving same, in combination, a governor comprising an impeller connected to the motor for rotation therewith, a housing associated with the impeller, said housing being provided with a wall having an air inlet opening positioned near the center of rotation of said impeller, a circumferentially extending channel formed in the housing adjacent the peripheral



edges of said impeller, said channel having a discharge opening, and valve means carried by the channel and substantially sealing the discharge opening, said valve means being adapted to be displaced away from said opening upon a predetermined build-up of air pressure provided by the rotation of the impeller within the housing.

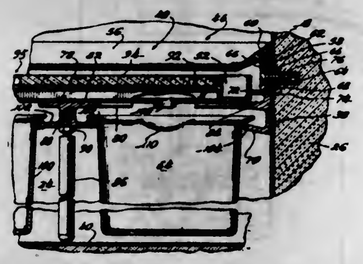
2,484,996
RACK
Charles T. Hatch, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application September 9, 1946, Serial No. 695,745
3 Claims. (Cl. 211—150)



1. In a rack the combination of a frame comprising front and rear uprights, a plurality of shelves disposed in a vertical series and comprising, end members having longitudinal slots adjacent the rear ends and a rear longitudinal bar, said rear uprights being of forwardly facing channel section, pins on the outer legs of said uprights supportingly engaging said slots in said shelf end members, the inner legs of the rear uprights being substantially narrower than the outer legs, said inner legs having a plurality of

notches formed therein adapted to receive the rear longitudinal bars of said shelves, when the shelves are swung to a rearwardly tilted position, and supports for said front ends of said shelves mounted on said front uprights to coact with said pins in supporting the shelves in horizontal position.

2,484,997
REFRIGERATOR
George R. Heidenblut, Des Plaines, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application July 8, 1946, Serial No. 682,092
13 Claims. (Cl. 62—103)



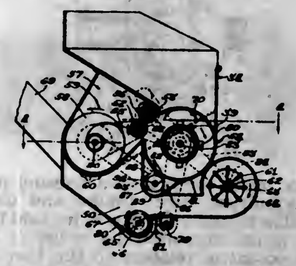
1. In a refrigerator having a compartment wherein moisture is formed upon the ceiling and walls thereof, the combination of a liner forming the rear and side walls and ceiling of the compartment, said compartment ceiling being crowned so that moisture formed thereon will flow to and down the walls of the compartment, and means adjacent the lower portion of the compartment for collecting and disposing of the moisture, said means comprising a drip deflector having a higher edge seated against said liner, a trough positioned below a lower edge of said deflector to carry away the moisture dripping from said deflector, and means associated with said trough to collect the moisture for disposal.

2,484,998
MEANS FOR CONTROLLING SHOT PATTERNS
Gilbert E. Hutchinson, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 26, 1946, Serial No. 679,550
11 Claims. (Cl. 42—79)



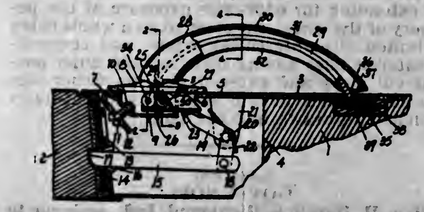
1. In combination with a shotgun barrel, an elongated choke section substantially coaxial with the barrel and supported forwardly thereof, said choke section comprising a forwardly and inwardly tapering choke throat which merges at its forward end into an elongated tubular section not substantially less than six inches in length and of an inside diameter not substantially less than the least diameter of said choke throat and not substantially greater than the inside diameter of said barrel; and gas vent means of adjustable area discharging laterally from between said barrel and the forward end of said choke section.

2,484,999
CORN COMBINE WITH SHELLER
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 28, 1947, Serial No. 788,545
8 Claims. (Cl. 56—18)



1. A shelling device for tractor mounted corn harvesters of the type having a picker unit mounted alongside the tractor, means on said picker unit for picking ears from standing stalks and carrying the ears rearwardly of the tractor, and the shelling device mounted at the rear of the tractor and including a hopper positioned to receive ears from said picker unit, a transversely arranged shelling chamber, a shelling cylinder mounted in said chamber, a concave beneath said cylinder and having perforations therethrough, said hopper being positioned at the outer end of the chamber, lug means on the cylinder arranged in a spiral fashion whereby ears of corn delivered by the picker unit to the hopper are fed by the cylinder lug means axially thereof toward the center of the tractor, a pair of husk eliminating rolls arranged along the rear side of said chamber, a perforated bottom and open end receptacle positioned at the rear of said husk eliminating rolls, a conveyor mounted in said receptacle and adapted to carry material laterally away from the tractor in a direction opposite to that of the direction of feed by the shelling cylinder whereby shelled corn is dropped through the bottom perforations and the husks are discharged outwardly from the tractor by the conveyor in said receptacle.

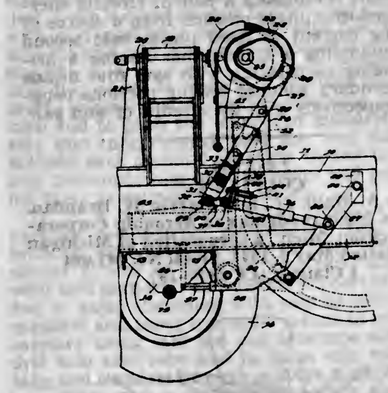
2,485,000
DOOR HANDLE
Gerald V. Jakeway, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application November 29, 1945, Serial No. 631,615
11 Claims. (Cl. 292—167)



1. The combination with a door having a chamber therein and comprising an outer panel, a supporting plate mounted on the inner side of said panel to extend over said chamber and apertured to receive an escutcheon member and having a laterally disposed arm adjacent said aperture, an escutcheon member comprising a face element

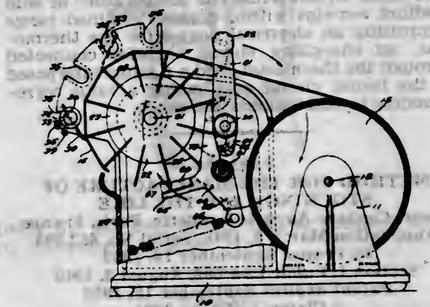
connected thereto and disposed within said chamber covering said aperture and a stirrup-element disposed within said chamber, said stirrup-element having a threaded hole engaged by a screw extending through said arm on said supporting plate whereby the escutcheon member is secured in position, a bolt releasing trigger pivotally mounted in said escutcheon stirrup-member, a spring acting to bias the trigger to retracted position, a handle comprising a handle bar and a casing therefor, the handle bar extending from each end of the casing, the inner end of the handle bar extending through the escutcheon plate and being pivotally connected to the trigger, the outer end of the handle bar terminating in a laterally disposed lug, the panel and supporting plate having openings therein through which the outer end of the handle bar is disposed with its lug engaging the inner side of the supporting plate, and a resilient support disposed on the inner side of said supporting plate in supporting cushioning relation to the outer end of the handle bar permitting swinging and limited longitudinal movement thereof.

2,485,001
WIRE TYING BALER
Paul Kane, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 17, 1944, Serial No. 531,363
5 Claims. (Cl. 100—20)



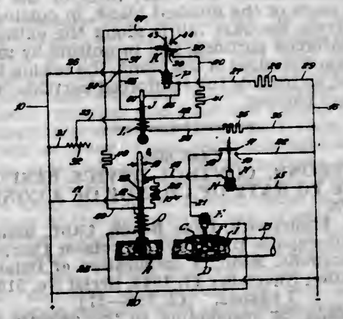
1. In a baling mechanism having a bale chamber with an associated frame structure and reciprocating means for compressing hay in said chamber, a bale tie-forming means including means for holding a coil of wire, a lever arm mounted on the baling chamber for oscillatory motion, an arcuate wire-carrying needle mounted on the end of said arm in a position to be moved into and through the bale chamber by oscillation of the arm, means for supplying wire from said coil to said needle, driving mechanism for said needle including a lever mounted for oscillation on the frame structure of the baling chamber, a swingable link pivoted to said lever spaced from the lower end thereof, a member pivotally connected to said link at one end and pivotally secured to the lever arm at the other end for oscillating said lever arm, and a spring-loaded latch member carried by said member, said latch member being releasably engageable with a portion of the lever whereby when a predetermined tension is reached on the wire due to kinking or other abnormal resistance, the latch will release thereby preventing breaking of the wire and damage to the mechanism.

2,485,002
TAPE SERVING MACHINE
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application January 20, 1942, Serial No. 427,414
11 Claims. (Cl. 164—84.5)



1. In an apparatus for dispensing tacky tape, means for holding a supply of the tape, a rotatable reel for withdrawing tape from the supply and supporting said tape pending removal therefrom, said reel including tape engaging supports spaced circumferentially of the reel from each other at their outer extremities a distance necessary to permit the insertion of the finger of the operator between each pair of supports and extending transversely across the path of the tape, a tear-off cutter mounted adjacent to the periphery of the reel and extending transversely of the path of the tape and against which the tape may be drawn upon removal from the reel so as to sever the same, and means for supporting said cutter in adjusted position with respect to the circumference of the reel.

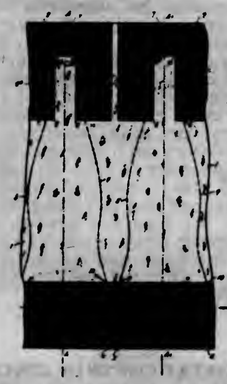
2,485,003
THERMOSTAT CONTROL CIRCUIT
Timothy J. Lehane, Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application December 16, 1946, Serial No. 716,474
5 Claims. (Cl. 236—1)



3. In combination with apparatus for altering the temperature of an enclosed space including a heat exchanger for containing a medium for influencing the temperature of the enclosed space.

an electrically actuated mechanism for controlling the delivery of said medium into said heat exchanger and thereby control the effectiveness of the said medium, an energizing circuit for said electrically actuated mechanism, an electrically energized relay for closing the last mentioned energizing circuit, a thermostat responsive to the temperature of said medium in said heat exchanger and set to function at a predetermined temperature to close the energizing circuit for said relay, and means effective upon the functioning of the thermostat to maintain said relay energizing circuit while the temperature of said medium remains within a predetermined range comprising an electrical heater for the thermostat, an energizing circuit therefor connected through the thermostat, and a resistor interposed in the heater circuit and having a value corresponding to said temperature range.

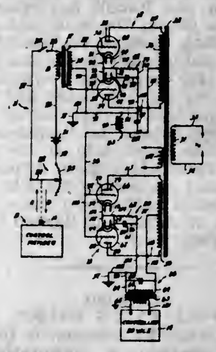
2,485,004
METHOD FOR THE MANUFACTURE OF STOCKINGS AND THE LIKE
Henri Gustave Auguste Leuliette, Paris, France
Application March 8, 1946, Serial No. 652,898
In France September 16, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires September 16, 1959
5 Claims. (Cl. 2—239)



1. A method for the manufacture of stockings and the like provided with reinforced portions, which consists in weaving a fabric constituting a blank provided with reinforced portions which have substantially the exact form of the reinforced parts of the finished blank, in cutting the blank from the said fabric along the outline of the reinforced portions, and in uniting by means of a seam the edges of the blank, the sewing being effected, as regards the reinforced portions, along the edges thereof.

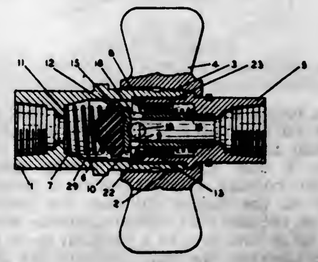
2,485,005
ELECTRONIC CONTROL DEVICE RESPONSIVE TO RATE OF CHANGE OF A CONDITION
John L. Lindesmith, Long Beach, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 17, 1943, Serial No. 510,702
7 Claims. (Cl. 250—27)

1. Means for responding to the velocity of a member along a path, comprising in combination, first means adapted to regulate a flow of electric energy in accordance with the position of said member along said path, second means providing differential electrical potentials in response only to the rate of change in said flow of electrical energy, a source of alternating voltage, a load circuit to be energized, and electronic means for energizing said circuit from said source in accordance with the polarity and magnitude of said potentials, whereby movement of said member in opposite directions results in the energization of said load circuit with alternating currents



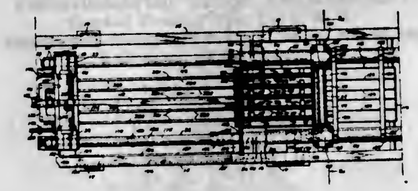
of opposite phases, and whereby further the amplitude of the alternating current is a function only of the velocity of said member, said electronic means comprising a pair of circuits energized in opposite phase relation from a source of alternating current of fixed phase, said second means comprising a transformer having a primary winding cooperating with said first means and a secondary winding having portions cooperating respectively with the circuits of said pair.

2,485,006
COUPLING
Benjamin A. Main, Jr., and Marvin W. Brandau, Jackson, Mich., assignors to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application May 9, 1947, Serial No. 747,084
1 Claim. (Cl. 284—19)



In a fluid coupling of the type having a pair of body parts with opposed ends having abutting valve heads, one of which is axially movable with respect to a surrounding seat fixed in its body part, while the other is provided at one end of a tubular section within its respective body part and defining the interior wall of an annular chamber, a fluid flow control member slidably mounted upon said tubular section and reciprocable in said annular chamber, said member comprising an inner metal sleeve slidable upon said section and an outer rubber sleeve encircling said metal sleeve and having a portion overhanging one end of the latter and sealing against said tubular section, said rubber sleeve also sealing against the exterior wall of said annular chamber as well as against the valve seat on said tubular stem.

2,485,007
MACHINE FOR SIZING TUBES
Lester H. Messinger, Trumbull, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 23, 1945, Serial No. 601,273
16 Claims. (Cl. 93—83)

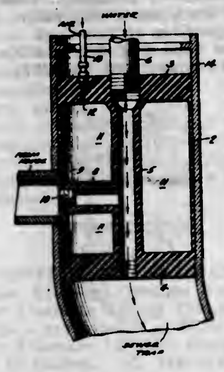


1. A machine for sizing tubes comprising a bed; a carriage reciprocably mounted on said bed; a mandrel comprising an extension and a shank portion rotatably supported on said carriage; means carried by said carriage to rotate said mandrel; a die secured on said bed in axial alignment with said mandrel; means on said bed between said die and said mandrel to support a tube to be sized in axial alignment with said mandrel and said die; means to move said carriage along said bed to telescope said mandrel extension into said tube and to push the telescoped mandrel extension and tube through said die; and means to actuate said mandrel rotating means to rotate said telescoped mandrel extension and tube during their passage through said die.

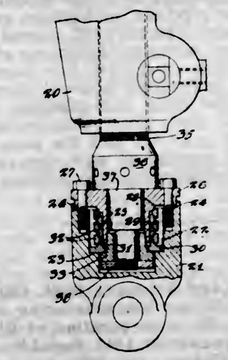
11. In a machine for sizing tubes; a bed; a carriage reciprocably mounted on said bed; a mandrel supported on said carriage; means to deliver a tube to be sized into axial alignment with said mandrel; a sizing die supported on said bed in axial alignment with said axially aligned mandrel and tube; hydraulic means to move said carriage along said bed and telescope said mandrel into said tube and to move said telescoped tube and mandrel through said die in a tube sizing operation; and a hydrostatic switch associated with said hydraulic means and responsive to an abnormal working load during said sizing operation to automatically stop said carriage.

2,485,008
SEWER FLUSHER
Bernard Morris, Savannah, Ga.
Application September 30, 1947, Serial No. 776,951
2 Claims. (Cl. 182—28)

1. A sewer flushing device, comprising a hollow inflatable body of yieldable material being substantially cylindrical and having substantially thickened top and bottom walls and a thin flexible expansible side wall, in combination with a tubular member connecting the top and bottom walls in spaced relation from the side wall, the wall thickness of said tubular member being thicker than the side wall and thinner than the top or bottom wall, said tubular member having a laterally extending tubular branch member establishing communication with the first named tubular member and the exterior of the side wall, in further combination with an interchangeable plug for the exits adapted to be used alternatively for the first named tubular member and for the branch member.

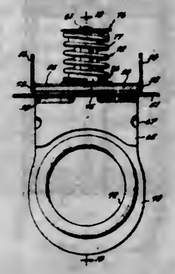


2,485,009
OVERLOAD RELEASE FOR POWER PRESSES
Jules Muller, Chicago, Ill., assignor to E. W. Bliss Company, Detroit, Mich., a corporation of Delaware
Application October 22, 1947, Serial No. 781,398
1 Claim. (Cl. 74—581)



In a pressure applying linkage for a power press, a linkage part through which thrust is applied and a thrust-receiving part, said thrust applying part having a stem, a thrust sleeve in thrust coaction with said thrust applying part, said sleeve receiving said stem and having a radial flange adjacent to the thrust part, inner and outer sets of wedge rings encircling said sleeve with the outer set alternating with those of the inner set and having wedge coaction whereby relative axial movements thereof cause expanding action of the outer rings, one of said outer rings having a tapered seat on the flange portion of said sleeve, means anchored to the free end of said stem and having tapered thrust coaction with an end ring of said outer set, said means having thrust coaction with said thrust-receiving part whereby a yielding of said rings under thrust action permits relative inward movements of said sleeve and thrust-receiving part, said thrust-receiving part cooperating with the flange of said sleeve to form a housing for said rings.

2,485,010
FASTENER STRUCTURE
Constant E. Nicolet, Westport, Conn., assignor to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application April 5, 1945, Serial No. 586,711
2 Claims. (Cl. 24—221)



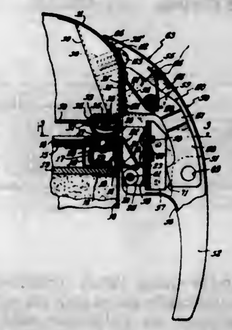
1. A fastener unit for securing together a plurality of plates provided, respectively, with an aperture and with an elongated slot, the unit comprising a stud formed at one end thereof with laterally-extending portions forming a head and having a transverse aperture at its opposite end, a cross-pin within such aperture, the stud being journalled for rotative movement in the aperture in the first plate, the head passing through the slot in the second plate and arranged to be rotated through an arc of 90°, and means for urging the laterally-extending portions forming the head into engagement with the second plate to hold the plates together, said means comprising a coil spring carried on the stud, spaced cups carried by the stud engaging the spring at opposite ends thereof, the outermost cup receiving the cross-pin and preventing removal thereof from the aperture, the other cup engaging the outer surface of the first plate, cooperating detent means between said cup and the plate for preventing casual rotation of such cup, and means for preventing relative rotation between such cup and the stud.

2,485,011
FLUID SEAL
Paul F. Niessen and Robert G. Welk, Chicago, Ill., assignors to Victor Manufacturing & Gasket Co., Chicago, Ill., a corporation of Illinois
Application January 30, 1947, Serial No. 725,182
2 Claims. (Cl. 288—3)



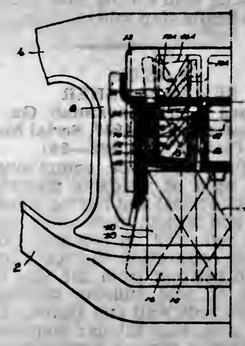
1. In a fluid seal, a cylindrical shell having an annular wall, a grease retaining member composed of relatively soft resilient grease resistant elastomer, an annulus of relatively harder and less resilient grease resistant elastomer bonded to said grease retaining member and engaging said annular shell wall, and a frusto-conical wall integral with said annular shell wall and engaging said grease retaining member and resilient annulus and expanding the same to hold the annulus in seal-forming engagement with said annular shell wall.

2,485,012
DOOR HANDLE AND LATCH
John S. Palmer and Charles E. Sulcek, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 24, 1945, Serial No. 624,360
7 Claims. (Cl. 292—228)



1. A latch mechanism adapted to engage a latch strike secured to a cabinet having a horizontally opening cover, comprising; a bracket secured to the cover and extending outwardly therefrom and downwardly over the latch strike when the cover is in closed position, a handle member having side walls overlapping said bracket at both sides thereof and being pivotally secured thereto intermediate the ends thereof, spring means for urging said handle in a direction towards the cabinet, a transverse member secured to the side walls of said handle member between the bracket when the cover is in closed position and the latch strike, a bracket secured to said member for vertical adjustment with respect thereto, and a latch element mounted on said latter bracket and adapted to engage the latch strike.

2,485,013
SNUBBED TRUCK
Raymond C. Pierce, Chicago, Ill.
Application November 3, 1944, Serial No. 561,669
23 Claims. (Cl. 105—197)



14. In a railway car truck, a side frame, a bolster spring-supported therefrom, a friction shoe

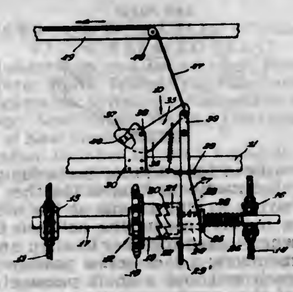
housed within the bolster in wedge engagement therewith and in frictional engagement with a portion of said frame, a resilient actuating means for said shoe housed within said bolster in abutment therewith, and cooperating stop means integrally formed on said bolster and said shoe for limiting outward movement of the latter, said resilient means being operative upon engagement of said stop means to rotate said shoe to a diagonal position in said bolster facilitating clearance of said shoe from said frame portion upon elevation of said bolster for removal from said side frame.

2,485,014
PHOTOGRAPHIC FLASH-BULB SOCKET
Gustav Prager, New York, N. Y.
Application December 1, 1948, Serial No. 62,889
6 Claims. (Cl. 173—328)



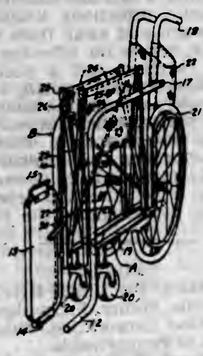
1. A socket for photographic flash-light bulbs comprising a socket shell, a disc mounted laterally and rotatably within said shell, said disc having a series of spaced slots formed therein, and a plurality of bulb-retaining arms pivotally attached to said shell, each of said arms having a depending pin, each of said pins extending into one of the slots in said disc, said slots being positioned to push said pins and to rotate said arms toward and away from the center of said socket shell when said disc is rotated.

2,485,015
HINGED LOCKING DEVICE
Adelbert C. Radtke, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 27, 1948, Serial No. 23,552
8 Claims. (Cl. 74—535)



1. A locking device; comprising, a stationary member; a hinge member pivotally connected to the stationary member for pivotal movement about a fixed pivot; a rectangular wheel connected for pivotal movement relative to said hinge member, said wheel having two relatively large concave surfaces positioned at two opposed sides of the wheel and two relatively smaller concave surfaces positioned at the other two opposed sides of said wheel; said stationary member having an irregular cut-out portion arranged to cooperate with the concave surfaces of said wheel; means for rotating said wheel into two successive positions whereby said wheel cooperates with said cut-out portion to relatively lock said hinge member with respect to the stationary member, and means for further rotating said wheel into two successive positions whereby said wheel is disengaged from cooperation with said cut-out portion thereby unlocking said hinge member and returning the same to its initial starting position.

2,485,016
INVALID WHEEL CHAIR
John Gordon Rideout, Chagrin Falls, Ohio, assignor to Gendron Wheel Company, Perrysburg, Ohio, a corporation of Ohio
Application February 14, 1947, Serial No. 728,649
10 Claims. (Cl. 155—140)

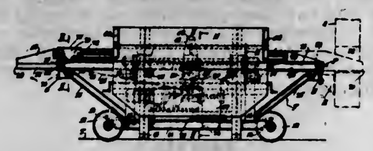


1. An invalid chair comprising a pair of laterally spaced side frames, each side frame having front and rear uprights, a seat rail associated with each side frame, vertically disposed rod members, sleeve members for slidingly receiving said rod members respectively, means for mounting one of said members on the frames and the other of said members on said seat rails, and pivoted brace means connecting said side frames whereupon said side frames may be collapsed toward each other and the sleeve and rod members slide relatively to each other.

2,485,017
PRODUCTION OF ARYL DIHALOALKANES
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 30, 1946, Serial No. 694,169
11 Claims. (Cl. 260—651)

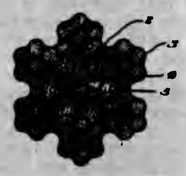
1. A process for producing an aromatic dihaloalkane which comprises reacting an aromatic compound having a replaceable nuclear hydrogen atom and a dihaloolefin containing a middle halogen and in which the double bond is located at a tertiary carbon atom in the presence of a catalyst comprising essentially a complex of a Friedel-Crafts halide and about an equal molecular proportion of an oxygen-containing organic compound selected from the group consisting of an alkanol, an alkyl ether, an alkyl ketone, and a nitroparaffin.

2,485,018
APPARATUS FOR DELIVERING CHARGES OF MATERIAL
Arthur D. Smith, Spokane, Wash., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 25, 1944, Serial No. 565,141
1 Claim. (Cl. 214—29)



In a material charging device, in combination, a support adapted for translation between two opposite charging points, a material receiving trough carried by said support for free movement therealong in opposite directions toward each of said points, a carriage mounted for movement in opposite directions longitudinally of said trough toward and away from each of said charging points, means for effecting said movement of said carriage and a pusher element shaped to operate in said trough, said element being fixed to said carriage and adapted to contact and shift material held in said trough as the carriage is moved toward either charging point and comprising a member swingably mounted on said carriage to be moved into operative position in either direction depending upon the direction of movement of the carriage.

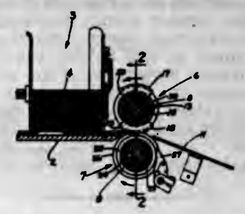
2,485,019
LUBRICATED WIRE ROPE
Peter P. Somerville, Muncy, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 28, 1947, Serial No. 737,997
8 Claims. (Cl. 57—153)



1. Lubricated wire rope comprising strands wound together and lubricant comprising an oleaginous carrier containing powdered bearing metal covering the strands to lubricate them with respect to one another and to externally lubricate the rope.

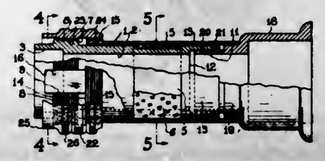
2,485,020
COMBINED CUTTING AND CREASING DIES FOR PAPER SLOTTING MACHINES
Edwin G. Staude, Minneapolis, Minn., assignor to The Sperry Corporation, New York, N. Y., a corporation of Delaware
Application November 5, 1945, Serial No. 626,877
12 Claims. (Cl. 164—60)

1. In a machine of the class described, a pair of complemental cutting and creasing heads, one of said heads comprising a member providing a cutting edge and an annular creasing surface, and means carried by the other of said heads including a knife and a creasing surface both cooperating with said cutting and creasing mem-



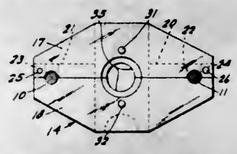
ber to simultaneously slit and crease material fed between said heads.

2,485,021
TUNING DEVICE FOR WIND MUSICAL INSTRUMENTS
Cecil H. Strupe, Cleveland Heights, Ohio, assignor to The H. N. White Company, Cleveland, Ohio, a corporation of Ohio
Application May 1, 1946, Serial No. 666,312
1 Claim. (Cl. 84—386)



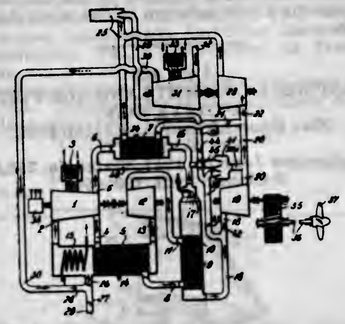
In a tuning device of the character described, a tubular member having a counterbored end portion, a second tubular member slidable relative to said first member, a mouthpiece cup secured to said second member and having an annular extension concentric with and spaced radially inwardly from the inner wall of said second tubular member, said counterbored end of said first member having a slide fit in the space between said inner wall and said extension.

2,485,022
CROSSHEAD FOR PRESSES
Louis W. Taylor, Oakland, Calif.
Application January 13, 1947, Serial No. 721,715
5 Claims. (Cl. 29—283)



1. A cross-head for an arbor press comprising; two elongated members hinged together at one end and having locking means at the other end and keying means cooperating between the two members when locked together to align and reinforce the members; a jack-screw passage formed adjacent each end and a shaft passage formed centrally of the members, a die passage formed transversely and extending through the two members centrally thereof, and a pair of half dies slidable in said die passage and having semicircular recesses formed inwardly from the sides and combining when inserted in different positions to form thrust collars of different diameters to engage in annular recesses formed in shafts of different diameters.

2,485,023
APPARATUS FOR OPERATING GAS TURBINE PLANTS WITH HIGH-PRESSURE AND LOW-PRESSURE TURBINES
Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application March 9, 1946, Serial No. 653,382
In Switzerland May 16, 1945
7 Claims. (Cl. 60—49)



1. In a gas turbine plant in which there is a circuit including a compressor, a gas heater, a turbine driving said compressor, and passages delivering working medium successively from said compressor to said heater, from said heater to said turbine and from said turbine back to said compressor, the improvement which includes, in combination, an extraction passage for withdrawing a part of the working medium from said circuit, a useful output turbine driven by working medium withdrawn through said extraction passage, an exhaust gas turbine driven by working medium exhausted from said useful output turbine, a supply passage for introducing make-up working medium to said circuit, a make-up compressor driven by said exhaust gas turbine feeding said supply passage, a bypass around said useful output turbine to said exhaust gas turbine, a mixer in said bypass, and a duct for supplying said mixer with working medium taken from said circuit after said compressor and before said heater.

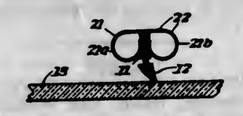
2,485,024
ELECTROMAGNETICALLY OPERATED VACUUM SEALED RELAY
Keith Robert Vale and John Ernest Benson, Sydney, New South Wales, Australia, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application October 19, 1945, Serial No. 623,364
In Australia March 21, 1945
3 Claims. (Cl. 200—87)

1. An electromagnetically operated vacuum-sealed relay comprising an evacuated envelope housing a plurality of switching contacts, one of said switching contacts carrying a relay pole-piece whereof the upper end is reduced to permit location of an armature substantially in an axial plane of said pole-piece, said armature being mounted on a magnetic washer member in contact with the other end of said pole-piece, the others of said contacts being mounted for cooperation with said armature, the portion of said envelope containing said pole-piece and armature being mounted within the core space of an associated magnetising coil, and a magnetic yoke member of U-formation embracing said coil and having one of its ends located in transverse alignment with, and in closely spaced relation to, a



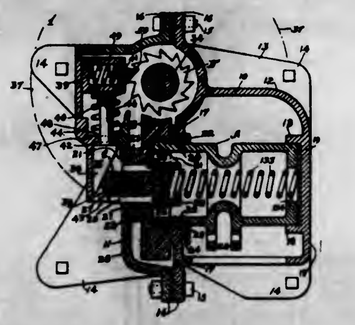
pair of transversely aligned lugs provided one on each longitudinal edge of said armature, the other end of said yoke member being in transverse alignment with, and closely spaced from, said magnetic washer.

2,485,025
DEICER FOR WINDSHIELD WIPERS
George Warren Wattles, Jr., Pittsburgh, Pa.
Application January 25, 1945, Serial No. 574,470
4 Claims. (Cl. 15—250.3)



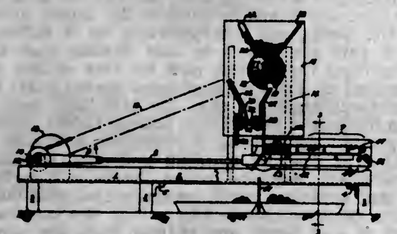
1. A de-icing appliance for de-icing a windshield wiper blade of the squeegee type characterized by a flexible part having a windshield contacting edge or portion, the flexible part being bent and flexed incident to the wiping action of the blade, and characterized by a stiffened back part contiguous to said flexible part and supporting the flexible part for free wiping action and motion, said appliance having parts for removably engaging only the said back part of said blade and including a charge holder having a portion comprising a chamber enclosing a charge of de-icing material and open to admit atmospheric moisture to said charge, said portion of said appliance when assembled on said blade being disposed closely adjacent to the said back part of said blade and remote from the windshield contacting edge of the flexible part of the blade and substantially out of contact with said flexible part in any normal operative flexed position thereof, said portion of said appliance holding said charge closely adjacent the said back part of the blade and spaced from the windshield and having an opening through which the de-icing material of said charge flows in solution from said portion directly to said blade and may reach the windshield only after first wetting the blade.

2,485,026
HAND BRAKE
Keith Williams, Buffalo, N. Y.
Application July 29, 1946, Serial No. 686,813
12 Claims. (Cl. 74—505)



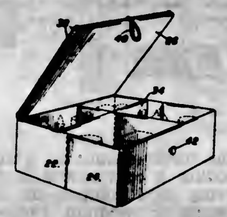
1. In a hand brake mechanism, the combination with a rotary chain-winding member; of a rotary driving member; a clutch operatively connecting said winding member and driving member; manually-actuated rotary means operatively connected to said driving member for rotating the same in reverse directions to tighten and release the brakes; a cam member movable in one direction to disengage said clutch; a ratchet wheel fixed to and rotatable with said manually-actuated means in chain-tightening and releasing directions; a latch member on said cam member with which the teeth of the ratchet wheel have shouldered engagement when the ratchet wheel is rotated in brake-releasing direction for moving said cam member in direction to disengage the clutch; and yielding means holding said latch member engaged with the ratchet wheel to permit idling of said latch member when the ratchet wheel is rotated in brake-tightening direction.

2,485,027
SEPARATING MACHINE
Charles E. Barbee, Davis, and Willard P. Berggren, Azusa, Calif., assignors to The Regents of the University of California, Berkeley, Calif., a corporation of California
Application October 17, 1945, Serial No. 622,712
5 Claims. (Cl. 209—72)



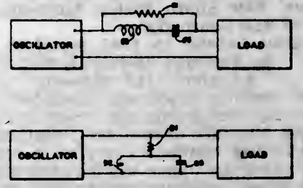
1. A separator for separating foreign matter from beans comprising a carriage, a brush, and means to deposit a mixture of foreign matter and beans to be separated upon said carriage; said carriage being movable in a substantially horizontal plane and having an upper surface provided with means directed toward one end of the carriage for exerting upon said foreign matter an influence to move with the carriage in one direction while said means permit beans to remain against the bristles of said brush as the carriage moves in said direction whereby a group of beans is collected on one side of the brush and another group of said foreign matter passes through the brush, the length of said carriage being shorter than the stroke of movement of said carriage whereby at the end of the forward movement of said carriage said beans are swept off of the rear end of said carriage and at the end of the backward movement of said carriage said foreign matter is swept off of the front end of said carriage and means beneath the brush and below the upper surface of the carriage for maintaining the separation of the separated materials.

2,485,028
COLLAPSIBLE COSMETIC AND ALL-PURPOSE UTILITY BOX
Max Bauernfreund and Jacob Frei, New York, N. Y.
Application June 25, 1947, Serial No. 756,848
2 Claims. (Cl. 150—34)



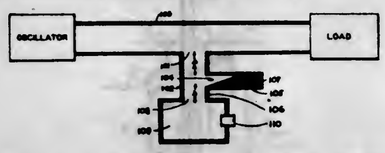
2. A collapsible utility box comprising a body member which includes substantially vertical walls, said walls having a fabric cover with parts of said cover forming hinges attaching together said walls, other parts of said cover forming hinges intermediate the ends of two opposed walls, and other portions of said cover disposed along the lower edge of each of said walls extending substantially perpendicular to said walls and forming a seat, a bottom removably disposed on said seat, partitions mounted on said bottom and having their ends in contacting engagement with said walls, and a closure hingedly connected along the upper edge of one of said walls.

2,485,029
FREQUENCY STABILIZER FOR OSCILLATORS
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 30, 1944, Serial No. 551,951
11 Claims. (Cl. 250—36)



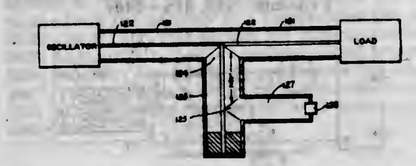
1. In a micro-wave electrical system having a transmission line for the transmission of energy in the microwave region, a magnetron oscillator having two or more modes of oscillation coupled to said line, a load connected to said line, said line having a number of points therealong, one half wave length apart where reactance can be reflected into the line in response to a shift in frequency from a predetermined value to restore the frequency to its predetermined value, a reactance connected to said line at one of said points for effecting the frequencies of said system, and a resistance in circuit connection with said reactance for suppressing modes of oscillations other than the desired mode.

2,485,030
HIGH-FREQUENCY TRANSMISSION SYSTEM
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 30, 1944, Serial No. 551,951. Divided and this application August 31, 1944, Serial No. 552,175
12 Claims. (Cl. 250—36)



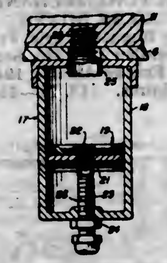
2. In a wave guide transmission circuit, a wave guide, a magnetron oscillator having two or more modes of oscillations connected to one end of said wave guide, a load whose impedance changes connected to the other end of said wave guide, said wave guide having a number of points therealong one-half wave length apart where reactance can be reflected into said oscillator in response to a shift in frequency from a predetermined value to restore the frequency of said oscillator to the predetermined value, and a frequency stabilizer comprising a stub an odd number of quarter waves long at the frequency to be controlled connected in parallel with said wave guide at a position along said guide where the addition of capacitance lowers the frequency of said oscillator.

2,485,031
HIGH-FREQUENCY TRANSMISSION SYSTEM
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 30, 1944, Serial No. 551,951. Divided and this application August 31, 1944, Serial No. 552,176
11 Claims. (Cl. 250—36)



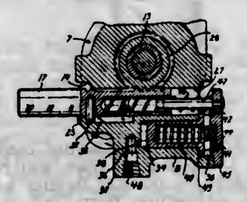
3. In a coaxial cable transmission circuit, a coaxial cable, a magnetron oscillator source having two or more modes of oscillations connected to one end of said coaxial cable, a load whose impedance changes connected to the other end of said coaxial cable, said coaxial cable connecting said load to said source of high frequency, said coaxial cable having positions therealong where the addition of capacitance lowers the frequency of said source and a frequency stabilizer comprising a stub connected in parallel with said coaxial cable at a position along said cable where the addition of capacitance lowers the frequency of said source and a cavity resonator connected in series to said stub, having infinite impedance.

2,485,032
BRAKE APPARATUS
Orby Bryant, Rolla, Mo.
Application August 17, 1948, Serial No. 44,677
1 Claim. (Cl. 188—152)



Brake apparatus comprising a pair of shoes, two pressure applying devices separately acting on the shoes, and an automatically acting device for trapping a quantity of fluid in each applying device, each trapping device including a cylinder, a valved piston freely reciprocable in said cylinder, adjustable means to variably limit travel of the piston in brake releasing direction, the piston valve of each trapping device including a movable valve member having a spring urging it to seating position at the inner side of the piston in brake releasing direction, and a tubular outlet member projecting into the cylinder for seating of the piston against the same in brake-applying direction, said outlet member being of greater diameter than and adapted to accommodate said valve member when the latter is open, said shoes having a spring urging them to release position which is of lesser tension than the valve spring.

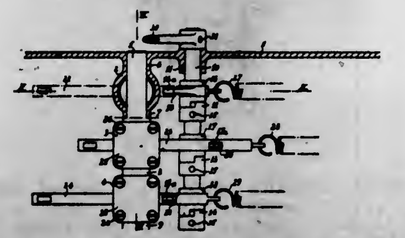
2,485,033
FUEL INJECTION PUMP
Hugo F. Budzien, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application June 30, 1947, Serial No. 758,011
6 Claims. (Cl. 123—179)



1. In a fuel pump for internal combustion engines, the combination of a control member to vary the quantity of fuel delivered by the pump, resilient means acting on said control member to urge the latter in a fuel delivery decreasing direction at all times, movable stop means engageable by said control member and normally positioned to limit the fuel delivery regulating

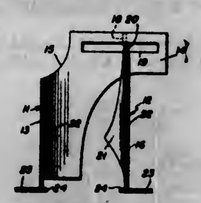
action of the latter to a predetermined maximum delivery, resilient means adapted for retaining said stop means in said normal position, and a source of air under pressure connected into the pump for applying a force on the stop means for urging the same against said resilient means to a position permitting fuel delivery regulation by said control member in excess of the predetermined maximum.

2,485,034
PRESELECTING MECHANISM FOR GEAR BOXES
Ettore Bugatti, Paris, France
Application December 27, 1945, Serial No. 637,318
In France April 7, 1944
7 Claims. (Cl. 74—335)



1. In a pre-selecting mechanism of the type described, the combination of a frame; a control member biassed to operative position, slidably guided and supported in said frame; a catch slidably guided and supported from said frame, for movement to and away from the control member, the catch and the control member having cooperative parts so adapted and arranged that the control member is retained in an inoperative position by said catch when said parts are interengaged; means backed from said frame for biassing said catch to inoperative position; and means including a resilient member for moving said catch to operative position.

2,485,035
HOLDER FOR FRUIT AND VEGETABLES
Frank T. Chensky, Andalusia, Ala.
Application February 4, 1947, Serial No. 726,339
8 Claims. (Cl. 146—216)



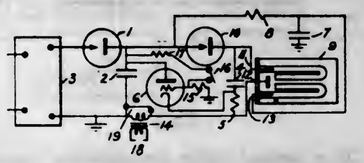
7. A fruit and vegetable holder comprising a substantially U-shaped member which is composed of an arcuate portion having wings with slots therein extending from the side edges thereof, grippers immovably secured to said U-shaped member and guards projecting from said member at substantially right angles thereto, an arcuate plate having ears extending therefrom slidably received in said slots restricting the movement of said arcuate plate relative to said member to rectilinear, and guards projecting from said arcuate plate at substantially right angles relative thereto, smoothly curved side pieces integral with said arcuate plate and positioned intermediate said ears and said guards to clampingly engage fruits and vegetables, grippers immovably secured to said arcuate plate, said first mentioned guards and said second mentioned guards being substantially coplanar.

2,485,036
LOCK JOINT FOR ANATOMICAL APPLIANCES
Merle E. Christopher, El Paso, Tex.
Application April 1, 1947, Serial No. 738,610
5 Claims. (Cl. 128—87)



1. In an anatomical appliance embodying upper and lower brace members, a tubular hub on one of them receiving the adjacent end of the other, a pivot connecting said members, and an expansible chamber enclosed within said hub, of a hollow compressible actuator located in the heel of a shoe worn by the wearer of the appliance and a conduit connecting the chamber and actuator and forming therewith a hydraulic system serving to regulate the frictional pressure exerted on said pivotal connection upon the application by the wearer of his bodily weight upon the actuator.

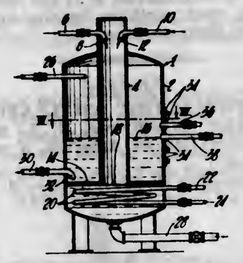
2,485,037
HIGH-INTENSITY ELECTRON FLASH TUBE CIRCUITS
Richard U. Clark, Winchester, Mass., assignor to Tobe Deutschmann Corporation, Canton, Mass., a corporation of Massachusetts
Application January 18, 1947, Serial No. 722,848
9 Claims. (Cl. 315—240)



1. In combination in an electron discharge power device, primary, secondary, and tertiary condensers in parallel connection, a source of unidirectional current feeding said primary condenser, an isolating device in the input connection to said primary condenser, means comprising a visually glowing rectifier and a series resistor for charging said secondary condenser, and means for charging said tertiary condenser from said uni-directional current source comprising a

series connected resistor, a dual flash tube containing three electrodes, one of the electrodes of said tube connected to the negative of said primary condenser, the second electrode connected to the positive of said secondary condenser, and the remaining tube electrode connected to the positive of said tertiary condenser, transformer output means connected in series with the common lead to said flash tube, and a switch means comprising a gas triode for connecting said primary and secondary condensers in series to initiate their discharge in said flash tube.

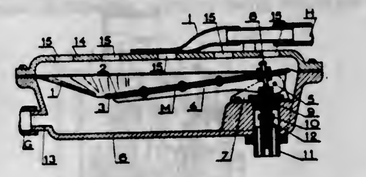
2,485,038
APPARATUS FOR WASHING AND COOLING GASES
Martin Culkosky, Gary, Ind.
Application August 4, 1945, Serial No. 608,907
3 Claims. (Cl. 261—11)



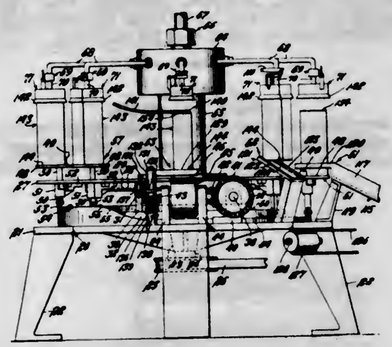
1. Apparatus for washing and cooling compressed gas which comprises a closed tank having a liquid washing and cooling bath in the bottom thereof, a cylindrical downcomer closed at the top and having an open bottom extending into the bath, means to introduce compressed gas into the top of the downcomer so that it impinges at a substantial angle on a sidewall of the downcomer and travels downwardly thereof, said means comprising a nozzle extending through the wall of the downcomer and directed generally tangentially of the inner wall of the downcomer and downwardly with respect thereto, whereby the compressed gas after impingement on the sidewall travels downwardly in a spiral path through the downcomer and then upwardly through the bath outside the downcomer, a perforated plate around the bottom of the downcomer and below the top of the liquid bath in the tank so that the gas is divided into fine streams in its passage through such bath, means to collect the washed gas above the bath in the tank for delivery to a compressed gas using instrumentality, and means for cooling the liquid bath to maintain it at a predetermined temperature, whereby the moisture content of the washed gas is adjusted to a point of substantial saturation at the lowest temperature it subsequently encounters.

2,485,039
DIVING UNIT
Jacques Yves Cousteau and Emile Gagnan, Paris, France
Application March 10, 1947, Serial No. 733,658
In France July 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1963
5 Claims. (Cl. 128—145)

1. A breathing apparatus for divers comprising a breathing device, a source of breathable gas, a conduit for conducting gas from the source to the breathing device, a regulator forming a portion of the conduit, said regulator including a valve for controlling the flow of gas through the conduit, a diaphragm and means operatively connecting the valve and the diaphragm, the diaphragm being exposed on one side to the pressure of the surrounding fluid media and on the other side to the pressure of the gas in the regulator, an exhalation valve so positioned that the distance between it and the center of the operative portion of the diaphragm is less than the height of a column of the surrounding fluid media representing the pressure necessary for operating the diaphragm sufficiently to open the regulator valve, and a conduit for conducting expired gas from the breathing device to the exhalation valve.

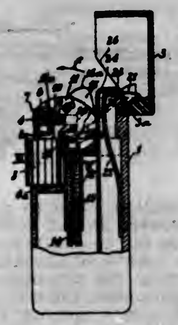


2,485,040
CARTON HANDLING APPARATUS
William J. Cupo, Jersey City, N. J., assignor to Waldorf Paper Products Co., St. Paul, Minn., a corporation of Minnesota
Application May 5, 1945, Serial No. 592,164
10 Claims. (Cl. 93—6)



1. Carton handling apparatus comprising, in combination, means to receive filled cartons having their closure flaps folded in overlapping relation with outer flap structure being more pervious to air than inner flap structure, means to move said cartons progressively forward, suction means to apply suction to the outer flap structure of each carton from the exterior of the latter, means to bring each carton and said suction means together and thereafter cause the latter to draw and hold the inner flap structure tightly against the outer flap structure to permit adhesive bonding thereof, means preceding a normal discharge station to remove defectively closed cartons, means to release the completed packages from said suction means after bonding of the flap structures, and means at a normal discharge station to discharge the completed packages.

2,485,041
LIGHTER
Gerard Descoubes, Paris, France, assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application July 27, 1946, Serial No. 686,639
In France March 12, 1946
3 Claims. (Cl. 67—7.1)



3. In a lighter, the combination of a casing, a spark wheel mounted to rotate on the casing, said casing having a recess adapted to contain a flint, a lever pivotally secured to the casing and adapted to partake of an active position wherein it engages the flint and a retracted position wherein it is withdrawn from engagement with the flint, and a lid on the casing, said lever being so shaped that in its retracted position it will lie in the path of the lid when the lid is moved from open to closed position, whereby said lid is adapted to move the lever from its retracted to its active position when said lid is closed.

2,485,042
BOLT CASING
Carl F. Friend, Burbank, Calif.
Application May 8, 1945, Serial No. 592,547
7 Claims. (Cl. 292—337)



1. As an article of manufacture, a housing for a latching device including contiguous members whose outer edges are oppositely deformed to define a substantially U-shaped channel section therebetween and whose central portions are oppositely deformed to define a guide passage therebetween.

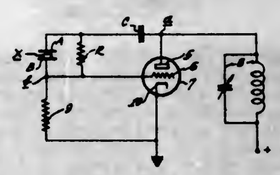
2,485,043
NONSTARCH DESSERT COMPOSITION
François Gatti, Spiegel-Berne, Switzerland, assignor to Gabriel Fabre, New York, N. Y.
No Drawing. Application December 7, 1948, Serial No. 64,049
4 Claims. (Cl. 99—139)

1. A non-starch dessert composition, free of curdling effect on hot milk, comprising agar-agar, dextrose, and sodium bicarbonate, the dextrose being present in amount in excess of the agar-agar and the sodium bicarbonate in the proportion of 15 to 40 parts for 100 of the agar-agar.

2,485,044
VINYL ACETATE PRODUCTION
Willard H. Gehrke, Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application August 16, 1947, Serial No. 769,053
7 Claims. (Cl. 260—498)

1. The method of vinylating acetic acid with acetylene which comprises contacting a gaseous mixture of acetic acid and acetylene at a regulated temperature between about 200° and 250° C. with a catalyst consisting essentially of particles of a carrier made by devolatilizing bituminous coal having from 4% to 6% of ash, and then activating said devolatilized coal by means of steam until the ash content of said carrier is in the range of 20% to 25% ash, said particles having zinc acetate present upon their surface.

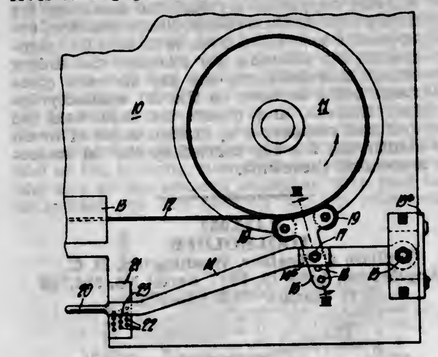
2,485,045
PIEZOELECTRIC OSCILLATOR
Paul D. Gerber, Woodlynne, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1947, Serial No. 751,383
6 Claims. (Cl. 250—36)



1. The combination with a piezoelectric oscillator of the type wherein the piezoelectric element is normally subjected to direct current potentials, of a capacitor having one terminal connected to one side of said piezoelectric element and the other terminal connected to a point in the oscillatory circuit common to said D.-C. potentials thereby effectively isolating all said D.-C. potentials from said piezoelectric element except for potentials due to leakage through said capacitor, and a resistor connected in shunt with only said piezoelectric element to provide a path for said leakage thereby minimizing the accumulation of charge on said element.

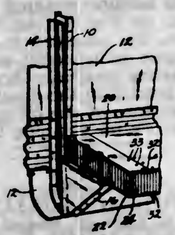
2,485,046
WIRE-END BENDING ATTACHMENT FOR DRAWING BLOCKS
Charles F. Glennon, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 6, 1948, Serial No. 25,496
2 Claims. (Cl. 153—40)

2. An attachment for a wire-drawing block comprising means for supporting one end of a lever adjacent a wire-drawing block, said lever being disposed along side said block and pivoted to said supporting means at about the level of the bottom of the block for oscillation in a plane normal to the axis of the block, an arm extending transversely of and supported by said lever, a pair of bending rolls journaled on said arm in spaced relation around the block and positioned at said level to engage the portion of a length of wire



approaching the block adjacent the point of tangency therewith and bend it therearound.

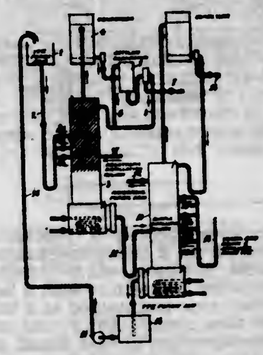
2,485,047
VEHICLE BODY FLOOR STRUCTURE
James W. Greig, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application February 17, 1947, Serial No. 729,017
6 Claims. (Cl. 296—28)



1. In a vehicle body, in combination, two side walls connected at the top by a top wall, a floor panel secured at opposite margins to the opposite side walls and extending in suspension therebetween, said floor panel being a three-ply laminated panel wherein the upper ply and the lower ply are formed each of a metal sheet and wherein the core ply is formed of wood with the grain of the wood extending substantially perpendicularly with respect to the metal plies, said core ply extending along a continuous line both linearly and transversely of the panel between the metal plies and being in contact therewith throughout substantially the entire area thereof, said metal sheets being secured to the core ply against lateral or planar displacement with respect thereto.

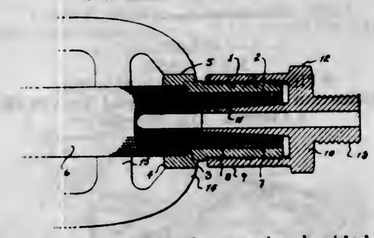
2,485,048
METHOD OF DEHYDRATING AQUEOUS SOLUTIONS OF FORMIC ACID
Henri Martin Guinot, Versailles, France, assignor to Les Usines De Melle (Societe Anonyme), Saint-Leger-les-Melle, France, a company of France
Application June 15, 1945, Serial No. 599,606
In France April 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 4, 1961
10 Claims. (Cl. 202—42)

1. A continuous process for dehydrating aqueous formic acid having an acid content not substantially less than 77 per cent, which comprises continuously introducing aqueous formic acid to be dehydrated into a cycle for formic acid including, spaced apart therein and placed in intercommunication thereby, an azeotropic distillation column and a simple distillation column, the azeotropic distillation column containing a predetermined amount of a water entrainer which is adapted to form an azeotrope with water but no azeotrope with formic acid and is stable in the presence of formic acid, said azeotropic distillation column being operated to



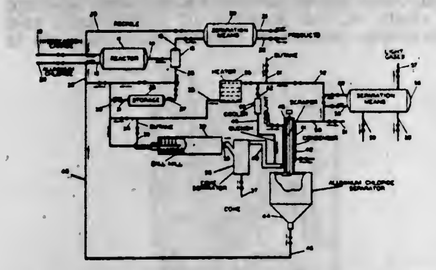
remove part of the water from the aqueous formic acid, thereby leaving an aqueous formic acid having an acid content considerably above 77 per cent to be passed to the simple distillation column, while the latter is operated to separate anhydrous formic acid which rises to the top thereof, from residual 77 per cent acid which returns through said cycle to said azeotropic distillation column; continuously discarding said water; and continuously withdrawing anhydrous formic acid from the cycle out of the top portion of the simple distillation column.

2,485,049
HOSE COUPLING
Raymond J. Halliay, Manitowoc, Wis., assignor to Eastman Mfg. Company, Manitowoc, Wis.
Application September 6, 1945, Serial No. 614,887
2 Claims. (Cl. 285—84)



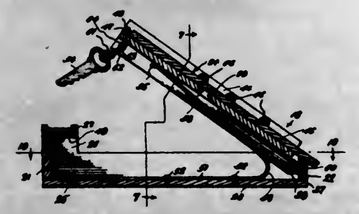
1. A hose coupling for a wire braided hose having an end portion skived down to the wire braiding, said hose coupling comprising an externally threaded sleeve including an outer sleeve and a ductile inner sleeve arranged to engage the wire braiding of the hose and having a portion of the outer sleeve arranged to surround the adjacent unskived part of the hose, and an internally threaded shell having an end wall, and a smooth apertured tapered nipple carried by the end wall and arranged to enter the bore of the hose as said shell is screwed onto said sleeve, said nipple being arranged to expand the hose while the shell is screwed onto said sleeve and to force the wire braiding into embedded relation with said ductile inner sleeve.

2,485,050
RECOVERY OF METAL HALIDES
Harold J. Hepp and Howard R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application March 4, 1946, Serial No. 651,962
4 Claims. (Cl. 23—96)



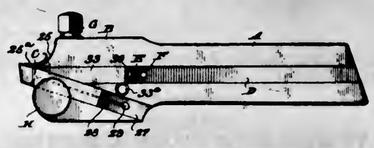
1. An improved process of recovering aluminum chloride from a liquid hydrocarbon-aluminum chloride complex, which comprises continuously passing a stream of such a liquid into a decomposition zone maintained at a temperature not greater than about 1000° F. and sufficient to effect a decomposition of said liquid, simultaneously and concurrently introducing a stream of gaseous butane into said zone at a temperature approximating said decomposition temperature, effecting within said zone a continuous grinding of solid products resulting from decomposition of said liquid, removing from said zone through a common discharge means resulting vapors and comminuted solid material, separating said comminuted solid from said effluents without substantially reducing the temperature thereof, admixing with resulting solid-free vapors liquid butane and thereby reducing the temperature of the resulting mixture below about 150° F., separating from said mixture solid aluminum chloride so formed, recycling at least a part of the remaining material to said decomposition zone as a portion of said gaseous butane, and cooling and condensing a further part of the remaining material and using same as a portion of said liquid butane.

2,485,051
KEY CASE
William E. Joslin, Granby, Mo.
Application June 24, 1946, Serial No. 678,793
5 Claims. (Cl. 70—456)



3. In a key case of the character disclosed, the combination of unitary means for enclosing a plurality of keys in a plurality of compartments individual thereto, a plurality of lid assemblies individual to said plurality of compartments, a unitary means for hingedly supporting said lid assemblies with respect to the compartments individual thereto, resilient means within each compartment for yieldably urging the lid assembly individual thereto into open position, a lid member slidably supported on each lid assembly for releasably locking the same in closed position, coacting means associated with each said lid member and its lid assembly for limiting the sliding movement therebetween, the key in each compartment being secured to the lid assembly individual thereto, and means on each said lid member and responsive to human sense of touch for identifying the key carried by the lid assembly associated therewith.

2,485,052
TOOLHOLDER
William C. Keebler, Washington, D. C.
Application June 19, 1947, Serial No. 755,769
17 Claims. (Cl. 29—97.5)



1. A tool holder including a longitudinal shank to be held in a tool post or the like, said shank having a head portion at its forward end with a longitudinal bit holding channel in one side thereof and having a kerf extending longitudinally of the bit holding channel permitting the parts separated by the kerf to be clamped on a bit placed in the channel, a cap screw for clamping the same upon the bit, and one or more set screws extending vertically through the upper portion of the head into the channel for engaging the upper surface of the bit and cooperating with said cap screw for gripping the bit.

2,485,053
ARTIFICIAL FISH LURE
Floyd H. Layfield, Powell, Tex.
Application October 15, 1945, Serial No. 622,278
2 Claims. (Cl. 43—42.13)

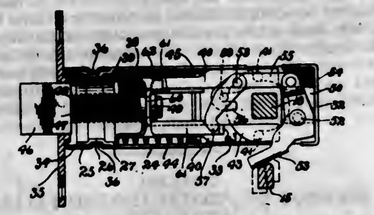


1. An artificial fish lure including a plug body having tail hooks, a tube extending transversely through said body and projecting from each side thereof, a shaft rotatable in said tube, said shaft having bifurcated ends, water vanes carried by the bifurcated ends of said shaft having oppositely concaved ends, and means at the forward end of said body to receive a trolling line.

2,485,054
THUMBPIECE LATCH
Albert F. Lickteig, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,539
10 Claims. (Cl. 292—167)

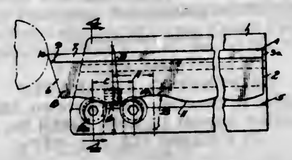
1. A latch including an elongated housing having an opening in one end, a bolt including a bolt head adapted to pass through said opening and

a rod extending inwardly therefrom into the housing, a cup-shaped member through which said rod passes, a relatively light spring between said head and cup member located around the rod, said housing having a shoulder against which said cup member engages limiting its outward movement, a relatively heavy spring means acting on said cup member to normally move it in an outward direction, two spaced retractor bars extending from the cup member toward the inner end of the housing, manually operable means at one side of the housing engaging with said bars to retract the cup member against said heavy



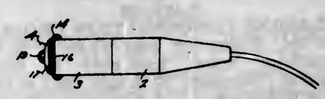
spring means, a saddle having spaced apart arms and a cross member connecting them at their outer ends through which said cross member said bolt rod passes, said saddle being mounted for slidable movement on said retractor bars, means adjacent the inner end of said bolt rod and engaging against the inner side of said cross bar of said saddle to operatively connect the bolt and saddle whereby the bolt is retracted on inward movement of the saddle, and means mounted within the housing adapted to be manually operated and engaging with said saddle for retracting the bolt against the light spring.

2,485,055
TOOLHOLDER AND BLADE
John M. Luers, Mount Clemens, Mich., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich., a corporation of Michigan
Application October 27, 1945, Serial No. 625,054
3 Claims. (Cl. 29—96)



1. An arrangement of the character described comprising a toolholder having one side longitudinally slotted intermediately of its height, a blade mounted in the slot, projecting forward beyond the holder, and having a cutting edge formed across its forward extremity, one edge face of the blade bearing against one side of the slot, the opposite edge face of said blade including a plurality of spaced rearwardly and inwardly inclined sections of uniform length, the total length of all said sections amounting at least to one-half the total length of the blade, and a plurality of holding members adjustably mounted in the holder for engagement with said opposite edge face, said members being so spaced that at all longitudinal positions of the blade in the holder at least one member bears against a rearwardly and inwardly inclined section of said opposite edge face to positively prevent rearward movement of the blade in the holder.

2,485,056
SAFETY RAZOR WITH DOUBLE RECIPROCATING BLADES
Harold O. Mathie, Monterey Park, Calif.
Application February 2, 1948, Serial No. 5,845
14 Claims. (Cl. 30—43)



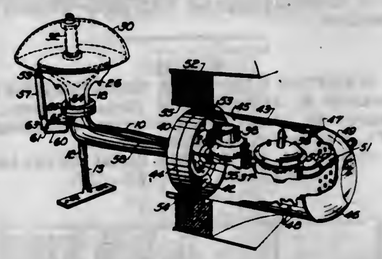
1. A motor powered safety razor including a body structure, a comb fixed across one end of the structure, a plurality of cutting blades nested one on the other and bedded on the comb, and a cap removably retaining the blades in operative position on the comb, and drive means in the body structure for reciprocating the blades on the comb.

2,485,057
CULTIVATING ROLLER
Everett McCormick, Whittier, Calif.
Application May 26, 1945, Serial No. 595,951
1 Claim. (Cl. 97—215)



In a device of the character described, a ground engaging roller provided with a sleeve, said sleeve and said roller having complementary holes receiving the stems of ground engaging tools, said stems being clamped in position within said holes by the relative axial movement of said sleeve and said roller, and means securing said sleeve in a position of axial extension relative to said roller.

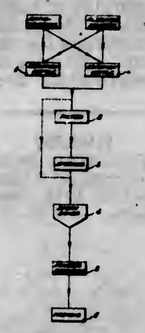
2,485,058
GAS BURNER
Laird C. McKee, Minneapolis, Minn.
Application September 5, 1946, Serial No. 694,960
4 Claims. (Cl. 158—7)



4. In combination, a furnace including a wall having an opening, a burner within said furnace, a conduit leading to said burner by way of said opening, a first closure device for an end of said conduit spaced from said burner including adjustable inlet means for primary air, a pipe for gaseous fuel leading to said conduit by way of said first closure device, devices contiguous with said pipe for gaseous fuel situated outside of said furnace, a sleeve fitted to said opening in cover-

ing relation to said devices, and a second closure device for said opening within said sleeve in surrounding relation to said conduit including adjustable inlet means for secondary air.

2,485,059
MELAMINE CONDENSATION PRODUCT
Harold W. Mohrman and Francis E. Reese, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application May 6, 1944, Serial No. 534,422
1 Claim. (Cl. 260—249.5)



A process for preparing a powdery, water-soluble, amorphous melamine-formaldehyde reaction product, aqueous solutions thereof being capable of unlimited dilution with water without precipitation which comprises reacting 1 molecular proportion of melamine with an aqueous solution of 4 molecular proportions of formaldehyde at a pH of 8.5–9 and at a temperature of about 80–85° C., dehydrating the melamine-formaldehyde addition product by passing a spray of the reaction mixture into a heated air stream having an inlet temperature of 190–210° C. and an outlet temperature of about 65° C., immediately cooling the dehydrated product to about 65° C. and recovering the powdery, amorphous product, the duration of the reaction of the melamine and the formaldehyde prior to spray drying coupled with the duration of the spray drying step at the selected temperatures being sufficiently short so that aqueous solutions of the solid, powdery product are capable of unlimited dilution with water without precipitation.

2,485,060
SLEEPING CAR ROOM ARRANGEMENT
Goodrich K. Murphy, New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 13, 1946, Serial No. 683,503
12 Claims. (Cl. 105—315)

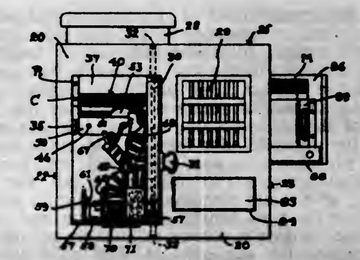


1. In a sleeping car, a pair of rooms disposed between longitudinally extending center aisle and car side walls, and defined by end transverse walls and an intermediate transverse wall separating the rooms, windows of substantially the same size and at substantially the same height above car floor level, one in the side wall of each room, the transverse wall having an offset providing a generally horizontally extending portion at substantially the level of the bottoms of the windows providing vertically arranged longitudinally extending overlaps between the rooms, seats and seat backs in the rooms facing longitudinally, the one room having a slightly higher floor level than the other which has its floor at the level of the car floor, the seat in said higher floor level room being disposed with its back adjacent the end transverse wall of said room and the seat in the other room being arranged with its back adjacent the transverse separating wall, made-up beds movably disposed in the respective rooms and adapted to occupy stowed and use positions therein, the beds when in use position extending substantially throughout the maximum length of the respective rooms, the bed in the higher floor level room, at substantially the lower margin of the window in said room and the bed in the other room at substantially seat level in said room.

2,485,061
METHOD OF PROTECTING METALLIC SURFACES
Peter J. Nebe, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application March 8, 1946, Serial No. 653,174
1 Claim. (Cl. 148—6)

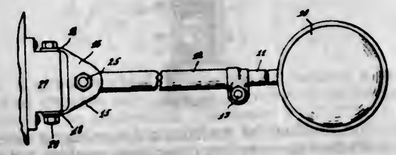
A method of protecting plain carbon steel inner covers of annealing boxes from oxidation when such covers are heated to annealing temperatures of 1400° to 1600° F. comprising weathering a cover and thereby forming a thin iron oxide film on its surface, heating the cover to an annealing temperature, cooling the cover to a temperature of 400° to 700° F., spraying on the cover surface while at this latter temperature a coating composition consisting of a suspension of powdered graphite in an aqueous solution of sodium silicate, the proportions being 20 to 25 pounds of graphite for each five gallons of sodium silicate and each five gallons of water, the composition being applied approximately in the amount of one gallon per 1000 square feet of cover surface, and re-heating the cover to an annealing temperature.

2,485,062
DISPENSING APPARATUS
Charles E. Newton, Charlestown, Mass.
Application August 16, 1948, Serial No. 44,513
11 Claims. (Cl. 312—83)



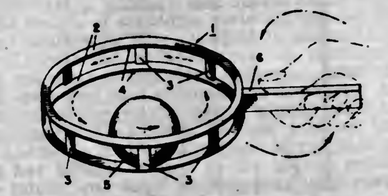
1. In an apparatus for dispensing articles, the combination with a chamber provided with a stationary receptacle adapted to support a plurality of articles for release therefrom by gravity, a door for the chamber, a cyclically operable escapement mechanism for releasing a single article from the receptacle under the influence of gravity when the door is closed, and a holder operatively connected to the door so as to move to a location within the chamber to receive an article released from the receptacle when the door is closed and to a location outside the chamber to proffer said article when the door is opened, of lever mechanism operatively connected to the door and controlled by its opening and closing movements to operate the escapement mechanism cyclically.

2,485,063
MIRROR MOUNTING
Quintin G. Noblitt and Edmund Ludlow, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application October 16, 1944, Serial No. 558,852
2 Claims. (Cl. 248—226)



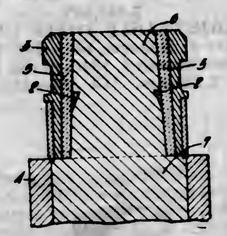
1. In a mounting for rear-vision mirrors, a mirror supporting arm, a yoke having parallel side walls and adapted for attachment to a vehicle, a pair of co-axial cup-shaped members having bottom walls disposed respectively against the side walls of said yoke and annular walls extending toward each other, each of said annular walls being provided with diametrically opposite notches, said arm being disposed between said members and in said notches, and a pivot bolt extending through said parallel yoke-walls, the bottom walls of said members, and said arm and being capable of being tightened to clamp said members against said arm and the assembly of members and arm between said side walls.

2,485,064
TOY
Krant Paclayan, North Bergen, N. J., now by judicial change of name Krant Paclan
Application May 9, 1947, Serial No. 746,900
1 Claim. (Cl. 46—47)



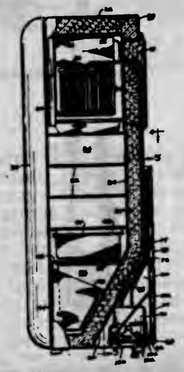
A toy comprising the combination of a pair of annular plates made of sheet plastic material, a series of posts consisting of relatively narrow straight strips of said sheet plastic material cemented in peripherally spaced relation to said annular plates at their outer peripheries to connect them in axially spaced concentric relation so that the inner peripheries of the plates form circular rail edges cooperating to provide a closed circular track, said series of posts comprising the sole means connecting the plates to each other, and a handle projecting radially outwardly from one of the posts, whereby a ball having a diameter appreciably greater than the distance separating the plates is adapted to travel around the track by riding on the rail edges without contacting the posts and be held on the rail edges by centrifugal force when the handle is manipulated to give the track a gyratory motion.

2,485,065
METHOD OF RECESSING THE SINKHEAD OF INGOTS AND THE LIKE
Martin S. Paparian, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Continuation of application Serial No. 487,930, May 21, 1943. This application November 27, 1946, Serial No. 712,615
5 Claims. (Cl. 22—190)



3. In the casting of ingots and the like, the method which include the steps of cementing a fired refractory core-like member on each of at least two opposed inner side walls of the hot top of the ingot mold, pouring the molten metal in the mold and hot top to a level so that the metal is disposed around the core-like members and extends a substantial height above them, allowing the metal to cool and solidify, severing the core-like members from the hot top whereby they remain embedded in the ingot, removing the hot top from the mold, and finally removing the core-like members from the ingot so as to provide a recess in each of the side walls of at least two opposed sides of the hot top of the ingot for receiving the jaws of a crane or other lifting mechanism.

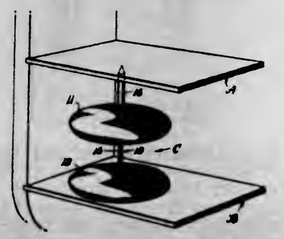
2,485,066
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application September 19, 1947, Serial No. 774,960
3 Claims. (Cl. 62—116)



1. In refrigerating apparatus, a cabinet having a cooling compartment and having a machinery

compartment formed in part by an inclined wall, a removable flue member overlying and in part forming a wall of said machinery compartment, said inclined wall and said flue member converging upwardly to effect a flue action, a refrigerant evaporator arranged to absorb heat from said cooling compartment and removable through an opening in a rear wall of said cabinet, a refrigerant motor-compressor unit in said machinery compartment operatively connected to said evaporator, and a refrigerant condenser operatively connected to said evaporator and to said motor-compressor unit and being carried by said removable flue member and terminating below said opening in said rear wall.

2,485,067
ADJUSTABLE SHELF UNIT
Mary E. Roberts, Berkeley, Calif.
Application March 4, 1946, Serial No. 651,751
7 Claims. (Cl. 211—144)



1. A detachable and rotatable shelf unit adapted to be assembled and rotatably secured between permanent shelves or the like spaced at varying distances apart, said unit comprising a two-part central shaft having pointed ends adapted to firmly engage the material of the upper and lower permanent shelves while permitting rotation of the unit, resilient means normally urging the two parts of the shaft apart, and one or more circular shelves secured to the central shaft.

2,485,068
BRUSH COVER
Alfred H. Santana, Baltimore, Md.
Application June 30, 1947, Serial No. 758,089
3 Claims. (Cl. 206—15.1)



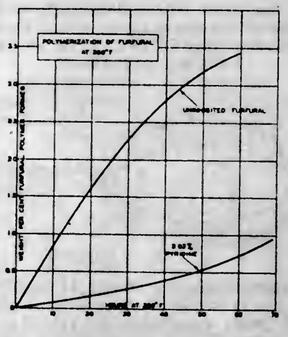
1. A brush cover comprising a sheath of air-tight pliable elastic material adapted to encircle the bristles of a brush, a reduced neck at one end of the sheath for encircling the handle of the brush and a skirt at the end of the sheath opposite the neck, said skirt being adapted to be folded back to overlie one side of the sheath and completely enclose the ends of the brush bristles remote from the handle and an inwardly extending stiffening and reinforcing bead at the junction of the sheath and the skirt.

2,485,069
TRANSLATING MATERIAL OF SILICON BASE
Jack H. Scaff, Summit, N. J., and Henry C. Theuerer, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1944, Serial No. 545,854
9 Claims. (Cl. 175—366)



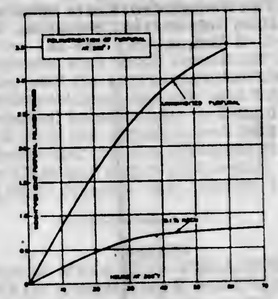
1. The method of making a translating device for electric waves which comprises casting an ingot from a quantity of silicon of high purity, adding to said quantity of silicon before casting, a definite percentage of boron for the purpose of controlling the electrical resistance of the cast material, shaping an element of the cast silicon-boron material from said ingot, and treating said element to produce on the surface thereof a thin integral layer of silicon of high electrical resistance.

2,485,070
INHIBITING POLYMERIZATION OF FURFURAL IN EXTRACTIVE DISTILLATION
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application March 26, 1945, Serial No. 584,981
16 Claims. (Cl. 202—39.5)



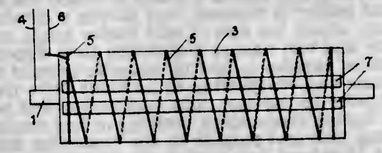
1. A process which comprises subjecting a mixture of organic compounds, capable of being segregated into dissimilar fractions by furfural, to selective solvent extraction with furfural containing not more than 1 per cent by weight of a furfural polymerization inhibiting compound selected from the group consisting of pyridine and its alkyl homologues, at temperatures elevated above atmospheric and under non-oxidizing conditions.

2,485,071
INHIBITING POLYMERIZATION OF FURFURAL IN EXTRACTIVE DISTILLATION
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application March 26, 1945, Serial No. 584,982
16 Claims. (Cl. 202—39.5)



1. A process which comprises subjecting a mixture of organic compounds, capable of being segregated into dissimilar fractions by furfural, to selective solvent extraction with furfural containing not more than 1 per cent by weight of a furfural polymerization inhibiting compound selected from the group consisting of alkali metal thiocyanates, at temperatures elevated above atmospheric, and under non-oxidizing conditions.

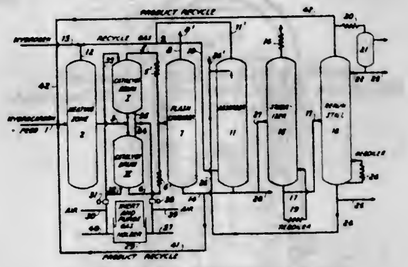
2,485,072
HEAT-TREATING FABRIC
Wendell H. Shields, Grand Rapids, Mich.
Application July 22, 1946, Serial No. 685,300
1 Claim. (Cl. 26—1)



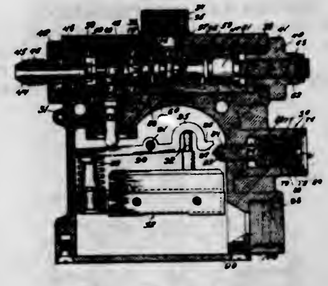
The method of treating thermoplastic fabric which comprises moistening a length of thermoplastic fabric, winding said fabric and a superposed length of surfacing material onto an electrical conducting core resulting in alternate layers of fabric and surfacing material, surrounding said roll with an electrical conductor, connecting said core and said surrounding conductor in a high frequency electric circuit whereby said high frequency current passes through said roll heating the same, maintaining said current until said roll has become heated to the plastic point of the fabric, and then disconnecting said current and allowing said roll to cool.

2,485,073
HYDROCARBON CONVERSIONS
William H. Shiffler, San Francisco, and William H. Claussen, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application February 1, 1946, Serial No. 644,962
16 Claims. (Cl. 196—50)

1. Process for the catalytic treatment of fluid hydrocarbons which comprises contacting said hydrocarbons in vapor phase with a solid catalyst comprising oxides and sulfides of vanadium which are in substantial equilibrium at a temperature between 900° F. and 1200° F. with a mixture of hydrogen, hydrocarbon and a volatile sulfur containing compound under a total pressure between 50 and 500 pounds per square inch, the partial pressure of hydrogen being between 30 and 300 pounds and of the sulfur compound being between 0.5 and 30 pounds per square inch, the vanadium oxide and sulfide components of the catalyst being supported on activated alumina and present to the extent of at least 0.5% by weight expressed as vanadium metal.

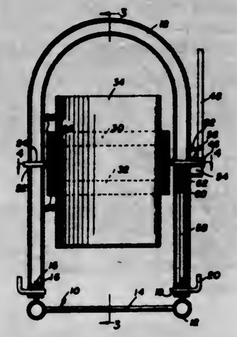


2,485,074
PRESSURE CONTROL
Robert Stevenson, Barrington, R. I., assignor to Merit Engineering, Inc., a corporation of Rhode Island
Application June 17, 1946, Serial No. 677,370
5 Claims. (Cl. 103—25)



1. In a hydraulic system having pressure and return liquid conduits, a pump for effecting pressure in said pressure conduit, an electric motor for driving said pump, a supply of electric energy for said motor including a switch for controlling said supply, main control means responsive to the pressure level in said pressure conduit for operating said switch to drive said motor at a predetermined low level and stop said motor at a predetermined high level, auxiliary means communicating with the high pressure side of said control means for taking over control of said switch from said control means upon the pressure level dropping below a predetermined value lower than the above said lower level in said pressure conduit.

2,485,075
BARREL HOLDER
Alfred J. Seenaal and Rufus T. Seenaal, Holliday, Tex.
Application June 6, 1947, Serial No. 752,932
5 Claims. (Cl. 248—129)



1. A barrel holder comprising a base, a support pivotally mounted on said base, means for locking said support at right angles to said base, barrel embracing means, means for journalling said embracing means to said support, means selectively rotating said embracing means, additional locking means retaining said embracing means in adjusted position, and further locking means carried by said frame preventing tilting movement thereof when said first mentioned means are removed.

2,485,076
FUSE
Anthony T. Timerman, Milwaukee, Wis.
Application September 3, 1946, Serial No. 694,647
1 Claim. (Cl. 200—123)



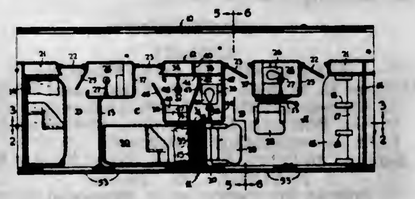
In a fuse device, the combination with a pair of terminals tensioned relative to each other, of a connection between said terminals comprising a fuse link adapted to rupture under high current surges, a heater element having a tensile strength greater than any tensioning load that may be placed upon it, and means connecting said fusible link with said heater including a conductor plug in which one end of said link is anchored, a metal tube directly electrically connecting said plug and one end of said heater element, the connection between said tube and plug being insufficient to hold the tube mechanically connected with said plug under the tension force of said terminals, and a fusible composition for anchoring said tube to said plug against said tension force.

2,485,077
COUNTERBORE
Walter Van Benschoten, Santa Monica, Calif.
Application July 20, 1945, Serial No. 606,167
2 Claims. (Cl. 77—58)



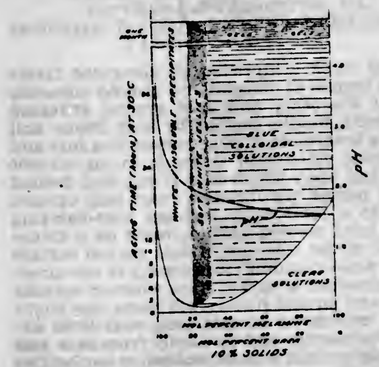
1. A counterbore comprising: a holder; a pilot; cooperating means on the pilot and in the holder, mounting the pilot coaxially in the holder; a counterbore tool having an axial bore through which the pilot extends, said pilot having a projecting end portion of a diameter less than that of the bore, whereby the tool may be slipped over the pilot while the pilot remains mounted in the holder, said tool having a recess in which the end of said holder is received, and having a shoulder against which the end of said holder abuts, said holder and tool having interfitting flats disposed in planes parallel to and on opposite sides of the tool axis and cooperating to transmit drive from the holder to the tool, and said holder and tool each having cooperating portions of key recesses opening into and parallel to the respective flats; and a U-shaped key having spaced legs received in the respective key recesses and having a bight connecting said legs, said tool being cut away between corresponding ends of said key recesses to house said bight.

2,485,078
SLEEPING CAR ARRANGEMENT
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 20, 1946, Serial No. 655,726
7 Claims. (Cl. 105—315)



1. In a railway sleeping car, a pair of rooms arranged between a car side wall and a side aisle wall and separated by a transverse wall interconnecting the car side and aisle walls and further defined by transverse end walls longitudinally spaced from said separating wall, a foldable bed in each room normally stowed against said transverse wall adjacent the car side wall and movable to horizontal use position extending longitudinally of the car and substantially from said separating wall to the associated transverse end wall, and a pair of enclosed toilet compartments, one for each room, lengthwise flanking said transverse wall which constitutes a common separating wall for said compartments, the wall of each compartment opposite said common wall being arranged substantially rectangularly to the aisle wall and the common wall being inclined so as to make one end of each compartment wider than the other and disposing the wide end of one compartment opposite the narrow end of the other.

2,485,079
COLLOIDAL MELAMINE-UREA-FORMALDEHYDE COPOLYMER SOLUTIONS
Henry P. Wohnsiedler, Darien, and Walter M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 4, 1944, Serial No. 516,932
1 Claim. (Cl. 260—29.4)

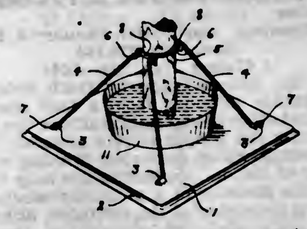


A colloidal aqueous solution of a resinous copolymer of melamine, urea and formaldehyde which contains 1 to 70 mol percent of urea and 30 to 99 mol percent of melamine and about 1 to 4 mols of combined formaldehyde for each mol of melamine+urea, said solution being acidified to a pH within the range of 0.25 to 4 by a content of 0.2 to 2.5 mols of hydrochloric acid for each mol of melamine, said resinous copolymer having a degree of polymerization such that the dispersed particles thereof are colloidal in character and size.

2,485,080
COLLOIDAL MELAMINE-UREA-FORMALDEHYDE COPOLYMER SOLUTIONS
Henry P. Wohnsiedler, Darien, and Walter M Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application January 4, 1944, Serial No. 516,932. Divided and this application March 9, 1949, Serial No. 80,578
1 Claim. (Cl. 260—29.4)

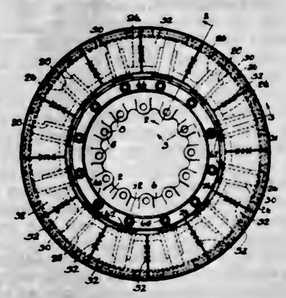
A colloidal aqueous solution of a resinous copolymer of melamine, urea and formaldehyde which contains 1 to 70 mol percent of urea and 30 to 99 mol percent of melamine and about 1 to 4 mols of combined formaldehyde for each mol of melamine+urea, said solution being acidified to a pH within the range of about 3–4 by a content of from 1.5 to 6 mols of acetic acid for each mol of melamine, said resinous copolymer having a degree of polymerization such that the dispersed particles thereof are colloidal in character and size.

2,485,081
TREE STAND
Emmett F. Ahrens, Aitkin, Minn.
Application June 19, 1948, Serial No. 34,087
2 Claims. (Cl. 248—38)



1. As a new article of manufacture a tree stand comprising a sheet metal base member having its marginal edges pressed downwardly to form reenforcing means, lugs struck upwardly from said base, brace members pivotally carried by said lugs on said base member and having arcuate portions adapted to engage the trunk of a tree in spaced relation to its butt end, a spike projecting upwardly from said base and being adapted to carry the butt end of the tree, and hooks adjacent the arcuate portions of said brace members to secure the latter together and cause same to firmly grip a tree trunk.

2,485,082
COMPOSITE BRAKE ROTOR
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 8, 1946, Serial No. 668,203
16 Claims. (Cl. 188—218)



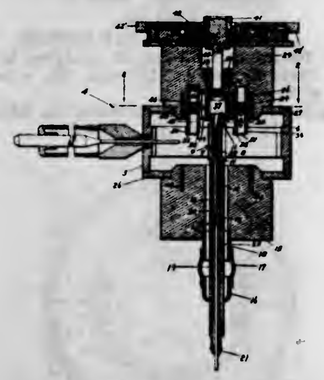
1. A composite brake rotor comprising a central spider having a hub portion and a vertical plate, spaced circumferential webs integrally joined to said plate adjacent the outer periphery thereof, rings carried by said webs, a series of studs annularly spaced about said plate inwardly of said rings on each face thereof and having their remote faces aligned with corresponding faces of said rings, a series of segmental friction members seated on said faces at opposite sides of

said plate in wedge engagement with the respective rings, wedge securing means associated with each series, each of said securing means being a single member bearing against all of the segmental friction members of one series, and tension means fixed between respective securing means, said tension means also fixing said securing means to said plate.

2,485,083
FROTH FLOTATION OF COPPER SULFIDE ORES WITH LIGNIN SULFONATES
Robert B. Booth, Springdale, and Roy A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 4, 1946, Serial No. 639,164
4 Claims. (Cl. 209—166)

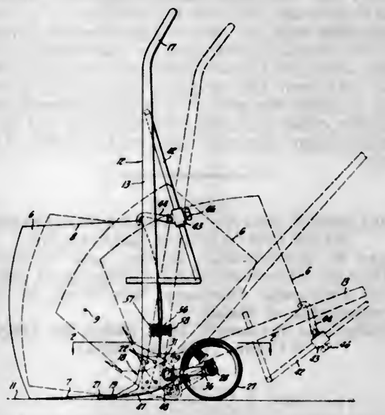
1. In the concentration by froth flotation of copper sulfide minerals from a feed comprising copper and other heavy metal sulfides, the method of reducing the copper sulfide minerals content in the tailing, which comprises forming an aqueous pulp of the ore, subjecting the pulp to flotation in the presence of a promoter selected from the group consisting of the xanthate, dithiophosphoric acids and dithiophosphate types and 0.01–0.5 pound per ton of feed of a surface-modifying agent for the copper sulfide minerals, which agent is selected from the group consisting of the alkali and alkaline-earth metal lignin sulfonates and collecting the resultant froth concentrate.

2,485,084
ELECTRON DISCHARGE DEVICE
William C. Brown, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 11, 1945, Serial No. 587,725
4 Claims. (Cl. 250—27.5)



1. A tunable electron-discharge device comprising an anode structure provided with a plurality of anode members; each pair of adjacent anode members, together with that portion of said anode structure lying therebetween, constituting a cavity resonator; each anode member having a slot formed therein; a pair of conductors disposed in said slots and alternately contacting successive anode members; said conductors providing a transmission line having impedance; and means on said line for altering the effective length thereof from values greater than one-quarter of the length of the waves corresponding to the natural frequencies of said cavity resonators to values less than one-quarter of the length of said waves.

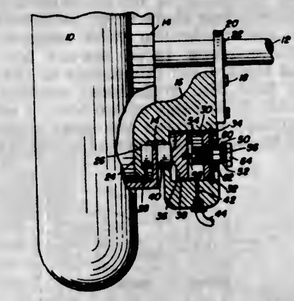
2,485,085
HAND TRUCK
Arthur R. Burch, Berkeley, Calif.
Application June 28, 1946, Serial No. 680,125
1 Claim. (Cl. 280—56)



A hand truck comprising an elongated frame having a handle at one end and ground engaging means at the other end, said ground engaging means being rigidly carried by said frame and defining a lowermost surface curved in a fore and aft direction when said frame is in an upright position and upon which said frame and ground engaging means are rockable from said upright position to a rearwardly inclined load-carrying position, links pivoted to said frame on a transverse axis at the rear end of said curved surface with said axis extending transversely to the direction of curvature of said surface whereby rocking of said frame on said surface will cause only slight rearward movement of said axis, said links extending rearwardly and upwardly from said axis and having ground wheels journalled to the free ends thereof, and spring means connected to said frame and said links and arranged to constantly act on said frame and links in all operative positions of said frame to swing said links about said axis in a direction to move said wheels away from the handle end of said frame, said spring having sufficient strength to normally position said wheels to hold said frame in said upright position.

2,485,086
WHEEL BRAKE ASSEMBLY WITH ADJUSTABLE RELEASING MEANS
Toby T. Cagle, Idaho Falls, Idaho
Application March 15, 1948, Serial No. 14,879
4 Claims. (Cl. 188—152)

1. In an airplane having a fixed non-rotatable axle and a rotatable wheel and contiguous brake disk mounted thereon, the combination with a hydraulic brake assembly including a housing secured to the axle, an extending arm carried by said housing, a fixed brake block on said arm engaging one side of the brake disk, a fluid chamber in said housing, a movable brake block in alignment with said chamber, a piston slidably mounted in said chamber and responsive to a brake applying pressure in one portion of the chamber for imparting a brake applying pressure to the movable block; of a cylinder adjustably secured in the inner end of the housing and having one end inserted in said chamber, a plug dis-



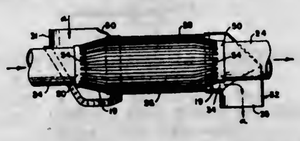
posed in the outer end of the cylinder, a connecting member slidably disposed in said cylinder and having one end anchored to the piston, resilient means disposed about the portion of the connecting member housed within the cylinder.

2,485,087
ILLUMINATED FISHING FLOAT
Abe Diamond, Jacksonville, Fla.
Application September 16, 1948, Serial No. 49,620
5 Claims. (Cl. 43—49)



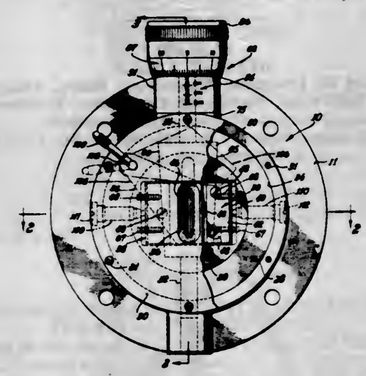
5. A float having means for receiving a fishing line, a chamber, and a longitudinal bore, illuminating means within the chamber, and an elongated bar of light transmitting material extending through said bore and having one end thereof adjacent to the illuminating means and the opposite end thereof freely exposed.

2,485,088
HEAT EXCHANGER REINFORCING MEANS
Herbert B. Ellis, Pasadena, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application February 5, 1945, Serial No. 576,287
3 Claims. (Cl. 257—246)



1. In a heat exchanger: longitudinally extending flutes arranged radially and circumferentially spaced, the ends of the flutes being provided with projections arranged to form a ring in which the end of a stack is adapted to be connected; a band fitted over said projections; and a plurality of flexible members extending from said band and joined to the crests of the ridges of said flutes at points spaced apart longitudinally of said members, said members being adapted to afford limited yieldability to compensate for stresses occurring as the result of temperature changes of the exchanger.

2,485,089
OPTICAL SLIT
Gustave Fassin, Los Gatos, Calif., assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application March 29, 1946, Serial No. 658,098
18 Claims. (Cl. 88—61)

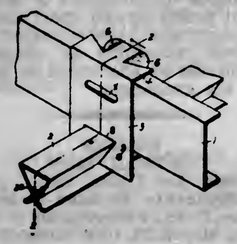


1. In an optical slit, apparatus comprising: a housing; a support in said housing; a pair of oppositely disposed resilient cantilever members, each fixed adjacent one end to said support within said housing; a pair of oppositely positioned jaw members, each carried by one of said cantilever members adjacent the other end; a slit blade fixed to each of said jaw members, said slit blades being positioned opposite to one another to form therebetween a slit opening of variable width in said housing; a yoke member movably supported intermediate said jaw members in guides associated with said housing, said yoke member having a pair of convergingly directed runner slides; a plurality of adjustable runner elements associated with each of said jaw members, the runner elements of each jaw member being positioned to bear slidably on opposite ones of said converging runner slides under deflecting stresses in said cantilever members; means to move said yoke member in said guides to move said jaw members and deflect said cantilever members in opposite directions to vary the spacing between said slit blades while maintaining their parallelism; and a shutter movably supported in said housing and adapted to be moved between positions covering and exposing said variable slit opening.

2,485,090
CHANNEL CLIP
Harold L. Finch, Davenport, Iowa, assignor to Fameo, Inc., a corporation of Illinois
Application July 1, 1946, Serial No. 680,687
3 Claims. (Cl. 189—35)

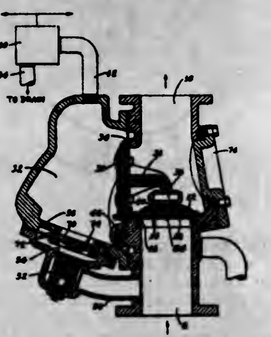
1. A channel clip formed of a plate of sheet metal having a bent over end that is provided

with diagonal slits extending inwardly from its sides to provide oppositely directed bendable ele-



ments, the plate adjacent its other end having a furring-runner-receiving slot.

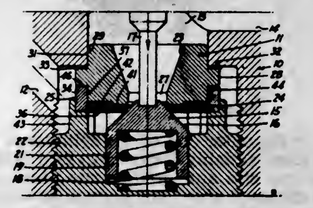
2,485,091
DELUGE VALVE
Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company, Worcester, Mass., a corporation of Massachusetts
Application January 8, 1945, Serial No. 571,734
6 Claims. (Cl. 169—20)



1. A deluge valve for a fire extinguishing system of the dry-pipe type, comprising a valve body having a passage therethrough, a primary valve for controlling the flow through said passage, the valve being pivotally mounted to open in the direction of flow, a holding chamber, a holding valve within said chamber of greater area than the primary valve and adapted when held closed to hold closed the primary valve, means providing relatively restricted flow communication between the holding chamber and the passage on the inlet side of the primary valve, and means including a resilient diaphragm of substantially greater area than the flow communicating means and having one side in communication with the holding chamber and the other side in communication with the valve passage for transmitting sudden pressure changes therein directly to the holding valve.

2,485,092
VALVE CONSTRUCTION
Thomas E. Gannon, Oakland, Calif., assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif., a copartnership
Application May 20, 1944, Serial No. 536,556
1 Claim. (Cl. 251—167)

In a valve construction of the type making use of a valve member having a conical valve working surface and movable in opposite directions to control fluid flow, an annular valve seat assembly having an annular fluid passage or orifice, said seat assembly comprising a rigid ring shaped body surrounding the passage and having a conical seating surface for abutment with the conical surface of the valve member, said seating surface being faced toward the valve member and toward the inflow side of the valve, a relatively thin disc of resilient material disposed upon the inflow side of the body, a retainer cap telescopically engaging the body on the inflow side of the same and having a wall extend-



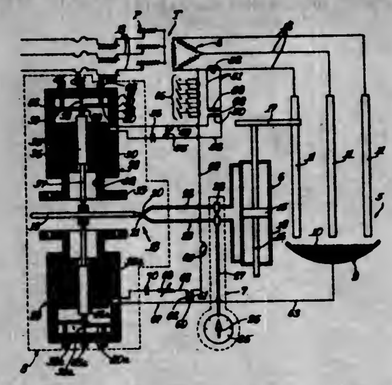
ing over the disc, the disc having a central opening concentric with the axis of the seat assembly and the inner periphery of the disc being adapted to contact and seal upon the conical surface of the valve member when the valve member is in abutment with the conical surface of the body member, the outer periphery of the disc engaging the inner periphery of the cap rim to centralize the disc, and means serving to clamp the retainer cap upon the ring shaped body, the body and the retainer cap being formed whereby when so clamped the inner peripheral edge portion of the resilient disc is compressed while the remainder of the disc is uncompressed.

2,485,093
SPINDLE
Karl A. Gelpke, Edgefield, S. C.
Application August 18, 1945, Serial No. 611,307
3 Claims. (Cl. 57—130)



1. A spindle having in combination a steel running gear, a tube disposed coaxially and end-to-end therewith, and a body of metal relatively lighter than steel cast about the running gear and tube.

2,485,094
MULTIPLE SPEED CONTROL SYSTEM
Daniel T. Gunderson, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1946, Serial No. 699,961
19 Claims. (Cl. 314—61)



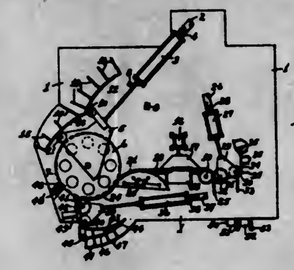
1. In combination with the electrode of an electric arc furnace adapted to have melt therein and power means for moving the electrode toward and from the melt, means for controlling the power means to determine the rate and direction of movement of the electrode including means responsive to the current in and the voltage across the arc of the electrode operating to cause a positioning of the electrode relative to the melt to maintain a desired current-voltage relationship in the arc, a first pair of means providing limits for the rate at which the electrode may be moved under normal variations in the current-voltage relationship of the arc, and a second pair of means providing nonbreachable higher limits of rate of movement of the electrode, the limits established by said first pair of means being breachable upon extraordinary changes of the current-voltage relationship in the arc.

2,485,095
INSECTICIDES
Walter D. Harris, Naugatuck, and Herman D. Tate, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 26, 1947, Serial No. 744,158
13 Claims. (Cl. 167—30)

1. A beta-monohaloethyl ester of a monohalogenated benzenesulfonic acid selected from the group consisting of beta-chloroethyl esters and beta-bromoethyl esters of meta- and para- chlorobenzene and meta- and para- bromobenzene and meta- and para- fluobenzene sulfonic acids.

2,485,096
MACHINE FOR FORMING LAWN MOWER HANDLES AND THE LIKE
Harry J. Heff, Richmond, Ind.
Application April 17, 1946, Serial No. 662,891
1 Claim. (Cl. 153—46)

In a machine for forming lawn mower handle members, a supporting table member, a clamping unit secured to the table and adapted to rigidly secure a tubular member, a stop member adapted to position the tubular member with relation to the clamping unit, a grip forming means movably secured to said table, a guide rigidly secured to said table with the guide being engageable by a portion of the grip forming means, a segmental member secured to the table with a groove being formed in the periphery thereof and engageable by the tubular member, a forming wheel movably



secured to the table and engageable with the tubular member at its contact with the segmental member, a second forming wheel bending the tubular member into shape with the first forming wheel providing a predetermined shape against which the end of the tubular member is formed by contact of the second forming wheel rolling thereagainst.

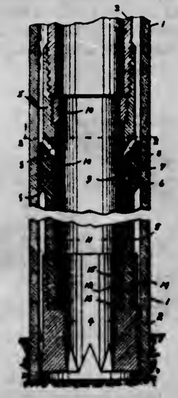
2,485,097
RUBBER TACKIFIED WITH ACYLATED PHENOL-ALDEHYDE RESIN
Louis H. Howland, Watertown, Conn., and Lyndon B. Tewksbury, Jr., Potsdam, N. Y., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 3, 1946, Serial No. 701,057
6 Claims. (Cl. 260—3)

1. A rubber selected from the group consisting of natural rubber, guayule, balata, rubbery butadiene-styrene copolymers, rubbery butadiene-acrylonitrile copolymers, polychloroprene, polyisoprene, and rubbery isobutylene-conjugated diolefine copolymers, admixed with 2 to 20 percent by weight of said rubber of an acylated p-tertiary-butyl phenol-acetaldehyde resin in which a major proportion of the phenolic hydroxy radicals are acylated by acyl radicals derived from an acid of the group consisting of unsubstituted aliphatic, aryl-aliphatic, chloro-aliphatic and aromatic mono-basic carboxylic acids.

2,485,098
STRUCTURE DRILL
Ture Johnson, Duluth, Minn.
Application April 23, 1948, Serial No. 22,730
7 Claims. (Cl. 255—72)

1. In an apparatus for drilling and obtaining samples of the material drilled by means of water being forced downwardly intermediate of the casing and wash rod and back up through a central bore in the drill bit and washed rod, a rod section installed intermediate of said wash rod and bit, said rod section having a hollow body portion and at least a portion thereof adapted to regulate the amount of water which can pass intermediate thereof and said casing, said rod section having openings through the walls thereof above said regulative portion, a tube installed within said body portion to form a channel leading from each of said openings longitudinally

of said body portion to the end thereof, and means adjacent the end of said rod section to



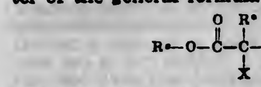
divert said water into the interior of said rod section in an upward direction.

2,485,099
HALOGEN CONTAINING DERIVATIVES OF DICARBOXYLIC ACIDS
Morris S. Kharasch, Chicago, Ill., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 25, 1947, Serial No. 782,220
6 Claims. (Cl. 260—485)

1. The process of producing 1,1,1-trichloro-3-bromo-2,3-dicarbalkoxy propanes and 1,1,1-trichloro-5-bromo-2,3,4,5-tetracarbalkoxy pentanes which comprises maintaining trichlorobromomethane and a dialkyl ester of one of the ethylene alpha, beta-dicarboxylic acids maleic and fumaric in contact with a peroxidic polymerization catalyst until 1,1,1-trichloro-3-bromo-2,3-dicarbalkoxy propane and 1,1,1-trichloro-5-bromo-2,3,4,5-tetracarbalkoxy pentane are formed.

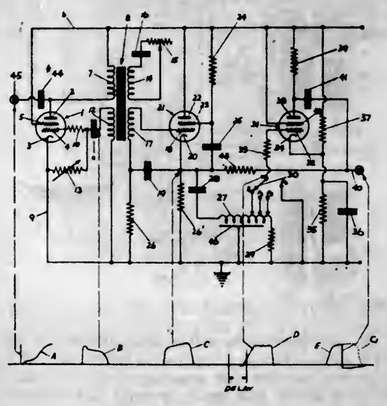
2,485,100
LACTONIZATION OF 2,4-POLYHALOGENOALKANOIC ESTERS
Elbert C. Ladd, Passaic, and Herbert Sargent, Wood-Ridge, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 25, 1948, Serial No. 51,312
5 Claims. (Cl. 260—344)

1. A method of making lactones which comprises subjecting a 2,4-polyhalogenoalkanoic ester of the general formula



to the action of water at a temperature of from 25–150° C. and afterwards isolating the formed lactone; R^x being a lower alkyl group; X being halogen; R^o being a member from the class consisting of halogen, hydrogen, and hydrocarbon; R, R' and R'' each being from the class consisting of hydrogen, hydrocarbon, carboxyl, carboxyalkyl, acyloxyalkyl, and alkoxyalkyl.

2,485,101
PULSE GENERATOR
Hilmer C. Lindahl, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Original application December 30, 1944, Serial No. 570,671. Divided and this application January 19, 1946, Serial No. 642,401
1 Claim. (Cl. 250—36)



A pulse generator including a transformer, a thermionic tube having its anode connected to a source of positive potential through a winding of said transformer and its control grid connected to a second winding of said transformer, a condenser in the connections between said transformer and said control grid, a resistor between said control grid and said condenser whereby a flow of current through said tube and said first winding induces a current in said second winding to establish a blocking potential on said grid after said condenser becomes charged to a predetermined value, a leak circuit connected across said condenser and including a variable resistor for controlling the frequency of the pulse of current through said tube by controlling the time required for the discharge of said condenser, a third winding on said transformer, and a circuit including a variable reactance coupled to said transformer for altering the characteristics of said transformer to control the duration of the pulse of current through said tube.

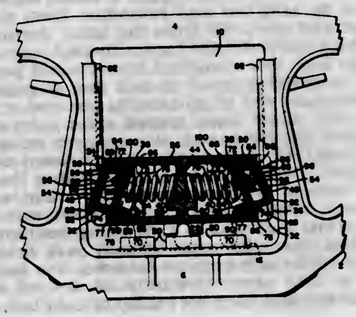
2,485,102
CEMENT COMPOSITION AND INDURATING MIXTURE THEREFOR
Donald R. MacPherson, University Heights, Wesley G. France, Columbus, and Fred M. Ernsberger, Ada, Ohio, assignors to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 29, 1945, Serial No. 631,796
9 Claims. (Cl. 106—90)

1. A dry cement composition comprising an hydraulic cement and 0.01% to 0.6%, based on the weight of the cement, of a waste sulfite liquor fraction consisting of membrane retained lignin residuum solids resulting from dialysis of waste sulfite liquor to remove the major portion of its content of water-soluble crystalloids without concentrating or chemically altering the waste sulfite liquor prior to dialysis.

2,485,103
QUENCHING OIL AND METHOD FOR QUENCHING METALS
Gerard S. Mapes, West Englewood, N. J., and Louis H. Sudholz, Flushing, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application February 22, 1945, Serial No. 579,316
11 Claims. (Cl. 148—13.1)

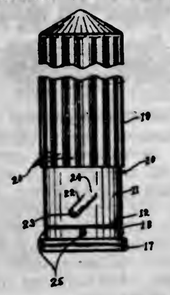
1. An improved method for quenching heated metals which comprises quickly immersing said heated metal in a fluid bath consisting principally of alkyl-substituted polynuclear aromatic hydrocarbons boiling within the range 550° Fahrenheit to 800° Fahrenheit.

2,485,104
SNUBBED TRUCK
Egbert J. Maatman, South Holland, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 9, 1946, Serial No. 708,956
13 Claims. (Cl. 105—197)



2. A railway car truck comprising a supporting member with a friction surface, another member resiliently supported by said supporting member, and a friction device carried by the supported member comprising friction shoe means housed within the supported member and having an outer friction area engaging said surface and having a pair of inner spring seats, means for fulcruming the shoe means for rocking movement relative to the supported member on a rocking axis, spring means compressed against one seat and acting on the shoe means in a line of force at one side of said axis for urging said area against said surface, said shoe means having an abutment at said one side of said axis and extending outwardly thereof and engaging an abutment of said supported member when said area is in frictional engagement with said surface, and said shoe means having an abutment at the other side of said axis and extending inwardly thereof and engaging another abutment of the supported member when said area is in frictional engagement with said surface, said spring means being adapted upon disengagement of said area from said surface to rock said shoe means on said axis, thereby disengaging the shoe abutments from the abutments of the supported member and disposing said friction area diagonally with respect to said surface and engaging said spring means with the other seat.

2,485,105
LOCKING DEVICE FOR SWIVEL TYPE LIPSTICK CONTAINERS HAVING REEDED CAPS
Robert L. McKnight, Watertown, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 29, 1947, Serial No. 751,420
3 Claims. (Cl. 206—56)



2. In a dispensing cylindrical container of the swivel type having means for elevating and retracting a carrier cup therewithin and employing an elongated cover cap having a series of longitudinal grooves provided on the interior surface of said cap with said grooves opening through the open end of said cap, said container comprising a tubular outer casing and an inside shell, said inside shell provided with an enlarged operating head terminating its closed end and an intermediate neck portion exposed at the lower end of said casing, said tubular casing having a biased nub formed outwardly of its wall and located adjacent the lower end thereof, the length of said nub being such that in its biased position it extends across at least two of the grooves of said cap, and one or more nibs projecting from the neck portion and adapted to engage in the interior grooves of said cap, said nub serving to frictionally engage said cap to hold it against axial displacement and said nibs serving to hold it against rotation relative to said container when said cap is in completely assembled position.

2,485,106
STREPTOMYCIN PURIFICATION
George P. Mueller, Philadelphia, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
Application November 8, 1946, Serial No. 708,624
8 Claims. (Cl. 260—210)

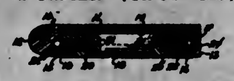
1. The process of purifying a crude soluble streptomycin salt, which comprises agitating comminuted alumina with said crude streptomycin salt dissolved in a water-miscible organic solvent therefor, the alumina being present in an amount substantially less than will remove all streptomycin from the solution, separating alumina and solution, and recovering from the solution streptomycin of increased potency.

2,485,107
PSEUDO LINEAR POLYSULFIDE POLYMER
Joseph C. Patrick, Morrisville, Pa., and Harry R. Ferguson, Trenton, N. J., assignors to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application October 29, 1943, Serial No. 508,252
13 Claims. (Cl. 260—79.1)

1. The process which comprises reacting an alkaline polysulfide with a mixture containing 1,2,3 trichlor propane and allyl chloride and ob-

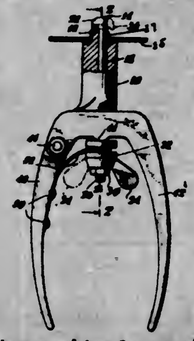
taining a polysulfide polymer the mol ratio of 1,2,3 trichloropropane to allyl chloride being from 1 to 2 to 100 to 1.

2,485,108
GUITAR BAR OR STEEL HAVING A ROTATING CONTACT FACE
Fremont W. Peasley, Sunnyvale, Calif.
Application July 17, 1947, Serial No. 761,669
2 Claims. (Cl. 84—319)



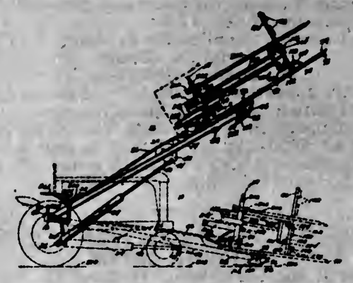
1. A device of the character described, comprising a cylindrical body portion, a concave shaped recess in said body portion extending through the wall thereof, ball engaging seats at the opposite ends of said recess, a smooth string contact face or bar positioned in said recess, cylindrical-shaped recesses at opposite ends of said bar, balls in said ball engaging seats and spring suspension means in the recesses in said bar and adapted to engage said balls for rotatably mounting said bar in said recess.

2,485,109
HOOKED TOOL FOR TURNING OVER ENDS OF RIVETS
George R. Phillips, New Brunswick, N. J., assignor to Foster D. Snell, Inc., a corporation of New York
Application December 13, 1946, Serial No. 715,967
4 Claims. (Cl. 218—19)



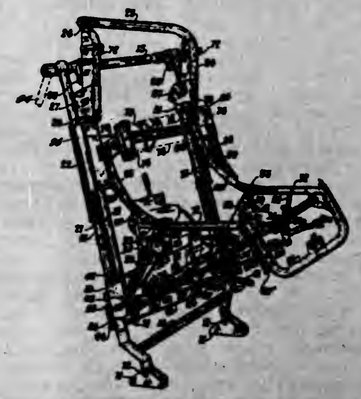
1. A crimping machine for upsetting metal and like eyelets comprising a nose provided with a longitudinally extending slot opening on one side only of the nose, said nose being of a size to pass through the eyelet, a body of the machine continuous with the nose but of larger cross section and provided with a hole in line with the slot, an anvil portion of the body disposed around the base of the nose, a plunger mounted slidably and rotatably within the said hole and slot and extending at one end beyond the nose and at the other beyond the body, a peening head extending to one side of the forward end of the plunger, means for rotating the plunger so that the attached peening head is caused, alternately, to extend over the end of the nose and to one side thereof, and means for forcing the peening head, when the head extends to the said one side, towards and near to the anvil, so as to provide the desired crimping action, the peening head being of length to terminate at a position not beyond the side of the said nose when the head is turned over the nose and the said slot being offset with respect to the center line of the nose.

2,485,110
PUSH-OFF HAY STACKER
Stephen S. Pekerny, Maquoketa, Iowa
Application October 22, 1947, Serial No. 781,396
4 Claims. (Cl. 214—82)



1. A hay stacker for attachment to a motor vehicle having a controllable source of freely flowing material under pressure, comprising a cradle bed extending forwardly of said vehicle; controllable lifting means interconnecting said cradle bed and said vehicle for raising and lowering said bed at desired times; a cradle back supported by said bed and extending from side to side of and upwardly from the latter during use, said back being slidable forwardly and rearwardly of said bed; two elongated criss-crossed pushing arms pivotally secured to said bed at points to the rearward end of said bed at one end of each arm, said points being spaced apart sideways of said bed, the other end of each arm being disposed slideably attached to the rearward side of said back; resilient means for swinging the forward ends of said arms rearwardly; and a jack having a cylinder in communication with said source, one end of said jack being anchored to said bed, the other end of said jack being so connected to said arms as to swing the forward ends of said arms forwardly at desired times for moving said back forwardly of said bed.

2,485,111
ADJUSTABLE SEAT FOR VEHICLES
Jack B. Robins, Colorado Springs, Colo.
Application November 26, 1945, Serial No. 630,265
6 Claims. (Cl. 155—5)



1. A seat for use by a pilot in an aircraft, comprising, a back frame having two spaced parallel upwardly ranging frame members, a seat

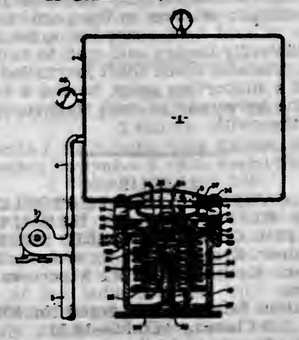
frame having upwardly extending portions mounted on said frame members, a pivot shaft carried by the seat frame near the upper end thereof, a back rest comprising a tubular bearing member mounted for rotation about said pivot shaft, an arm projecting from each end of the bearing member, the outer end of each arm having a transversely extending cylindrical member, and a flexible band encircling the cylindrical members, forming a back rest, the back rest assembly being rotatable, about the pivot shaft, in an upward direction, to a position in which the arms extend upwardly.

2,485,112
SHOWER HEAD ATTACHMENT
Ernst Rose, San Francisco, Calif.
Application August 5, 1946, Serial No. 688,528
2 Claims. (Cl. 299—83)



1. For use with a shower head having a perforated shower producing plate, the combination of a perforated receptacle open at its top and adapted to contain a water soluble scented material, said perforated container at its top being adapted to abut and overlie a portion of the perforated shower plate when used therewith so that a portion only of the shower water will pass from the perforated plate through the perforated receptacle to cause solution of the soluble scented material, and means for detachably securing the perforated receptacle to the shower head in any selected abutting position around the shower head plate.

2,485,113
ISOBARIC CONTROL VALVE
Herman P. Roth, Redondo Beach, and Walter Herman Warstler, Inglewood, Calif., assignors to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application September 4, 1945, Serial No. 614,268
19 Claims. (Cl. 98—1.5)



1. A device for regulating the pressure in an enclosure comprising: means defining an outlet port for the escape of air from said enclosure and a control chamber spaced from said port in which a pressure substantially the same as the pressure in said enclosure is maintained; a valve element mounted on the outlet side of said port for movement in closing direction against the flow of air through the port; differential pressure responsive means, including a movable wall, responsive to pressure differential between substantially enclosure pressure and ambient pressure, said differential pressure responsive means being associated with the valve element and adapted to balance said valve element so as to prevent same from moving in response to said pressure differential; and a device within said chamber adapted to expand in response to decrease in pressure in the chamber, and to transmit, through said expansion, valve closing movement directly to said valve element.

2,485,114
SHOE AND METHOD OF MAKING SAME
Erle Sanchioni, Needham, Mass.
Application May 28, 1947, Serial No. 750,998
4 Claims. (Cl. 36—19.5)

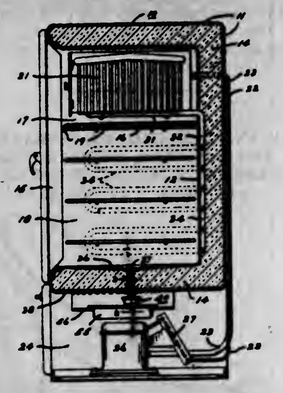


1. A shoe comprising an upper including a vamp and a lining therefor, the lower edges of said vamp being crimped and stitched to the vamp lining by lines of stitches, both said edges and said lines of stitching being spaced widely apart at the bottom of the shoe but the lining having marginal sections extending across said space with their edges stitched directly together in the general region of the median line of the shoe, said sections being spaced lengthwise of the shoe, the seams securing said sections together extending longitudinally of the shoe bottom, a resilient filler covering said seams and the adjacent portions of the lining between the edges of the vamp, an insole extending from the heel end of the shoe to approximately the junction of the shank with the forepart and terminating at that point, the lateral margins of said lining and said crimped edges of the vamp being overlapped upon said insole, an outsole cemented to the margins of the vamp at the bottom of the shoe and extending from the toe of the shoe back to the end of the heel, and a sock lining, separate from said vamp lining, covering the upper surfaces of the shoe bottom inside the shoe, the forepart of the bottom of the shoe being substantially devoid of an insole and consisting mainly of said outsole, filler, marginal lining sections, and said sock lining.

2,485,115
REFRIGERATING APPARATUS HAVING CONDENSATE COLLECTING MEANS
Orson V. Saunders, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 19, 1946, Serial No. 684,966
6 Claims. (Cl. 62—103)

1. The combination of a refrigerating apparatus including a cabinet, a food storage compart-

ment within said cabinet, means for cooling said compartment and at times causing moisture to condense out of the air therein, a drain pipe extending through a wall of said compartment for conveying the condensate water to the exterior thereof, and insect excluding means associated with the lower end of said drain pipe receiving condensate water therefrom and sealing said end of said drain pipe when water is present therein and also sealing said end of said drain pipe when devoid of water to at all times block the passage of insects into said food compartment, said insect



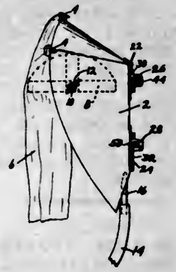
excluding means comprising an open-top condensate collecting receptacle, said lower end of said drain pipe projecting a substantial distance into said receptacle through the open top thereof and adapted to form with water contained therein a seal for said pipe, a closure member normally sealing the open top of said receptacle, the closure member being movable upwardly relative to said receptacle in response to a predetermined accumulation of water therein to permit the water to overflow same, said closure member surrounding said pipe and having its movement guided thereby.

2,485,116
SYNTHESIS OF DL-METHIONINE
Kenneth Savard, Montreal, Quebec, Canada, assignor, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y., a corporation of New York
No Drawing. Application July 10, 1947, Serial No. 760,121. In Canada May 28, 1947
2 Claims. (Cl. 260—534)

1. In the synthesis of methionine the step of hydrolyzing ethyl N-(1-cyano-3-methylthiolpropyl) carbamate by refluxing the said carbamate in an aqueous medium consisting essentially of hydrochloric acid, formic acid and water, and recovering methionine therefrom.

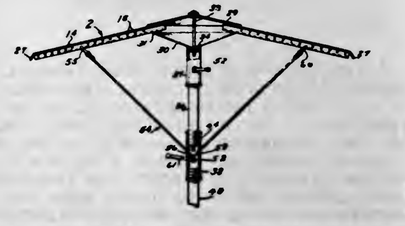
2,485,117
PAINTER'S MASK
Frank E. Settle, Spokane, Wash.
Application June 7, 1947, Serial No. 753,229
2 Claims. (Cl. 2—8)

1. A painters mask including a plane apertured front wall aligned with the eyes, a transparent closure for the aperture comprising a sheet of flexible material the ends of which are rolled upon spaced spools, protective casings for the spools hinged to the front wall, flat plane portions extending from the casings and bearing against the sheet adjacent the perimeter of the aperture, spring clips on the mask tensioning the plane portions to seal the exposed portion of the



sheet against the mask, and crank means for rotating the receiving spool to advance the sheet.

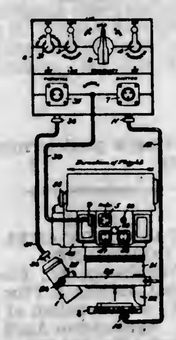
2,485,118
VENTILATED METAL UMBRELLA
Doyle H. Simpson, Albuquerque, N. Mex.
Application March 29, 1948, Serial No. 17,725
3 Claims. (Cl. 108—3)



1. A ventilated metal umbrella having a conical top provided with a plurality of radial sector-shaped ridges with their sides perforated to secure ventilation, a hole at the apex thereof, a cover plate therefor, an inverted conical support positioned on the underside therebelow fixed to said cover plate, a staff having a tubular sleeve threaded onto its top end and receiving the pointed bottom of said supporting cone, a hold down bar having V-shaped arms extending from said staff upward to and attached to diametrically opposite positions on the under side of said top; tilting mechanism for said top including a cable having its ends secured to the underside of said top in diametrically opposite positions in right angular relation to the positions of attachment of said hold down bar arms and extending inwardly toward said staff to and wound around a rotatable crank shaft journalled on said staff, and a supporting point, having a socket to receive the lower end of said staff in rotatable relation therewith.

2,485,119
AERIAL CAMERA WITH PHOTOELECTRIC MEANS RESPONSIVE TO ILLUMINATION BOMB FOR OPERATING GRID SHUTTER
Oscar Steiner, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application June 20, 1945, Serial No. 600,636
2 Claims. (Cl. 95—12.5)

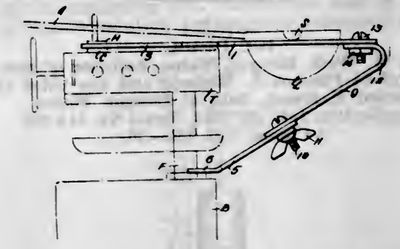
1. Means for photographing a selected ground area from an airplane at a time requiring the artificial illumination of such ground area, including the following, in combination: an airplane-carried camera having as its only functioning shutter a grid shutter positioned at the objective lens, and composed of a plurality of grid plates each having grid bars and intervening spaces, which areas constitute sixty percent of the area within the rim of the grid plates, and thereby providing, when said grid shutter is open, an exposure lens aperture at least three inches in diameter and having, when open, a total open exposure area of substantially four square inches and capable of opening fully in five milliseconds of time; solenoids operatively connected to said grid plates for opening the same in such period of time to said full opening of substantially four square inches; a photoelectric cell mounted in operative relation to the camera so as to respond only to the light of an illumination bomb dropped from the airplane carrying said camera; and an amplifier circuit



and sensitivity control means interposed between and operatively connected with said photoelectric cell and with said grid plate solenoids, rendering said photoelectric cell and amplifier incapable of causing said solenoids to open said grid plates because of steady light on the ground, such as the light from a burning ground area that has been bombed, but permitting and causing the full opening of said grid plates to present an open exposure area of substantially four square inches, through the action of said solenoids, but only in response to an intense light impulse from an illumination bomb acting upon said photoelectric cell, and which light impulse is of a predetermined great peak intensity and is rising at a predetermined rate toward its peak intensity and which functions to cause the full opening of said grid plates only when the light intensity from the illumination bomb has reached a predetermined point in its rise.

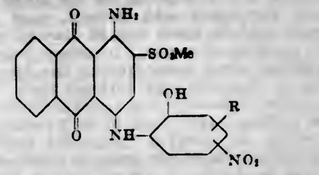
2,485,120
BLOWTORCH ATTACHMENT FOR LADLE TABLES
Martin I. Szulerecki, Sauk Rapids, Minn.
Application November 6, 1946, Serial No. 708,167
1 Claim. (Cl. 126—240)

In an attachment for supporting a ladle in heating position over a portable blow-torch, the combination with an open-center ring shaped table adapted to receive the bowl of the ladle, of a slotted arm rigid with the table, a holder for the handle of the ladle coacting with said slotted arm for attaching said arm to the blow-torch, an angularly disposed bracing arm with a hook-shaped head bolted to said table, said bolt passing through said hook-shaped head, a slotted adjustable leg secured to said angularly disposed bracing arm, and securement means for securing said slotted adjustable leg to said angularly disposed bracing arm, said means including a threaded bolt and a wing nut, said slotted adjustable leg being provided at its other end with an angular foot having a notch for engagement with said torch.



2,485,121
1-AMINO-4-(NITRO-2'-HYDROXY)-ANILINO-ANTHRAQUINONE - 2 - SULFONIC ACIDS, THE SALTS THEREOF AND THEIR CHROME DERIVATIVES
Charlotte G. Verdery, Phillipsburg, and Curt G. Vogt, Union, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 6, 1946, Serial No. 695,284
4 Claims. (Cl. 260—373)

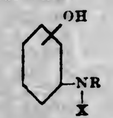
1. Vat dyestuffs selected from the class consisting of those of the following formula:



in which Me is a member selected from the class consisting of hydrogen, ammonium and an alkali metal, and R is selected from the class consisting of hydrogen, sulfo, alkyl, halogen, hydroxy, nitro, amino and acetylamino and the chrome derivatives thereof.

2,485,122
DIAZOTYPE COMPOSITIONS CONTAINING N-ACYLAMINO PHENOL COUPLERS
William H. von Glahn, Loudonville, and Lester N. Stanley, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 8, 1946, Serial No. 668,316
5 Claims. (Cl. 95—6)

1. Light-sensitive diazotype material comprising a base carrying a light-sensitive diazo component and as the azo component a compound of the following formula:



wherein X is a member selected from the class consisting of hydrogen, aliphatic radicals and

araliphatic radicals, and R is an acyl radical selected from the class consisting of benzoyl and benzsulfonyl radicals.

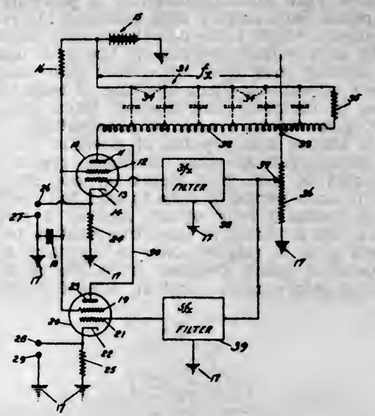
2,485,123
ICE DRILL
John W. West, Bangor, Maine, assignor of one-third to Pinchos E. Medwed and one-third to Edward E. Rosen, both of Bangor, Maine
Application July 15, 1944, Serial No. 545,180
1 Claim. (Cl. 255—70)



An ice drill comprising a hollow tubular member having sharp threads on its outer surface adjacent the lower end thereof, said member terminating at its lower end in diametrically oppositely positioned vertical members having vertical cutting edges extending in the direction of rotation of the drill and vertical inner surfaces which incline inwardly and rearwardly from such vertical cutting edges, each of said vertical members having an integral horizontal portion extending radially inwardly from its vertical cutting edge, said horizontal portions having horizontal cutting edges extending in the direction of rotation of the drill and upper surfaces which incline upwardly and rearwardly from such horizontal cutting edges, said upwardly inclined upper surfaces of said horizontal portions and said inwardly inclined vertical inner surfaces of said vertical members directing ice chips cut by the said cutting edges into the hollow interior of said tubular member.

2,485,124
HARMONIC GENERATOR
Vernon C. Westcott, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 30, 1946, Serial No. 713,251
1 Claim. (Cl. 250—36)

An electrical circuit including: an electrical delay line having a variable fundamental frequency characteristic; a plurality of electron-discharge devices having at least input and output electrodes; said output electrodes being connected to one end of said delay line; a plurality of frequency-selective circuits responsive, respectively, to different harmonics of any selected fundamental frequency of said delay line; means controlling the harmonic content of the output of said delay line and connecting said frequency-selective circuits between the other end of said delay line and the input electrodes of said electron-discharge devices; and means for deriving from said electron-discharge devices a plurality

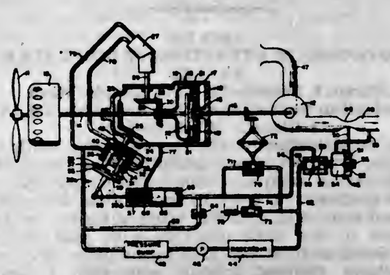


of harmonics having a predetermined frequency ratio therebetween.

2,485,125
ESTERIFICATION OF ARYL VINYL COMPOUNDS
Joseph Marion Wilkinson, Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 25, 1946, Serial No. 664,975
2 Claims. (Cl. 260—497)

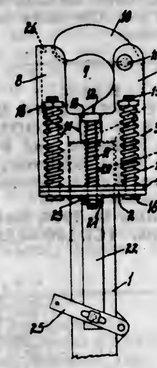
1. The process of producing α-methyl benzyl esters of lower aliphatic acids which comprises heating styrene in liquid phase and at atmospheric pressure to a temperature of at least 50° C. and in admixture with an excess of a lower monocarboxylic aliphatic acid in the presence of from 5% to 50%, based on the amount of said aliphatic acid, of nitric acid and a minor amount of a polymerization inhibitor for said styrene.

2,485,126
HYDRAULICALLY CONTROLLED VARIABLE-SPEED TRANSMISSION
Homer J. Wood, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application January 10, 1947, Serial No. 721,373
14 Claims. (Cl. 230—11)



2. In a system for moving a controlled flow of air into a compartment of an aircraft, the combination of: means establishing a path of flow of air which is to be delivered into said compartment; air pumping means in said path of flow for moving said air therethrough; a driven gear means connected to said pumping means to drive the same; first and second gear means for differentially driving said driven gear means; a power input shaft; drive connections between said shaft and said first and second gear means; means acting when said shaft is not driving said drive connections for relatively adjusting them for slow speed driving of said pumping means; and means responsive to pressure of said air for controlling at least one of said drive connections to accomplish relative rotations of said first and second gear means which will drive said driven gear means at a rate to maintain the flow of air through said path within a desired range.

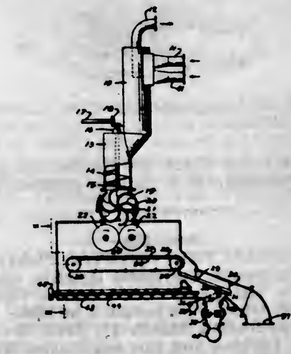
2,485,127
RELEASABLE IMPLEMENT HOOK
Hazelet N. Wright, Inglewood, Calif.
Application February 11, 1946, Serial No. 646,878
3 Claims. (Cl. 280—33.16)



1. In a releasable implement hook, a drawbar, a hook frame mounted on said drawbar, ears on said hook frame, said ears having a recess between them, a hook pivotally mounted between said ears, said hook frame being movable longitudinally of said drawbar, a stationary flange on the drawbar, spring means pressing the hook frame against said flange, said hook having an elongated notch formed therein, a latch bar engageable with the notch in the hook, a post fixedly mounted on the latch bar, said post extending through the flange, a nut threaded on the post and bearing against the flange to adjust said post, and the bar, relative to the hook, a spring encircling the post and bearing against the latch bar to press said latch bar into the notch, and engaging the hook, a yoke pivotally mounted on the drawbar, a link extending from the yoke and connected to said post, said yoke being manually operable to pull the post and the latch bar out of engagement with the hook.

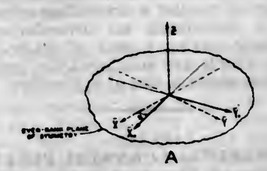
2,485,128
PELLETING MAGNESIUM DUST
Earl W. Adams, Los Altos, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation, a corporation of Delaware
Application January 2, 1945, Serial No. 571,975
3 Claims. (Cl. 29—160.5)

1. In pelleting magnesium dust of the type recovered in the carbothermic process for the reduction of magnesium oxide, said magnesium dust comprising a mixture of magnesium, magnesium oxide and carbon with concomitant impurities characterized by fine particle size, low bulk density and occluded gas, the improvement which comprises, removing substantial quantities of occluded gas by subjecting said magnesium dust to centrifugal separation, feeding said separated mag-



nesium dust to a pelleting station while compacting said dust to further expel gas therefrom and thereby induce agglomeration thereof, and progressively subjecting said dust to dies operating under pressure within said pelleting station to thereby further remove occluded gas and recover a solid compact pellet of high bulk density.

2,485,129
PIEZOELECTRIC CRYSTAL PLATE
Hans G. Baerwald, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 19, 1945, Serial No. 583,477
3 Claims. (Cl. 171—327)

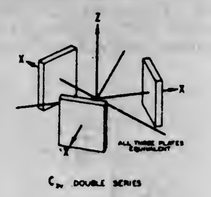


1. In a piezoelectric thickness-controlled shear crystal plate: a plate cut from crystalline piezoelectric material whose sole element of axial crystallographic symmetry is a rotation axis of order higher than three; said plate having a pair of plane parallel major faces which substantially contain said axis, the dielectric, piezoelectric, and elastic properties of said plate being independent of the azimuth about said axis.

2,485,130
PIEZOELECTRIC CRYSTAL PLATE
Hans G. Baerwald, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original application March 19, 1945, Serial No. 583,477. Divided and this application April 10, 1948, Serial No. 20,173
4 Claims. (Cl. 171—327)

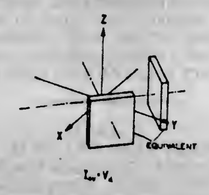
1. In a piezoelectric thickness-controlled shear crystal plate: a plate cut from crystalline piezoelectric material which has a crystallographic plane of symmetry and all of whose crystallo-

graphic symmetry elements are of orders less than four, said plate having a pair of plane par-



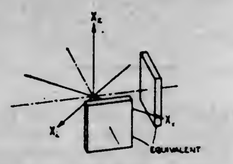
allel major faces which are substantially parallel to a crystallographic plane of symmetry.

2,485,131
PIEZOELECTRIC CRYSTAL PLATE
Hans G. Baerwald, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original application March 19, 1945, Serial No. 583,477. Divided and this application April 10, 1948, Serial No. 20,174
3 Claims. (Cl. 171—327)



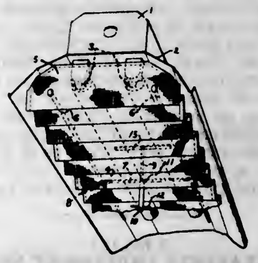
1. In a piezoelectric thickness-controlled shear crystal plate: a plate cut from crystalline piezoelectric material having a crystallographic plane of symmetry containing an inversion-rotation axis, said plate having a pair of plane parallel major faces which are substantially parallel to said crystallographic plane of symmetry.

2,485,132
PIEZOELECTRIC CRYSTAL PLATE
Hans G. Baerwald, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original application March 19, 1945, Serial No. 583,477. Divided and this application April 10, 1948, Serial No. 20,175
3 Claims. (Cl. 171—327)



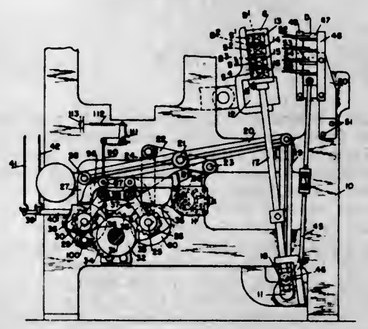
1. In a piezoelectric thickness-controlled shear crystal plate: a plate cut from crystalline piezoelectric material of cubic symmetry, said plate having a pair of plane parallel major faces which are substantially parallel to a crystallographic axis and which substantially bisect the angle between the other two crystallographic axes.

2,485,133
FLUORESCENT LIGHT SCREEN
August Adolph Behnke, Chicago, Ill.
Application February 4, 1946, Serial No. 645,436
8 Claims. (Cl. 240—51.11)



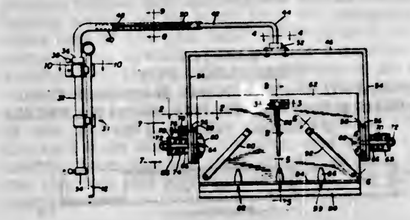
1. The combination with a fluorescent light fixture and the fluorescent light tubes thereof, of a light disseminating screen comprising a corrugated wire mesh body section, and means for removably supporting the body section on the fluorescent light tubes.

2,485,134
ELECTRIC WEFT DETECTING MECHANISM FOR DROP BOX LOOMS
Carl P. Bergstrom, Millbury, and Victor F. Sepavich, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 14, 1948, Serial No. 65,276
8 Claims. (Cl. 139—233)



1. In an electric weft detecting system for a loom having means including two actuators movable each to either of two positions to effect the shifting of any one of four shuttle boxes to active picking position and wherein a gang of electric weft detectors, one for each shuttle box, moves in register with the shuttle boxes, a positioner moving with each actuator, mechanism operatively connected to the positioners and including a member moved by the latter in any one of four positions, depending upon the positions of the actuators and positioners, a branch electric circuit for each shuttle box and a corresponding electric weft detector, a loom controlling electric circuit, and a branch circuit selector operatively connected to said member of said mechanism and effective due to movement thereof by said actuators and positioners to electrically connect the loom controlling circuit to the branch electric circuit corresponding to the shuttle box next to be in active position.

2,485,135
BED TABLE AND BOOKHOLDER
Albert G. Blumenstock, South Orange, N. J.
Application February 12, 1947, Serial No. 728,137
2 Claims. (Cl. 45—61)



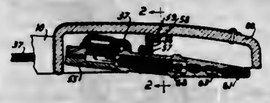
1. In a device of the character described, means for holding an opened book, including a table, frictional bearing means for mounting said table in an inclined position on a supporting arm, a bracket rigidly secured to one edge portion of said table, a spring biased arm pivotally mounted on said bracket and shiftable in a plane normal to said table to grasp said opened book superficially along a line at the center thereof, strap members pivotally secured to the table on either side of said arm and shiftable in planes normal to and parallel to said table to superficially contact each side of said opened book, and clips secured to an opposite edge portion of said table to grasp the lower edges of the leaves or cover of said book, said strap members having terminally disposed spring clips adapted for grasping the edges of a larger book or paper when said straps are swung outwardly beyond the lateral edges of said table.

2,485,136
BONDING RUBBER TO CELLULOSIC FIBERS
Edward A. Bried, Newport, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1947, Serial No. 732,943
12 Claims. (Cl. 117—91)

1. The process of bonding a rubber to a fibrous cellulosic textile material which comprises contacting the cellulosic material with a material of the group consisting of an aqueous emulsion of a primary rosin amine, an aqueous solution of a primary rosin amine acetate, an aqueous solution of a primary rosin amine hydrochloride and an aqueous solution of a primary rosin amine hydrobromide, and applying to the treated cellulosic material a rubber latex in which the rubber is selected from the group consisting of natural rubber and synthetic rubberlike diolefin polymers.

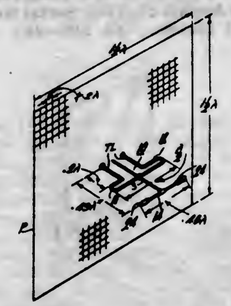
2,485,137
CONNECTION MEANS FOR PHONOGRAPH PICKUPS
Walter J. Brown and Alfred L. W. Williams, Cleveland Heights, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application October 30, 1944, Serial No. 561,137
7 Claims. (Cl. 179—100.41)

1. A pickup device comprising a supporting arm, a complete transducer unit, and a single supporting means joining said transducer unit to the arm, said supporting means comprised of flexible rubber or the like and having a relatively high section modulus in a first direction and a relatively low section modulus in a second direction, means connecting one end of the flexible supporting means to said support, means connecting the other end of the flexible supporting means to said transducer unit in such a manner that the direction of said high section modulus



is substantially perpendicular to and the direction of said low section modulus is substantially parallel to the longitudinal axis of said transducer unit whereby said supporting means resists torsional vibrations applied to the transducer unit and permits rotation of one end of the transducer unit with respect to said supporting arm.

2,485,138
HIGH-GAIN ANTENNA SYSTEM
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 3, 1946, Serial No. 701,011
2 Claims. (Cl. 250—33.65)

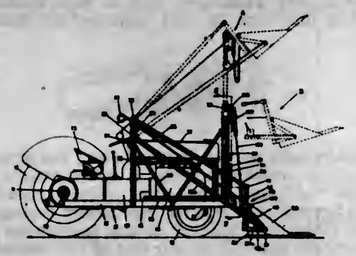


1. In an antenna system, a conductive screen, a first radiator member in front of said screen a distance of substantially .2 wavelength and a second radiator member parallel to said first radiator and at a distance from said screen of substantially a half wavelength, said first radiator being a folded dipole, and transmission line means coupling said first radiator to a source of high frequency energy, and a straight metallic supporting member extending normally from said screen and attached to the center of said first radiator member for support thereof.

2,485,139
SHOVEL LOADING MACHINE
Gilbert E. Coats, Fort Dodge, Iowa
Application April 23, 1947, Serial No. 743,280
3 Claims. (Cl. 214—139)

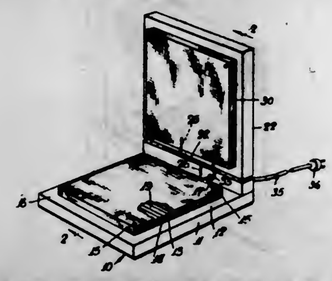
1. A loading machine including a portable frame, an upright frame on said portable frame, a pair of lift arms arranged at opposite sides of said portable frame having their rear ends pivoted on said upright frame, a pair of stabilizing arms arranged at opposite sides of said portable frame at positions above said lift arms and pivoted at their rear ends on said upright frame, a load carrying unit, pivot means for supporting said load carrying unit between the front ends of said lift arms, a pivoted frame including an upright portion located rearwardly of said load carrying unit and pivoted at its upper end with

the front ends of said stabilizing arms, forward extensions on said upright portion arranged to opposite sides of said load carrying unit and pivoted at their front ends on said pivot means



for the load carrying unit, a latch mechanism for said load carrying unit mounted on said upright portion, and means for raising and lowering said lift arms.

2,485,140
TOWEL STEAMING APPLIANCE
Modesto L. Cordero, New York, N. Y., assignor to Modesto Cordero, New York, N. Y.
Application August 22, 1946, Serial No 692,257
11 Claims. (Cl. 219—40)

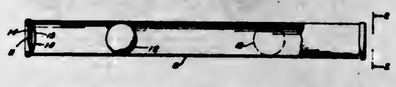


1. A towel or like steaming device comprising, in combination, a pair of terminal plates, conductors for said plates connecting the same in an electrical circuit, said plates having their rear faces supported upon insulators having mounting means for moving said plates toward and away from each other, to bring the front faces of said plates into contact, at least one of said plates having attached thereto and being covered on the front face by a water permeable insulating sheeting whereby moisture from the towel to be heated penetrates through said pores of said sheeting to cause heat to be generated in said towel between said plates.

2,485,141
AQUEOUS EMULSION POLYMERIZATION OF VINYL ACETATE
William R. Cornthwaite, Wilmington, Del., and Harold W. Bryant, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1946, Serial No. 641,657
9 Claims. (Cl. 260—89.1)

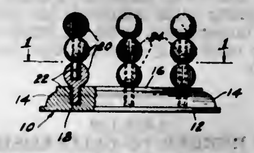
1. In a process for the aqueous emulsion polymerization of vinyl acetate, the steps comprising adding to an aqueous polymerizable emulsion, in which vinyl acetate comprises at least 95% of the polymerizable monomer, between 0.01% and 10%, based on the weight of the vinyl acetate, of a ketone consisting of hydrocarbon and carbonyl groups taken from the group consisting of aliphatic ketones and aliphatic aromatic ketones containing not more than 10 carbon atoms, and polymerizing said monomer at a temperature between 50° C. and 100° C.

2,485,142
WHISTLING TOY
Theodore R. Duncan, North Hollywood, Calif.
Application February 18, 1946, Serial No. 648,232
2 Claims. (Cl. 46—179)



1. In a whistling toy having a tubular body and walls fixed to and closing the ends of said body, said end walls being provided with apertures adapted to produce a whistling sound when air is forced therethrough, an imperforate spherical member fitted to roll axially within said tube so as to force air through the respective end apertures under pressure suitable to effect a whistling sound.

2,485,143
GAME PIECE
Theodore R. Duncan, North Hollywood, Calif.
Application August 6, 1946, Serial No. 688,009
1 Claim. (Cl. 273—130)



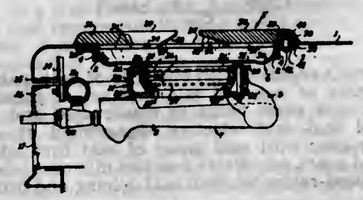
In a tick-tack-toe game, a pawn comprising a spherical body provided with a socket of circular cross section directed radially of the body to a depth exceeding the radius thereof, and a stem of circular cross section projecting from said body in alignment with the axis of the socket, said stem being of such diameter as to frictionally fit into the socket of another similar pawn and into sockets of a board so that a multiplicity of the pawns can be detachably assembled in closely engaged alignment.

2,485,144
FISHING ROD HANDLE
Abram C. Espenship, Collegeville, Pa., assignor to Harry L. Gabel and Abram C. Espenship, copartners, trading as The Pen Rod Company, Gilbertsville, Pa.
Application August 4, 1947, Serial No. 766,071
1 Claim. (Cl. 43—22)



A fishing rod handle having a hand grip at one end, a rod supporting head at the other end, a depressed bar connected to the hand grip and the rod supporting head, there being a reel space formed between the hand grip and the rod supporting head above the bar, a seat on the upper face of the bar for the base of a reel, an upwardly extending connecting member between the bar and the hand grip having a recess for the reception of one end of a reel base, said rod supporting head having an opening therethrough, a spring pressed sliding bolt mounted in the opening and having a cam on its lower face for engaging the other end of the reel base for locking it to the support, the opening for the bolt extending inwardly from the reel space and being of an area to permit drawing the end of the bolt into the opening from the reel receiving space, the wall of the handle having a slot extending therethrough from the bolt opening, and a screw extending from the bolt through said slot for shifting the bolt and locking the bolt in any shifted position.

2,485,145
COMBINATION BURNER AND GRATE
Vincent J. Evans, Lakewood, Ohio, assignor to Grand Industries, Inc., a corporation of Ohio
Application April 9, 1945, Serial No. 587,341
5 Claims. (Cl. 126—214)



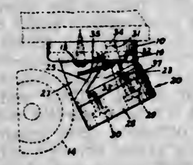
1. In and for a cooking range having a top panel with a burner opening, a grate unit adapted to be supported by the top panel and to project inwardly of the burner opening, said grate unit comprising an annular plate for generally closing outer portions of the panel opening, and two sets of radial grate bars on the plate, one set terminating inwardly from the outer limits of the plate opening and the other set terminating at points outwardly beyond said limits of the plate opening, and said plate having grooves aligned with the grate bars on the side opposite from the grate bars.

3. In a cooking range, a top panel, a hollow annular gas burner disposed below said panel, a grate supported on said top panel and including a substantially imperforate flat annular plate portion in partially overhanging spaced relation to the hollow burner, said plate having a central opening, the ports in the burner being so arranged that flame is directed therefrom centrally of the burner and the opening in the plate, said burner having downwardly inwardly sloping reflecting surfaces tending to concentrate the heat of the gas flame centrally of the grate.

2,485,146
MANUFACTURE OF CHLORO CRESOXY ACETIC ACID
Reginald Thomas Foster, Birkenhead, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 25, 1945, Serial No. 607,086. In Great Britain April 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1963
1 Claim. (Cl. 260—521)

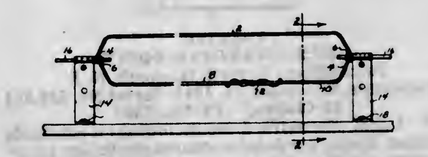
In a process for the production of 2-methyl-4-chlorophenoxyacetic acid, the steps comprising heating monochloroacetic acid under reflux for about four to six hours with a crude chlorinated cresol obtained by passing chlorine into molten ortho-cresol until the gain in weight of the ortho-cresol corresponds to the formation of a compound containing about 1.0 to 1.2 atoms of chlorine per molecule of ortho-cresol, said heating being carried out in the presence of caustic soda in such amount as to make the reaction mixture alkaline, and said monochloroacetic acid being used in about equimolecular amount based on the ortho-cresol used in preparing the crude chlorinated cresol, then acidifying the reaction mixture with a mineral acid, and separating the resulting crystalline product.

2,485,147
STOP TOE FOR ROLLER SKATES
George V. Fowlkes, Tulsa, Okla.
Application April 30, 1947, Serial No. 744,965
6 Claims. (Cl. 280—11.20)



6. A toe stop for roller skates comprising a plate to be secured to the under surface of a skate at the toe thereof, means forming a first dovetail portion on the lower surface of said plate, a member having a complemental dovetail portion fitting said first dovetail portion, a surface on said member inclined at an acute angle to said complemental dovetail portion to converge toward the toe of said skate, bolt means on said member engageable with said plate for releasably retaining said complemental dovetail portion against endwise movement with respect to said first dovetail portion, and a block of braking material fixed to said inclined surface.

2,485,148
ANTIROOSTING DEVICE
Albert L. Fralin, Miami, Fla.
Application August 16, 1946, Serial No. 691,053
1 Claim. (Cl. 20—1)



An anti-roosting device comprising a rectangular rotatable wire frame formed from a single strand of wire, said frame having a straight side, angled end portions and the ends of the wire being twisted together to form a second straight side opposite to and parallel with the first side journal loops formed at the center of the angled end portions, journal brackets adapted for mounting on a building, and rods in the brackets extending through the journal loops.

2,485,149
BRIGHT NICKEL PLATING COMPOSITIONS AND PROCESS
Meyer L. Freed, Ansonia, and Oscar A. Stocker, Derby, Conn., assignors to The Seymour Manufacturing Company, Seymour, Conn., a corporation of Connecticut
No Drawing. Application April 17, 1944, Serial No. 531,480
25 Claims. (Cl. 204—49)

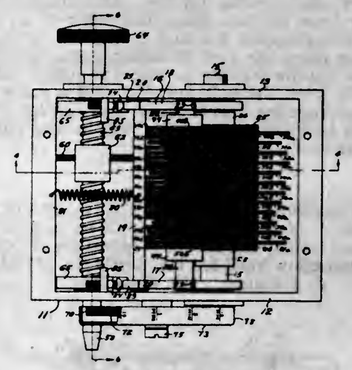
1. A nickel electroplating bath addition agent composition comprising a nickel electrodeposit brightening agent consisting essentially of (I) a sulfonated aryl aldehyde and (II) a sulfuric acid reaction product of an alkyl-substituted-mercapto-dihydropyrimidine, said reaction product resulting from reacting an alkyl-substituted 2-mercapto dihydropyrimidine with concentrated sulfuric acid with accompanying evolution of sulfur dioxide from the reaction mixture which is heated until such evolution has substantially ceased, and having the aldehyde (I) and the reaction product (II) in the ratio of from about 0.5 to about 3.0 parts of the aldehyde (I) to from about 0.005 to about 0.02 part of the product (II), said addition agent composition being capable, upon addition to an aqueous, acid nickel plating bath comprising in solution in its aqueous medium a nickel ion-yielding material consisting essentially of a mixture of nickel sulfate and nickel chloride, of causing a bright, ductile cathodic deposit of nickel to be obtained upon passing an electric current from the anode through said bath to the cathode when the sulfonated aldehyde and the sulfuric acid reaction product of the substituted-mercapto-pyrimidine are present in the bath respectively in combined, cooperative quantities sufficient to permit the bright, ductile deposit of nickel to be obtained under the operating conditions.

2,485,150
MINERAL OIL COMPOSITIONS
Frank J. Glavis, Elkins Park, and Harry T. Neher, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 21, 1947, Serial No. 723,462
3 Claims. (Cl. 252—33.4)

1. A composition of matter consisting essentially of 0.5% to 7.5% of an oil-soluble petroluem sulfonate and 0.05% to 3% of an alkylphenoxy-ethoxyethoxyethanol having an alkyl group of four to twelve carbon atoms dissolved in a mineral oil having a viscosity of one hundred to fifteen hundred seconds Sayboit at 100° F.

2,485,151
GEAR-CHANGING DRIVE
John Ellison Gorrell, Haworth, N. J.
Application November 24, 1945, Serial No. 630,594
12 Claims. (Cl. 74—348)

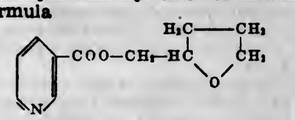
1. A gear-changing drive including: a rotatable driving shaft; a rotatable driven shaft; an intermediate shaft; a driving gear driven by said driving shaft; a first set of independently rotatable pairs of gears on said intermediate shaft, the gears of each pair of a number of said pairs of gears being fixed non-rotatably relatively to one another; a second set of independently rotatable pairs of gears, the gears of each pair being fixed non-rotatably relatively to one another; said driving gear being in driving relation with one gear of a pair of said first set of pairs of gears; one gear of each pair of a number of pairs of said first set of pairs of gears respectively being in driving relation with a gear of each pair of a number of pairs of said second set of pairs of gears, and the other gear of each pair of a number of pairs of said first set of pairs of gears respectively being in driven relation with a gear of each pair of a number of pairs of said second set of pairs of gears; a shifter-gear having driving relation with said driven shaft, and adapted to be



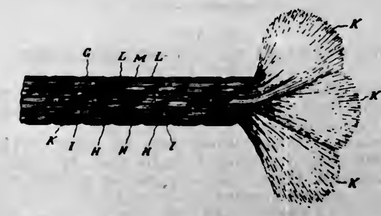
selectively engaged with one gear of each pair of a number of pairs of said first set of pairs of gears; said gears being so constructed and arranged that said selective engagement of said shifter-gear with said gears of said first set of pairs of gears, selectively provides different selectable speed-ratios between said driving and driven shafts.

2,485,152
ESTER OF NICOTINIC ACID
Max Hartmann, Riehen, and Emil Merz, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application March 2, 1948, Serial No. 12,684. In Switzerland March 14, 1947
1 Claim. (Cl. 260—290.5)

The tetrahydrofurfuryl ester of nicotinic acid of the formula

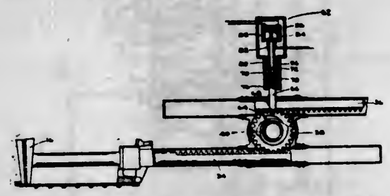


2,485,153
TEXTILE CORD AND PROCESS OF MAKING IT
Leslie G. Henning, Cleveland, and Frank L. Sessions, Lakewood, Ohio; said Henning assignor to said Sessions
Application August 7, 1944, Serial No. 548,378
14 Claims. (Cl. 57—139)



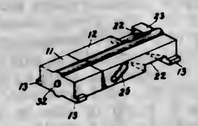
1. Textile staple fiber cord composed of a plurality of yarns plied into threads and threads plied into cord in which the staple fibers composing the yarns as they lie in the finished cord are substantially parallel to the axes of the yarns in which they are embodied.

2,485,154
ELECTRICAL INDICATOR FOR FREE PISTON UNITS
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 30, 1945, Serial No. 575,336
10 Claims. (Cl. 230—56)



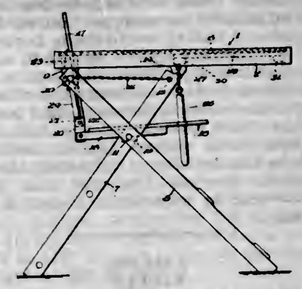
1. In a free-piston unit, a piston assembly, engine and compressor cylinders in which said assembly reciprocates, and means responsive to movement of the piston assembly for indicating electrically the position of the piston assembly in the cylinders, said means including a reversible motor adapted to actuate a control for the unit, an electrical circuit including said motor, a coil movable in response to the piston movement and adapted by its movement to procure changes in the circuit for procuring operation of said motor and means responsive to operation of said motor for procuring changes in the circuit to limit the operation of the motor proportional to the change in the position of the piston assembly.

2,485,155
BREECHBLOCK DEVICE FOR FIREARMS
Josef Koucky, Prague, Czechoslovakia, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia, a corporation of Czechoslovakia
Application July 24, 1947, Serial No. 763,363
In Germany December 11, 1943
2 Claims. (Cl. 42—16)



1. In a breechblock device for firearms, a casing, a breechblock slidably mounted in said casing, said breechblock comprising a slide member guided in said casing and a bolt member adjoining said slide member in front thereof, a pivot upon said bolt member extending axially into said slide member and a corresponding boring in the latter to rotatably support said pivot, a circular groove arranged at the base of said boring, at least one tooth upon said pivot interlocking with said circular groove, an axially extending groove in said boring for each of said teeth to permit the same to pass into said circular groove, locking lugs arranged on said bolt member and recesses in said casing adapted to receive said lugs, and means for turning said bolt member from an unlocked position to a locked position in which said lugs are received in said recesses.

2,485,156
BABY FURNITURE
John George Krenske, La Porte, Ind., assignor to Joseph L. Beesley, La Porte, Ind.
Application September 5, 1947, Serial No. 772,394
2 Claims. (Cl. 155—123)



1. An article of baby furniture comprising a table top, foldable legs connected to said table top adapted to be unfolded to support said table top and to be folded to collapse said table top, a pivot rod connecting said legs together, collapsible seating means pivotally mounted on said pivot rod and adapted to be moved to open and closed positions, an opening in said table top above said seating means, whereby a child may be placed within said opening and occupy said seating means, locking means for locking said seating means in open position, and removable stop means in said seating means to prevent a child thereon from sliding forwardly out of the seat said stop means being removable only when said locking means is unlocked.

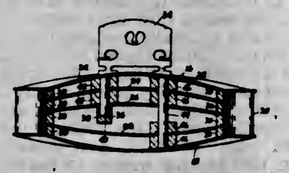
2,485,157
ADJUSTABLE WAISTBAND IN GARMENTS
Arnold Livingston, New York, N. Y.
Application April 12, 1947, Serial No. 741,067
1 Claim. (Cl. 2—237)



A garment comprising a waist portion, a pocket, a side seam, and front and back portions at opposite sides of said seam, said side seam terminating below the waist portion to provide a split so that the waist portion can be opened up to facilitate the donning and doffing of the garment, said waist portion including a waistband continuous and uninterrupted except at said split, a back pocket portion extending from the back portion, a front pocket portion positioned beneath and stitched to the front portion adjacent said split which forms the pocket opening, said pocket portions being stitched together by a vertical seam

terminating below the waistband, and a horizontal seam extending from the lower end of the vertical seam to the side seam below the upper end of said side seam, the front pocket portion being stitched to the waistband portion adjacent the front portion of the split, the rear pocket portion extension being stitched to the waistband portion adjacent the rear portion of the split, said waistband having overlapping portions, button and button hole means to attach said overlapping waistband portions together, a strap in the waistband portion adjacent the rear portion of the split and a slit in the waistband portion adjacent the front portion of the split, through which said strap passes and a second strap stitched to the waistband adjacent the side of the garment opposite the split and having a buckle thereon to adjustably fasten it to said first strap.

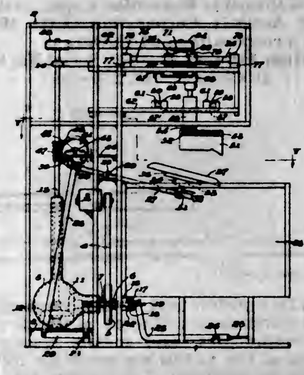
2,485,158
VIOLIN
Louie H. Lower, Hayden Lake, Idaho
Application June 12, 1946, Serial No. 676,313
1 Claim. (Cl. 84—275)



In a stringed musical instrument having a resonance body provided with a front and a back and a bridge adapted to be positioned on the front the improvement comprising a plurality of upper partitions following the contour of the front and a lower partition following the contour of the back and said partitions extending longitudinally of the body, means positioned at the opposite ends of and within the body to receive the partitions and space the partitions in relative spaced relation to each other and to the front and back of said body, a contoured elongated "G" bar secured to the bottom of the lower-most upper partition, a dowel like brace secured at its lower end to said bar with its upper end in engagement with the inner surface of the front below one end of the bridge, spacing members mounted on said dowel like brace to separate the partitions from each other and from the front of the body, a second dowel like brace extending from the front to the back and passing through the partitions is positioned below the other end of the bridge spacing members on the upper end of the second dowel like brace to separate the partitions from each other and from the front of the body and a pair of spacing members on the lower end of said dowel like brace below and above said lower partitions and in contact therewith, and said dowel like braces being fixed at their lower ends to the back but free from the front at their upper ends to permit said front to vibrate in relation to said partitions.

2,485,159
MACHINE FOR JIGGERING OVAL DINNERWARE
Ralph F. Malarkey, Meadowlands, Pa.
Application September 25, 1948, Serial No. 51,275
14 Claims. (Cl. 25—25)

1. A machine for jiggering oval dinnerware, comprising a support for an oval mold, a lower vertical shaft about the central portion of said support, a bearing for the shaft, means supporting the bearing for reciprocation in a substantially straight line lengthwise of the mold, a jigger tool mounted on the lower end of the shaft, an upper vertical shaft having its lower end disposed adjacent one side of the upper end of the lower shaft, a connecting member rigidly connectly said adjacent ends of the two shafts, a



bearing for the upper shaft, means supporting the last-mentioned bearing for reciprocation in a substantially straight line at right angles to said first-mentioned line, and means for rotating one of said shafts so that as the lower shaft rotates it will simultaneously be reciprocated by said connecting member along said first-mentioned straight line to carry said tool in an elliptical path.

2,485,160
PROCESS FOR THE EPOXIDATION OF ESTERS OF OLEIC AND LINOLEIC ACIDS
Warren D. Niederhauser and Joseph E. Kerely, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 22, 1948, Serial No. 56,262
8 Claims. (Cl. 260—348)

1. A process for the production of epoxidized esters of an unsubstituted alcohol which is free of non-benzenoid unsaturation and at least one of the acids from the group consisting of oleic and linoleic acids, which comprises reacting and epoxidizing said ester with a mixture of hydrogen peroxide and formic acid at a temperature of 10° C. to 100° C., said hydrogen peroxide being present in a ratio of one to two moles for each double bond in each mole of said esterified acid and said formic acid being present in the ratio of 0.25 to 1.0 mole for each double bond in each mole of said esterified acid.

2,485,161
LIPSTICK COVER WITH A SPRINGING MIRROR SET THEREIN
Joseph Pampinella, Bloomfield, and Harry Silverman, Newark, N. J.
Application August 21, 1948, Serial No. 45,454
2 Claims. (Cl. 132—79)

1. A lipstick cover assembly having a retractable and projectable mirror assembly therein comprising a lipstick cover having an open and a closed end, a spring having one end mounted inside the cover adjacent the closed end and a mirror mounted on the opposite end of the spring

so that the spring in an unstressed condition holds said mirror adjacent the open end of the

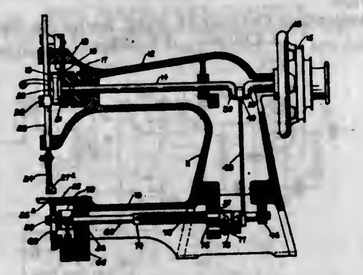


cover and in the stressed condition, as by compression, permits the mirror to be retracted within the cover.

2,485,162
7-CHLORO-4-(1-ETHYL-4-PIPERIDYL-AMINO)-QUINOLINE
Billy Gene Parham, Urbana, Ill., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application April 8, 1946, Serial No. 660,410
1 Claim. (Cl. 260—288)

7-chloro-4-(1-ethyl-4-piperidylamino) quinoline.

2,485,163
TUFTING MACHINE
Samuel P. Parker, La Grange, Ga., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia
Application June 22, 1946, Serial No. 678,603
18 Claims. (Cl. 112—79)

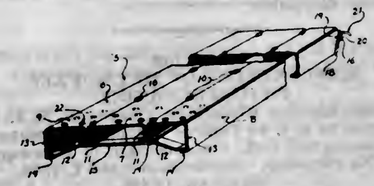


7. In a tufting machine having a throat plate against which the material to be tufted rests and means, including a reciprocating needle passing through an opening in the plate, for carrying loops of yarn through the material, the combination of a looper mounted for movement back and forth along a curved path which lies substantially tangent at one point to the path of travel of the needle, and means for moving the looper with a period of rest at said point.

2,485,164
PROCESS FOR TREATING GYPSUM OBTAINED AS A BY-PRODUCT OF PHOSPHORIC ACID MANUFACTURE
George A. Peirce, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 22, 1945, Serial No. 595,251
4 Claims. (Cl. 23—122)

1. A process for treating gypsum obtained as a by-product of phosphoric acid manufacture by the sulfuric acid process to remove objectionable impurities and increase oil absorptivity of the by-product, comprising the steps of subjecting the by-product gypsum to attrition in the presence of 3 to 6 parts by weight of 5 to 25 per cent aqueous sulfuric acid for each part by weight of by-product gypsum, separating the aqueous acid solution, drying the remaining solid at a temperature of 90 to 110° C., and calcining the solid at a temperature of 600 to 900° C.

2,485,165
METAL SCAFFOLD PLANK
Adam F. Pollman, Milwaukee, Wis., assignor of one-half to Ira Milton Jones, River Hills, Wis.
Application March 27, 1946, Serial No. 657,525
3 Claims. (Cl. 304—38)



1. Light weight metal planking of the character described comprising: a plurality of inverted sheet metal channels; means for connecting said channels in side-by-side relation with their web portions substantially co-planar, said means including a cross member closing one end of said channels, the other end of said channels being open; a second plurality of inverted sheet metal channels slidably received in the first designated channels and projecting from the open ends thereof; a cross member extending across and closing the exposed end of said second plurality of channels and secured thereto to connect the same; hook means on said cross members; and means for holding said second plurality of channels slidably engaged with the first plurality of channels.

2,485,166
DEVICE FOR APPLYING ELASTIC GASKETS TO DISK MEMBERS
Andrew Repas, Allentown, N. J., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application April 12, 1947, Serial No. 741,135
1 Claim. (Cl. 29—235)



In apparatus of the class described, a table member, a split expansible ring comprising a plurality of segments radially shiftable relative to a center point upon said table, said expansible

ring being in the form of a frustum of a cone with an outwardly turned bead on the upper edge thereof for facilitating the spreading of a gasket lip, power means for radially shifting said segments outwardly whereby an elastic gasket placed thereon is enlarged in diameter for the insertion of a disc member, and limit stop means rendered operative in response to said outward radial movement for limiting the inward return radial movement of said segments by a predetermined amount.

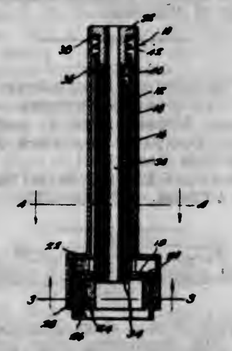
2,485,167
MANUFACTURE OF METAL-FREE PHTHALOCYANINE
William Llewlyn Rintelman, Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1948, Serial No. 18,491
3 Claims. (Cl. 260—314.5)

1. A process for the manufacture of a metal-free phthalocyanine, which comprises heating an orthoarylene dicyanide of the benzene series in an inert organic solvent and in the presence of an organic nitrogenous base selected from the group consisting of cyclohexylamine, piperidine, and alpha-pipecoline, said base being employed in quantity not exceeding 20 parts by weight of the base per 100 parts by weight of said orthoarylene dicyanide.

2,485,168
MANUFACTURE OF METAL-FREE PHTHALOCYANINE
William Llewlyn Rintelman, Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1948, Serial No. 18,492
5 Claims. (Cl. 260—314.5)

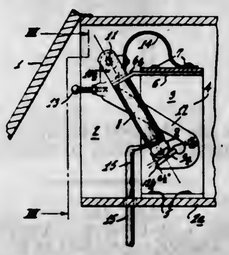
1. A process for the manufacture of a metal-free phthalocyanine, which comprises heating an orthoarylene dicyanide of the benzene series in an inert organic solvent and in the presence of an organic nitrogenous base selected from the group consisting of piperidine and the pipecolines, and in the further presence of glycol and of an alkali-metal carbonate.

2,485,169
MULTIPLE SOCKET WRENCH
Conrad W. Roeschke, Santa Fe, N. Mex.
Application July 2, 1946, Serial No. 680,944
2 Claims. (Cl. 81—185)



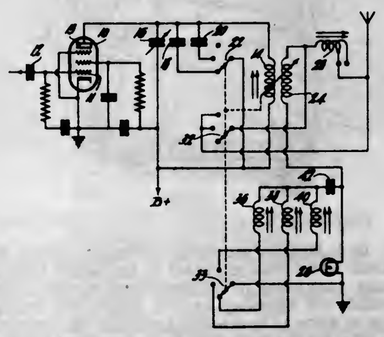
1. A socket wrench including a plurality of concentric tubular shanks, the lower end of each shank terminating in an enlarged polygonal shaped socket portion, an axial tubular spindle having a flanged lower end retaining the innermost socket and having its upper end enlarged and rigidly secured to the outermost shank, a plurality of concentric shoulders on said enlarged upper end aligned with said shanks and constituting spring seats, and concentric spring means interposed between said shoulders and said shanks.

2,485,170
GRAVITY-ACTUATED HIGH-VOLTAGE SWITCH
Robert P. Roetter, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1946, Serial No. 713,195
5 Claims. (Cl. 200—166)



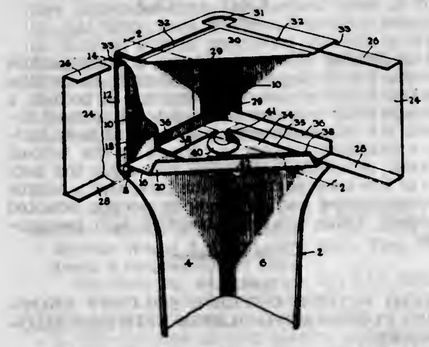
1. A switch comprising a movable arm having a free-end and a rigid contact adjacent to said free-end, a stationary arm having a rigid contact mounted at a point contiguous the path of movement of said first mentioned contact, at least one of said contacts having a curved surface and being relatively so disposed with respect to the other that upon closing of said switch said path will engage said curved surface at an angle of not less than 5° nor more than 10° with respect to a line drawn tangent to said curved surface at said point.

2,485,171
ANTENNA CURRENT INDICATOR
Carl G. Seright, Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1946, Serial No. 703,056
5 Claims. (Cl. 250—17)



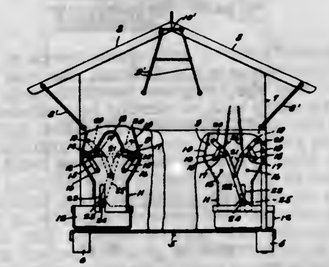
1. In a radio transmitter a tunable output circuit, a load circuit, means for variably coupling said load circuit to said output circuit and means for determining that substantial power is being applied to said load circuit including a filament lamp connected in series in said coupling circuit and a shunt across said lamp for controlling the current flow through said lamp, said shunt including a series connected inductance and capacitance.

2,485,172
FURNITURE LEG CONSTRUCTION
Rob Roy Shelton and Charles R. Rau, Chattanooga, Tenn., assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application October 25, 1946, Serial No. 705,626
6 Claims. (Cl. 311—110)



2. Furniture leg construction, comprising a leg section having two panels at right angles to one another, and a horizontal gusset plate secured to said panels, said gusset plate being provided with an outer, upturned flange, a top section comprising channeled side plates having inturned horizontal flanges, upper and lower horizontal gusset plates secured to the inturned flanges of the side plates, the lower of said gusset plates being provided with an outer, upturned flange, and detachable means for holding the gusset plate of the leg section in coextensive engagement with the lower gusset plate of the top section, with the upturned flanges of such gusset plates in engagement.

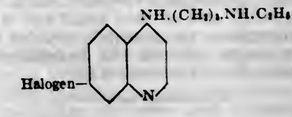
2,485,173
DRY MASH FEED HOPPER
Daniel M. Smucker, Harrisonburg, Va.
Application July 31, 1945, Serial No. 607,955
2 Claims. (Cl. 119—57)



1. In a feeder, a hopper having side walls, a spout formed at the lower end of the hopper, a baffle supported between the walls of the hopper and having lower edges in spaced relation therewith, swinging valve members mounted within the hopper and adapted to normally close the spaces between the lower edge of the baffle and side walls of the hopper, a vertically movable trough mounted below the hopper and adapted to receive material from the hopper, links connecting the trough, and valve members adapted to move the valve members to their open positions upon upward movement of the trough, releasing material to the trough.

2,485,174
BASIC SIDE CHAIN SUBSTITUTED QUINOLINE DERIVATIVE
Dean S. Tarbell, Rochester, and Nancy Shakespeare, Port Washington, N. Y., and Joseph F. Bunnett, Portland, Oreg., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
No Drawing. Application April 8, 1946, Serial No. 660,418
2 Claims. (Cl. 260—288)

1. A new series of compounds composed of the group consisting of the free bases having the structural formula



2,485,175
METHOD OF RECOVERING HARD METAL CARBIDES FROM SINTERED MASSES
George Joseph Trapp, Leamington Spa, England
No Drawing. Application June 3, 1946, Serial No. 674,041. In Great Britain June 7, 1945
12 Claims. (Cl. 23—208)

11. A process for recovering tungsten carbide from a sintered mass thereof with cobalt, wherein the mass is heated to a temperature of at least 1800° C. whereby some of the cobalt bond is exuded and the mass is made porous, the porous mass being then cooled and treated with acid for the removal of the cobalt bond and the resultant mass of hard metal carbide subjected to mechanical reduction.

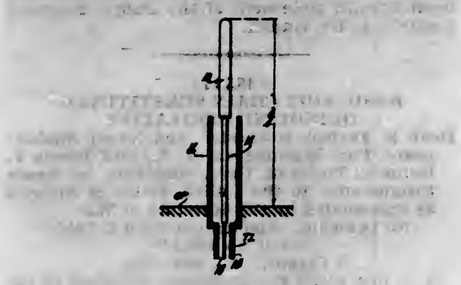
2,485,176
SELECTIVE CARBURIZATION OF METALS
Frederick D. Waterfall, Warley, Birmingham, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 19, 1946, Serial No. 691,669. In Great Britain August 27, 1945
6 Claims. (Cl. 148—15)

1. A stopping-off composition for use in the selective carburisation of metal articles comprising a liquid vehicle adapted to dry to an adherent hard film having suspended therein as pigment a metal powder consisting of copper and from 5% to 15% of tin together with a lead compound selected from the group consisting of lead oxide, lead hydroxide and basic lead carbonate in an amount equal to from 5% to 20% by weight of the total pigment.

2,485,177
BROAD-BAND ANTENNA SYSTEM
Robert S. Wehner, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1946, Serial No. 650,953
19 Claims. (Cl. 250—33)

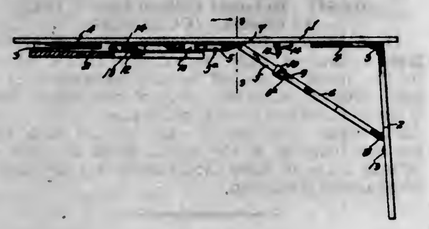
1. A broad-band antenna system including a vertical quarter wave radiator, a transmission line

for coupling said radiator to a source of high frequency energy and an impedance matching section interposed between said radiator and said transmission line, said section having a length



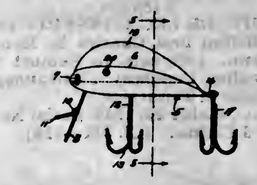
of the order of one quarter wavelength near the high frequency end of said band and a characteristic impedance substantially greater than the geometric mean between the impedance of the radiator and the transmission line.

2,485,178
COLLAPSIBLE STAND
Henry P. Weinkauf, Arcadia, Calif.
Application October 21, 1946, Serial No. 704,748
1 Claim. (Cl. 311—87)



A collapsible stand comprising a platform having an anchoring plate on the underside near each end thereof, a leg hingedly secured to the outer bottom edge of each anchoring plate and so positioned that the inner top edge of each leg lodges in the corner between the anchoring plate and the platform when the stand is opened, a folding brace extending from a point below the transverse center of each leg to a point on the platform near the center thereof, each brace consisting of a relatively long bottom link and a relatively short top link, the lower portion of each of said bottom links being bifurcated to form a sturdy frame pivotally joined to the adjacent leg of the stand, the portion of the link above the bifurcation thereof being offset to one side and extended a distance beyond the pivotal joint of the two links, the end of the link being bent to form a lip contacting the short link when the links are fully extended, a sleeve on the short link movable on to said lip to lock the links in extended position, a transverse bar on each leg adjacent the lower end of the brace link thereon, pawls pivotally hung on the platform positioned to engage said bars when the stand is collapsed to lock the legs against said anchoring plates, and springs urging the pawls into engagement with the adjacent bars.

2,485,179
ARTIFICIAL BAIT
Conrad Wood, El Dorado, Ark., assignor to Wood Manufacturing Company, El Dorado, Ark.; J. B. Wood sole owner
Application January 21, 1946, Serial No. 642,535
2 Claims. (Cl. 43—42.06)

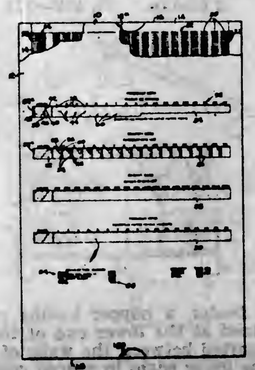


1. A fishing lure, comprising a body portion constructed of sheet metal material, comprising upwardly curved side members and a bottom, a buoyant body member adapted to be secured between the side members, said buoyant body having a longitudinal groove formed in the bottom thereof, providing a passage-way with the bottom of the body portion of the lure, and a tongue at the forward end of the body portion adapted to direct water upwardly through said passage-way.

2,485,180
LIQUID SULFUR DIOXIDE SOLVENT PROCESS FOR MAKING OLEFIN NITROSOCHLORIDES
Rufus K. Allison, Birmingham, Ala., assignor to Food Machinery and Chemical Corporation, a corperation of Delaware
No Drawing. Application March 25, 1947, Serial No. 737,097
6 Claims. (Cl. 260—647)

1. A process which comprises dissolving a cyclic olefin in liquid sulfur dioxide, maintaining the solution at a temperature below −10° C., passing nitrosyl chloride therethrough, and thereafter separating the resulting nitrosochloride therefrom.

2,485,181
SAFETY CALCULATOR
David P. Anschicks, Riverside, and Francis M. Wright, Berwyn, Ill.
Application December 20, 1947, Serial No. 792,996
17 Claims. (Cl. 235—89)



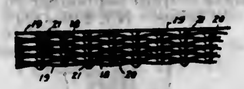
1. In a calculator the combination comprising a body member having a face portion, a slider

insertable under said face portion, said slider having a table of answers thereon consisting of figures arranged in horizontal and vertical rows, a vertical row of reference figures alongside said table, a plurality of transparent windows on said face portion for viewing a selected horizontal portion of said table, a set of stepped decimal indicia on said face portion and cooperating with the reference figures in said vertical row so that upon sliding adjustment of said slider a selected one of said decimal indicia may be positioned relative to a selected one of said reference figures to properly locate the decimal point in the latter, a horizontal row of reference figures adjacent each of said windows respectively and arranged in respective alinement with the vertical rows of figures in said table, said windows having a second set of decimal indicia imprinted thereon in stepped relation and so related to said first decimal indicia that the answer corresponding to a selected pair of coordinate reference figures may be read off directly and with the decimal point automatically properly located therein.

2,485,182
ALUMINUM PLATING PROCESS
Arthur Arent, Fort Dodge, Iowa, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa, a corporation of Iowa
No Drawing. Application April 17, 1945, Serial No. 588,898
9 Claims. (Cl. 117—130)

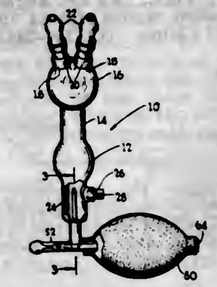
1. The method of cold plating aluminum-containing metals, which comprises wetting the surface of such a metal with the solution reaction product of the intermixture of anhydrous antimony trichloride with a brine selected from a group consisting of sodium chloride, potassium chloride, and calcium chloride brines for an interval sufficient to induce a surface reaction in which metallic antimony forms on the aluminum surface in commingling union therewith.

2,485,183
ADJUSTABLE SCREEN
Henry Eric Becker, Chicago, Ill., assignor, by mesne assignments, to George E. Gagnier
Application October 18, 1946, Serial No. 704,006
4 Claims. (Cl. 209—394)



2. A screen comprising a frame having parallel end bars and parallel side bars having longitudinal slots adjacent one end, one end bar being adjustable and slidable in said slots, screws connecting said adjustable end bar to said side bars for shifting said end bar in said slots and an end bar fixed to the opposite ends of said side bars, and a screen body comprising bars in the form of elongated resilient plates disposed on edge parallel to said end bars and between the same with their ends slidable on said side bars, said plates being spaced apart by protuberances on the individual plates that are spaced longitudinally of the plates, the protuberances of successive plates being staggered so that the protuberances of one plate engage with flat portions of another plate to define openings for the passage of screenings, said plates being bendable about said protuberances to vary the size of said openings when said adjustable end bar is shifted by said screws.

2,485,184
NEBULIZER
Seymour N. Blackman, Teaneck, and Harold Rosenblum, Rahway, N. J., assignors to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J., a corporation of New York
Application May 7, 1948, Serial No. 25,574
11 Claims. (Cl. 128—194)

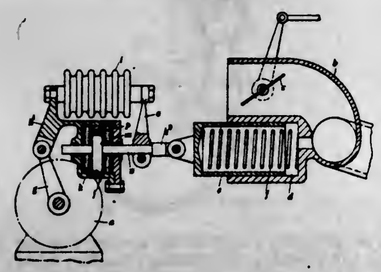


1. A nebulizer comprising a reservoir for fluid to be nebulized, a nebulizing chamber above and connected to said reservoir, a blast tube in said nebulizing chamber, two pickup tubes, each pickup tube having its lower end disposed adjacent the bottom of the nebulizing reservoir, the bottom of said reservoir beneath said tubes being flat and horizontal, the opening in said lower ends having their mouths in planes oriented at an angle to said bottom, the other end of each pickup tube being disposed above the nozzle of the air blast tube and overlying the air blast orifice, said other ends of the pickup tube being disposed on diametrically opposite sides of the blast tube and being oriented with their axes of flow at acute angles to the direction of the air blast, the openings in said other ends of the pickup tubes having their mouths in planes at obtuse angles to the direction of the air blast, both ends of said pickup tubes being of capillary dimensions, a mucous chamber, means to connect said nebulizing chamber to said mucous chamber, a pair of nose pieces, means to connect said mucous chamber to said pair of nose pieces, an aspirator including an inner tube, a casing in which said inner tube is disposed, means to connect said casing to said blast tube, said casing having a constricted throat which opens to the atmosphere, the discharge end of said inner tube being directed toward said throat, and means to blow air into the other end of said inner tube, whereby when air is blown through said inner tube, if the throat atmospheric opening is blocked, the liquid in said reservoir will be nebulized, and if said opening is unblocked a negative pressure will be maintained in said nose pieces.

2,485,185
NITROPARAFFIN SOLVENT PROCESS FOR MAKING OLEFIN NITROSOCHLORIDES
Carl Bordenca and Wilbur A. Lazier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
No Drawing. Application March 25, 1947, Serial No. 737,102
5 Claims. (Cl. 260—647)

1. A process which comprises dissolving an olefin having at least six carbon atoms in a nitroparaffin having from one to eight carbon atoms, passing nitrosyl chloride therethrough at a temperature below 0° C., and thereafter separating the resulting nitrosochloride therefrom.

2,485,186
LIQUID FUEL SUPPLY SYSTEM FOR INTERNAL-COMBUSTION ENGINES
William Robert Boyle, Solihull, England, assignor to The Rover Company Limited, Solihull, England
Application May 9, 1947, Serial No. 747,147
In Great Britain May 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1964
3 Claims. (Cl. 74—586)



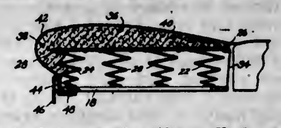
1. A power transmission device comprising in combination a pair of transmission members one of which is movable by and relatively to the other, a deformable device interconnecting said members and responsive to ambient atmospheric pressure for imparting relative movement to said members, and a hydraulic coupling also interconnecting said members and arranged to transmit movement between said members independently of said deformable device whilst permitting relative movement of said members under the action of said deformable device.

2,485,187
CONDENSATION PRODUCTS OF METHYLOL ALIPHATIC DIUREAS AND METHYLOL AMINOTRIAZINES
Henry M. Cadot, Greenville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 5, 1944, Serial No. 534,347
1 Claim. (Cl. 260—17.3)

In a process for the manufacture of resinous products, the steps which comprise incorporating a cellulose filler at a pH of 5 to 6.3 with a methylol mono methylene diurea having from 2.4 to 3.0 methylol groups per unit of monomethylene diurea, and N-trimethylol melamine, the weight proportion of N-trimethylol melamine to methylol monomethylene diurea being from 10:90 to 17:83, and thereafter thermally hardening the resulting mixture in the presence of an accelerator which liberates acid on hydrolysis.

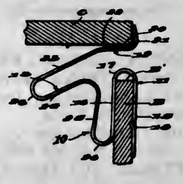
2,485,188
SOFA BED
Domenic Catalini, Fitchburg, Mass., assignor to Charlton Company, Inc., Fitchburg, Mass., a corporation of Massachusetts
Application March 7, 1947, Serial No. 732,957
2 Claims. (Cl. 155—184)

1. A convertible sofa bed comprising a base, a seat, and a back, said seat comprising a rectangular frame, a series of springs thereon, certain of said springs projecting beyond a side edge of the frame at the front edge of the seat, padding rolled over the springs and projecting beyond the frame and said base, covering over the padding, and a finish strip securing the covering to the frame and forming and maintaining the padding and covering in a forwardly projecting roll edge, said



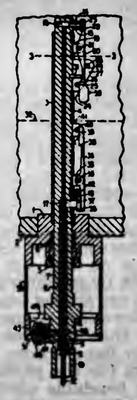
finish strip lying under the rolled padding and projecting springs and inwardly thereof as respects the said base.

2,485,189
FASTENER FOR ATTACHING CONTAINER BACKS OR COVERS
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 19, 1946, Serial No. 704,386
5 Claims. (Cl. 292—80)



1. A fastener for securing a part to a support disposed in right angled relation thereto, comprising a U-shaped part-gripping portion having spaced legs for engaging opposite faces of the part to be supported, a support-engaging portion disposed in a plane normal to and spaced from the part-gripping portion, and a generally W-shaped portion resiliently joining said part-gripping and support-bearing portions.

2,485,190
MACHINE FOR FILLING CONTAINERS WITH LIQUIDS
Leslie Clarke, Stockport, England, assignor of one-half to Bratby and Hinchliffe Limited, Manchester, Lancashire, England
Application August 9, 1945, Serial No. 609,741
In Great Britain September 30, 1944
6 Claims. (Cl. 226—124)



1. A machine for filling containers with liquid, comprising a filling tank, a linearly displaceable

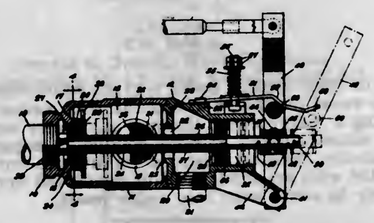
member projecting from within the filling tank to a point below the filling tank for filling a container, two filling valves situated inside the filling tank and carried by the displaceable member for controlling the escape of gas and liquid from the filling tank into the container, means wholly inside the filling tank for operating the valves by displacement of the displaceable member, a snift valve situated outside the tank and provided on the displaceable member, mechanical means outside the filling tank for opening the snift valve by displacement of the displaceable member, and spring means on the snift valve for forcibly closing it when it is not opened by the said mechanical means.

2,485,191
GOLF SCORE INDICATOR
Lloyd Allen Culver, Fullerton, Calif.
Application November 27, 1946, Serial No. 712,499
1 Claim. (Cl. 235—83)



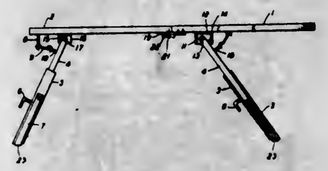
A golf score indicator comprising a base having plus and minus single stroke indicating scales thereon arranged in one arc, and also having thereon a pair of plus and minus total stroke indicating scales thereon arranged in different arcs concentric to the arc of said single stroke indicating scales, a disk rotatably mounted on said base and concentric to said arcs, said disk concealing said total stroke indicating scales while exposing said single stroke indicating scales and having a pair of diametrically opposite sight openings therein for viewing said total stroke indicating scales therethrough, and a pointer carried by said disk for registering with said single stroke indicating scales.

2,485,192
MULTIWAY LIQUID VALVE
Edwin A. C. Eickstaedt, West Allis, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 29, 1944, Serial No. 537,929
7 Claims. (Cl. 277—13)



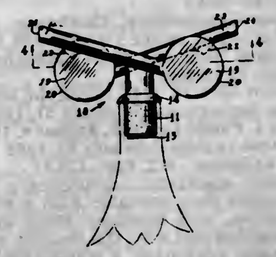
1. In a multi-way valve, a body providing a valve chamber having a pair of spaced ports, and an intake chamber having a port communicating with said valve chamber in alinement with and spaced from one of said first named ports, each of such alined ports being surrounded by a seat; a valve stem mounted in the body for reciprocation co-axially with said alined ports; a pair of valve members carried by said stem for alternative sliding engagement in the respective alined ports whereby to cut off flow of fluid through one of such ports while opening the other; a compressible washer carried by the stem behind each of said valve members for pressural engagement with the seat of the port controlled by such member in sequence to entry of the member into such port, to completely seal the port against fluid flow; a piston carried by the valve stem in a portion of said intake chamber, said piston being subject to and operable by the pressure of fluid introduced into the intake chamber to overbalance the effect of such pressure upon one of the valve members and under-balance such effect on the other member; and means for reciprocating said valve stem.

2,485,193
FOLDABLE IRONING BOARD
James J. Foglio, New Rochelle, N. Y.
Application October 22, 1946, Serial No. 705,078
6 Claims. (Cl. 38—139)



1. A foldable ironing board composed of two ironing board sections hinged to each other along the opposed transverse edges, means on the lower surface of the board sections for locking the sections to each other when the sections are aligned with each other, a first leg support on the lower surface of one of the board sections, at a minimum distance from the hinged edge of the section, a first leg assembly pivotable in such first support, means for locking the first leg assembly parallel the section, a second leg support on the lower surface of the other of the board sections at a distance from the free edge of that section substantially equal to the distance of the first leg support from the hinged edge of the one board section, and a second leg assembly pivotable in such second support.

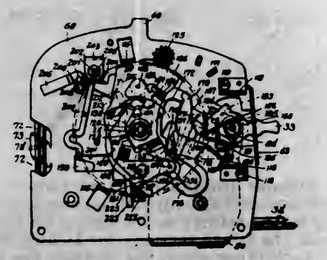
2,485,194
TILTABLE CONTAINER WITH MEASURING TRAP
Louis D. Friedman, New York, N. Y
Application March 21, 1946, Serial No. 656,103
6 Claims. (Cl. 222—455)



1. For use with a bottle, a removable attachment for dispensing a measured quantity of liq-

uid therefrom, said attachment comprising a central tube, two feed tubes, two measures and two discharge tubes, the central tube having an open end adapted to connect with the bottle, each feed tube extending outwardly from the other end of the central tube connecting it with one of the measures and having a portion extending about the inside of the measure at its top, the measures being oppositely disposed about the central tube, and each discharge tube extending outwardly and upwardly from one of the measures, each of said discharge tubes terminating in an open end positioned above the topmost portion of the inner walls of the other measure.

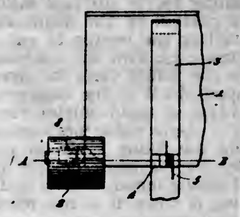
2,485,195
TIMING MECHANISM
William P. Gallagher, Carl Weber, and Paul E. Sutor, Chicago, Ill., assignors to International Register Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1946, Serial No. 658,680
15 Claims. (Cl. 161—1)



1. A timing mechanism comprising, in combination, a time wheel arranged to be rotated once every twelve hours, tripping means thereon, mechanism to be operated at a predetermined time more than twelve hours after a given time, means arranged to be operated by said tripping means from a first position to a second position during one revolution of said time wheel without operating said mechanism and from said second position to a third position during the next revolution of said time wheel to effect operation of said mechanism, a member for operating said tripping means, and means for manually presetting said member.

2,485,196
INDICATING DEVICE COMPRISING A ROTATABLE SCALE, MORE PARTICULARLY FOR RADIO SETS
Maarten Jan Groenenberg, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 23, 1946, Serial No. 664,174
In the Netherlands February 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1962
4 Claims. (Cl. 116—124.1)

1. Indicating apparatus comprising a pair of carrier members each provided with a rotatable bushing portion, said members being arranged in spaced relation and with the bushing portions thereof in axial alignment, a transparent plate-shaped dial mounted between said bushing portions for rotary motion therewith about the common axis of said bushing portions, said axis extending within said dial, a pair of illuminating lamps for said dial each coaxially positioned



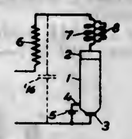
within a respective bushing portion, and a pointer arranged for movement along said dial.

2,485,197
DYESTUFF MIXTURES AND PROCESS OF MAKING SAME
Paul Grossmann, Binningen, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application May 4, 1945, Serial No. 592,063. In Switzerland May 24, 1944
7 Claims. (Cl. 260—380)

1. Process for the manufacture of a dyestuff mixture suitable for dyeing acetate rayon according to the dispersion dyeing method, comprising reacting a mixture of α:α-dihydroxyanthraquinones consisting of a single anthraquinone nucleus containing the hydroxyl groups in different benzene nuclei and further two nitro groups in such positions as are occupied in direct nitrating reactions, with an arylamine under conditions for exchanging only part of the said nitro groups for arylamino radicals, and reducing the remaining part of the nitro groups to amino groups.

6. A mixture obtained according to the process of claim 1.

2,485,198
METHOD AND MEANS FOR OPERATING HIGH VOLTAGE STATIC CURRENT CONVERTERS USING IONIC VALVES
Johannes Hansen, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application January 10, 1947, Serial No. 721,286
In Sweden February 7, 1946
7 Claims. (Cl. 315—243)
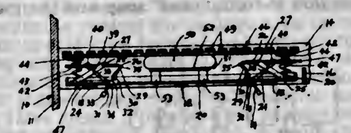


1. In high voltage static current converters, a valve vessel having an arcing cathode, means for feeding a load current through said valve vessel and constituting a minute conductor capacity in parallel therewith, and a minute reactor in parallel with an ohmic resistor connected immediately in series with said valve vessel.

2,485,199
RESILIENT UNIT FOR BEDSPRINGS, CHAIRS, AND THE LIKE
Abraham Max Holtzman, New York, N. Y.
Application November 10, 1945, Serial No. 627,878
5 Claims. (Cl. 5—246)

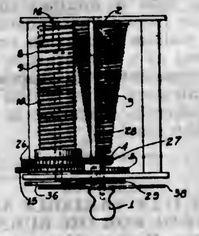
1. A resilient unit for bed springs, chairs and the like, comprising a support base, side arms

for supporting a lever spaced from said base, said lever pivotally mounted intermediate of its ends upon said arms, a tension spring connected between the rear ends of said lever and said base for urging the front end of said lever upwards, means for adjusting said tension spring, limiting means for said lever, a compression spring



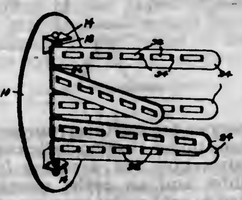
mounted on said base and extending above the front end of said lever, and a transverse member for supporting a load mounted on said compression spring, whereby said compression spring supports the load up to a certain amount and then said member engages said lever so that said tension spring supports some of said load.

2,485,200
SQUARING MECHANISM
Lewis William Imm, Glendale, Calif., assignor to Librascope, Incorporated, Burbank, Calif., a corporation of California
Application October 29, 1943, Serial No. 508,231
13 Claims. (Cl. 235—61)



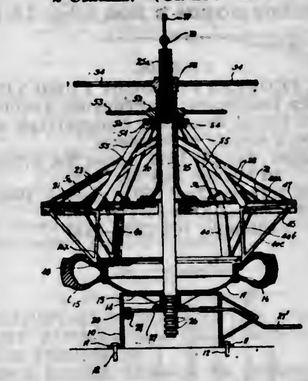
4. A function computing device comprising two rotatable members, one being cylindrical and having a uniform surface and the other being tapered and having helical grooves proportioned in accordance with a function to be computed, and a pair of flexible cables wound in said grooves and around said cylindrical member respectively but reversely with respect to each other, said cables having their opposite ends connected to the two rotatable members so that they constitute a positive driving connection therebetween.

2,485,201
TIE RACK
Donald R. Jewett, Worcester, Mass.
Application May 1, 1946, Serial No. 666,422
4 Claims. (Cl. 211—96)



1. Article of manufacture comprising a support and a thin elongated member movable on the support, said member being provided with a series of spaced parallel slots, a clip in each slot, each clip comprising an elongated U-shaped element arranged horizontally in said slot with the closed end of the element in the slot and the legs of the U extending parallel to the member, one leg at each side thereof, and in springy yieldable contact therewith.

2,485,202
SCREW ACTUATED TIRE PRESS WITH CIRCUMFERENTIALLY DISTRIBUTED THRUST ELEMENTS
Ted Kelly, Port Angeles, Wash.
Application October 18, 1945, Serial No. 623,025
2 Claims. (Cl. 157—1.2)



1. A press for the removal of tires from wheels of the character described comprising a base member designed for the flat support thereon of a wheel body, an anchor shaft designed to be detachably secured at its lower end in said base to extend upwardly therefrom centrally of the wheel, an upper frame structure comprising a tubular hub portion slidable on the upper portion of the anchor shaft and a plurality of radial arms fixed to the hub overlying and extending beyond the wheel as mounted on the base member, a bracket pivotally mounted on each radial arm to swing in a radial plane and having a downwardly and inwardly directed leg designed to engage at its inner end against the top wall of the tire casing, means adjustably mounted on the hub portion for limiting the inward movement of the lower ends of the brackets, and a nut threaded on the upper end portion of the anchor shaft and adjustable therealong against the frame hub to move the frame downwardly for the removal of the casing from the wheel by the said brackets.

2,485,203
UREA-FORMALDEHYDE COMPOSITIONS
Hamline M. Kvalnes and Franklin S. Chance, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1947, Serial No. 775,148
5 Claims. (Cl. 260—69)

1. A liquid composition comprising a urea-formaldehyde reaction product obtained by heating urea with from 4 to 5 mols of formaldehyde per mol of urea in alkaline aqueous solution followed by removal of water from the reaction mixture at 100° to 200° F. under subatmospheric pressure, the said water-removal step being carried out at a pH of 5 to 6.8, whereby a urea-formalde-

hyde reaction product comprising dimethyloluron is formed, said urea-formaldehyde reaction product having a mol ratio of free and combined formaldehyde to free and combined urea within the range of 2.5:1 to 4.0:1, admixed with a compound of the formula

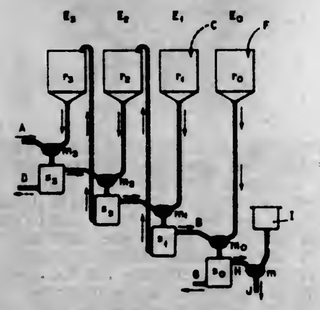
$$NH_2CNH_2$$
$$\downarrow$$
$$X$$

X being a member of the class consisting of oxygen and sulfur, in such proportions that the mol ratio of free and combined formaldehyde to free and combined

$$NH_2CNH_2$$
$$\downarrow$$
$$X$$

in the resulting mixture is from 1:1 to 1.3:1.

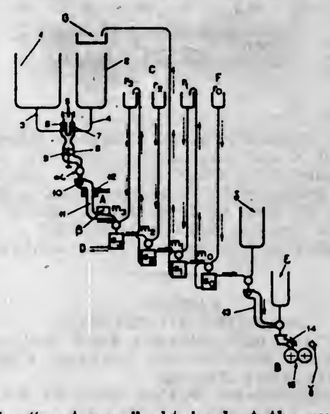
2,485,204
NOVEL PROCESS FOR SOAP PURIFYING
Felix Lucien Lachampt, Franconville, France, assignor to Union Francaise Commerciale et Industrielle, a society of Morocco
Application May 24, 1946, Serial No. 672,082
In France July 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 31, 1963
8 Claims. (Cl. 260—418)



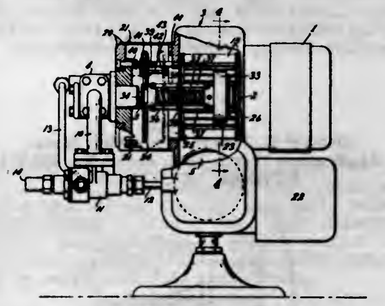
1. In the manufacture of soap a continuous process for the purification of a glycerinated soap obtained in the more concentrated liquid phase known as "neat" soap comprising washing the soap by a continuous circulation with a solution of sodium chloride and the concentration of said solution being close to the concentration below which the soap may be dissolved.

2,485,205
METHOD FOR THE CONTINUOUS PRODUCTION OF SOAP
Felix Lucien Lachampt, Franconville, France, assignor to Union Francaise Commerciale et Industrielle, a society of Morocco
Application May 24, 1946, Serial No. 672,083
In France August 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 27, 1963
4 Claims. (Cl. 260—417)

1. An improved process for the continuous manufacture of soap comprising forming an emulsion of the type "water in oil" between fatty glyceridic materials and an alkaline lye having a concentration of caustic soda to produce soap in the "neat" phase wherein the quantity of soda placed in reaction is slightly above the quantity necessary for a complete saponification of said fatty materials, said emulsion being formed at a temperature slightly above the melting temperature of said fatty materials, then homogenizing said emulsion to fine particles, conducting said homogenized emulsion continuously through a saponification chamber, starting the saponification at the entrance of said chamber by heating said emulsion momentarily to about 100° C. and then relying upon the exothermic heat developed to complete the reaction to form "neat" soap and then washing the "neat soap" obtained at the exit from said chamber with a solution formed from a substance taken from a class consisting of sodium chloride and sodium hydroxide solutions and a mixture thereof at a temperature of about 100° C. having a concentration approximating the critical concentration below which the soap may be dissolved whereby glycerine is quickly eliminated from the soap.

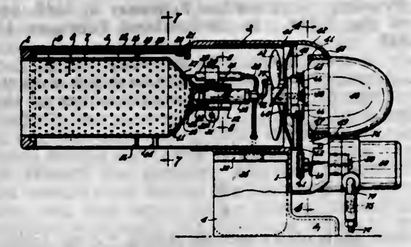


2,485,206
AUTOMATICALLY VARIABLE AIR SUPPLY CONTROL FOR OIL BURNERS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Original application May 24, 1946, Serial No. 672,106. Divided and this application October 22, 1948, Serial No. 56,028
5 Claims. (Cl. 158—28)



1. An oil burner for starting, running and stopping operations under thermostatic control, comprising, an air supply fan, a casing for said fan having an inlet and an outlet opening, an air tube connected to said outlet opening and through which the air for combustion is supplied, an atomizing nozzle in said tube to supply oil at a constant rate to mix with the air supplied through said tube, a pump to supply oil to said nozzle, a motor, driving means connecting the fan to the motor to start and stop coincidentally therewith, driving means connecting the pump to the motor and including a centrifugal clutch operable to drive the pump only when the motor and fan are operating at or above a predetermined high speed, valve means associated with one of said openings to control the passage area for the flow of air to said tube, hand-operable means for actuating said valve means to determine a precision adjustment of the passage area for normal operation of the burner, yieldable means for actuating the valve means to increase the passage area, and means operatively connected to said clutch to operate only while the motor and fan are moving at or above said predetermined speed for actuating said valve means to counteract said yieldable means and decrease the passage area to that for normal operation of the burner.

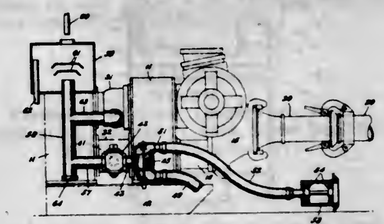
2,485,207
AIR CONTROL FOR TUBULAR COMBUSTION CHAMBERS OF OIL BURNERS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Original application September 6, 1946, Serial No. 695,239. Divided and this application November 5, 1948, Serial No. 58,572
2 Claims. (Cl. 158—28)



1. In an oil burner, a tubular combustion-chamber-forming member open at its front end and having at its rear end a coaxial air inlet passage of smaller diameter, a tube surrounding said member and forming therewith a jacket closed near the open end of the combustion chamber, said member having therethrough openings circumferentially and axially distributed over the peripheral surface of the member, an oil pressure atomizing nozzle located in said passage to discharge into the rear end of said chamber, a pump for supplying oil to said nozzle at a predetermined pressure, a fan to supply air to said tube and thus to said passage and to said jacket and from the jacket through said openings into the combustion chamber, an annular baffle mounted in said jacket in axial alignment with said member, and means for moving said baffle lengthwise in the jacket to divert air from some of the openings in said member.

2,485,208
CONCRETE PLACEMENT APPARATUS
Charles I. Longenecker, Watwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 17, 1947, Serial No. 786,531
8 Claims. (Cl. 103—204)

1. In concrete placement apparatus comprising a pump having a working cylinder closed at one end, a piston working in said cylinder, and valve means for controlling movement of concrete to and from the other end of the cylinder, which valve means are ineffective for handling fluids; a pipe line for the concrete detachably connected with the last mentioned end of the cylinder; inlet and outlet fluid handling valves



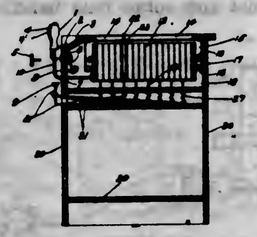
disposed out of the line of flow of the concrete to and from the pump; fluid conducting connections between said fluid handling valves and the closed end of the cylinder; means for supplying fluid to said inlet valve; and a conduit for conducting fluid from said outlet valve, having means for attachment of the discharge portion thereof to the pipe line when the latter is disconnected from the pump.

2,485,209
CENTRIFUGE WITH PRIMARY AND SECONDARY ZONES OF SEPARATION AND PROCESS THEREFOR
Ingle J. Lundal, Chicago, Ill., assignor, by direct and mesne assignments, to Sugar Creek Creamery Company, Danville, Ill., a corporation of Delaware, and Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware, as joint owners
Application July 16, 1943, Serial No. 494,966
22 Claims. (Cl. 233—27)



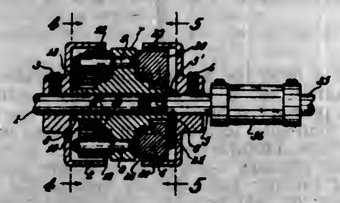
1. In a bowl for a centrifugal separator, the combination of, a hollow centrally positioned tube, a primary separation chamber at the lower end of said tube formed of an expanded portion of said tube, a final separation chamber surrounding said primary separation chamber and extending radially substantially beyond the outer periphery of said primary separation chamber, a first passage through the outer peripheral portion of said primary separation chamber to an outer zone of said final separation chamber, and a second passage extending from within said primary separation chamber to an intermediate zone of said final separation chamber.

2,485,210
DAILY SALES BOOK FILE AND INSTANT LOCATOR
Vernon D. McBrayer, Florence, Ala.
Application October 31, 1946, Serial No. 706,843
1 Claim. (Cl. 45—2)



A daily sales book file and instant locator of the class described comprising; a main housing case forming a counter, an upper and lower compartment within the housing case, a slidable book containing case positioned within the upper compartment and slidable therein, rollers positioned in channels supported on the walls within the compartment, the slidable case supported on the rollers, a plurality of open bottom tills in the sliding case, a sales book holding rack positioned in each till; a plurality of typewriter-like keys mounted adjacent the outer rear top portion of the wall of the main case, levers leading from the keys into the upper compartment, tappets mounted upon the ends of the levers leading into the upper compartment, said keys and levers adapted by manual operation to push the tappets upward, spring means adapted to return the tappets to their rest positions, the tops of the tappets positioned to register with the bottoms of the holding racks, handle means attached to the slidable book case and adapted to move the case to different positions within the upper compartment of the main case, notches for registering the handle means of the book case and retaining the case in several different positions, an opening in the top of the main case, the book case adapted by manual means to be set for the key-lever-tappet combination to elevate a sales book from the book case through the opening in the top of the main case.

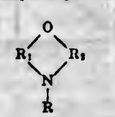
2,485,211
TIME DELAY CENTRIFUGAL CLUTCH
Theodore J. Meah, Easthampton, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application November 14, 1947, Serial No. 786,125
4 Claims. (Cl. 192—105)



1. A time delay clutch, comprising, a driving shaft, a driving clutch element fixed to said shaft, a driven clutch element mounted coaxially of the first element and shaft, a carrier mounted on and having a frictional driving engagement with said shaft and interposed between the driving and driven elements; a first spring-retracted speed-responsive clutch element mounted on said carrier and operable by centrifugal force after the carrier, while driven by frictional engagement from the driving shaft, has attained a predetermined speed, to engage the driving clutch element, whereby the carrier becomes coupled to and driven by the driving clutch element instead of by said frictional engagement; a second spring-retracted speed-responsive clutch element mounted on said carrier and operable by centrifugal force, after the carrier becomes coupled to said driving clutch element, to engage and drive the driven clutch element; said carrier with its speed-responsive clutch elements having considerable mass and acting like a flywheel loosely-coupled to the driving shaft, being initially driven from the driving shaft only by friction and because of its inertia requiring a substantial time interval to acquire the necessary speed to engage the first speed-responsive clutch element with said driving clutch element, after which the second speed-responsive clutch element engages the driven clutch element and drives the same.

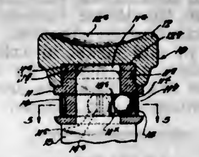
2,485,212
2-[PHENTHIAZINYL-(N)-METHYL]-IMIDAZOLINES, THE CORRESPONDING 2-(PHENOXAZINYL) IMIDAZOLINES, AND THEIR SALTS
Karl Miescher, Riehen, and Adrian Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application February 9, 1948, Serial No. 7,294. In Switzerland February 14, 1947
5 Claims. (Cl. 260—243)

1. A member selected from the group consisting of the 2-(oxazinylalkyl)-imidazolines of the formula



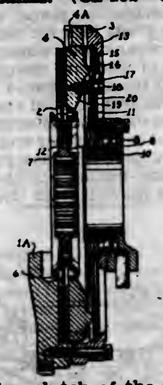
wherein each of R_1 and R_2 stands for an orthophenylene group connected to O and N, O being a member of the N-containing six-membered ring, and R stands for an imidazolinyl-(2)-alkyl group, the corresponding 2-(thiazinylalkyl)-imidazolines, and the salts of the said compounds.

2,485,213
ACTUATOR BUTTON
Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 23, 1945, Serial No. 589,801
9 Claims. (Cl. 197—102)



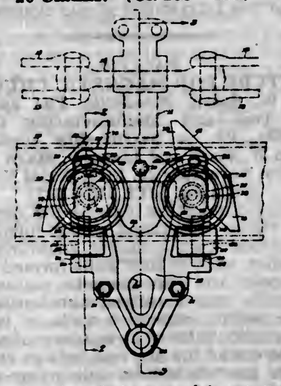
1. The combination of an actuatable key stem for a business machine having a recess therein, and a button comprising a head constructed for mounting upon said stem, said head being provided with a latching member movably mounted therein and movable into the recess of said stem, and means yieldingly to hold said latching member in said recess.

2,485,214
AXIALLY ENGAGING OPPOSED CLUTCH
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio; Marion F. Peterson, executrix of said Carl D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application January 11, 1946, Serial No. 640,473
7 Claims. (Cl. 192—68)



1. In a friction clutch of the type including a pressure ring, a back plate, a throw-out collar, and radially extending levers coacting with the throw-out collar and the back plate, and operable to transfer the movement of the throw-out collar to release the pressure ring and disengage the clutch; the combination of an annular plate clutch spring anchored at its outer edge to the back plate and biased to normally thrust its inner edge toward the pressure ring to transfer its pressure to the pressure ring to engage the clutch, said annular plate spring being normally slightly conical, loaded and biased to thrust its inner apex edge toward the pressure ring and distortable from conical form during the throwing out operation, and said levers being located to engage the spring and apply the distorting action to the spring during the throwing out operation.

2,485,215
TROLLEY CONVEYER BRACKET
Andrew G. Rose, Detroit, Mich., assignor to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1945, Serial No. 592,430
10 Claims. (Cl. 105—155)



10. A trolley bracket comprising a pair of like plates mounted in coinciding relation, each plate being formed in its inner surface with a longitudinal recess, each plate having a transverse hole therethrough spaced from said recess and an opening therethrough immediately adjacent to said longitudinal recess and between the ends thereof, the corresponding recesses, holes and openings of said plates being aligned with one another transversely of the plates.

2,485,216
MIXER
Frederick Seburger, Ozone Park, N. Y.
Application January 17, 1948, Serial No. 2,829
12 Claims. (Cl. 259—107)



1. A combined mixer and emulsifier comprising a unit for operating below the surface level of the matter to be treated, said unit including a housing provided with an annular chamber having a top wall portion which cross-sectionally of the chamber is upwardly arched, an impeller in said chamber, and a power drive means for rotating said impeller, said impeller incorporating blades having a field of operation below the highest point of said top wall portion, said casing having a plurality of openings below said field of operation and through which openings said matter enters and also leaves said chamber, said chamber having an outer wall portion inclined upwardly and outwardly from the outer bottom corners of said blades to said top wall portion that the matter entering said openings for beating by said blades and so given a slapping and splashing action against said outer wall portion by centrifugal force is guided by said outer wall portion to rise up along the same thereby to flow pursuant to the arching of said top wall portion and so rise above said blades for subsequent downflow into that part of their field of operation near the inner ends of said blades for discharge from the inner end zones of said openings, said centrifugal force created by said blades causing a suction at the outer end zones of said openings drawing the matter into said chamber at the outer end zones of said openings.

2,485,217
BOTTOM RAIL FOR VENETIAN BLINDS
Alex Semlief, Brooklyn, N. Y., assignor, by mesne assignments, to Reverso Products Co., Brooklyn, N. Y., a copartnership composed of Blanche G. Jablin and Irving Jablin
Application April 5, 1946, Serial No. 659,902
14 Claims (Cl. 160—178)

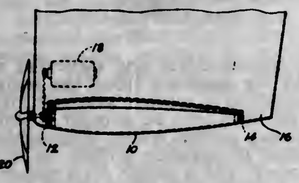
1. A Venetian blind rail construction in which the rail is formed of a strip of material having

opposite bent over edges that provide inwardly projecting flanges spaced apart from the body of the strip and from each other to form inwardly opening edge channels extending in opposing relation lengthwise of the rail, a cross member of greater length than the opening between the inwardly projecting flanges and bridging the same with its ends extending into the



opposing rail channels, and ladder tapes secured to the rail by having end portions thereof interposed and held under compression between the inner wall of the channels and the ends of the cross member, the cross member being entered and positioned in the rail channels by being sprung bodily through the opening between the channel flanges.

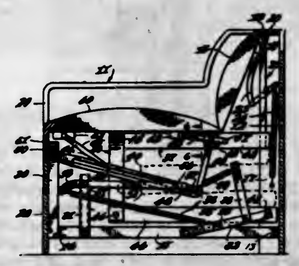
2,485,218
WING TIP VORTEX REDUCER FOR AIRCRAFT
Elgin L. Shaw, Cuyahoga Falls, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application October 18, 1943, Serial No. 506,707
9 Claims. (Cl. 244—130)



1. In combination, a rigid wing of an aircraft, a rotor positioned with its rotating axis substantially parallel with the direction of flight and forming a wing tip, said rotor having circular cross-section and a longitudinal contour corresponding substantially to that of the cross-sectional shape of said airfoil at its outer end, bearing means for the rotor mounted in said wing, and means for driving said rotor in the direction from the low pressure side to the high pressure side of said wing.

2,485,219
COMBINATION SOFA AND BED
Solomon Shumsky, Brooklyn, N. Y.
Application November 14, 1945, Serial No. 628,398
1 Claim. (Cl. 5—34)

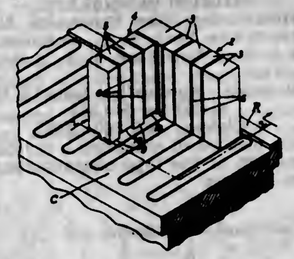
A combination sofa and bed comprising a front and a back member and end members, said end members having horizontal mutually parallel braces extending across the lower ends thereof, said front member being shorter in height than said back member, a back cushion pivotally secured adjacent said back member, a folding frame comprising a front substantially U-shaped section and a rear substantially U-shaped section and an intermediate section, said sections being in pivotal engagement with each other, a seat cushion, said sections in folded condition being arranged in end view of said folding frame in the shape of a U with said rear section positioned substantially parallel with said braces and adjacent thereto, said intermediate section extending upward from said rear section substantially vertically, and said front section being positioned above and substantially parallel with said rear section, said front section having rigid yokes extending upward from the front end thereof, and means connecting said sections, said braces, said seat cushion, and said front member for, upon swinging said front member forward through an arc of 180 degrees, straightening out said folding frame into a horizontal plane with said rigid yokes serving as front legs for said straightened out frame, said means comprising rigid uprights at the front end of said end members, additional and shorter rigid uprights spaced rearward from said first uprights and on said end members, an elongated link having a longitudinal slot therein pivoted at one end to the upper end of each of said uprights, a lever pivoted adjacent one end to each of said second-named uprights near the top of the latter and intermediate the length of the



lever, one end of each of said levers being curved, the other ends of said levers having pins therein registering in said slots of said elongated links, links connecting the other ends of said elongated links with said front section, rigid members pivoted at one end to said braces intermediate the length of the braces and pivoted at the other end thereof to the rear of said rear section, said rigid members having rigid arms extending at right angles thereto, tension springs connecting said other ends of said elongated links with said rigid arms, additional tension springs connecting said curved ends of said levers with said rigid members intermediate the length of the latter, links pivoted at one end to the forward portion of said seat cushion and at the other end to said elongated links, links pivoted at one end to the rearward portion of said seat cushion and at the other end to said front section, and additional links pivoted at one end to said forward section and at the other end to said free extremities of said elongated links.

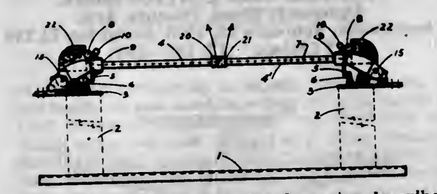
2,485,220
FIXTURE FOR MAGNETIC CHUCKS
Gleason W. Starn, Meadville, Pa., assignor to Starn Tool and Manufacturing Company, Meadville, Pa., a partnership consisting of Gleason W. Starn and James O. Starn
Application November 20, 1947, Serial No. 787,217
6 Claims. (Cl. 175—367)

1. A work-supporting fixture for use with a magnetic chuck comprising a body member having two vertical walls arranged angularly relative to each other, each of said walls formed of alternate magnetic and non-magnetic plates extending vertically and arranged substantially perpendicular to the respective walls, at least part of the magnetic plates of at least one of said walls being undercut at the extreme bottom end thereof so as to provide bottom supporting end portions which are adapted to be positioned on opposite magnetic poles of the chuck whereby adjacent magnetic plates are magnetised as opposite



magnetic poles when said fixture is positioned on and energized by the chuck.

2,485,221
ELECTRIC LOW AND HIGH VOLTAGE FUSE
Fitzhugh Hobson Turnham and Edgar William Garrison, Jr., Birmingham, Ala.
Application January 21, 1948, Serial No 3,618
2 Claims. (Cl. 200—114)



1. In an electric fuse of the character described comprising; a main supporting base 1, two insulators 2 mounted and spaced apart upon said base 1, a separate mechanism supporting base 3 mounted upon each of the said insulators, two duplicate tube assemblies mounted one on each of the bases on the insulators, each assembly consisting of a fuse containing tube 4 with one end thereof attached in a housing 9 that is swingable on a shaft 15 supported in a second housing 16 that is swingable on a shaft 17 supported on a base 3; a latch arm 5 mounted on a shaft 13 supported on the housing 9, said arm 5 having an L-shaped end, a latch member 6 supported on the base 3, a coil spring attached to said latch member and positioned normally disposed to urge the free end of the latch away from the housing 16, the L-shaped end of the arm 5 being adapted to make contact with the latch 6 when the tube 4 is positioned parallel to the base 1; a fuse inserted through said tubes, each end of the fuse attached by thumb screws 10 to part of the housing 9, said fuse in taut condition being adapted by trigger means on the end of arm 5 to retain said tubes in parallel position with relation to base 1, and being adapted to allow the free ends of the tubes to move away from the center portion of base 1 as a result of rupture of the fuse; spring means mounted in each said housing 16 and being adapted to urge the free ends of said tubes away from the center portion of base 1 when said fuse is in ruptured condition.

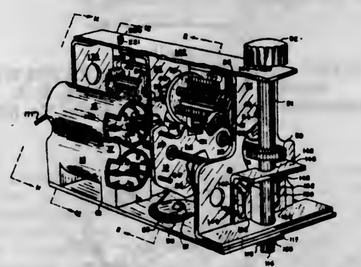
2,485,222
SMOKING PIPE
Ira G. Vermilyea, San Bernardino, Calif.
Application February 2, 1945, Serial No. 575,777
4 Claims. (Cl. 131—184)

1. A smoking pipe comprising an upper part and a lower part, the upper part including an upper stem section and an upper bowl section integral with one another, the lower part of the pipe including a lower stem section and a lower bowl section integral with one another, a dovetail on one stem section and a dovetailed groove to receive the dovetail on the other stem section enabling one part of the pipe to slide relative to the other part of the pipe to separate or assemble the parts of the pipe, the bowl sections being parted along a line extending generally upwardly from the parting line of the stem sections so that the lower bowl section contacts the upper bowl section preventing further forward movement of the lower part of the pipe relative to the upper part of the pipe, the lower stem section having a substantially straight groove of substantially uniform cross section throughout its length along



the face thereof exposed at the parting line of the stem sections and forming a smoke-conveying passageway, the upper part of the pipe providing a bore interconnecting the well in the bowl with said smoke-conveying passageway, the smoke-conveying passageway extending beyond the bore, and a pin integral with the upper part of the pipe and located behind the bore and extending from the upper part of the pipe into the extended portion of the smoke-conveying passageway and completely filling the passageway, whereby when the lower part of the pipe is slid rearwardly with respect to the upper part of the pipe, the pin wipes the smoke-conveying passageway substantially from end to end, the smoke-conveying passageway being unobstructed from the bore to the outlet at the end of the stem.

2,485,223
PRESELECTED STOP MEANS FOR TUNER ELEMENTS
Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application December 31, 1943, Serial No. 516,362
8 Claims. (Cl. 192—143)



1. A tuner for a radio receiver comprising a movable tuning member, a carriage for the tuning member, an adjustable stop for said carriage, a spring biased stop contact member pivotally mounted on the carriage, means tending to move the carriage in one direction, means to retract the carriage in the opposite direction, and means operatively connected to said first named means for positioning said stop member in the path of movement of said tuning member when said retracting means moves said tuning member.

2,485,224
FOUNTAIN PEN
Albert G. Wahl, Los Angeles, Calif.
Application January 14, 1946, Serial No. 641,525
1 Claim. (Cl. 120—42.4)



In a fountain pen, the combination with a hollow body, of a plug screw seated in the lower end of said hollow body, said plug having an axial threaded bore terminating at its lower end in an aperture of reduced diameter, an internal seat for a ball surrounding said aperture, a ball bearing on said seat, a plurality of balls bearing on top of said ball and a tubular member screw seated in the bore in said plug with its lower end bearing upon and providing a bearing for said plurality of balls.

2,485,225
SYNTHESIS OF HEXADIENE DINITRILE AND PRODUCT
Irving D. Webb, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1943, Serial No. 64,912
5 Claims. (Cl. 260—465.8)

1. A process for the preparation of 1,6-dicyano-2,4-hexadiene which comprises reacting a glycol of the formula $CH_2{=}CHCHOHCHOHCH{=}CH_2$ with hydrogen cyanide in an aqueous acidic solution containing a dissolved cuprous salt as catalyst, whereby a dinitrile of the formula

$$CNCH_2CH{=}CHCH{=}CHCH_2CN$$

is produced, and thereafter separating the said dinitrile from the resulting mixture.

5. 1,6-dicyano-2,4-hexadiene.

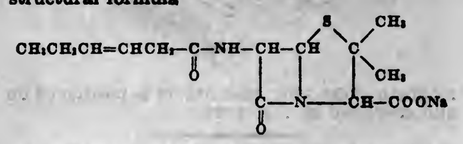
2,485,226
ICING COMMINUTOR AND EXTRUDER
Doris I. Weeden, Asbury Park, N. J.
Application October 16, 1945, Serial No. 622,495
5 Claims. (Cl. 107—7)



1. The combination with a hopper having a perforated bottom, of a set of arms rotatably mounted on the bottom, said arms each comprising forwardly and upwardly inclined portions and downwardly projecting blades in rear thereof, said latter blades being spring pressed downwardly to engage the perforated bottom, and the inclined portions adapted to press the material downwardly when rotated toward the high side.

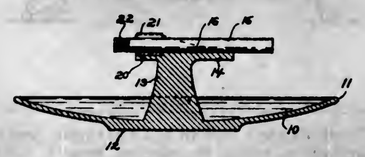
2,485,227
METHOD OF OBTAINING A CRYSTALLINE SODIUM PENICILLIN
Oskar Wintersteiner, New Brunswick, N. J., and Max Adler, New York, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 15, 1944, Serial No. 540,543
4 Claims. (Cl. 260—302)

1. In the method of obtaining a crystalline sodium-penicillin of the type characterized by the structural formula



the step of crystallizing an amorphous high-potency sodium-penicillin of such type from an aqueous lower alkyl ester of a lower fatty acid.

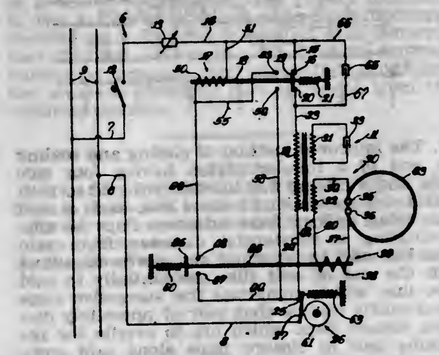
2,485,228
ASH TRAY AND EXTINGUISHER
Thomas E. Wood, Phoenix, Ariz.
Application February 27, 1948, Serial No. 11,739
2 Claims. (Cl. 131—235)



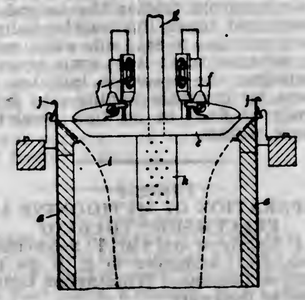
1. A combined ash tray and extinguisher comprising an ash-receiver in the shape of a saucer, a pedestal rising from the center of the receiver, and an elongated support on the upper end of the pedestal, said support provided with a groove along the upper face for the reception of a cigarette, one end of said support having an enlargement provided with a groove larger than said first-mentioned groove and in alignment therewith, and a U-shaped member positioned in said larger groove, and said U-shaped member provided with a groove aligned with said first-mentioned groove and adapted to confine that portion of the cigarette which is located inwardly of the ignited portion thereof for extinguishing combustion of the cigarette when said confined portion begins to burn, the U-shaped member being formed of absorbent material.

2,485,229
WELDING APPARATUS
Ernest Robert Workman, Chicago, Ill.
Application October 10, 1945, Serial No. 621,555
10 Claims. (Cl. 219—4)

1. Welding apparatus comprising a welding transformer having primary and secondary winding means, primary circuit means including the primary winding means of said transformer, a first relay means including timing means and comprising an energizing coil and two pairs of contacts with one of said pairs of contacts being normally closed and in circuit with said primary circuit means, and the other of said pair of contacts being normally open and associated with the energizing coil means of said first relay means and a source of current supply, normally open welding circuit means including the secondary winding means of said transformer adapted to be closed upon engagement of parts to be welded, second relay means including timing means associated with said welding circuit comprising normally open contacts in circuit with the coil of said first relay means and said source of current supply adapted upon closing of said welding circuit to close the normally open contacts of said second relay with a delay action, means whereby the coil of said first relay means is energized to open with a second delay action the normally closed contacts thereof and interrupt said primary circuit means, and close the normally open contacts of said first relay means to maintain said primary circuit means open, and cam switch means in circuit with the normally open contacts and coil means of said first relay means to open the circuit through said last named coil means to effect closing of the normally closed contacts of said first relay means.

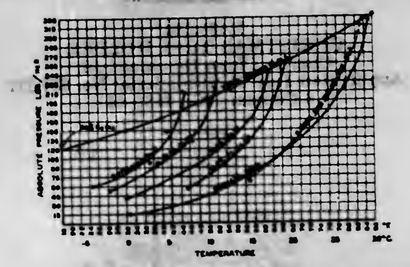


2,485,230
TREATMENT OF NYLON AND OTHER YARNS
Peter Alexander, Henry Burrows, and Philip Dawson Smith, Leicester, England, assignors to Wolsey Limited, Leicester, England
Application August 20, 1946, Serial No. 691,864
In Great Britain June 14, 1946
1 Claim. (Cl. 66—147)



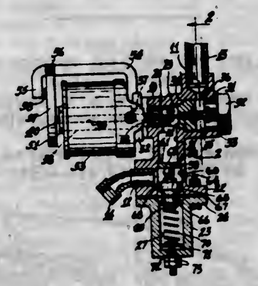
A process for setting or imparting permanence of form to loop formations or the general shape of fabric knitted from thermoplastic yarn in a knitting machine, the process consisting in wetting the yarn prior to the knitting operation, and subjecting the wetted yarn in the vicinity of the knitting needles to heat treatment by a stream of hot air so that the yarn is set in the form in which it is shaped on the needles.

2,485,231
DRILLING WELLS THROUGH FORMATIONS WHICH PRODUCE GAS CONTAINING LARGE AMOUNTS OF HYDROGEN SULFIDE
Donald C. Bond, Northbrook, Nelson B. Russell, Winnetka, and George G. Bernard, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application November 15, 1947, Serial No. 786,312
8 Claims. (Cl. 252—8.55)



1. In the rotary drilling of earth bores through formations which produce gas containing hydrogen sulfide in sufficient amounts to form solid hydrates in the well bore, the step of circulating into and out of the bore during the drilling operation aqueous drilling fluid containing a water soluble freezing point depressor in an amount at least equal to that required to depress the maximum hydrogen sulfide hydrate-forming temperature below the lowest temperature encountered in the well bore.

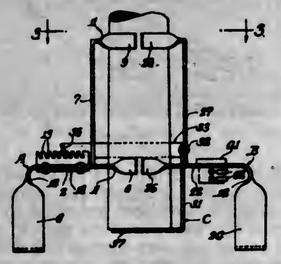
2,485,232
DRAINAGE VALVE SYSTEM
George T. Brown, Somerville, Mass.
Application March 6, 1947, Serial No. 732,902
3 Claims. (Cl. 303—88)



1. Drainage mechanism for a fluid pressure system, comprising, an inlet conduit adapted to be attached to the system so as to be in communication with the interior thereof, an outlet conduit connected with said inlet conduit, a mechanically operable valve and a fluid pressure operable valve connected in series between said inlet and outlet conduits so that said conduits will communicate with each other only upon the opening of both of said valves, said mechanically operable valve being disposed between the other valve and said inlet conduit, spring means for biasing said fluid pressure operable valve to a normally closed position and being calibrated so that its valve will open in response to the force of the fluid pressure within said system when the pressure of said fluid rises above a predetermined value only, means for adjusting said

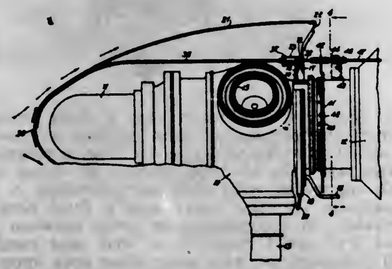
spring so that its valve will be rendered responsive to various predetermined fluid pressure values, electro-magnetic means for shifting said mechanically operable valve to an open position, a manually controlled switch for energizing said electro-magnetic means at the will of an operator, and signal means connected in circuit with said switch so as to be energized in synchronism with said electro-magnetic means.

2,485,233
CHRISTMAS TREE HOLDER
Charles Cima, Riverdale, Ill.
Application July 31, 1946, Serial No. 687,377
6 Claims. (Cl. 248—44)



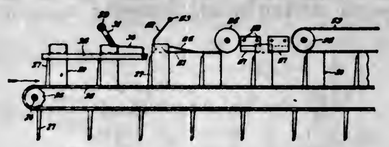
1. A tree holder comprising, a pair of standards formed from sheet metal and the like and including a pair of integrally formed legs, each of said standards having a pair of vertically spaced arms extending in a generally horizontal direction, the top arm of each standard being integral with its standard, each arm of each standard being adapted to engage the trunk of a tree at a place substantially opposite to the corresponding arm of the other standard, and interengageable latching means carried by said standards for interlockingly connecting said standards in tree-trunk clamping relationship.

2,485,234
AIRCRAFT PROPELLER SPINNER ANTI-ICING SYSTEM
George A. Dean, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 19, 1944, Serial No. 532,025
10 Claims. (Cl. 244—134)



7. In an anti-icing system for a propeller having a spinner, means to feed fluid to said propeller including a fluid receptacle on the propeller, centrifugal-force-responsive means to feed fluid from said receptacle to the propeller blades, and independently operable pump means to feed fluid from said receptacle to the exterior surface of said spinner.

2,485,235
METHOD AND APPARATUS FOR CLOSING AND SEALING CARTONS
Paul A. Graf, Western Springs, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application August 17, 1945, Serial No. 610,996
5 Claims. (Cl. 93—36.8)



1. The improved method of closing and sealing one end of a tubular carton having four side walls, and a closure flap integrally joined to each of said side walls along a score line, each of said flaps being defined from adjacent flaps by slits terminating a substantial distance from said score line and by external cut scores extending from the end of said slits substantially to said score line, which comprises the successive steps of outwardly folding that pair of oppositely disposed closure flaps which are to overlie the remaining pair of closure flaps along said score line sufficiently to initiate peeling of an inner layer of material from said first-mentioned pair of flaps, inwardly folding said second-mentioned pair of flaps along said score line substantially into a plane perpendicular to said side walls, applying adhesive to at least some of said flaps including the portions of initiated peeling, and inwardly folding said first mentioned pair of flaps in position overlying said second-mentioned pair of flaps.

4. Apparatus for closing and sealing one end of a tubular carton having four side walls and a closure flap at said end integrally joined to each of said side walls along a hinge line, each of said closure flaps being defined from adjacent flaps by slits terminating a substantial distance from said hinge line and by external cut scores extending from the end of said slits substantially to said hinge line, including means for outwardly folding one oppositely disposed pair of said closure flaps sufficiently to initiate peeling of an inner layer of material from said pair of flaps, means for inwardly folding the second pair of flaps along said hinge line substantially into a plane perpendicular to said side walls, means for applying adhesive to at least some areas of said flaps including the areas of initiated peeling, and means for inwardly folding said first-mentioned pair of flaps in position overlying said second pair of flaps.

2,485,236
PREPARATION OF METHIONINE AND PRECURSORS THEREOF
William F. Gresham and Carl E. Schweitzer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1945, Serial No. 624,328
4 Claims. (Cl. 465—5)

4. The process for the preparation of alpha-amino - gamma - methylthiol - butyronitrile, an intermediate which may be hydrolyzed to form methionine, which comprises bringing alpha-hydroxy-gamma-methylthiol - butyronitrile into intimate contact with ammonia.

2,485,237
SYNTHESIS OF AROMATIC ALDEHYDES
William F. Gresham and Georges E. Tabet, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1946, Serial No. 692,936
14 Claims. (Cl. 260—599)

1. The process for the synthesis of aromatic aldehydes which comprises subjecting a mixture of aromatic hydrocarbon and carbon monoxide to the action of a mixed anhydrous hydrogen fluoride-boron trifluoride catalyst at a temperature of about —80° C. to +50° C. under superatmospheric pressure, and thereafter separating the aromatic aldehyde thus produced from the resulting mixture.

2,485,238
SURFACE FINISHING OF PLASTIC SHEETS
Willard H. Hickok, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application February 25, 1946, Serial No. 650,093
6 Claims. (Cl. 18—56)

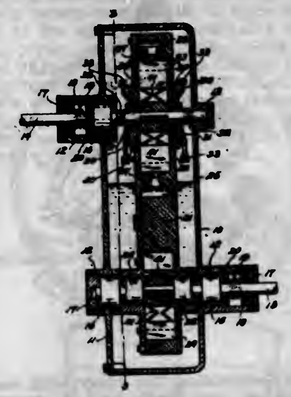


6. The method of producing a desired surface on a thermoplastic sheet which comprises effecting face-to-face contact of the sheet with a caul consisting of dielectric material within which there will be generated heat by application of high-frequency energy thereto and whose surface texture corresponds with that desired for said thermoplastic sheet, said caul having a softening temperature above that at which said thermoplastic sheet softens, generating heat in said thermoplastic sheet by applying thereto a high-frequency electrical field, concurrently generating heat within said caul by application thereto of the same high-frequency electrical field, pressing the sheet and caul together while the associated face of said thermoplastic sheet is soft to impart to the said associated face the texture of the caul surface, and thereafter separating the sheet from the caul.

2,485,239
POLYMERS CONTAINING RECURRING ALDEHYDE GROUPS AND DERIVATIVES THEREOF AND PROCESS FOR PREPARING SAME
Emmette Farr Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1945, Serial No. 581,340
3 Claims. (Cl. 260—67)

1. The polymer obtained by hydrolyzing the interpolymer of allylidene diacetate and vinyl acetate said polymer containing recurring aldehyde and hydroxy groups.

2,485,240
REVERSIBLE VARIABLE-SPEED ROTARY PUMP AND MOTOR HYDRAULIC TRANSMISSION
Carlton L. Jackson, Columbus, Ohio
Application June 10, 1946, Serial No. 675,804
6 Claims. (Cl. 60—53)

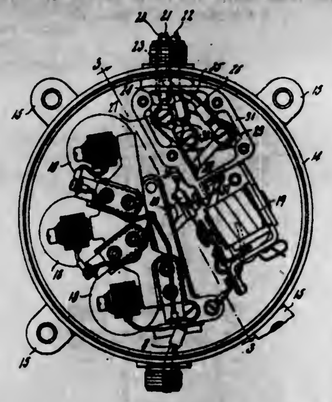


1. An hydraulic power transmitting mechanism comprising a casing formed with a pair of longitudinally spaced and circular fluid-containing chambers, said casing being formed with a pair of independent fluid conducting passages joining said chambers, said passages communicating with the respective chambers at opposite sides thereof, a driving shaft extending within said casing through one of said chambers, a circular driving rotor carried by said driving shaft within one of said chambers, a plurality of radially and outwardly extending spring-pressed blades slidably carried by said rotor for wiping engagement with the walls of the chamber in which said driving rotor is positioned, a driven shaft extending within said casing and through the opposite chamber thereof, a driven rotor carried by said driven shaft for rotation about an axis disposed eccentrically of the opposite chamber of said casing, a plurality of radially and outwardly extending spring-pressed blades slidably carried by said driven rotor for wiping engagement with the walls of the chamber in which said driven rotor is positioned, a circular collar rotatably carried upon said driving shaft and mounted eccentrically thereon adjacent said casing, a second circular collar rotatably carried upon said first collar and mounted eccentrically thereon, said second collar extending through a circular opening formed in the walls of said casing adjacent the first named chamber, and means for imparting simultaneous and opposite limited rotation to said collars, said collars when so rotated serving to pivotally move said casing in a limited arcuate path about said driven shaft.

2,485,241
RADIO-SHIELDED UNIT
Gregor L. Lang, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application April 7, 1945, Serial No. 587,160
3 Claims. (Cl. 123—148)

3. In a unit for connection with the magnetos of an internal combustion engine, a casing, a coil in said casing for connection with each magneto, a relay connected to said coils, terminals in said casing and a lead extending into said casing

from each magneto and connected to its respective terminal, a radio shielded housing in said casing and enclosing said terminals, said relay being adjacent said shielded housing, said housing having a contact extending through the wall



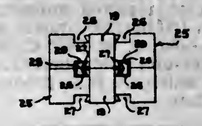
thereof for connecting the relay with each respective set of terminals, and a double-yoke bridging contact externally of said housing and operated by said relay for connecting each of the relay terminals with its respective contact on the relay terminal housing.

2,485,242
FUR STRETCHER
Harvey Theo. Leighton, Big Bend, Wis.
Application August 20, 1946, Serial No. 691,701
1 Claim. (Cl. 45—24)



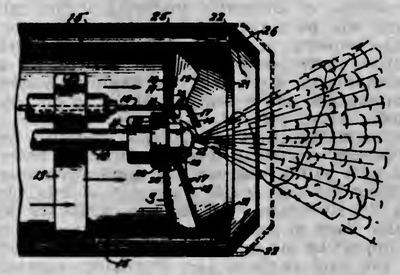
A fur stretcher comprising a pair of spaced parallel side bars formed from resilient material and curved inwardly at one end thereof, a cap pivotally connected to the curved ends of said bars, a rod screw-threaded at one end thereof and disposed intermediately of said bars, the threaded portion of said rod extending slidably through said cap, an adjusting nut positioned on said threaded portion and bearing against said cap, a pair of toggle arms, one end of each of said arms being pivotally connected to one of said bars, the remaining ends of said arms being pivoted to said rod, said bars and said rod being formed with stop lugs engageable with said arms, a detent provided adjacent the remaining end of said rod, a length of chain adjustably engageable with said detent, a pair of links pivotally connected to one end of said chain, and a toothed spring clip provided at the free end of each of said links.

2,485,243
GLASS BRICK
Stanley A. McKuskie, Bronx, N. Y., assignor to DMG Corporation
Application March 30, 1945, Serial No. 585,653
3 Claims. (Cl. 72—107)



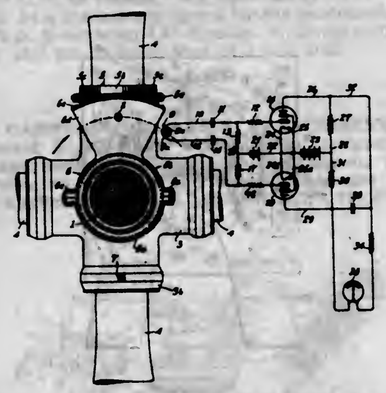
1. Means for connecting together a pair of superimposed bricks having their adjacent faces abutting one another, the bricks having their adjacent faces formed with spaced aligned pairs of under-cut grooves, a keyway member engaged within each of said pair of grooves and having lands on one of their faces arranged complementary to and facing the under-cut portions of said grooves, resilient means urging said keyway members to engage said lands with the undercut portions of said grooves to lock the bricks against movement relative to each other, said keyway member being smaller than said grooves forming mortar spaces between the faces of said keyway members and the adjacent walls of the bricks defining said grooves, and mortar filling said mortar spaces.

2,485,244
ATOMIZING DEVICE FOR OIL BURNERS
William L. Sanborn, Whitefish Bay, Wis., assignor to Sanborn Systems, Inc., a corporation of Wisconsin
Application September 26, 1947, Serial No. 776,233
4 Claims. (Cl. 158—76)



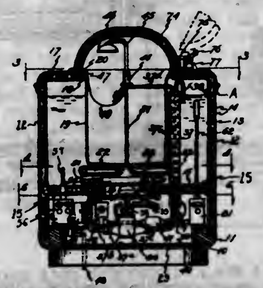
1. In combination with an oil burner of the gun type having an oil feed line terminating in a nozzle with an air tube telescoped thereover, a swirler comprising a hub mounted on and secured to the oil feed line immediately to the rear of the nozzle, a plurality of radial vanes mounted on the hub and angularly disposed relative to a plane normal to the axis of the hub, and means adjacent to the hub for directing a portion of the air passing through the swirler radially inwardly to converge upon the axis of the hub to thereby provide a stable burner flame close to the nozzle and sweep over the nozzle to keep it clean, said means including a plurality of slots extending circumferentially about the hub and defined at their outer margins by the angularly disposed vanes.

2,485,245
CONTROL SYSTEM
Joseph E. Schoenbaum, Roseland, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 7, 1944, Serial No. 543,946
10 Claims. (Cl. 170—160.22)



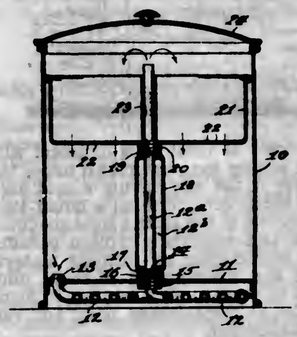
9. In a propeller pitch indicating system, a propeller shaft extending from a housing, a hub on the shaft, variable pitch propeller blades journalled in said hub for pitch change, control members rotatable with the propeller and movable relative to each other on the propeller hub in accordance with pitch angle changes in the propeller blades, means energized by one of said control members for a part of each revolution of the propeller, means energized by another of said control members for the remaining part of each revolution of the propeller, and means to indicate the difference in average energization of said first and second means.

2,485,246
COFFEE-MAKING APPARATUS AND AUTOMATIC CONTROL MEANS THEREFOR
Donald F. Swanson, Chicago, Ill.
Application June 2, 1944, Serial No. 538,480
6 Claims. (Cl. 99—283)



1. In a coffee making apparatus, means providing a water reservoir, means providing a coffee making chamber, means for heating the water, means for withdrawing a measured quantity of water from the upper part of the reservoir and discharging it into said chamber; said last mentioned means including pipeage, a normally closed solenoid operated valve in said pipeage, an electrical circuit for energizing said solenoid to open the valve, said circuit including a temperature responsive control switch which holds the circuit open until the temperature of the water in the reservoir reaches a predetermined degree, a holding switch; a flow meter in said pipeage having a rotatable part carrying a cam acting against said holding switch to close it on initiation of water flow through said meter and to maintain it closed until a predetermined amount of water has passed through, whereupon the cam causes said switch to open to break the circuit to the solenoid of said valve to close said pipeage; and said circuit including a by pass around said holding switch having a push button starting switch in it, construction being such that the circuit to the solenoid can not be completed unless the water temperature is sufficiently high to close the circuit through the temperature responsive switch.

2,485,247
COFFEE PERCOLATOR
Albert G. Wahl, Los Angeles, Calif.
Application June 2, 1947, Serial No. 751,930
1 Claim. (Cl. 103—231.5)

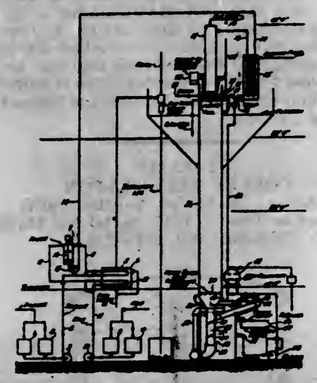


In a coffee percolator, a container, a coiled tube disposed below and secured to the bottom of said container, the outer end of which tube communicates with the interior of said container, a tube extending upwardly into said container from the inner end of said coiled tube, heat insulating means comprising a shell surrounding and spaced apart from the lower portion of said upwardly extending tube, portions of the tube extending upwardly from the center of the coiled tube being threaded above and below said shell, a nut and packing ring on the threaded portion of said upwardly extending tube above said shell, a nut and packing ring on the threaded portion of said tube below said shell which last mentioned nut bears on top of the bottom of said container and a nut on the threaded portion of said tube below said shell and bearing on the under face of said container.

2,485,248
PRESSURE SENSITIVE ADHESIVES
Frederick K. Watson and Paul Arthur, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 14, 1945, Serial No. 605,184
6 Claims. (Cl. 117—122)

1. A pressure-sensitive adhesive sheet comprising a flexible backing having one side thereof coated with an ethylene/vinyl acetate copolymer in which the mole ratio of ethylene to vinyl acetate is within the range of 2:1 to 4:1 said copolymer having admixed therewith about 0.05 to 0.25 part by weight of octadecandiol diacetate as a tackifier, per part of the said copolymer.

2,485,249
PROCESS AND APPARATUS FOR MANUFACTURING GELS
Horace M. Weir, Wynnewood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application February 19, 1944, Serial No. 523,163
3 Claims. (Cl. 23—183)



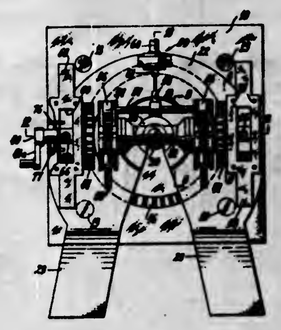
1. A process of forming a hydrogel within an elongated gelling zone having an upper inlet end and a lower outlet end having a grid associated therewith comprising forming a liquid-tight plug in the lower end of the gelling zone about said grid by cooling and solidifying molten paraffin, subsequently introducing gel-forming material into said zone and maintaining it there under the constraint of said liquid-tight plug to form a gel, melting the aforementioned plug, and removing the gel thus formed.

2,485,250
TREATMENT OF WOOL AND THE LIKE
Peter Alexander and James William Bell, Leicester, England, assignors to Wolsey Limited, Leicester, England, a British company
No Drawing. Application March 26, 1947, Serial No. 737,404. In Great Britain April 29, 1946
4 Claims (Cl. 8—115.6)

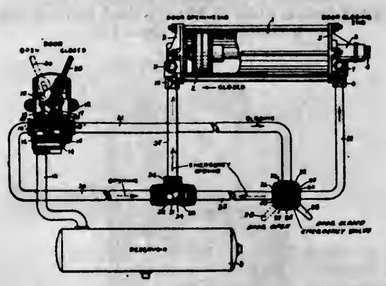
1. A process for the treatment of woollen material which comprises treating woollen material with a solution of methylol urea containing at least 25% of methylol urea, squeezing the treated material, drying the squeezed material, curing the dried material at a temperature of between 80° C. and 135° C. for between about one and five minutes, treating the cured material with a solution of a strong mineral acid to polymerize the methylol urea, squeezing the thus treated material, rinsing the squeezed material, drying the rinsed material and curing the dried material at a temperature of between 90° C. and 135° C. for between about one and five minutes.

2,485,251
JACKKNIFE PROOF SWIVEL COUPLING FOR TRACTOR-TRAILER UNITS
Harry Alger, Middletown, N. Y.; Anna H. Adams administratrix of said Harry Alger, deceased
Application October 25, 1946, Serial No. 705,676
6 Claims. (Cl. 280—33.05)

1. In combination with a trailer and a tractor, a swivel having a part thereof on said trailer and the remaining part thereof on said tractor thereby pivotally connecting said tractor with said trailer, and releasable means for rigidly interlocking said parts of said swivel to restrain said trailer and tractor from pivotal movement with respect to each other, said means comprising a horizontal annular rack on said trailer part of said swivel, said tractor part of said swivel having a horizontal shaft thereon having spaced gears rotatably mounted on the shaft, the distance between said gears being equal to the diameter of said rack, means for moving said shaft toward or away from said trailer part of said swivel to mesh or disengage, respectively, said gears with said rack, and means for locking said gears against rotation.



2,485,252
DOOR OPERATING FLUID MOTOR SYSTEM
John R. Almond, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1945, Serial No. 624,133
6 Claims. (Cl. 121—44)

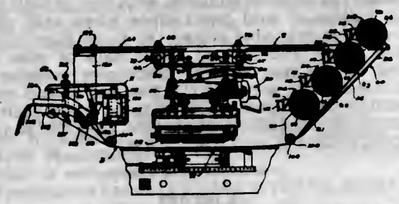


6. A bus door operating system comprising a cylinder, a double acting piston therein, a control valve, a double acting check valve, an emergency valve, a conduit connecting said control valve through said check valve with the door opening end of the cylinder, a conduit connecting said control valve through said emergency valve with the door closing end of said cylinder and a conduit connecting said emergency valve with said check valve, said last named conduit serving, when the emergency valve is actuated, to divert fluid pressure from said emergency valve into said check valve for opening the door.

2,485,253
BILE ACID AMIDES OF DIAMINODIPHENYL-SULFONE
Arpad Berczeller, New York, N. Y.
No Drawing. Application July 23, 1946, Serial No. 685,767
10 Claims. (Cl. 260—397.1)

2. As a therapeutic agent having bacteriostatic action, N-acylated 4,4'-diamino diphenyl sulfone, the acyl group being that of a bile acid.

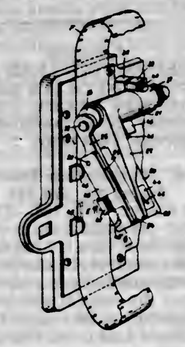
2,485,254
CARBON RIBBON FEED ATTACHMENT
Donald B. Brewster, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application April 30, 1947, Serial No. 744,977
2 Claims. (Cl. 271—2.1)



1. In a carbon ribbon feed attachment for use on a printing machine that has a rigid printing arm extending over and in upwardly spaced relation to the printing position of the machine, said attachment comprising a mounting shelf adapted to be secured in fixed position on the rigid printing arm of such a machine, a horizontal support bar mounted on said mounting shelf for limited adjusting movement in a horizontal plane, a reel support mounted in depending relation from one end of said bar and affording means for supporting one or more carbon ribbon reels, a ribbon guide roller mounted on the lower end of said reel support, a feed unit mounted on the other end of said bar in depending relation and having a second ribbon guide roller mounted at the lower end thereof, a pair of serrated feed rolls rotatably mounted on said feed unit for rotation in normally meshed relation for drawing carbon ribbon from one or more of said reels and past said guide rollers, a ratchet wheel fixed to one of said feed rolls, a shiftably mounted pawl operatively related to said ratchet wheel for imparting rotation thereto, spring means urging said pawl to an initial position, and actuating means mounted on said feed unit for actuating said pawl against said spring means to impart rotation to said rolls.

2,485,255
PRESSER AND FEEDING CLAW UNIT FOR MOVING-PICTURE APPARATUS
Jacques Jean Broido, Joinville-le-Pont, France
Application August 17, 1945, Serial No. 611,154
In France March 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1963
3 Claims. (Cl. 88—18.4)

1. A presser and feeding claw unit for moving picture apparatus, comprising a presser having a transverse bore and a slot opening on the operative surface thereof, a claw movable in and guided by the side walls of said slot, crank means operatively connected to said claw, a shaft for said crank means extending through said bore, a driving pinion keyed to said shaft, and a bushing for supporting a portion of said shaft and adapted to be secured to the camera body.



2,485,256
MANUFACTURE OF QUATERNARY NITROGEN COMPOUNDS
Aart Buurman, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application September 10, 1946, Serial No. 696,032. In Germany February 28, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 28, 1961
6 Claims. (Cl. 260—290)

1. A process for the preparation of higher molecular quaternary pyridinium chlorides and homologues thereof which comprises mixing, as initial reactants, an alkyl chloride having at least eight carbon atoms and a heterocyclic tertiary amine, in an autoclave containing at least 20% water based on the total weight of the mixture, and heating this aqueous mixture, consisting essentially of said reactants, to an elevated temperature and under an increased pressure to effect a direct reaction between the chloride and amine, and finally purifying the reaction product.

2,485,257
CLOTHES STRETCHER
William E. Caldwell, Greenfield, Mass., assignor to Carman & Co. Inc., New York, N. Y., a corporation of New York
Application February 26, 1947, Serial No. 730,892
2 Claims. (Cl. 223—72)



1. A garment stretcher comprising a pair of arcuate arms arranged in generally parallel relationship, snap action means including a pair of bowed springs connected at their central portions to the respective arms and hingedly connected together at their ends, said snap action means being cooperable to hold said arms in spaced parallel relationship and alternatively in collapsed position in close proximity and means including a notch formed in one of the arms in a position to be engaged by the hinged connection at one end of the springs for causing the stretcher to

assume its extended position upon squeezing one end of the arms together when in collapsed position.

2,485,258
ELECTRODEPOSITING LEAD ON COPPER FROM A NITRATE BATH
Thomas S. Chambers, Newark, and Ober C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 3, 1944, Serial No. 516,844
1 Claim. (Cl. 204—53)

A process for preparing cathodes suitable for the electrolytic reduction of organic compounds which comprises electrolytically depositing a thin film of lead weighing between about 0.02 and 0.5 gram per square dm. on copper from an aqueous electrolyte consisting essentially of 100 grams per liter of lead nitrate and from 1 to about 20 grams per liter of cupric nitrate at a current density of about one ampere per square dm.

2,485,259
ACOUSTICAL PLASTER AND METHOD OF MAKING
Willard L. Chrisler, Kenmore, N. Y., assignor to National Gypsum Company, Buffalo, N. Y.
No Drawing. Application November 29, 1946, Serial No. 712,661
2 Claims. (Cl. 106—114)

1. The method of increasing the working range of an acoustical plaster containing a porous aggregate and a water-setting calcined gypsum which comprises adding thereto at least about 0.1% of a gum selected from the group of natural gums consisting of locust bean and ghatti based on the weight of the dry mix.

2,485,260
HYDROCARBON CONVERSION IN PRESENCE OF SILICA-MAGNESIA CATALYST
Gerald C. Connolly, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 17, 1944, Serial No. 563,973
6 Claims. (Cl. 196—52)

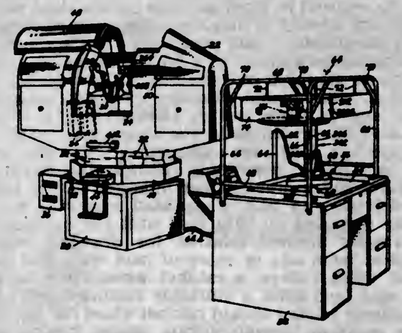
1. The process of converting hydrocarbon oils wherein said oils are contacted at conversion temperatures with a catalyst consisting essentially of active magnesia and active silica containing more than 15% and less than 30% of magnesia prepared by intimately mixing finely divided magnesia with silica hydrogel and thereafter drying and igniting the resulting mixture.

2,485,261
COMBINED TIME RECORD AND PAYROLL ENVELOPE
Lawrence F. Cravens, New York, N. Y.
Application December 7, 1945, Serial No. 633,340
1 Claim. (Cl. 282—25)



A combination payroll and time record envelope, comprising a front piece of a relatively stiff piece of material imprinted on its front face adjacent one end with a payroll record indicia, a backing member of a piece of paper extended along the back face of said front piece and secured along three sides to three sides of said front piece and having its fourth side free forming an opening, said free fourth side of said backing member being located at the end of said front piece remote from said payroll record indicia, said backing member having its free fourth side continuing into a cover member arranged to be folded into a superimposed position on the front face of said front piece, a line of perforations extended laterally across said cover member closely adjacent its folded edge dividing off a flap for closing said opening when the major portion of said cover member is torn off along said line of perforations, glue applied to the inner face of said flap, said cover member being imprinted adjacent its free end with a payroll record indicia at a location to exactly coincide with the payroll record indicia of said front piece when said cover member is extended across the front face of said front piece, and several small dabs of glue applied to the rear face of said cover member at its free end for securing the free end of said cover member in position on said front piece with its payroll record indicia in position over the payroll record indicia of said front piece.

2,485,262
RADIO NAVIGATION TRAINING DEVICE
George Alton Decker, Fenton, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application July 27, 1946, Serial No. 686,605
3 Claims. (Cl. 35—10)



1. A rotating radio beacon simulator for use in conjunction with a grounded aviation trainer comprising, in combination, a rotatable vertical shaft, a pair of cams mounted upon said shaft for rotation therewith, two switches each having at least two terminals and each arranged to be operated by a different one of said cams, a signal generator, a connection from said generator to one terminal of each of said two switches, a third switch and a transmitting antenna, said transmitting antenna being carried by said shaft for rotation therewith, said third switch having two stationary contacts and a movable contact for alternately engaging either of the stationary contacts, a connection from the other terminal of one of said two switches to one of the stationary contacts of said third switch and a connection from the other terminal of the other of said two switches to the other stationary contact of said third switch, a connection from the movable contact of said third switch to said antenna, and

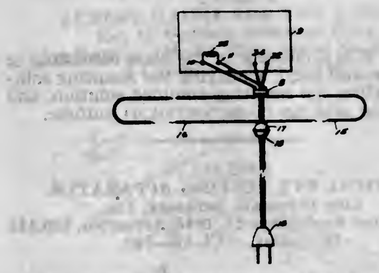
means operated by the rotation of said vertical shaft for alternately engaging the movable contact of said third switch with its two stationary contacts.

2,485,263
ADJUSTABLE BLIND FOR WINDOWS
Calvin A. Digby, Atlanta, Ga.
Application July 8, 1946, Serial No. 682,054
5 Claims. (Cl. 20—62)



1. In an adjustable blind for windows of the type comprising standards adapted to be secured to a window, a plurality of arms connected to the standards at spaced intervals and slats supported by the arms, characterized by the fact that the slats are resilient and the free portions of the arms are provided with means for receiving and holding said slats in arcuate flexed shape.

2,485,264
ANTENNA FOR SIGNAL RECEIVERS
John R. Ebbeler, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application January 5, 1949, Serial No. 69,329
5 Claims. (Cl. 250—33)

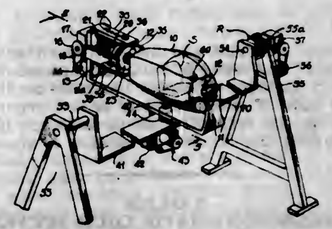


1. In an FM radio receiver of the type including an antenna input circuit and a power cord having an external length approximately equal to one-half of the signal wave-length at the center of the FM band, an antenna comprising a physically folded flexible full-wave conductor adapted to be coupled to said circuit, means for securing the leads of said conductor to said cord at a point adjacent said receiver, and a slider mounted on said cord and secured to the folded end of said conductor remote from said leads, said slider being so adjustable on said cord that the conductor may be spread into two half-wave portions constituting a "folded dipole" or restrained into parallelism with said cord.

2,485,265
PROCESS FOR THE SEPARATION OF TRIISOBUTYLENE ISOMERS
Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,602
15 Claims. (Cl. 260—677)

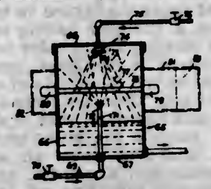
1. A process for the separation of the isomers of triisobutylene having a double bond attached to the second carbon atom in the longest chain from the isomers of triisobutylene having a double bond attached to the fourth carbon atom in the longest chain which comprises adding hydrogen chloride to a mixture of said isomers whereby the hydrogen chloride reacts with the isomers having a double bond attached to the second carbon atom in the longest chain to form triisobutylene chlorides, distilling the reaction mixture to separate the unreacted isomers of triisobutylene containing the double bond attached to the fourth carbon atom in the longest chain, dehydrochlorinating the triisobutylene chlorides and regenerating the triisobutylene isomers containing the double bond attached to the second carbon atom in the longest chain.

2,485,266
TRAINING APPARATUS
Murray W. Edinburg, Worcester, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application July 14, 1944, Serial No. 544,870
14 Claims. (Cl. 35—12)



1. In a grounded aviation trainer, a cockpit, electric motor means for rotating said cockpit about a predetermined axis, a stick and a rudder bar for said cockpit, an electric circuit between said stick and said motor means and also between said rudder bar and said motor means whereby electric current is fed to said motor means under the control of said stick and said rudder bar.

2,485,267
APPARATUS FOR STERILIZING LIQUIDS BY IRRADIATING MEANS
George G. Ellner, Long Island, N. Y.
Application August 2, 1945, Serial No. 608,499
7 Claims. (Cl. 250—43)



4. In a ray-emission device for irradiating liquids, in combination, a receptacle, a source of ultra-violet rays in said receptacle, and a plurality of spray nozzles having outlets arranged so that streams of liquid discharged, respectively, by said nozzles will substantially entirely impinge upon one another whereby the degree of atomization of the liquid exposed to said rays will be increased.

2,485,268
RESILIENT INSERT STRIP FOR DROP SEAT GARMENTS
Emanuel Eschelbacher, New York, N. Y.
Application June 23, 1947, Serial No. 756,395
1 Claim. (Cl. 2—78)

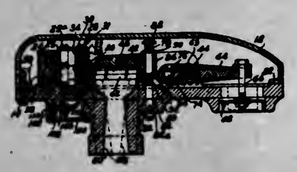
A drop seat for a garment having a horizontal insert of elastic material set into the seat at a

point slightly below the top edge thereof, horizontally spaced vertical tapes of non-elastic material extended across the elastic insert, stitches securing one of the ends of each of said tapes to the adjacent edge of the insert, a single fastener element mounted on the edge of the insert opposite the edge to which the said one end of said



tapes are attached and beneath the free end of each tape, and a line of vertically spaced complementary fastener elements mounted on the free end of each of said tapes and selectively engageable with the respective single fastener element for limiting the vertical stretching of the elastic insert.

2,485,269
ELECTROPNEUMATIC LOUD-SPEAKER
Joseph L. Fodor, South Norwalk, Conn.
Application January 29, 1946, Serial No. 644,148
13 Claims. (Cl. 179—108)



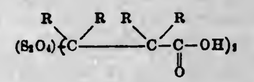
8. In a loud speaker adapted to reproduce and amplify sound, a chamber having an arm pivotally mounted therein, a grid valve carried by said arm on one side of its said pivot, means connected to said arm on the other side of said pivot for balancing said arm when a stream of air is passing through said chamber, said chamber having an air outlet passage the inner end of which is aligned with said grid valve, an air inlet passage surrounding said air outlet, and means for vibrating said arm including an armature projecting from said arm at a point remote from said pivot thereby simultaneously vibrating said grid valve and causing modulation of an air stream passing through said chamber.

2,485,270
POLYMERIZATION OF CHLOROETHYLENE COMPOUNDS IN AQUEOUS EMULSION IN THE PRESENCE OF AMINO-ALCOHOLS
Vernon L. Folt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 12, 1947, Serial No. 754,260
7 Claims. (Cl. 260—92.8)

1. The method which comprises polymerizing a monomeric material comprising predominantly a chloroethylene having from one to two chlorine atoms on one only of the carbon atoms, and having only hydrogen atoms attached to the remaining valences of the ethylenic carbon atoms, in aqueous emulsion in the presence of an aliphatic amino-substituted alcohol of the structure $NH_2—R—(OH)_n$ wherein R is an aliphatic hydrocarbon radical containing from 2 to 6 carbon atoms and n is an integer from 1 to 3.

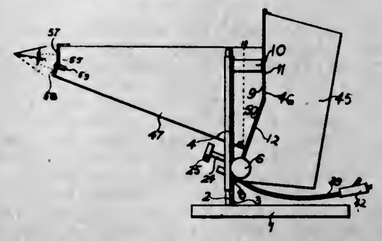
2,485,271
PREPARATION OF BIS-(2-CARBOXYALKYL) SULFONES
Marvin R. Frederick, Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1948, Serial No. 51,310
8 Claims. (Cl. 260—537)

1. The method of preparing a bis-(2-carboxyalkyl) sulfone which comprises bringing together a saturated aliphatic beta-lactone with a solution of a water-soluble hyposulfite in a polar solvent, whereby to form a solution of a salt of an acid of the formula



wherein R is a member of the class consisting of hydrogen and alkyl, acidifying the resulting solution, heating the resulting acidified solution, and recovering said bis-(2-carboxyalkyl) sulfone.

2,485,272
OPTICAL EYE TESTING APPARATUS
Ellis Freeman, Sarasota, Fla.
Application September 25, 1946, Serial No. 699,113
16 Claims. (Cl. 88—20)

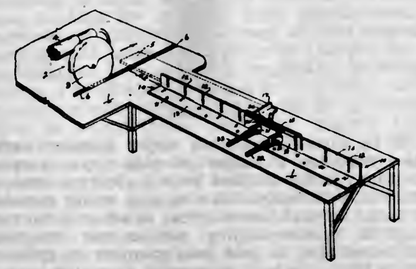


1. An eye-testing apparatus comprising target carrier means, targets carried thereby and bearing target test-units thereon, said carrier means being rotatably mounted to rotate the targets therewith and move the target test-units successively to viewing position; means for moving target test units to one position for distant vision and to a different position for near vision, means for illuminating the target test-units to be viewed, means governed by the target carrier means for changing said illumination to the near vision position after the viewing of the distant vision target test-units is completed, by the rotation of the near vision target test-units into viewing position; and an eye-piece mounted at the front of the apparatus at an actual and substantially equal physical distance from the target test units to enable viewing of the near vision target test units at natural reading distance and embodying in the same eye-piece different viewing means for respectively the near vision target test-units and the distant vision target test-units, the means for the near vision target test-units being base-out prisms without any plus lens power, and the means for viewing the distance vision target test-units being plus lenses without prism power, of a plus power to optically project the image to appear at infinity, the said eye-piece being formed with separate sections through which the eyes of an observer may without changing his position or that of the eye-piece, view whichever target test-units are illuminated at the viewing moment.

2,485,273
COPOLYMER OF BUTADIENE-1,3 AND ALPHA METHYL PARA METHYL-STYRENE
Per K. Frolich and Erving Arundale, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 4, 1948, Serial No. 13,094
3 Claims. (Cl. 260—83.7)

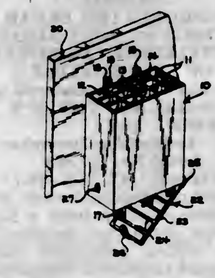
1. A rubber-like material comprising the emulsion polymerization product of about 26 parts by weight of para methyl alpha methyl styrene and about 74 parts by weight of butadiene-1,3.

2,485,274
CUTOFF GAUGE FOR SAW TABLES
Roy G. Garrett, Edmond, Okla.
Application July 25, 1945, Serial No. 606,921
3 Claims. (Cl. 143—174)



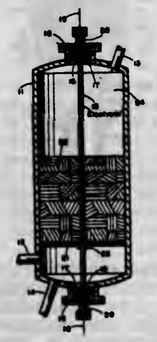
1. In a device of the class described, the combination with a table having a cut-off saw movable in a slot thereacross, of: an elongated vertically projecting work-guiding flange fixed to the table top, and lying at right angles to said slot at one side of said saw; a series of spaced notches cut downwardly into the upper edge of said flange, said notches lying a measured distance apart; an elongated plate slidable on the table along one side face of the flange, said plate having a longitudinal through slot extending throughout the major portion of its length; a vertical abutment fixed to the plate and projecting therefrom in parallel relation to said saw slot; an elongated clamping member extending along the opposite side face of said flange; spaced lateral projections carried by the clamping member and movable laterally with relation thereto, said projections adapted to extend through said notches and through the slot in said plate; an enlargement on the end of each projection to prevent its withdrawal through the plate slot; and a cam for moving each projection, so as to clamp the plate and the clamping member to the flange.

2,485,275
CLOTHESPIN RACK
Samuel Geller, Brooklyn, N. Y.
Application November 2, 1945, Serial No. 626,206
4 Claims. (Cl. 312—42)



1. A clothespin rack comprising in combination a plurality of compartments defined to permit lengthwise vertical passage of clothespins therethrough, and spring members yieldingly restraining downward passage of such clothespins, said spring members being attached to the walls of said individual compartments near the lower end of said compartments and extending substantially horizontally therefrom and means for attaching said rack to a wall, said clothespin rack also including locking means for said clothespins in said rack, said locking means comprising a set of parallel bars in a frame for engaging between the prongs of the lowermost clothespins in said rack.

2,485,276
METHOD FOR INHIBITING CORROSION CAUSED BY LIQUID ALUMINUM HALIDE CATALYSTS
Otto Gerbes, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 23, 1944, Serial No. 555,483
4 Claims. (Cl. 260—683.5)



1. In a catalytic hydrocarbon conversion process employing an electrically conductive organic complex of an aluminum halide, hydrogen halide and a hydrocarbon in a ferrous metal reaction vessel corrodible by said complex, the step of passing a direct electrical current having a current density in the range between 0.001 and 0.05 ampere per square foot of cathode surface from an electrical conducting means as an anode with-

in said reaction vessel in physical contact with the aluminum halide complex through said complex to the walls of the reaction vessel as a cathode.

2,485,277
METHOD OF PRODUCING CLEAR, BUBBLE-FREE CASTINGS BY POLYMERIZING MONOMERIC VINYLIDENE COMPOUNDS IN THE PRESENCE OF NITRIC OXIDE

Harry Gilbert, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 21, 1946, Serial No. 717,805
10 Claims. (Cl. 260—88.7)

1. The method of producing clear, smooth-surfaced, bubble-free castings from a liquid monomeric vinylidene compound polymerizable to a solid polymer which comprises incorporating nitric oxide in said vinylidene compound, shaping said nitric-oxide containing vinylidene compound and then heating the nitric oxide containing vinylidene compound to a temperature below its boiling point.

2,485,278
HAND MICROPHONE AND SWITCH

Webster E. Gilman, River Forest, and Raymond C. Bierman, Clarendon Hills, Ill., assignors to Permoflux Corporation, Chicago, Ill., a corporation of Illinois

Application March 31, 1945, Serial No. 585,910
11 Claims. (Cl. 179—121)



5. In a hand-held microphone device, an elongated sectional casing comprising matched sections separable along a longitudinally extended plane of separation, said sections having opposed recesses formed therein to open through the matched faces thereof to afford a mounting chamber, a microphone unit mounted at one end of said casing, switch means mounted in the cavity in one of said sections and operatively connected to said microphone unit for governing operation thereof, and a switch operating element movably mounted on the other of said sections in position to be operatively related to said switch means as an incident to the positioning of said sections in matched opposing relationship.

2,485,279
PREPARATION OF EXTRACTS FROM CITRUS FRUIT PEEL

Otto Isidor Giniewski, Jerusalem, Palestine, assignor of one-half to Maxime Piha, Talbieh-Jerusalem, Palestine

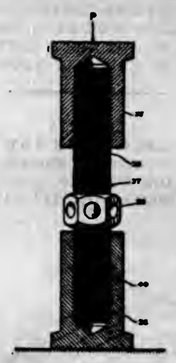
No Drawing. Application November 4, 1946, Serial No. 707,755. In Palestine March 22, 1946
16 Claims. (Cl. 99—22)

1. A process of preparing from citrus fruit peel a honey-like syrup containing the natural sugar and vitamins of the peel, comprising subjecting the peel to a heat treatment by warming it quickly and for a short time up to from 80° to 100° C., obtaining from the peel an aqueous liquor, and concentrating said liquor.

2,485,280
DIFFERENTIAL SCREW JACK

John F. Grace, Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application January 16, 1947, Serial No. 722,423
10 Claims. (Cl. 254—98)



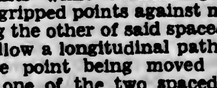
9. In a screw jack, an upper member and a base member, a flange on said upper member to adapt it for contact with a yielding load, an internally threaded bore in said upper member, a flange on said base member to adapt it for contact to a non-yielding surface, an internally threaded bore in said base member of different pitch than the said internally threaded bore of the upper member but threaded in the same direction, a threaded bolt member connected at one end to said internally threaded bore of said upper member and at the other end to said internally threaded bore of said base member and having a central portion to receive torque, said threaded bolt member and said internally threaded bores constructed and arranged so that on rotation of said threaded member the threaded member will move inward of one internally threaded bore and outward of the other internally threaded bore moving the upper member in an axial direction dependent on the direction of the rotative force.

2,485,281
PLASTICIZED RESIN COMPOSITIONS

James T. Gregory, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 18, 1947, Serial No. 755,475
7 Claims. (Cl. 260—31.8)

1. A plasticized resin composition comprising a thermoplastic polymer of a vinyl halide and, as a plasticizer therefor, an ester of the formula

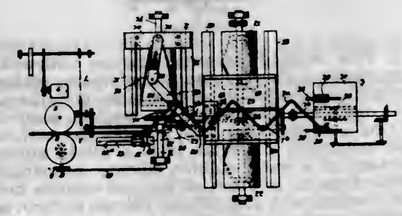


wherein R is the organic radical of a monohydric alcohol.

2,485,282
PROCESS FOR THE MANUFACTURE OF ZIGZAG METAL ELEMENTS

Douglas Harold Green, London, England

Application October 12, 1944, Serial No. 558,311
In Great Britain July 29, 1943
4 Claims. (Cl. 153—20)



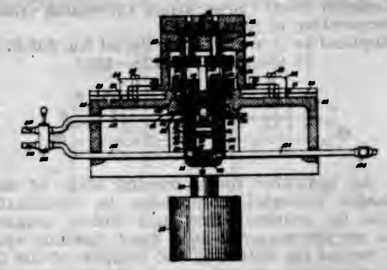
3. The method of shaping continuous zig-zag lattice elements from rod or bar stock for use in the manufacture of structural members, which consists in feeding the stock longitudinally in a succession of steps, and in the intervals between steps, bending the stock at three points simultaneously by gripping the stock at two spaced points distant from one another by a length corresponding to the sum of the lengths of the arms forming a bend of the zig-zag to be formed and applying pressure to a further point on the stock which is intermediate said two spaced and gripped points while restraining one of said spaced and gripped points against movement and constraining the other of said spaced and gripped points to follow a longitudinal path, said further intermediate point being moved over an arc about that one of the two spaced and gripped points which is restrained against movement, the radius of said arc being equal to the length of an arm of the required zig-zag and the length of said arc being such that a complete bend is executed at said further intermediate point and partial bends are executed at said two spaced and gripped points in each successive interval between the stock feeding steps.

2,485,283
EJECTOR MECHANISM FOR MOLDING MACHINES

John D. Guelph, Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y., a corporation of New York

Application January 30, 1947, Serial No. 725,381
5 Claims. (Cl. 18—16)

1. A molding machine comprising a pair of platens, a die member carried by each of said platens, means to move one of said platens relative to the other, a pair of concentric cylinders carried by the movable platen and spaced radially to form an annular chamber therebetween, an annular piston disposed in said chamber and slidable between said cylinders, a second piston slidably disposed in the inner cylinder, an ejector plate directly seated on one of said pistons, a core plate directly secured to the other of said

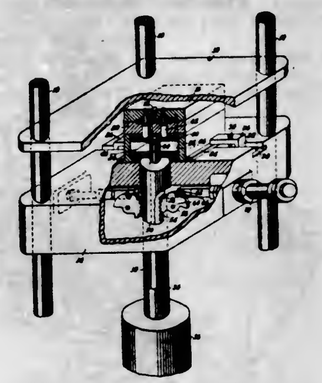


pistons, and means to actuate each of said pistons independently of the other.

2,485,284
STRIPPER

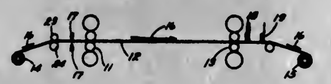
John D. Guelph, Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y., a corporation of New York

Application January 30, 1947, Serial No. 725,382
10 Claims. (Cl. 18—16)



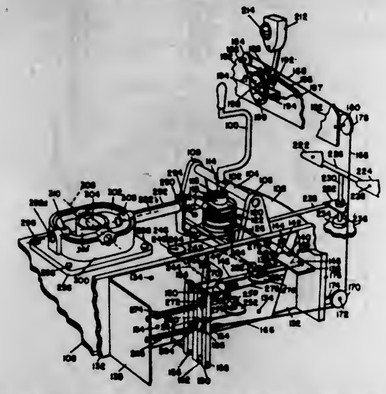
7. A molding machine comprising a pair of platens, a die member carried by each of said platens, means to move one of said platens toward and away from the other, an ejector plate carried by said movable platen, an ejector plate plunger on which said ejector plate is positioned, a hollow core plate plunger in which said ejector plate plunger is slidably mounted and on which said core plate is positioned, a rack on said ejector plate plunger, a rack on said core plate plunger, a rotatable disc having a gear segment in cooperative relationship with said ejector plate plunger rack, a rotatable disc having a gear segment in cooperative relationship with said core plate plunger rack, each of said discs having a cut-out, a pair of rollers, each roller being adapted to move in a straight line path in either direction and engage one of said cut-outs, and means to move each roller independently of each other and the movement of said movable platen whereby during engagement of a roller by a cut-out the respective disc will be rotated in a direction in accordance with the direction of movement of said roller and the respective rack moved up or down.

2,485,285
STRIP ELONGATION INDICATOR
Kenneth W. Harris, Warren, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application June 29, 1945, Serial No. 602,374
10 Claims. (Cl. 175—183)



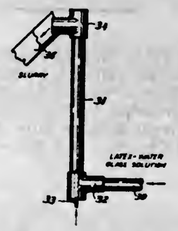
1. An indicator for a moving strip of magnetizable material, comprising in combination means for marking first and second magnetic spots on the material at a fixed distance apart, first means for detecting the location of the first magnetic spot, second means for detecting the location of the second magnetic spot, and means responsive to the phase relationship between responses of said first and second detecting means.

2,485,286
INCLINOMETER AND COMPASS INDICATING MEANS FOR GROUNDED AVIATION TRAINERS
Stanley I. Hayes, Binghamton, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application January 2, 1948, Serial No. 327
3 Claims. (Cl. 35—12)



1. In a grounded aviation trainer of the type having a fuselage mounted upon a universal joint for banking in simulation of the banking of a real plane in actual flight, and an instrument panel in said fuselage, the combination of an inclinometer tube and ball therein rotatably mounted near said panel, a differential device having an output member connected to said inclinometer tube for rotatably positioning the same, a first manual control in said trainer simulating the banking control of a real plane, a left and a right rudder pedal in said fuselage simulating the rudder pedals of a real plane, a connection between said first manual control and said differential device and a connection between said rudder pedals and said differential device for operating said output member to position said inclinometer tube in accordance with the combined positions of said first manual control and said rudder pedals, and means responsive to the banking of said fuselage connected to said differential device for rotating said tube clockwise in response to a banking to the left of said fuselage and counterclockwise in response to a banking to the right of said fuselage.

2,485,287
METHOD OF ASSOCIATING PLASTIC MATERIALS AND COMPOUNDING INGREDIENTS
Robert T. Henson and George L. Wheelock, Akron, Ohio, and Lester H. Riggs, Maywood, Ill., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 6, 1946, Serial No. 708,166
7 Claims. (Cl. 260—41)

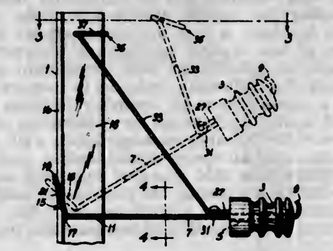


2. The method of preparing a composition comprising a plastic organic polymeric material containing a solid water-insoluble metallic silicate dispersed therein, which method comprises mixing a dilute coagulable aqueous dispersion of said polymeric material with a dilute aqueous solution of a water-soluble silicate, preparing a dilute aqueous solution of a water-soluble metal salt reactive with said soluble silicate to form said insoluble metallic silicate and capable of coagulating said dispersion, said metal salt being supplied in excess of the amount required to react with said soluble silicate so as to insure coagulation of said dispersion, simultaneously introducing a separate stream of said silicate-containing dispersion and a separate stream of said metal salt solution to a reaction zone at separated points therein, the concentration of said soluble silicate, said metal salt and said polymeric material in said streams being sufficient to produce a final slurry of from 1 to 6% by weight total solids, allowing said separate streams to form themselves into separate and distinct layers in said reaction zone, flowing said separate layers through said zone in contact one with the other without substantial turbulent intermingling of same, effecting contact between said soluble silicate and said metal salt contained in said streams for the first time during said flow by diffusional migration thereof from one stream to the other to effect precipitation of said insoluble silicate in the form of particles below .05 micron in diameter, effecting contact between said dispersed polymeric material and said metal salt contained in said streams for the first time during said flow by diffusional migration thereof from one stream to the other to effect coagulation of said polymeric material about said particles of insoluble silicate to form a crumb-like product containing said particles uniformly and intimately dispersed in said polymeric material, and removing said product from the reaction zone at a point remote from the points of entrance of said separate streams.

2,485,288
INSULATOR SUPPORT
Clifford Homann, Humboldt Township, Coles County, Ill.
Application October 25, 1945, Serial No. 624,498
4 Claims. (Cl. 248—205)

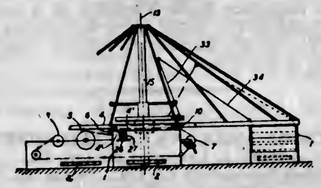
1. An insulator for fence posts having angled flanges, comprising a beam, snubber means on the beam allowing free axial application of the beam to the fence post by angling the beam upward but snubbing on the post when the beam is

angled to a horizontal position, a strut pivoted to the beam and swingable toward the post, and



means on the end of the said strut engageable with one flange of the post.

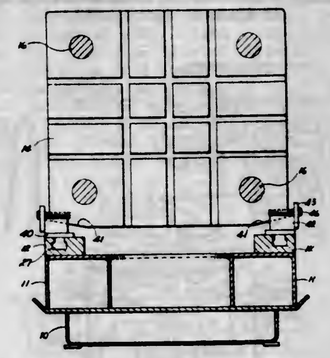
2,485,289
APPARATUS FOR PRINTING ON FABRICS, PAPER, OR THE LIKE
František Jánš, Mlada Boleslav, Czechoslovakia
Application September 10, 1946, Serial No. 695,994
In Czechoslovakia September 12, 1945
13 Claims. (Cl. 101—115)



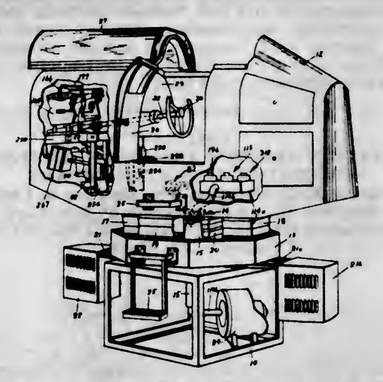
3. An apparatus of the type described comprising a stationary guiding member defining a vertical axis, a frame rotatable and axially shiftable in relation to said member by which it is guided, said frame including a plurality of holders for printing stencils, said holders being arranged in one horizontal plane and being equally spaced from one another on a circle about said axis, a stationary table in a position underneath said holders to permit them one after the other to register with said table, a first driving means for intermittently turning said frame in one direction, angles equal to the angular spacing of two adjacent ones of said holders, a second driving means to cause intermittently axial reciprocations of the frame from a raised to a lowered and back to the raised position, a common means to operate both said driving means, and means to cause one reciprocation of the frame to occur substantially during each intermission between two angular turns of said frame.

2,485,290
DIE CASTING MACHINE
Alfred F. Jelinek, Cleveland, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 18, 1947, Serial No. 722,871
2 Claims. (Cl. 22—92)

1. In a die casting machine, a bed, a stationary die plate supported by said bed, a bracket supported by said bed, guide rods supported by said die plate and bracket, a movable die plate slidably mounted on said guide rods, wear plates having a flat upper surface, means removably mounting said wear plates on said bed for slidably supporting said movable die plate, and shoe means mounted on said movable die plate for engaging said wear plates to relieve said guide rods of the weight of the movable die plate, said shoe means being adjustable to increase the effective vertical dimension thereof so that the apportionment of the load supporting function between the guide rods and the wear plates may be controlled.

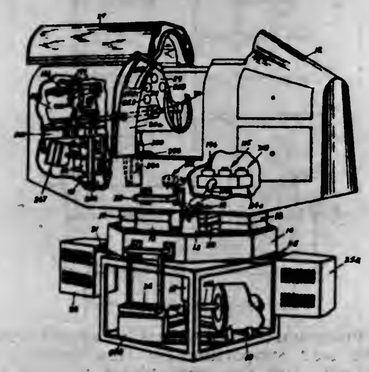


2,485,291
SIMULATED FLIGHT CONTROL LOADING AND CENTERING MEANS FOR GROUNDED AVIATION TRAINERS
Karl A. Kail, Montrose, Pa., assignor to Link Aviation Inc., a corporation of New York
Application June 27, 1945, Serial No. 601,776
21 Claims. (Cl. 35—12)



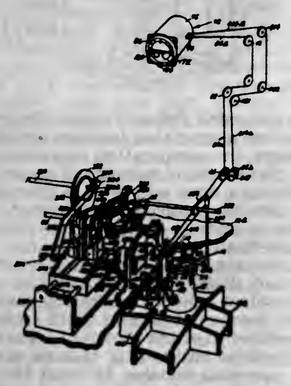
1. In a grounded flying training device of the type including a simulated fuselage having a seat for a student, the combination of a member simulating a flight control member of an actual aircraft positioned near said seat; a pneumatically operated member connected to said flight control simulating member; a control valve connected to said pneumatically operated member for controlling the operation of the same; and a connection between said flight control simulating member and said control valve for operating said control valve upon movement of said flight control simulating member in either direction from a predetermined neutral position for causing said pneumatically operated member to exert through its connection with said flight control simulating member a force upon said flight control simulating member opposite the direction of movement of said flight control simulating member.

2,485,293
AVIATION TRAINER
Karl A. Kall, Montrose, Pa., assignor to Link Aviation, Inc., a corporation of New York
Application September 29, 1945, Serial No. 619,361
23 Claims. (Cl. 35—12)



19. In a grounded aviation trainer the combination of a fuselage having a seat for a student, said fuselage being universally and rotatably mounted upon a stationary base, means for rotating said fuselage with respect to said base and means for pitching said fuselage to respectively simulate the turning and pitching movements of a real plane, a lever in said fuselage simulating the throttle lever of a real plane, and means interconnecting said lever with both said fuselage-rotating means and said fuselage-pitching means for operating said fuselage-rotating means and for causing said fuselage to assume successive climbing and diving positions in response to a single movement of said lever.

2,485,293
AVIATION TRAINER ARTIFICIAL HORIZON SIMULATOR ACTUATING MEANS
Karl A. Kall, Montrose, Pa., assignor to Link Aviation, Inc., a corporation of New York
Application October 18, 1945, Serial No. 623,075
3 Claims. (Cl. 35—12)



1. In a grounded aviation trainer of the type comprising a fuselage pivotally mounted upon a stationary base for banking movements simulating the banking movements of a plane in actual flight, the combination of indicating means for indicating the instant assumed banking position of the fuselage, a first movable member forming a part of said trainer and means for positioning the same in accordance with the instant banking position of said fuselage relative to said stationary base, a second movable member forming a part of said trainer and means for positioning said second movable member in accordance with the instant assumed air speed of said trainer, and means interconnecting said movable members and said bank-indicating means for positioning said bank-indicating means in accordance with the instant combined positions of said two movable members.

2,485,294
COPOLYMERS OF TETRAHYDROABIETYL ALCOHOL-MODIFIED UNSATURATED ALKYD RESINS AND VINYL COMPOUNDS
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 12, 1946, Serial No. 653,959
7 Claims. (Cl. 260—26)

1. A product produced by interpolymerizing a mixture including from 5%–95% of a polymerizable unsaturated alkyd resin chemically modified with tetrahydroabietyl alcohol and from 95%–5% of styrene.

2,485,295
PACK OF ABRASIVE COATED SHEETS
Adolph J. Larson, Chicago, Ill.
Application September 17, 1947, Serial No. 774,472
2 Claims. (Cl. 206—56)

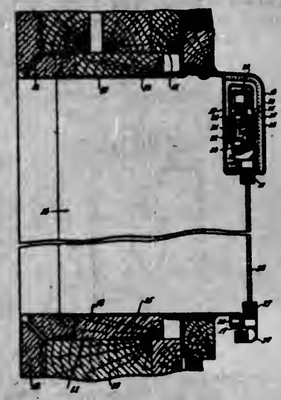


1. As a new article of manufacture, a pack of abrasive coated sheets arranged in superimposed relationship and each comprised of a flexible base sheet or carrier having on one side thereof a coating of finely divided abrasive particles adhesively secured to the said base sheet or carrier and having on its other and non-abrasively coated surface a film of a normally tacky, pressure-sensitive adhesive, the said abrasive sheets being adhesively but releasably secured together in superimposed relationship by adhesive engagement between the finely divided abrasive particles on each underlying sheet with the normally tacky pressure-sensitive adhesive on the next adjacent sheet thereabove.

2,485,296
EXTERIOR SLIDING WINDOW
William Lescase, New York, N. Y., assignor to Hope's Windows, Inc., New York, N. Y., a corporation of New York
Application January 6, 1945, Serial No. 571,598
5 Claims. (Cl. 189—64)

1. A sliding window assembly comprising a casing adapted to be received in a window opening, a hanger carried by the casing exteriorly thereof, a window sash, means to mount the sash

on the hanger, a hood covering the mounting means, and a cap on the hanger engaging one end



of the hood when the sash is in a closed position to close the end of the hood.

2,485,297
HYDROCARBON EMULSION
Charles J. G. Lecsemann, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application August 23, 1947, Serial No. 770,334
2 Claims. (Cl. 252—310)

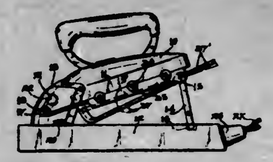
1. An emulsion comprising a substantially equal quantity of a hydrocarbon boiling in the gasoline boiling range and a mixture including a major amount of a saturated aqueous solution of a hydroxy benzoic acid and a minor amount of a ketone selected from the class consisting of acetone and methyl ethyl ketone said major amount being in the range between 70% and 90% of said mixture and said minor amount being in the range between 30% and 10% of said mixture.

2,485,298
METHOD FOR BREAKING EMULSION
Charles J. G. Leesemann, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Original application August 23, 1947, Serial No. 770,334. Divided and this application June 28, 1948, Serial No. 35,740
3 Claims. (Cl. 252—327)

1. A method for separating a hydrocarbon boiling in the gasoline boiling range from an aqueous hydrocarbon emulsion of it with an admixture of an aqueous solution of a hydroxy benzoic acid and a ketone selected from the class consisting of acetone and methyl ethyl ketone which includes the step of adjusting the concentration of the ketone in the admixture in excess of 30% by volume of the admixture to form a hydrocarbon phase and an aqueous phase, and separating said phases.

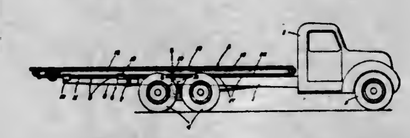
2,485,299
ELECTRIC IRON AND STAND
Maurice Levey, Yonkers, N. Y.
Application January 24, 1948, Serial No. 4,166
1 Claim. (Cl. 219—25)

A stand for an electrical pressing iron comprising, an elongated rectangular base having a closed top and an open bottom, an elongated leaf member disposed longitudinally of the top of said base, hinge members on opposed sides of one end of said leaf member and having hinged connection with said base adjacent one end thereof, a concave hood-like element supported on said base intermediate said hinged connections and having the open side thereof disposed toward said leaf member, said hood member being of an insulating material and provided with contacts on each side thereof adaptable to contact complementary contacts on an iron, legs pivoted one to each side of said leaf member at that end thereof remote to said hood, indentations in said



base cooperating to support the free ends of said legs to maintain them in a substantially vertical position, a lever disposed longitudinally beneath said leaf and having pivoted connection to that end of said leaf supporting said legs, said lever operable against said base to raise said leaf member and bring said legs to seat in the base indentations, wiring means carried beneath the top of said base, a plug outlet on said base having connection with said wiring to form a circuit to said hood contacts, spaced parallel rollers carried transverse of said leaf member to urge an iron into said hood member, and a thermostat and visual signal in said wiring circuit.

2,485,300
ADJUSTABLE VEHICLE BED
Edward Lisota, Patterson, Calif.
Application January 30, 1948, Serial No. 5,331
4 Claims. (Cl. 214—85)

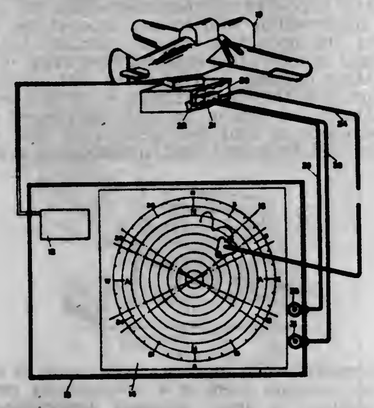


1. A vehicle comprising a wheel-supported main frame, a bed assembly extending lengthwise of the main frame, an extension frame projecting rearwardly from the rear end of the main frame, a transverse axis hinge between adjacent ends of said frames, means mounting the bed assembly on the extension frame for longitudinal sliding motion and for tilting therewith, and means operative to effect such sliding motion of the bed assembly; said last named means including a power actuated screw unit connected between the extension frame and bed assembly.

2,485,301
WIND DRIFT INSTRUMENT
Gunne Lowkrantz, Binghamton, N. Y., and Karl A. Kall, Montrose, Pa., assignors to Link Aviation, Inc., a corporation of New York
Application August 8, 1941, Serial No. 406,056
16 Claims. (Cl. 35—10)

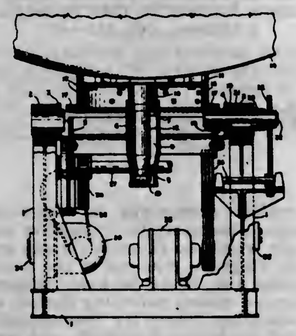
1. An aviation training apparatus comprising, in combination, a grounded trainer rotatable

about a vertical axis, a recorder connected to said trainer and adapted for movement with respect to a fixed surface in response to rotation of said trainer, and mechanical triangulating



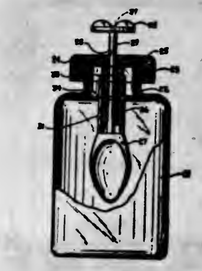
means intermediate the said trainer and the said recorder for modifying the responsive movement of the recorder with respect to the fixed surface in a predetermined manner to simulate the effect of wind on an aircraft in flight.

2,485,302
TILTING MIXING MACHINE
Joseph C. Lukas, Dunellen, N. J., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 9, 1947, Serial No. 740,364
2 Claims. (Cl. 259—81)



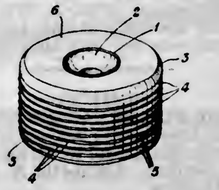
1. In a mixing machine, a supporting frame, a yoke pivotally carried by said frame for pivotal movement on a horizontal axis, a tubular bearing housing carried by said yoke, bearings in said bearing housing, a vertical spindle rotatably supported by said bearings for rotation about a vertical axis, a circular table carried by the upper end of said spindle, a depending annular flange on said circular table, a mixing drum, a depending annular flange on said mixing drum and engaging about said table carried flange, means connecting said table to said drum carried flange, a ring gear carried by said table carried flange, and means connected to said ring gear for rotating said drum about a vertical axis.

2,485,303
COMBINED SPOON AND MEDICINE BOTTLE
Louise Marcus, New York, N. Y.
Application July 13, 1946, Serial No. 683,577
3 Claims. (Cl. 259—122)



1. The combination with a container having a neck, a closure for the neck having an integral stem depending from the inner side thereof and provided with longitudinally spaced circumscribing external groove and a hole, a spoon having a tubular shank longitudinally split to provide a plurality of yieldable gripping jaws, at least one of said jaws having an internal stop insertable in said groove or hole, and a rod extending from said spoon and slidable through the stem of the closure and provided on its upper end with a handle for operating the same.

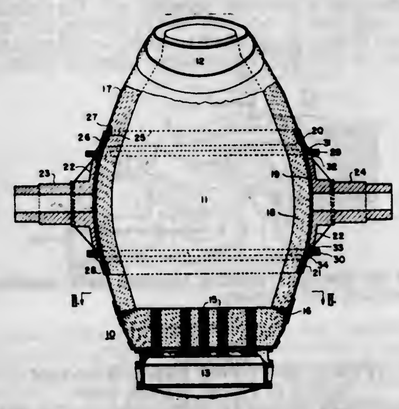
2,485,304
WHEEL FOR ROLLER SKATES AND THE LIKE
Edward Samuel Marsh, Watford, England
Application June 29, 1948, Serial No. 35,890
In Great Britain October 23, 1947
6 Claims. (Cl. 301—5.3)



1. A roller skate wheel constructed of closely bonded laminated material comprising alternate layers of rubber and fabric impregnated with thermo-setting synthetic resin of which latter material the outer layers are composed.

2,485,305
BESSEMER CONVERTER
Harry L. McFeaters, New Castle, Pa., assignor to Pennsylvania Engineering Corporation, a corporation of Pennsylvania
Application March 5, 1946, Serial No. 652,119
4 Claims. (Cl. 266—35)

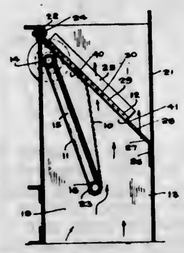
1. In a Bessemer converter having a group of upwardly discharging tuyères in its bottom, having a body above such tuyères comprising a metal shell formed of plate material and a refractory lining of substantially uniform thickness; such metal shell having its greatest diameter at its longitudinal center and being curved outwardly from its ends to a plane which includes its longitudinal center and is perpendicular to its major axis; such shell having a centrally lo-



cated zone embracing substantially one third of the body shell, approximating a central section

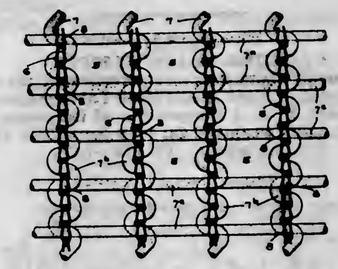
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2,485,306
SWINGABLE CURTAIN-TYPE FLUE DAMPER
Charles L. Myers, Philadelphia, Pa.
Application September 29, 1944, Serial No. 556,339
4 Claims. (Cl. 126—285)



1. A damper for controlling the draft through a flue comprising, in combination, a curtain of flexible material adapted to be adjustably extended across the flue opening to close off more or less of the latter, one edge of said curtain being secured across substantially the full width of one wall of the flue opening, the opposite edge of said curtain being shiftable laterally away from said wall across the full extent of said flue opening, a sustaining grille for the curtain disposed within and extending transversely across the full extent of the flue opening with one edge thereof secured to the aforesaid wall of the flue immediately adjacent the secured edge of the curtain, and means operatively associated with the curtain for swinging the shiftable edge thereof along an arc intersecting the plane of said grille whereby to apply a greater or lesser portion of the curtain against the upstream of said grille, said last-mentioned means being in the form of a frame swingable about an axis closely adjoining and paralleling the secured edge of said curtain and said curtain being disposed in overlying relation with respect to said frame for swinging movement therewith toward and away from said grille.

2,485,307
NONSLIP RUG PAD
Milton Newman, Philadelphia, Pa.
Application September 4, 1947, Serial No. 772,111
1 Claim. (Cl. 66—193)



A warp-knitted non-slip rug pad fabric adapted to be cut to any desired size or shape for application beneath a floor rug comprising a plurality of independent main body yarns each formed of resilient material and coated with liquid latex or the like, and a plurality of spaced rows of warp-knitted chain stitches formed of auxiliary yarns, said body yarns being each sinuously laid relatively to said rows of chain stitches so that alternate portions of each body yarn respectively extend course-wise and wale-wise of said rows of chain stitches with successive course-wise extending portions of a plurality of adjoining body yarns being interlocked within a single stitch of the chain common to said successive body yarn portions, and with the successive wale-wise extending portions of said body yarns incorporated within the chain stitches disposed between the single stitches aforesaid, the relative arrangement of the several body yarns being such as to produce in the fabric a series of mesh openings of substantial size.

2,485,308
TREATING BUTTERFAT
Charles E. North, Montclair, N. J.
No Drawing. Application September 20, 1946, Serial No. 698,405
6 Claims. (Cl. 99—120)

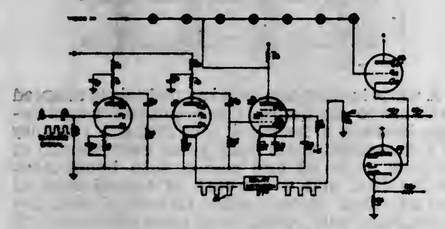
1. The method of renovating rancid butter fat which comprises emulsifying rancid butter fat by alternately admixing it in the molten state with skim milk powder until a viscous dough-like mass is obtained and admixing water while maintaining said viscous mass and said water at a temperature of about the melting point of said fat and the butter fat in a molten state, said emulsion having the consistency and fat content of whipping cream, cooling said emulsion to a churning temperature, churning said emulsion while maintaining it in a cooled condition until said emulsified fat is agglomerated, and separating said agglomerated fat from adhering liquid.

2,485,309
CORROSION PREVENTION
Leslie G. Nunn, Jr., Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 5, 1947, Serial No. 739,660
9 Claims. (Cl. 252—392)

1. A method for inhibiting corrosion of ferrous metal in contact with an aqueous fluid containing hydrogen sulphide which comprises incorporating in the aqueous fluid a methylol mel-

amine condensation product which is at least capable of being colloidally suspended in said aqueous fluid, said condensation product being used in a small but sufficient quantity to inhibit said corrosion.

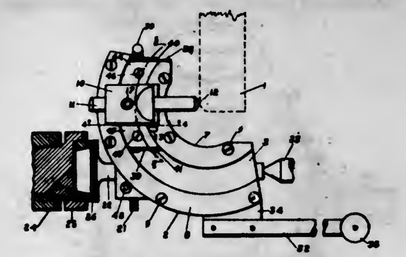
2,485,310
VIDEO BLACK CLIPPER
Salvatore Robert Patremio, Rochelle Park, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 12, 1946, Serial No. 715,727
2 Claims. (Cl. 178—7.1)



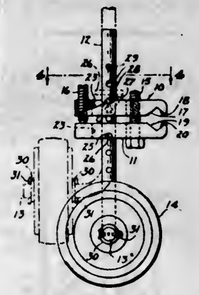
1. In a television transmission system, a series of vacuum tubes adapted to amplify the video signal of said system, a vacuum tube amplifier adapted to amplify a blanking signal, means to apply said blanking signal to said vacuum tube amplifier, means comprising another vacuum tube having a resistance in its anode circuit and a resistance between its cathode and ground to obtain outputs of opposite polarities from the anode and cathode respectively of said second named vacuum tube, the control grid of said second vacuum tube being coupled to the plate of the first named vacuum tube, means comprising a third vacuum tube coupled to the plate of said second vacuum tube to amplify and reverse the phase of said blanking signal and apply it to the grid of one of said series of vacuum tubes adapted to amplify the video signal of said system whereby said blanking signal is mixed with said video signal, means to delay said output from the cathode of said second named vacuum tube, a fourth vacuum tube coupled to the output of said series of vacuum tubes and adapted to be used as a cathode follower stage, means to cause said delayed output to be applied to the cathode of said cathode follower stage thereby limiting its output voltage swing in the negative direction.

2,485,311
GRINDING WHEEL DRESSER
Morris F. Porcello, Battle Creek, Mich., assignor of forty per cent to Lynn W. Bishop, Battle Creek, Mich.
Application May 8, 1945, Serial No. 592,603
5 Claims. (Cl. 125—11)

1. In a grinding machine for grinding the curved under face of the head portion of a valve member, and having a headstock and a tailstock for supporting the member to be ground, the combination with such headstock and tailstock, of a member to be ground extending from said headstock to said tailstock and supported by same, a dressing device having means mounting said device on said member, said dressing device comprising means thereon to mount a dressing tool for movement in an arcuate path relatively to the grinding wheel, and means supplementing the mounting of said dressing device by said member and preventing turning of the device on the axis passing through said member, headstock and tailstock.



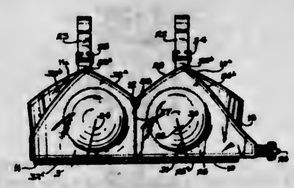
2,485,312
ATTACHMENT FOR LAWN MOWERS
David R. Powell, Euclid, Ohio
Application August 11, 1947, Serial No. 768,056
7 Claims. (Cl. 56—249)



1. In a lawn mower provided with a tie rod, an attachment for said lawn mower comprising a pair of horizontally disposed clamping bars arranged in superimposed relation and extending in the same direction from said tie rod, each of said bars having a recess therein adjacent one of its ends which recesses are arranged in opposed relation and which cooperate to receive said tie rod, means for adjustably forcing said clamping bars into engagement with said tie rod, each of said clamping bars having an opening intermediate its ends which is in alignment with the opening in the other clamping bar, an adjustable supporting rod extending through said aligned openings and having a roll at its lower end which roll engages the ground when said rod is in one position, and adjustable means extending through one of said clamping bars for engaging and holding said rod in each of its adjusted positions.

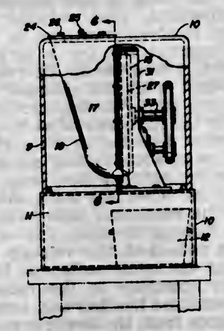
2,485,313
BRASSIERE
Harry Rabinowitz, New York, N. Y.
Application May 17, 1947, Serial No. 748,723
1 Claim. (Cl. 2—42)

In a nursing brassière having an opening through which a breast projects for nursing, a flap fixedly secured at one end along a vertical line and partially along its top edge to the center of the brassière at one side and above the opening and having its free end extended across the opening closing the same, said flap having its bottom edge extended horizontally and its top edge from the end of its attached portion extended downward and outward forming a narrowed down end portion at the free end of said flap of substantially less than half the width of said flap, an elastic webbing attached at one end to the



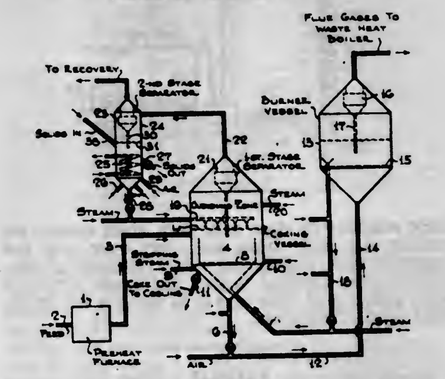
narrowed down end portion of said flap, horizontally spaced eyelets mounted on the side of said brassière on the side of the opening opposite the attached end of said flap, and a hook mounted on the free end of said elastic webbing and selectively engageable with one of said eyelets for adjustably holding the narrowed down end portion of said flap in position.

2,485,314
SNOWBALL SHAVER
John Eagelio, Baltimore, Md.
Application May 21, 1948, Serial No. 28,371
2 Claims. (Cl. 241—92)



1. A machine of the kind described, comprising a housing having an upper left hand compartment, an upper right hand compartment and a lower compartment, a hopper completely enclosed within the upper left hand compartment, said hopper having an opening flush with the top of said housing and a wall tapering inwardly towards the bottom of the upper right-hand compartment and having a terminal turned-down lip extending in said last-named compartment, a tank in the upper right hand compartment, said tank having a straight wall therein terminating in a flaring wall portion extending towards the lower compartment, said hopper and tank having open sides in juxtaposition, a shaver plate carried by said tank and journalled in the straight wall portion thereof, means for rotating said shaver plate and a pan in the lower compartment to receive the ice fed to said hopper, shaved by said shaver plate and guided by the flaring wall portion on said tank and by said lip.

2,485,315
CONTROLLED SEVERITY FLUID COKING
Walter A. Rex, Westfield, N. J., and Bruno E. Roetheli, London, England, assignors to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1947, Serial No. 790,075
7 Claims. (Cl. 196—55)

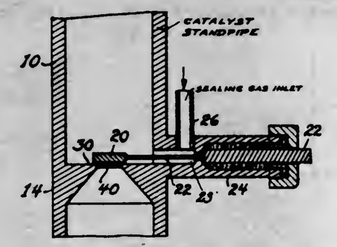


1. An improved process for coking heavy hydrocarbon oils which comprises feeding said heavy hydrocarbon oils into a coking zone, maintaining a dense bed of fluidized coke particles in said zone at temperatures suitable for the production of volatile conversion products and coke, and maintaining immediately above said dense bed a dilute phase suspension of said coke particles, permitting said oils and said coke to remain in contact with each other for a sufficient time to permit the desired conversion, withdrawing volatile products through said dilute phase, injecting into said dilute phase in close proximity to said dense phase a stream of quenching solids having a buoyancy such as to be substantially entrained by said volatile products, said quenching solids being at a temperature level substantially below said vapors in sufficient amount to lower their temperature below decomposition temperature levels, withdrawing volatile products and entrained solids from said dilute phase, conveying said entrained solids and volatile products to a first separation zone, returning to said dense bed heavier solid particles, withdrawing from said separation zone volatile products and said buoyant quenching particles, separating said quenching particles from said volatile products in a second separating zone, cooling said solids in a cooling zone, and recycling the thus cooled solids to said dilute phase.

2,485,316
SLIDE VALVE
Leroy V. Robbins, Jr., and William D. Luening, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1944, Serial No. 570,740
2 Claims. (Cl. 251—61)

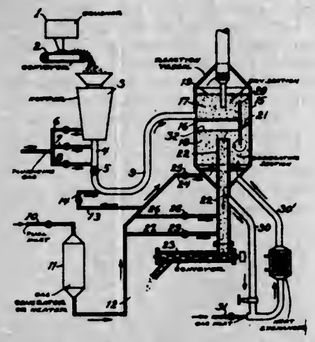
1. A valve for controlling the flow of fluidized solids in a vertical standpipe which comprises a circular valve conduit structure having concentrically disposed therein a circular seat structure, the longitudinal axis of which is parallel to the longitudinal axis of said valve conduit structure, said circular seat structure being characterized by a port in the center thereof, by a flat upper surface which extends into said valve conduit

structure to collect fluidized solids thereon, said seat structure being further characterized by lower conical walls extending from said port downwardly and outwardly to the walls of said conduit structure, said valve also comprising a



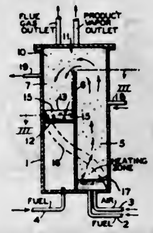
slide adapted to close said port, stem means for sliding said slide from said port over said flat upper surface, and means for introducing a blowing gas over the area of said flat upper structure over which said slide moves to remove the fluidized solids therefrom.

2,485,317
METHOD OF MANUFACTURING PLASTER OF PARIS
Bruno E. Roetheli, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 29, 1943, Serial No. 474,009
5 Claims. (Cl. 23—122)



1. A method of manufacturing plaster of Paris which comprises introducing finely divided raw material used in the manufacture of plaster of Paris and hot gas into a drying zone and passing the hot gas upwardly through said zone to form a fluidized bed of raw material particles having a level therein, maintaining the particles in said drying zone for a time sufficient to drive off some of the free moisture therefrom, withdrawing fluidized at least partly dried raw material particles from the fluidized bed in said drying zone and passing the fluidized particles into a dehydrating zone, passing a hot gas upwardly through said dehydrating zone to maintain the particles as a fluidized bed having a level therein while partial dehydration of the particles is being effected, removing partially dehydrated particles from the fluidized bed in said dehydrating zone and passing at least part of the hot gas from the upper portion of said dehydrating zone to the lower portion of said drying zone.

2,485,318
METHOD AND APPARATUS FOR CONTACTING SOLIDS AND GASES
Walter F. Rollman, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 17, 1946, Serial No. 662,908
8 Claims. (Cl. 196—52)

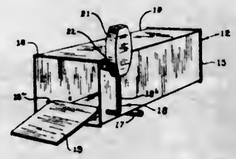


1. An improved method for effecting vapor phase reactions in the presence of a granular solid material in a generally confined space containing at least one reaction zone and one reheating zone in communication with each other, which comprises charging a gasiform material to said reaction zone at a temperature below reaction temperatures, conducting said gasiform material upwardly in said reaction zone through a relatively shallow downwardly moving inclined bed of granular solids containing sufficient sensible heat to heat the gasiform material rapidly to reaction temperatures, said gasiform material being forced through the moving bed of granular solids at a velocity lower than that which will maintain the particles of said granular solid in turbulent suspension, said velocity also being such that the gasiform material is maintained at reaction temperatures for a period of from 0.01 to 2 seconds, withdrawing the reaction products from contact with the granular solids, immediately cooling said reaction products by subjecting them to the influence of a cooling medium in a cooling zone disposed in close proximity to said reaction zone, withdrawing solids from the reaction zone by natural flow and permitting them to enter the reheating zone, subjecting the said solids in the reheating zone to contact with an upwardly flowing heating gas whereby the said solids are reheated, the velocity of the upflowing heating gas being sufficient to cause the solids to move upwardly in the reheating zone concurrently with the heating gas, separating the thus heated solids from the heating gas at a point near the top of the reheating zone, separating the heated solids from the heating gas, permitting the heated solids to return by natural flow to the reaction zone and withdrawing reaction products from the cooling zone.

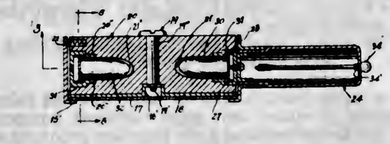
2,485,319
SANITARY MOUSETRAP
Paul Rosen, West Orange, N. J., assignor of fifty per cent to Arthur Rosen and fifty per cent to Alice Gendel, both of West Orange, N. J.
Application September 24, 1947, Serial No. 775,773
4 Claims. (Cl. 43—61)

1. A sanitary mouse trap comprising a container having an open end and a closed end, a fulcrum member carried by the container below the same and intermediate its ends, a swinging door for closing the open end of the container, means including a crank for horizontally pivotally mounting said door near its bottom for allowing extension of the door as a ramp leading to

the open end of the container when the latter is tilted up at its closed end, said crank having an arm exterior to the container, a weight means carried by said arm, said door being secured to said crank in an angular relation therewith such that when said arm is raised to dispose the center of gravity of the weight means forwardly of the vertical plane extending through the axis of swing of the door the latter is disposed as such ramp, and means limiting pivoting of said arm in a direction to raise the same to a position in which the weight means is disposed forwardly of said vertical plane.



2,485,320
MAGAZINE LIPSTICK CASE
Frank Rosenthal, New York, N. Y.
Application January 22, 1946, Serial No. 642,717
12 Claims. (Cl. 206—56)



1. In an article of the character described, a member having an opening, a handle extending from said member, movably mounted at one end in said opening and removable therefrom, a magazine movably mounted on said member and provided with a plurality of sockets successively positionable opposite said opening upon movement of the magazine on said member, a plurality of elements, each adapted to have a lip rouge stick mounted extending therefrom; each of said sockets being of a size to house a stick extending inwardly from its associated element and means on the handle and each of said sticks adapted to co-operate for detachable engagement of said handle and an element at said opening, whereby upon such engagement, a lip rouge stick is withdrawable from the magazine, mounted on the handle, upon removal of said handle from said opening.

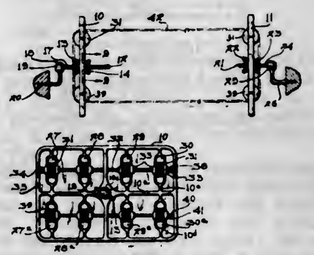
2,485,321
CORROSION PREVENTIVE COMPOSITION
Knapel F. Schiermeier, Alton, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 29, 1947, Serial No. 771,386
7 Claims. (Cl. 106—14)

2. A composition of matter adapted for use as a rust inhibitor containing the following components in the following proportions:

Additive:	Per cent by weight
Asphaltic bitumen	35–75
Fixed oil	2–10
Waxy hydrocarbon	5–25

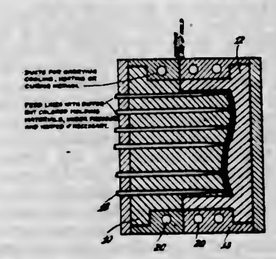
said component mixture being diluted with a major amount of a light liquid hydrocarbon.

2,485,322
CLOTHESLINE SUPPORT
Selig Al Schlagg, Brooklyn, N. Y.
Application December 8, 1947, Serial No. 790,295
6 Claims. (Cl. 211—119.10)



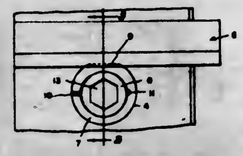
3. A pulley plate for clotheslines, comprising a plate having side flanges and reinforcing ribs between the flanges, said plate being formed with a series of parallel slots, pulleys disposed in said slots, a shaft extending through all of the pulleys and having one end threaded into the plate, and a bolt for adjusting the tension of clotheslines engaging said pulleys, said bolt extending through said plate and having key means to prevent relative turning movement, nuts threaded on said bolt against opposite sides of the plate to clamp said bolt against longitudinal adjustment on said plate, a socket on said bolt disposed at right angles thereto, and an attaching bolt having a head which receives said socket.

2,485,323
METHOD AND APPARATUS FOR PRODUCING ORNAMENTAL MULTICOLORED DESIGNS
Eugene H. Schwartz, Brooklyn, N. Y.
Application December 21, 1943, Serial No. 515,117
3 Claims. (Cl. 18—36)



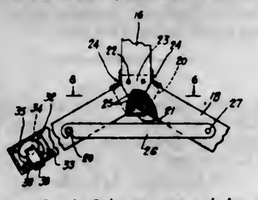
1. The method of producing an ornamental multicolored design on a plate or the like having a skeletonal network of raised walls providing a multiplicity of cavities between said walls forming the outline of a design which consists in placing said plate between two mold members with the face of one of said mold members in direct contact with the network of raised walls for closing the cavities at the face of the plate, said latter mold having a multiplicity of conduits therethrough with relatively small outlets and leading one to each of said cavities and in injecting through said conduits into said cavities moldable material from a common reservoir exterior of the mold members with separate compartments for material of different colors, permitting the moldable material in the cavities to harden, separating the mold members to thereby directly expose the plate and ejecting the plate.

2,485,324
CUTTING TOOL
George E. Sheldrick, Grosse Pointe, Mich.
Application October 9, 1944, Serial No. 557,904
3 Claims. (Cl. 29—105)



1. In a cutting tool, the combination with a body having a recess and a cutting blade extending within the recess, of a lock for said blade comprising an expansible member extending within the recess and an expanding screw extending within said member, said member being transversely split at one point only and having a generally elliptical hole therethrough with the minor axis transverse to the split, said member having its minor axis defining portions internally threaded for engagement with said screw and also having one of said defining portions engaging said blade.

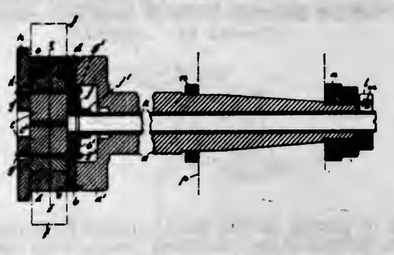
2,485,325
COLLAPSIBLE TRIPOD DOLLY
Irving Sloane, Brooklyn, N. Y.
Application May 7, 1946, Serial No. 667,862
8 Claims. (Cl. 280—36)



1. A device adapted to carry a tripod for easy movability of the latter, including a horizontal frame having a series of radial, pivotally interconnected arms movable to be alongside of each other in a common plane in the collapsed position of the frame, anti-friction elements on the arms for movably carrying the frame, and means on the arms for releasably engaging the legs of a tripod to hold the latter on the frame in the expanded operative position of the frame, and a single means for selectively holding the frame in expanded or collapsed position, including a link pivotally connected to one arm and having latching connection with another arm to interengage these arms with the link spanning the intermediate arm in the collapsed position of the frame, said frame providing stop engagement for positioning certain of the arms in angularly spaced relation to the intermediate arm in the expanded position of the frame, and the link being movable to a different position to interconnect the above mentioned interengaged arms for holding the latter in the stopped relation with the said intermediate arm.

2,485,326
ROTARY SWAGING MACHINE
Samuel Smith, Elmdon, England
Application January 8, 1945, Serial No. 571,774
In Great Britain January 17, 1944
3 Claims. (Cl. 78—22)

2. In a rotary swaging machine, in combination, a hollow rotary spindle, swaging dies carried by the spindle, a hammer block carried by the spindle outside of each swaging die, a wedge between each die and the adjacent hammer block, a shaft rotatably mounted within the hollow spindle, the wedges being connected to move axially with said shaft, a nut threaded on the end of the spindle, having an integral split collar through which said shaft is threaded, and means for tightening the split collar after said shaft has been screwed through the collar to set the wedges in the desired position.



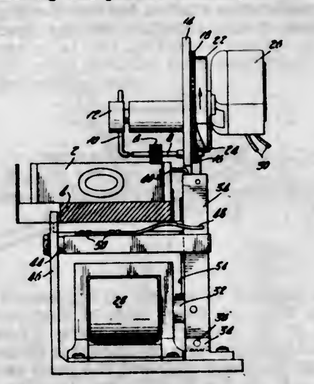
2,485,327
PHENOL ALDEHYDE-PETROLEUM PITCH-DRYING OIL IMPREGNATING COMPOSITION
Howard Snow, Charlotte, N. C., assignor to Southern Friction Materials Company, a corporation of North Carolina
No Drawing. Application September 27, 1946, Serial No. 699,641
8 Claims. (Cl. 260—19)

1. A liquid composition for impregnating fabric to render it water and wear resistant comprising: the thermosetting heat reaction products of, an oil-soluble resin selected from the group consisting of phenol-aldehydes, oil-modified phenol-aldehydes, and rosin ester-modified phenol-aldehydes, petroleum pitch composed of polymerized olefinic hydrocarbons and having a minimum iodine number of about 200 and a boiling range beginning at 450° F., and a drying oil; and a petroleum distillate solvent; the proportions by weight of said constituents being 1½ to 2 parts of said resin, 3 to 4 parts of said pitch, 4 to 5½ parts of said drying oil, and 1 to 7½ parts of said solvent.

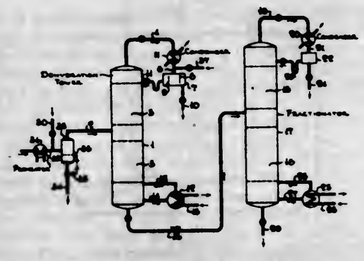
2,485,328
ARTICLE COUNTING DEVICE
Leon G. Spraker, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application July 24, 1948, Serial No. 40,570
4 Claims. (Cl. 235—98)

2. In a machine for counting articles of the class described as the articles are fed sidewise in side by side relation, the combination of a displacement element adapted to be moved in one direction to displace laterally one of the articles and to be retracted therefrom without interrupting the feeding of the articles, means for thus operating said element comprising an electrically operated device and a switch in circuit therewith whereby when the switch is closed said device is operated to move said element in the first mentioned direction and when the switch is open said element is retracted, means for thus closing and opening the switch comprising a cam, a gear for rotating the cam, a pinion operatively engaging the gear, a sprocket wheel having its teeth suitably spaced so as to be successively engaged by the longitudinal edges of the articles to cause

rotation of the wheel as the articles are fed, and connection between the sprocket wheel and pinion for driving the pinion whereby at the completion of each predetermined number of degrees of rotation of said gear, said displacing element is operated.



2,485,329
ETHER PURIFICATION
Clellie T. Steele and Mack C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 5, 1946, Serial No. 659,700
6 Claims. (Cl. 260—616)



4. In the purification of a crude volatile ether containing aldehyde, water and alcohol impurities, the steps which comprise distilling from the crude ether under superatmospheric pressure in a distillation zone an ether-rich distillate containing water and aldehyde, mixing said distillate with an aqueous alkali solution, separating an aldehyde-free ether-rich phase of said distillate from an aqueous alkali phase containing the aldehyde impurity, and refluxing the aldehyde-free ether-rich phase to the crude ether distillation zone.

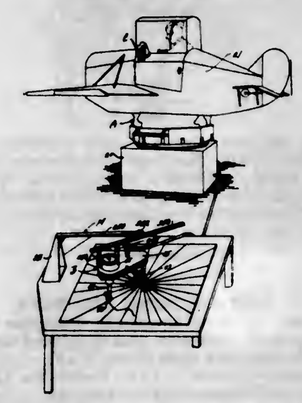
2,485,330
FUNGICIDAL COMPOSITIONS
William D. Stewart and John H. Standen, Yonkers, N. Y., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 1, 1945, Serial No. 619,697
5 Claims. (Cl. 167—33)

1. A method of protecting materials which are capable of nourishing fungi from destruction by fungi which comprises bringing the material into contact with a thiothiazyl ether having the formula

$$R—S—C_nH_{2n}—O—C_nH_{2n}—X$$

where R is a thiazyl radical, X is a halogen and n is an integer from 2 to 4.

2,485,331
APPARATUS FOR TRAINING AIRCRAFT PERSONNEL IN RADIO NAVIGATION
Ahlert P. Stuhrman, Miami, and Charles W. McKee, Hialeah, Fla., assignors, by mesne assignments, to Link Aviation, Inc., a corporation of New York
Application November 25, 1939, Serial No. 306,188
11 Claims. (Cl. 35—10)

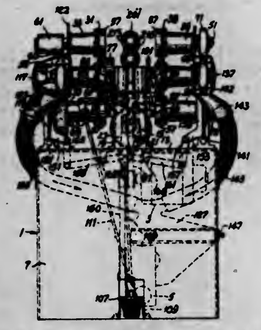


5. An apparatus for the instruction of radio aerial navigation comprising a ground trainer having means for directional control thereof, an automatic recorder remote from the trainer and movable over a chart having a point thereon designating the position of a radio transmitting station, said recorder having means of forward movement and means responsive to directional control movement of the trainer for indicating the assumed path of travel of the trainer, electrical signal transmitting means remote from the trainer, electrical signal receiving means in the trainer for aurally receiving the signal of the transmitting means, said receiving means including tuning means for changing the intensity of the signals received by said receiving means, means connected with the recorder for varying the intensity of the transmitted signal in accordance with the direction of the recorder relative to the point representing the radio station, a bearing indicating instrument in the trainer connected with the tuning means in said signal receiving means, and a control in the trainer for tuning the intensity of the signal received to maximum or null intensity and simultaneously changing the reading of said bearing indicating instrument.

2,485,332
SHOE MACHINE
Roy N. Sutton and Elmer A. Thomas, St. Louis, Mo., assignors to Arrow Shoe Machinery Co., St. Louis, Mo., a corporation of Missouri
Application March 18, 1947, Serial No. 735,294
17 Claims. (Cl. 51—166)

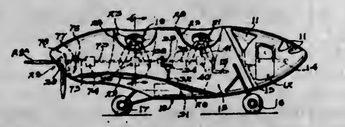
1. In apparatus of the class described, a movable carriage having a plurality of rotary shoe-

finishing tool spindles journalled therein, said carriage being movable between a number of indexed positions corresponding to the number of spindles to move a selected spindle and tool thereon to a working position wherein work may be applied to the tool, drive means cooperable



with the selected spindle in said working position for driving it, and dust-collecting means movable between a dust-collecting position with respect to a spindle in said working position and a retracted position clearing all the spindles to permit movement of the carriage.

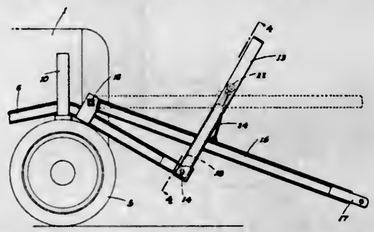
2,485,333
ROTATING WING MACHINE
Ralph Tarshis, Brooklyn, N. Y., assignor of one-third to Louis I. Brown and one-third to Sophie Lehman, both of New York, N. Y.
Application March 4, 1948, Serial No. 12,917
6 Claims. (Cl. 244—20)



2. In a helicopter, the combination with a fuselage of a lift and propulsion means therefor consisting of rotatable elements and a power means for rotating said elements, said elements including a propeller having blades and a shaft inclined at an angle of 45° to the horizontal, and the extension of said blades from said shaft being at substantially a 45° angle to the axis of said shaft, there being a plurality of said propellers with at least two thereof near the tail of the fuselage and with at least two others thereof at each of the two sides of the fuselage, the two propellers last named being in open topped wells on the fuselage, said wells having air inlet openings at their bottoms, the tops of said wells being near the top of the fuselage, each of said wells being so located below the outer end of the shaft of its associated propeller and being so shaped at its said top that as each blade of that propeller moved down into dependence vertically from the propeller said blade is housed in said well to remove it from the slip stream of the air passing the fuselage.

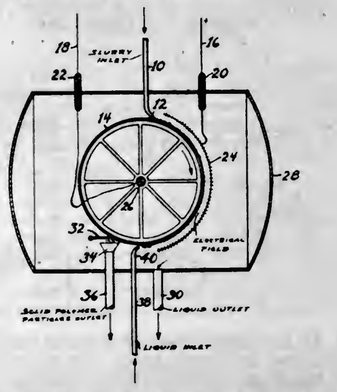
2,485,334
UNIVERSAL PUSH BEAM FOR IMPLEMENTS
Irl W. Terry, Manteca, Calif.
Application February 3, 1947, Serial No. 726,141
8 Claims. (Cl. 280—33.13)

1. A push beam assembly for mounting a front end implement on a wheel type tractor, comprising a pair of transversely spaced push beams, means adapted to pivotally connect the push beams to the tractor adjacent its rear end and on opposite sides thereof for free floating vertical swinging motion relative to the tractor, and



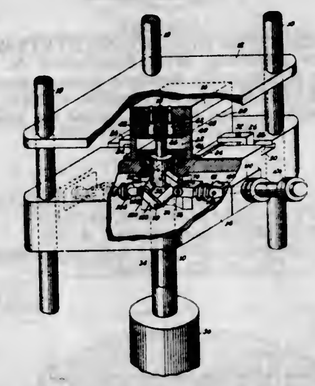
means adapted to mount an implement in connection with the front ends of the push beams ahead of the tractor; there being guide cradles adapted to mount on opposite sides of the tractor adjacent its front end, and the push beams riding in said cradles in their free floating relation.

2,485,335
POLYMER SEPARATION
Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1944, Serial No. 570,752
1 Claim. (Cl. 204—180)



In a process for producing high molecular weight rubbery polymers of at least 30,000 Staudinger molecular weight and which are normally tacky at room temperature, by copolymerizing a mixture comprising about 90 to 99% by weight of isobutylene and about 1 to 10% by weight of isoprene at a temperature between —70° C. and —100° C., in the presence of 60 to 90%, based on the weight of total reaction liquid, of methyl chloride, and in the presence of a dissolved Friedel-Crafts catalyst, in a polymerization zone to form a stable slurry of insoluble solid polymer particles suspended in methyl chloride, the improvement which comprises withdrawing at least a portion of said slurry from said polymerization zone, subjecting the withdrawn slurry to the action of a unidirectional electric field having a potential between about 50,000 and 100,000 volts, to effect a separation of the solid polymer particles from the methyl chloride, at a temperature of about —70° C. to —100° C., whereby any substantial vaporization of the normally gaseous methyl chloride is prevented, the normally tacky polymer particles are kept in a non-tacky, non-agglomerating granular form, and solution of the polymer in the methyl chloride is prevented, recovering the separated polymer particles from the cold liquid methyl chloride, and recycling at least a portion of said cold liquid methyl chloride from which solid particles have been removed, to the polymerization zone.

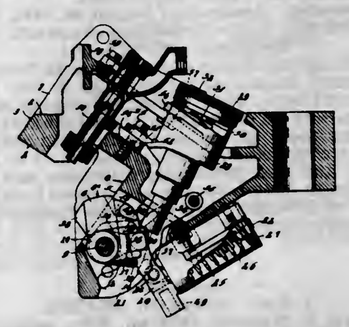
2,485,336
MOLDING MACHINE
Emerik I. Valyi, New York, N. Y.
Application September 26, 1946, Serial No. 699,547
8 Claims. (Cl. 18—16)



8. A molding machine comprising a pair of relatively movable platens, a die member carried by each of said platens, means to move one of said platens, a core plate carried by said movable platen, a core plate plunger secured to said core plate, an ejector plate carried by said movable platen, ejecting pins carried by said ejector plate, an ejector plate plunger on which said ejector plate is seated, said ejector plate plunger being hollow and said core plate plunger being movably disposed therein, a linkage connected to said core plate plunger, means to actuate said linkage whereby said core plate plunger is moved independently of the movement of the movable platen, adjustable means connecting said linkage to said actuating means whereby said actuating means will travel in a straight line and the stroke of said core plate plunger can be adjusted, a second linkage connected to said ejector plate plunger, means to actuate said second linkage independently of said first-named linkage whereby said ejector plate plunger is moved independently of the movement of the movable platen, and adjustable means connecting said second linkage to the actuating means therefor whereby said actuating means will travel in a straight line and the stroke of said ejector plate plunger can be adjusted, the actuating means for said linkage and for said second linkage being independent of each other.

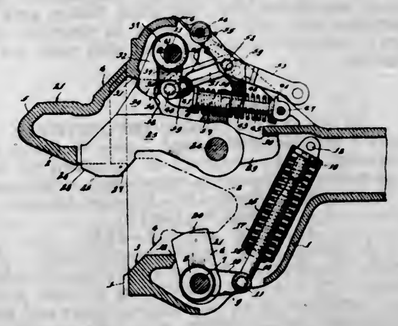
2,485,337
TIGHT LOCK CAR COUPLER
Herbert E. Van Dorn, Chicago, Ill., assignor to The Dornvan Corporation, a corporation of Illinois
Application April 15, 1946, Serial No. 662,255
8 Claims. (Cl. 213—77)

7. A car coupler of the tight lock type comprising a head containing a locking dog swingable from a forward idle position back to and somewhat beyond a release position, a spring pressed actuator connected to the dog so as to have a limited movement relative to the same and tending constantly to move the dog into its idle position, a latch in position to engage the actuator when the latter moves the dog into the release



position, a cam on the dog in position to be engaged by a part on a companion coupler during uncoupling and force the dog backward from the release position, and said dog having thereon an element that engages the latch when the dog is so pushed back, in uncoupling, and trips the latch.

2,485,338
TIGHT LOCK CAR COUPLER
Herbert E. Van Dorn, Chicago, Ill., assignor to The Dornvan Corporation, a corporation of Illinois
Application May 27, 1946, Serial No. 672,383
14 Claims. (Cl. 213—150)

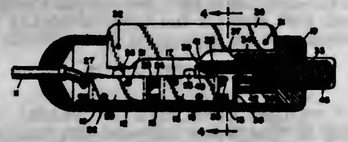


1. A hollow coupler head having a forwardly projecting nose and an opening beside the latter to receive the nose of a companion coupler, a member mounted in the nose so as to be movable from a retracted position to a coupling position in which a part thereof protrudes from the inner side of the nose to interlock with a like part in a companion coupler to effect a coupling, a device to lock said member in the coupling position, means to shift said device into a release position, means controlled by movement of said member during the act of uncoupling again to force said member into the coupling position and the device into its locking position, and means in the head on the opposite side of the axis of the head from that on which the nose is located automatically to press against an incoming nose of a companion coupler to hold the two noses in a tight lock.

2,485,239
AQUEOUS FUNGICIDAL DISPERSIONS OF SALICYLANILIDE
Willem van Eijk, Amsterdam, Netherlands, assignor to Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands
No Drawing. Application August 10, 1946, Serial No. 689,832. In the Netherlands August 22, 1945
20 Claims. (Cl. 167—30)

1. A method of preparing an aqueous fungicidal dispersion containing salicylanilide in very finely dispersed form, which comprises melting salicylanilide with an emulsifying agent that lowers the melting point of the salicylanilide to obtain a molten composition miscible with water in liquid phase, and then thoroughly dispersing said composition in molten state in an aqueous liquid medium at a temperature below the melting point of salicylanilide.

2,485,240
X-RAY CONTROL SWITCH
Bernard A. Warmey, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application May 29, 1947, Serial No. 751,291
2 Claims. (Cl. 200—5)



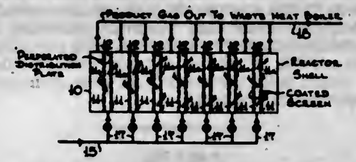
2. In a control device, two switches, a finger lever for operating one switch, a push button for operating the second switch, the operation of said push button being normally ineffective, and means associated with said push button and cooperating with said finger lever in operated position to render the operation of said push button effective.

2,485,241
RUST INHIBITING COMPOSITION
Jones I. Wasson, Union, and James W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1947, Serial No. 780,770
4 Claims. (Cl. 252—49.8)

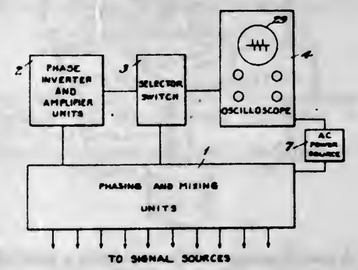
2. A composition consisting essentially of a mineral lubricating oil base containing dissolved therein 0.05 to 5% by weight of a member of the class consisting of sorbitan mono-oleate and pentaerythritol mono-oleate, and 0.05 to 3% by weight of a member of the class consisting of tributyl phosphite and tri-p-tert.-butylphenyl phosphite.

2,485,242
METHOD FOR OXIDATION OF AROMATIC HYDROCARBONS
Albert B. Welty, Jr., Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 5, 1946, Serial No. 645,664
11 Claims. (Cl. 260—342)

1. The method of oxidising naphthalene under controlled temperature conditions which comprises passing a mixture, comprising 0.5 to 2.0 mol percent of naphthalene vapor in air and water and maintaining controlled ratios of the components in said mixture whereby the sensible heat of the total mixture plus the latent heat of vaporization of the water equals the heat of reaction, over an oxidation catalyst comprising a wire screen coated with vanadium oxide at a rate of flow between 1 and 10 feet per second.



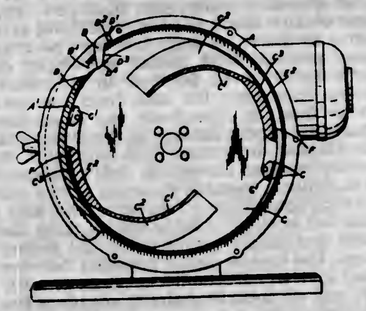
2,485,343
MULTIPLE INDICATING SYSTEM
Theodore Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application April 20, 1946, Serial No. 663,689
5 Claims. (Cl. 177—351)



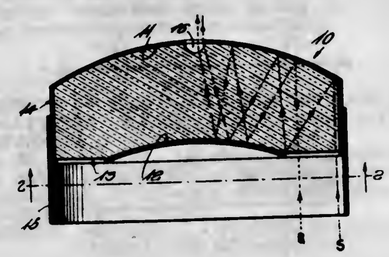
1. In a multiple indicating system, a plurality of electric signal potential sources, each source representing a different value to be indicated, an oscilloscope, an alternating-current power source, a plurality of signal phasing and mixing units each having a power input, a signal input, a signal wave output and means for adjusting the amplitude of each signal and the phase of the power voltage with respect to each signal to produce signal waves, connections from said power source to the power inputs of said units and to said oscilloscope, a connection from each signal source to the signal input of a different one of said units, connections from the signal outputs of said units to said oscilloscope, and means for effectively simultaneously reproducing said signals on said oscilloscope in the form of lines spaced along and extending preselected distances from a common axis when said values are of normal magnitudes.

2,485,344
MACHINE FOR SLICING POTATOES
Geoffrey Joseph Abbott, Carshalton, England
Application August 1, 1947, Serial No. 765,354
In Great Britain August 9, 1946
13 Claims. (Cl. 146—166)

1. A slicing machine comprising a stationary member carrying at least one knife adjacent to a discharge slot and a rotor within the stationary member including at least one channel-like passage or throat of converging cross-section having one wall formed by the circumferential wall of the stationary member and at least one piercing device situated in a space to the rear of the throat and adapted to pierce and hold any piece of potato which comes into engagement therewith, so that it is carried around with the rotor into engagement with a knife, said knife presenting a greater resistance to the passage of the potato than said piercing device, whereupon the piece of potato is left impaled upon the knife and the piercing member cuts through the piece of potato.



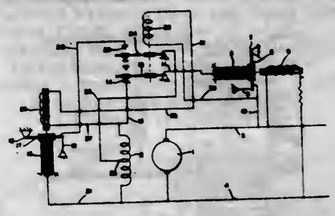
2,485,345
REFLECTING TELESCOPIC OBJECTIVE OF THE CASSEGRAINIAN TYPE
Abe A. Ackerman, Freeland, Pa.
Application May 16, 1946, Serial No. 670,255
7 Claims. (Cl. 88—57)



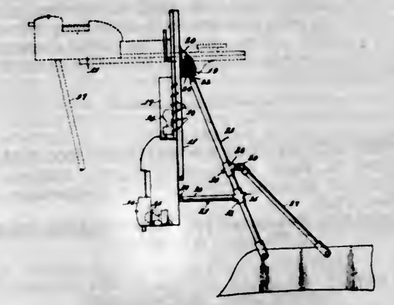
7. An objective for telescopes comprising a lens formation of the meniscus type, with opposite faces thereof symmetrical to the lens axis formed as mirror faces to constitute one face as the object mirror and the opposite face as the secondary mirror, the latter face including an annular planar zone surrounding the secondary mirror face and having an area approximately equal to the area of the secondary mirror face, the object mirror including an axial zone of non-mirror characteristic, said axial zone being in the form of a depression having its wall including a zone of curvature, the thickness of the lens and the relative dimensions of the faces thereof being such as to provide at least four reflections in series of a light ray entering the objective through the annular planar zone and emerging through said depression.

2,485,346
AUTOMATIC ELECTRIC REGULATING SYSTEM
Ralph G. Adams, Hackensack, and James H. Johnston, Paramus, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 27, 1946, Serial No. 679,640
14 Claims. (Cl. 322—24)

1. In an electric power system, a dynamo, a field winding for the dynamo, a first variable resistance means in circuit with said field winding for regulating current input to said field winding, a first coil responsive to a function of the dynamo output for controlling said regulating means, a second variable resistance means to complete a shunt circuit around a portion of said field winding, and a second coil responsive to the current input to said field winding for regulating said shunt circuit.

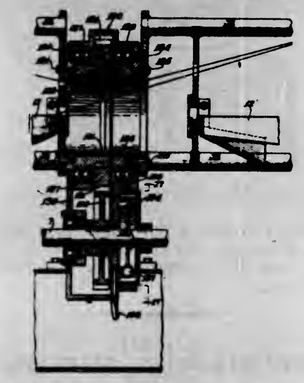


2,485,347
SUPPORT FOR BOWLING ALLEY MASKING UNITS
Robert I. Anderson, Grand Haven, and Bert Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application March 12, 1947, Serial No. 734,100
5 Claims. (Cl. 273—54)



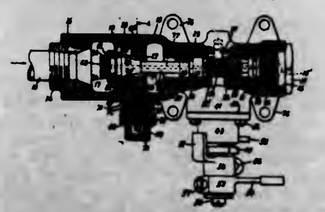
1. In combination with a bowling alley having a masking unit for the pin supporting end of the alley, a support for said masking unit comprising a substantially horizontal member, means for rotatably supporting the masking unit on said member at a point above the center of gravity of said unit, a base member below the horizontal member and at one side of the bowling alley, a post member having its lower end rotatably attached to the base member and its upper end rotatably attached to the horizontal member, so that the angular relationship between the post member and the base member may be varied to vary the location of the masking unit relative to the bowling alley, a bracing member extending between the post member at a point intermediate its ends and the base member and slidably attached to the post member and rotatably attached to the base member on an axis of rotation that is substantially at right angles to the bracing member, said bracing member including two portions hingedly attached together on an axis substantially at right angles to the bracing member, and a stop member mounted on the post member and against which the lower portion of the masking unit rests to maintain the unit in substantially vertical position.

2,485,248
WIRE ROPE MACHINE
Arni Arnasen, Winnetka, Ill.
Application November 26, 1947, Serial No. 788,147
19 Claims. (Cl. 57—59)



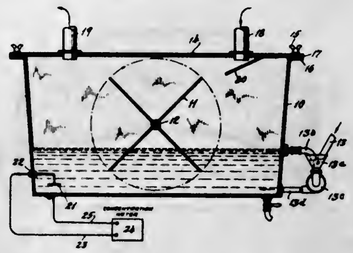
4. A wire rope machine including bobbin carriers in linear alignment, collar means rigidly interconnecting said carriers for joint rotation as a unit about an axis coincident with the axis of alignment thereof, power drive means including a countershaft extending parallel with said axis from a first to a last carrier, at least, a ring gear on each collar meshing with a driving pinion therefor on said countershaft providing intermediate carrier drive, and brake means coacting with said countershaft at a plurality of said intermediate drives.

2,485,249
COMBINED SHUTOFF AND METERING VALVE
Samuel R. Barr, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 24, 1945, Serial No. 630,673
5 Claims. (Cl. 277—53)



1. A fluid control valve having closed, minimum flow, and metering positions, comprising a substantially cylindrical body with an axial bore including axially spaced inlet and outlet chambers with a first reduced diameter bore portion communicating between said chambers and a second bore portion adjacent one of said chambers on the side remote from the other chamber, said body defining an annular valve seat at the juncture of the first bore portion with one of said chambers, an axially movable valve spindle arranged in said bore and having a disk portion arranged to engage said seat in the closed position and a first contoured portion arranged in the first bore portion and shaped so as to completely fill said bore portion in the closed and minimum flow positions and to cooperate with said seat to define a flow control orifice which varies as a function of spindle location in the metering positions, said body also defining a passage communicating with the outlet chamber and bypassing said first contoured spindle portion, said disk and first contoured portion being so constructed and arranged relative to the valve seat, first bore portion, and bypass passage that initial movement of the spindle from closed position to minimum flow position disengages the disk from the seat and permits fluid to flow from the inlet chamber through the bypass passage to the outlet chamber while further movement from minimum flow to metering position causes the first contoured portion to define a variable metering orifice with the seat, said spindle also having second and third cylindrical portions axially spaced from the first portion and slidably arranged in the second bore portion, the spindle being provided between said second and third cylindrical portions with rack teeth, and an actuating pinion engaging the rack teeth and carried on a shaft extending transversely of and journaled in said valve body.

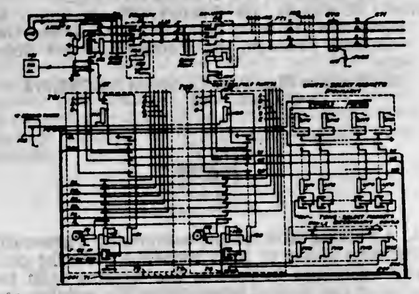
2,485,350
METHOD OF CARBONATING LIME AND OF SEPARATING THE SAME FROM MAGNESIA
William J. Barrett, Adams, Mass., assignor to New England Lime Company, Adams, Mass., a corporation of Massachusetts
Application December 4, 1943, Serial No. 512,912
14 Claims. (Cl. 23—66)



1. Process for carbonating lime which comprises charging powdered quicklime in dry condition directly into an agitated and carbonated body of water to form a suspension of said lime therein, regulating the introduction of dilute carbon dioxide into said water suspension at such a rate as to maintain the conductivity of the said suspension above that at the isoelectric point at the temperature obtaining, but within the unsaturated range with respect to the concentration of dissolved calcium hydroxide, and maintaining the temperature of the water above room temperature but below the boiling point of water.

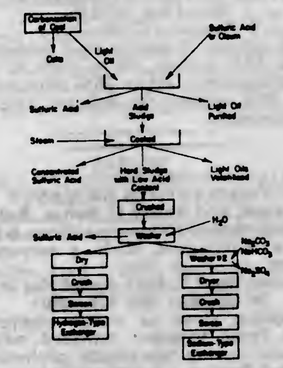
2,485,351
AUTOMATIC TELEPHONE SYSTEM
John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1944, Serial No. 564,293
30 Claims. (Cl. 179—18)

1. In a switching system, a group of selective primary switches and a group of selective secondary switches serially related for the extension of connections, separate multi-position selecting apparatus for each group, any switch in either group being operable to complete any one of a number of connections, depending upon the position currently occupied by the associated selecting apparatus, each group including one switch common to the remaining switches thereof, means effective when a desired connection is to be completed for correspondingly setting the selecting apparatus of each group and for operating each common switch to complete a temporary connection serially through the common switch of the other group in accordance with



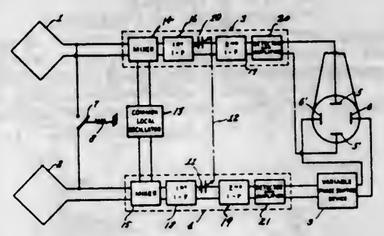
such setting, means controlled over the temporary connection for operating a remaining switch in each of the two groups to complete a relatively permanent connection in accordance with the setting of the selecting apparatus, and means for restoring the common switches to sever the temporary connection while leaving the relatively permanent connection established.

2,485,352
METHOD OF MAKING AN ION-EXCHANGE MATERIAL FROM LIGHT OIL ACID SLUDGES
John R. Bircher, Jr., Columbus, Ohio, assignor, by mesne assignments, to Interlake Chemical Corporation of Delaware, Cleveland, Ohio, a corporation of Delaware
Application September 7, 1946, Serial No. 695,501
2 Claims. (Cl. 252—179)



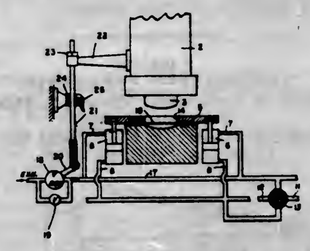
1. A method of producing an ion exchange material, which comprises treating with sulphuric acid the light oil derived from the carbonization of coal to produce a sludge that is insoluble in sulphuric acid, separating the sludge from the other components, cooking the sludge by subjecting it to direct contact with steam at temperatures between 212° F. and 300° F. to remove volatiles, and washing the cooked sludge until not more than about 0.3% acid remains.

2,485,353
RADIO DIRECTION FINDER
Herman Bernard Rudolf Boosman and Christiaan Jan de Lussanet de la Sablonière, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 1, 1946, Serial No. 666,248
In the Netherlands August 10, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires August 10, 1960
3 Claims. (Cl. 343—123)



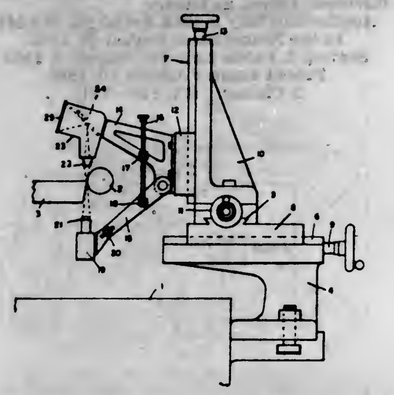
1. A direction finding system comprising two mutually perpendicular directional antennas, a pair of receivers, a cathode-ray indicator including first and second deflection means for deflecting the cathode ray in directions extending at right angles to one another, one of said antennas being coupled through one of said receivers to one of said deflection means and the other of said antennas being coupled through the other of said receivers to the other of said deflection means, a phase-shifting device interposed between one of said deflection means and the associated receiver, and switching means arranged to connect said two antennas in parallel relation.

2,485,354
METHOD AND APPARATUS FOR DRAWING SHEET METAL
Joseph B. Brennan, Bratenahl, Ohio
Application May 10, 1945, Serial No. 593,009
5 Claims. (Cl. 113—46)



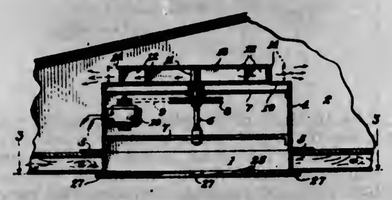
1. The method of drawing sheet metal which comprises placing a blank of sheet metal over a die, clamping such blank to said die, deforming the blank into said die by means of successive hammer blows of varying intensity, and varying said clamping pressure progressively during said drawing operation in accordance with variations in the force of the blows but independently of the resistance to drawing offered by such blank and solely in the interim between successive hammer blows.

2,485,255
PROJECTION APPARATUS FOR TOOL SETTING
Joseph B. Brennan, Cleveland, Ohio
Application August 13, 1945, Serial No. 610,589
4 Claims. (Cl. 88—24)



1. The combination with a machine of the character in which a workpiece element and a tool element are required to bear a predetermined relation, of a head provided with a bracket, means supporting said head on one side of said elements with the free end of the bracket disposed above said elements, a viewing device on said head carried at the free end of said bracket and including a downwardly facing lens above said elements, a mirror above said lens having its reflecting surface angularly disposed relative to said lens, and a viewing screen angularly disposed relative to said mirror, an arm having one of its ends pivotally connected to said head and the other of its ends disposed below said elements, an illuminating device carried by such other end of said arm and arranged to direct a beam of light toward said lens whereby a silhouette of said elements is projected through said lens and reflected by said mirror onto said screen, said arm being swingable to vary the distance between said lens and said illuminating device, and screw means between said bracket and arm for predeterminedly adjusting the distance between said lens and said illuminating device.

2,485,256
VENTILATING APPARATUS
Aldrich M. Brown and Michael L. Mascia, Montgomery, Ala.
Application November 12, 1947, Serial No. 785,404
12 Claims. (Cl. 230—114)



1. A ventilator including a casing, a centrifugal fan associated with the casing, a disc covering the upper side of the fan, an arcuate movable plate adjacent the periphery of the fan, said plate so positioned that the air discharged laterally from the centrifugal fan will impinge directly thereon, louvers at the entrance end of the ventilator casing, and a mechanical connection between the movable plate and the louvers to open the louvers when the fan is operated.

2,485,357
FERRULE FOR WELDING STUDS
Albert M. Candy, La Grange, Ill., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application May 5, 1947, Serial No. 746,074
2 Claims. (Cl. 219—8)



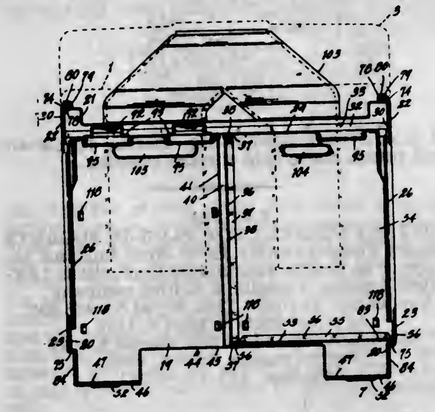
1. A welding stud ferrule comprising a generally cylindrical collar of heat resisting material centrally apertured to receive the welding stud for confining the molten products of the welding operation and excluding the atmosphere therefrom, said collar having a recess in its outer surface between the upper and lower faces thereof for receiving gripping means to hold the same in place with respect to the welding stud while the welding operation is being performed, the upper edge of said collar having an inclined planar surface defined by a plane intersecting said collar intermediate its upper surface and said recess to facilitate automatic gripping of the same by the gripping means by relative rotation of said collar and gripping means after movement of the latter into registry with said recess over said inclined surface.

2,485,358
FREE MACHINING STEEL
Samuel L. Case, Columbus, Ohio, assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey
No Drawing. Application January 29, 1947, Serial No. 725,170
2 Claims. (Cl. 75—123)

1. A free cutting Bessemer steel containing not more than .08% carbon, .05 to .30% sulphur, .45 to 1.00% manganese, .06 to .25% phosphorus and less than .01% silicon, the balance iron and incidental impurities.

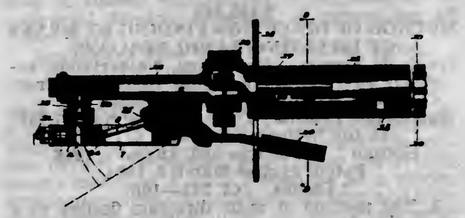
2,485,359
COOKING STOVE OR RANGE
James M. Cook and Shirly C. Salter, Kalamazoo, Mich., assignors to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich., a corporation of Michigan
Application April 5, 1945, Serial No. 586,702
20 Claims. (Cl. 126—39)

1. A cooking stove or range comprising a frame-like front member provided with door openings and having rearwardly projecting bottom and end flanges, a back wall having flanges at its end edges, top end cross members disposed with their front ends within the end flanges of said front frame member and welded thereto and lapped upon the end flanges of said back wall and welded thereto, bottom end cross members having their front ends disposed within the end flanges of said front frame member and welded thereto and lapped upon the end flanges of said back wall and welded thereto, a combustion chamber bottom member having flanged edges, its rear flange being welded to the back wall and its front flange being welded to the inner side of said front frame member and its end flanges welded to said top end cross members, said burner chamber bottom member having a transverse central slot-like air inlet opening therein, a vertical partition member provided with a rear flange welded to said back wall and a front flange welded to the inner side of said front frame member, and an air flue member disposed in spaced relation to said partition member and having offset vertical edges welded to one side thereof to provide a flue open at the bottom and delivering to said central air inlet opening of said burner chamber bottom, said several parts so arranged and connected constituting a rigid unitary frame structure adapted to receive and support outer elements.



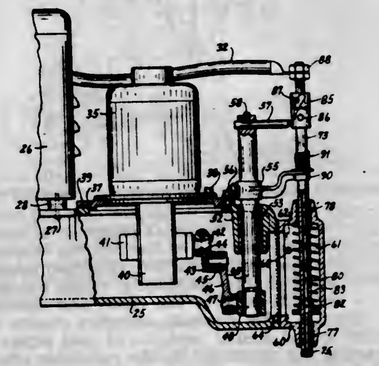
20. A stove or range comprising a front frame, a rear member, end members fixedly secured to said front frame and rear member and having portions thereof of substantial area struck inwardly to provide inner air flue walls, end walls having inturned flanges at the top thereof retainingly supported on top of said end members and front flanges overlapping said front frame, said end walls constituting outer flue walls, and a top unit having a depending front and end portions, said end portions having inturned flanges at the bottom edges thereof, said inturned flanges being secured to said end members.

2,485,360
HOLDER FOR ARC WELDING AND ARC CUTTING OF METALS
Rene D. Celinet, Philadelphia, Pa., assignor to La Soudure Electrique Autogene S. A. Brussels, Belgium
Application June 5, 1947, Serial No. 752,728
In Belgium April 1, 1947
7 Claims. (Cl. 219—8)



1. An electrode holder for electric arc welding or cutting or the like with tubular electrodes, comprising a handle, a body mounted on the handle, a gas connection supported on the body, a pair of cooperating gripping jaws pivotally mounted on the body and adapted to swing from a position remote from the gas connection to a position adjacent the gas connection and insert the end of a tubular electrode into the gas connection, and means operative by swinging the jaws toward the gas connection for locking the jaws and operative by swinging the jaws away from the gas connection for releasing the jaws.

2,485,361
BROKEN TAP REMOVING
William B. Condit, Harry E. Helfrick, and Ernest T. Poole, Springfield, Ohio, assignors to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application September 6, 1944, Serial No. 552,850
16 Claims. (Cl. 219—15)



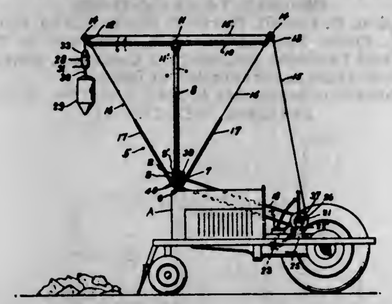
1. A method of removing an element such as a broken tap and the like from a work piece while leaving the work piece substantially unaffected which comprises periodically bringing a burning electrode into and out of electrical contact with substantially the entire core of the element, supplying an oxidizing fluid under pressure to the immediate vicinity of the burning zone, and concurrently producing relative movement between said electrode and said element while said electrode is in said electrical contact therewith to burn out the core of said element while avoiding objectionable heating of the adjacent wall of the work piece.

3. A device for removing elements such as broken taps and the like from a work piece which comprises a burning electrode having a diameter substantially corresponding with the body diameter of said element, means for rotating and periodically bringing said burning electrode into electrical contact with said element and separating the same to form repeating burning arcs effecting removal of substantially the entire body of said element while leaving the material of the work piece substantially unaffected, and means for concurrently supplying a flow of oxidizing fluid directly to and upon the surface of the element in contact with the electrode.

2,485,362
ROCK CRUSHER
Albert E. Coryer, Racine, Wis.
Application March 4, 1946, Serial No. 651,954
2 Claims. (Cl. 241—273)

1. In the combination with a bulldozer, a rotatable shaft mounted thereon adjacent its front

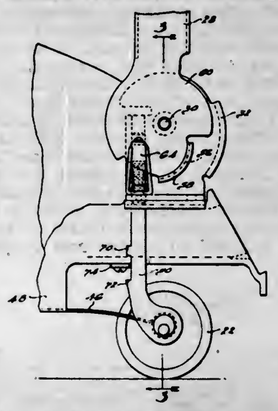
end, a standard loosely supported by said shaft, a clutch connecting the standard to the shaft, a rack locking the standard in elected positions around the shaft, a beam, a universal joint securing the beam to the free end of the standard, sheaves secured to said beam, sprocket wheels loosely disposed on the opposite ends of the shaft, clutches connecting the sprockets to the shaft, a counter-shaft journalled on the bulldozer to the rear of the rotatable shaft, power transmitting means connecting said counter-shaft to the take-off of the bulldozer, a yieldable windlass mounted on said counter-shaft, a cable wound around said windlass with its outer portion trained over said



sheaves, a shock absorber yieldingly secured to the free end of the cable, a flexible element secured to the lower end of the shock absorber, a hammer secured to the free end of the flexible element, a sprocket chain connecting the aforesaid rotatable and counter-shafts, stabilizing slings connected to the opposite ends of the beam and extending on opposite sides thereof, sprocket chains connected to the medial portions of said slings and engaging the sprockets on the rotatable shaft, a clutch on said counter-shaft connecting the aforesaid sprocket chain to the take-off shaft, a trip clutch connecting the counter-shaft and windlass to the take-off shaft, and dogs engaging the loose sprocket wheels of the rotatable shaft.

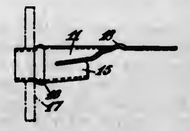
2,485,363
NOZZLE HEIGHT ADJUSTMENT ARRANGEMENT FOR SUCTION CLEANERS
George R. Coss, Detroit, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application August 2, 1944, Serial No. 547,695
8 Claims. (Cl. 15—358)

1. In a suction cleaner having a floor nozzle, front wheels mounted on the cleaner rearwardly of said nozzle, a handle pivoted to said cleaner, rear wheels for said cleaner and mounted thereon so as to be relatively movable vertically with respect thereto, spring means associated with said rear wheels and operative for biasing the rear of said cleaner upwardly so as to pivot the cleaner about said front wheels thereby to depress said nozzle into contact with the surface covering to be cleaned upon which said cleaner may be arranged, a breakable connection between said rear wheels and said handle including a link movable with said rear wheels and having teeth and a rotary member movable with the handle in its pivoting movement and rotatable about the pivotal axis of said handle on the cleaner, said rotary member having an eccentric part which is engageable with said teeth but is disengaged therefrom when said handle is in a vertical position, said rotary member being engageable with one of said teeth upon movement of said handle out of its vertical position and operable through said link for moving the rear



of said cleaner downwardly thereby to elevate said nozzle above said surface covering.

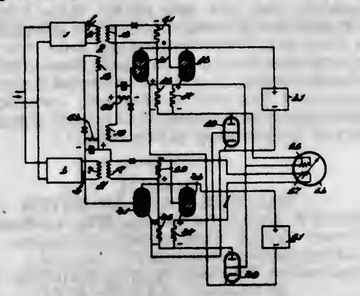
2,485,364
CONTACT ELEMENT FOR PLUG-IN SOCKETS
Stanley Thomas Deakin, Ewell West, England, assignor to British Mechanical Productions Limited, London, England, a British company
Application August 2, 1946, Serial No. 688,033
In Great Britain April 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 4, 1965
3 Claims. (Cl. 173—328)



2. An electrical socket member of tubular form divided over a substantial portion of its length into three tongues by three parallel-sided open-ended slots formed in the tubular wall and extending as to one slot lengthwise of the tube and as to the other two slots obliquely to the length of the tube, the tongue located between the two slots being of extended length and constituting an attachment lug for a lead wire and the other two tongues together encompassing more than a semicircle of radius which is, at the free ends of the two tongues, smaller than the radius of the extended tongue at the same position in the length of the socket and which is struck from a center offset from the main axis of the contact towards the extended tongue.

2,485,365
METHOD OF DIRECTION FINDING BY MEANS OF ROTATING RADIO BEACONS
Frank de Fremery, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 11, 1947, Serial No. 727,767
In the Netherlands March 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 6, 1964
7 Claims. (Cl. 343—106)

1. The method of radio direction finding at a receiving site in a beacon system wherein a rotating radiation pattern having a distinct minimum is emitted, said radiation being provided with a modulation signal whose frequency is altered at the instant said rotating pattern passes through a first reference direction and is restored to its original value at the instant the pattern passes through a second reference direction, comprising the steps of receiving said radiation to derive said modulation signal therefrom, indicating said signal to determine the time interval between the moment at which the frequency of said signal is altered and the instant at which



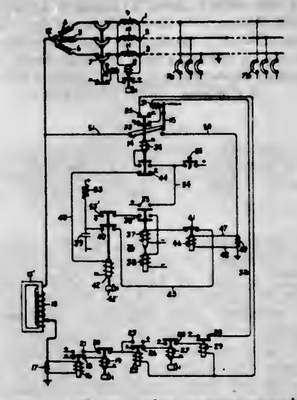
the strength of said signal falls below a predetermined value, indicating said signal to determine the time interval between said moment and the instant at which the strength of said signal exceeds said predetermined value, and combining said indications to provide a resultant indication of the time interval between said moment and the instant at which said minimum is aligned with said receiving site, the last mentioned time interval providing an index to the orientation of said receiving site relative to said transmitting site.

2,485,366
RESOLUTION OF CONSTANT BOILING MIXTURES OF CHLOROSILANES
Philip Anthony Di Giorgio and Arthur Edward Newkirk, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application December 15, 1948, Serial No. 65,506
5 Claims. (Cl. 260—448.8)

1. The method which comprises effecting reaction at a temperature of from about 100° C. to 350° C. between (1) a monohydric phenol free of substituent groups reactive toward chlorosilanes and (2) a constant boiling mixture of trimethylchlorosilane and tetrachlorosilane, and separating the aroxy silanes so formed.

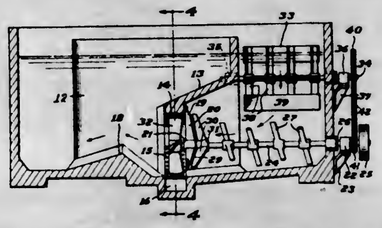
2,485,367
GROUND-FAULT NEUTRALIZER BY-PASS SWITCH REOPENING EQUIPMENT
Noel E. Dillow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 30, 1948, Serial No. 36,108
7 Claims. (Cl. 171—97)

7. In combination, a neutral grounding reactance for suppressing transient ground faults in a polyphase power system, a by-pass switch for shunting the reactance, separate electroresponsive devices for opening and closing the switch, means including a relay responsive to a predetermined current through the reactance and time delay means operated under control of said relay for energizing the switch closing device when the predetermined current flows through the reactance for a predetermined time interval, a condenser having a time delay charging circuit and means including a normally closed time delay switch connected to be energized upon each opening of the by-pass switch and operable with a time delay upon a deenergization thereof when the by-pass switch closes to the closed position and a normally closed relay operated to the open



position upon a flow of by-pass current through the switch above a predetermined value for jointly completing a discharge circuit for the condenser to effectively energize the by-pass switch opening device as soon as the by-pass current falls below the predetermined value after a predetermined effective condenser charging time following each opening of the by-pass switch.

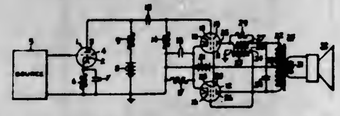
2,485,368
PULPER
George W. Dodge, Hoosick Falls, N. Y., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y., a corporation of New York
Application January 9, 1947, Serial No. 721,003
6 Claims. (Cl. 92—37)



1. A pulper comprising a tub including a bottom and sides, an upstanding midfeather mounted on the bottom but clear of the sides, a cross wall between the midfeather and tub side on one side of the said midfeather, the said cross wall being perforated to form an opening for the passage of stock through the said cross wall, side walls for the said opening extending axially of the said opening and perforated to form a discharge outlet, an extractor screen in said discharge outlet adjacent the side walls of the said opening, a shaft coaxial with and extending longitudinally of said opening, a propeller fast on said shaft to rotate therewith within said opening located with its blade ends passing in rotation adjacent to the said extractor screen, a breaker unit fixed to said cross wall adjacent the inlet side of said opening and comprising a stationary

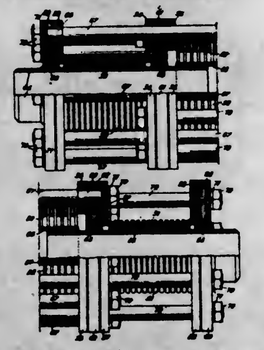
breaker member and a cooperating breaker member fast on said shaft to rotate therewith, and a plurality of longitudinally spaced mixing units fast on said shaft to rotate therewith in advance of said breaker unit.

2,485,369
PUSH-PULL AMPLIFIER SYSTEM
Robert B. Dome, Geddes Township, Onondaga County, N. Y., assignor to General Electric Company, a corporation of New York
Application December 4, 1947, Serial No. 789,647
3 Claims. (Cl. 179—171)



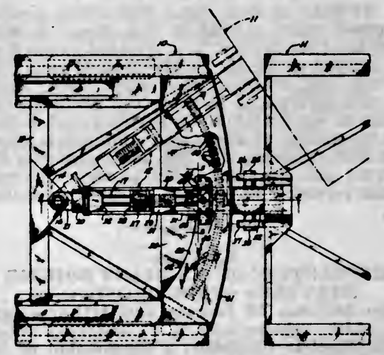
1. In combination with a single-ended source of signal voltage, an electronic amplifier system comprising a pair of electron discharge devices connected in push-pull, said devices having respective anodes and control electrodes, said source being connected to the control electrode of one of said devices, means comprising a first transformer for coupling the output of said system to a useful load, a second transformer having a primary winding connected in the anode-cathode circuit of said one device and having a resistance in parallel therewith, and the secondary winding of said second transformer being connected between the control electrode of the other of said devices and ground, and means for applying substantially equal positive unidirectional operating potentials to said anodes.

2,485,370
PRESSURE-BALANCED PIPE-EXPANSION JOINT
Albert Dreyer, Lucerne, Switzerland
Application June 26, 1946, Serial No. 679,432
In Switzerland October 8, 1945
2 Claims. (Cl. 285—162)



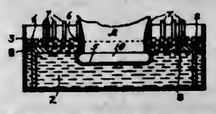
1. A pressure-balanced axially acting pipe expansion joint of the class described comprising two pipe lengths of pipe-line diameter, an intermediate short tube mounted loose on the inner ends of the said pipe lengths, a flange each fastly secured to the outer ends of the latter, a loose flange each disposed on the said pipe lengths near the ends of the said intermediate tube, a corrugated tube each mounted on the said pipe lengths, a corrugated tube mounted on the said intermediate tube and affording an active area equal to that of the other two corrugated tubes combined, the said corrugated tubes forming adjacent intercommunicating chambers subjected to the line pressure and axially defined by the said flanges, a set of flanges to which the ends of the said corrugated tubes respectively are fastly secured and which are located on the said other flanges respectively, and two sets of alternating tie bolts each interconnecting the fast-flange aggregate at the outer end of each external corrugated-tube chamber with the loose-flange aggregate at each end of the intermediate chamber, the two sets of tie bolts alternating with and overlapping each other about the latter upon axial expansion of the joint due to cooling and shortening of the pipe the outer corrugated-tube chambers are extended and the intermediate chamber contracted, and vice-versa upon axial compression of the joint due to heating and lengthening of the pipe.

2,485,371
TRACTOR-TRAILER HITCH
Edward F. Duffy, La Crosse, Wis., assignor to La Crosse Trailer Corporation, La Crosse, Wis., a corporation of Wisconsin
Application February 9, 1949, Serial No. 75,411
20 Claims. (Cl. 280—33.05)



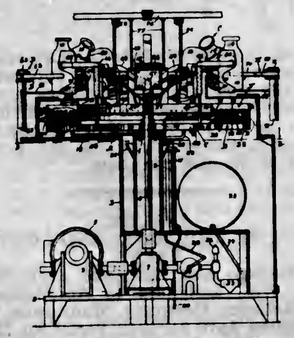
1. In a hitch for coupling a trailer and a tractor, an extensible drawbar adapted to be swingably connected at one end to a tractor and adapted to be connected at the other end to a trailer, said drawbar having a rotatable portion formed with a cam surface and having a non-rotatable portion formed with a cam surface, said cam surfaces being cooperable to cause relative longitudinal movement of said drawbar portions in response to rotation of said rotatable portion of the drawbar; and means associated with said drawbar for causing rotation of said rotatable drawbar portion upon swinging movement of the drawbar.

2,485,372
PROCESS FOR CAPPING BOTTLES
Walter O. Farrell, Racine, Wis., assignor to Rainfair, Inc., Racine, Wis., a corporation of Wisconsin
Application December 22, 1945, Serial No. 636,925
1 Claim. (Cl. 18—57)



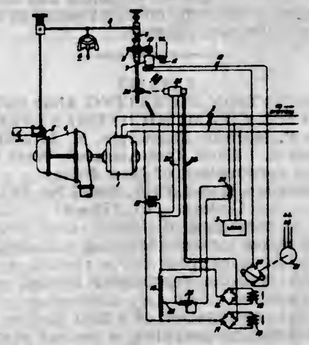
The process of capping bottles which consists in depositing a quantity of plastic material in liquid form upon the surface of a body of water, allowing the material to spread in a film upon the water surface, confining the spreading of the material to a given area, and then placing the end of the bottle in contact with the film and forming the film into contact with the bottle surface and forcing the film below the water surface by lowering the end portion of the bottle into the water.

2,485,373
APPARATUS FOR HOODING OR CAPPING BOTTLES
Walter O. Farrell, Indianapolis, Ind., assignor to Rainfair, Inc., Racine, Wis., a corporation of Wisconsin.
Application March 29, 1946, Serial No. 657,997
6 Claims. (Cl. 18—1)



1. In a machine of the class described, the combination of a receptacle containing a body of water, means for forming a flat film of plastic material upon the surface of said body of water, and means for pressing the mouth end of a bottle on to the film, thereafter submerging both the mouth end of the bottle and the film in the water to conform the film to the mouth end of the bottle and subsequently removing the film from the water surface.

2,485,374
TURBINE-GENERATOR LOAD CONTROL SYSTEM
Sherman B. Farnham and Raymond Sheppard, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 27, 1947, Serial No. 776,550
9 Claims. (Cl. 290—40)



1. A regulating system for a prime-mover driven electric generator connected to supply power to a variable load comprising, a speed governor for said prime mover, control means for adjusting the calibration of said speed governor, means responsive to current variations in said load for supplying a corrective signal to said governor adjusting control means, the speed of said prime mover being controlled simultaneously by said governor and by said control means, and position-operated means responsive to the adjusted position of said governor for supplying a signal to said control means in opposition to said corrective signal.

2,485,375
CUTLERY
Clarence E. Flynn, St. Louis, Mo.
Application August 29, 1945, Serial No. 613,262
1 Claim. (Cl. 30—295)

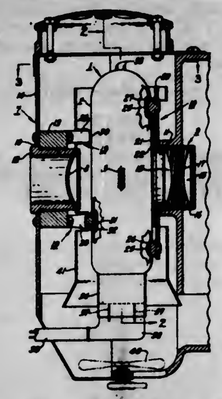


A reversible guard for a cutlery handle, the latter having a space in which is contained a non-cutting extension from a cutting blade and having a transverse slot which is spaced in the handle a substantial distance from the cutting blade itself, said guard having a passage accommodating the non-cutting handle extension, whereby the guard may move and the extension act as a stop for the guard, the guard being movable to and from opposite positions in each of which one end of the guard is flush with one edge of the handle and the other end of the guard extends from the opposite edge of the handle, the width of the guard being no greater than the width of the handle between its sides.

2,485,376
CORROSION-RESISTING LUBRICATING COMPOSITIONS
Frank J. Glavis, Elkins Park, and Harry T. Neher, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application February 13, 1947, Serial No. 728,388
8 Claims. (Cl. 252—33.4)

1. Composition of matter consisting essentially of a diester of a saturated aliphatic dicarboxylic acid of six to ten carbon atoms and an aliphatic monohydric alcohol of four to fourteen carbon atoms in which there is dissolved from 1% to 7.5% of an oil-soluble petroleum sulfonate and from 0.5% to 2% of an oil-soluble alkylphenoxypolyethoxyethanol having an alkyl group of four to twelve carbon atoms and having three to five ether linkages, the amount of diester, sulfonate, and alkylphenoxypolyethoxyethanol totalling 100%.

2,485,377
PROJECTION LAMP AND MOUNTING THEREFOR
Wilfrid Griffin, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application May 21, 1946, Serial No. 671,353
7 Claims. (Cl. 240—41.3)



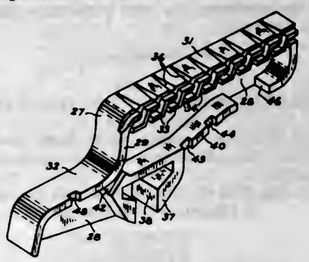
1. In combination, an electric lamp comprising a light source in an enclosing tubular envelope, light directing means at one side of the lamp opposite the light source, and opposed holder means engaging opposite sides of the lamp envelope to support the lamp in place, said envelope and holder means being provided with matching protuberances and depressions for holding the lamp with its light source positioned in definite relation to said light-directing means, said matching protuberances and depressions being located at one side of the envelope at spaced points therealong oppositely remote from the light source therein.

2,485,378
METHOD OF INHIBITING FOAMING IN STEAM BOILERS
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 8, 1943, Serial No. 513,478
6 Claims. (Cl. 252—321)

1. The method of generating steam from a boiler water having a tendency to foam on boiling which comprises dispersing into said water a substance selected from the group consisting of castor oil and castor oil esterified at its hydroxyl groups with a fatty acid containing at least sixteen carbon atoms, together with a fatty acid ester-amide of a hydroxyl alkyl amine, said fatty acid containing at least twelve carbon atoms, and boiling the resulting dispersion, said dispersed substances each being present in an amount of at least 0.2 part per million of boiler water.

2,485,379
GRATE CLIP FOR TRAVELING GRATE STOKERS
Fred B. Hall, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application January 30, 1948, Serial No. 5,424
4 Claims. (Cl. 110—40)

1. A grate clip for traveling grate stokers in the form of an elongated narrow metal body comprising a vertical web, a flange at the upper edge of the web providing an elevated fuel supporting surface at the leading end of the clip and a depressed surface at the trailing end of the clip in position to underlie the leading end of an adjacent clip at assembly, the fuel supporting portion of the flange having channels



therein for the flow of air to the fuel, and a lower flange located beneath the fuel supporting portion of the first mentioned flange and spaced downwardly therefrom, the said lower flange extending near the leading end of the clip and having openings therethrough for the flow of air upwardly to the said channels.

2,485,380
PRESSURE INDICATOR AND CONTROL VALVE
Harold Hansen and Lawrence Seefeldt, Manitowoc, Wis., assignors to Aluminum Goods Manufacturing Company, Manitowoc, Wis.
Application April 21, 1945, Serial No. 589,677
9 Claims. (Cl. 137—53)

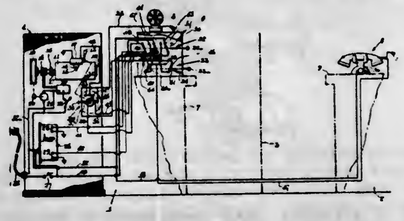


1. A pressure control and relief valve comprising a valve stem having a passage therethrough, a valve member adapted to be seated upon said valve stem and to be held thereon by gravity, said valve member having a plurality of recesses adapted to be selectively fitted over the valve stem, the valve member being provided with contact edges in the recesses engaging the valve stem and exposing different effective areas to the outlet of the valve stem passage.

2,485,381
COMBINATION DICTATING AND INTER-OFFICE-COMMUNICATING SYSTEM
Aurelius P. Hornor, Montclair, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application May 7, 1946, Serial No. 667,815
5 Claims. (Cl. 179—6)

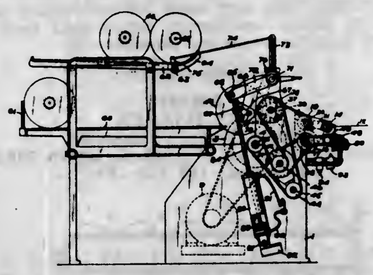
1. In a combined dictating and interoffice-communicating system including a dictating machine having a support for a record, a record-cooperable recorder-reproducer means, an electrical amplifier and a microphone-receiver means: the combination of a first station including said dictating machine; a second station including a microphone-receiver means; a unitary service selector switch comprising pole members

connected respectively to the input and output of said amplifier; pairs of contacts associated with said pole members respectively; a unitary dictating direction-control switch comprising two pole members and respective pairs of associated contacts, said last-mentioned pole members being connected to corresponding contacts of the contact pairs of said service selector switch; circuit means connecting non-corresponding contacts of said dictating direction-control switch to said recorder-reproducer means; circuit means connecting the other non-corresponding contacts of said dictating direction-control switch to the microphone-receiver means associated with said



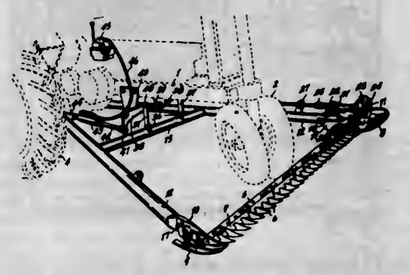
dictating machine; a unitary interoffice-communicating direction-control switch comprising two pole means and respective pairs of associated contacts, said last-mentioned pole members being connected to the other corresponding contacts of said contact pairs of said service selector switch; circuit means connecting non-corresponding contacts of said interoffice-communicating direction-control switch to the microphone-receiver associated with said dictating machine; and other circuit means connecting the other non-corresponding contacts of said interoffice-communicating direction-control switch to the microphone-receiver of said second station.

2,485,382
SPOOLER
Irving C. Howes, North Andover, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application November 20, 1947, Serial No. 787,231
14 Claims. (Cl. 28—32)



4. In a spooler having a driven drum on which the yarn mass rests and is wound thereby on a spool having heads and gudgeons extending beyond the heads, the combination of a shaft journaled above and parallel with the drum, a pair of arms secured to the shaft, gudgeon supports on the arms having open bearings for the gudgeons, a track to support wound spools extending rearward and downward from the winding position of the spool, a second track to support empty spools above the first track sloping forward and downward, and a power operated means connected to the shaft operable either to maintain the spool pressed against the drum during the winding operation or to raise the arms to a position to allow the wound spool to roll out of the open bearings onto the first track or to raise the arms to a higher position to allow an empty spool to roll from the second track into the open bearings.

2,485,383
MOWER ATTACHMENT FOR TRACTORS
Leo E. Hoyt, Climax, Mich.
Application May 26, 1947, Serial No. 750,515
5 Claims. (Cl. 56—25)



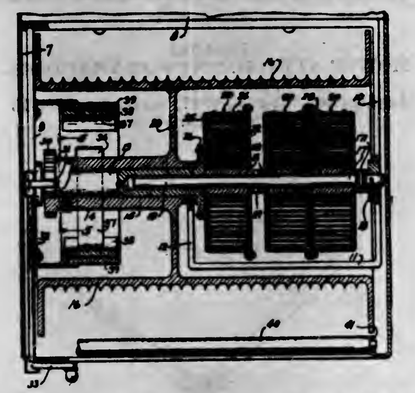
1. A mower attachment for a tractor, comprising a frame including a pair of diverging arms, a cutter bar connected at its ends between the widely spaced ends of the diverging arms, pivotal attaching means at the other ends of the diverging arms, a sickle blade reciprocably mounted on the cutter bar, a rotatable power shaft carried by one of said diverging arms and extending lengthwise thereof from end to end, power take-off means at one end of the power shaft operatively connected to the sickle bar for actuating the same, and driving means at the other end of the shaft adapted to be connected to a source of power, a cross bar connecting said arms intermediate the cutter bar and the pivotal attaching means, and means connected to said cross bar for raising and lowering the frame.

2,485,384
ADJUSTABLE FINGERNAIL POLISH GUIDE
Gilda Klein, Rockaway Beach, N. Y.
Application October 15, 1947, Serial No. 780,087
9 Claims. (Cl. 132—88.5)



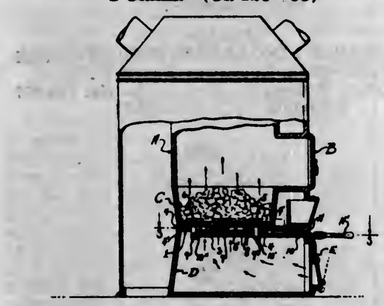
1. In a finger nail stencil and support, in combination, a substantially parti-cylindrical casing, said casing being split longitudinally into two half portions, said half portions being relieved so as to constitute a stencil for lacquering a finger nail, and a resilient handle, said handle comprising a bight portion and two leg portions, said leg portions comprising upper transversely extending portions crossing each other, said half portions being mounted on said upper portions.

2,485,285
REEL
Jerome S. Komassa, Milwaukee, Wis., assignor, by mesne assignments, to Rodger F. Becker, Kalamazoo, Mich.
Application August 13, 1945, Serial No. 610,501
8 Claims. (Cl. 242—102)



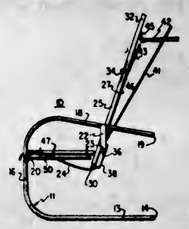
1. The combination with a mounting bracket comprising three aligned supports, of a reel shaft rotatable between two of said supports and an aligned motor shaft extending between one of the reel shaft supports and the third support, a reel encircling said shafts and provided with means carrying it from said reel shaft for rotation, a set of volute spring motors certain of which have rotatable portions mounted on said motor shaft, said spring motors being provided with means connecting them in series between said motor shaft and reel, said spring motors being housed within said reel.

2,485,286
FURNACE GRATE
Anton E. Kosenski, Racine, Wis.
Application April 15, 1948, Serial No. 21,170
1 Claim. (Cl. 126—58)



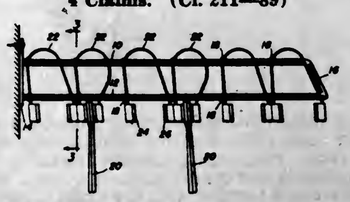
In a furnace having a firepot, a feed door above the firepot, an ashpit below the firepot, a ventilated clean-out ashpit door in communication with said ashpit, and a slot in the furnace wall above the ashpit door; the combination of a two part ring having lapped ends secured together, the lapped ends of the two-part ring being provided with a shouldered grate receiving face, bolts securing the ring to the bottom portion of the firepot wall, a perforated grate comprising two semicircular sections, hinges for connecting the two grate sections, the grate sections having matched shouldered edges seated upon the shouldered faces of the ring, aligned apertured ears depending from the grate sections one of the ear apertures being threaded, and a shaker rod having a binding collar and a threaded end engaging the threaded apertured grate ear, whereby said grate sections are clamped together.

2,485,287
RECLINING CHAIR
John Krakora, Park Ridge, Ill.
Application December 31, 1947, Serial No. 795,007
4 Claims. (Cl. 155—107)



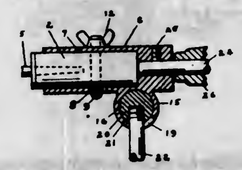
1. A reclining chair comprising a frame, a seat, means pivotally connecting the front of said seat to the front of said frame, a back, means pivotally connecting the bottom of said back to the rear of said seat for movement between a substantially upright position and a reclining position, a pair of spaced-apart rollers carried by said frame rearwardly of the pivotal connection between said seat and said frame, a pair of spaced-apart substantially U-shaped brackets carried by said back and positioned adjacent to said rollers, said brackets engaging said rollers and supporting said back and the rear of said seat when said back occupies its substantially upright position, said rollers engaging said back and supporting it and the rear of said seat when said back occupies its reclining position, said back riding upwardly and rearwardly upon said rollers and said seat pivoting upwardly about the front thereof with respect to said frame and the angle between said seat and said back becoming more obtuse as said back is moved from its substantially upright position to its reclining position, and means including a portion of said frame disposed above and rearwardly of said rollers and cooperating with said back for restraining said back in stable equilibrium when said back is moved into its reclining position.

2,485,288
SKIRT HANGER
George A. Kuhn, Chicago, Ill.
Application November 17, 1947, Serial No. 786,431
4 Claims. (Cl. 211—89)



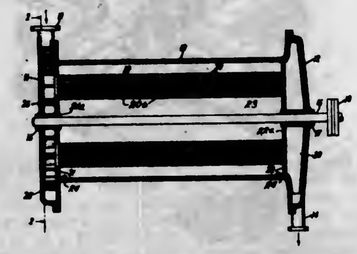
3. In a hanger for clothing, a support including a first and a second rod in vertically spaced relation, means for retaining articles of clothing including a resilient strap having a first pair of apertures spaced a distance equal to the distance between said rods, a second pair of apertures in said strap spaced a distance greater than the distance between said rods, thereby effecting a frictional lock with one of said rods for said strap, a plate secured to each free end of said strap for holding engagement with an article of clothing, and means associated with said rods for limiting the travel of said strap.

2,485,289
SAW FILING DEVICE
Wilfred L. La Clair, Rochester, N. Y.
Application October 23, 1947, Serial No. 781,714
3 Claims. (Cl. 76—36)



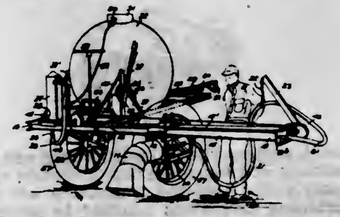
2. In a saw filing device the combination of a hollow bracket having a cylindrical hole therein, a cylinder mounted in said cylindrical hole, said cylinder having a core therein adapted to hold a file by its tang in line with the axis of the cylinder, said bracket being cut away on the underside with an arcuate slot, a U-shaped bolt having two threaded ends nested in said slot and making contact with said cylinder, lugs on either side of said bracket through which the threaded ends of said bolt extend upwardly, nuts engaging the said threaded ends to draw the U-shaped bolt up against its cylinder and its core to clamp them in the bracket, a handle swiveled on said bracket and adapted to turn thereon independent of the bracket, a pendulum attached to said bracket and adapted to hold the bracket and file in a predetermined angular position.

2,485,390
CENTRIFUGAL FLUID PURIFIER
Irving Langmuir, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 25, 1945, Serial No. 618,532
3 Claims. (Cl. 233—17)



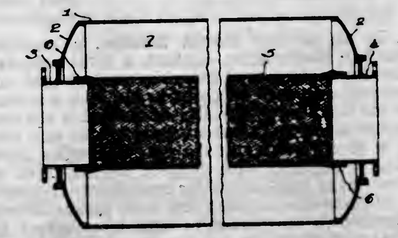
1. A fluid purifying device having in combination a multi-tubular rotor comprising an axial cylindrical drum and a plurality of adjacent nested substantially imperforate cylinders surrounding said drum in coaxial alignment for rotation therewith, enclosing means having a substantially fluidtight running seal with the opposite ends of said rotor for passing concentric columns of fluid through said cylinders for rotation therewith, and means for spinning said rotor at high velocity to establish high centrifugal forces in the rotating fluid inside each of said cylinders for diffusing fine particles therefrom to the inside wall of the corresponding cylinder.

2,485,291
ROADSIDE WEED BURNER
Arthur S. Lasseigne and Etienne J. Lasseigne, Reserve, La.
Application March 17, 1947, Serial No. 735,116
9 Claims. (Cl. 126—271.2)



1. In an apparatus for burning weeds and the like, a wheeled vehicle support, an elongated frame pivotally mounted on said support along one of its sides adjacent one end of said frame so that its other end portion extends laterally beyond said support, manually operable means on said support and having an operative connection with said frame for adjustably pivoting said frame relative to said support and located for access by an operator on said support, a burner slidably mounted on the extended portion of said frame, and manually operable means for adjustably sliding said burner along said extended frame portion and located for access by said operator on said support.

2,485,292
SILENCER WITH CLOTH GAS-CONDUCTING CONDUIT
Ralph L. Leadbetter, Roselle, Ill., assignor to Burgess-Manning Company, Chicago, Ill., a corporation of Illinois
Application December 13, 1944, Serial No. 568,035
9 Claims. (Cl. 181—48)

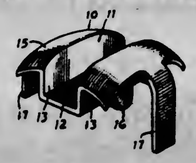


1. A silencer for pulsating gas streams comprising an elongated casing forming a chamber having an inlet opening at one end and an outlet opening at the other end thereof and a conduit having walls comprising a textile fabric pervious to air and sound extending from said inlet to said outlet opening and leaving a substantial space around said conduit within said chamber, said conduit forming a dilatable sleeve unconfined except adjacent the ends thereof.

2,485,293
DOOR GUIDE AND HOLDER
Raymond L. Locke, Macon, Ill.
Application April 10, 1948, Serial No. 20,239
3 Claims. (Cl. 16—1)

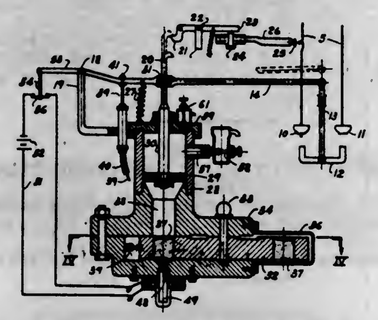
1. A door guide and holder of general inverted cupped shell-like body form with rounded surface contour throughout the extent of its protuberance above the normal surface of a floor or

supporting base on which the article is mounted, said guide and holder having a transverse channel depressed therein to receive slidably the lower edge portion of a door and for holding the adjacent portion of the door as so received from lateral



movement, and an integral reinforcing web or rib and fastener extensions on the underside of said guide and holder both the reinforcing web or rib and fastening extensions adapted to secure the article in place on the floor or supporting base.

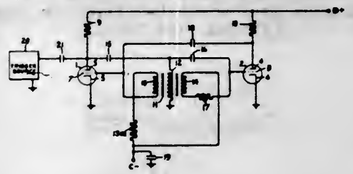
2,485,394
CIRCUIT CLOSER
James T. Logan, Atlanta, Ga., assignor to General Electric Company, a corporation of New York
Application March 17, 1945, Serial No. 583,384
3 Claims. (Cl. 200—82)



1. In an electric circuit breaker, a movable contact, a cooperating contact, a fluid actuated piston for moving said movable contact into engagement with said cooperating contact, a magazine for holding a plurality of explosive charges for generating and applying pressure to said piston, a pivotally mounted main operating lever laterally disposed with respect to the path of movement of said piston for operatively connecting said movable contact and said piston, means responsive to movement of said lever about its pivotal mounting for setting off one of said explosive charges in said magazine when said movable contact is moved out of engagement with its cooperating contact, and means actuated by movement of said lever about its pivotal mounting when said movable contact is being moved into engagement with said cooperating contact for moving said magazine so as to place another explosive charge in said magazine in a position to be set off in response to another separation of said contacts.

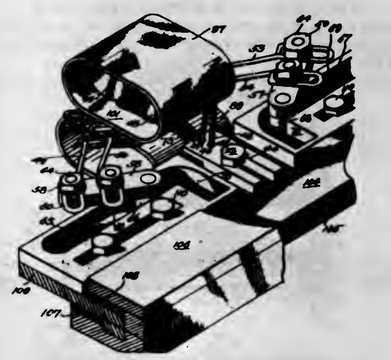
2,485,395
PULSE GENERATING CIRCUIT
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 11, 1945, Serial No. 587,689
6 Claims. (Cl. 250—27)

1. An electric pulse generating circuit comprising a pair of electron discharge devices having anodes, cathodes and control electrodes, means for impressing anode operating potentials on said anodes, means biasing said control electrodes negatively for normally maintaining both said discharge devices non-conductive, means for applying a triggering potential impulse to a first of said discharge devices in a sense to render it conductive, regenerative coupling means including a transformer connected between the anode and control electrode of said first discharge device, a



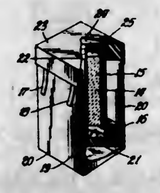
tertiary winding on said transformer energized for response to initiation of conduction in said first discharge device and arranged to impress a positive potential impulse upon the control electrode of said second discharge device, capacitive time delay means included in circuit between said tertiary winding and the control electrode of said second device for delaying said positive impulse by a predetermined time interval, and feedback means responsive to conduction in said second discharge device for rapidly rendering said first discharge device non-conductive.

2,485,396
FRINGE MACHINE
Rex Stuart MacCaffray, Jr., Boiling Springs, Pa., assignor to C. H. Masland & Sons, Carlisle, Pa., a corporation of Pennsylvania
Application January 23, 1947, Serial No. 723,778
13 Claims. (Cl. 154—1.76)



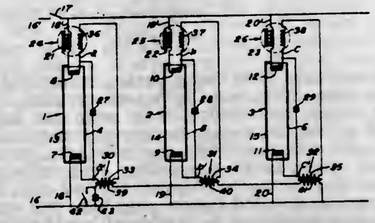
1. In a fringe machine, a pair of cooperating rolls, means for feeding tape through the rolls transversely to the axes, the tape having adhesive on one face thereof, a yarn carrier, means for moving the yarn carrier back and forth in front of the rolls, hook needles pivoted at the opposite ends of the rolls and means for swinging the hook needles alternately at the opposite ends of the rolls behind the yarn to engage it and form loops and toward the nip of the rolls to introduce the loops between the rolls against the adhesive side of the tape and thereby affix the yarn to the tape.

2,485,397
DRY CELL AND BATTERY SEAL
Allison M. MacFarland, Freeport, Ill., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Original application April 30, 1941, Serial No. 391,109, now Patent No. 2,389,674, dated November 27, 1945. Divided and this application July 11, 1945, Serial No. 604,381
7 Claims. (Cl. 136—133)



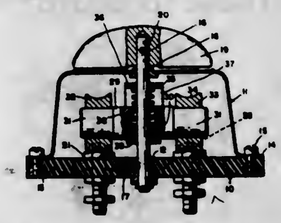
1. A dry cell having a metal tube open at at least one end thereof and within which is arranged an active mass, a jacket of inert film material around said tube and extending beyond an open end thereof and means for forming an expansion chamber within the portion of said jacket extending beyond said tube, said means comprising a gas-tight plug of sealing material within the portion of said jacket extending beyond said tube and spaced from the end of said tube, said sealing material being directly exposed to the space within said chamber.

2,485,398
STARTING AND OPERATING CIRCUIT FOR ELECTRIC DISCHARGE DEVICES
Arthur Mandl, Sheffield, England, assignor to General Electric Company, a corporation of New York
Application September 12, 1947, Serial No. 773,574
In Great Britain April 10, 1947
6 Claims. (Cl. 315—278)



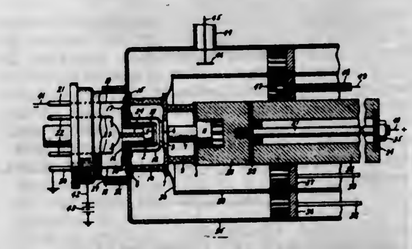
1. In combination, an alternating current supply circuit, an electric discharge device of the type employing an ionizable medium and comprising a plurality of electrodes at least one of which is of a filamentary type, an inductive ballast connected in series relation with one terminal of said source and one of said electrodes, and a preheating circuit connected between said one electrode and the other electrode and comprising an inductive means inductively associated with said ballast and a transforming means comprising a primary winding means connected in series relation therein and a secondary winding means for controlling the effective impedance of said preheating circuit to increase the preheating current and subsequently decrease the preheating current and for producing simultaneously with the decrease in preheating current a starting voltage across said electrodes by virtue of the change of current in the preheating circuit.

2,485,399
ELECTRIC SWITCH CONSTRUCTION
William H. Martin, Grosse Pointe, Mich.
Application June 10, 1946, Serial No. 675,553
6 Claims. (Cl. 200—6)



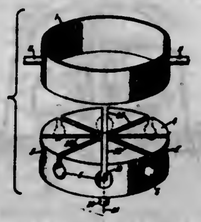
1. An electric switch having a supporting plate, a contact carrying member of insulating material supported at one side of the plate for rotation and having aligned journals spaced equal distances from the axis of rotation of said member, contact rollers respectively rotatably supported on the journals and insulated from each other by said contact carrying member, and a plurality of contacts fixed to the plate in concentric relation to the axis of rotation of the contact carrying member and spaced equal distances from each other in the path of the rollers, said contacts being insulated from each other and the space between the contacts being determined to enable successively bridging adjacent contacts by the rollers during rotation of the contact carrying member about its axis.

2,485,400
HIGH-FREQUENCY ELECTRON DISCHARGE APPARATUS
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 19, 1945, Serial No. 589,231
2 Claims. (Cl. 315—39)



2. An electron discharge device comprising an anode and a cathode having planar surfaces in opposed spaced relation, a pair of grids interposed between said surfaces, three transverse conductive members conductively supporting said anode and said grids in spaced relation and affording externally accessible terminals therefor, means maintaining said transverse members in spaced relation, a cylinder extending in a direction transverse to said conductive members constituting a support for and affording an externally accessible terminal for said cathode, a conductive cylinder concentrically surrounding said first mentioned cylinder in insulated relation thereto, and a control grid positioned between said electrodes and said cathode and supported by said conductive cylinder.

2,485,401
MAGNETRON
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 4, 1946, Serial No. 674,194
7 Claims. (Cl. 250—27.5)



1. A magnetron of the cavity resonator type comprising a cathode, an annular anode surrounding said cathode, said cathode and anode forming a generally cylindrical space adapted to accommodate a rotating electron space charge, and a pair of auxiliary electrodes disposed on opposite sides of said anode and each having a plurality of cavity resonators opening into said space whereby high frequency oscillations may be induced in said resonators by said space charge, said resonators having longitudinal axes extending in a plane normal to the axis of said anode.

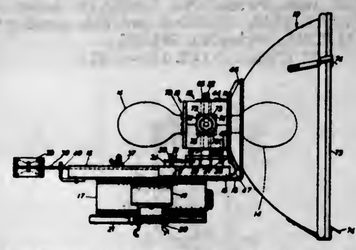
2,485,402
ELECTRIC RECTIFIER AND METHOD OF PRODUCTION
William H. Meiklejohn, Lynnfield Center, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1946, Serial No. 671,196
3 Claims. (Cl. 175—366)



1. The method of attaching an electric terminal to a copper oxide rectifier which consists in enveloping said rectifier with rosin, applying to a chosen contact surface a film of soldering metal having a melting point of at least 140° C. assembling the rectifier and terminal in contact at the surface covered with solder and heating such assembly while coated with rosin and under pressure to a temperature within a range of about 150° to 200° C.

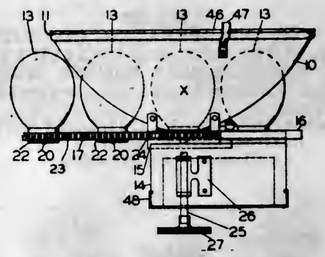
2,485,403
MULTIPLE FLASH LAMP DEVICE
Edward B. Noel, Cleveland Heights, and August W. Seitz, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application April 27, 1944, Serial No. 532,938
3 Claims. (Cl. 240—37)

1. A portable multiple flash lamp device comprising a support, a concave reflector affixed thereto for enclosing a flash lamp and having an opening spaced from its mouth for flash lamp replacements, stationary contacts of an ignition circuit for said lamps permanently juxtaposed to said reflector opening, and lamp replacement means mounted for reciprocation on said support in alignment with said opening to project and retract a lamp therethrough, said means comprising a rotatable spindle normal to the path of movement of said means, a lamp holder thereon radially supporting a plurality of lamps about said spindle and in a plane normal thereto and having contacts arranged in pairs for connecting a lamp in the reflector across the ignition circuit contacts, interlocking engagement means on said spindle and said holder for causing rotation of



the holder on rotation of the spindle and means on said replacement means and said support for rotating said spindle an angular distance sufficient to bring successive lamps into alignment with the reflector opening on reciprocation of the lamp replacement means.

2,485,404
MULTIPLE FLASH LAMP DEVICE
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application April 12, 1944, Serial No. 530,668
5 Claims. (Cl. 240—37)



1. A multiple flash lamp device comprising a battery box, a concave light-concentrating reflector having an opening in its sides and back so that a flash lamp may be moved transversely of its axis and completely therethrough, means on said box rigidly supporting said reflector thereon and in spaced relation thereto with its said opening directed toward said box, said support means being open to provide with said reflector opening a passage completely through said device, a slide positioned in said passage to guide a flash lamp carrying strip therethrough and to direct the lamps on said strip through said reflector opening, and electrical contacts mounted in said passage adjacent the extension of the reflector axis for engagement with contacts of a flash lamp located at the reflector focus.

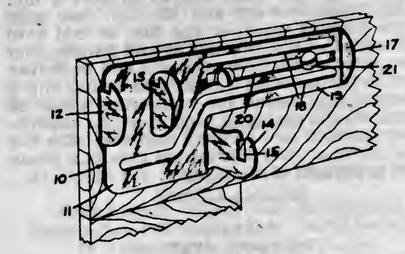
2,485,405
DIPOLE MICROPHONE
Benjamin Olney, Frank H. Slaymaker, and Willard F. Meeker, Rochester, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,168
17 Claims. (Cl. 179—102)

1. In a transducer, a microphone unit including a diaphragm cooperating with portions of said unit to define a chamber, an electrical element influenced by said diaphragm, a tube of substantial length for conveying sound pressure to said chamber and communicating at one end with



said chamber, the other end of said tube being disposed for picking up sounds to be communicated to said diaphragm, and means only at said other end of said tube for substantially eliminating the effect of standing waves therein.

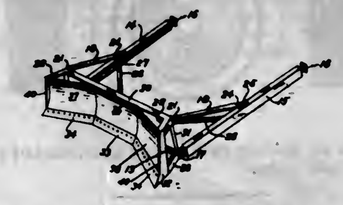
2,485,406
CURTAIN BRACKET
Herman Paine, Muncie, Ind.
Application May 6, 1946, Serial No. 667,538
1 Claim. (Cl. 248—259)



A bracket for attachment to a window casing comprising an L-shaped flat metal plate having a first arm integrally connected to one vertical edge of the plate and extending angularly from said edge, a second arm struck from said plate and extending angularly therefrom in spaced parallel relation to and in horizontal alignment with said first arm, and a third arm integrally connected to and extending angularly from another vertical edge of said plate, said third arm being spaced both horizontally and vertically from said first and second arms, said plate having a horizontally extending integral leg provided with a fastening slot, the free end of said leg being bent to form a finger grip thereon.

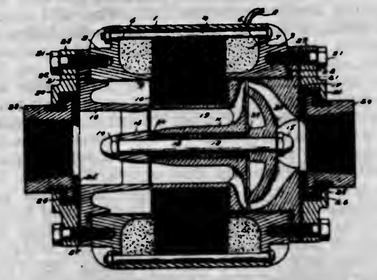
2,485,407
BULLDOZER
Robert A. Peterson, San Leandro, Calif.
Application April 8, 1947, Serial No. 740,048
6 Claims. (Cl. 37—144)

1. An earth cutting and moving implement adapted to be mounted on and propelled in front of a power-driven vehicle, comprising a cutting blade lying substantially in one plane and being of generally arcuate shape when viewed in plan with the outer side portions of the blade pointing ahead of the central portion of the blade as mounted on said vehicle; side arms secured to said vehicle along its side and extending forward; transverse pivotal connecting means securing said cutting blade to the forward ends of said side arms; support arms transversely pivoted to said cutting blade at points spaced apart from where said side arms are connected to said blade, and pivoted to the forward ends of said side arms aft of where the blade is connected thereto; and means for changing the length of said support arms in relation to that portion of said side arms which



lies between their forward ends and where said support arms are secured to it; whereby said arcuate cutting blade may be rotated about said transverse pivotal connecting means to bring the central portion of said blade into a lower cutting position than its outer side portions thereby reducing the effective cutting width of said blade.

2,485,408
MOTOR PUMP UNIT
Albert R. Pezzillo, Philadelphia, Pa., assignor to Republic Industries, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 14, 1948, Serial No. 27,031
5 Claims. (Cl. 103—87)



1. In a motor pump unit, a stator having a housing, a tubular rotor in the stator, an impeller within the rotor, a carbon sleeve bearing for the rotor, end members at the intake and discharge ends of the rotor, the member at the discharge end acting as a diffuser, a shaft fixed in said end members and on which the sleeve bearing is mounted, coupling members having gaskets molded thereon with flanges overhanging the end members, clamping rings engaging said gaskets and their flanges, and bolts securing said clamping rings and end members to the stator housing.

2,485,409
IMPARTING HIGH ENERGY TO CHARGED PARTICLES
Herbert C. Pollock and Willem F. Westendorp, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 5, 1946, Serial No. 639,462
12 Claims. (Cl. 250—27)

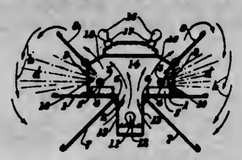
1. The method of imparting high energy to charged particles which comprises initially accelerating such particles along an orbital path by the action of a time-varying magnetic flux

linking said path and thereafter additionally accelerating said particles by the intermittent



action of an electric field acting at a selected portion of said path.

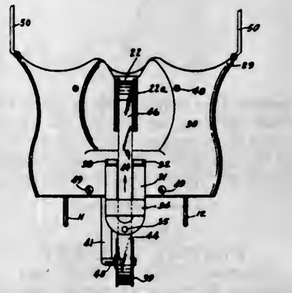
2,485,410
GERMICIDE LAMP INSTALLATION
Louis A. Pope, Melrose, Mass.
Application December 29, 1945, Serial No. 638,067
2 Claims. (Cl. 250—88)



1. A germicide lamp installation comprising two separate horizontally extending lamp-supporting plates arranged in parallel relation and occupying the same horizontal plane and spaced from each other to provide between them an elongated unobstructed air-circulating passage, a germ-destroying lamp tube mounted on the upper side of each plate near its inner edge and extending longitudinally thereof, said lamp tubes providing between them an unobstructed central zone which is subjected to the direct germ-destroying rays from said lamps, a shielding plate extending downwardly and outwardly from the inner edge of each lamp-supporting plate and also extending longitudinally thereof, said lamp-supporting plates and shielding plates being positioned to shield a person beneath the installation from any direct rays from the germ-destroying tubes including those rays projected into said air-circulating passage, said installation being open at both sides above the lamp-supporting plates thereby providing two side zones, one at each side of the installation, through which said germicide lamps project direct germ-destroying rays, and heat-producing means situated below the lamp-supporting plates and between the shielding plates by which an upward current of air is established through said air-circulating passage and through said unobstructed central zone and a resultant downward movement of air through the side zones, whereby the circulating air is subjected to the action of the direct germ-destroying rays from the germicide lamps during both its upward and its downward movement.

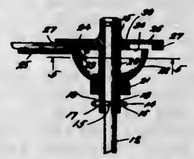
2,485,411
MICROFILM READING SPECTACLES
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application August 30, 1945, Serial No. 613,647
2 Claims. (Cl. 88—1)

2. Microfilm reading spectacles adapted to be worn by the user including a casing adapted to rest against the user's nose and including means for securing said casing to the user's head, said casing forming a chamber having a front wall, a film gate comprising a fixed member and a movable member overlying said fixed member, said members being positioned on the upper edge of said wall and defining therewith an aperture, interpupillary spaced eye flanges formed in the wall of said casing opposite said first wall, a binocular optical system in said chamber having its front focal focus at the plane occupied by film in said aperture, means including pins projecting from the outer surface of said first wall



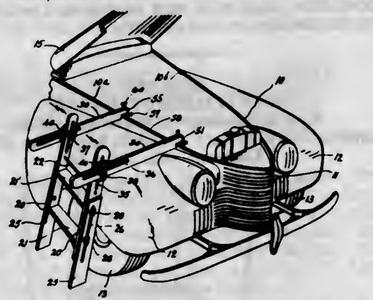
for supporting film reels and to support a film extending therebetween and through said gate with the path of travel of the film in said gate in a plane transverse the axis of said flanges, and means spaced apart from said pins and including a movable pin projecting from said casing and a well within said casing for supporting a pair of film reels on the casing to support a film extending therebetween and through said gate with the path of travel of said film in said gate in a plane parallel to the axis of said flanges.

2,485,412
DRYING REEL
Walker D. Renner, Blacksville, W. Va.
Application September 6, 1945, Serial No. 614,753
2 Claims. (Cl. 242—115)



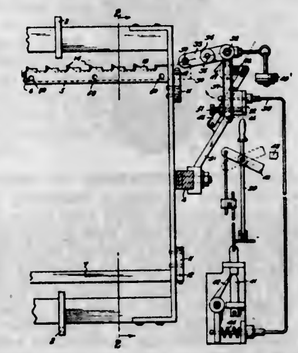
1. A drying reel comprising a supporting shaft, a sleeve rotatably disposed on the upper portion of the shaft, a swiveled connection between the shaft and the sleeve, a disk-shaped top radially projecting from the sleeve, the lower portion of the sleeve being formed with threads, a nut feedable on the threaded portion of the sleeve, a cup carried by the nut and having its open top side opposed to the disk-shaped top, said disk-shaped top being of a diameter greater than that of the cup with its peripheral portions projecting beyond the periphery of the cup, the peripheral portion of the disk-shaped top being provided with pairs of depending lugs, arms provided with reduced portions at their inner ends, disposed over the upper edge of the cup, said cup being feedable upwardly by said nut to clamp the inner reduced portions of the arms against the underside of the top, with the arms projecting between the lugs on the top, the outer ends of the arms being provided with material engaging brackets.

2,485,413
LADDER
Allen R. Ross, Renton, Wash.
Application March 6, 1945, Serial No. 581,217
3 Claims. (Cl. 228—60)



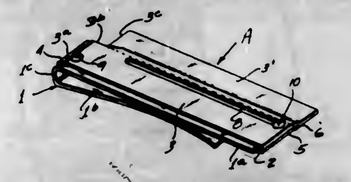
1. A ladder of the character described comprising spaced legs, horizontal steps joining the legs, horizontal arms extending inwardly from the upper ends of the legs and adjustable to extend to greater or lesser extent and equipped at their inner ends with means for holding contact with a support; said legs and said arms each having longitudinal slots therein and said slotted parts being in crossed relationship and clamp bolts applied through the slots of corresponding legs and arms for securing any adjustment of an arm upwardly or downwardly on the leg or any adjustment of the arm in its horizontal extension from the ladder.

2,485,414
AUTOMATIC HEALD STOP MOTION FOR DOBBY LOOMS
Paul Rüesch, Turbenthal, Switzerland
Application February 4, 1948, Serial No. 6,246
In Switzerland November 28, 1947
9 Claims. (Cl. 139—364)



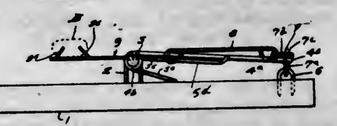
1. In an automatic heald stop-motion for dobby looms, vertically movable heald frames, two racks with upper teeth arranged in parallel in each frame and passing with play through all the heald eyes, one rack being stationary in the related frame and the other rack being mounted for endwise movement relative to the stationary rack, a lever pivoted on each frame and connected with the related movable rack, a stop device engageable by each lever moving with the frame to actuate said lever and the movable rack, a cantilever common to the several frames and projecting into the path of the movable rack moving vertically with the frame and retained in the position assumed when actuated by said lever, said cantilever being connected to the stop motion of the loom.

2,485,415
CHECK TEARING GUIDE
L. Ray Schuessler, University City, Mo.
Application October 30, 1946, Serial No. 706,550
6 Claims. (Cl. 33—198)



1. A check tearing guide comprising a base member, a shiftable member supported by said base member for movement with respect thereto, means for attaching said shiftable member to said base member for adjustment with respect thereto so as to provide said check tearing guide with adjustable check tearing edge portions on said base member and said shiftable member along which a check may be torn, and resilient lips on said shiftable member and said base member for establishing spring pressure between said members.

2,485,416
RAT AND MOUSE TRAP
Otto B. Siems, Yoakum, Tex.
Application April 25, 1945, Serial No. 590,159
1 Claim. (Cl. 43—82)

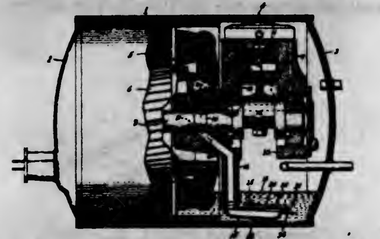


In an animal trap, an oblong base, a pair of spaced staples embedded in the base with their openings aligned in a line substantially central of and transverse to the base, a pin headed at both ends lodged in the staple openings, a U-shaped jaw having ears encircling the pin formed upon the free ends of its legs and having a cross-bar, a spring structure comprising a bight portion bearing against the base, coiled portions surrounding the pin having arms extending from the outer ends of the coils and engaging with their free ends the legs of the jaw, a staple embedded in the base near one end thereof with its plane lying in the substantial longitudinal center line of the base, a T-shaped trigger pivoted by its vertical leg to the staple, a rod pivoted at one end to the end of the horizontal portion of the T remote from the nearest end of the base, and a bait pedal pivoted at an intermediate point upon the pin and at one end to the opposite end of the rod and having bait holding means upon its opposite free end.

2,485,417
COMPRESSOR
Carl H. Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 20, 1944, Serial No. 541,143
9 Claims. (Cl. 230—206)

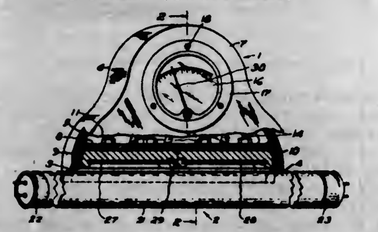
1. In a compressor for a refrigerating machine, means providing a sump for collecting liquid

lubricant, means for pumping lubricant from said sump to the moving parts of the compressor, the operation of the machine being such that liquefied refrigerant gas tends to collect in the sump during idle periods in the operating cycle, and intake means arranged below the normal level of lubricant in said sump for preventing the admission of refrigerant to said pumping means, said



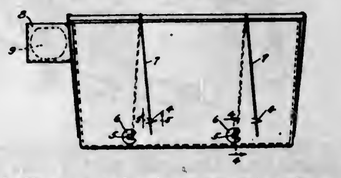
intake means comprising a hollow vessel in communication with the intake of said pumping means and having a horizontal elongated opening spaced from the bottom of said sump and below the normal level of lubricant in said sump, said vessel having an upper wall shaped to collect liquid refrigerant descending through the lubricant and to convey the liquid refrigerant in a direction away from said elongated opening.

2,485,418
METER FOR MEASUREMENT OF ULTRA-VIOLET RADIATION
Augustus Hadley Taylor, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application May 28, 1947, Serial No. 751,037
1 Claim. (Cl. 250—83.3)



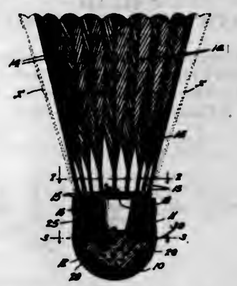
A compact, portable light meter for measuring the total light output in a particular spectral region of a tubular lamp of a predetermined size, comprising a narrow casing having front and back walls and a side wall the ends of which define with said front and back walls an elongated opening in the bottom of said casing for receiving a longitudinal portion of the lamp, the end portions of said side wall being cut out in the form of semi-circular arcs to engage the tubular lamp envelope received within said opening, the width of said opening being approximately equal to the outer diameter of said envelope so that light from said lamp portion only is received within said casing, said casing having a bottom wall recessed therein and a pair of series-connected, light-sensitive cells mounted end to end on and along the said bottom wall and facing the opening in the casing for receiving the lamp, both of said cells being equally responsive to radiation in spectral regions other than that to be measured and one cell only being responsive to radiation in that region, and a current-measuring device connected across the leads connecting the cells in series so as to measure the difference in current generated by the respective cells, being calibrated to indicate the total output of the lamp in the spectral region to be measured and being mounted in the casing with its face exposed to view above the opening in said casing and in a direction transverse to said opening.

2,485,419
WASTEBASKET BALER
Roy S. Thompson, Westlake, Ohio
Application February 22, 1945, Serial No. 579,299
7 Claims. (Cl. 100—19)



1. In baling or packaging apparatus, in combination, a container comprising a bottom, sides, and ends, string member engaging lugs on and at the outside of the sides and ends, and string member engaging members at the inner faces of the sides and ends, said lugs and members being integral with the sides and ends.

2,485,420
SHUTTLECOCK
Atwood M. Timpé, Los Angeles, Calif.
Application October 14, 1946, Serial No. 703,158
9 Claims. (Cl. 273—106)
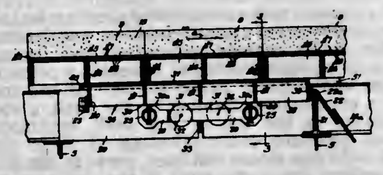


1. A shuttlecock comprising a substantially hemispherical body of elastic material, an elastic wall formed integral with said body opposite its rounded face, a circular row of feathers having the ends of their quill portions inserted in said elastic wall, a flexible tie surrounding the quill portions of said feathers immediately adjacent the end of said wall and which tie is secured to said wall, a stiffening member in said base formed of stiffer material than the material of which said elastic wall is formed and engaging the ends of said quill portions for resisting inward closing movement thereof.

2,485,421
APPARATUS FOR MAKING SHUTTLECOCKS
Atwood M. Timpé, Los Angeles, Calif.
Application November 22, 1946, Serial No. 711,740
2 Claims. (Cl. 18—42)

2. A mold for making shuttlecocks comprising superposed top, bottom and intermediate metal members, the bottom member formed with a plurality of semi-spherical cavities, said intermediate member having apertures therein registering with said cavities, a plurality of pins supported by said intermediate member and projecting downwardly and inwardly into said cavities and said top member having core members projecting through said apertures and into said cavities in spaced relation to said pins, the bottom, intermediate and top members being rectangular and of increasingly greater length in the order named, to facilitate handling of the mold members, and the top face of the bottom member and the top face of the intermediate member having recesses providing spaces for the insertion of a tool for prying the mold members apart.

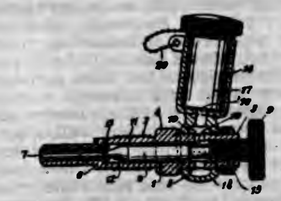


2,485,422
SINTERING MACHINE DEAD PLATE
William J. Urban, Glen Ellyn, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application March 6, 1947, Serial No. 732,720
5 Claims. (Cl. 266—21)



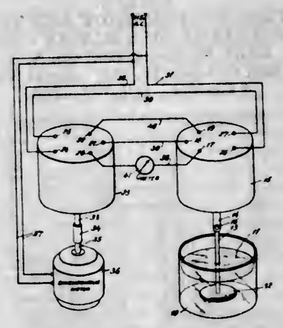
1. In a sintering machine comprising a track having a feed end and a delivery end with a wind box assembly therebetween, a train of pallets travelling along said track in endwise contact from the feed end thereof over said wind box assembly to the delivery end, a dead plate at one end of said wind box assembly, and weighted levers underlying said dead plate, the latter resting on said levers and otherwise free therefrom, said levers urging said dead plate upward into close proximity to the bottoms of pallets passing thereover providing a substantially airtight closure therefor.

2,485,423
PRIMING DEVICE FOR STARTING ENGINES
William Arthur Weaver, Coventry, England
Application July 10, 1947, Serial No. 760,072
In Great Britain January 29, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1960
7 Claims. (Cl. 123—187.5)



1. A priming device for starting an engine comprising in combination a body part for screwing into a threaded aperture, a projecting nozzle formed on the engine-ward end of the body part, a screwed plunger in the body part for opening and closing the nozzle, an open-ended receiver for a liquid to be injected into the combustion space or air cell of an internal combustion engine, the receiver being rotatable around the body part, means for locking the receiver in set angular positions on the body part, passages formed in said body part to establish communication between the receiver and the nozzle, and a piston for applying pressure to the liquid to force it through the nozzle when open.

2,485,424
VISCOSIMETER
Paul B. Weisz, Swarthmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 2, 1947, Serial No. 758,680
4 Claims. (Cl. 73—59)

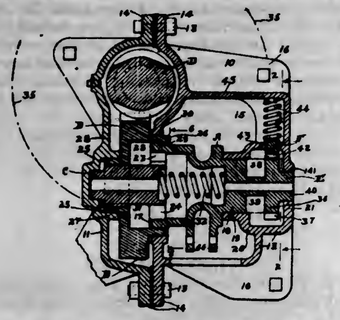


4. A direct-reading viscosimeter comprising in combination an element adapted to be disposed in a fluid whose viscosity it is desired to determine, a Selsyn-motor system for rotating said element, means for interconnecting equivalent rotor terminals of the units of said Selsyn-motor system, a source of electrical power, means for conducting power from said power source to the primaries of each unit of the Selsyn system, synchronous means for driving the rotor of one of the units of the Selsyn-motor system to effect rotation of the rotor of the other unit of said Selsyn-motor system, means for connecting said last recited rotor to said element, and means for measuring the current flowing in at least one of the rotor terminal interconnecting means due to a phase unbalance between the two Selsyn units when said element is rotated in a fluid whose viscosity it is desired to determine.

2,485,425
HAND BRAKE
Keith Williams, Buffalo, N. Y.
Application July 29, 1946, Serial No. 686,814
9 Claims. (Cl. 74—505)

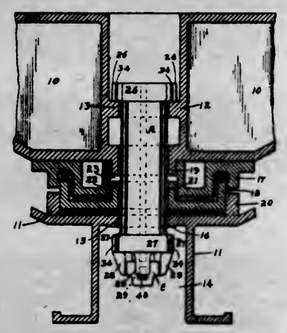
1. In a hand brake mechanism, the combination with a rotary chain-winding member; of a rotary driving member; interengaging clutch means on said members; a clutch-shifting element rotatable in unison with said members in chain-winding direction; means for holding said shifting element against rotation during rotation of said members in chain-unwinding direction; and cooperating means on said clutch-

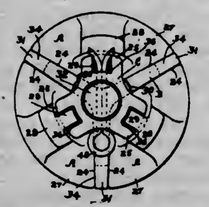
shifting element and one of said members for shifting the latter by rotation thereof in chain-



unwinding direction to disengage said clutch means.

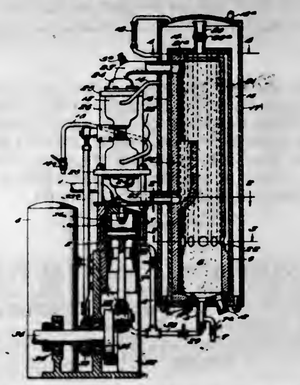
2,485,426
CENTER PIN FOR BODY AND TRUCK BOLSTERS OF RAILWAY CARS
Keith Williams, Buffalo, N. Y.
Application October 29, 1947, Serial No. 782,709
4 Claims. (Cl. 105—200)





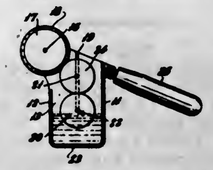
1. A center pin for connecting the body and truck bolsters of a railway car, wherein the bolsters are provided with aligned center pin-receiving openings, said center pin being insertable from beneath said truck bolster, said pin including a plurality of outer members heated at opposite ends and a filler element having wings extending between said outer members, said filler element holding the heads of the outer members in shouldered engagement with the bolsters, said filler element having a depending axial bearing projection thereon, a locking sleeve rotatably mounted on said bearing projection, said locking sleeve supporting said filler element against removal in downward direction, spaced locking projections on said sleeve, and spaced lugs on said outer members on which said locking projections are supported, said sleeve being rotatable on said bearing projection to engage said locking projections over said lugs and disengage the same therefrom.

2,485,427
PRESSURE FIRED COMBUSTION CHAMBER
Harry M. Arnold, Golden, Colo.
Application February 27, 1946, Serial No. 650,410
7 Claims. (Cl. 60—45)



1. A steam boiler comprising a cylindrical shell supported in an upright position and having a water jacket therein open at its top for communication with the top of the shell, a refractory lining in the boiler closed at one end and forming a combustion chamber in the shell, a steam chamber in the top of the shell, longitudinal steam passages communicating at their upper ends with the steam chamber, ports in the lining connecting the lower ends of the passages with the combustion chamber to feed steam to the combustion chamber, a burner in the combustion chamber, and an outlet leading from the combustion chamber.

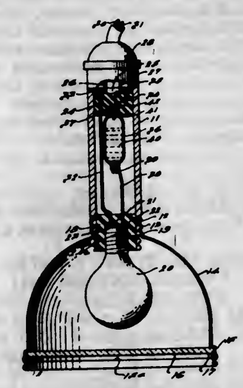
2,485,428
SELF-FEEDING PAINT ROLLER DEVICE
Arthur Bleier, Sunnyside, and Larry Altman, New York, N. Y.; said Bleier assignor to said Altman
Application August 7, 1947, Serial No. 766,942
1 Claim. (Cl. 91—62.5)



A device of the class described comprising a substantially rectangular container having a bottom wall, front and rear walls, and side walls, said front wall being of lesser height than said rear wall, each of said side walls having a vertical groove extending down the inner surface thereof, said grooves lying in a common vertical plane and having limit stops at their lower ends spaced equidistant above said bottom wall, a plurality of rollers having axial pins extending therefrom, said rollers being mounted in the container one above the other with said pins registering loosely in said grooves, said side walls having ears extending upward and forward thereof beyond the plane of said front wall, each of said ears having

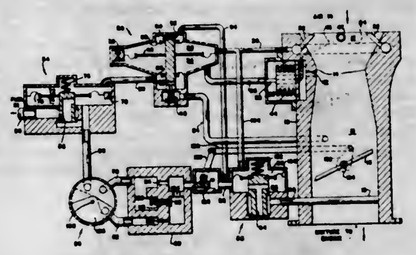
a slot extending therethrough, said slots lying in a common plane sloping downwardly at an angle of approximately forty-five degrees to said vertical plane, an applicator roller having axial pins extending therefrom, said applicator roller being mounted between said ears with the said pins thereof registering loosely in said slots, the lower extremities of said slots being positioned between the outer extremities of said ears and said vertical plane, the sum of the radii of said applicator roller and the topmost of said plurality of rollers being greater than the distance between said lower extremities of said slots and said vertical plane measured along said downwardly sloping plane, said applicator roller thereby being normally urged by gravity into relatively loose steady contact with said topmost of said plurality of rollers, said container being adapted to hold a liquid, said rear wall having a handle extending rigidly from the upper edge thereof at an angle to said rear wall and lying substantially in said downwardly sloping plane, said downwardly sloping plane being positioned substantially at the top of the device and above the axis of said topmost of said plurality of rollers whereby the center of gravity of the device lies appreciably below said downwardly sloping plane.

2,485,429
ELECTRIC LAMP
Alonzo H. Burchard, St. Claire Shores, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 11, 1946, Serial No. 640,618
3 Claims. (Cl. 240—2.18)



1. An electric lamp comprising a holder forming a hand grip, an electric light bulb supported by said holder, a convex reflector mounted on said holder around the bulb and terminating in an annular rim spaced outwardly of said bulb to permit the lamp to be supported upon said rim with the bulb directed downward and substantially concealed by the reflector, conducting means within said holder for conducting electric current to and from said bulb and including a mercury switch adapted to conduct the current therethrough when the lamp is in horizontal position and to interrupt the flow of said current when the lamp is supported upon said rim as aforesaid.

2,485,430
CARBURETOR
Milton E. Chandler, New Britain, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application November 17, 1944, Serial No. 563,834
15 Claims. (Cl. 261—39)

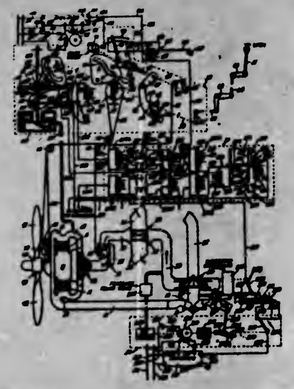


1. A carburetor for an internal combustion engine, comprising a main conduit for air flowing to said engine, means associated with said conduit for producing two unequal pressures whose difference is a measure of the velocity of air flowing thru said conduit, a secondary air conduit connecting two points in said main conduit subject to said two unequal pressures so that a flow of air is induced thru said secondary conduit by the difference of said pressures, a chamber forming a part of said secondary conduit and subject to heat from said engine, a pair of restrictions in series in said secondary conduit, valve means for varying the cross-sectional area of one of said restrictions, a flexible bellows in said chamber for operating said valve means, said bellows being expansible and contractible in accordance with pressure variations in said chamber and filled with a liquid having substantially zero coefficient of thermal expansion, a bulb having rigid walls and placed in said main air conduit above the uppermost part of said bellows, said bulb being filled with a fluid having a substantial coefficient of thermal expansion, a passage connecting the interiors of said bulb and bellows so that the expansion of the fluid in said bulb tends to produce expansion of said bellows and thereby modifies the position of said valve and the air flow thru said secondary passage in accordance with the temperature in said main conduit, so that the pressure drop established across one of said restrictions is a function of the mass air flow in said main conduit, and means responsive to said pressure drop for controlling the flow of fuel to said engine proportional to said mass air flow.

2,485,431
ENGINE CONTROL APPARATUS
Alex B. Chudyk, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 4, 1946, Serial No. 659,649
14 Claims. (Cl. 170—135.74)

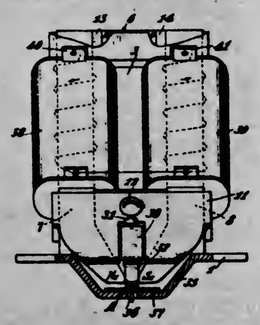
14. In combination with an aircraft engine connected in driving relation with a variable pitch propeller, means for supplying fuel to said engine, a throttle for controlling the amount of fuel supplied to the engine, a speed responsive governor for controlling the pitch of the propeller to maintain a selected speed, adjustable means for adjusting the speed maintained by said governor, a manually controlled member connected to said throttle for varying the amount of fuel supplied to said engine and to said adjusta-

ble means for varying the setting thereof, an electric motor for also positioning said throttle, a balanceable impedance network means including an impedance adapted to respond to a condition affecting engine operation for controlling said motor, means also positioned by said manually controlled member for adjusting the control point of said network means to vary the position



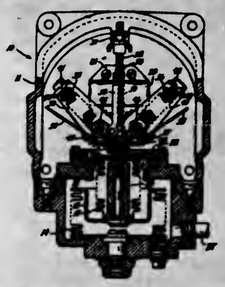
of said throttles and test switching means for connecting a fixed voltage of a predetermined value into said impedance network means to alter the operation of said network means to cause said throttle to be driven to open position without any change in the position of said manually controlled member so as to determine whether said propeller governor is properly operative.

2,485,432
MAGNETIC PHONOGRAPH PICKUP
Lionel B. Cornwell, New Canaan, Conn.
Application November 28, 1945, Serial No. 631,404
22 Claims. (Cl. 179—100.41)



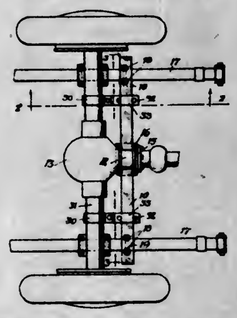
1. A sound translating device of the magnetic type comprising, a magnetic circuit providing a magnetic flux path and having a single pair of laterally spaced pole ends whose lower faces are disposed substantially on the same plane, an armature positioned for vibratile motion relative to said pole ends, said armature having a lateral width at least twice as great as its thickness in a vertical direction and said lateral width being less than the minimum lateral spacing between said pair of pole ends, a stylus rigidly secured to said armature and providing means for operative engagement with a sound record to thereby transmit motion between said armature and record, and resilient means supporting said armature in vertical register with said lateral space and urging said armature away from said pole ends with a predetermined force such that with said stylus in operative engagement with a record said armature will be disposed in said flux path and will lie with the surface of its greater width substantially parallel to said plane on which said pole faces are disposed and will be spaced downwardly from said plane.

2,485,433
PRESSURE RESPONSIVE DEVICE
Stephen Cram, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 4, 1946, Serial No. 659,653
14 Claims. (Cl. 201—48)



12. In a pressure responsive device, in combination, a support, an expansible chamber carried by said support, a member movable by said chamber, control means actuated by said member, a spring acting on said member and opposing expansion of said chamber, a lever pivoted in said support for varying the force of said spring on said member, switching means carried by said support, cam means for actuating said switching means, said cam means being carried by said lever and adjustable with respect thereto for varying the setting of said lever at which said switching means is actuated.

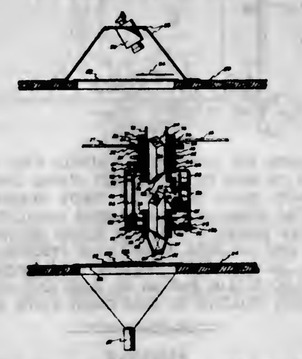
2,485,434
VEHICLE REAR AXLE HOUSING SUPPORT
Charles Cynamon and Edward A. Cynamon, New York, N. Y.
Application May 7, 1947, Serial No. 746,590
7 Claims. (Cl. 180—88)



3. In a vehicle, a rear end housing and axle casings extending from each side of said rear end housings, rear springs connected to the axle casings, a supporting and stabilizing means which includes a relatively rigid bar, which is clamped at its center portion to a forward end of the rear

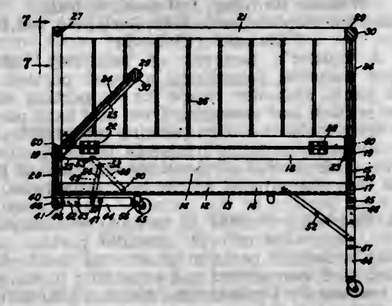
end housing, clamps connecting the ends of said bar to the springs and springs associated with said clamps and said bar to connect it under regulated tension.

2,485,435
AIRCRAFT NAVIGATING AND TRAINING APPARATUS
Richard Carl Dehmel, Summit, N. J.
Application August 14, 1943, Serial No. 498,906
8 Claims. (Cl. 35—10)



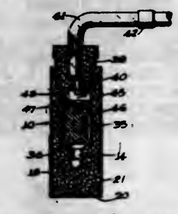
1. In an aviation device and the like adapted to simulate a flight with respect to an object, means operable by a flyer for controlling the flight, a still representation of the object adapted to be projected in a projection plane, a projection system optically interposed between the representation and the plane for producing an image of the representation in the plane, rotatable optics disposed in the optical path of the system whereby the image of the representation may be rotated in the projection plane to represent azimuthal changes in the flight, means operatively connected to said flight controlling means for adjusting the rotary optics with changes in the direction of the simulated flight, a course indicator operatively connected to the device and operable to move in accordance with the flight path and means operated by said course indicator for producing relative motion between the representation and the projection system.

2,485,436
COLLAPSIBLE BABY BED
William C. F. Dietz, Cincinnati, Ohio
Application July 12, 1945, Serial No. 604,668
3 Claims. (Cl. 5—99)



1. A folding crib, comprising a main box-like base rectangular in shape, with shallow sides and ends of uniform height and having a resilient bottom, two upright end members hinged to the upper part of the two ends of said base at a lower elevation than said upper part of the ends, so the said hinged upright end members, when folded down inwardly, shall not extend above the top edge of said box-like base, and two upright side members of such height and so hinged to upper parts of the sides of said base, so said upright side members when folded inwardly, will lie flat on top of the said folded upright end members, and two sets of legs hinged to fold flatly against the under side of said box-like base, free-rolling swivel casters on said legs and means operative incident to folding the legs under the crib, for holding said casters in non-swivel but free-rolling position, thus permitting the folded crib to be rolled underneath an ordinary bed, on its own casters.

2,485,437
PRESSURE GAUGE
Frank W. Dwyer, Chicago, Ill.
Application February 17, 1945, Serial No. 578,475
5 Claims. (Cl. 137—69)



1. A float valve device for preventing the escape of liquid from a valve casing having an upwardly extending passage provided at its upper end with a ported valve seat and containing a column of non-metallic liquid movable toward said valve seat, said float valve device comprising the combination of a float body movable in said passage in response to rise of the liquid column therein and a valve assembly for closing said port when the float body is moved by the liquid column to the upper limit permitted by said valve seat and for opening the port when the float body falls below said limit, said valve assembly including means superposed on the float body providing an upwardly facing sealing surface and including a disc having greater specific gravity than the float body and including also a resilient sealing ring positioned above the disc, disconnected therefrom, and having an open hole therein for establishing communication between the passage and the valve seat port when not engaged by said sealing surface and adapted to be engaged in sealing relation by said sealing surface when the float body is at its upper limit.

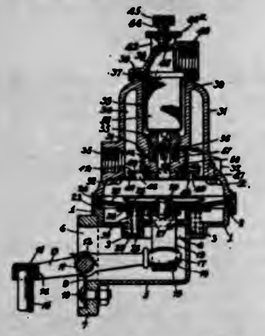
2,485,438
ADJUSTABLE TOBACCO PIPE REAMER
James J. Edmondson, Toronto, Ontario, Canada
Application December 11, 1947, Serial No. 791,130
1 Claim. (Cl. 131—246)



A reamer for a tobacco pipe comprising an inner member and an outer member forming a

holder of a general rectangular outline, said inner member being a plate-like element having a front end and a rear end and being enlarged through its length at its bottom portion, the enlargement being recessed from its rear end toward its front end, said outer member having side walls, a top wall and a back wall, which walls form a chamber in which said inner member is endwise slidable, said side walls being shaped to accommodate said enlargement of said inner member, a scraper blade rigidly depending from said inner member, a scraper blade rigidly depending from said outer member for co-acting with said scraper blade, and means for controlling the sliding movement of said inner member whereby to adjust the proximity of said scraper blades, said means consisting of a boss extending from said back wall of the outer member and into said recessed enlargement of the inner member, and a headed screw threadedly engaged in said boss and shouldered in said recessed enlargement, said screw projecting through the front end of the inner member with its head disposed externally thereof.

2,485,439
PUMP
Charles A. Erickson, Dearborn, Mich., assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application November 24, 1944, Serial No. 564,961
12 Claims. (Cl. 103—150)



1. In combination in a pump assembly, a housing member defining within itself an inlet passage, a vapor dome and an outlet passage said vapor dome being in communication with said outlet passage, said housing member shaped also to define an inlet valve stop, an inlet valve-retaining member removably threaded into said housing adjacent said stop and shaped to define an inlet valve seat, an inlet valve adapted to seat on said valve seat, an outlet valve member comprising a ring having a plurality of perforations therein and a plurality of outlet valve seats individual to and surrounding said perforations, and an outlet valve comprising a ring positioned over said last-mentioned valve seats, and a spring in contact at one end with said ring-like valve, said housing shaped to provide a seat for the opposite end of said spring.

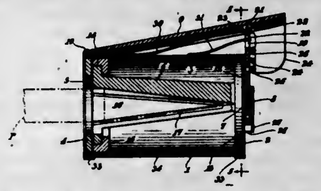
2,485,440
AUXILIARY GLARE SHIELD
Frank Friedheim, Minneapolis, Minn.
Application February 14, 1947, Serial No. 728,555
2 Claims. (Cl. 296—97)

1. For attachment to a main glare shield for an automobile, an auxiliary glare shield having in combination an attachment clamp comprising an elongated interconnection rod, a pair of spaced clamps respectively mounted on the end portions of said rod for engagement with the outer end portions of the horizontal edges of said main glare shield, at least one of said clamping elements being shiftable on said rod to permit the spaced relation of said elements to be varied,



and means for positively shifting said shiftable element on said rod to tightly clamp said rod on said main glare shield at right angles to the horizontal edge portions of said main shield; an anti-glare panel, a friction hinge element fixed at one end of said panel and frictionally embracing said rod to permit said panel to be swung about said rod as an axis and set at any angulation relative to said main glare shield.

2,485,441
PENCIL SHARPENER
Maurice Charles Garrett, New York, N. Y.
Application March 13, 1947, Serial No. 734,367
7 Claims. (Cl. 120—86)



1. A sharpener comprising a casing, a cutter member therein and having a projection, the casing having an opening through which said projection extends to the outside thereof, a rocker pivotally mounted on the casing, and connections between the rocker and said projection to actuate the cutter member.

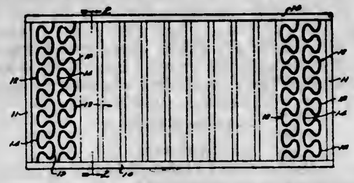
2,485,442
HUNTING GARMENT
William Halliday, Jefferson, S. Dak.
Application September 3, 1946, Serial No. 694,467
5 Claims. (Cl. 2—94)

1. A hunter's garment of relatively lightweight material comprising a waist portion, a back panel, shoulder straps for supporting said waist portion and extending from said back panel over the shoulders and converging into said waist portion and providing relatively large openings at the sides of the garment through which the arms may extend and at the back and front of the neck portion of the garment, the straps at each side being formed of two parts connected in the upper area of each shoulder portion and having a saddle portion underlying and reinforcing each connection and extending forwardly and rearwardly a substantial distance therefrom, a pocket carried by said garment at each side of the same and attached along one side of its upper portion to the lower part of said waist portion, the other side of said upper portion of the pocket being provided with a supporting extension attached to said waist portion of the garment in spaced relation upwardly of the first attached portion, the outer side portion of said pocket being provided with netting permitting



free circulation of air therethrough, said pockets being rollable to a compact position to permit maximum freedom of movement of the wearer when the pocket is not in use, and detachable fasteners for securing said pocket in said rolled position.

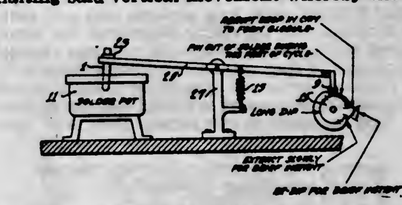
2,485,443
SEAT CUSHION
Edward R. Hathaway, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 8, 1945, Serial No. 576,743
3 Claims. (Cl. 155—179)



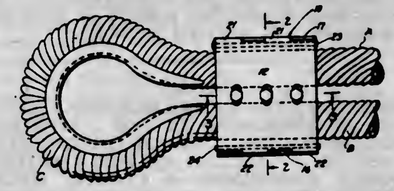
3. In a seat structure or the like having a frame, a plurality of flat-type spring members normally bowed upwardly from a substantially horizontally plane and being arranged on said frame in curvilinear alignment, each of said spring members comprising a length of wire formed to provide alternating reversely bent elliptically shaped loops extending transversely of the spring member, the major axis of each loop extending longitudinally of the spring member and approximating the width of the latter, and the width of the opening between the ends of adjacent loops being less than half of the length of said major axis.

2,485,444
METHOD OF PRODUCING ROUNDED TERMINALS OF FUSIBLE METAL
Alf H. Hofberg, Medford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 27, 1943, Serial No. 507,905
5 Claims. (Cl. 29—155.55)

1. A method of forming a dependent terminal on a metal part wherein said terminal is formed from molten metal having a surface tension insufficient to cause said molten metal to assume a form having the least superficial area when suspended in the molten state, said method comprising the steps of depositing a serving of said molten metal on the lower end of said part, subjecting said part and said serving of molten metal to vertical movement, abruptly halting said vertical movement whereby the surface tension within said serving of molten metal is augmented by the forces induced therein by inertia and causes said serving of molten metal to assume a form having the least superficial area, and then permitting said serving of molten metal to solidify.



2,485,445
CABLE CLAMP
Robert Hoffman, San Francisco, Calif.
Application October 5, 1945, Serial No. 620,459
1 Claim. (Cl. 24—135)



A cable clamp comprising a pair of complementary clamping jaw members, each of said jaw members having spaced apart hinge knuckles along their side edges, the knuckles on one side being staggered relative to the knuckles on the other side, said jaw members being arranged with the knuckles of one member interfitting with spaces adjacent those of the other member, so that the knuckles of the two members are alined along each edge, locking pins extending through the alined knuckles, each of the jaw members having a pair of spaced apart ribbed, inwardly facing cable gripping channels, the gripping channels of one member being opposed to those of the other member and registering therewith, the intermediate portions of the jaw members between each pair of gripping channels being spaced apart, one of said portions having threaded openings and the other having holes alined with said openings, said holes being enlarged at their outer ends to form transverse slots, and screw means in said holes and openings for connecting the intermediate portions of the jaw members together and for flexibly drawing the channels and intermediate portions of the members toward each other to effect a clamping action between the jaw members and portions of cable disposed in the gripping channels.

2,485,446
FOLDABLE BOAT
Donald G. Jackson, Pasadena, Calif.
Application August 2, 1946, Serial No. 688,007
25 Claims. (Cl. 9—2)

1. A foldable boat, including: a floor comprising a fore and an aft rigid floor section connected for relative pivotal movement on an axis ex-

tending transversely of the length of said boat; a gunwale comprising a fore and an aft rigid gunwale section connected for relative pivotal movement on a pivotal axis extending transversely of said boat; a waterproof flexible cover secured between said floor sections and said gunwale sections and providing therewith the sides, bow and stern of said boat; strut members pivoted on each of said floor sections and engageable with said gunwale sections to maintain said floor and said gunwale in spaced relation and to tension said flexible cover between said floor and said



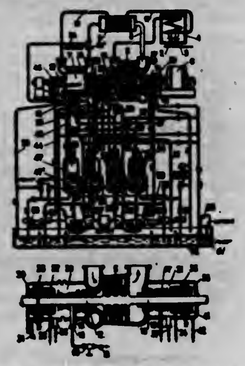
gunwale, said strut members being adapted to pivot to inoperative position against said floor sections to permit said gunwale and said floor to be moved toward each other, said fore and aft floor sections and said fore and aft gunwale sections being adapted to be pivoted on their respective pivotal axes to permit the fore and aft portions of said boat to be folded together in retracted relation and to be unfolded to extended relation; and operating means responsive to pivotal movement of said floor sections and said gunwale sections to extended position to pivot said strut members to operative position.

2,485,447

SEALING ARRANGEMENT FOR THE SHAFTS OF TURBOMACHINES OF THERMAL POWER PLANTS IN WHICH THE GREATER PART OF A GASEOUS MEDIUM CONTINUOUSLY DESCRIBES A CLOSED CYCLE UNDER PRESSURE ABOVE ATMOSPHERIC

Curt Keller, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland

Application April 1, 1946, Serial No. 658,690
In Switzerland September 23, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 23, 1960
4 Claims. (Cl. 60—59)



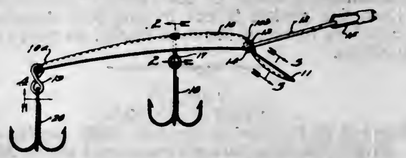
1. In a shaft sealing arrangement for turbomachines of thermal power plants, in which the greater part of a gaseous medium continuously describes a closed circuit under pressures above atmospheric pressure, and in which circuit, compressed working medium, the temperature of which has been raised by a supply of heat from an outside source, is caused to expand in at least one turbine while giving up energy externally, after which it is again compressed in at least one turbo-compressor; the combination of shaft-sealing stuffing boxes of the gas-sealed type; means for supplying to said stuffing boxes, as the sealing medium, gas tapped from said closed circuit at a point where a higher pressure prevails than that against which the respective stuffing box seals; means including liquid seals for isolating from the atmosphere spaces at the outer ends of said gas-sealed stuffing boxes; means for supplying sealing liquids to said liquid seals; separators for gas and liquid associated with respective isolated spaces; means for supplying the gases separated in said separators to at least one point in said closed circuit at which prevails a lower pressure than that at the tapping point of the sealing gas for respective gas-sealed stuffing boxes, and means for supplying the liquid separated in each separator to respective liquid seals.

2,485,448

FISHING LURE

Frank J. Kennedy, Ann Arbor, Mich.

Application May 11, 1946, Serial No. 669,139
13 Claims. (Cl. 43—5)



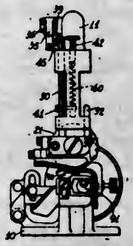
5. A fishing lure comprising an elongate downwardly concaved attractor body provided at its front end with an upwardly concaved spoon portion, and a link rigidly connected to the front end of the attractor body and lying above the spoon portion in a vertical plane extending substantially through the central longitudinal axis of the attractor body, said link adapted to be connected at its front end to a fishing line.

2,485,449

WELT-CUTTING MACHINE

Isidore Kirsch and Richard Korenman, Bronx, N. Y.

Application January 12, 1948, Serial No. 1,783
7 Claims. (Cl. 164—60)



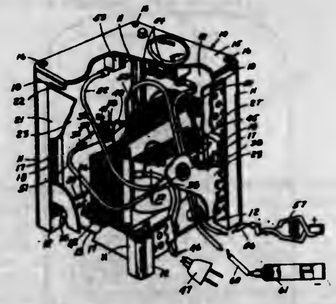
2. A welt-cutting machine comprising a base which supports the welt, a head on said base, a rotary cutter carried by said head and vertically adjustable in respect thereto, clamping means for fixedly positioning said rotary cutter on said head relative to said base, a feeder in said base which feeds the welt to the rotary cutter for the cutting operation, a presser foot also mounted on said head for holding the welt in operative position relative to the rotary cutter, said presser foot being positionally adjustable both with respect to the rotary cutter and to the base, said presser foot, when fixedly positioned relative to the rotary cutter, being engageable with the welt-carrying base and serving as a stop gauge for the rotary cutter, preventing its downward movement beyond a predetermined point.

2,485,450

RECTIFIER

Chester A. Kotterman, New York, N. Y., assignor to Schauer Machine Company, Cincinnati, Ohio, a firm

Application October 24, 1946, Serial No. 705,287
10 Claims. (Cl. 321—8)



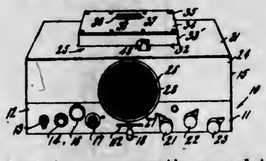
1. In an electrical current rectifier of the metal plate variety, the combination of a bottom wall, a plurality of spaced upright posts supporting the bottom wall at a distance from the lower ends of said uprights, a plurality of side wall elements each supported on opposite sides by adjacent pairs of uprights and having their bottom edges spaced from the side edges of the bottom wall, a top wall supported by the tops of said uprights and having its side edges in spaced relation to the top edges of the side walls, at least one of said side walls being an individual metal plate rectifying element, a transformer inaccessibly enclosed by the bottom wall, side walls and top wall, the said transformer comprising a secondary winding having terminals, and conductors electrically connected to opposite major faces of the metal plate rectifying element, certain of said conductors being electrically connected to certain terminals on the transformer secondary winding in known manner to complete a selected rectifier circuit.

2,485,451

MAGNETIC RECORDER UNIT

William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois

Application October 30, 1945, Serial No. 625,493
9 Claims. (Cl. 174—52)



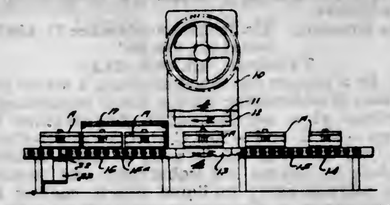
1. A cabinet for a magnetic sound translating unit comprising, a base member having a top wall for holding electric and electronic components, said top wall including an aperture, a secondary member for holding electro-mechanical elements of said unit having its lower end within said aperture, means for detachably securing said secondary member in said aperture, and flexible electrical connectors extending from said base member and said secondary member respectively and including means for detachable securement therebetween.

2,485,452

PRESS

Fred Lyijynen, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application March 8, 1945, Serial No. 581,648
6 Claims. (Cl. 18—16)



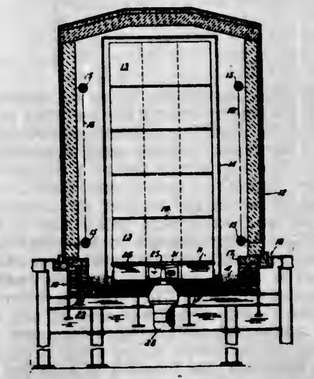
5. In an apparatus for forming a plastic article, a press having a bottom platen, a pair of upper and lower die members adapted to receive therebetween material to be formed, means operative to clamp said die members together in closed position, means in said press for operating said clamping means and comprising a fluid actuated device located beneath said bottom platen and provided with a reciprocable plunger shiftable vertically through said platen, a guide table extending laterally from the press to receive said clamped die members, and fluid actuated means beneath the table and having a reciprocable plunger shiftable vertically through the table for releasing the clamping means.

2,485,453

FURNACE WITH REMOVABLE COIL STAND

Theodore W. Munford, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio

Application December 9, 1947, Serial No. 790,589
3 Claims. (Cl. 263—40)



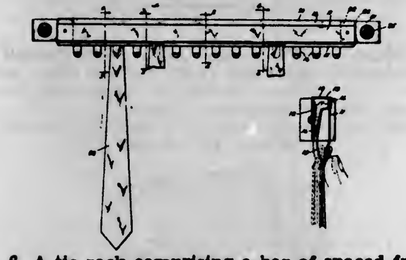
3. A furnace comprising, in combination, a stand for a charge of material to be heat treated, a furnace base having underlying floor beams and a station on said beams where said stand is removably seated and the stand comprising a base plate which rests on said beams, a sheet metal deck on said floor beams except at said station and surrounding said base plate in spaced relation to provide a clearance gap therebetween, a horizontally disposed annular plate encircling

said stand and overlying said gap, and means comprising said annular plate for forming a gas tight seal between said base plate and said deck.

2,485,454
LOW-TEMPERATURE CATALYTIC PROCESS FOR POLYMERIZING OLEFINIC MATERIALS IN THE PRESENCE OF AN INORGANIC DILUENT
Joseph F. Nelson, Elizabeth, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 27, 1945, Serial No. 618,996
3 Claims. (Cl. 260—85.3)

1. In a process for copolymerizing a major proportion of isobutylene with a minor proportion of isoprene at a polymerization temperature between −20° C. and −100° C. with a Friedel-Crafts catalyst, the steps of forming a liquid reaction mixture by mixing the isobutylene and isoprene with nitrous oxide in liquid phase, cooling the liquid mixture to the polymerization temperature, admixing with the cooled liquid mixture a solution of aluminum chloride in methyl chloride whereby the isobutylene and isoprene are copolymerized, and withdrawing a slurry containing non-agglomerating particles of the resulting solid polymer precipitated by said nitrous oxide.

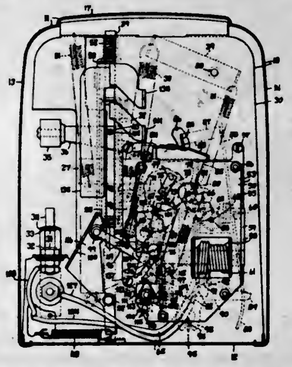
2,485,455
TIE RACK
William A. Odencrants and Clarence W. Jorgensen, Chicago, Ill.
Application December 26, 1944, Serial No. 569,689
6 Claims. (Cl. 211—89)



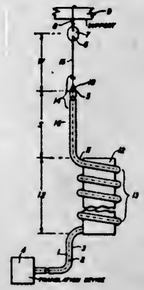
6. A tie rack comprising a bar of spaced front and back members, means for securing said bar horizontally to a wall or similar support, the lower edge of the front member being sloped inwardly to form the outer member of a clamp for the ties to be suspended therefrom, and a vertical spring finger in the bar secured at its upper end to the bar and extending below the bar, said spring finger being spaced in its body portion from said front strip to loosely accommodate the folded end of the tie and extending forwardly below the same and biased to form the inner member of said clamp, the lower end of the spring forming a pressure thumb piece for opening the clamp and the insertion of the tie therein by the same act and said rear member of said bar forming a stop for said spring when pressed rearwardly.

2,485,456
AUTOMATIC ELECTRIC TOASTER AND THE LIKE
Arthur B. Poole, Harwinton, Conn.
Application May 17, 1947, Serial No. 748,761
5 Claims. (Cl. 99—333)

1. An electrically-heated and electrically-timed automatic toaster or the like including: food-holding means; resistance food-heating means located adjacent said food-holding means; a rotary alternating-current self-starting synchronous electric timing-motor having a rotor not connected to any external current supply, and having a stator energizing-coil connected in series with said resistance food-heating means, the resistance of said stator energizing-coil being less than one-twentieth of the resistance of said resistance food-heating means; electric switch-means controlling the current supply through said resistance food-heating means and said stator energizing-coil; switch-actuating means constructed and arranged to cause said switch-means to be actuated to open-circuit position; a speed-reducing gear-train for said rotor, and interconnecting said rotor and said switch-actuating means to cause said rotor to control the actuation of said switch-actuating means; and adjusting-mechanism associated with said gear-train and constructed and arranged to be adjusted to any of a plurality of adjustments to cause said rotor to make a predetermined amount of rotation corresponding to any given adjustment of said adjusting-mechanism before said switch-actuating means is actuated.

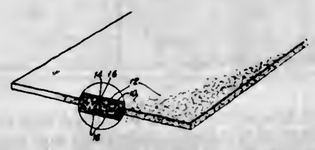


2,485,457
ANTENNA SYSTEM
Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1944, Serial No. 559,559
4 Claims. (Cl. 250—33)



1. A transmitting dipole antenna comprising a coaxial line having an inner conductor and an outer conductor, said inner conductor being longer than said outer conductor, means for resonating said dipole comprising an inductive coil including in said line at a point substantially a quarter wavelength from the extremity of the outer conductor and having approximately twelve turns.

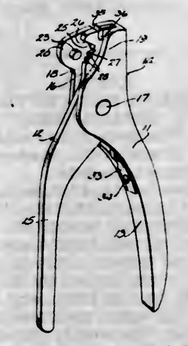
2,485,458
DIELECTRIC SHEET AND METHOD OF MANUFACTURE
Robert G. Quinn, Bound Brook, and Joseph C. Harkness, Manville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 28, 1944, Serial No. 528,490
8 Claims. (Cl. 92—21)



1. A tough and flexible porous sheet comprising a water-laid felt of soft paper grade chrysotile and non-paper grade asbestos fibers belonging to the group consisting of harsh chrysotile and tremolite, and a polyvinyl resin binder individually coating and bonding the fibers, said binder being present in amount representing 5–10% of the weight of the sheet, and said sheet containing 30–60% of its total fiber weight of harsh non-paper grade asbestos fibers.

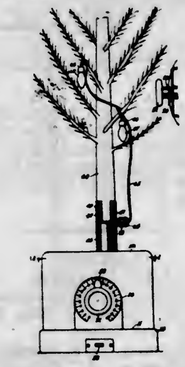
7. In manufacturing strong and flexible dielectric sheets the steps comprising, forming a dilute aqueous furnish containing soft paper grade chrysotile asbestos fibers and harsh non-paper grade fibers belonging to the group consisting of harsh chrysotile and tremolite, said furnish containing said harsh fibers in amount representing 30–60% of the total fiber weight, subjecting the fiber furnish to a defiberizing treatment in a beater cycle, adding to the furnish toward the end of the beater cycle a polyvinyl resin binder and agitating the fiber-binder furnish to coagulate the polyvinyl resin and to effect deposition thereof as coating films for the individual fibers, diluting the furnish with water to a consistency of less than 1% solids, and sheeting out the furnish and dewatering it to form a felted sheet.

2,485,459
PLIERS
Wayne L. Rackowski, Milwaukee, Wis.
Application August 15, 1946, Serial No. 690,692
12 Claims. (Cl. 140—123)



1. The combination of two relatively movable elements embodying jaws, one of said jaws having a recess, and the other of said jaws carrying an upstanding mandrel disposed to enter said recess on movement of said element, wherein said mandrel is inwardly tapered, and wherein said recess has the shape of a notch having walls substantially perpendicular to one another, at least one of said walls being provided with serrations.

2,485,460
CHRISTMAS TREE STAND
Ernesto Rocco, Brooklyn, N. Y.
Application March 3, 1947, Serial No. 732,053
1 Claim. (Cl. 248—45)

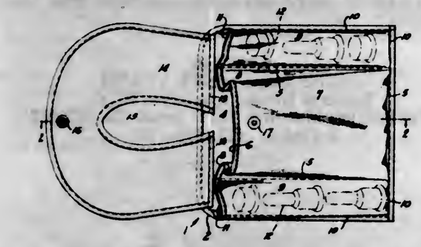


In a tree stand having a base, a motor, a socket for supporting the shank of a tree, and means for transmitting rotation from the motor to said socket, the combination of an upright tubular support fixed upon said base having a bearing upon the lower portion thereof and a bearing flange upon an upper portion spaced a distance above said bearing, a rotatable tubular member supported by said bearing exteriorly of the tubular support and the bearing flange and terminating at the top in said socket, a plural conductor means extending upward through the tubular support and terminating in an insulated commutation block having two electrical contacts stationary within said rotatable tubular member below the level of said socket, and a detachable connector for bringing electric current to the tree above said socket from said commutation block, including a rotatable sleeve making sliding rotary contact with one of the contacts on said block, an insulate connector member having a metal portion fitting within said rotatable sleeve, an end contact making frictional contact with the other contact upon said block, a flexible conductor connected to the connector member, and a plug-in outlet upon said flexible conductor for receiving a plug-in member upon a conductor leading up to said tree.

2,485,461
NURSING BOTTLE RETAINER
Harry Siegel, New York, N. Y., assignor to All-Best Specialties Corp., a corporation of New York
Application December 24, 1946, Serial No. 718,153
3 Claims. (Cl. 248—102)

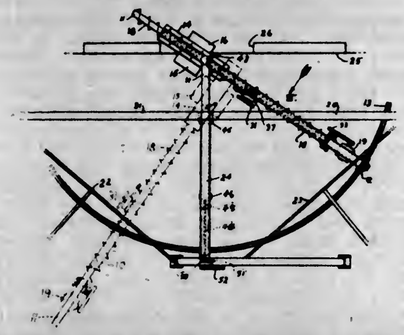
1. A nursing bottle retainer having the combination of a cushion adapted to maintain a bottle in a lying position and in an elevated state, a pair of side walls and a rear wall projecting from the top face of said cushion being joined to a top wall, said walls constituting a pouch located above said cushion and cooperating there-

with to envelop the bottle and maintain it in requisite position and in its warm condition, a cover for said pouch being hinged to said cushion and being foldable upwardly to close up the pouch, means for detachably securing said cover to said top wall of the pouch, and said cover having an



opening for the neck and nipple of the bottle to protrude therethrough when the cover is in said secured state for the retention of the bottle in said pouch and maintenance of the bottle in its warm condition when the bottle is in operative nursing position.

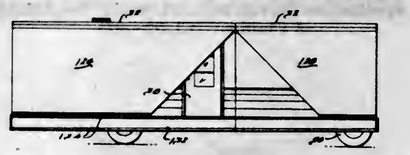
2,485,462
CAR LOADER
Nicholas E. Sinnott, Toledo, Ohio, assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application March 1, 1946, Serial No. 651,322
12 Claims. (Cl. 198—2)



12. In a car loader, the combination of a carriage, a trough secured to the forward end of the carriage, means for supplying bulk material to the trough, a screw conveyor slidable on the carriage to move its delivery end through and beyond the end of said trough, a motor for driving said conveyor, a rack connected to said conveyor to slide it on the carriage and through the trough, a hand wheel rotatably mounted on the carriage and having a gear meshing with said rack, whereby rotation of said hand wheel will move the conveyor with respect to the carriage, and means operative in response to pressure on the conveyor during its operation to effect its retraction progressively to the end of the trough.

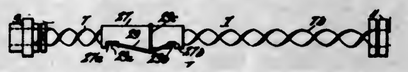
2,485,463
BUILDING STRUCTURE
Frank M. Smith, Lexington, Mich.
Application October 27, 1945, Serial No. 625,040
11 Claims. (Cl. 20—2)

7. A building structure comprising front and rear building sections each having a floor, side and end walls and a roof, said sections constructed and arranged to be disposed in end-to-end relation and when so disposed the respective floors, side walls and roofs being arranged substantially in alignment; hinge means connecting at least one pair of adjacent side walls and forming a vertical pivot about which said sections can be swung apart; a plurality of panels hingedly fastened to the adjacent ends of the sections, said panels constructed and arranged to fold in overlapping relation between the sections when the latter are in end-to-end relation and when the



sections are swung apart to unfold and form continuations of the floors, side walls and roofs, when said panels are unfolded the edges of the panel forming continuations of said roofs being disposed flush with the inner surfaces of the panels forming continuations of said side walls; eaves projecting outwardly from the latter panels, parts of said eaves overlapping the top edges of the side panels and abutting the edges of the top panel whereby to seal the joints between said panels; and interlocking means detachably connecting the eaves to said top panel.

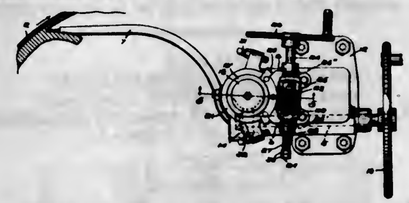
2,485,464
VARIABLE PITCH DRIVE SCREW AND TUNING SYSTEM
Harold B. Stott, Glen Olden, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,113
5 Claims. (Cl. 74—459)



4. In combination, a driving member comprising a screw having turns of variable pitch and supported for rotation about its axis, a sleeve mounted for slidable movement along said screw and means supported on said sleeve for coupling said sleeve in driven relation with respect to said screw, said coupling means comprising a wire constituted of spring metal wrapped about said sleeve with its opposite ends extending across said axis and biased into engagement with different of the said variable pitch turns of said screw.

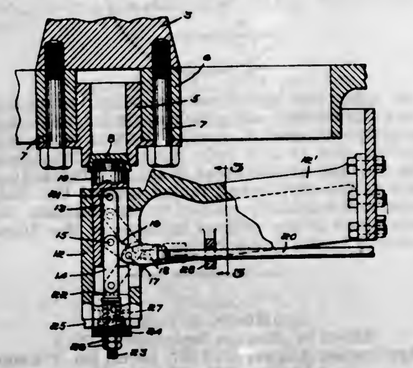
2,485,465
DISCHARGER FOR CENTRIFUGAL SEPARATORS
John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Boston, Mass., a corporation of Massachusetts
Application October 16, 1945, Serial No. 622,573
3 Claims. (Cl. 210—70)

3. In a centrifugal separator, the combination with a centrifugal basket supported for rotation around a vertical axis, a curb in which it is mounted, a discharger including a scraper, a vertical shaft on the lower end of which said scraper is secured and a rack and pinion mechanism operable to raise and lower said shaft; of a gear connected with said shaft to rotate therewith about the axis of the shaft, said shaft having adjustable stops connected thereto, a driving worm meshing with said gear, a housing in which said worm is mounted, a second shaft on which said worm is fixed, bearings supporting said shaft with its worm for both rotative and axial sliding movement in said housing, a hand wheel on said shaft for revolving it, said bearings limiting said sliding movement, a spring loaded means on said shaft yieldingly holding it normally against one of said bearings where its connections with said scraper prevent further



movement of the latter toward the inner wall of the basket except as such movement may be produced by rotation of said worm, the worm when so positioned being spaced from the other bearing whereby a limited inward movement of said scraper away from said wall is permitted against the tension of said spring, said stops acting to limit the extreme inward and outward movement of the scraper, and means on said curb supporting both said pinion and said housing in substantially fixed positions on the curb.

2,485,466
CENTRIFUGAL SEPARATOR
John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Boston, Mass., a corporation of Massachusetts
Application November 20, 1945, Serial No. 629,745
4 Claims. (Cl. 210—63)



4. In a centrifugal separator of the suspended basket type, the combination with a shaft mounted in a fixed central position in the bottom of the basket, of a basket shaft centering bearing engageable with said shaft for rotation therewith and adapted for disengagement therefrom, a bracket mounted rigidly below said basket, guide supporting means supported by said bracket and supporting said bearing below the basket in fixed axial alignment with said shaft for axial movement into engagement with said shaft and for disengagement therefrom, including mechanism operable to move said supporting means vertically to carry said bearing into and out of engagement with said shaft; said mechanism including a toggle and means operable to straighten and collapse said toggle, whereby when said toggle is straightened it will move said bearing into position to engage and center said shaft and will lower the bearing out of engagement with said shaft when the toggle is collapsed.

2,485,467
DISPENSER WITH SCREW ACTUATED FOLLOWER
Jack Weisbaum, Cincinnati, Ohio
Application July 8, 1946, Serial No. 681,899
2 Claims. (Cl. 222—390)

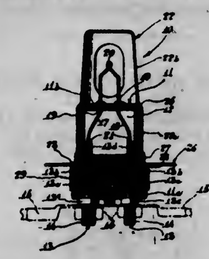


1. In a dispensing container for plastic materials of the type comprising a tubular casing provided with opposed axially disposed guide grooves formed therein and having an open bottom end and a closed top end, said latter end having a reduced dispensing opening therethrough, the combination of a bottom closure member for the receptacle having a journal bearing hole formed therethrough, a threaded shaft having a reduced lower end extending through the bearing hole, a key fixed to said reduced extension of the shaft, a reduced upper end on the shaft, a spider disposed within the tubular casing adjacent its closed top end and having a central hub, a bearing hole formed in the hub for cooperation with the upper reduced end of the shaft, arms extending from the hub and having their extremities freely bearing against the internal surface of the tubular casing and in abutment with the top end thereof, said arms engaging the tubular casing on opposite sides of the guides, an axially movable piston in threaded engagement with the shaft and in sliding contact with the tubular casing, and notches formed in the piston periphery for engagement with the vertical guides in the tubular casing.

2,485,468
THERMOCOUPLE FOR FIRE DETECTION
Dwight A. Wrigley, Chatham, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 13, 1949, Serial No. 87,169
4 Claims. (Cl. 136—4)

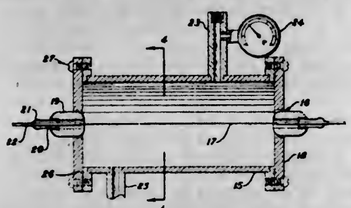
1. In a thermocouple construction comprising a pair of thermocouple elements joined to form a hot junction, and a pair of terminals joined to said elements to form cold junctions: the combination of a body refractory insulating material carrying said terminals and thermocouple elements, said hot junction being spaced a distance from said body, a metal shell having a solid-walled portion embracing said body and having an openwork portion extending therebeyond and

surrounding said hot junction, said body and shell being characterized as having substantially equal temperature coefficients, a metal member molded into said body and having the outer face thereof exposed along the periphery of the body,



said shell having a portion overlying said metal member and spot welded thereto, and said body having a recess therein providing access for a spot-welding electrode to the inner wall of the portion of said metal member welded to said shell.

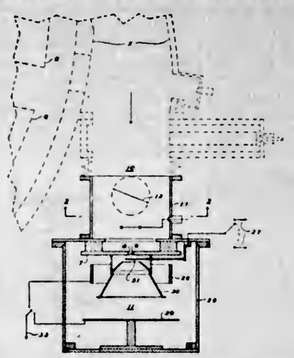
2,485,469
METHOD AND MEANS FOR DETECTING IONIZATION
James S. Allen and Bruno B. Rossi, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application November 6, 1946, Serial No. 708,204
2 Claims. (Cl. 250—83.6)



1. The method of detecting the occurrence of ionizing events which comprises subjecting a gaseous mixture containing at least 80% by pressure of argon and not more than 20% by pressure of carbon dioxide to at least a portion of the ionizing effect of said event, collecting electrons resulting therefrom by the application of an electric field maintained at a value below that at which electron multiplication takes place and sensibly indicating the amount of electron collection as a function of time.

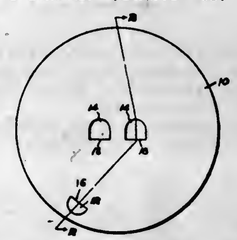
2,485,470
METHOD AND APPARATUS FOR CONTROL OF BEAM ENERGY
Charles P. Baker, Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 13, 1945, Serial No. 610,644
8 Claims. (Cl. 250—86)

1. In apparatus for the acceleration of charged particles in a beam, including an accelerating zone, an exit zone and a target zone, the combination of an absorbing foil, means supporting said foil in energy absorbing relationship with the accelerated charged particle beam in advance of said target zone, said supporting means being adapted to permit rotation of said foil about an axis perpendicular to the axis of said beam where-



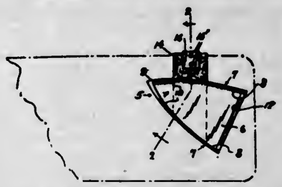
by the absorbing thickness presented to said beam may be varied.

2,485,471
BOWLING BALL WITH FLAT SIDED FINGER HOLES
Sulley J. Bates, Lorain, Ohio, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass., a corporation of Massachusetts
Application August 6, 1946, Serial No. 688,754
3 Claims. (Cl. 273—63)



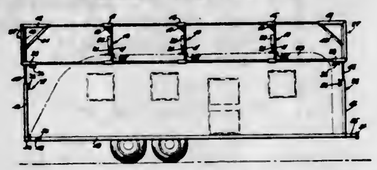
1. A bowling ball of massive construction having a thumb hole and a pair of finger holes, each providing an easy fit for the digit to be received therein, the thumb hole having a transversely flat surface of width at least substantially as wide as the thumb and facing toward the finger holes and angularly related to the common tangent plane of the palmar surfaces of the fingers received in the finger holes.

2,485,472
SADIRON HOLDER
Albert W. Baxter, Ogdensburg, N. Y.
Application August 22, 1947, Serial No. 770,006
1 Claim. (Cl. 248—117.6)



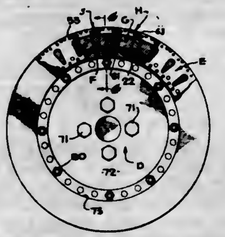
A sad iron holder comprising, a bottom of a shape substantially similar to that of a sad iron, flanges formed on the sides of the bottom and having their rear portions lying on perpendicular planes and their forward edge portions gradually directed inwardly toward one another to form opposed sad iron receiving channels, a heat resistant arm secured to the lower surface of the bottom at an obtuse angle to a longitudinal line running through the center of the sad iron holder, a downwardly extending flange formed on the outer end of the arm, and a forwardly and downwardly extending rib formed at the rear end of the upper surface of the bottom between the perpendicular ends of the aforesaid side flanges.

2,485,473
TRAILER SUPPORTED CANOPY
Maurice E. Bishop, Nashville, Tenn.
Application November 21, 1946, Serial No. 711,357
1 Claim. (Cl. 135—7.1)



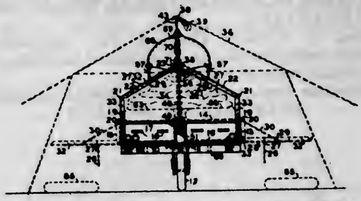
A support of the character described, for use with a trailer comprising a plurality of movable rafters, and fixed end rafters, a ridge pole and eaves poles joining said rafters to form a unit, means for supporting said movable rafters on the roof of the trailer, said means being telescopically adjustable to support said rafters at various distances above the roof of the trailer, sockets at the ends of said rafters for receiving said ridge poles and said eaves poles, said rafters being substantially triangular in shape having a long leg and a short leg, the long leg of said rafters extending beyond the sides of said trailer to form a canopy and telescopically adjustable means for supporting the end rafters on the frame of the trailer.

2,485,474
PERMANENT MAGNET ROTOR
Maurice W. Brainard, Los Angeles, Calif., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif., a corporation of California
Application January 11, 1947, Serial No. 721,527
12 Claims. (Cl. 171—209)



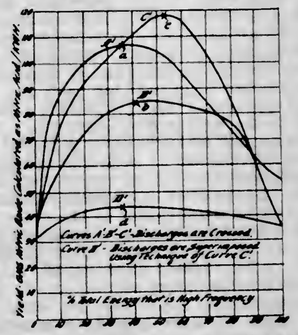
1. In combination an annular rotor unit including, a frame, a plurality of magnets carried by the frame, an annular series of separate contiguous magnetic couplers connecting the inner ends of adjacent magnets, and pole pieces carried by the frame at the outer ends of the magnets, the frame including a plurality of axially spaced plates having the magnets arranged between them and axial members connecting the plates and holding both the pole pieces and the magnetic couplers with the magnets confined between them, a shaft, and mounting means extending radially of the shaft and supporting the rotor unit.

2,485,475
TENT TRAILER
August C. Brenneman, Cleveland, Mo.
Application September 3, 1946, Serial No. 694,535
4 Claims. (Cl. 296—23)



1. A camping trailer dining table, sides, said sides pivoted to the top of said dining table, roof covers, said roof covers pivoted to said sides, a ridge formed by one edge of each of said roof covers lapping above the center of said dining table, said roof covers and sides hinged to manually swing outwardly to form seats thereof at the sides and below the top of said dining table, means to support said seats, and means in said roof covers to be manually opened to allow a person's legs to pass therethrough to beneath the bottom of the table.

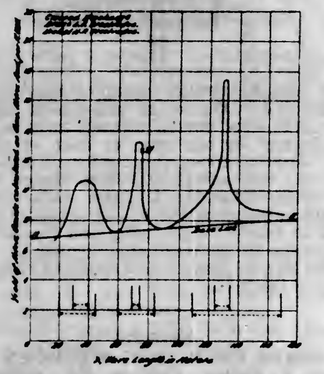
2,485,476
METHOD OF PRODUCING NITROGEN OXIDE
William J. Cotton, Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application July 27, 1944, Serial No. 546,882
15 Claims. (Cl. 204—179)



1. The method of producing nitrogen oxide comprising introducing a gaseous medium consisting principally of nitrogen gas and oxygen into a gas discharge apparatus having an assemblage of at least three separately spaced electrically-conducting electrodes provided with electrode terminals, two of said electrode terminals being high potential electrode terminals, said assemblage of electrodes being positioned to have a cyclic electrical discharge pass between a pair thereof, one of said pair being a low potential electrode, and subjecting said gaseous medium to the action of a composite cyclic electrical discharge produced by the intersection of a plurality of separate cyclic electrical discharges differing in energy quantum, each of said discharges emanating from a separate high potential elec-

trode terminal, each of said electrical discharges being generated by cyclic electrical energy differing in energy quantum from each other by at least an amount lying between the limits of 6.55×10^{-22} ergs and 1.31×10^{-21} ergs, each of said discharges having an energy quantum of less than 1.97×10^{-16} ergs.

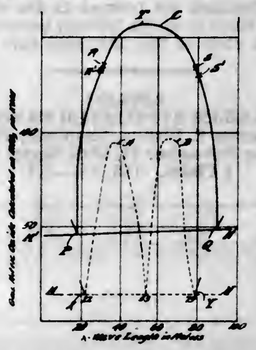
2,485,477
METHOD OF PRODUCING NITROGEN OXIDE IN AN ELECTRICAL DISCHARGE APPARATUS
William J. Cotton, Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application September 9, 1944, Serial No. 553,426
33 Claims. (Cl. 204—179)



1. The method of producing nitrogen oxide comprising introducing a nitrogen-and-oxygen-containing gaseous medium into a gas discharge apparatus provided with at least three separately spaced electrodes whose extended axes pass through a common point, said electrodes being located in at least two quadrants, two of said quadrants being oppositely positioned, the so-disposed electrodes defining at least two electrode gaps, the terminals for each gap being in different quadrants, and subjecting said gaseous medium to the action of a composite cyclic electrical discharge produced by a plurality of cyclic electrical discharges of different energy quanta which intersect and extend across their respective electrode gaps, one of said discharges having an energy quantum equivalent to about that present in cyclic sinusoidal waves measured in meters equal to one of the following: 4.5, 9, 18, 36, 72, 144, 288, 576, 1,152, 2,308, 4,616, 9,232, and 18,464, said wave lengths being related one to the other by the exponential expression $2^n l$, where l is one of said series of wave lengths characteristic of the gaseous medium being reacted in producing a peak yield of the transformed product and n is any one of the integers from -10 to $+10$ including zero which results in a wave length lying within the set forth limits of said series.

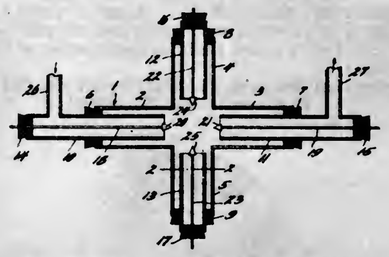
2,485,478
METHOD OF ELECTROCHEMICALLY PRODUCING NITROGEN OXIDE IN THE PRESENCE OF TANTALUM ELECTRODES
William J. Cotton, Butler, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application December 9, 1947, Serial No. 790,568
29 Claims. (Cl. 204—179)

1. The method of producing nitrogen oxide comprising introducing a gaseous medium consisting principally of oxygen gas and nitrogen gas into a gas discharge apparatus including a reactor provided with a plurality of spaced electrodes disposed therein to supply the reactor with a plurality of cyclic electrical discharges having different energy quanta, said electrodes containing as their essential activating constituent an electrically conducting tantalum material, and subjecting said gaseous medium in the presence



of the activating tantalum electrodes to the action of a luminous cyclic electrical discharge produced by the intersecting and merging of at least two separate cyclic electrical discharge of different energy quantum, one of said discharges being generated by cyclic electrical energy having an energy quantum-content equivalent to a sinusoidal frequency between about 12 mc. (25 meters) and about 3.53 mc. (85 meters).

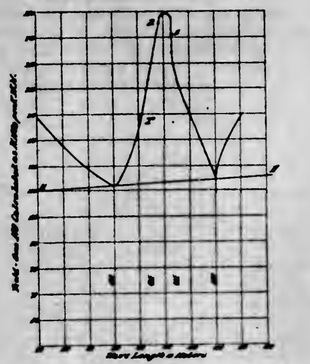
2,485,479
ELECTROCHEMICAL PRODUCTION OF NITROGEN OXIDE
William J. Cotton, Butler, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application October 8, 1948, Serial No. 53,520
16 Claims. (Cl. 204—179)



1. The method of producing nitrogen oxide comprising introducing a gaseous medium consisting principally of nitrogen gas and oxygen gas into a gas discharge apparatus having an assemblage of at least three separately spaced electrodes provided with metallic electrode terminals selected from the group consisting of a metal-containing material in which copper predominates and a metal-containing material in which nickel predominates at least two of said electrode terminals being high potential electrode terminals, said assemblage of electrode terminals being positioned to have a cyclic electrical discharge pass between a pair thereof, one of said pair being a low potential electrode terminal, subjecting said gaseous medium simultaneously

to a plurality of separate cyclic electrical discharges, each of which emanates from a separate high potential electrode terminal, said discharges intersecting to form a composite discharge, one of said discharges being generated by cyclic electrical energy quantum equivalent to a sinusoidal frequency between about 10 mc. (30 meters) and about 7.14 mc. (42 meters), and the other discharge being generated by a cyclic electrical energy quantum equivalent to a sinusoidal frequency between about 10 cycles (30,000,000 meters) and about 50,000 cycles (6,000 meters).

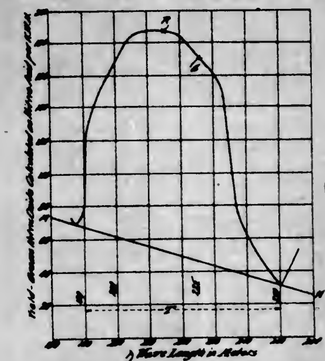
2,485,480
ELECTROCHEMICAL PRODUCTION OF NITROGEN OXIDE
William J. Cotton, Butler, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application June 17, 1949, Serial No. 99,815
In Canada June 11, 1945
15 Claims. (Cl. 204—179)



1. The method of producing nitrogen oxide comprising introducing into a reactor a nitrogen-and-oxygen-containing medium which produces nitrogen oxide upon treatment with crossed electrical discharges, said reactor being provided with a plurality of separately spaced electrode terminals adapted to generate cyclic electrical discharges which cross each other, at least one of said terminals comprising a lithium alloy selected from the group consisting of a nickel-lithium alloy in which the nickel predominates, and a copper-lithium alloy in which copper predominates, and subjecting said medium to a plurality of electrical discharges which cross each other and which emanate from said separately spaced electrodes, one of said discharges being generated by a cyclic energy quantum equivalent to a sinusoidal frequency between about 2.50 mc. (120 meters) and about 1.875 mc. (160 meters), and the other discharge being generated by a cyclic energy quantum equivalent to a sinusoidal frequency between about 10 cycles per second (30,000,000 meters) and about 50,000 cycles per second (6,000 meters).

2,485,481
ELECTROCHEMICAL PRODUCTION OF NITROGEN OXIDE
William J. Cotton, Butler, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application June 17, 1949, Serial No. 99,816
7 Claims. (Cl. 204—179)

1. The method of producing nitrogen oxide comprising introducing a gaseous medium consisting principally of nitrogen gas and oxygen gas into a gas discharge apparatus having an assemblage of at least three separately spaced electrodes, two of said electrodes being high potential electrodes, said assemblage of electrodes being positioned to have a cyclic electrical discharge pass between a pair thereof, one of said pair being a low potential electrode, said electrodes comprising a lithium alloy of a metal having an atomic number selected from the group of numbers consisting of 28 to 29, said metal predominating in the alloy, the latter containing 1% to 5% of lithium, and subjecting said gase-



ous medium to the action of a composite cyclic luminous electrical discharge produced by the intersection of a plurality of separate cyclic electrical discharges differing in energy quantum, each of said discharges emanating from a separate high potential electrode, one of said discharges being generated by a cyclic energy quantum equivalent to a sinusoidal frequency between about 1.50 mc. (200 meters) and about 1.33 mc. (225 meters), and the other discharge being generated by a cyclic energy quantum equivalent to a sinusoidal frequency between about 10 cycles per second (30,000,000 meters) and about 50,000 cycles per second (6,000 meters).

2,485,482
BROAD BAND ANTENNA
Edward Cecil Cork, Ealing, London, England, assignor to Electrical & Musical Industries Limited, Hayes, England, a company of Great Britain
Application July 21, 1945, Serial No. 606,401
In Great Britain May 2, 1944
5 Claims. (Cl. 250—33)



1. An antenna element including a plurality of conductors arranged in the form of a hollow

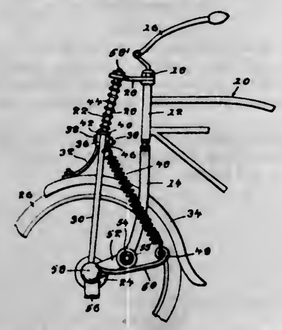
cylindrical body, each of said conductors having a number of series connected capacitors disposed along its length, each of said conductors including a number of coaxially arranged interfitting tubes, insulated one from the other, whereby the length of said conductors is divided by series capacitors.

2,485,483
ELECTRIC LIGHTED KEY CHAIN
Thomas J. Cunningham, Baltimore, Md.
Application June 7, 1947, Serial No. 753,162
3 Claims. (Cl. 240—6.4)



1. An illuminated key-ring assembly comprising in combination, a hollow housing, a cap for said housing, a lug position near the cap end of said housing, a chain attached to said lug, a fastener attached to the other end of said chain, a hollow flanged sleeve having a hole in one flange positioned within said housing near the front end thereof, an insulated collar positioned in the front end of said housing, a metallic collar positioned in said insulated collar, an electric lamp positioned in said metallic collar, a slot positioned in said housing in alignment with said lug, a switch eyelet of less height than said lug slidably positioned in said slot and positioned by said flanged sleeve, a pin on said switch eyelet for projecting through the hole in said flanged sleeve and contacting the metallic lamp holding collar to close the circuit and light the electric lamp, resilient means for normally holding the switch eyelet in open position, and an electric battery positioned in the flanged sleeve enclosed within said housing.

2,485,484
BICYCLE SHOCK ABSORBER
Cullen H. Dean, Flomaton, Ala.
Application March 20, 1946, Serial No. 655,765
1 Claim. (Cl. 280—277)

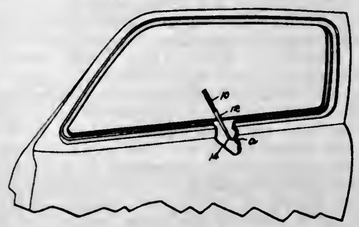


A device of the character described in combination with a bicycle including a frame, a front fork, an axle, and a wheel on the axle, comprising a support secured to the frame above the plane of the axle, a pair of rods fixed at their lower ends to the opposite ends of the axle and slidably mounted at their upper ends in the support, a pair of opposed parallel arms each pivoted at one of their ends to the axle and at their opposite ends to the lower ends of the fork, a pair of spring suspension arms pivoted at one end of the axle and having loops at their opposite ends, a roller carried by the fork outwardly of the first pair of arms and engaging the second pair of arms to provide a fulcrum point for said second pair of arms, a bar fixed to said rods below said support, springs on said rods engaging said support at their upper ends and said bar at their lower ends and springs connected to the opposite ends of the bar and to the loops on the ends of the second pair of arms to absorb shocks which may be encountered by the bicycle.

2,485,485
PROCESSES FOR REMOVING ANIONS FROM FLUID MEDIA
James R. Dudley, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 27, 1946, Serial No. 679,872
7 Claims. (Cl. 210—24)

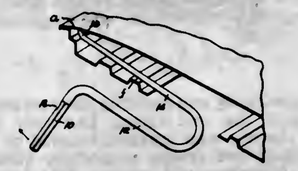
1. A process for removing anions from fluid media which comprises contacting a fluid medium containing anions with an anion active material including a substantial proportion of an anion active, substantially water and dilute acid insoluble, granular, cured resin comprising an alkylene polyamine-aldehyde condensation product wherein the amino groups of the polyamine are connected by aliphatic linkages and the amino groups of said polyamine have at least one hydrogen atom attached to each of the nitrogen atoms before condensation with said aldehyde, said condensation product normally having substantial water and dilute acid solubility but being insolubilized by interpolymerization with an aldehyde condensation product of urea, said insoluble, granular, cured resin being essentially an aldehyde condensation product of an alkylene polyamine and urea in which the molar ratio of alkylene polyamine to urea is from 1:2 to 1:5, and thereafter separating the fluid medium from said anion active material.

2,485,486
TOOL FOR RESHAPING AUTOMOBILE PANELS
William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 615,026
2 Claims. (Cl. 81—15)



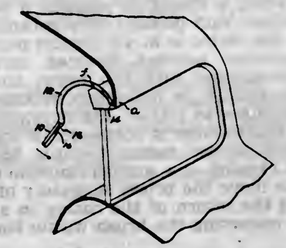
1. A tool for picking up dents in sheet metal panels by repeated prying action thereon at closely spaced points comprising a generally straight lever wieldable in one hand and of a section rigid under manually applied stress, the lever comprising a proximal hand grip and a smoothly tapering shank of substantially circular section, the surface of which shank merges distally into an extension directed forward and outwardly at a low angle to the axial line of the body of the shank and terminating in a point positioned eccentrically to the axial line of the shank at least closely adjacent the projected outline of the hand grip and directed forwardly and outwardly at a low angle to said axis.

2,485,487
TOOL FOR RESHAPING AUTOMOBILE PANELS
William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 615,021
2 Claims. (Cl. 81—15)



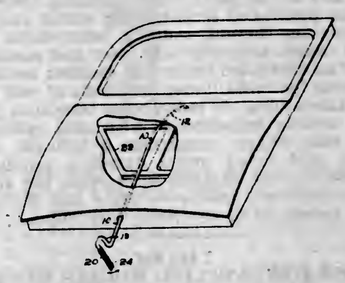
1. A one-hand tool for picking up dents in sheet metal panels by repeated prying actions thereon at closely spaced points and substantially rigid under manually applied stress comprising a metal rod having a straight proximal portion providing a hand grip, an intermediate portion cranked and recranked to provide a throat spaced substantially rearwardly from the grasping hand for embracing an obstruction between the operator and the work, said recranked portion extended distally beyond the line of the grip, having a smooth and tapered cross sectional form, and terminating in a relatively short, angularly directed tip, having a substantially conical blunt point, the recranked portion and its extension providing a lever of substantial length adapted to find a fulcrum support along said length for the forceful operation of the point by manipulation of the hand grip.

2,485,488
TOOL FOR RESHAPING AUTOMOBILE PANELS
William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 615,022
1 Claim. (Cl. 81—15)



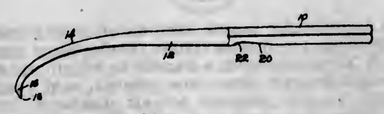
A combined striking and prying tool for operating on dents in metal panels, the tool having a general contour resembling that of a sickle, the tool being as a whole of substantial mass but wieldable in one hand and formed of a metal rod of a section providing substantial rigidity under manually exerted strain, the rod comprising a portion providing a grip for encirclement by the grasping hand, a cranked and recranked portion extending therefrom and providing a throat for embracing an obstruction between the operator and the work, and a peen portion extending from the end of the recranked portion beyond the extension of the axial line of the stock portion and substantially perpendicular thereto, the extremity of the peen portion being beveled outwardly from the concave side of the throat and also beveled from the two lateral sides to provide a point at the extreme forward end and outer surface of the peen portion, the tool as a whole being organized in a single plane.

2,485,489
TOOL FOR RESHAPING AUTOMOBILE PANELS
William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 615,023
1 Claim. (Cl. 81—15)



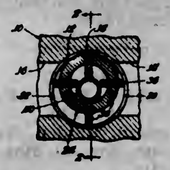
A tool for picking up dents in sheet metal panels by repeated prying actions thereon at closely spaced points comprising a lever wieldable in one hand and of a section rigid under manually applied stress and comprising a long straight shank extending toward the distal end of the tool without increase of or abrupt changes in dimension and which merges smoothly into an arcuate distal portion deflected laterally thereon and which distal portion terminates in a blunt point, the proximal portion of the shank having a crossbar handle transverse to the plane in which the distal portion is deflected.

2,485,490
TOOL FOR RESHAPING AUTOMOBILE PANELS
William H. Ferguson, Malden, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application September 7, 1945, Serial No. 615,024
1 Claim. (Cl. 81—15)



A tool for picking up dents in sheet metal panels by repeated prying actions thereon at closely spaced points comprising a lever wieldable in one hand and of a section rigid under manually applied stress, the lever comprising a hand grip and a coaxial shank merging into a distal portion extending laterally from the axis of the shank in a smooth curve of progressively decreasing radius and terminating in a point directed outwardly from the shank and inclined backwardly.

2,485,491
RECIPROCATING VANE PUMP
Ray G. Holt, Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 30, 1943, Serial No. 500,519
2 Claims. (Cl. 103—126)



1. In a rotary fluid displacement device including means defining a cylindrical bore having fluid inlet and outlet ports communicating therewith, a rotor positioned eccentrically within said bore for rotation therein, radially reciprocable elongated vanes carried by said rotor and means defining an elongated roller-like resilient center pin engaging the radial inner terminals of said vanes and maintaining the radial outer terminals thereof in sealing engagement with said cylindrical bore, said means comprising a helically coiled spring, said coiled spring having a ground peripheral surface effective to increase the area of contact between successive turns and the radial inner terminals of the respective vanes.

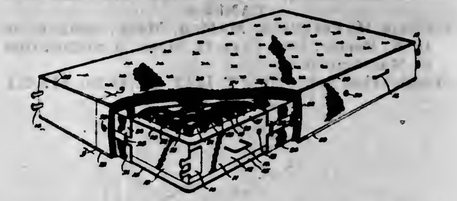
2,485,492
DEVICE FOR SAMPLING MOLTEN METAL IN A LADLE OR THE LIKE
Howard N. Hubbard and Edward F. Ketterer, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application March 23, 1948, Serial No. 16,584
10 Claims. (Cl. 73—425.4)



1. A device for taking samples of molten metal comprising a refractory tube, a shielding sleeve surrounding said tube, a handle to which one end of said tube and sleeve are secured, said handle having an exit passage for air displaced from said tube, and a disc at said one end of said tube having an air vent therein.

2,485,493
UNITARY BED BOTTOM AND MATTRESS STRUCTURE
Louis Jacobs, Chicago, Ill., assignor to Jerome S. Weiss, Chicago, Ill.
Application June 30, 1944, Serial No. 542,896
1 Claim. (Cl. 5—235)

A unitary bed bottom and mattress structure adapted to be mounted on a bedstead head member and foot member comprising a rigid rectangular bed frame, a coil spring assembly unit including a plurality of coil springs mounted in a wire border, a plurality of springs secured to the wire border and rigid rectangular frame for suspending the coil spring assembly unit in the rigid rectangular bed frame, a padded covering com-



pletely enclosing and padding the rectangular bed frame and the coil spring assembly unit suspended therein, and brackets carried by the rigid rectangular bed frame projecting through the padded covering and having attaching means thereon to mount the unitary bed bottom and mattress structure on the bedstead head member and foot member.

2,485,494
GRAVITY CONTROLLED LIQUID APPLYING DEVICE
Harry W. Jockers, Philadelphia, Pa., assignor of one-half to Arthur D. Clair, East Orange, N. J.
Application June 18, 1949, Serial No. 99,971
6 Claims. (Cl. 15—137)

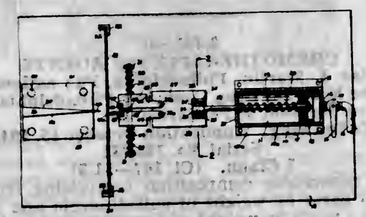


5. In a device for applying liquid, a casing for liquid having a discharge passage, a brush normally within said passage to substantially close it when the casing is in an upright position with the discharge passage directed upwardly, a weight connected with the brush and free to move by gravity in opposite directions and of sufficient mass to retract the brush within the passage and to move it outwardly of the passage, the tilting of the casing towards an inverted position causing the gravity movement of the weight to move the brush outwardly of the passage and the return of the casing to an upright position retracting the brush within the passage.

2,485,495
APPARATUS FOR MAKING WIRE-CUTTING GUIDES
Thomas F. Kenney and Arthur Bellavance, Lowell, Mass., assignors to Boott Mills, Lowell, Mass.
Application June 24, 1946, Serial No. 679,030
2 Claims. (Cl. 153—48)

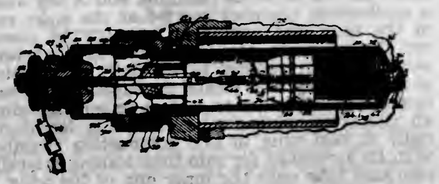
1. A forming device as described comprising a base plate, a wedge block thereon having opposite inclining vertical sides and a sharp forward

edge, a pair of confronting guide members disposed outwardly and forwardly of said edge for slidably supporting a length of wire at right angles to the axis of said block, a pusher slidable on said base plate for movement along the longitudinal axis of said block, a pair of adjacent levers pivotally carried by said pusher and extending towards said block, roller means rotatably carried by each of said levers and disposed at the inner edge of the free end thereof, said roller means including a pair of rollers disposed one above the other for rotation about a vertical axis, the confronting edge of each of said rollers being formed with a bevel adapted to receive the length of wire, spring means engaging said pair of levers



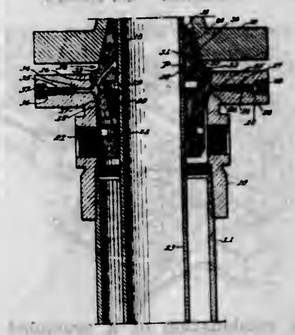
for urging said roller means into contact with each other, and motive means operatively connected to said pusher for moving the latter towards said block whereby when said pusher is moved towards said block said roller means will engage the length of wire substantially at the mid-point thereof for initially impinging the wire on said sharp forward edge and further motion of said pusher will cause said rollers to run under pressure against said opposite inclining block sides to fold adjacent portions of the wire thereagainst, and whereby said bevelled edges on said rollers will prevent vertical movement of the wire relative to said roller means during the forming operation.

2,485,496
ELECTRICAL IGNITER
Theodore Y. Korsgren, Winnetka, and Vernon N. Tramontini, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 19, 1944, Serial No. 541,064
3 Claims. (Cl. 219—32)



3. In an electrical igniter, the combination of a generally cylindrical stainless steel envelope, an insulating heat resistant form within said envelope, means securing one end of said form to said envelope, a wire wound on said form to provide a heating element, one end of said wire being electrically connected to said envelope, a tube extending through said envelope, said tube being held in position by said form and having the other end of said wire electrically connected thereto, and an electrically insulating vitreous seal between said tube and said envelope.

2,485,497
WELLHEAD EQUIPMENT
John Lemley, Erwin F. Hill, and Robert A. Mueller, Houston, Tex., assignors to Gray Tool Company, Houston, Tex., a corporation of Texas
Application December 26, 1944, Serial No. 569,863
11 Claims. (Cl. 285—22)



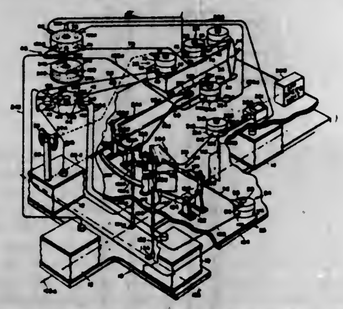
1. A slip type suspension hanger comprising a body having a tapered portion receivable in an upwardly flared casing head seat, said portion having a plurality of peripheral packing rings for sealing engagement with said seat, an annular groove formed in said portion between a pair of said rings, said body having an axial opening therethrough which has an enlarged zone constituting a slip bowl, the wall of said opening having an annular groove therein, and a passage in said body connecting said annular grooves.

2,485,498
MUSICAL INSTRUMENT
Harry Lewis, Gainesville, Tex.
Application May 14, 1947, Serial No. 747,973
5 Claims. (Cl. 84—296)



1. In a musical instrument having an elongated wood piece, a string extending longitudinally along the top of the wood piece and connected therewith by a projection and by a bridge over which the string can be stretched to be tightened, a tightening piece for the string adjustable in one end of the piece, a reproducer connected to the wood piece including a support and diaphragm, and a horn extending from the reproducer support; a needle arm pivoted upon the reproducer support and connected to the center of the diaphragm, the upper end of the needle arm being inwardly bent, a peg element connected to the wire string and to the inbent portion of the needle arm, and a sound deadening member mounted on the support and positioned to engage the said inbent portion of the needle arm.

2,485,499
TAKE-OFF AND LANDING SIMULATING MEANS FOR GROUNDED AVIATION TRAINERS
Raymond H. Lewis, Binghamton, N. Y., assignor to Link Aviation, Inc., Binghamton, N. Y., a corporation of New York
Application November 7, 1947, Serial No. 784,616
8 Claims. (Cl. 35—12)



1. The combination of a grounded aviation trainer comprising a fuselage universally mounted with respect to a stationary base, manually operable means in the fuselage simulating the pitching and banking control means of a real plane, motive means for changing the pitching and banking position of said fuselage and a first control means connected to said manually operable means and to said motive means for actuating said motive means under predetermined conditions to universally pitch and bank said fuselage in response to movements of said manually operable means, a second control means connected to said manually operable means and to said motive means for actuating said motive means under different predetermined conditions to raise one end of said fuselage in response to movements of said manually operable means, an altitude unit and an air speed unit forming a part of the trainer and respectively operable in response to changes in the assumed altitude and assumed air speed of said trainer, means interconnecting said air speed unit and said second control means for rendering said manually operable means operable to raise one end of the fuselage upon the reaching of a predetermined assumed air speed, and means interconnecting said altitude unit and said first control means for rendering said manually operable means operable to universally pitch and bank said fuselage upon the reaching of a predetermined assumed altitude.

2,485,500
MOTOR VEHICLE FRAME CONSTRUCTION
Kenneth E. Lyman, Lake Forest, Ill., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1947, Serial No. 736,840
8 Claims. (Cl. 280—106)

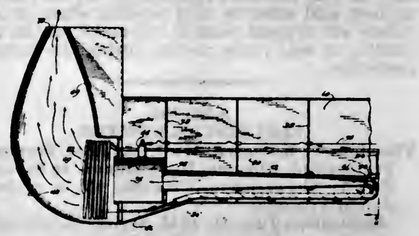


6. In a motor vehicle framework, a pair of side bars spaced apart to define a main body section and having inwardly offset end portions defining narrow extensions of the main body section at the front and rear ends, a channel shaped floor plate extending across the main body section and having its side edges connected to the side bars, cross bars connecting the side bars at the narrow extensions, a pair of triangular supports having their bases connected to the narrow extension at the front end and upstanding therefrom, an upper generally horizontal triangular support having corners connected to the upper ends of the pair of triangular supports, a lower generally horizontal triangular support extending forwardly of the forward extension substantially in the plane thereof, and an upright connecting the forward corners of the upper and lower supports.

2,485,501
CHEMOTHERAPEUTIC AGENTS
Gustav J. Martin, Philadelphia, Pa., assignor to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 15, 1946, Serial No. 703,281
1 Claim. (Cl. 167—51.5)

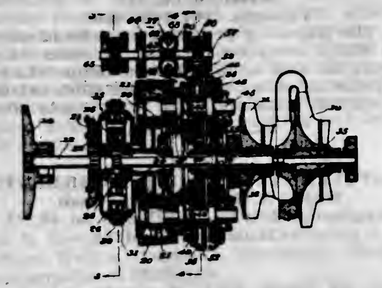
A synergistic composition comprising from 1 to 10 parts by weight of sulfathiazole and from 10 to 1 parts by weight of 5-methyl-tryptophane.

2,485,502
JET PROPULSION MEANS FOR HELICOPTERS
Henry J. DeN. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 12, 1945, Serial No. 587,928
3 Claims. (Cl. 170—135.4)



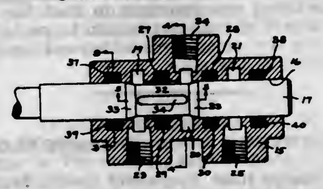
1. In a helicopter wing mounted for rotation about an axis adjacent the inner end of the wing, a combustion chamber carried at the outer end of the wing and having an exhaust jet nozzle for the products of combustion directed tangentially with respect to its path of rotation about said axis, and means for supplying a combustible fuel mixture to said chamber, including an elongated mixing tube extending longitudinally of said wing to said combustion chamber with an air intake for said tube leading laterally into said tube near the inner end of the wing, a fuel nozzle discharging fuel vapor into said tube and toward the combustion chamber under pressure and at high velocity to aspirate the air and compress the resulting mixture on its way to the combustion chamber, the cross section of said tube increasing gradually toward the combustion chamber for reducing the velocity of the compressed mixture, a heat exchanger in the combustion chamber, means to supply liquid fuel to said heat exchanger under pressure whereby said fuel is vaporized and its velocity is increased, and a conduit for vaporized fuel leading from the heat exchanger to the fuel nozzle.

2,485,503
GEARING
Herbert L. Misch, Ferndale, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 3, 1946, Serial No. 694,570
9 Claims. (Cl. 230—11)



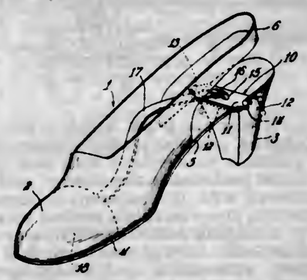
1. Apparatus for driving the impellers of a multistage supercharger for an aircraft engine, said supercharger having a first stage impeller and an impeller of a succeeding stage, comprising, in combination, a drive shaft, a planet gear train including a reacting member serving as a fulcrum for said train, connections between said drive shaft and a second member of said planet train, means connecting a third member of said planet train with the first stage impeller to drive the latter at a low speed, gearing connecting said driving shaft with the impeller of said succeeding stage, and devices including continuously variable speed ratio mechanism connecting said last named gearing with the reacting member of said planet train to drive the third member of said train and thereby the first stage impeller at higher speeds than said low speed.

2,485,504
RECIPROCABLE VALVE
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application November 28, 1945, Serial No. 631,338
3 Claims. (Cl. 251—76)



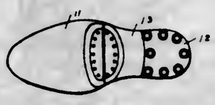
1. A valve comprising a body provided with a cylindrical bore having a circumferential groove therein and two ports communicating with the bore at opposite sides of the groove, a valve piston mounted in the bore to control the flow of fluid between the ports and having a cylindrical portion which fits the bore closely, the piston and body being relatively slidable in the direction of the axis of the bore, and a ring of yieldable material mounted in the groove, the ring when unstressed having an inside diameter somewhat less than the diameter of the bore so that the cylindrical portion of the piston may stress the ring to prevent leakage of fluid past the same, the piston also having a portion of reduced diameter connected to the cylindrical portion by a gradually tapered surface, the diameter of the reduced portion being substantially equal to the inside diameter of the unstressed ring, the reduced portion having one or more longitudinally extending grooves therein to permit fluid flow between the ports when the piston and body are so positioned relatively as to bring the reduced portion within the ring.

2,485,505
SHOE TREE FOR OPEN HEELED SHOES
Robert B. Nelson, Newton, Iowa
Application June 6, 1946, Serial No. 674,837
10 Claims. (Cl. 12—128.1)



1. A shoe tree comprising a generally flat base approximating the width of a shoe, means for connecting the base to a shoe, a toe supporting member including a resilient spring member, said spring member being abuttingly connected to said base and in operative position exerting force opposite the base-to-shoe connecting means.

2,485,506
DUAL-ACTION SHOE ARCH
Karl J. Patry, Baltimore, Md.
Application July 13, 1946, Serial No. 683,499
2 Claims. (Cl. 36—76)



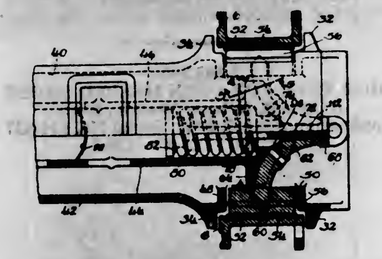
1. A percussion pad section of the class described comprising a forward portion and a rearward portion integrally connected and having a groove running transversely across the under face thereof affording a hinge between the said portions, the upper face of said portions being shaped to follow the contour of a shoe at the shank thereof for attachment thereto, and said portions having their under face parallel to the sole and heel of the shoe when in place.

2,485,507
CHLORINATED HYDROCARBON
Melvin A. Perkins, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application July 27, 1944, Serial No. 546,915
1 Claim. (Cl. 260—654)

As a new product of manufacture, a highly chlorinated hydrocarbon having the structural formula:

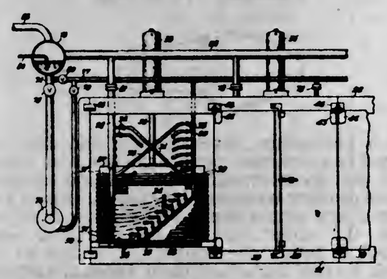
$$CHCl{:}CClCHClCCl_2CHCl_2$$
$$\quad\quad\quad

2,485,508
SNUBBED TRUCK
Raymond C. Pierce, Chicago, Ill.
Application June 4, 1945, Serial No. 597,557
26 Claims. (Cl. 105—197)



7. In a railway car truck, a side frame having spaced columns, a bolster spring-supported therefrom in guidable engagement with said columns, friction shoes pocketed in the sides of said bolster in engagement with the adjacent columns, each of said friction shoes having a central socket, and means for actuating said friction shoes comprising a compression spring housed in said bolster in abutment with spring seat means thereon, a tension rod abutting one end of said spring, and thrust members operatively connected to the other end of said rod, in slidable engagement with the bolster, and received in said sockets for actuation of respective shoes.

2,485,509
REFRIGERATING APPARATUS
George W. Raye, Darien, Conn., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application July 6, 1943, Serial No. 493,657
23 Claims. (Cl. 62—114)

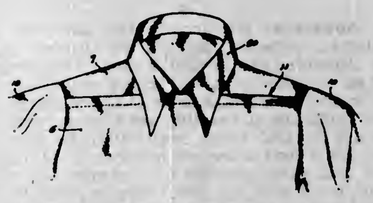


1. A refrigerating apparatus comprising a vertical stack of plates separable from one another; laterally spaced refrigerant supply and discharge connections on each of said plates located adjacent opposite sides of said stack at the rear thereof; refrigerant supply and discharge headers inset laterally with respect to said discharge and supply connections respectively, both of said headers being spaced rearwardly of said stack and one of said headers being rearwardly offset with respect to the other; two vertically disposed sets of conduit means extending laterally in opposite directions from said supply and discharge headers to said supply and discharge connections respectively; one of said sets being located intermediate the other set and said stack.

2,485,510
PREPARATION OF ACRYLIC ACID AND ESTERS THEREOF
Bryan C. Redmon, Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 13, 1946, Serial No. 647,427
4 Claims. (Cl. 260—486)

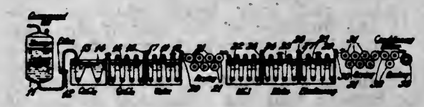
1. The process of preparing an ester of acrylic acid which comprises heating an ester of dihydracrylic acid to dehydration temperature in the presence of a neutral dehydration catalyst, the reaction being conducted in the vapor phase.

2,485,511
SLIPOVER STYLE OF OUTER GARMENTS
Walter A. Riggs, Everett, Wash.
Application July 26, 1948, Serial No. 40,723
5 Claims. (Cl. 2—128)



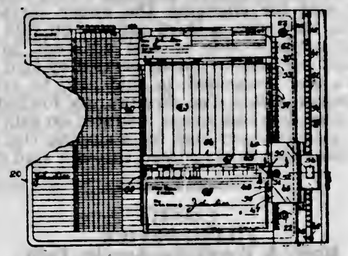
3. A shirt of the slip-over type fashioned from a U-shaped yoke producing the neck opening for the garment and having said yoke applied between a one-piece shirt-back and a one-piece shirt-bosom with the mouth of the U-opening directed forwardly, the yoke having its rear edge permanently joined to the shirt-back and having its front edge detachably connected to the shirt-bosom to provide closeable gaps extending as reentrant slits laterally in both directions from the neck opening, fastening devices being provided along the meeting edges of said gaps for drawing the edges together to close the gaps, the shirt having a fly arranged, when the gaps are closed, to substantially conceal the fastening devices and being characterized in that the same is made a part of the shirt-bosom to project upwardly from the latter over and beyond the front-edge margins of the yoke.

2,485,512
MANUFACTURE OF TRANSPARENT ALGINIC FILMS
Robert Charles Rose, Englefield Green, England, assignor to Alginate Industries Limited, Maidenhead, Berkshire, England, a British Company
Application December 19, 1947, Serial No. 792,728
In Great Britain October 21, 1941
4 Claims. (Cl. 18—57)



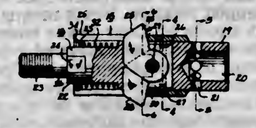
1. A process for the continuous production of transparent alginic acid films comprising in combination the steps of continuously projecting a liquid film of sodium alginate solution having a viscosity between 30 and 200 centipoises when diluted to a test strength of 1% and 15° C., said solution being employed in a concentration of 6% to 8% sodium alginate, into a coagulating bath of calcium chloride solution having a concentration of 3% to 8% calcium chloride and thereby coagulating a film of calcium alginate, continuously drying said calcium alginate film until the solids content of the film is between 20% and 40% of its total weight, continuously leading said partially dried film through an acid bath containing mineral acid to effect conversion to alginic acid and thereafter washing and drying said alginic acid film.

2,485,513
PAYROLL BOARD
Lois K. Straus, Great Neck, N. Y., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application March 25, 1948, Serial No. 17,080
7 Claims. (Cl. 282—29)



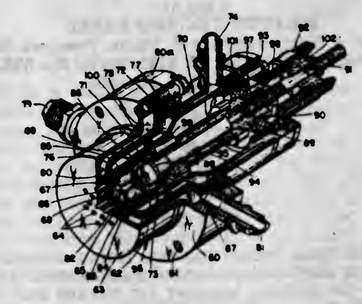
1. In combination, a writing board, sheet-positioning means fixed to and rising above said board near one end thereof, a straight edge member hinged to the edge of said board, adjacent said positioning means and extending inwardly over the same, means yieldingly urging said straight edge member toward said board, a clamping member slidably mounted along and above said straight edge member, and projecting inwardly beyond the latter into clamping position relative to said board, and positioning pins fixed to and rising above the inner edge of said clamping member.

2,485,514
SPEED RESPONSIVE VALVE
James Sturrock, Cleveland Heights, Ohio, assignor to The Rotor Tool Company, a corporation of Ohio
Application June 14, 1944, Serial No. 540,281
4 Claims. (Cl. 137—140)



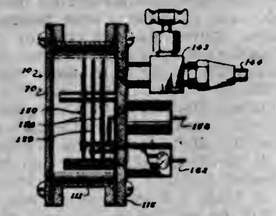
3. A governor disposed to rotate about an axis comprising, in combination, an inner member, a sleeve member surrounding the inner member, said inner member and sleeve being rotatably driven as a unit, means responsive to the rotative speed of the unit to reciprocably move one of said members longitudinally with respect to the other member and perform governing action, and reciprocating dampening means between the inner member and the sleeve member to dampen relative longitudinal movement between said members, said dampening means comprising at least a shoe member carried by said inner member and adapted to frictionally contact said sleeve member, said at least a shoe member and said inner member having interlocking means adapted to hold said at least a shoe member against longitudinal movement relative to said inner member, said at least a shoe member being actuable by centrifugal force to move radially outwardly relative to said inner member and frictionally engage the sleeve member, the degree of frictional engagement of the at least a shoe member against the sleeve increasing in relation to the increase in speed of rotation of said inner member and sleeve member, whereby friction between the said at least a shoe member and the sleeve member will be related to rotative speed of the governor to dampen the longitudinal movement of the sleeve member relative to the inner member.

2,485,515
PRESSURE PICKUP
George P. Sutton, Los Angeles, Charles M. Welfe, Covina, and John A. Widenmann, South Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application October 3, 1947, Serial No. 777,822
9 Claims. (Cl. 323—76)



1. A pressure responsive device comprising a housing, a vibratory diaphragm responsive to changes of pressure mounted in an opening from said housing, said diaphragm comprising two spaced vibratory walls, each integral with the housing and providing space therebetween for fluid flow, and means for sending a flow of cooling fluid into and out of the space, a condenser surface within the housing in spaced relation to said diaphragm and providing capacity between the surface and the diaphragm dependent on the pressure on the diaphragm, a coil form placed within the housing in coaxial relationship in back of the condenser surface, a coil wound on the form and connected with the condenser surface, a condenser secured to the form and having one of its terminals attached to the terminal of the coil which is connected with the condenser surface, and having its other terminal connected to the casing to which the diaphragm is connected, and means for permitting the entry of an electric transmission line into the rear of said housing to connect with the coil.

2,485,516
SHALLOW PLANE PROPORTIONAL COUNTER
Robert W. Thompson, Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 10, 1945, Serial No. 604,276
4 Claims. (Cl. 250—83.6)



1. In a shallow plane proportional counter, a housing, a gaseous mixture within said housing consisting of approximately 97 percent argon and 3 percent carbon dioxide, an electrode assembly disposed within said gaseous mixture in said housing in electrically insulated relation thereto, said assembly comprising a pair of generally planiform cathode electrodes in parallel spaced relation, and an anode electrode spaced midway therebetween, said anode electrode consisting of a plurality of wire-like elements, and means maintaining said cathode electrodes at one potential and said anode electrode at a different potential.

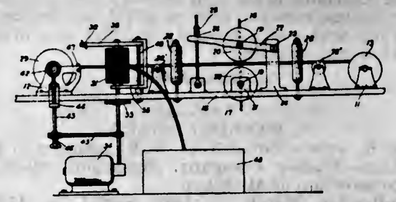
2,485,517
DRAWING BOARD EASEL
Sven A. Vaule and Rae D. Vaule, Freeport, Ill.
Application December 22, 1945, Serial No. 636,556
7 Claims. (Cl. 35—60)



1. An easel comprising two frame sections of skeleton construction hingedly connected at the top to be foldable together for storage and unfoldable to spread apart relationship for use, a drawing board mounted on the outer face of each of said frame sections leaving storage spaces behind the same within the frame sections, and a tray-like container for paper and drawing materials hingedly connected at one end to one of said frame sections and foldable from an operative position disposed horizontally between and supported at opposite ends upon the spread apart frame sections to a raised inoperative position disposed between and substantially parallel to the drawing boards and housed in the storage spaces in the frame sections in their folded together relationship.

2,485,518
MACHINE FOR STRIPPING INSULATION FROM WIRES
Lucien Vermette, Yonkers, N. Y.
Application February 16, 1945, Serial No. 578,341
2 Claims. (Cl. 81—9.51)

1. In a machine for stripping insulation from wires, having a supporting table provided with a supply reel for insulated wire at one end thereof and a recovery reel for the wire at the other end thereof, horizontally and vertically disposed guide rollers mounted on the table for guiding the wire from the supply reel to the recovery reel, and power means for said recovery reel to draw the wire from said supply reel, the improvement comprising a support mounted on the table intermediate of the guide roller, a cutter disc rotatably mounted in said support for engaging the lower surface of the insulated wire, a second support mounted on the table to one side of and adjacent to the first support, an arm pivotally mounted



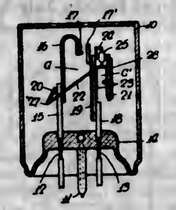
on said second support, a second cutter disc on said arm above and in alinement with said first cutter disc for engaging the upper surface of the insulated wire, a third support on said table on the opposite side of and adjacent to said first support, tension means carried by said third support and connected to said arm to tension said second cutter disc downwardly toward said first cutter disc and means mounted on said table before said recovery reel for stripping the insulated wire after it has passed through said cutter discs.

2,485,519
FILING DEVICE
Harry A. Wardy, Los Angeles, Calif.
Application August 19, 1944, Serial No. 550,135
4 Claims. (Cl. 129—16)



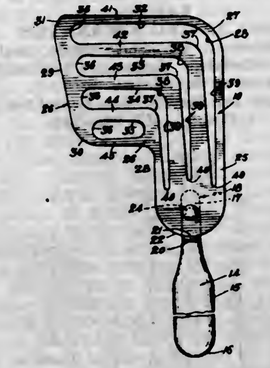
1. A filing device comprising, in combination, a group of flat sheets assembled face-to-face in vertically stepped relation, hinge means connecting adjacent sheets at their lower edges to hold said sheets in said vertically stepped relation and to form a series of vertically opening file pockets, said hinge means having a slidable connection to provide for transverse shifting of one sheet toward and away from the adjacent sheets to expand or contract the pockets formed by the sheets, said hinge means providing for pivoting of adjacent sheets about a horizontal axis extending laterally of the sheets but preventing vertical movement of adjacent sheets relative to each other, and means on at least one of said sheets for supporting the assembled group of sheets.

2,485,520
GLOW DISCHARGE SWITCH
Adolph Warsher, Maywood, N. J., assignor to Maxwell M. Bilofsky, Newark, N. J.
Application June 6, 1944, Serial No. 538,987
7 Claims. (Cl. 200—113.5)



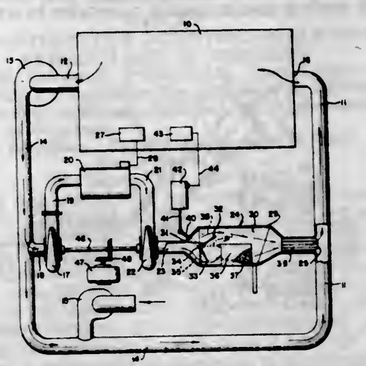
1. A glow discharge switch comprising an envelope having a pair of bi-metal electrodes spaced for glow discharge therebetween, one of said electrodes being less sensitive to heat than the other and flexing away from the latter to serve as a switching electrode under the prolonged evolution of heat in the glow discharge gap, an auxiliary electrode spaced from said switching electrode and out of circuit under normal operation, and means under control of said switching electrode and carried thereby to close the circuit to said auxiliary electrode thereby to effect a glow discharge between the switching and the auxiliary electrode, said latter glow discharge circuit having sufficient heat evolution to maintain the switching electrode in its deflected position as long as the circuit remains closed.

2,485,521
SPATULA
Robert H. Wendt, Evanston, Ill.
Application October 27, 1948, Serial No. 56,841
5 Claims. (Cl. 294—7)



1. In a spatula for handling food products on a griddle, the combination of a handle having a grip portion, a downward offset, and an attaching flange with a flexible sheet metal, resilient plane body secured to said attaching flange, said body including two portions at right angles to each other, with the handle secured to the end of one portion, the end of the other portion being insertable beneath the food, by twisting the wrist, and pressing downwardly and moving laterally, the said body being formed with a plurality of elongated apertures extending from its free advancing edge to the portion attached to the handle, to reduce the cross-sectional area of the remaining portions and to increase their flexibility so that the twisting and pressure may place the laterally projecting free end portion flatly on the griddle.

2,485,522
HUMIDITY CONTROL IN AIRCRAFT AIR CONDITIONING
Soren K. Andersen, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company Division, Los Angeles, Calif., a corporation of California
Application September 4, 1945, Serial No. 614,323
13 Claims. (Cl. 236—44)

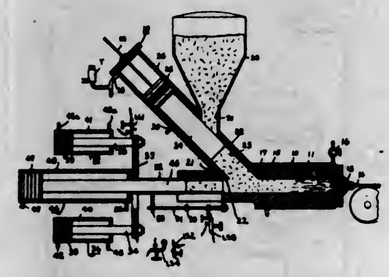


7. In a cabin air conditioning system having means for circulating air, the combination of: means for passing a first flow of air into the cabin; means for compressing a second flow of air; a cooling means; means for passing the compressed air through said cooling means to cool the same; means for reexpanding and further cooling the compressed, cooled air; means for removing moisture from only a part of the reexpanded air; and means for delivering said second flow of air into said first flow of air.

2,485,523
HYDRAULIC INJECTION OF PLASTICS AS A CONTINUOUS STRIP
Bernard D. Ashbaugh, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, a corporation of Delaware
Application July 21, 1948, Serial No. 495,553
8 Claims. (Cl. 18—12)

8. An apparatus for continuous extrusion that includes, an extrusion cylinder, feeding means for feeding material into said extrusion cylinder, pressure means for actuating said feeding means with a predetermined pressure for filling said extrusion cylinder and simultaneously eject material from the extrusion cylinder, plastic material flow controlling means operable during operation of said feeding means for cutting off the feeding of material into said extrusion cylinder and thereby stop ejection of plastic material by said feeding means, an ejection means for ejecting material from said extrusion cylinder, means for operating said ejection means at a relatively constant rate of movement irrespective of resistance met by said ejection means, means operated by

said flow controlling means just before the said means stops flow of material to said extrusion cylinder for initiating actuation of said ejection means to place same in operation before said pressure operated feeding means stops ejecting material from said extrusion cylinder to thereby maintain continuous extrusion from the extrusion cylinder at relatively constant pressure upon the material in the extrusion cylinder, means operated in response to the positon of the flow controlling means when the flow of material from the feeding means to said extrusion cylinder is stopped thereby for initiating operation of said feeding means to pick up a fresh charge of material to be fed into said extrusion cylinder, means operated in response to the position of the feeding means when said feeding means has received a fresh charge of material for initiating actuation of said pressure means to apply pressure upon said feeding means, means responsive to a predetermined pressure upon said feeding means for initiating actuation of said flow controlling means to operate the same to permit flow of material from the feeding means into said extrusion cylinder while said extrusion means is still actively extruding material from the extrusion cylinder, means operated in response to the position of the flow controlling means during opening of said flow controlling means for rendering said extrusion means inactive, said feeding means causing filling of said extrusion cylinder and extruding plastic material therefrom as a result of the pressure applied thereon during inactivity of said extrusion means for extrusion purposes, and means rendered active in response to the position of the flow controlling means during opening thereof and inactivity of said extrusion means for initiating operation of said flow controlling means to cut off the flow of material from the feeding means to the extrusion cylinder, and thereby produce complete automatic operation.



2,485,524

DEHYDROCHLORINATION OF CHLORETHYL POLYCHLOROBENZENES

Cestas H. Basdekis, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 19, 1946, Serial No. 663,614

3 Claims. (Cl. 260—650)

1. A process for the dehydrochlorination of a mixture comprising alpha and beta chlorethyl polychlorobenzenes which comprises mixing the alpha and beta chlorethyl polychlorbenzene mixture with a heated inert gas and passing the mixture over calcium sulfate at a temperature of at least 300° C.

2,485,525

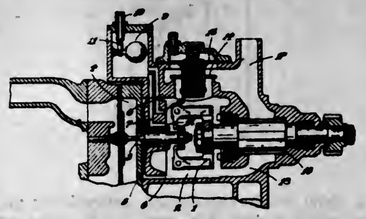
LIQUID-CONTROL AND DEAERATING DEVICE

Paul Whibley Bedale, Littleover, Derby, England, assignor to Rolls Royce Limited, Derby, England, a British Company

Application October 22, 1945, Serial No. 623,615

In Great Britain July 3, 1944

4 Claims. (Cl. 183—2.5)



2. In a liquid-control and de-aerating device, the combination of a supply chamber, an ante-chamber having a duct through which fuel passes from said ante-chamber to said supply chamber, a fuel inlet to said ante-chamber, means for controlling the supply of fuel from said ante-chamber to said supply chamber, a centrifugal governor in said ante-chamber operatively connected to said fuel controlling means, a float chamber having an outlet and having passages opening into and said ante-chamber, said passages being radially spaced in said ante-chamber from the rotational axis of said governor and from each other and radially spaced at a less distance from said axis than that of said fuel duct therefrom, a float-operated valve in said float-chamber controlling through said outlet the escape of air and vapour separated from said fuel by centrifugal action arising from the rotation of said governor together with means for maintaining said ante-chamber at a certain predetermined pressure greater than atmospheric pressure.

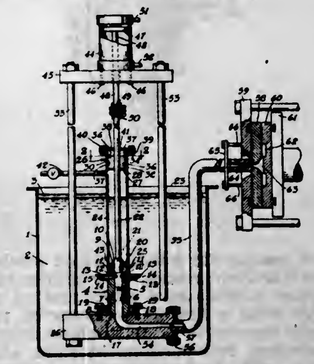
2,485,526

DIE CASTING APPARATUS

Foster C. Bennett, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application January 8, 1948, Serial No. 1,099

1 Claim. (Cl. 22—70)



A die casting apparatus adapted to make die castings by delivering shots of molten metal from a molten body thereof to a die comprising in combination a shot cylinder having a cylindrical bore axially thereof and adapted to be disposed in the molten body of metal, a piston adapted to be reciprocated longitudinally in the cylindrical bore, said shot cylinder having a port in the side wall thereof for the admission of molten metal to the bore below the piston when at the top of the cylinder, the upper end of said shot cylinder having a beveled surface sloping downwardly from the bore of the shot cylinder so as to form a sharp edge on the upper end thereof adjacent to the said bore, an inlet pipe on the outside of the port projecting outwardly from the cylinder for conveying molten metal from the molten body thereof to the said port, the outer end of said inlet pipe being cut obliquely with respect to the axis of the inlet pipe, a rod for actuating the said piston extending above the molten body of metal and having its lower end secured to the upper end of said piston, a shroud around the piston rod having its upper end extending above the body of molten metal and its lower end secured to the lower edge of the beveled portion of the said shot cylinder, said shroud having a port in the lower end of its side wall, a stuffing box on the upper end of the shroud adapted to form a seal for the rod, and tubular means having its bore communicating with the lower end of the bore of the shot cylinder adapted to convey molten metal from the shot cylinder to the die.

2,485,527

FORMING SEALING DEPOSITS IN WELLS

Paul H. Cardwell, Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application April 9, 1945, Serial No. 587,424

6 Claims. (Cl. 166—22)

1. In a method of forming a sealing deposit in an earth formation penetrated by the bore of a well, the steps which comprise mixing together two partially condensed phenolic-aldehydic resinous liquids just prior to introducing the mixture into the well, bore thereby to form a sealing mixture; introducing the sealing mixture so obtained into the well bore and allowing the mixture to further condense into a solid resinous product, one of the said partially condensed phenolic-aldehydic resinous liquids being formed by partially condensing cresylic acid and paraformaldehdye in the presence of 0.056 mole of sodium hydroxide per mole of cresylic acid the sodium hydroxide being dissolved in an equal weight of water, the reaction being continued until the paraformaldehyde dissolves, the ratio of the number of moles of HCHO derived from the paraformaldehyde to the number of moles of cresylic acid being from 2.25 to 4.5, followed by acidification to a pH value between 3.5 and 6.0, the other of the said partially condensed phenolic-aldehydic resinous liquids being formed by partially condensing phenol and formaldehyde in the proportion of 1.5 and 2 moles of formaldehyde per mole of phenol in the presence of 0.15 mole of sodium hydroxide per mole of phenol the sodium hydroxide being dissolved in an equal weight of water, the reaction being continued until upon acidification two liquid layers are formed; acidifying the resulting partially condensed reaction mass to a pH value between 3.5 and 6, whereby a system of two liquid layers forms on standing; separating the lower liquid layer from the upper layer; treating the lower layer by dissolving therein a polyhydroxybenzene selected from the group consisting of resorcinol and phloroglucinol in the amount of 0.75 to 2.0 moles per 1.11 moles of phenol.

2,485,528

COMPOSITION FOR DESCALING FERROUS METAL SURFACES

Paul H. Cardwell, Tulsa, Okla., and Grover E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application August 14, 1948, Serial No. 44,412

8 Claims. (Cl. 252—149)

1. A composition for descaling a ferrous metal surface comprising an aqueous solution containing from about 5 to 25 per cent of HCl, from about 0.1 to 1 per cent of an organic nitrogen base soluble in hydrochloric acid selected from the group consisting of the aromatic and heterocyclic nitrogen bases, and from about 0.1 to 2 per cent of a water-soluble thiocyanate.

2,485,529

COMPOSITION FOR REMOVING SCALE FROM FERROUS METAL SURFACES

Paul H. Cardwell, Tulsa, Okla., and Grover E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application August 14, 1948, Serial No. 44,413

12 Claims. (Cl. 252—149)

1. A composition for descaling a ferrous metal surface comprising an aqueous solution containing by weight from about 5 to 25 per cent of HCl, from about 0.002 to 1 per cent of a corrosion-modifying agent selected from the group consisting of urea, thiourea, diethylthiourea, diisopropylthiourea, dibutylthiourea, ethylenethiourea, sym.-di-o-tolylthiourea, sym.-di-p-tolylthiourea, and sym.-diphenylthiourea, and from 0.1 to 2.0 per cent of a water-soluble inorganic thiocyanate.

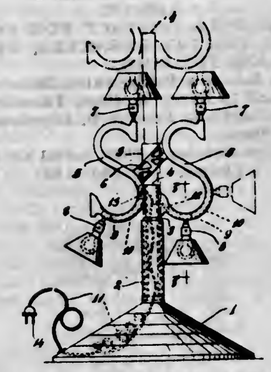
2,485,530

ELECTRIC LAMP

Evelyn Dore, Bronx, N. Y.

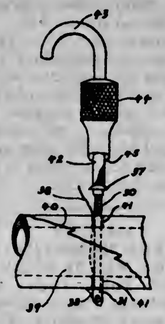
Application June 9, 1945, Serial No. 598,614

1 Claim. (Cl. 240—81)



In an electric floor and table lamp, the combination of a hollow, telescopically expansible center post having a hollow base at its lower end and a head at its upper end; with two curved T-slotted tubular members laterally extended from said head and carrying electric lamps at their top portions; and T-shaped members slidably engaging the slotted portions of said tubular members and carrying electric lamps which are connected to a source of current by means of coiled cables that are extended through said base, centerpost, head, and figures.

2,485,531
SURGICAL TOGGLE BOLT
William Dzus, West Islip, and George S. King, Bay Shore, N. Y.
Application January 13, 1948, Serial No. 1,958
2 Claims. (Cl. 128—92)



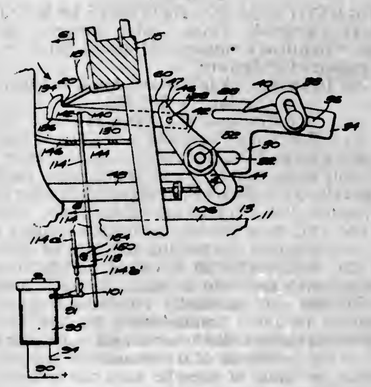
1. A toggle bolt for use in bone surgery comprising a stud having a longitudinally slotted portion at the leading end and a locking arm pivotly mounted in the slot, the pivotal mounting being a spaced distance from the base of the slot and at an intermediate portion of the locking arm so that the locking arm is shiftable between locked position extending substantially transversely of the stud with its two ends projecting beyond the sides of the stud and unlocked position extending substantially parallel to the stud with the major portion thereof contained within the slot, the end of the locking arm which is the trailing end when in unlocked position being provided with a laterally curved offset portion which projects laterally beyond the side of the stud in unlocked position to facilitate shifting of the arm to locked position.

2,485,532
NONSTICK ROLL CONTACT FOR CONTACT RELAYS, CIRCUIT BREAKERS, THERMOSTATS, AND THE LIKE
Chester W. Johnson, Bridgewater, Mass., assignor of one-half to Larry M. Hess, Taunton, Mass., and one-fourth to Everett D. Copeland, South Hanson, Mass.
Application October 1, 1948, Serial No. 52,364
2 Claims. (Cl. 200—166)



1. In a relay, circuit breaker, thermostat and the like, two smooth surfaced contact rolls having suitable wiring connections to a source of current, said two contact rolls being of substantially equal diameter and mounted upon their axes in parallelism for absolutely free rotation thereon, the said rolls being, therefore, both free of restraint against rotation upon their axes in either direction at all times, one of said rolls being mounted upon its axis only slightly higher than the axis of the other roll and slightly to one side thereof when said rolls are out of contact, with the upper roll at the limit of its non-contacting movement, so that when the higher of said rolls is moved down into contact with the lower roll in an arc in the normal operation of said relay or the like, it strikes the lower roll at one side thereof but above the axis thereof, and its imparts, as the result of each contact, a slight turning movement to said lower roll and itself receives a slight turning movement in the opposite direction, spring means acting upon the interruption of current to move the said upper roll in a non-contacting movement up and away from the said lower contact roll, and a spring support for the lower contact roll tending to move it in an arc toward the lower part of said upper contact roll, the said turning movement of both of said rolls also occurring in the act of separation of the said two contact rolls, whereby, when said contact rolls next contact, a circumferentially, slightly different, contact area is presented by both of said rolls, and whereby such presentation of different contact areas occurs upon all successive contacts in the normal operation of said relay or the like.

2,485,533
WARP-STOP MOTION
Samuel W. La Rocque, Pawtucket, R. I.
Application March 24, 1948, Serial No. 16,871
8 Claims. (Cl. 139—353)



8. In a loom having a frame having side walls, an oscillatable lay, means to reciprocate a shuttle across said lay and loom stopping means; in combination, a mechanical "side filling" stop motion having an oscillatable filing rod arm, and a knock-off lever abuttable by said arm on failure of filling on said lay to actuate the loom stopping means and an electric warp stop motion, comprising a magnetic switch, drop wire needles and an electric circuit actuated on dropping of a needle of the top of the knock-off lever and across the to actuate said switch; and a bar having an upwardly projecting hook at the front end thereof, having a flat rear surface, means to pivotally mount the rear end of said bar on the upper end of said knock-off lever and means connecting said switch to the front end of said bar of a length to raise said bar hook above the normal path path of the oscillating filling rod arm to cause said filling rod arm to abut said hook to tilt said knock-off lever to actuate said loom stopping means on the front center portion of the stroke of the lay.

2,485,534
METHOD OF MAKING SPAR ROOTS FOR HELICOPTER BLADES AND THE LIKE
Robert Mayne, Akron, and Harry L. Hosterman, Jr., Atwater, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application December 27, 1946, Serial No. 718,696
8 Claims. (Cl. 29—156.8)

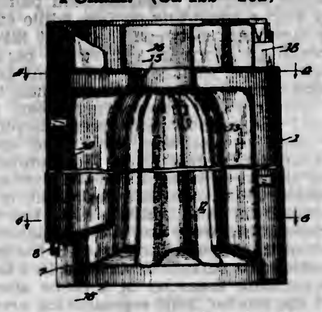


5. That method of making for a helicopter blade a hollow spar root having a longitudinal cylindrical and a tapered portion, said tapered portion being of substantially polygonal cross-section, including the steps of swaging a portion of a metal tube of suitable dimensions down to progressively smaller diameters, machining the swaged tube inside and outside to tapered wall thicknesses which, except for the cylindrical portion of the tube, define the wall thicknesses of the finished spar root, the wall thicknesses of the tapered portion decreasing from a maximum at the larger end to a minimum at the smaller end, applying transverse pressure against the round cross sections of the machined tapered portion of the tube, and forming the said cross-sections into a polygonal cross-section without changing the circumferences thereof, and cutting off the tube at both ends to its finished length.

2,485,535
CERIC SULFATE CATALYZED EMULSION POLYMERIZATION OF STYRENE
Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 12, 1946, Serial No. 715,647
2 Claims. (Cl. 260—93.5)

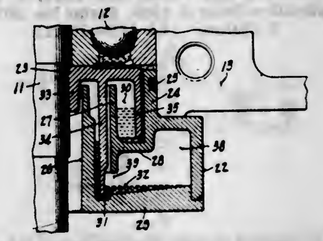
1. A process which comprises polymerizing monomeric styrene in aqueous emulsion at a temperature of from 60° C. to 100° C. in contact with from 0.01 to 0.4 part of ceric sulfate per 100 parts of styrene monomer, said ceric sulfate being the sole polymerization catalyst.

2,485,536
BOILER
Joseph D. Pierce, Chicago, and Charles E. Towner, Oak Lawn, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 23, 1944, Serial No. 564,844
1 Claim. (Cl. 122—161)



A substantially round boiler, having a smoke outlet and a combustion chamber, the said chamber having its outer limits defined by vertically fluted water jacketed walls converging at their upper portion to form the periphery of an aperture to provide for the escape of the hot products of combustion from the said chamber, the said boiler having a secondary heat transfer chamber communicating with the said aperture and having a floor comprising the top portion of the said water jacketed combustion chamber, the said heat transfer chamber having water jacketed side walls, the latter walls being extended integral portions of the walls of the said combustion chamber and being provided with a series of substantially vertical partitions integral with the said chamber floor and forming a tortuous path for the products of combustion and thereby providing a heat trap therefor.

2,485,537
LIQUID SEALED TRAP
Walter S. Rae, Jr., West Allis, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 16, 1945, Serial No. 594,019
4 Claims. (Cl. 286—9)

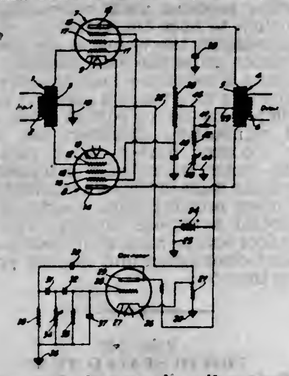


1. A seal for a liquid retainer housing having a rotary shaft extending through a bottom opening in said housing, said seal comprising a hollow structure for support by said housing, said structure being shaped to provide an annular air chamber and having a cover portion overlying said chamber, said cover portion having an annular channel for intercepting leakage through said opening, said structure also having an upstanding ring spaced from said cover portion, and a member rotatable with said shaft and having a circular baffle projectable between said ring and cover portion into sealing contact with liquid in said chamber, said member also having a second circular baffle for sealing contact with intercepted liquid in said channel and cooperating with said first named baffle to trap the air within said chamber.

2,485,538
ELECTRONIC MEANS PROVIDING TREMOLO FOR ELECTRICALLY OPERATED MUSICAL INSTRUMENTS
Paul H. Rowe, Los Angeles, Calif., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif., a corporation of California
Application May 26, 1947, Serial No. 750,414
6 Claims. (Cl. 250—27)

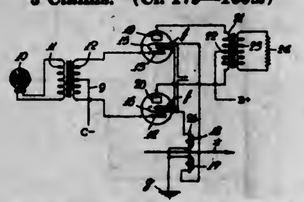
1. In a system for adding tremolo effects to audio frequency currents: an amplifier having an input circuit and an output circuit; a resistor common to both circuits; an oscillator having a control electrode and an anode; a circuit con-

necting said control electrode, anode, and resis-



tor; and means for varying the current flow through the resistor.

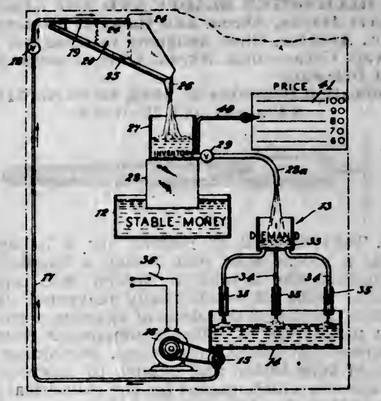
2,485,539
MAGNETIC SOUND RECORDER UTILIZING VARYING CATHODE CURRENTS
Shirley Irving Weiss, New York, N. Y.
Application June 6, 1945, Serial No. 597,780
3 Claims. (Cl. 179—100.2)



2. An electric circuit for recording audio signals upon a moving magnetic tape, said circuit comprising an input transformer, a microphone connected across the primary of said transformer whereby audio signals may be impressed thereacross, a push pull amplifier having a pair of vacuum tubes each having a plate, a grid and a cathode, the grids of said vacuum tubes being connected respectively to the ends of the secondary of said transformer, the secondary of said input transformer having a center tap means whereby a negative bias is applied through said secondary to the grids of said vacuum tubes normally to retain said tubes at cut off when no audio signal is impressed thereon, a pair of recording coils respectively connected in series with the cathodes of said vacuum tubes and with ground, and a load impedance associated with the plates of said vacuum tubes.

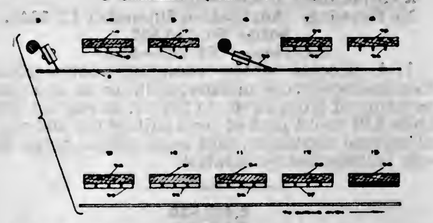
2,485,540
APPARATUS FOR ILLUSTRATING ECONOMIC LAWS
James D. Meaney, Oyster Bay, N. Y.
Application May 22, 1947, Serial No. 749,645
2 Claims. (Cl. 35—24)

1. A device for illustrating economic laws, comprising a tank containing liquid, a float therein, a liquid receptacle carried by said float, means for admitting liquid to and discharging liquid from such receptacle simultaneously to represent commodity supply and demand, a price scale at one side of the float and receptacle, a pointer carried by the latter for indicating on the scale vertical movements of the float and receptacle, a valve for controlling the rate of such admission and a reversible electric motor for opening and closing said valve, a switch therefor adapted to be



closed by the float to run the motor in one direction when the float rises above a predetermined height and a second switch therefor adapted to be closed by the float to run the motor in the opposite direction when the float falls below a predetermined height.

2,485,541
METHOD OF DECORATING SURFACE COVERINGS
Frank J. Schwarz, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 21, 1945, Serial No. 630,046
9 Claims. (Cl. 117—11)



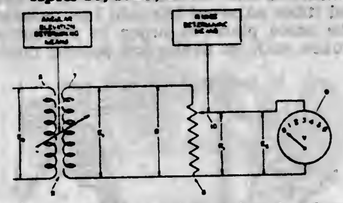
1. In a method of decorating flat surfaced coverings in simulation of tile with depressed mortar joints therebetween, the steps of applying paint to a flat surfaced foundation in limited areas thereof which are to represent mortar joints in the finished covering, engaging said paint while still wet with a spreading surface while effecting relative movement between the paint layer and the spreading surface in a direction parallel to the plane of the surface of the paint layer to spread the same and reduce the thickness thereof in the mortar joint representing areas, with a portion of the paint being spread beyond the mortar joint representing areas, and applying paint in tile representation to the foundation in sufficient thickness to lie above the mortar joint representing areas, said tile representing paint being applied in areas contiguous to the mortar joint representing areas and over the paint which has been spread beyond such areas in the leveling step to produce a surface decoration in which the tile representing areas lie in a plane above the plane of the mortar joint representing areas and the mortar joint representing areas are well defined.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

472,154. METHOD AND MEANS FOR DETERMINING ALTITUDE. John J. Slattery, Spring Lake, N. J., assignor to the United States of America as represented by the Secretary of War. Filed Jan. 12, 1943. Published Oct. 18, 1949. Class 235—61. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A device for solving a right triangle wherein a variable inductance coupling 6, 7 is adjustable from 0 to 90° to transform a constant voltage E_0 into voltage E_1 in accordance with an angle and wherein potentiometer 8 is adjusted in accordance with a hypotenuse to produce a voltage E_2 representing an unknown side of the triangle. By setting variable inductance 6, 7 in accordance with angular elevation, and by adjusting potentiometer 8 to represent range, voltage E_2 will be proportional to altitude. Meter 9 which measures voltage E_2 may be calibrated to read directly in terms of altitude.

475,947. COAXIAL LINE IMPEDANCE TRANSFORMER. Lloyd Thomas De Vore, Dayton, Ohio. Filed Feb. 15, 1943. Published Oct. 18, 1949. Class 178—44. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

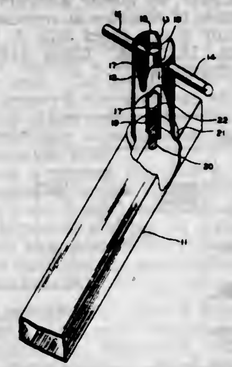


This disclosure relates to ultra high frequency transmission lines, and more particularly to the provision of a device to transmit power with a minimum of loss or reflection from an end of one coaxial cable to the beginning of another coaxial cable of a different characteristic impedance. Referring to the drawing an input coaxial line 8 is connected to an output coaxial line 9 of different characteristic impedance by means of a matching transformer 7. The transformer 7 is composed of inner conductor 11 and outer conductor 12 and is designed in such a manner that the rate of change of the logarithm of the inductance L with respect to any distance X from the beginning of the transformer section is a constant K, the radii of the conductors at any point X being characterized by the formula

$$\frac{b}{a}=\left(\frac{b_1}{a_1}\right)^{e^{KX}}$$

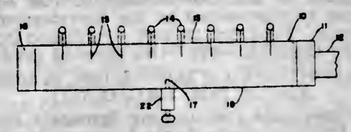
wherein a_1 and b_1 are the radii of the respective conductors at the beginning of the transformer and a and b are the radii of the conductors at any distance X from the beginning of said section.

580,016. TRANSMISSION SYSTEM. Lan Jen Chu, Brookline, and Lester C. Van Atta, Winchester, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Feb. 27, 1945. Published Oct. 18, 1949. Class 250—33.63. One sheet of drawings.



The device relates to an antenna structure adapted for operation with wave guides and more particularly to means for providing adjustable coupling without causing undesirable radiation. The antenna includes conductive cylinders 16 and 17 mounted on wave guide 11 and supporting dipole arms 14, 15 as shown. Slots 12 and 13 are provided for isolating the dipole arms. The coupling means comprises a probe 20 in threaded engagement with the inner surface of cylinder 17 and adapted for axial movement into the wave guide 11.

598,152. TRANSMISSION ELEMENT. Jack Steinberger, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed June 7, 1945. Published Oct. 18, 1949. Class 250—33.63. One sheet of drawings.

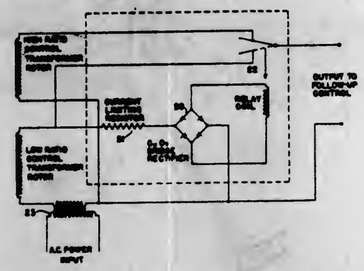


This device relates to means for reducing the standing wave ratio in scanning antennas, particularly of the linear array type. Referring to the drawing, a rectangular wave guide 10 is coupled at one end, by a suitable coupling device 11, to a feed transmission line 12 which may connect to transmitting and receiving apparatus. A plurality of aligned and spaced radiating elements 14 are mounted on a wall 13 of guide 10 and are excited by probes 15. Wave guide 10 may

be terminated in a shorting device, load, or absorbing medium 16. The means for reducing the standing wave ratio comprises a tuning screw or adjustable probe 17, which is in threaded engagement with wall 18 opposite wall 13 and which is preferably located at the approximate center of the array of radiators. Provision is made for adjusting the position of the probe 17 along the length of the guide and the depth of insertion therein.

In place of the probe or screw 17, an inductive or capacitive iris of conventional design may be employed to obtain the desired tuning. This iris may comprise a flat plate or sheet of metal projecting into the wave guide substantially perpendicular to the longitudinal axis of the guide and adjustable in position along said axis.

604,034. TWO-SPEED SELF-SYNCHRONOUS SYSTEM. Nathaniel B. Nichols, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed July 9, 1945. Published Oct. 18, 1949. Class 318—30. Two sheets of drawings.



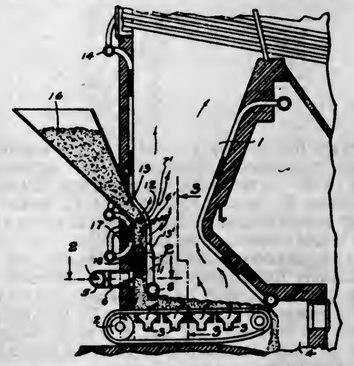
The illustrated arrangement is a relay system for transfer of control from a high ratio Selsyn transformer system to a low ratio Selsyn transformer system when the displacement between the control and controlled objects exceeds a predetermined amount. The control relay is energized from the low ratio control transformer through the bridge rectifier 26. Upon the displacement increasing to a predetermined value the voltage increases to the point where the relay attracts its armature to switch control from the high ratio transformer to the low ratio transformer.

The stick-off A. C. power input is supplied to prevent the system from zeroing or balancing at the 180° or false zero point.

622,637. OVERFEED IGNITION FOR TRAVELING GRATE STOKER. Everett P. Carman, Township of Baldwin, Allegheny County, Pa., assignor to the Government of the United States as represented by the Secretary of the Interior. Filed Oct. 16, 1945. Published Oct. 18, 1949. Class 122—378. One sheet of drawings.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

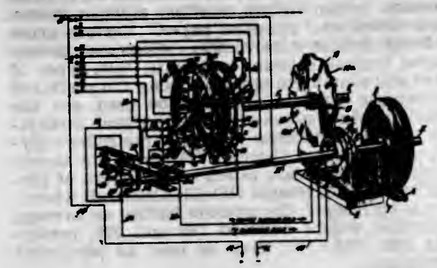
Discloses solid fuel-burning furnace 1 including a traveling grate stoker 2, means for introducing fuel into the furnace, a header 8 disposed above the traveling grate, a plurality of fluid-cooled tubes 10 upstanding from the header, said tubes including enlarged portions 11 at their juncture with the header which enlarged portions extend a substantial distance above the header, said enlarged portions of the tubes being substantially in contact with one another to form a substantially air-tight baffle and wall 7 throughout the extent of the said enlarged portions of the tubes, the tubes extending above their enlarged portions being of reduced diameter to form a substantially vertically grate above the said baffle formed thereby said tubes further extending upward through a bend 12 to a point 13 where they merge into the inner wall of the furnace, and upward and out through the wall of the furnace to a header 14, the said means for introducing fuel into the furnace including a fuel hopper 16 exteriorly of the furnace and a fuel passage 7' interiorly of the furnace and connecting with the hopper through an opening in the furnace wall, said fuel passage being formed between the water cooled wall 17 of the furnace and the said grate and baffle of fluid-cooled tubes, the sides of the header 8, and of the enlarged and reduced portions of the fluid-cooled tubes adjacent the said fuel passage being in the same plane in order to present smooth unbroken surfaces to the fuel passing downward-



ly through the fuel passage to assure smooth flow of fuel down the passage and to maintain substantial uniformity of the dimensions of the passage throughout its length and an air plenum 5 entering the furnace wall through vertical grate bars 6 near the bottom of the said fuel passage and opposite the baffle portion thereof, said plenum being arranged with relation to the baffle and grate portions of the passage that air entering the fuel passage from the plenum is largely directed upwardly into the incoming fuel in the passage, whereby an ignition zone 18 is established in the passage above the plenum and such countercurrent of air through such ignition zone provides for ignition in the incoming fuel and the products of combustion from the ignition and burning of fuel in the passage above the plenum passes from the fuel bed in the passage into the furnace through the grate portion of the passage above the baffle portion thereof.

635,795. AUTOMATIC SWITCHING MECHANISM. Donald Craig, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australia) Ltd., Sydney, New South Wales, Australia, a company of New South Wales, Australia. Filed Dec. 18, 1945. Published Oct. 18, 1949. Class 318—33. One sheet of drawings.

The arrangement has for its object the provision of a remotely actuated motor-operated control that can be rapidly brought to any one of a plurality of discrete control positions. It uses a reversible electric motor 4 driving a Geneva stop movement 14, with switching structure for automatically selecting the shorter direction to the desired position, and automatically reverses the motor energization for rapidly stopping the motor when the desired stop position is reached. The switching structure includes a plurality of spaced switch contacts I to X corresponding to the discrete control positions, and held in consecutive positions along a switching path, and a pair of elongated spaced contact bars 27, 28 each shaped to extend along said switching path for engaging a plurality of adjacent consecutive contacts. The bars are held together and connected to the driving structure for simultaneous shifting movement along said switching path with respect to said contacts, and are spaced from each other for disengaging one contact corresponding to the selected control member position, said bars being separately connected for automatically determining the direction of driv-



ing movement along the travel path in conformity with the engaged contact corresponding to the selected control position. An additional contactor element 25 is held in the space between the spaced contact bars for movement along with these bars to engage the contact disengaged by the bars and energize the braking elements for applying braking action, thereby preventing over-running of the high-speed driving structure. The contact element 25 projects somewhat to flex the selected switch contact (I to X) away from the bars and into engagement with a ring 16. A fine control cam 24 operated by the Geneva movement actuates a fine control switch to control the braking and assure the continued energization of the motor until the movement reaches the exactly desired position.

657,149. MAGNETIC RECORDING MEDIUM AND METHOD FOR MAKING SAME. Marvin D. Temple, Cleveland, Ohio, assignor to the United States of America as represented by the Secretary of War. Filed Mar. 26, 1946. Published Oct. 18, 1949. Class 29—199. One sheet of drawings.



The disclosure is directed to a reelable, thin, flexible magnetic recording tape or wire and to the method of making it.

In Fig. 1, 11 is a coil of thin core tape or wire of non-magnetic metal such as copper, bronze, or similar non-magnetic alloy. This tape or wire is first provided with an extremely thin coat of magnetic material by passing it through an electroplating bath 14 containing the salt of a magnetic metal such as cobalt, nickel, iron, molybdenum, tungsten, magnesium, or other metal having suitable magnetic properties. The plated tape or wire is then passed successively through the cleansing bath 16, the electroplating bath 18 containing the salt of a different magnetic metal to provide a second extremely thin coating of magnetic metal, a second cleansing bath 19, and through the heater 20 to a winding reel 21. In the heater 20 the coated wire is heated sufficiently to cause the diffusion of the different magnetic metals into each other, but not enough to produce a material strain of the crystal elements of the plated layers. The disclosure contemplates also the use of more than two layers of different magnetic metals as well as coating methods other than electroplating.

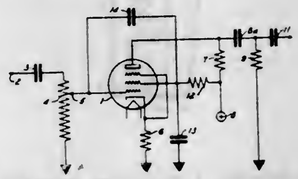
676,378. CHILLS. John G. Mezoff, Bay City, Mich. Filed June 13, 1946. Published Oct. 18, 1949. Class 22—174. One sheet of drawings.



The foundry chill described is a frusto-conical iron body 6 having a smooth cooling face 7 at the smaller end. Cut centrally in this face is a dovetailed groove 8 the width of which increases from one side of the chill to the other. The depth of the groove may also increase from the narrower to the wider end.

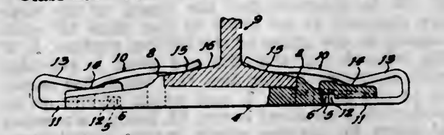
In making a casting, the chill is embedded in the mold material outside the casting cavity with the cooling face 7 flush with the cavity. After the metal is poured and as the casting cools, the metal which has entered the groove 8 contracts, holding the chill tightly against the casting. It may later be knocked off.

699,041. AMPLIFIER. Alan S. Nusbaum, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Sept. 24, 1946. Published Oct. 18, 1949. Class 179—171. One sheet of drawings.



The disclosure relates to a novel electron-tube amplifier which provides feedback from output to input of the amplifier by connecting a capacitor from the screen grid to the control grid. This gives uniform amplification over unusually wide range extending from 40 cycles to 3000 cycles per second.

705,621. TIE PLATE AND SPRING CLIP. Wilfred Sykes, Chicago, Ill., assignor to Inland Steel Company, a corporation of Delaware. Filed Oct. 25, 1946. Published Oct. 18, 1949. Class 238—349. One sheet of drawings.



This disclosure relates to a railroad tie plate and spring clip of improved construction.

The accompanying drawing is a side elevation, partly in section, of the tie plate and spring clip with a rail in place thereon. It shows a tie plate 4 provided with a longitudinal groove 5 in its bottom surface, said groove having associated with it a recess 6; the groove and recess preferably being proped so as to retain the strength of the full thickness of the tie plate. The tie plate is likewise provided with a plurality of conventional spike holes 7 and 7a, by which it is spiked to a tie in the conventional way, and has transverse shoulders 9 which substantially prevent lateral motion of a rail 8 resting on said tie plate.

The one-piece spring clip 10 is generally U-shaped, and consists of a base arm 11 which fits into the groove 5, the base arm being provided with a lug 12 which fits into the recess 6 to prevent slipping of the spring clip with respect to the tie plate; and an upper arm 13 which is so shaped as to provide a bearing point 14 which presses upon the upper surface of the tie plate 4 with a short leverage, and a second bearing point 15 which presses with a long leverage upon the upper surface of the base 16 of the rail 8.

719,813. RADIO CHASSIS AND CABINET. Felix C. Bianchi, Manoa, Pa., assignor to Radio Corporation of America, a corporation of Delaware. Filed Jan. 2, 1947. Published Oct. 18, 1949. Class 173—328. One sheet of drawings.



In the drawing, 1 designates generally a rectangular radio cabinet preferably constituted of insulating material and having a shallow body portion comprising a plane surface bottom, 2, and four sidewalls, including walls 3 and 4 to which the hinges, 5, and a latch, 6, for a cover, 7, are secured. A frame comprising a pair of inverted U-shape handles, 8, which are affixed by screws, 9, to the base, 2, serve as a removable support allowing access to both sides of the novel radio chassis, 10, for servicing.

The chassis, 10, comprises a single piece of sheet metal bent in the form of a flight of stairs having alternate treads and right angle risers. It will be observed that the treads of the steps are disposed at an angle of less than 45° with respect to the plane of the bottom surface, 2, of the cabinet and that the end tread is provided with an integral extension, 11x, which lies parallel to the said base, 2, and which carries on its underside a terminal board, 20, having a number of plugs, 21, thereon which engage complementary jacks, 22, on a pedestal, 23, within the cabinet.

50,433. THERMOSETTING MOLDING POWDER. Carl Henry Jepson, North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed Sept. 21, 1948. Published Oct. 18, 1949. Class 18—55. No drawing.

This application discloses a thermosetting, homogenous, free-flowing molding powder comprising, by weight, 20%–40% of a monomeric glycol dimethacrylate, 10%–40% of a fibrous filler, and the remainder a finely-divided mineral filler, and process of injection molding such powder in a conventional machine from a cylinder maintained at about room temperature into a die maintained at an elevated temperature. Included among the preferred fibrous fillers are wood flour, asbestos, cotton linters, purified alpha-cellulose, glass fibers, and chopped paper. Various types of finely-divided mineral fillers which may be employed include calcium carbonate, talc, types of clays and aluminum oxide. Among the preferred monomeric esters which may be used, are the dimethacrylate esters of ethylene glycol, diethylene glycol, triethylene glycol, tetraethylene glycol, and mixtures thereof. Further, the monomeric dimethacrylate esters of a mixture of glycols having the formula $HO(CH_2CH_2O)_nH$ wherein n is an integer, the mixture having an average molecular weight between 185 and 270, preferably 200 (200±15), may be used to particular advantage.

Small amounts of various linear polymers and copolymers may be incorporated in the molding powder composition as a partial replacement for the fibrous fillers. Suitable polymers which may be used include polymethyl methacrylate, polystyrene, polyvinyl acetate, and polyvinyl chloride.

The above molding powder is suited for injection, transfer, jet and compression molding, and may advantageously be used for producing molded articles such as tumblers, plates, toys, radio cabinets, various types of containers, electrical insulators, and the like. These molding powders show particular advantages over other thermosetting molding compounds such as phenol-formaldehyde, urea-formaldehyde, and melamine, in that they can be molded and are flowable under pressure without the application of heat, thus making them suitable for use in conventional injection molding machines. Further, the polymerizable component of the molding powder cures more rapidly under equivalent conditions than will the conventional thermosetting compositions, hence, permitting reduced molding cycles.

Example I

The following ingredients were mixed in a tumble mixer until a free-flowing homogenous powder was obtained:

	Parts
Polyethylene glycol 200 dimethacrylate	40.0
Colloidal calcium carbonate	21.5
Wood flour	38.5
Benzoyl peroxide (polymerization catalyst)	0.4

Polyethylene glycol 200 dimethacrylate designates the monomeric dimethacrylate esters of a mixture of glycols having the formula

$$HO(CH_2CH_2O)_nH$$

wherein n is an integer, the mixture having an average molecular weight of 200 (200±15).

The above free-flowing powder was injection molded in a horizontal 8-ounce Watson-Stillman injection molding machine under a pressure of 10,000 p. s. i. on a 30 second cycle. The cylinder was maintained at room temperature (25° C.) and the die was heated to 150° C. The resulting moldings, test bars size 5" x ½" x ⅛", were hard and uniformly compact.

Example V

The following ingredients were mixed in a tumble mixer until a homogenous free-flowing powder was obtained:

	Parts
Diethylene glycol dimethacryiate	20
Finely-divided talc	53
Wood flour	17
Titanium dioxide	10
Lauroyl peroxide (polymerization catalyst)	0.2

The above molding powder was injection molded in a horizontal 8-ounce Watson-Stillman injection molding machine at 6000 p. s. i. on a 30 second cycle. The cylinder was maintained at room temperature (28° C.), and the die was heated to 150° C. The resulting moldings, test bars size 5" x ½" x ⅛", were hard and uniformly compact.

Example VII

The following ingredients were mixed in a tumble mixer until a homogeneous free-flowing powder was obtained:

	Parts
Tetraethylene glycol dimethacrylate	40
Finely-divided calcium carbonate	21.5
Wood flour	38.5
Benzoyl peroxide	0.4

The above molding powder was molded in a horizontal 8-ounce Watson-Stillman injection molding machine at 10,000 p. s. i. on a 30 second cycle. The cylinder was maintained at room temperature (21° C.) and the die was heated to 150° C. The resulting moldings, dishes approximately 8" in diameter, were hard and compact.

DESIGNS

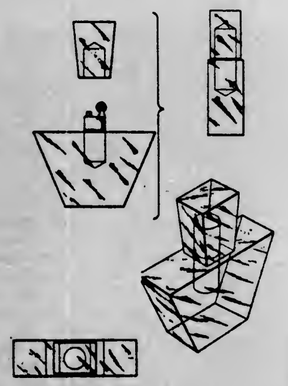
OCTOBER 18, 1949

155,564
DESIGN FOR A COMBINATION COSMETIC JAR OR SIMILAR ARTICLE
Dolletta M. Ackerman, Los Angeles, Calif.
Application September 23, 1946, Serial No. 133,504
Term of patent 14 years
(Cl. D58—25)



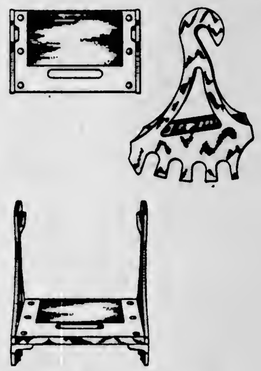
The ornamental design for a combination cosmetic jar or similar article, as shown.

155,565
DESIGN FOR A CIGARETTE LIGHTER
Kurt Adler, Scranton, Pa., and Harry H. Rosenthal, New York, N. Y.
Application July 22, 1947, Serial No. 140,456
Term of patent 7 years
(Cl. D48—27)



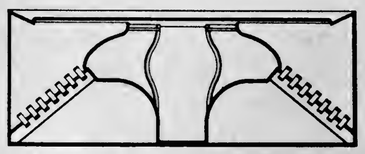
The ornamental design for a cigarette lighter, as shown.

155,566
DESIGN FOR A STEP ATTACHMENT FOR RUNG LADDERS
Karl A. Agricola, Saginaw, Mich., assignor to Beauldeal Inc., Saginaw, Mich., a corporation of Michigan
Application April 19, 1948, Serial No. 145,806
Term of patent 14 years
(Cl. D15—8)



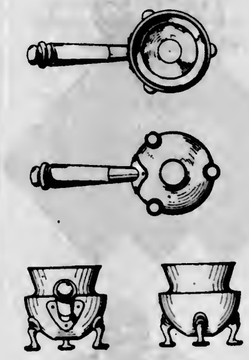
The ornamental design for a step attachment for rung ladders, as shown.

155,567
DESIGN FOR A BILLFOLD OR THE LIKE
Berel A. Arnold, Boston, Mass., assignor, by mesne assignments, to Debonair, Inc., Boston, Mass., a corporation of Massachusetts
Application January 22, 1947, Serial No. 136,309
Term of patent 7 years
(Cl. D87—3)



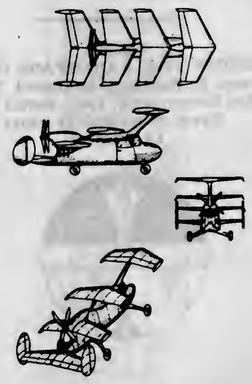
The ornamental design for a billfold or the like, as shown and described.

155,568
DESIGN FOR A CIGARETTE HOLDER
Angelo Arrighi, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application April 23, 1949, Serial No. 2,211
Term of patent 14 years
(Cl. D85—2)



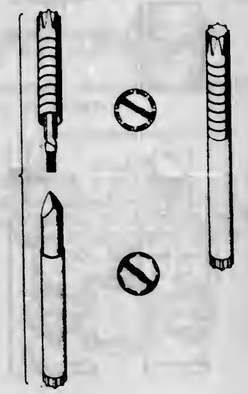
The ornamental design for a cigarette holder, as shown.

155,569
DESIGN FOR A COMBINED AUTOMOBILE AND AIRPLANE
Kenneth R. Bailey, West Dearborn, Mich.
Application June 24, 1947, Serial No. 139,888
Term of patent 14 years
(Cl. D71—1)



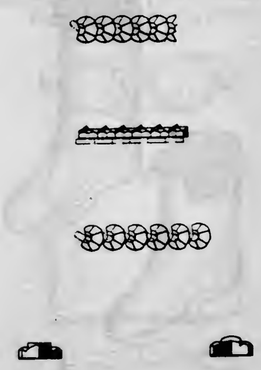
The ornamental design for a combined automobile and airplane, substantially as shown and described.

155,570
DESIGN FOR A COMBINATION LIPSTICK AND LIP BRUSH
Wade E. Ballard, Los Angeles, Calif., assignor to Blakely A. Wagner, Los Angeles, Calif.
Application November 9, 1948, Serial No. 149,540
Term of patent 7 years
(Cl. D86—10)



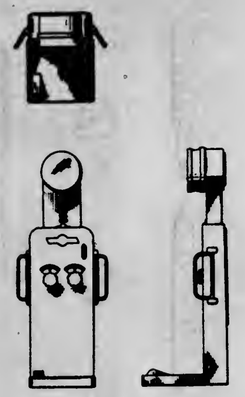
The ornamental design for a combination lipstick and lip brush, as shown and described.

155,571
DESIGN FOR AN EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Joseph M. Bender, Manhasset, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Original application March 2, 1949, Serial No. 1,174. Divided and this application May 25, 1949, Serial No. 2,881
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown.

155,572
DESIGN FOR A VIBRATING APPARATUS FOR TREATING HUMAN BODIES
Paul Berthelin, New York, N. Y.
Application August 21, 1948, Serial No. 148,237
Term of patent 14 years
(Cl. D62—1)



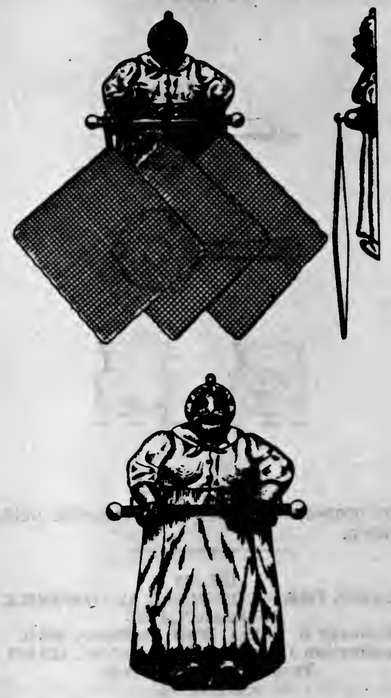
The ornamental design for a vibrating apparatus for treating human bodies, substantially as shown.

155,573
DESIGN FOR A RUBBER BOOT
George H. Bingham, Jr., Taneytown, Md., assignor to The Cambridge Rubber Company, Taneytown, Md., a corporation of Maryland
Application February 6, 1948, Serial No. 144,330
Term of patent 14 years
(Cl. D7—4)



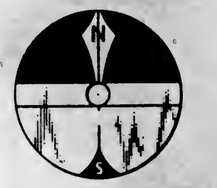
The ornamental design for a rubber boot, substantially as shown and described.

155,574
DESIGN FOR A COMBINED RACK AND POT HOLDERS OR SIMILAR ARTICLE
Samuel Brodsky, Brooklyn, N. Y.
Application October 29, 1947, Serial No. 142,187
Term of patent 14 years
(Cl. D44—24)



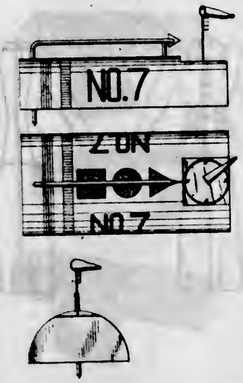
The ornamental design for a combined rack and pot holders or similar article, substantially as shown and described.

155,575
DESIGN FOR A COMPASS DIAL
Vernon E. Budlong, Brainerd, Minn.
Application December 5, 1947, Serial No. 142,961
Term of patent 14 years
(Cl. D52—1)



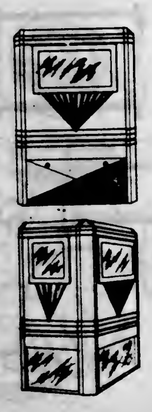
The ornamental design for a compass dial, as shown.

155,576
DESIGN FOR A GOLF TEE MARKER
Julius Gordon Burch, Borger, Tex.
Application September 15, 1947, Serial No. 141,393
Term of patent 14 years
(Cl. D34—5)



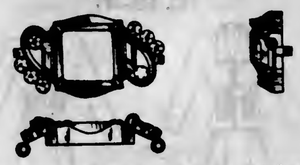
The ornamental design for a golf tee marker, as shown and described.

155,577
DESIGN FOR A COMBINED COOKING AND DISPLAY CASE
George H. Bushway, North Hampton, N. H.
Application April 22, 1948, Serial No. 145,894
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a combined cooking and display case, substantially as shown and described.

155,578
DESIGN FOR A WATCHCASE TOP
Andrew Chifari, New York, N. Y.
Application March 29, 1949, Serial No. 1,699
Term of patent 3½ years
(Cl. D42—8)



The ornamental design for a watchcase top, substantially as shown.

155,579
DESIGN FOR A WATCHCASE TOP
Andrew Chifari, New York, N. Y.
Application March 29, 1949, Serial No. 1,700
Term of patent 3½ years
(Cl. D42—8)

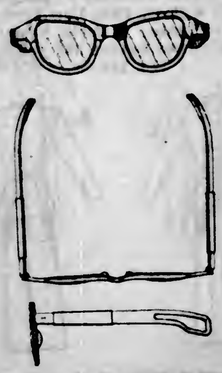






The ornamental design for a watchcase top, substantially as shown.

155,580
DESIGN FOR SUNGLASSES
Aaron Coen, Newark, N. J.
Application September 27, 1948, Serial No. 148,793
Term of patent 3½ years
(Cl. D57—1)



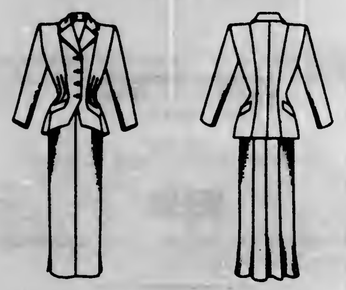
The ornamental design for sunglasses, as shown.

155,581
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,587
Term of patent 3½ years
(Cl. D3—4)



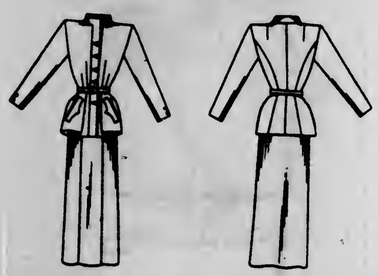
The ornamental design for a suit, substantially as shown.

155,582
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,588
Term of patent 3½ years
(Cl. D3—4)



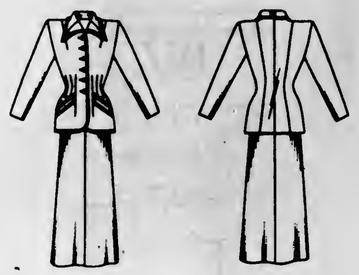
The ornamental design for a suit, substantially as shown.

155,583
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,590
Term of patent 3½ years
(Cl. D3—4)



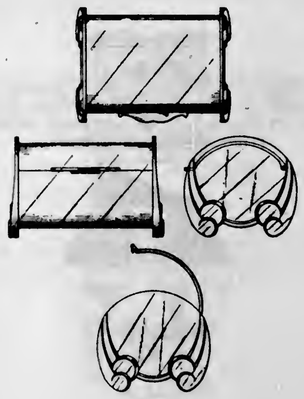
The ornamental design for a suit, substantially as shown.

155,584
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 16, 1948, Serial No. 149,659
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

155,585
DESIGN FOR A BOX
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Manufacturing Company, a corporation of Connecticut
Application January 10, 1947, Serial No. 136,045
Term of patent 7 years
(Cl. D58—13)



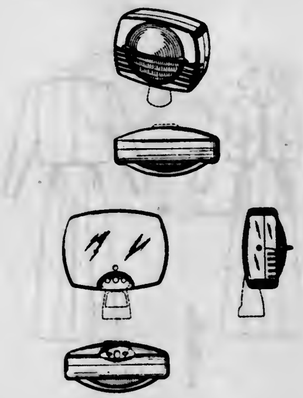
The ornamental design for a box, as shown and described.

155,586
DESIGN FOR A LAMP HEAD
Harold W. Darr, Minneapolis, Minn., assignor to Clifford E. Myre, Paynesville, Minn.
Application June 9, 1949, Serial No. 3,148
Term of patent 14 years
(Cl. D48—20)



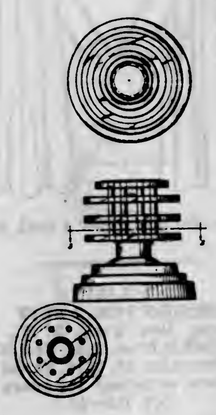
The ornamental design for a lamp head, as shown.

155,587
DESIGN FOR A COMBINATION DIRECTIONAL SIGNAL AND BACKUP LIGHT
Henry G. Dibelka, Chicago, Ill., assignor to Auto Lamp Manufacturing Co., Chicago, Ill., a limited partnership
Application April 1, 1949, Serial No. 1,758
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a combination directional signal and back-up light, substantially as shown and described.

155,588
DESIGN FOR A NIGHT LIGHT
Theodore R. Finke, Euclid, Ohio
Application February 4, 1949, Serial No. 677
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a night light, substantially as shown.

155,589
DESIGN FOR A COAT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,595
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

155,590
DESIGN FOR A COAT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York County, N. Y.
Application November 12, 1948, Serial No. 149,596
Term of patent 3½ years
(Cl. D3—4)



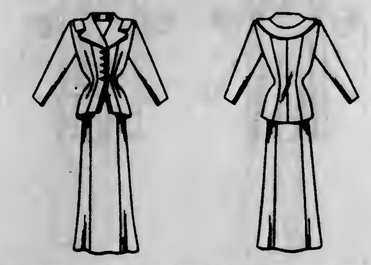
The ornamental design for a coat, substantially as shown.

155,591
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,597
Term of patent 3½ years
(Cl. D3—4)



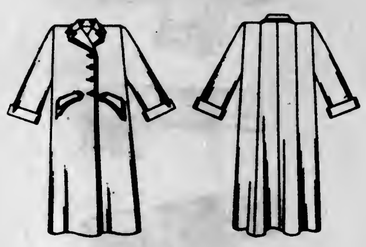
The ornamental design for a suit, substantially as shown.

155,592
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,598
Term of patent 3½ years
(Cl. D3—4)



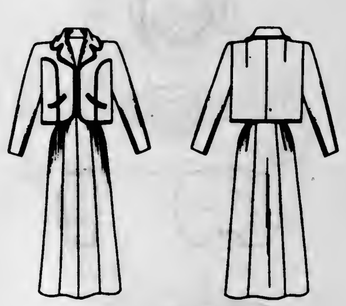
The ornamental design for a suit, substantially as shown.

155,593
DESIGN FOR A COAT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 12, 1948, Serial No. 149,599
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

155,594
DESIGN FOR A SUIT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application November 16, 1948, Serial No. 149,651
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

155,595
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application January 9, 1948, Serial No. 143,634
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, as shown.

155,596
DESIGN FOR A FRONT FOR A SPECTACLE FRAME
Joseph Gaspari, Rye, N. Y.
Application August 28, 1947, Serial No. 141,103
Term of patent 3½ years
(Cl. D57—1)



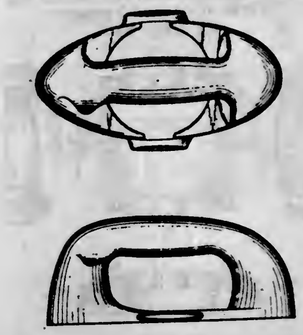
The ornamental design for a front for a spectacle frame, as shown.

155,597
DESIGN FOR A MARKING DEVICE FOR WINDOW SCREENS, STORM WINDOWS, OR THE LIKE
John E. Gaulke, Milwaukee, Wis.
Application January 19, 1948, Serial No. 143,883
Term of patent 7 years
(Cl. D64—10)



The ornamental design for a marking device for window screens, storm windows, or the like, substantially as shown.

155,598
DESIGN FOR AN ELECTRIC IRON HANDLE
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 20, 1948, Serial No. 145,858
Term of patent 14 years
(Cl. D49—6)



The ornamental design for an electric iron handle, substantially as shown.

155,599
DESIGN FOR A SUIT
Aaron Glimcher, Chelsea, Mass.
Application August 27, 1948, Serial No. 148,242
Term of patent 14 years
(Cl. D3—4)



The ornamental design for a suit, as shown.

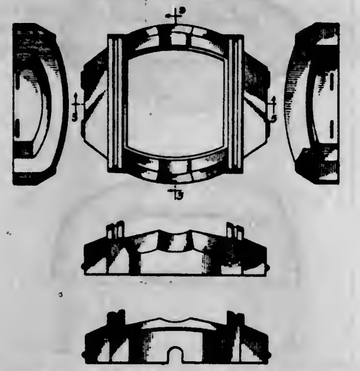
155,600
DESIGN FOR A COLLAR POINT PIN
Norman Albert Gordon, Oklahoma City, Okla.
Application May 11, 1948, Serial No. 146,298
Term of patent 3½ years
(Cl. D17—2)





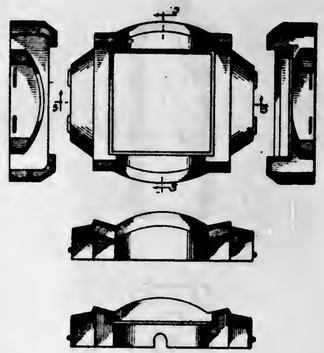
The ornamental design for a collar point pin, as shown.

155,601
DESIGN FOR A WATCH BEZEL
Anatol Grilikhes, New York, N. Y., assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 788
Term of patent 7 years
(Cl. D42—8)



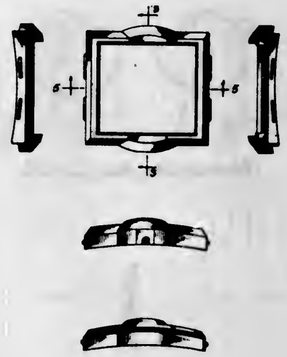
The ornamental design for a watch bezel, as shown.

155,602
DESIGN FOR A WATCH BEZEL
Anatol Grilikhes, New York, N. Y., assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 789
Term of patent 7 years
(Cl. D42—8)



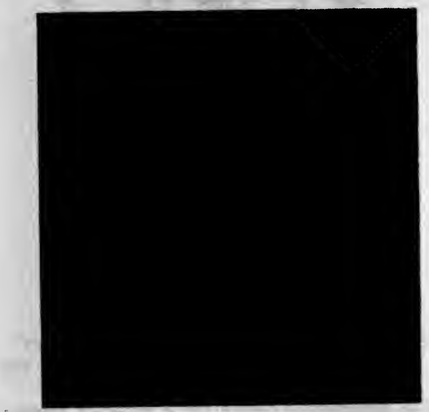
The ornamental design for a watch bezel, as shown.

155,603
DESIGN FOR A WATCH BEZEL
Anatol Grilikhes, New York, N. Y., assignor to Benrus Watch Company, Inc., New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 790
Term of patent 7 years
(Cl. D42—8)



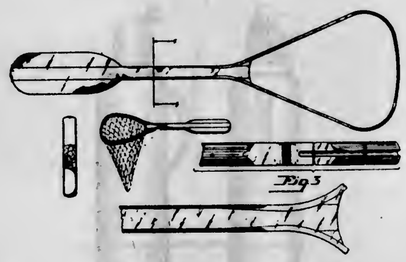
The ornamental design for a watch bezel, as shown.

155,604
DESIGN FOR A NAPKIN OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 23, 1948, Serial No. 149,269
Term of patent 14 years
(Cl. D59—2)



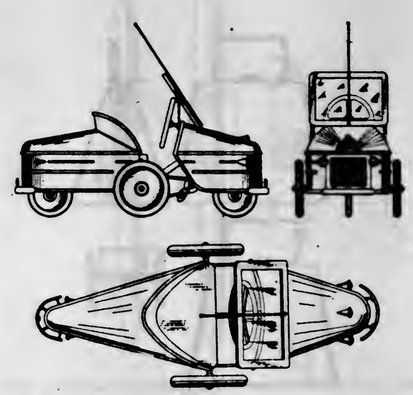
The ornamental design for a napkin or similar article, substantially as shown and described.

155,605
DESIGN FOR A COMBINED FRAME AND HANDLE FOR FISH NETS
James W. Harvey, Lakeville, Conn.
Application October 15, 1946, Serial No. 133,956
Term of patent 7 years
(Cl. D31—4)



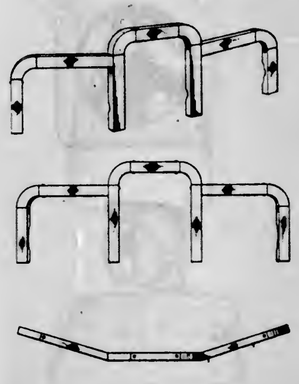
The ornamental design for a combined frame and handle for fish nets, substantially as shown and described.

155,606
DESIGN FOR A TOY AUTOMOBILE
John O. Heinze, Bessemer, Ala.
Application December 26, 1946, Serial No. 135,758
Term of patent 3½ years
(Cl. D34—15)



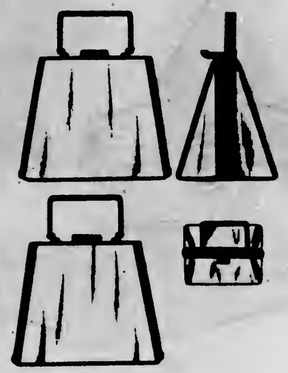
The ornamental design for a toy automobile, substantially as shown.

155,607
DESIGN FOR AN AUTOMOBILE GRILLE GUARD
Laurence C. Helms, Travis R. Helms, and George Tungett, Grand Rapids, Mich., assignors to Helms Industrial Development Company, Grand Rapids, Mich., a corporation of Michigan
Application September 29, 1947, Serial No. 141,628
Term of patent 14 years
(Cl. D14—6)



The ornamental design for an automobile grille guard, substantially as shown.

155,608
DESIGN FOR A HANDBAG
Hyman Hilf, New York, N. Y.
Application January 21, 1949, Serial No. 359
Term of patent 3½ years
(Cl. D67—3)



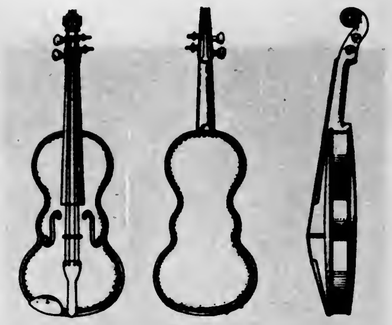
The ornamental design for a handbag, substantially as shown and described.

155,609
DESIGN FOR A PORTABLE SPEAKER
Bert R. Hooks, Columbia, S. C.
Application August 3, 1948, Serial No. 147,904
Term of patent 7 years
(Cl. D26—14)



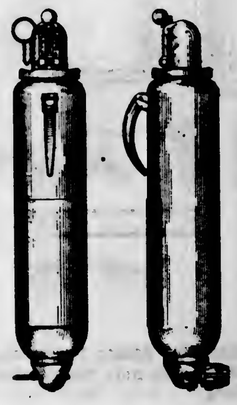
The ornamental design for a portable speaker, as shown.

155,610
DESIGN FOR A VIOLIN OR SIMILAR ARTICLE
Constantine A. Hountasis, Boston, Mass.
Application January 16, 1948, Serial No. 142,831
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a violin or similar article, substantially as shown.

155,611
DESIGN FOR A PORTABLE HAND FIRE EXTINGUISHER
Theodore W. Johnson and Harley G. Hastert, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
Application October 28, 1948, Serial No. 149,344
Term of patent 14 years
(Cl. D16—2)

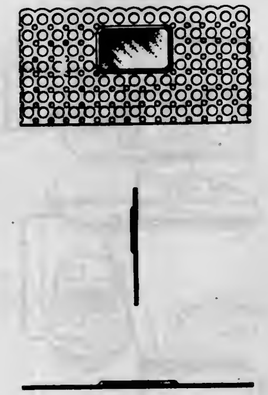


155,611—Continued



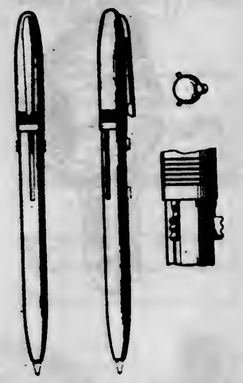
The ornamental design for a portable hand fire extinguisher, as shown.

155,612
DESIGN FOR A COMBINED DOOR GUARD AND PLAQUE
Lewis L. Kadlecek, Dallas, Tex.
Application May 14, 1946, Serial No. 129,705
Term of patent 14 years
(Cl. D13—1)



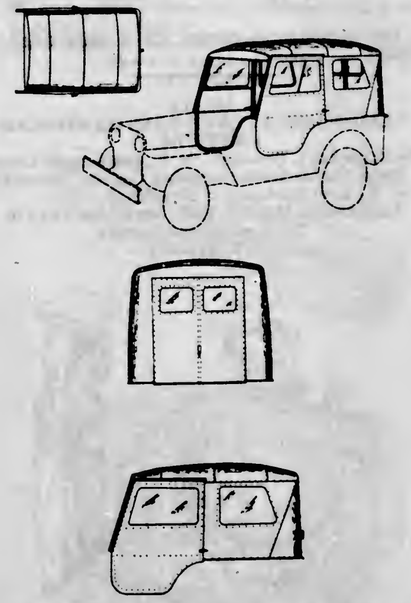
The ornamental design for a combined door guard and plaque, as shown.

155,613
DESIGN FOR A FOUNTAIN PEN
David Kahn, Englewood, N. J., assignor to David Kahn Inc., North Bergen Township, N. J., a corporation of New Jersey
Application May 3, 1949, Serial No. 2,415
Term of patent 14 years
(Cl. D74—17)



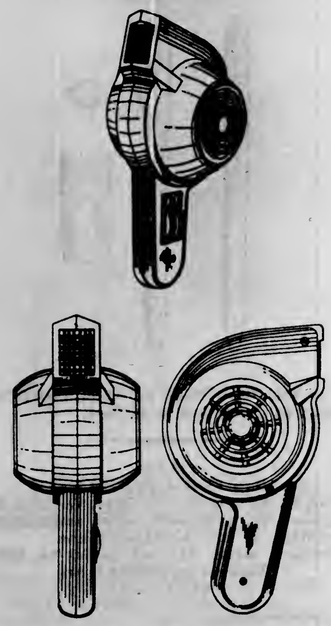
The ornamental design for a fountain pen, substantially as shown and described.

155,614
DESIGN FOR A VEHICLE TOP
Virgil G. Klein and Max T. Blue, Wichita, Kans., assignors, by direct and mesne assignments, to Blue Mfg. Co. Inc., Goddard, Kans.
Application March 31, 1947, Serial No. 138,056
Term of patent 14 years
(Cl. D14—3)



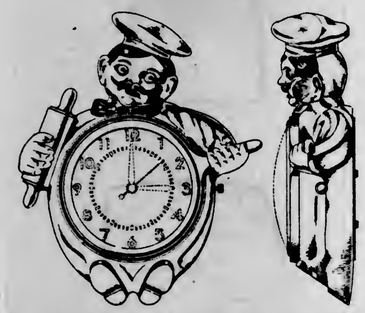
The ornamental design for a vehicle top, substantially as shown and described.

155,615
DESIGN FOR A HAIR DRIER
George Berrell Leather, Esher, England
Application January 18, 1949, Serial No. 310
In Great Britain September 23, 1948
Term of patent 14 years
(Cl. D86—10)



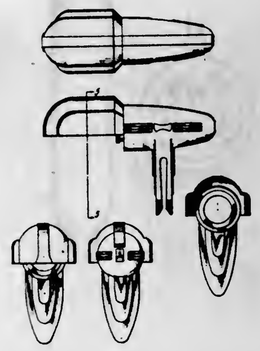
The ornamental design for a hair drier, as shown.

155,616
DESIGN FOR A CLOCK CASE OR SIMILAR ARTICLE
Abraham Levy, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York
Application May 19, 1948, Serial No. 146,470
Term of patent 7 years
(Cl. D42—7)



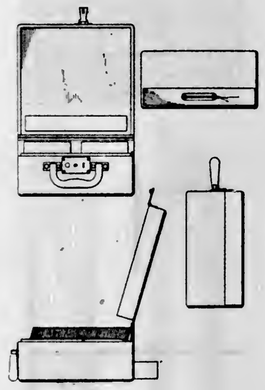
The ornamental design for a clock case or similar article, as shown and described.

155,617
DESIGN FOR AN ATTACHABLE READING LAMP
Joseph Marino, Brooklyn, N. Y., assignor to Eagle Electric Mfg. Co., Long Island City, N. Y., a corporation of New York
Application November 12, 1948, Serial No. 149,579
Term of patent 14 years
(Cl. D48—20)



The ornamental design for an attachable reading lamp, as shown.

155,618
DESIGN FOR A COMBINATION PORTABLE DISPLAY AND STORAGE CASE FOR RARE POSTAGE STAMPS
Carl P. Meyer, Cicero, Ill.
Application August 17, 1946, Serial No. 132,608
Term of patent 7 years
(Cl. D87—5)



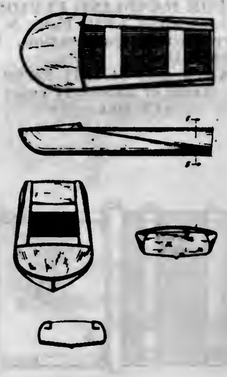
The ornamental design for a combination portable display and storage case for rare postage stamps, substantially as shown and described.

155,619
DESIGN FOR A COMBINATION JUVENILE SEAT AND BOX FOR TOYS OR SIMILAR ARTICLES
Morris Miller, Roxbury, Mass., assignor to Bancroft-Rellim Corp., Boston, Mass., a corporation of Massachusetts
Application July 13, 1948, Serial No. 147,513
Term of patent 14 years
(Cl. D15—8)



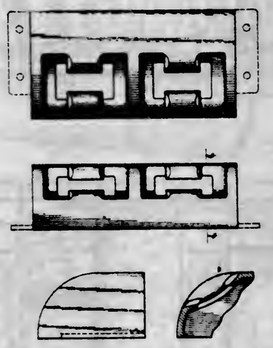
The ornamental design for a combination juvenile seat and box for toys or similar articles, substantially as shown and described.

155,620
DESIGN FOR A BOAT
Grover L. Mitchell, Manchester, Conn.
Application February 5, 1948, Serial No. 144,299
Term of patent 14 years
(Cl. D71—1)



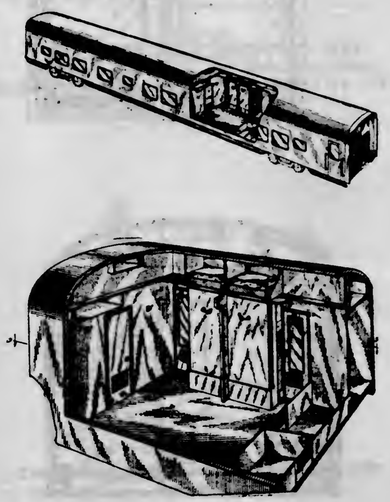
The ornamental design for a boat, substantially as shown.

155,621
DESIGN FOR A CASING FOR A BILLIARD SCORING DEVICE OR THE LIKE
Richard K. Morse, Fruitport, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application March 5, 1948, Serial No. 144,913
Term of patent 14 years
(Cl. D34—3)



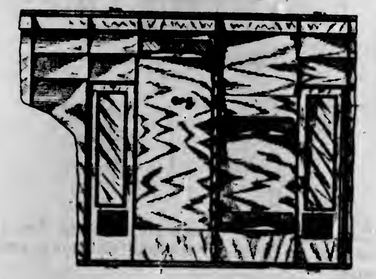
The ornamental design for a casing for a billiard scoring device or the like, as shown and described.

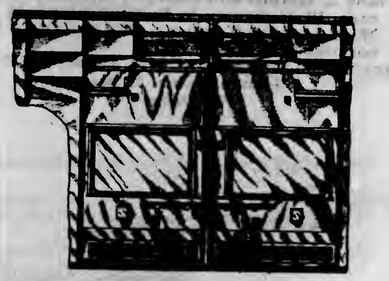
155,622
DESIGN FOR A RAILWAY CAR BODY
Frank L. Murphy and James E. Candlin, Jr., Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 28, 1947, Serial No. 142,866
Term of patent 14 years
(Cl. D66—1)



155,622—Continued



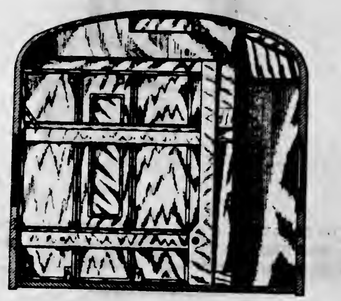






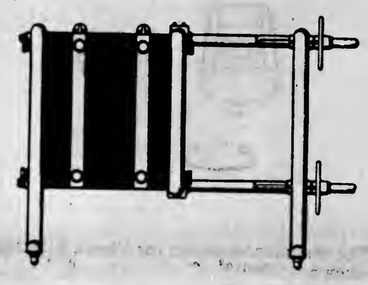
155,622—Continued



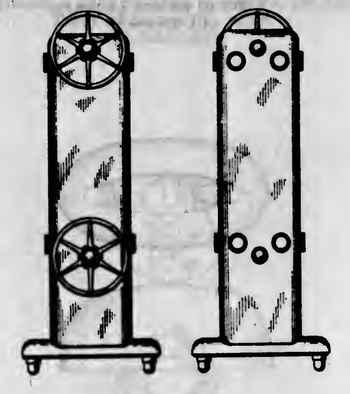


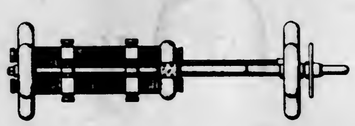
The ornamental design for a railway car body, substantially as shown and described.

155,623
DESIGN FOR A PLATE TYPE APPARATUS FOR HANDLING FLUIDS
Benjamin G. Newhall, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application February 24, 1947, Serial No. 137,102
Term of patent 14 years
(Cl. D81—21)



155,623—Continued





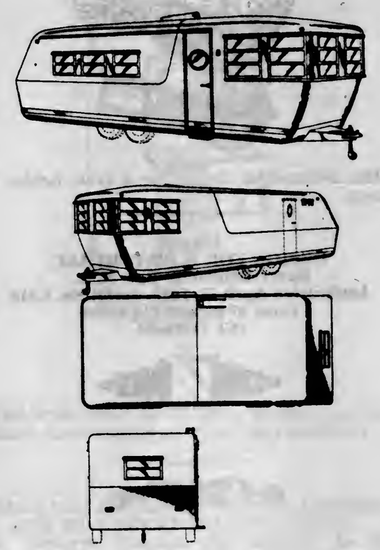
The ornamental design for a plate type apparatus for handling fluids, substantially as shown.

155,624
DESIGN FOR A SOFA
William C. Fahlmann, New York, N. Y.
Application July 15, 1948, Serial No. 147,578
Term of patent 3½ years
(Cl. D15—11)



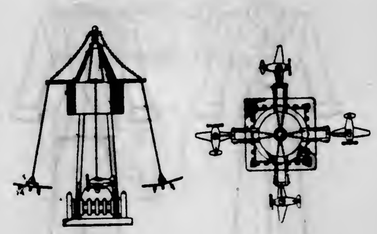
The ornamental design for a sofa, as shown.

155,625
DESIGN FOR A TRAILER
David L. Painter, Evanston, Ill., assignor to Phillip M. Manning, Rosalie Manning, Robert J. Reidy, and Marion Reidy, a partnership doing business as Continental Trailer Company, Chicago, Ill.
Application September 24, 1948, Serial No. 148,750
Term of patent 14 years
(Cl. D14—3)



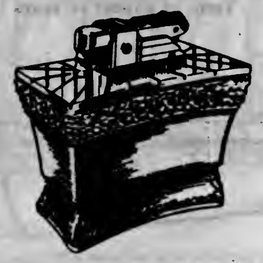
The ornamental design for a trailer, as shown and described.

155,626
DESIGN FOR AN AERO-SPIN TOY
Joseph E. Perreault, Northampton, Mass.
Application December 15, 1947, Serial No. 143,157
Term of patent 7 years
(Cl. D34—15)



The ornamental design for an aero-spin toy, as shown.

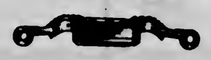
155,627
DESIGN FOR A TABLE LIGHTER
Paul Pouliot, Montreal, Quebec, Canada, assignor to Presto Lighters Limited, Montreal, Quebec, Canada
Application August 3, 1949, Serial No. 4,268
Term of patent 7 years
(Cl. D42—27)



The ornamental design for a table lighter, as shown.

155,628
DESIGN FOR A WATCHCASE
Harry Reinstein, Rye, N. Y.
Application April 12, 1949, Serial No. 1,919
Term of patent 3½ years
(Cl. D42—8)

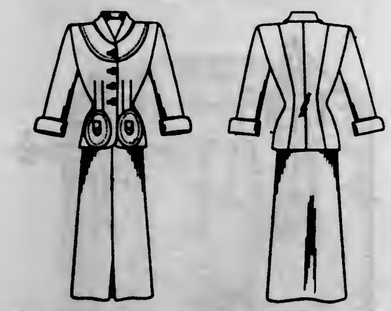






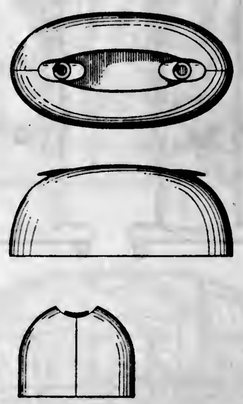
The ornamental design for a watchcase, substantially as shown and described.

155,629
DESIGN FOR A SUIT
George Reiter, New York, N. Y.
Application November 27, 1948, Serial No. 149,860
Term of patent 3½ years
(Cl. D3—4)



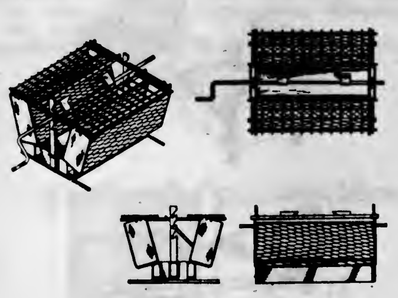
The ornamental design for a suit, substantially as shown.

155,630
DESIGN FOR AN ASH TRAY
John R. Robbins, Alleghany, Calif.
Application March 7, 1949, Serial No. 1,255
Term of patent 14 years
(Cl. D85—2)



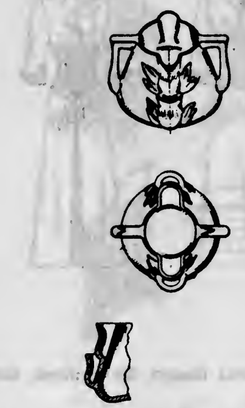
The ornamental design for an ash tray, substantially as shown.

155,631
DESIGN FOR A CHARCOAL GRILL
Henry E. Roedter, Cincinnati, Ohio
Application August 19, 1947, Serial No. 140,951
Term of patent 14 years
(Cl. 81—10)



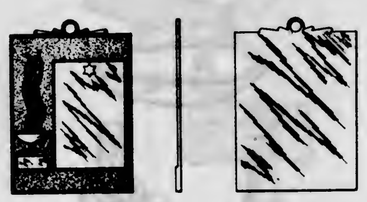
The ornamental design for a charcoal grill, as shown.

155,632
DESIGN FOR A PITCHER
Lawrence H. Russell, Saginaw, Mich.
Application July 28, 1947, Serial No. 140,560
Term of patent 3½ years
(Cl. D44—21)



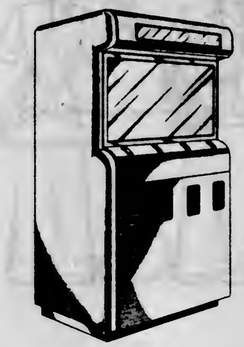
The ornamental design for a pitcher, as shown.

155,633
DESIGN FOR A CHARM OR SIMILAR ARTICLE
Frida Schneebaum, New York, N. Y.
Application September 1, 1948, Serial No. 148,411
Term of patent 3½ years
(Cl. D45—17)



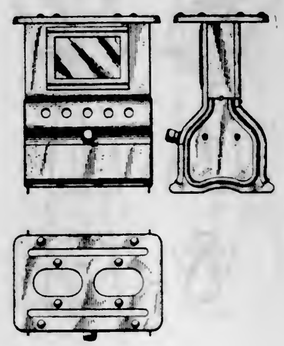
The ornamental design for a charm or similar article, as shown.

155,634
DESIGN FOR A VENDING MACHINE CABINET
Eldridge H. Smiley, Rosemead, and Frederick K. Storm, Jr., Los Angeles, Calif., assignors, by mesne assignments, to Keld-Krisp Apple Service, a corporation of California
Application August 11, 1947, Serial No. 140,820
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a vending machine cabinet, substantially as shown and described.

155,635
DESIGN FOR A COMBINATION OIL COOKING AND IMPLEMENT HEATING STOVE
Sam Springer, Chicago, Ill., assignor to 300 Chemical Co., Chicago, Ill., a corporation of Illinois
Application May 26, 1948, Serial No. 146,625
Term of patent 7 years
(Cl. D81—10)



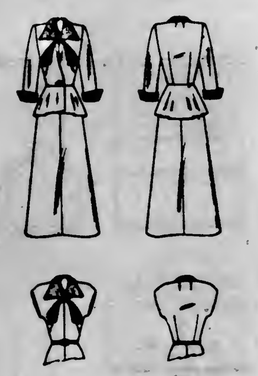
The ornamental design for a combination oil cooking and implement heating stove, substantially as shown and described.

155,636
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application January 31, 1949, Serial No. 596
Term of patent 3½ years
(Cl. D8—26)



The ornamental design for a dress, substantially as shown.

155,637
DESIGN FOR A DRESS ENSEMBLE
Harold H. Stahl, New York, N. Y.
Application January 31, 1949, Serial No. 594
Term of patent 3½ years
(Cl. D8—26)



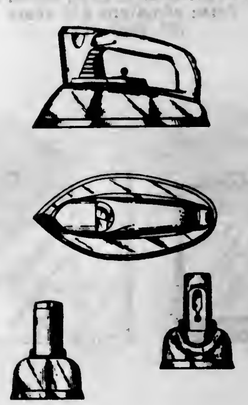
The ornamental design for a dress ensemble, substantially as shown.

155,638
DESIGN FOR A DRESS
Harold H. Stahl, New York, N. Y.
Application January 31, 1949, Serial No. 595
Term of patent 3½ years
(Cl. D8—26)



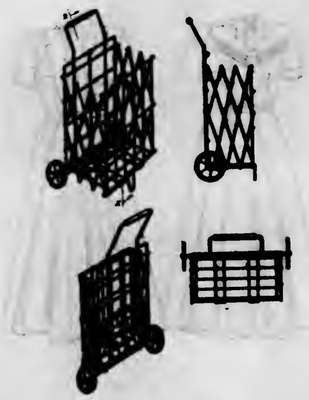
The ornamental design for a dress, substantially as shown.

155,639
DESIGN FOR AN ELECTRIC STEAM IRON OR THE LIKE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application February 1, 1949, Serial No. 605
Term of patent 14 years
(Cl. D49—6)



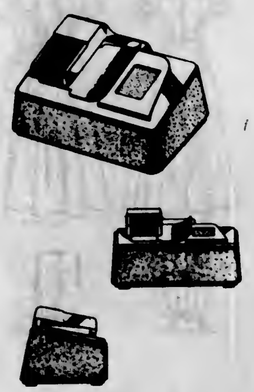
The ornamental design for an electric steam iron or the like, substantially as shown.

155,640
DESIGN FOR A COLLAPSIBLE UTILITY CART OR THE LIKE
Harry Stahl, New York, N. Y.
Application October 22, 1947, Serial No. 142,063
Term of patent 7 years
(Cl. D14—3)



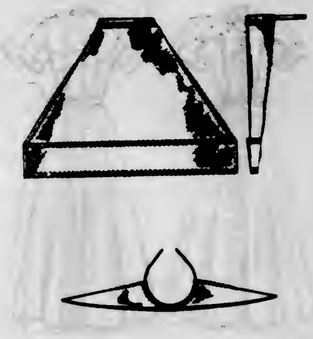
The ornamental design for a collapsible utility cart or the like, as shown.

155,641
DESIGN FOR AN ENVELOPE SEALER
Frederick K. Storm, Jr., Los Angeles, and Elmer H. Daniels, Pasadena, Calif., assignors to Haldon Manufacturing Co., Incorporated, Los Angeles, Calif., a corporation of California
Application October 4, 1947, Serial No. 141,757
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an envelope sealer, substantially as shown.

155,642
DESIGN FOR A BIB OR SIMILAR ARTICLE
Harry I. Strandhagen, Fort Lauderdale, Fla.
Application July 28, 1947, Serial No. 140,569
Term of patent 14 years
(Cl. D3—28)



The ornamental design for a bib or similar article, substantially as shown.

155,643
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,248
Term of patent 3½ years
(Cl. D3—26)



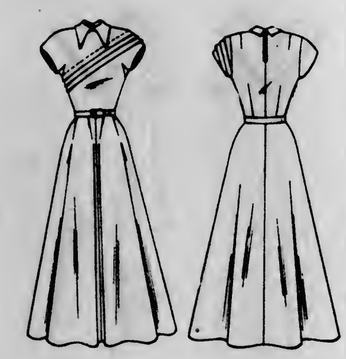
The ornamental design for a dress, substantially as shown.

155,644
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,250
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,645
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,251
Term of patent 3½ years
(Cl. D3—26)



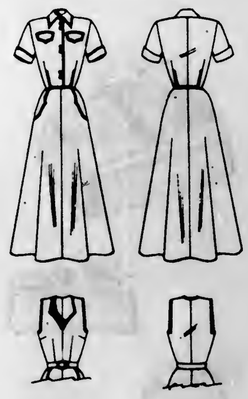
The ornamental design for a dress, substantially as shown.

155,646
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,252
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,647
DESIGN FOR A DRESS ENSEMBLE
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,254
Term of patent 3½ years
(Cl. D3—26)



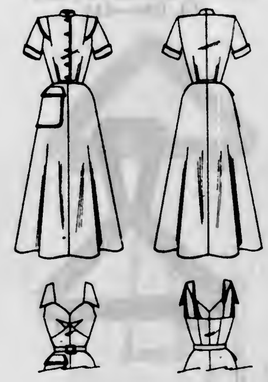
The ornamental design for a dress ensemble, substantially as shown.

155,648
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,256
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,649
DESIGN FOR A DRESS ENSEMBLE
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,258
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress ensemble, substantially as shown.

155,650
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,259
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,651
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application December 20, 1948, Serial No. 150,260
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,652
DESIGN FOR A DRESS
John F. Strassmer, New York, N. Y.
Application December 20, 1948, Serial No. 150,262
Term of patent 3½ years
(Cl. D8—26)



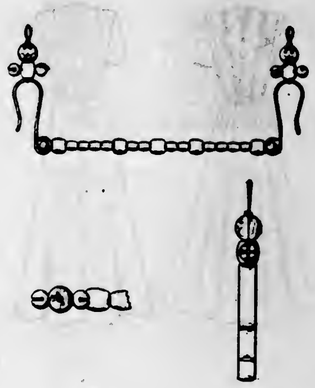
The ornamental design for a dress, substantially as shown.

155,653
DESIGN FOR A DRESS
John F. Strassmer, New York, N. Y.
Application December 20, 1948, Serial No. 150,262
Term of patent 3½ years
(Cl. D8—26)



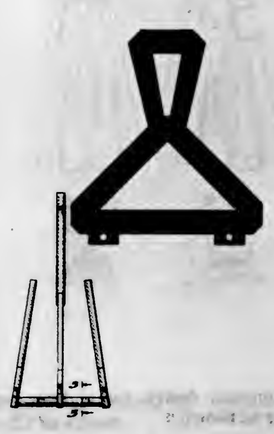
The ornamental design for a dress, substantially as shown.

155,654
DESIGN FOR A BLANKET CLIP AND HOLDER
Seymour Tharler, Leominster, Mass., assignor to Zudek Feldstein Co., Inc., New York, N. Y., a corporation of New York
Application November 15, 1947, Serial No. 142,550
Term of patent 14 years
(Cl. D17—6)



The ornamental design for a blanket clip and holder, as shown.

155,655
DESIGN FOR A NAPKIN HOLDER OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application March 27, 1948, Serial No. 145,397
Term of patent 14 years
(Cl. D44—24)



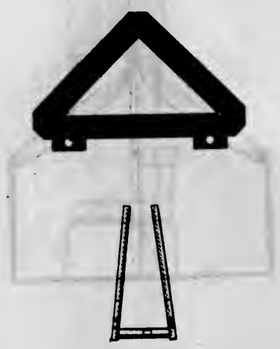
The ornamental design for a napkin holder or the like, substantially as shown.

155,655—Continued



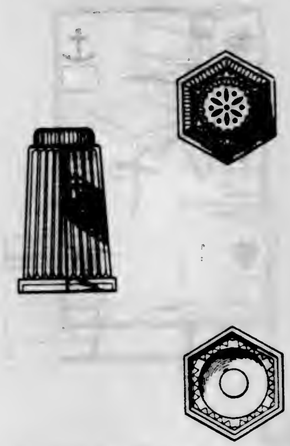
The ornamental design for a napkin holder or the like, substantially as shown and described.

155,656
DESIGN FOR A NAPKIN HOLDER OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application March 27, 1948, Serial No. 145,398
Term of patent 14 years
(Cl. D44—24)



The ornamental design for a napkin holder or the like, substantially as shown.

155,657
DESIGN FOR A CONDIMENT SHAKER
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application July 8, 1948, Serial No. 147,426
Term of patent 14 years
(Cl. D44—22)



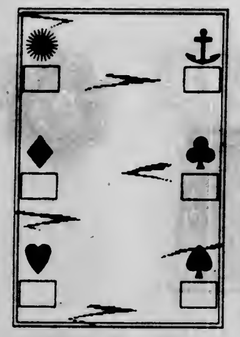
The ornamental design for a condiment shaker, substantially as shown.

155,658
DESIGN FOR A SEWING THIMBLE
Sarah Uribe, Los Angeles, Calif.
Application May 7, 1948, Serial No. 146,218
Term of patent 14 years
(Cl. D3—19)



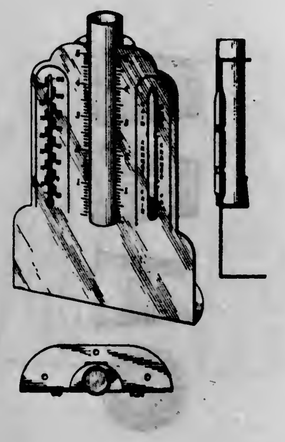
The ornamental design for a sewing thimble, as shown.

155,659
DESIGN FOR A GAME BOARD
Adolph A. Van Compernolle, Kansas City, Mo.
Application February 9, 1948, Serial No. 144,365
Term of patent 7 years
(Cl. D24—5)



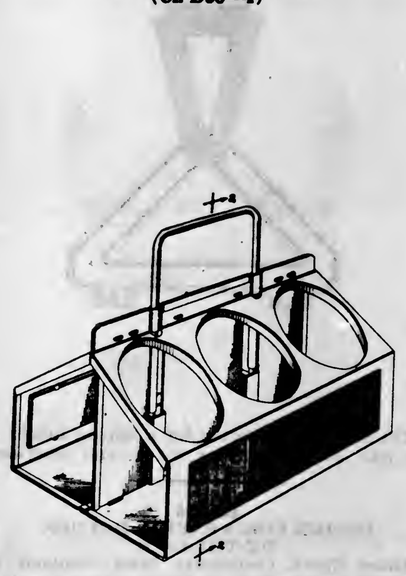
The ornamental design for a game board, as shown.

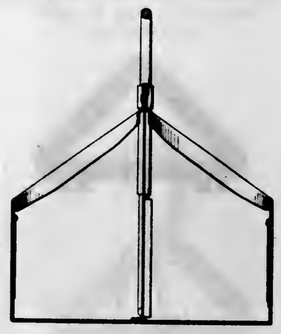
155,660
DESIGN FOR A WEATHER INFORMATION INDICATING APPARATUS
Frederick L. Vernon, Newton, Iowa
Application October 22, 1947, Serial No. 142,110
Term of patent 3½ years
(Cl. D52—7)



The ornamental design for a weather information indicating apparatus, substantially as shown.

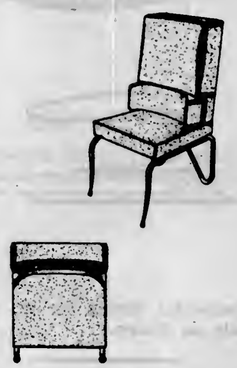
155,661
DESIGN FOR A BOTTLE CARRIER
Ernest T. Wahlbom, Rockford, Ill., assignor to Griggs-Wahlbom, Inc., Rockford, Ill., a corporation of Illinois
Application June 10, 1948, Serial No. 146,876
Term of patent 14 years
(Cl. D58—4)





The ornamental design for a bottle carrier, substantially as shown.

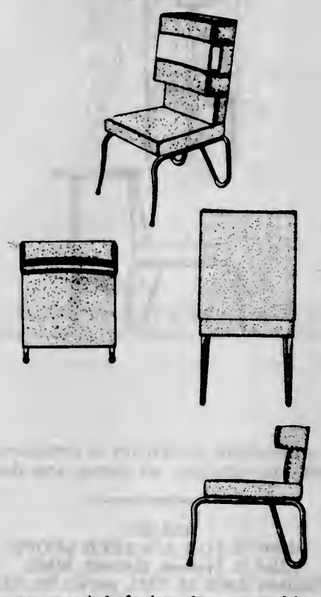
155,662
DESIGN FOR A COMBINED CHAIR AND VIBRATOR
John Werner, Chicago, and Albert H. Zeigler, Kenilworth, Ill., assignors to Aciform Corporation, Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 142,473
Term of patent 7 years
(Cl. D15—1)





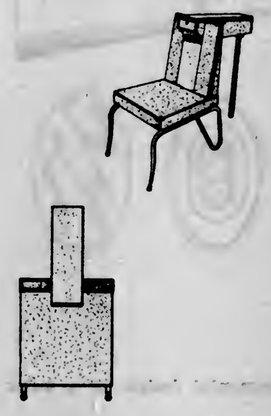
The ornamental design for a combined chair and vibrator, as shown and described.

155,663
DESIGN FOR A COMBINED CHAIR AND VIBRATOR
John Werner, Chicago, and Albert H. Zeigler, Kenilworth, Ill., assignors to Aciform Corporation, Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 142,474
Term of patent 7 years
(Cl. D15—1)



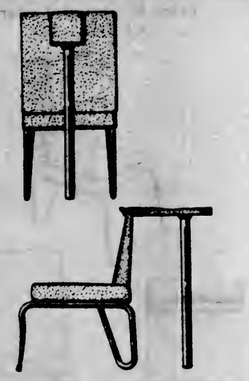
The ornamental design for a combined chair and vibrator, as shown and described.

155,664
DESIGN FOR A COMBINED CHAIR, ARMREST, AND VIBRATOR
John Werner, Chicago, and Albert H. Zeigler, Kenilworth, Ill., assignors to Aciform Corporation, Chicago, Ill., a corporation of Illinois
Application November 12, 1947, Serial No. 142,479
Term of patent 7 years
(Cl. D15—1)



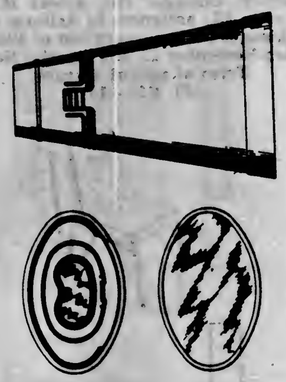
The ornamental design for a combined chair, armrest, and vibrator, as shown and described.

155,664—Continued



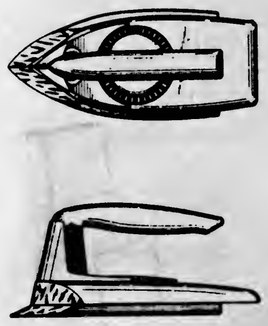
The ornamental design for a combined chair, arm rest, and vibrator, as shown and described.

155,665
DESIGN FOR A WATER SCOPE
Eliot B. Wilson, Detroit, Mich.
Application April 14, 1948, Serial No. 145,719
Term of patent 3½ years
(Cl. D57—1)



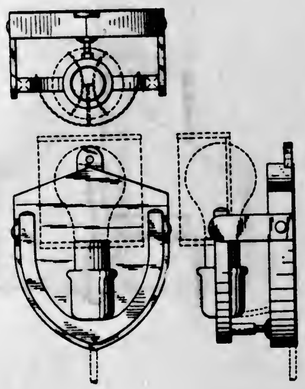
The ornamental design for a water scope, as shown.

155,666
DESIGN FOR AN ELECTRIC IRON
Herbert W. Wilson, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 20, 1948, Serial No. 145,859
Term of patent 14 years
(Cl. D48—6)



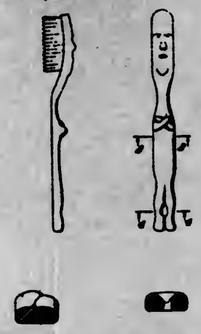
The ornamental design for an electric iron, substantially as shown.

155,667
DESIGN FOR A PIN-UP LAMP
Wilbur B. Young, Bayport, and Howard M. Jensen, Huntington, N. Y.
Application June 4, 1948, Serial No. 146,772
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a pin-up lamp, as shown and described.

155,668
DESIGN FOR A TOOTHBRUSH HANDLE
Paul Zandberg, Harold E. Feinstein, Theodore Sally, and Alfred Wachtin, Los Angeles, Calif.
Application December 8, 1947, Serial No. 143,026
Term of patent 3½ years
(Cl. D9—2)



The ornamental design for a toothbrush handle, substantially as shown and described.

155,669
DESIGN FOR A TOOTHBRUSH HANDLE
Paul Zandberg, Harold E. Feinstein, Theodore Sally, and Alfred Wachtin, Los Angeles, Calif.
Application December 8, 1947, Serial No. 143,027
Term of patent 3½ years
(Cl. D9—2)



The ornamental design for a toothbrush handle, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

AC Screen Process Company: *See*—
Allison, Thomas E.

Abbott Laboratories, North Chicago, Ill. Drug. Serial No. 545,929, Oct. 18. Class 6.

Adro Company, The: *See*—
Natoli, Bartholomew F.

"Afih" Aktiengesellschaft Zur Förderung von Handel & Industrie, Winterthur, Canton of Zurich, assignor to Motom G. m. b. H., Zurich, Switzerland. Vehicles. Serial No. 521,712, Oct. 18. Class 19.

Alexander Brothers: *See*—
Armour and Company.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Skis. Serial No. 562,236, Oct. 18. Class 22.

Allied Raw Materials Company, Inc., New York, N. Y. Petroleum and mineral waxes; lubricating oil; cylinder oil, etc. Serial No. 544,022, Oct. 18. Class 15.

Allison, Thomas E., doing business as AC Screen Process Company, Dallas, Tex. Decalcomanias. Serial No. 565,032, Oct. 18. Class 38.

Alto-Metal Products, Inc., Cincinnati, Ohio. Call letter plates for broadcasters, residence plates, name plates, etc. Serial No. 567,941, Oct. 18. Class 50.

American Brake Shoe Company, New York, N. Y. Metal welding rods. Serial No. 567,897, Oct. 18. Class 14.

American Folding Umbrella Co., Long Island City, N. Y. Umbrella frames. Serial No. 575,115, Oct. 18. Class 41.

American Rolling Mill Company, The, Middletown, Ohio, now by change of name Armco Steel Corporation. Corrugated ferrous metal, head-walls, arches, etc. Serial No. 527,732, Oct. 18. Class 12.

American Seating Company, Grand Rapids, Mich. Chairs and benches. Serial No. 508,640, Oct. 18. Class 32.

Anice, New Canaan, Conn. Women's wear. Serial No. 562,684, Oct. 18. Class 39.

Aracet, Inc.: *See*—
Race, A. T., Jr. Company.

Armand Company, The, Des Moines, Iowa. Hand and bath soap. Serial No. 555,478, Oct. 18. Class 4.

Armco Steel Corporation: *See*—
American Rolling Mill Company, The.

Armour and Company, doing business under the trade style Alexander Brothers, Chicago, Ill. Leather belting. Serial No. 543,398, Oct. 18. Class 35.

Armstrong Cork Company, Lancaster, Pa. Medicine dropper bottles, medicine droppers, and medicine feeding tubes and cups, etc. Serial No. 549,220, Oct. 18. Class 44.

Automatic Pump & Softener Corporation, Rockford, Ill. Base exchange water treatment apparatus. Serial No. 523,451, Oct. 18. Class 31.

B. & P. Research & Sales Co.: *See*—
Boyse, Robert E.

Baer, Leonard, doing business as Epilation-master Manufacturing Company, Newark, N. J. Electrical hair-removing machine. Serial No. 506,979, Oct. 18. Class 44.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Treated piece goods. Serial No. 471,112, Oct. 18. Class 42.

Beatrice Foods Co., Chicago, Ill. Fresh milk, fresh cream, fresh eggs, butter, and cheese. Serial No. 535,788, Oct. 18. Class 46.

Bertea, Alex, Pasadena, Calif. Hydraulic and pneumatic check valves. Serial No. 503,628, Oct. 18. Class 23.

Bertolli, Giovanni, Corp., Brooklyn, N. Y. Coffee and vinegar. Serial No. 564,854, Oct. 18. Class 46.

Blaw-Knox Company, Pittsburgh, Pa. Structural steel and metallic grating and flooring. Serial No. 544,672, Oct. 18. Class 12.

Boyse, Robert E., doing business under the name and style B. & P. Research & Sales Co., Saginaw, Mich. Toilet seats. Serial No. 561,877, Oct. 18. Class 13.

Breck, John H., Inc., Springfield, Mass. Hair soaps, hand soaps, and hand cleaners. Serial No. 549,704, Oct. 18. Class 4.

Breuer Electric Mfg. Co., Chicago, Ill. Liquid and paste wax, sealer. Serial No. 565,038, Oct. 18. Class 16.

Browning Manufacturing Company, Maysville, Ky. Power transmission belting. Serial No. 566,024, Oct. 18. Class 35.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Glue. Serial No. 565,609, Oct. 18. Class 5.

Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets and chains for watches; clasps, buckles and fasteners therefor, etc. Serial No. 534,598, Oct. 18. Class 28.

Burrus Mill & Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Metal electrode cartridges. Serial No. 540,519, Oct. 18. Class 21.

Butler Engineering Company: *See*—
Butler, Edgar M.

California Wire Cloth Corporation, The, Oakland, Calif. Metal bale ties. Serial No. 566,433, Oct. 18. Class 13.

California Wire Cloth Corporation, The, Oakland, Calif. Metal bale ties. Serial No. 566,745, Oct. 18. Class 13.

Carlton-Best Made Company, Philadelphia, Pa. Women's and children's wearing apparel. Serial No. 562,318, Oct. 18. Class 39.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial No. 566,746, Oct. 18. Class 13.

Chique Foundations Corp., New York, N. Y. Girdles. Serial No. 565,115, Oct. 18. Class 39.

Citrus By-Products Corporation, McAllen, Tex. Dairy and livestock feeds. Serial No. 561,184, Oct. 18. Class 46.

Club Aluminum Products Company, Chicago, Ill. Cast aluminum cooking utensils. Serial No. 537,989, Oct. 18. Class 50.

Consolidated Royal Chemical Corporation, Chicago, Ill. Hair oil, permanent wave oil, lemon shampoo, etc. Serial No. 543,891, Oct. 18. Class 6.

Continental Paint & Varnish Co., Chicago, Ill. Paint in liquid and paste form, paint enamel, and screen enamel. Serial No. 539,275, Oct. 18. Class 16.

Corn Products Refining Company, New York, N. Y. Starch. Serial No. 565,416, Oct. 18. Class 6.

Creomulsion Company, Atlanta, Ga. Laxative medicine. Serial No. 554,955, Oct. 18. Class 6.

Cronstroms Heating and Sheet Metal Works, Inc., Minneapolis, Minn. Office equipment and supplies. Serial No. 555,830, Oct. 18. Class 32.

Crookes Laboratories, Inc., New York, N. Y. Nasal decongestant. Serial No. 569,354, Oct. 18. Class 6.

Crowther, John, & Sons (Milnsbridge) Limited, Huddersfield, England. Men's and boys' suits, jackets, vests, etc. Serial No. 543,692, Oct. 18. Class 39.

Cummins Engine Company, Inc., Columbus, Ind. Internal combustion engines and parts thereof. Serial No. 544,256, Oct. 18. Class 23.

Dabby Hosiery Co., New York, N. Y. Women's hosiery. Serial No. 562,545, Oct. 18. Class 39.

Dayton Company, The, Minneapolis, Minn. Men's suits and overcoats. Serial Nos. 542,101–2, Oct. 18. Class 39.

Deister Concentrator Company, The, Fort Wayne, Ind. Vibrating screens. Serial No. 560,324, Oct. 18. Class 23.

Despatch Oven Company, Minneapolis, Minn. Baking ovens and drying ovens. Serial No. 567,454, Oct. 18. Class 34.

Detroit Yacht Club, Detroit, Mich. Periodicals. Serial No. 564,023, Oct. 18. Class 38.

Diamond Alkali Company, Cleveland, Ohio. Precipitated calcium carbonate. Serial No. 561,898, Oct. 18. Class 6.

Dickson Mfg. Co., Providence, R. I. Jewelry for personal wear, arm bands, fobs, etc. Serial No. 550,900, Oct. 18. Class 28.

Dorward & Sons Co., San Francisco, Calif. Fast kettling pure linseed varnish oil. Serial No. 555,164, Oct. 18. Class 16.

Eagle Foundry Company, Belleville, Ill. Gas ranges, coal heaters, gas heaters, etc. Serial No. 567,858, Oct. 18. Class 34.

Ednalite Optical Company, Inc., The, New York, N. Y. Optical and photographic filters, lenses and magnifying glasses. Serial No. 551,373, Oct. 18. Class 26.

Elmo, Inc., Philadelphia, Pa. Facial creams. Serial No. 537,028, Oct. 18. Class 6.

Empire Petroleum Company, Denver, Colo. Asphalt primer, asphalt coating, asphalt fibre coating, all in the nature of a paint. Serial No. 532,922, Oct. 18. Class 16.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. Serial No. 544,635, Oct. 18. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing line. Serial No. 544,636, Oct. 18. Class 22.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial fish bait. Serial No. 544,637, Oct. 18. Class 22.

Epilationmaster Manufacturing Company: *See*—
Baer, Leonard.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Eutectic Welding Alloys Corporation, New York, N. Y. Metal electrodes. Serial No. 566,513, Oct. 18. Class 14.

Eutectic Welding Alloys Corporation, New York, N. Y. Aluminum gas welding rods. Serial No. 568,302, Oct. 18. Class 14.

Eutectic Welding Alloys Corporation, New York, N. Y. Metal alloys. Serial No. 568,303, Oct. 18. Class 14.

Farmingdale N. J. Cooperative Egg Producers Ass'n, Inc., Lakewood, N. J. Fresh eggs. Serial No. 555,400, Oct. 18. Class 46.

Farr Company, Los Angeles, Calif. Crimped screen air filters. Serial No. 527,963, Oct. 18. Class 31.

Fawcett Publications, Inc., Greenwich, Conn. Monthly publications. Serial No. 562,034, Oct. 18. Class 38.

Flevo Watch Corporation, Whitestone, N. Y. Watches. Serial No. 566,247, Oct. 18. Class 27.

Flour Mills of America, Inc., Kansas City, Mo., doing business as Great Bend Milling Company, Great Bend, Kans. Wheat flour. Serial No. 564,325, Oct. 18. Class 46.

Folsom, H. & D., Arms Co. Inc., The, New York, N. Y. Fish hooks and leaders. Serial No. 548,737, Oct. 18. Class 22.

Foster and Kleiser Company, San Francisco, Calif. Billboard posters. Serial No. 520,551, Oct. 18. Class 38.

French, Ehrlner & Urner Manufacturing Co., Boston, Mass. Men's shoes. Serial No. 557,516, Oct. 18. Class 39.

Friedstrass Company, The, New York, N. Y. Sash cord, clothesline, and twines. Serial No. 575,138, Oct. 18. Class 7.

Fuller Brush Company, The, Hartford, Conn. Floor polish. Serial No. 548,948, Oct. 18. Class 16.

Fuller Brush Company, The, Hartford, Conn. Hair brushes. Serial No. 548,949, Oct. 18. Class 29.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tarpaulins and canvas covers. Serial No. 523,258, Oct. 18. Class 50.

Gelef, J. L., & Son, Inc., New York, N. Y. Toy pistols and guns; darts; dice cups, etc. Serial No. 513,404, Oct. 18. Class 22.

Gits Molding Corporation, Chicago, Ill. Pocket knives, razor knives, and spoons. Serial No. 522,529, Oct. 18. Class 23.

Glover, H. Clay, Co., Inc., New York, N. Y. Mange medicines, antiseptic medicated ointment, etc. Serial No. 488,526, Oct. 18. Class 6.

Great American Tea Company, The, New York, N. Y. Toothbrushes. Serial No. 550,091, Oct. 18. Class 29.

Great Bend Milling Company: *See*—
Flour Mills of America, Inc.

Green's Fuel, Inc., Sarasota, Fla. Liquefied petroleum gas burning space heaters, liquefied petroleum gas burning water heaters, etc. Serial No. 568,017, Oct. 18. Class 34.

Grove, William R., Laurel, Fla. Synthetic rubber sheeting. Serial No. 562,260, Oct. 18. Class 50.

Guerlain, Inc., New York, N. Y. Perfumes, toilet water, cologne, etc. Serial No. 569,320, Oct. 18. Class 6.

Hammill & Gillespie, Inc., New York, N. Y. Paris white. Serial No. 550,806, Oct. 18. Class 16.

Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. Serial No. 539,875, Oct. 18. Class 13.

Harris, Arthur O., Buffalo, N. Y. Publication. Serial No. 564,725, Oct. 18. Class 38.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 556,336, Oct. 18. Class 39.

Hobbs Manufacturing Company, Worcester, Mass. Lock washers. Serial No. 565,338, Oct. 18. Class 13.

Hodell Chain Company, The, Cleveland, Ohio. Wire chains, tractor chains, tire chains, etc. Serial No. 560,269, Oct. 18. Class 13.

Holloway, M. J., & Co., Chicago, Ill. Candy. Serial No. 564,569, Oct. 18. Class 46.

Horlicks Corporation, Racine, Wis. Malted milk. Serial No. 519,753, Oct. 18. Class 46.

Houghland Packing Co., Inc., The, Franklin, Ind. Canned vegetables, canned tomato juice, and tomato catsup. Serial No. 533,896, Oct. 18. Class 46.

Hurlbut Paper Company, South Lee, Mass. Writing and printing paper. Serial No. 543,355, Oct. 18. Class 37.

Hygrade Food Products Corporation, New York, N. Y. Cheese. Serial No. 564,126, Oct. 18. Class 46.

Icecrafter, Inc., Blue Island, Ill. Carbonating and/or oxygenating beverages. Serial No. 556,098, Oct. 18. Class 23.

Imperial Chemical Industries, Limited, Slouth, England. Blasting tubes and charges therefor. Serial No. 577,121, Oct. 18. Class 9.

Imperial Publishers, Howells, Nebr. Printed birth announcements. Serial No. 556,099, Oct. 18. Class 38.

Inman Brush Co., Highland Park, Ill. Paint brushes. Serial No. 564,946, Oct. 18. Class 29.

International Association, High Twelve Clubs, St. Louis, Mo. Monthly magazine. Serial No. 526,236, Oct. 18. Class 38.

International Products Corporation, assignor to Pemco Corporation, Baltimore, Md. Ceramic overglaze colors; ceramic engiobes colors; ceramic underglaze colors, etc. Serial No. 531,328, Oct. 18. Class 16.

Irving, John, Shoe Corporation, Boston, Mass. Women's shoes. Serial No. 561,242, Oct. 18. Class 39.

Irving, John, Shoe Corporation, Boston, Mass. Women's shoes. Serial No. 561,244, Oct. 18. Class 39.

Isaly Dairy Company, The, Youngstown, Ohio. Chocolate covered ice cream slice. Serial No. 563,934, Oct. 18. Class 46.

Jari Products, Inc., Minneapolis, Minn. Wrenches. Serial No. 524,469, Oct. 18. Class 23.

Jenkins & Sons, Inc., Jacksonville, Fla. Diamond finger rings. Serial No. 567,699, Oct. 18. Class 28.

Juvitone Motors Hormone: *See*—
Pennebaker, Robert H.

Kaleidoscope, Inc., New York, N. Y. Periodical. Serial No. 564,878, Oct. 18. Class 38.

Kar Glamor, Inc., Indianapolis, Ind. Protective coating composition and polish. Serial No. 559,518, Oct. 18. Class 16.

Kaumagraph Company, Wilmington, Del. Transfers, printed hosiery and lingerie wraps, rider tickets, etc. Serial No. 547,256, Oct. 18. Class 38.

Keep, O. D., Associates, Inc., Los Angeles, Calif. Magazine. Serial No. 514,363, Oct. 18. Class 38.

Kensington, Incorporated, New Kensington, Pa. Furniture. Serial No. 559,101, Oct. 18. Class 32.

Kensington, Incorporated, New Kensington, Pa. Furniture. Serial No. 559,103, Oct. 18. Class 32.

Kerr, R. W., Plastic Co., Hastings, Nebr. Tees for golf balls. Serial No. 545,487, Oct. 18. Class 22.

Keystone Cooperative Grape Association, North East, Pa. Canned tomatoes, canned cherries, tomato juice. Serial No. 524,334, Oct. 18. Class 46.

Kinney, G. R., Co., Inc., New York, N. Y. Shoes. Serial No. 567,262, Oct. 18. Class 39.

Kinston Free Press Company, Inc., Kinston, N. C. Daily newspaper. Serial No. 566,236, Oct. 18. Class 38.

Knapp-Monarch Company, assignor to Knapp-Monarch Company, St. Louis, Mo. Filled insecticide dispensers with control valves. Serial No. 496,512, Oct. 18. Class 23.

Kohnstamm, H., & Co., Inc., New York, N. Y. Colors used in the preparation of cosmetics. Serial No. 565,557, Oct. 18. Class 6.

Kohrs, Lewis P., doing business as The Lewis Kohrs Company, Berkeley, Calif. Printed illustrations, pictures, drawings, etc. Serial No. 512,782, Oct. 18. Class 38.

Krasnow Belt Co., Inc., New York, N. Y. Garment belts. Serial No. 554,501, Oct. 18. Class 39.

Kuamagraph Company, Wilmington, Del. Transfers, printed hosiery and lingerie wraps, rider tickets, etc. Serial No. 547,555, Oct. 18. Class 38.

Lance, Inc., Charlotte, N. C. Peanut butter sandwiches. Serial No. 563,419, Oct. 18. Class 46.

Latrobe Electric Steel Company, Latrobe, Pa. Steel bars, billets, and forgings. Serial No. 558,040, Oct. 18. Class 14.

Levinshon Textile Co., New York, N. Y. Pillow ticks. Serial No. 561,755, Oct. 18. Class 42.

Lewis Kohrs Company, The: *See*—
Kohrs, Lewis P.

Liberty Orchards Company, Cashmere, Wash. Candy. Serial No. 559,233, Oct. 18. Class 46.

Linderman, G. B., Corporation, Hagerstown, Md. Electronic speed control devices. Serial No. 493,134, Oct. 18. Class 21.

Lisboa, Miguel, New York, N. Y. Card games. Serial No. 553,289, Oct. 18. Class 22.

Locker Publications Company: *See*—
Whitehead, George W.

Lowill Watch Company: *See*—
Perloff, Louis.

Loyd, L. W., Company, Inc., South Pittsburg, Tenn. Firecrackers. Serial No. 575,009, Oct. 18. Class 9.

Lummus Company, The, New York, N. Y. Heat exchangers. Serial No. 568,317, Oct. 18. Class 34.

Lutterworth Periodicals Limited, London, Redhill, England. Periodical printed publications. Serial No. 566,391, Oct. 18. Class 38.

Mablan Company, The, Elyria and Cleveland, Ohio. Children's toy push trucks. Serial No. 504,775, Oct. 18. Class 22.

Mar-O-Ble Manufacturing Company, Los Angeles, Calif. Fishing leader line spool. Serial No. 526,266, Oct. 18. Class 22.

Marshall Field & Company, Chicago, Ill. Glassware for table use. Serial No. 567,706, Oct. 18. Class 33.

Marthinsen, Mads, Michigan City, Ind. Automobile tire chains. Serial No. 565,711, Oct. 18. Class 13.

Martin-Senour Company, The, Chicago, Ill. Varnish, varnish stain, pigmented material in the nature of paint, varnish undercoater. Serial No. 555,284, Oct. 18. Class 16.

Marvel Industries, Inc., Detroit, Mich. Mechanical couplers and hoists and combined couplers and hoists. Serial No. 543,727, Oct. 18. Class 23.

Marvelite Paint Company, The, Baltimore, Md. Dry, paste, and ready-mixed paints, paint enamels, paint thinners, and varnishes. Serial No. 554,581, Oct. 18. Class 16.

Masback Incorporated, New York, N. Y. Wire screen cloth. Serial No. 561,840, Oct. 18. Class 13.

McColpin-Christie Corporation, Ltd., Los Angeles, Calif. Direct-current electric power supply units of the rectifier type; battery chargers of the rectifier type, etc. Serial No. 542,150, Oct. 18. Class 21.

Miami Beach Publishing Company, Miami Beach, Fla. Weekly newspaper. Serial No. 559,853, Oct. 18. Class 38.

Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania paper. Serial No. 547,407, Oct. 18. Class 37.

Miley, L. J., Company, Chicago, Ill. Rivets. Serial No. 566,992, Oct. 18. Class 13.

Minnesota Macaroni Company, St. Paul, Minn. Spaghetti. Serial No. 564,340, Oct. 18. Class 46.

Mixermobile Manufacturers, Portland, Oreg. Automotive material handling apparatus. Serial No. 561,326, Oct. 18. Class 23.

Modern Invisible Lens Service, Inc., Buffalo, N. Y. Contact lenses. Serial No. 515,273, Oct. 18. Class 26.

Monsanto Chemical Company, St. Louis, Mo. Complex synthetic resins. Serial No. 540,195, Oct. 18. Class 31.

Motom G. M. B. H.: *See*—
"Afih" Aktiengesellschaft Zur Förderung von Handel & Industrie.

N. & W. Overall Co., Inc., Lynchburg, Va. Sport jackets, and jackets of leather and of wool, sports shirts, etc. Serial No. 544,098, Oct. 18. Class 39.

Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Spray type liquid insecticide. Serial No. 566,830, Oct. 18. Class 6.

Natoli, Bartholomew F., doing business as The Adro Company, Lyndhurst, N. J. Preparation for neutralising objectionable odors. Serial No. 566,239, Oct. 18. Class 6.

New Method Equipment Company, Indianola, Iowa. Farm machinery. Serial No. 533,427, Oct. 18. Class 23.

Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. Serial No. 518,967, Oct. 18. Class 38.

Ohio Brass Company, The, Mansfield, Ohio. Welding rods of metal. Serial No. 568,860, Oct. 18. Class 14.

Omar, Inc., New York, N. Y. Base metal initials. Serial No. 549,745, Oct. 18. Class 28.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors. Serial No. 543,831, Oct. 18. Class 23.

Paraffine Companies, Inc., The, San Francisco, Calif. Adhesive. Serial No. 558,058, Oct. 18. Class 5.

Patek Brothers, Inc., Milwaukee, Wis. Ready-mixed plastic materials. Serial No. 532,868, Oct. 18. Class 12.

Peerless Chain Company, Winona, Minn. Chains. Serial No. 533,609, Oct. 18. Class 13.

Pemco Corporation: *See*—
International Products Corporation.

Pennebaker, Robert H., doing business as Juvitone Motors Hormone, Little Rock, Ark. Chemical liquid preparation. Serial No. 559,176, Oct. 18. Class 6.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Electric household irons. Serial No. 562,802, Oct. 18. Class 21.

Peoria Creamery Company, Peoria, Ill. Butter. Serial No. 564,647, Oct. 18. Class 46.

Perloff, Louis, doing business as the Lowill Watch Company, Philadelphia, Pa. Clocks and watches and parts thereof. Serial No. 556,216, Oct. 18. Class 27.

Planett Mfg. Co., Downey, Calif. Wire mesh. Serial No. 547,764, Oct. 18. Class 12.

Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. Serial No. 575,224, Oct. 18. Class 43.

Puritan Chemical Company, Atlanta, Ga. Chemical preparation. Serial No. 569,476, Oct. 18. Class 6.

Purity Cheese Company, Mayville, Wis. Cheese. Serial No. 499,350, Oct. 18. Class 46.

Quality Comics, Inc., New York, N. Y. Feature in a magazine. Serial No. 548,183, Oct. 18. Class 38.

REF Manufacturing Corporation, Mineola, N. Y. Sink bowls. Serial No. 520,346, Oct. 18. Class 13.

Race, A. T., Jr., Company, assignor to Aracet, Inc., Winter Haven, Fla. Chemical dehydrating agent. Serial No. 558,810, Oct. 18. Class 6.

Raybestos-Manhattan, Inc., Passaic, N. J. Wicks. Serial No. 567,277, Oct. 18. Class 34.

Reimesch, John F., Clifton, N. J. Fishing reels. Serial No. 522,452, Oct. 18. Class 22.

Revere Camera Company, Chicago, Ill. Motion picture cameras, projectors, and film splicers. Serial No. 527,985, Oct. 18. Class 26.

Riddell, John T., Inc., Chicago, Ill. Shoe cleats. Serial No. 558,165, Oct. 18. Class 13.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, tongs, etc. Serial No. 544,112, Oct. 18. Class 28.

S. A. F. F. A., S. A. Fabriche Fiammiferi ed Affini, Milano, Italy. Furniture. Serial No. 520,771, Oct. 18. Class 32.

Saks & Company, New York, N. Y. Hosiery. Serial No. 555,960, Oct. 18. Class 39.

Santike Lingerie Company: *See*—
Strauss, Stanley M.

Sarkin, David, Inc., New York, N. Y. Gold and platinum jewelry. Serial No. 548,412, Oct. 18. Class 28.

Schneider, Mitchel, Co. Inc., Brooklyn, N. Y. Ladies' knitted and textile underwear, slips, pajamas, etc. Serial No. 551,050, Oct. 18. Class 39.

Schreyer & Michaels, New York, N. Y. Paint or facing. Serial No. 564,907, Oct. 18. Class 16.

Sears, Roebuck and Co., Chicago, Ill. Ornamental iron railing. Serial No. 544,778, Oct. 18. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Precious metal jewelry. Serial No. 561,504, Oct. 18. Class 28.

Selberling Rubber Company, Akron, Ohio. Elastic vehicle tires, auto flaps, reliners, etc. Serial No. 566,954, Oct. 18. Class 35.

Selchow & Righter Company, New York, N. Y. Board game. Serial No. 559,059, Oct. 18. Class 22.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin containing preparation. Serial No. 565,008, Oct. 18. Class 6.

Sinclair Refining Company, New York, N. Y. Lubricating oils. Serial No. 551,327, Oct. 18. Class 15.

Sinclair Refining Company, New York, N. Y. Refined, semi-refined, and unrefined oils. Serial No. 551,328, Oct. 18. Class 15.

Sioux Steel Co., The, Sioux Falls, S. Dak. Furnace pipe and fittings for warm air furnaces and air conditioning apparatus. Serial No. 557,314, Oct. 18. Class 34.

Sklaroff, Harry, Sons, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 562,089, Oct. 18. Class 39.

Southern Friction Materials Company, Charlotte, N. C. Ground surfaced, napped, flexible cotton goods. Serial No. 563,983, Oct. 18. Class 42.

Speaker, J. W., Corporation, Milwaukee, Wis. Tire tube patch and valve stem vulcanizing kits. Serial No. 521,308, Oct. 18. Class 23.

Sport Lore, Denver, Colo. Deer call. Serial No. 547,877, Oct. 18. Class 22.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del. Petroleum sulfonates. Serial No. 552,509, Oct. 18. Class 12.

Standard Brands Incorporated, New York, N. Y. Cheese, cheese spreads, and process cheese food. Serial No. 556,605, Oct. 18. Class 46.

Standard Brands Incorporated, New York, N. Y. Process cheese foods. Serial No. 556,994, Oct. 18. Class 46.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Chemical preparation. Serial No. 552,015, Oct. 18. Class 6.

Standard Oil Company of California, San Francisco, Calif., and Wilmington, Del. Refined oils. Serial No. 569,579, Oct. 18. Class 6.

Stier, Joseph B., New York, N. Y. Spoons, forks, knives, etc. Serial No. 557,784, Oct. 18. Class 23.

Stratton & Terstegge Company, Louisville, Ky. Coal stoves, stokers, and oil burners. Serial No. 553,648, Oct. 18. Class 34.

Strauss, Stanley M., doing business as Santike Lingerie Company, Brownstown, Pa. Ladies' and children's slips, nightgowns, petticoats, panties, and pajamas. Serial No. 565,019, Oct. 18. Class 39.

Tex-O-Kan Flour Mills Co., doing business as Burrus Mill & Elevator Co., Fort Worth, Tex. Wheat flour. Serial No. 560,504, Oct. 18. Class 46.

Ther-Est Co., Boston, Mass. Mineral-vitamin dietary supplement. Serial No. 569,646, Oct. 18. Class 6.

Tide Water Associated Oil Company, San Francisco, Calif. Petroleum products. Serial No. 552,371, Oct. 18. Class 15.

Tomkins Brothers, Newark, N. J. Refractory brick. Serial No. 559,069, Oct. 18. Class 12.

Tourneau: *See*—
Tourneau, Inc.

Tourneau, Inc., assignee of Tourneau, New York, N. Y. Watch bracelets, bands, lapel ornaments, pin ornaments, etc. Serial No. 478,561, Oct. 18. Class 28.

Truax-Traer Coal Company, Chicago, Ill. Lignite coal. Serial No. 561,354, Oct. 18. Class 1.

Truax-Traer Coal Company, Chicago, Ill. Lignite coal. Serial No. 561,356, Oct. 18. Class 1.

Unique Art Manufacturing Company, Inc., Newark, N. J. Mechanical toys. Serial No. 548,125, Oct. 18. Class 22.

United Steel Fabricators, Inc., Wooster, Ohio. Construction materials. Serial No. 549,992, Oct. 18. Class 12.

Utility Co., Inc., The, New York, N. Y. Detergent. Serial No. 534,489, Oct. 18. Class 4.

Valentine & Company, Inc., New York, N. Y. Paint enamel. Serial No. 553,654, Oct. 18. Class 16.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Steel hardware goods, agricultural forks. Serial No. 540,498, Oct. 18. Class 23.

Vitamins Limited, London, England. Pharmaceutical vitamin preparations. Serial No. 562,107, Oct. 18. Class 6.

Washington Stove Works, Everett, Wash. Stoves, wood and coal ranges, and oil marine ranges. Serial No. 566,280, Oct. 18. Class 34.

Watts Regulator Co., Lawrence, Mass. Automatic temperature and pressure relief valves. Serial No. 565,983, Oct. 18. Class 13.

Welch, Arthur R., Aberdeen, Wash. Wood sheets, slabs, or strips. Serial No. 533,653, Oct. 18. Class 12.

Westall, Evelyn, New York, N. Y. Perfume, toilet water, and cologne. Serial No. 522,864, Oct. 18. Class 6.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data, and order books; loose writing paper, etc. Serial No. 526,058, Oct. 18. Class 37.

Westinghouse Air Brake Company, The, Wilmerding, Pa. Pipe couplings and pipe unions and parts thereof. Serial Nos. 561,649–50, Oct. 18. Class 13.

Wheeling Corrugating Company, Wheeling, W. Va. Metal lath. Serial No. 536,194, Oct. 18. Class 12.

Whitehead, George W., doing business as Locker Publications Company, assignor to Locker Publications Company, Des Moines, Iowa. Magazine. Serial No. 530,041, Oct. 18. Class 38.

Winthrop-Stearns Inc., New York, N. Y. Analgesic and sedative preparation. Serial No. 562,514, Oct. 18. Class 6.

Wohl Shoe Company, The, St. Louis, Mo. Hosiery. Serial No. 555,133, Oct. 18. Class 39.

Wolfer, Paul C., Wellesley Hills, Mass. Men's, women's, and children's boots and shoes. Serial No. 555,468, Oct. 18. Class 39.

Yorke Publishing Company, Inc., The, New York, N. Y. Magazine. Serial No. 566,388, Oct. 18. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Afro-American Company of Baltimore City, The, Baltimore, Md. Newspapers. 516,378–9, Oct. 18; Serial Nos. 529,125–6, published June 14, 1949. Class 38.

Afro-American Company of Baltimore City, The, Baltimore, Md Newspapers. 516,380–1, Oct. 18; Serial Nos. 529,128–9, published June 14, 1949. Class 38.

Aliwell, Sue Mae, doing business as Ease-All Rubber Products, East Orange, N. J. Rubber mats. 516,503, Oct. 18; Serial No. 551,507, published June 21, 1949. Class 50.

Alston-Lucas Paint Co., Lyons, Ill. Paint enamel. 516,651, Oct. 18; Serial No. 552,733. Class 16.

Altone Chemical Company: *See*—
Vacher, E. W.

Altone Chemical Company, Inc.: *See*—
Tyler, Frank R.

American Automobile Association, Washington, D. C. Printed maps, pamphlets, and printed books. 155,190, May 23, 1922. Republished Oct. 18. Class 38.

American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches, etc. 516,464, Oct. 18; Serial No. 547,215, published May 17, 1949. Class 35.

American Brake Shoe Company, New York, N. Y. Composition frictional elements for brakes, etc. 516,465, Oct. 18; Serial No. 547,218, published May 10, 1949. Class 35.

American Brake Shoe Company, New York, N. Y. Composition frictional elements for brakes and clutches. 516,466 Oct. 18; Serial No. 547,220, published May 10, 1949. Class 35.

American Car and Foundry Company, New York, N. Y. Lubricant for valves. 516,549, Oct. 18; Serial No. 554,846, published July 12, 1949. Class 15.

American Pipe and Construction Co., Los Angeles, Calif. Marine finishes in the form of antifouling paint. 516,403, Oct. 18; Serial No. 537,648, published June 7, 1949. Class 16.

American Pulley Company, The, Philadelphia, Pa. Flexible drive belts. 516,491, Oct. 18; Serial No. 549,602, published June 14, 1949. Class 34.

Andersen Corporation: *See*—
Andersen Lumber Company.

Andersen Lumber Company to Andersen Corporation, Bayport, Minn. Wooden window and door frames. 260,699, renewed Aug. 27, 1949. O. G. Oct. 18. Class 12.

Anderson, Robert L., doing business as Lehigh Chemical Products Company, Chester, Pa. Synthetic detergent. 516,619, Oct. 18; Serial No. 565,467, published July 12, 1949. Class 4.

Apco Mossberg Company: *See*—
Mossberg, Frank Company.

Apollinaris Company, Limited, The, London, England. Mineral water. 64,655, Aug. 20, 1907. Republished Oct. 18. Class 45.

Arden, Elisabeth: *See*—
Lewis, Florence N.

Arden, Elisabeth, Inc., by Elisabeth Arden Sales Corporation, New York, N. Y. Face creams and lotions. 249,634, Nov. 20, 1928. Republished Oct. 18. Class 6.

Arden, Elisabeth, Inc., by Elisabeth Arden Sales Corporation, New York, N. Y. Rouge. 290,207, Dec. 22, 1931. Republished Oct. 18. Class 6.

Arden, Elisabeth, Sales Corporation: *See*—
Arden, Elisabeth, Inc.
Lewis, Florence N.

Arden, Elisabeth, Sales Corporation, New York, N. Y. Perfumes, eau de colognes, toilet waters, etc. 414,785, June 26, 1945. Republished Oct. 18. Class 6.

Arkwright Merchandising Corporation, New York, N. Y. Men's hosiery. 516,387, Oct. 18; Serial No. 532,546, published Dec. 28, 1948. Class 39.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paints. 516,413 Oct. 18; Serial No. 540,616, published June 7, 1949. Class 16.

Armstrong Paint & Varnish Works, Chicago, Ill. Lacquer. 516,414, Oct. 18; Serial No. 540,622, published June 7, 1949. Class 16.

Associated Merchandising Corporation, The, New York, N. Y., Women's shoes. 516,461, Oct. 18; Serial No. 546,545, published June 21, 1949. Class 39.

Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belting. 516,609, Oct. 18; Serial No. 563,035, published May 31, 1949. Class 35.

Ballantyne of Peebles Incorporated, New York, N. Y. Sweaters and hosiery. 516,660, Oct. 18; Serial No. 561,434. Class 39.

Ballantyne of Peebles Incorporated, New York, N. Y. Sweaters and hosiery. 516,661, Oct. 18; Serial No. 562,749. Class 39.

Barricini Inc., Long Island City, and New York, N. Y. Candy, chocolate-coated candy, sweet chocolate candy bars, bon-bons, etc. 516,375, Oct. 18; Serial No. 528,755, published July 5, 1949. Class 46.

Barteldes Seed Company, The, Lawrence, Kans. Popcorn. 269,861, Apr. 22, 1930. Republished Oct. 18. Class 46.

Baselon Manufacturing Company, Inc., Chicago, Ill. Shampoo boards. 516,534, Oct. 18; Serial No. 553,064, published July 12, 1949. Class 13.

Bean, L. L., Inc.: *See*—
Bean, Leon L.

Bean, Leon L., to L. L. Bean, Inc., Freeport, Maine. Camp mattresses, folding cots, and folding camp stools. 258,534, renewed July 9, 1949. O. G. Oct. 18. Class 32.

Bean, Leon L., to L. L. Bean, Inc., Freeport, Maine. Leather, rubber, duck, canvas, and composition boots and shoes; moccasins and slippers, etc. 263,864, renewed Nov. 12, 1949. O. G. Oct. 18. Class 39.

Bell & Zoller Coal Company: *See*—
Hart Coal Corporation.

Berkshire Footwear Corporation, Inc., Holliston, Mass. Infants' moccasin shoes. 516,535, Oct. 18; Serial No. 553,066, published June 28, 1949. Class 39.

Berrie, Nathan, & Sons, New York, N. Y. Jewelry findings, neck chains, and jewelry chains. 516,665, Oct. 18; Serial No. 571,192. Class 28.

Best & Co. Inc., New York, N. Y. Women's and children's dresses. 217,606, Sept. 7, 1926. Republished Oct. 18. Class 39.

Best & Co. Inc., New York, N. Y. Fitted sewing baskets and kits; and nursery baskets, etc. 229,078, June 21, 1927. Republished Oct. 18. Class 40.

Best & Co. Inc., New York, N. Y. Porcelain and china bedroom chambers, cereal sets, and chinaware. 231,468, Aug. 23, 1927. Republished Oct. 18. Class 30.

Best & Co. Inc., New York, N. Y. Silk carriage straps, textile knitted warmers for bottles, etc. 235,092, Nov. 8, 1927. Republished Oct. 18. Classes 39–42.

Best & Co. Inc., New York, N. Y. Shoe. 253,607, Mar. 5, 1929. Republished Oct. 18. Class 39.

Best & Co. Inc., New York, N. Y. Junior dresses, coats, sport and tailored suits, etc. 324,851, June 4, 1935. Republished Oct. 18. Class 39.

Best & Co. Inc., New York, N. Y. High chair pads, crib pads, play yard pads, etc. 373,194, Nov. 28, 1939. Republished Oct. 18. Class 42.

Bilhuber, E., Inc., Orange, N. J. Medical preparation. 516,582, Oct. 18; Serial No. 558,776, published July 26, 1949. Class 6.

Binney & Smith Company, to Columbian Carbon Company, New York, N. Y. Pigment. 75,552, re-renewed Oct. 19, 1949. O. G. Oct. 18. Class 16.

Binney & Smith Company, New York, N. Y. Paint. 516,367, Oct. 18; Serial No. 528,110, published Mar. 29, 1949. Class 16.

Blair of Virginia: *See*—
Morton Manufacturing Corporation.

Bliss, E. W., Company, Toledo, Ohio. Metal working presses, metal drawing machines, can making and filling machines, etc. 363,434, Dec. 27, 1938. Republished Oct. 18. Class 23.

Boker, H., & Co., Inc., New York, N. Y. Pocket knives. 442,857, June 7, 1949. Republished Oct. 18. Class 23.

Book-Of-The-Month Club, Inc., New York, N. Y. Fictional and non-fictional books. 516,488, Oct. 18; Serial No. 549,415, published July 5, 1949. Class 38.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Tire wall paint; automobile top finish, and automobile finish cleaner and polish. 516,386, Oct. 18; Serial No. 532,204, published June 7, 1949. Class 16.

Brach, E. J., & Sons, Chicago, Ill. Candy. 516,342, Oct. 18; Serial No. 500,458, published July 5, 1949. Class 46.

Briggs, C. A., Company, Cambridge, Mass. Lumps of candy on sticks. 516,372, Oct. 18; Serial No. 528,427, published July 5, 1949. Class 46.

Brown, John S. & Co., Belfast, Ireland, and New York, N. Y., by John S. Brown & Sons Limited, Belfast, Northern Ireland. Household and table linens, cambric handkerchiefs, linen piece goods, etc. 26,893, Aug. 6, 1895. Republished Oct. 18. Classes 39 and 42.

Brown, John S., & Sons Limited: *See*—
Brown, John S., & Co.

Brown, Marie T., Washington, D. C. Newspaper column. 516,429. Oct. 18; Serial No. 542,811, published June 21, 1949. Class 38.

Buckeye Overall Company, The, Versailles, Ohio. Outer shirts, pants, and playsuits for boys. 516,458. Oct. 18; Serial No. 546,185, published July 5, 1949. Class 39.

Buckley, Newhall Company, The, Brooklyn, N. Y. Household and office furniture. 235,859, Nov. 29, 1927. Republished Oct. 18. Class 32.

Buckley, Newhall Company, The, Brooklyn, N. Y. Radio apparatus and parts thereof. 241,985, May 8, 1928. Republished Oct. 18. Class 21.

Burdick Corporation, The, Milton, Wis. Periodical publication. 516,353, Oct. 18; Serial No. 515,860, published July 5, 1949. Class 38.

Burlington Mills Corporation: *See*—
Duplex Silk Mills, Inc.

Bury Quilting Manufacturing Company Limited, The, Manchester, England. Cotton piece goods. 516,614, Oct. 18; Serial No. 563,554, published May 17, 1949. Class 42.

C. B. R. Cimenteries et Briqueteries Réunies S. A., Antwerp, to Cimenteries et Briqueteries Reunies (En Abreviation C. B. R.) Societe Anonyme, Brussels, Belgium. Building cements. 258,805, renewed July 16, 1949. O. G. Oct. 18. Class 12.

Calar Chemical Company, Pasadena, Calif. Soaps, scouring powders, and soaps. 516,572, Oct. 18; Serial No. 557,176, published July 5, 1949. Class 4.

Calber S. A., to Calber S. A., San Sebastian, Spain. Toilet powder, eaux de cologne, hair and skin lotions, etc. 260,719, renewed Aug. 27, 1949. O. G. Oct. 18. Class 6.

California Crematorium, Oakland, Calif. Urns for the ashes of the dead. 370,682, Sept. 5, 1939. Republished Oct. 18. Class 2.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 516,496, Oct. 18; Serial No. 550,384, published May 24, 1949. Class 6.

Canfield, H. O., Co., The, Bridgeport, Conn. Flat bibb, beveled bibb, syphon, tank and spud washers, etc. 516,601, Oct. 18; Serial No. 561,226, published May 10, 1949. Class 35.

Canton Culvert Company, The, Canton, to Republic Steel Corporation, Cleveland, Ohio. Sheet metal. 74,120, re-renewed June 22, 1949. O. G. Oct. 18. Class 14.

Cape Ann Manufacturing Co., Gloucester, Mass. Men's and boys' woolen and cotton coats and jackets. 516,522. Oct. 18; Serial No. 552,744, published June 28, 1949. Class 39.

Caravetta Foods Co., Chicago, Ill. Complete Italian dinner. 516,357, Oct. 18; Serial No. 520,495, published July 5, 1949. Class 46.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Surface-active chemical compositions. 516,492, Oct. 18; Serial No. 549,615, published June 28, 1949. Class 6.

Cater, Floyd J., Seattle, Wash. Furnace and stove fuel oils. 516,622, Oct. 18; Serial No. 541,511, published July 5, 1949. Class 15.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Soles and heels. 516,408, Oct. 18; Serial No. 539,937, published July 5, 1949. Class 39.

Central Canning Co. A/S, Stavanger, Norway. Canned sardines. 516,366, Oct. 18; Serial No. 526,202, published July 5, 1949. Class 46.

Central Division Company, Chicago, Ill. Asphalt insulated panels. 516,457, Oct. 18; Serial No. 546,089, published June 28, 1949. Class 12.

Chapin, E. R. Co.: *See*—
Chapin, Elliott R.

Chapin, Elliott R., trading as E. R. Chapin Co., New York, N. Y. Men's hats. 516,648, Oct. 18; Serial No. 550,121. Class 39.

Charmfit of Hollywood, Inc., Los Angeles, Calif. Foundation garments. 516,605, Oct. 18; Serial No. 562,029, published June 21, 1949. Class 39.

Chek-Chart Corporation, The, Chicago, Ill. Publications and prints. 516,345, Oct. 18; Serial No. 508,888, published June 21, 1949. Class 38.

Chemical Bank & Trust Company: *See*—
Continental Bank & Trust Company of New York, The.

Chemical Compounding Co.: *See*—
Watson, Thomas T.

Chicago Railway Equipment Company, Chicago, Ill. Castings and forgings. 259,897, renewed Aug. 13, 1949. O. G. Oct. 18. Class 14.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 516,602, Oct. 18; Serial No. 561,293, published June 7, 1949. Class 38.

Christenson, Malcolm P., doing business as Disney Products Co., Redondo Beach, Calif. Combination cleaning, polishing, and waxing preparation. 516,433, Oct. 18; Serial No. 543,274, published July 12, 1949. Class 16.

Christy & Company, Limited, London, England. Hats, caps, and helmets. 516,481, Oct. 18; Serial No. 548,928, published June 28, 1949. Class 39.

Cimenteries et Briqueteries Réunies (En Abreviation C. B. R.) Societe Anonyme: *See*—
C. B. R. Cimenteries et Briqueteries Reunies S. A.

Claycraft Company, The, Columbus, Ohio. Ceramic products. 516,487, Oct. 18; Serial No. 549,231, published June 21, 1949. Class 12.

Clover Farm Stores Corporation, Cleveland, Ohio. Soap; general cleanser. 516,606, Oct. 18; Serial No. 562,767, published July 5, 1949. Class 4.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. 516,456, Oct. 18; Serial No. 545,711, published July 5, 1949. Class 39.

Cohn, Joseph, & Son, New York, N. Y. Leather shoes. 516,484, Oct. 18; Serial No. 549,121, published July 5, 1949. Class 39.

Collegeville Flag and Manufacturing Company, Collegeville, Pa. Children's playsuits. 516,526, Oct. 18; Serial No. 552,948, published June 28, 1949. Class 39.

Collier, R. T., Corporation, Los Angeles, Calif. Composition fuel. 516,382, Oct. 18; Serial No. 530,172, published July 5, 1949. Class 1.

Colton Razor Blade Company: *See*—
Ruble Blade Corporation.

Columbian Carbon Company: *See*—
Binney & Smith Company.

Combined Metals Reduction Company, Salt Lake City, Utah. Perlite in the form of an insulation material. 516,567, Oct. 18; Serial No. 556,422, published July 5, 1949. Class 12.

Commercial Laboratories, Inc., Newark, N. Y. Soaps. 516,620, Oct. 18; Serial No. 566,690, published July 5, 1949. Class 4.

Concrete Pipe & Products Co. Inc., Richmond, Va. Concrete products, concrete pipe fittings, etc. 516,482, Oct. 18; Serial No. 548,952, published June 21, 1949. Class 12.

Conn, C. G., Ltd.: *See*—
Miller, Arthur B.

Consolidated Cosmetics, by Veralin, Inc., Chicago, Ill. Tampons. 421,213, May 21, 1946. Republished Oct. 18. Class 44.

Continental Baking Company, New York, N. Y. Bread. 261,941, Sept. 24, 1929. Republished Oct. 18. Class 46.

Continental Bank & Trust Company of New York, The, assignor to Chemical Bank & Trust Company, New York, N. Y. Periodical. 516,341, Oct. 18; Serial No. 499,766, published Oct. 12, 1948. Class 38.

Continental Decalcomania Co., Grand Rapids, Mich. Decalcomania transfers. 516,389, Oct. 18; Serial No. 532,805, published June 14, 1949. Class 38.

Continental Silver Co. Inc., Brooklyn, N. Y. Plain and chromium plated pewter ware and aluminum ware. 443,450, Oct. 18; Serial No. 496,303, published July 5, 1949. Class 13.

Cook's, Adam, Sons, New York, N. Y., to Adam Cook's Sons, Inc., Linden, N. J. Lubricating compounds. 33,919, re-renewed Dec. 19, 1949. O. G. Oct. 18. Class 15.

Cook's, Adam, Sons, Inc.: *See*—
Cook's, Adam, Sons.

Co-operative Industries, Inc., Chester, N. J. Flexible metal tubing and conduit. 516,504, Oct. 18; Serial No. 551,692, published May 24, 1949. Class 35.

Cornell-Dubilier Corporation, New York, N. Y., by Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. 312,814, May 8, 1934. Republished Oct. 18. Class 21.

Cornell-Dubilier Corporation, New York, N. Y., by Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. 335,657, June 9, 1936. Republished Oct. 18. Class 21.

Cornell-Dubilier Electric Corporation: *See*—
Cornell-Dubilier Corporation.
Electronic Laboratories, Inc.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condensers. 379,258–9, July 9, 1940. Republished Oct. 18. Class 21.

Coro, Inc., New York, N. Y. Necklaces, and bracelets, finger rings, etc. 516,658, Oct. 18; Serial No. 558,009. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. 516,662, Oct. 18; Serial No. 563,314. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. 516,663, Oct. 18; Serial No. 563,399. Class 28.

Corrigan, McKinney Steel Company, The, to Republic Steel Corporation, Cleveland, Ohio. Coke. 264,785, renewed Dec. 3, 1949. O. G. Oct. 18. Class 1.

Cowan, B. E., and Associates, Elizabethtown, Ky. Catalog. 516,569, Oct. 18; Serial No. 557,024, published July 5, 1949. Class 38.

Crampton, Hope, New York, N. Y. Waterproof baby pants. 516,656 Oct. 18; Serial No. 555,655. Class 39.

Creighton Shirt Company, Inc., New Haven, Conn. Shirts. 516,441, Oct. 18; Serial No. 544,058, published June 21, 1949. Class 39.

Crown Jewel Ware, Inc., Chicago, Ill. Copper sheathed cooking pots and pans. 516,460, Oct. 18; Serial No. 546,373, published July 5, 1949. Class 14.

Crown Willamette Paper Company, to Crown Zellerbach Corporation, San Francisco, Calif. Paper towels. 264,554, renewed Nov. 26, 1949. O. G. Oct. 18. Class 37.

Crown Zellerbach Corporation: *See*—
Crown Willamette Paper Company.

Curtis Companies Incorporated, Clinton, Iowa. Window frames, windows, and parts thereof, etc. 516,439. Oct. 18; Serial No. 543,797, published June 21, 1949. Class 12.

Dae Health Laboratories, Limited, London, England. Skin creams, antiseptic creams and ointments. 516,589, Oct. 18; Serial No. 559,139, published June 21, 1949. Class 6.

Dairy Association Co., Inc., Lyndonville, Vt. Preparation for the treatment of diseases of the udder and teats. 516,402, Oct. 18; Serial No. 537,431, published July 12, 1949. Class 6.

Dakota Enterprise, Inc., Bismarck, N. Dak. Aspirin tablets. 516,613, Oct. 18; Serial No. 563,451, published July 12, 1949. Class 6.

Darling, L. A., Company, Bronson, Mich. Mannequins. 516,537, Oct. 18; Serial No. 553,184, published July 5, 1949. Class 50.

Darling, L. A., Company, Bronson, Mich. Children's mannequins. 516,538, Oct. 18; Serial No. 553,185, published July 5, 1949. Class 50.

Darling, L. A., Company, Bronson, Mich. Apparel display forms. 516,539, Oct. 18; Serial No. 553,186, published July 5, 1949. Class 50.

Darling, L. A., Company, Bronson, Mich. Children's mannequins. 516,540, Oct. 18; Serial No. 553,187, published July 5, 1949. Class 50.

Davis, Barnett, Incorporated, Pittsburgh, Pa. Finger rings, ear rings, and all items of jewelry that contain diamonds. 516,664, Oct. 18; Serial No. 568,496. Class 23.

Day's, Mrs. Ideal Baby Shoe Company, Inc., Danvers, Mass. Children's house slippers to wear over footed pajamas. 516,631, Oct. 18; Serial No. 512,648. Class 39.

Dearborn Motors Corporation, Highland Park and Detroit, Mich. Farm wagons and parts thereof. 516,666, Oct. 18; Serial No. 577,088. Class 19.

Decca Record Company, The: *See*—
Decca Records, Inc.

Decca Records, Inc., New York, N. Y., assignor to The Decca Record Company, Limited, London, England. Mechanically grooved phonograph records. 516,453, Oct. 18; Serial No. 545,457, published Mar. 15, 1949. Class 36.

De De Johnson, Los Angeles, Calif. Ladies' blouses, suits, dresses, skirts, etc. 516,623, Oct. 18; Serial No. 483,606. Class 39.

De Mert & Dougherty, Inc., Chicago, Ill. Refined machine oil. 516,477, Oct. 18; Serial No. 548,242, published July 12, 1949. Class 15.

Dennis, Martin, Company, The: *See*—
Stalker Manufacturing Company, Inc.

Dennis, Martin, Company, The, Newark, N. J. Tanner's bate. 243,072, June 12, 1928. Republished Oct. 18. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Kind of leather stuffing knowns as fat liquor. 243,291–2, June 19, 1928. Republished Oct. 18. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Kind of leather stuffing knowns as fat liquor. 244,130, July 10, 1928. Republished Oct. 18. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Oil or grease for use in the leather industry. 270,850–1, May 13, 1930. Republished Oct. 18. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Oil for softening or fat-liquoring leather. 275,350, Sept. 23, 1930. Republished Oct. 18. Class 4.

De Pinna, A., Co., Inc., New York, N. Y. Women's, misses' and girls' dresses and blouses. 516,546, Oct. 18; Serial No. 554,015, published June 21, 1949. Class 39.

De Pree Company, The, Holland, Mich. Insecticide. 516,595, Oct. 18; Serial No. 560,386, published June 28, 1949. Class 6.

Desaulniers, Germaine, A., Niagara Falls, N. Y. Herbal lung tonic. 516,536, Oct. 18; Serial No. 559,009, published June 28, 1949. Class 6.

Detroit Butter & Egg Co, Inc., to Frigid Food Products, Inc., Detroit, Mich. Frozen eggs. 257,119, renewed May 28, 1949. O. G. Oct. 18. Class 46.

Detroit Gasket & Manufacturing Company, Detroit, Mich. Gaskets. 516,430, Oct. 18; Serial No. 542,992, published June 21, 1949. Class 35.

Diamond Expansion Bolt Co., to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Metal clamps. 264,204, renewed Nov. 19, 1949. O. G. Oct. 18. Class 13.

Diamond Expansion Bolt Company, Inc.: *See*—
Diamond Expansion Bolt Co.

Dickinson, Albert, Company, The, by The Albert Dickinson Company (1938), Chicago, Ill. Timothy-seed. 20,030, Aug. 18, 1891. Republished Oct. 18. Class 1.

Dickinson, Albert, Company (1938), The: *See*—
Dickinson, Albert, Company, The.

Di Franco & Urso, New York, N. Y. Fresh tomatoes. 443,457, Oct. 18; Serial No. 513,809, published July 5, 1949. Class 46.

Disney Products Co.: *See*—
Christenson, Malcolm P.

Distributors Trucking Corporation, New York, N. Y. Wheat flour. 378,762–3, June 18, 1940. Republished Oct 18. Class 46.

Distributors Trucking Corporation, New York, N. Y. Wheat flour. 378,933, June 25, 1940. Republished Oct. 18. Class 46.

Diversey Corporation, The, Chicago, Ill. Chemical preparation for use as a cleanser and water softener. 516,351, Oct. 18; Serial No. 513,613, published May 4, 1948. Class 4.

Doan Manufacturing Corporation, The, Cleveland, Ohio. Rubber bushings, hose, gaskets, etc. 516,490, Oct. 18; Serial No. 549,522, published June 21, 1949. Class 35.

Dobrzensky Hotel Supply Co., San Francisco, Calif. Janitorial supplies. 516,343, Oct. 18; Serial No. 500,744, published June 7, 1949. Class 16.

Donahue, A. J., Corporation, The, Milford, Conn. Men's and women's garters, hose supporters, and arm bands. 516,478, Oct. 18; Serial No. 548,244, published June 21, 1949. Class 39.

Doolan, Thomas Howard, Inc., New York, N. Y. Waste paper, old newspapers, and over-issue newspapers put up in bales. 516,523, Oct. 18; Serial No. 552,755, published July 5, 1949. Class 1.

Doughnut Corporation of America, New York, N. Y. Prepared flour for waffles, doughnuts, biscuits, etc. 516,621, Oct. 18; Serial No. 575,597, published July 19, 1949. Class 46.

Drew, E. F., & Co., Inc., New York, N. Y. Synthetic detergent. 516,559, Oct. 18; Serial No. 555,999, published July 5, 1949. Class 4.

Dryfold Mfg. Co., Caldwell, Ohio. Baby diaper covers of plastic material. 516,502, Oct. 18; Serial No. 551,093, published July 5, 1949. Class 39.

Dubin Bros. Shoe Co., St. Louis, Mo. Men's, women's, and children's shoes. 516,635, Oct. 18; Serial No. 523,248. Class 39.

Dunn and McCarthy, Inc., Auburn, N. Y. Hosiery. 264,355, renewed Nov. 26, 1949. O. G. Oct. 18. Class 39.

Duplex Silk Mills, Inc., New York, N. Y., to Burlington Mills Corporation, Greensboro, N. C. Crepe chiffon in the piece. 254,385, renewed Mar. 26, 1949. O. G. Oct. 18. Class 42.

Du Pont, E. I., de Nemours and Company: *See*—
Du Pont Viscoloid Company.
Roessler & Hasslacher Chemical Co., The.

Du Pont Viscoloid Company, New York, N. Y., by E. I. du Pont de Nemours and Company, Wilmington, Del. Combs. 262,984, Oct. 29, 1929. Republished Oct. 18. Class 40.

E & B Products Company: *See*—
Yauman, Mary L.

Ease-All Rubber Products: *See*—
Allwell, Sue M.

Eastmor Leather Co., Inc., Gloversville, N. Y. Leather. 516,517, Oct. 18; Serial No. 552,442, published July 5, 1949. Class 1.

Edmonds, Allen, Shoe Corporation, Belgium, Wis. Shoes. 516,452, Oct. 18; Serial No. 545,858, published June 28, 1949. Class 39.

Edwards, J., & Co., Philadelphia, Pa. Leather shoes. 516,377, Oct. 18; Serial No. 528,951, published June 28, 1949. Class 39.

Eldridge, R. W., Co., Inc., Charlotte, N. C. Handkerchiefs. 516,467, Oct. 18; Serial No. 547,248, published July 5, 1949. Class 39.

Electronic Laboratories, Inc., Indianapolis, Ind., by J. I. Kahn, trustee in bankruptcy, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Radio receiving sets. 443,468, Oct. 18; Serial No. 526,331, published July 26, 1949. Class 21.

Emerson Shoe Manufacturing Company, Rockland, Mass., to G. R. Kinney Co., Inc., New York, N. Y. Shoes. 250,950, renewed Dec. 18, 1948. O. G. Oct. 18. Class 39.

Endo Products Inc., Richmond Hill, N. Y. General analgesic. 516,514, Oct. 18; Serial No. 552,236, published July 12, 1949. Class 6.

Endo Products Inc., Richmond Hill, N. Y. Medicine. 516,576–7, Oct. 18; Serial Nos. 558,378–9, published June 28, 1949. Class 6.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Eston Chemicals, Inc., Los Angeles, Calif. Refrigerants. 516,359, Oct. 18; Serial No. 521,386, published July 12, 1949. Class 6.

Everitt Hat Company, Milwaukee, Wis. Women's, misses', and girls' hats. 516,652, Oct. 18; Serial No. 554,016. Class 39.

Falkingham, Percival E., New York, N. Y., by The Procter & Gamble Company, Cincinnati, Ohio. Astringents, astringent cerates, bleach creams, etc. 267,841, Mar. 4, 1930. Republished Oct. 18. Class 6.

Famous Funnies, Inc., Waterbury, Conn. Comic magazines. 516,578, Oct. 18; Serial No. 558,384, published June 21, 1949. Class 38.

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 516,450, Oct. 18; Serial No. 544,561, published June 28, 1949. Class 39.

Federal Enameling and Stamping Company, McKees Rocks, Pa. Cooking utensils. 516,565, Oct. 18; Serial No. 556,256, published July 12, 1949. Class 13.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle tires and tubes. 259,303, renewed July 30, 1949. O. G. Oct. 18. Class 35.

Firth Sterling Steel & Carbide Corporation: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, by Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Steel and forgings. 246,529, Sept. 11, 1928. Republished Oct. 18. Class 14.

Fishback Manufacturing Company, Denver, Colo. Outer clothing. 443,455, Oct. 18; Serial No. 508,591, published June 7, 1949. Class 39.

Fitzpatrick Bros., Inc., Chicago, Ill. Cleaning and scouring preparation. 516,584, Oct. 18; Serial No. 558,880, published July 5, 1949. Class 4.

Flamingo Glove Company, Chicago, Ill. Gloves. 516,376, Oct. 18; Serial No. 528,779, published June 21, 1949. Class 39.

Flintkote Company, The, New York, N. Y. Asphaltic material. 259,095, July 23, 1929. Republished Oct. 18. Class 12.

Florida Fashions, Inc., Sanford, Fla. Materials cut out ready for sewing into ladies' dresses, play suits, and bathing suits. 516,627, Oct. 18; Serial No. 526,217. Class 39.

Folger, J. A., & Company, San Francisco, Calif. Roasted coffee. 74,950, Aug. 24, 1909. Republished Oct. 18. Class 46.

Ford Meter Box Company, Inc., The, Wabash, Ind. Angle pipe couplings and angle, plug-type valves. 516,511, Oct. 18; Serial No. 552,139, published July 12, 1949. Class 13.

Ford Motor Company: *See*—
Prest-O-Lite Storage Battery Corporation.

Ford Motor Company, Detroit, to Ford Motor Company, Dearborn, Mich. Automobiles and their parts. 74,530, re-renewed July 20, 1949. O. G. Oct. 18. Class 19.

Ford Motor Company, Detroit, to Ford Motor Company, Dearborn, Mich. Explosive-engines and their parts. 74,765, re-renewed Aug. 10, 1949. O. G. Oct. 18. Class 23.

Ford Motor Company, Fordson, to Ford Motor Company, Dearborn, Mich. Starting cranks, radiator fans, radiator-fan mountings, etc. 260,470, renewed Aug. 27, 1949. O. G. Oct. 18. Class 23.

Formica Company, The: *See*—
Formica Insulation Company, The.

Formica Insulation Company, The, Cincinnati, Ohio, now by change of name The Formica Company. Decorative laminated paneling, and wall covering panels. 516,369, Oct. 18; Serial No. 528,204, published June 21, 1949. Class 12.

Foster, Benjamin, Company, Philadelphia, Pa. Bituminous paint and aluminum paint. 256,627, May 21, 1929. Republished Oct. 18. Class 16.

Foster, F. A., & Co., New York, N. Y., assignor to F. A. Foster & Co., Inc., to F. A. Foster & Co., Inc., Boston, Mass. Cotton draperies, bunting, and gauzes, etc. 75,534, re-renewed Oct. 12, 1949. O. G. Oct. 18. Class 42.

Foster, F. A., & Co., Inc.: *See*—
Foster, F. A., & Co.

Four Penny Products Co., by Four Penny Products Co. Inc., Chicago, Ill. Dandruff remover tonic and dandruff remover shampoo. 862,235, Nov. 15, 1938. Republished Oct. 18. Class 6.

Four Penny Products Co. Inc.: *See*—
Four Penny Products Co.

Fox, M. Ewing, Co. Inc., New York, N. Y. Water paint. 262,220, renewed Oct. 1, 1949. O. G. Oct. 18. Class 16.

Frank Bros.-Neptune Mfg. Co.: *See*—
Neptune Mfg. Co.

Franklin Laboratories, Inc., Englewood, N. J. Pharmaceutical preparation. 516,428, Oct. 18; Serial No. 542,767, published June 28, 1949. Class 6.

Freret, Paul, Paris, France. Dress forms. 516,356, Oct. 18; Serial No. 520,139, published June 28, 1949. Class 50.

Frigid Food Products, Inc.: *See*—
Detroit Butter & Egg Co. Inc.

Frye, John A., Shoe Company, Marlboro, Mass. Cowboy boots. 516,479, Oct. 18; Serial No. 548,742, published June 21, 1949. Class 39.

Full-Knit Hosiery Mills, Inc., Burlington, N. C. Men's hosiery. 516,506, Oct. 18; Serial No. 551,790, published June 21, 1949. Class 39.

Galanter, Arch'e, Brooklyn, N. Y. Preparatory shaving cream. 516,581, Oct. 18; Serial No. 558,646, published July 5, 1949. Class 4.

Galax Knitting Company, Incorporated, Galax, Va. Hosiery. 516,391, Oct. 18; Serial No. 533,158, published July 5, 1949. Class 39.

Gardner Cine Company, assignor to Gardner Cineco Inc., Los Angeles, Calif. Photographic equipment. 443,451, Oct. 18; Serial No. 504,546, published Feb. 24, 1948. Class 26.

Gardner Cineco Inc.: *See*—
Gardner Cine Company.

Garrison Machine Works, Inc., Dayton, Ohio. Box-like temperature controlled cabinets, within which the manufacture, assembly, calibration, inspection, and testing of precision parts, assemblies, and apparatus may be accomplished. 441,572, Dec. 14, 1948. Republished Oct. 18. Class 26.

Gaspari, J. & Co., Inc., New York, N. Y. Eye glass and spectacle frames. 516,643, Oct. 18; Serial No. 536,574. Class 26.

Gates Rubber Company, The, Denver, Colo. Pneumatic tires. 516,607, Oct. 18; Serial No. 562,775, published June 28, 1949. Class 35.

General Telephone Directory Company, Long Beach, Calif. Telephone directories. 516,392, Oct. 18; Serial No. 533,727, published July 5, 1949. Class 38.

Genii Incorporated, St. Paul, Minn. Lotion for revitalizing human hair. 516,599, Oct. 18; Serial No. 561,000, published July 5, 1949. Class 6.

George, P. D., Company, The, St. Louis, Mo. Dry, paste and ready-mixed paints; varnishes; and lacquers. 516,638, Oct. 18; Serial No. 529,764. Class 16.

Glenell Sportswear Co., New York, N. Y. Knitted sweaters and jackets. 516,515, Oct. 18; Serial No. 552,240, published July 5, 1949. Class 39.

Goldrim Hat Co., New York, N. Y. Men's hats. 443,466, Oct. 18; Serial No. 525,213, published June 28, 1949. Class 39.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Boots and shoes. 516,364, Oct. 18; Serial No. 524,396, published July 5, 1949. Class 39.

Gordon, Harry J., Chattanooga, Tenn. Medicine. 516,485, Oct. 18; Serial No. 549,146, published July 5, 1949. Class 6.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Furniture merchandising periodical. 307,612, Oct. 31, 1933. Republished Oct. 18. Class 38.

Green Shoe Manufacturing Co., The: *See*—
La Londe & Clarke, Inc.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Cleaning materials for fabrics and leather; shoe polishes; shoe blacking, etc. 516,468, Oct. 18; Serial No. 547,334, published July 12, 1949. Class 4.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Preparation in liquid, cream, and paste form for cleaning and polishing shoes. 516,469–70, Oct. 18; Serial Nos. 547,336–7, published July 12, 1949. Class 4.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Dry cleaning preparation. 516,471, Oct. 18; Serial No. 547,339, published July 12, 1949. Class 4.

Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Liquid preparation for refinishing and polishing leather shoes. 516,474, Oct. 18; Serial No. 547,628, published July 12, 1949. Class 4.

Grocer-Graphic, Inc., New York, N. Y. Trade magazines and publications. 516,405, Oct. 18; Serial No. 539,317, published June 28, 1949. Class 38.

Guest, Keen & Nettlefolds Limited, Smethwick, England. Screws, nails, rivets, etc. 60,716, Feb. 19, 1907. Republished Oct. 18. Class 13.

Gump, S. & G., Company, San Francisco, Calif. Glass perfumes bottles, glass bar glasses, glass decanter sets, etc. 516,417, Oct. 18; Serial No. 541,288, published July 5, 1949. Class 33.

Gump, S. & G., Company, San Francisco, Calif. Earthenware bowls, vases, plates and dinner sets, porcelain bowls, etc. 516,418, Oct. 18; Serial No. 541,289, published July 5, 1949. Class 30.

Gutmann, Carl, & Co., Inc., New York, N. Y. Ladies' and misses' sweaters, blouses, outer sport shirts, etc. 516,596, Oct. 18; Serial No. 560,464, published June 14, 1949. Class 39.

Half Moon Fruit & Produce Co., San Francisco, Calif. Persian, casaba and honeydew fresh melons. 430,590, June 17, 1947. Republished Oct. 18. Class 46.

Halper, Myer, doing business as Halper Publishing Co., Chicago, Ill. Trade publications. 516,551, Oct. 18; Serial No. 555,176, published June 28, 1949. Class 38.

Halper Publishing Co.: *See*—
Halper, Myer.

Hamilton Glass Company, Inc., Chicago, Ill. Flat glass. 516,657, Oct. 18: Serial No. 556,795. Class 33.

Hanover Glove Co., Hanover, Pa. Gloves. 516,555, Oct. 18; Serial No. 555,602, published June 21, 1949. Class 39.

Harris & Filler Co., The, by Harris & Filler, Inc., Frederick, Md. Canned vegetables. 250,583, Dec. 11, 1928. Republished Oct. 18. Class 46.

Harris & Filler, Inc.: *See*—
Harris & Filler Co., The.

Hart Coal Corporation, Mortons Gap, Ky., by Bell & Zoller Coal Company, Chicago, Ill. Coal. 210,830, Mar. 23, 1926. Republished Oct. 18. Class 1.

Heller, B., & Company, Chicago, Ill. Washing powder and cleansing compound. 282,061, Apr. 7, 1931. Republished Oct. 18. Class 4.

Hercules Powder Company, Wilmington, Del. Resin. 516,541, Oct. 18; Serial No. 553,197, published July 5, 1949. Class 1.

Herd Utilities, Inc., Providence, R. I. Cast sweat metal pipe fittings. 516,370, Oct. 18; Serial No. 528,281, published July 5, 1949. Class 13.

Hidalgo Pharmacy: *See*—
Salazar, Lucila.

Highcroft Orchards, Ashland, Oreg. Fresh pears. 516,378, Oct. 18; Serial No. 521,333, published July 5, 1949. Class 46.

Hise, Bessie C., Chagrin Falls Village, Ohio. Candy. 516,639 Oct. 18; Serial No. 531,800. Class 46.

Holly Hill Fruit Products, Incorporated, Davenport, Fla. Canned citrus fruit juices. 516,628, Oct. 18; Serial No. 510,681. Class 46.

Holly Mills Company, Mt. Holly, N. J., assignee of Abe Shillin, Hosiery. 516,636, Oct. 18; Serial No. 524,021. Class 39.

Homeland Tailors, Inc., Baltimore, Md. Men's and youths' outer clothing. 516,404, Oct. 18; Serial No. 538,753, published June 28, 1949. Class 39.

Hornaday, William H. D., Jr., Los Angeles, Calif. Preparation for cleaning toilet bowls. 516,593, Oct. 18; Serial No. 559,708, published July 5, 1949. Class 4.

Hosier, Arnold D., Quincy, Mich. Insulating wool. 516,560, Oct. 18; Serial No. 556,013, published May 17, 1949. Class 12.

Hudson, John W., New York, N. Y. Feed pipes or tubing. 516,360, Oct. 18; Serial No. 521,389, published June 28, 1949. Class 13.

Huffman Full Fashioned Mills, Inc., Morganton, N. C. Men's and ladies' hosiery. 516,440, Oct. 18; Serial No. 543,928, published June 21, 1949. Class 39.

Hughes Aircraft Company: *See*—
Hughes Tool Company.

Hughes Tool Company, doing business as Hughes Aircraft Company, Culver City, Calif. Periodical. 516,350, Oct. 18; Serial No. 511,154, published June 14, 1949. Class 38.

Husson Laboratories: *See*—
Husson, William M.
Husson, William M., doing business as Husson Laboratories, St. Augustine, Fla. Strain reliever attachment for fishing lines. 516,632, Oct. 18; Serial No. 517,724. Class 22.
Hydraulic Accessories Company, Detroit, Mich. Hydraulic packing seals. 516,553, Oct. 18; Serial No. 555,413, published June 7, 1949. Class 35.
Independent Cordage Co., Inc., New York, N. Y. Cordage, rope, cord, and twine. 311,908, Apr. 10, 1934. Republished Oct. 18. Class 7.
Industrial Raw Materials Corp., New York, N. Y. Mixture of petroleum wax and resin. 516,527, Oct. 18; Serial No. 552,976, published July 5, 1949. Class 1.
Industrial Raw Materials Corp., New York, N. Y. Petroleum wax. 516,528–9, Oct. 18; Serial Nos. 552,977–8, published July 5, 1949. Class 1.
Industrial Raw Materials Corp., New York, N. Y. Mixture of petroleum wax and resin. 516,530, Oct. 18; Serial No. 552,980, published July 5, 1949. Class 1.
Industrial Synthetics Corporation, Garwood, N. J. Garden hose. 516,611, Oct. 18; Serial No. 553,255, published May 21, 1949. Class 35.
Innoventions, Inc., Paoli, Pa. Tick repellent lotion. 516,592, Oct. 18; Serial No. 559,514, published June 21, 1949. Class 6.
Irwill Knitwear Corp., New York, N. Y. Ladies' and misses' sweaters, playsuits, and bathing suits. 516,649, Oct. 18; Serial No. 550,704. Class 39.
Isaacs, I. C. & Co. Inc., Baltimore, Md. Suits, pants, jackets, riding breeches and jodhpurs. 516,473, Oct. 18; Serial No. 547,458, published June 21, 1949. Class 39.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 516,337, Oct. 18; Serial No. 486,778, published July 5, 1949. Class 46.
Joanna Western Mills Company: *See*—
Western Shade Cloth Company, The.
Jobbers Candy Company, Inc., Bristol, Va. Candy. 516,384, Oct. 18; Serial No. 531,803, published July 5, 1949. Class 46.
Johnston Export Publishing Co., New York, N. Y. Periodical publications. 516,434–5, Oct. 18; Serial Nos. 543,298–9, published July 5, 1949. Class 38.
Jonesville Products Corporation, Jonesville, S. C. Textile diapers. 516,544, Oct. 18; Serial No. 553,864, published July 5, 1949. Class 39.
Joseph Company, The, Chicago, Ill. Women's and children's blouses, sweaters, knitted shirts, etc. 516,634, Oct. 18; Serial No. 519,336. Class 39.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's and boys' topcoats, overcoats, and suits. 516,398, Oct. 18; Serial No. 535,853, published July 5, 1949. Class 39.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. 516,442, Oct. 18; Serial No. 544,092, published June 21, 1949. Class 39.
Journal of Living Publishing Corporation, New York, N. Y. Publication. 516,409, Oct. 18; Serial No. 540,076, published July 6, 1948. Class 38.
Judy-Kay Garment Co., Ltd., Kansas City, Mo. Women's and children's dresses. 516,625, Oct. 18; Serial No. 506,451. Class 39.
Kahn, Jack I., trustee: *See*—
Electronic Laboratories, Inc.
Kallins Blouse & Sportswear Co.: *See*—
Kallins, Edward I.
Kallins, Edward I., doing business as Kallins Blouse & Sportswear Co., New York, N. Y. Blouses; pinafores; and sportswear. 516,627, Oct. 18; Serial No. 510,436. Class 39.
Kay-Brunner Steel Products, Inc., Alhambra, Calif. Machines; hydraulic pumps; and hoists. 340,668, Nov. 17, 1936. Republished Oct. 18. Class 23.
Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. High temperature thermoplastic. 516,531, Oct. 18; Serial No. 552,983, published July 5, 1949. Class 1.
Kem Products Co. Inc., Newark, N. J. Adhesives. 265,306, renewed Dec. 24, 1949. O. G. Oct. 18. Class 6.
Kemper, Merle E., doing business as Sta-Lube Company, St. Louis, Mo., by Laird, Inc., Los Angeles, Calif. Lubricating oils and greases. 315,103, July 17, 1934. Republished Oct. 18. Class 15.
Kenley, Joan, Inc., New York, N. Y. Women's and misses' dresses and blouses. 516,497, Oct. 18; Serial No. 550,517, published June 28, 1949. Class 39.
Kenley, Joan, Inc., New York, N. Y. Women's and misses' blouses and dresses. 516,498, Oct. 18; Serial No. 550,523, published June 28, 1949. Class 39.
Kennedy, David E., Inc., Brooklyn, N. Y. Floor tiles composed of asbestos, thermoplastic resins, plasticisers, etc. 516,419, Oct. 18; Serial No. 541,425, published July 12, 1949. Class 12.
Kennedy, David E., Inc., Brooklyn, N. Y. Coved set-on type of wall base. 516,420, Oct. 18; Serial No. 541,426, published July 12, 1949. Class 12.
Kessler, Jack, doing business as Triangle Mfg. Co. Pajamas, overalls, sleepers, etc. 516,633, Oct. 18; Serial No. 518,892. Class 39.
Kinney, G. R., Co., Inc.: *See*—
Emerson Shoe Manufacturing Company.
Klein Institute for Aptitude Testing, Inc., The, New York, N. Y. Newsletter. 516,610, Oct. 18; Serial No. 563,196, published July 5, 1949. Class 38.
Klimate-Pruf Paint Company, Inc., Greensboro, N. C. Interior and exterior paste and ready-mixed paints, paint enamels, varnishes, etc. 516,415, Oct. 18; Serial No. 540,679, published June 7, 1949. Class 16.
Knobby Coat Co., Inc., New York, N. Y. Women's suits. 516,518, Oct. 18; Serial No. 552,464, published June 21, 1949. Class 39.
Knoxville Publishing Company, Knoxville, Tenn. Newspaper. 516,449, Oct. 18; Serial No. 544,453, published June 14, 1949. Class 38.
Knuth, Harry J., Euclid, Ohio. Liquid preparation for enhancing the appearance of and promoting the growth of foliage plants. 516,650, Oct. 18; Serial No. 551,013. Class 10.
Kohnstamm, R. & A., (London) Inc., New York, N. Y. Leather. 516,519, Oct. 18; Serial No. 552,465, published July 5, 1949. Class 1.
Koppers Company, Inc., Baltimore, Md., and Pittsburgh, Pa. Piston rings. 516,608, Oct. 18; Serial No. 562,941, published June 14, 1949. Class 35.
Korona Spice Corporation: *See*—
Kucsor, Michael P.
Krause Stamping & Mfg. Co., Wheeling, W. Va. Metal thread protectors for pipe; metal protectors for oil well sucker rods; valve plugs and range boiler protector plugs. 516,407, Oct. 18; Serial No. 539,528, published July 5, 1949. Class 13.
Kroop, A. M., & Sons: *See*—
Kroop, Adolph M.
Kroop, Adolph M., trading as A. M. Kroop & Sons, Laurel, Md. Boots, shoes, jodhpurs, etc. 516,437, Oct. 18; Serial No. 543,722, published June 28, 1949. Class 39.
Kucsor, Michael P., to Korona Spice Corporation, New York, N. Y. Paprika. 103,004, Mar. 16, 1915. New certificate. O. G. Oct. 18. Class 46.
Kupper, Julius, Inc., New York, N. Y. Electrical Christmas tree light bulb sets. 516,659, Oct. 18; Serial No. 558,794. Class 21.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. 516,395, Oct. 18; Serial No. 535,644, published June 7, 1949. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. 516,396, Oct. 18; Serial No. 535,561, published June 7, 1949. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamel, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. 516,397, Oct. 18; Serial No. 535,567, published June 7, 1949. Class 16.
Laboratoire Vincent Laboratory Inc., Montreal, Quebec, Canada. Antiseptic. 516,597, Oct. 18; Serial No. 560,764, published June 28, 1949. Class 6.
Laird, Inc.: *See*—
Kemper, Merle E.
La Londe & Clarke, Inc., Rochester, N. Y., by The Green Shoe Manufacturing Co., Boston, Mass. Boots and shoes. 263,745, Nov. 12, 1929. Republished Oct. 18. Class 39.
Lambert Landscape Co., Dallas, Tex. Ready mixed oil paint. 516,667, Oct. 18; Serial No. 521,667. Class 16.
Lamson & Sessions Company, The, Cleveland, Ohio. Bolts, nuts, screws, rivets, and cotter pins. 516,472, Oct. 18; Serial No. 547,353, published July 12, 1949. Class 13.
Landon, Maurice, doing business under the name of Parfums Saint-Cyr, New York, N. Y., and Paris, France. Perfumes, toilet waters, colognes, etc. 443,454, Oct. 18; Serial No. 507,195, published July 12, 1949. Class 6.
Langdon Mfg. Co., Glendale, Calif. Poultry automatic nonfloat fountains. 443,453, Oct. 18; Serial No. 506,534, published July 5, 1949. Class 13.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory bricks, refractory plastics, and refractory cements. 516,516, Oct. 18; Serial No. 552,304, published May 17, 1949. Class 12.
Lee, H. D., Company, Incorporated, The: *See*—
Lee, H. D., Mercantile Co., The.
Lee, H. D., Mercantile Company, The.
Lee, H. D., Mercantile Co., The, Salina, Kans., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Overalls. 111,740, Aug. 1, 1916. Republished Oct. 18. Class 39.
Lee, H. D., Mercantile Co., The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. One-piece work-suits. 120,403, Feb. 5, 1918. Republished Oct. 18. Class 39.
Lee, H. D., Mercantile Company, The, Salina, Kans., and Kansas City, Mo., by The H. D. Lee Company, Incorporated, Kansas City, Mo. Nonalcoholic, noncereal, malt-less beverages. 260,528, Aug. 27, 1929. Republished Oct. 18. Classes 45 and 46.
Lee Uniform Cap Manufacturing Company, Baltimore, Md. Hats and uniform caps. 516,568, Oct. 18; Serial No. 556,455, published July 5, 1949. Class 39.
Lehigh Chemical Products Company: *See*—
Anderson, Robert L.
Lehman Bros. Corp.: *See*—
Lehman Bros., Incorporated.

Lehman Bros., Incorporated, to Lehman Bros. Corp., Jersey City, N. J. Dry,ready-mixed, and paste paints, paint enamels, varnishes, etc. 260,265, renewed Aug. 20, 1949. O. G. Oct. 18. Class 16.
Lehon Company, The, Chicago, Ill. Wall calenders, booklets, folders. 443,462–3, Oct. 18; Serial Nos. 520,740–1, published June 28, 1949. Class 38.
Levinsohn, Sanders A., Inc., New York, N. Y. Men's, boys', and students' suits and overcoats. 516,655, Oct. 18; Serial No. 554,315. Class 39.
Lewis Asphalt Engineering Corporation, New York, N. Y. Asphalt adhesive cement. 516,489, Oct. 18; Serial No. 549,453, published May 17, 1949. Class 12.
Lewis, Florence N., by Elizabeth Arden Sales Corporation, New York, N. Y. Cake face powder. 131,532, May 18, 1920. Republished Oct. 18. Class 6.
Lewis, Florence N., doing business as Elizabeth Arden, by Elizabeth Arden Sales Corporation, New York, N. Y. Rouge and powder. 172,732, Sept. 11, 1923. Republished Oct. 18. Class 6.
Liberty Cherry & Fruit Co., Inc., The, Covington, Ky. Candied or glacé pineapple. 260,286, Aug. 20, 1929. Republished Oct. 18. Class 46.
Life Savers, Inc., Port Chester, N. Y. Candy. 263,410, Nov. 5, 1929. Corrected. O. G. Oct. 18. Class 46.
Lillington Roller Mills, Inc., Lillington, N. C. Wheat flour and self-rising flour. 516,361, Oct. 18; Serial No. 523,557, published June 14, 1949. Class 46.
Litkenhous, Edward E., Nashville, Tenn. Sports analysis column. 516,612, Oct. 18; Serial No. 563,349, published June 14, 1949. Class 38.
Little, A. E., Co.: *See*—
Little, Alexander E.
Little, Alexander E., doing business as A. E. Little Co., Lynn, Mass. Boots and shoes. 443,449, Oct. 18; Serial No. 494,618, published July 5, 1949. Class 39.
Lockwood Hardware Mfg. Co., Fitchburg, Mass. Builder's hardware. 516,399, Oct. 18; Serial No. 537,055, published June 28, 1949. Class 13.
Logsdon, Bernard, Killbuck, Ohio. Ointment. 516,562, Oct. 18; Serial No. 556,109, published May 17, 1949. Class 6.
Manhattan Shirt Company, The, New York, N. Y. Underwear. 268,462, Mar. 18, 1930. Republished Oct. 18. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Knit underwear and cut and sewn underwear, etc. 273,272, July 29, 1930. Republished Oct. 18. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Negligee shirts. 295,412, June 28, 1932. Republished Oct. 18. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Knit underwear and cut and sewn underwear, etc. 305,643, Aug. 22, 1933. Republished Oct. 18. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Handkerchiefs. 328,873, Oct. 8, 1935. Republished Oct. 18. Class 39.
Manne & Weill, Inc., New York, N. Y. Ladies' and children's fabric gloves. 516,585, Oct. 18; Serial No. 558,905, published June 21, 1949. Class 39.
Manteca Canning Company, Manteca, Calif. Canned fruits. 516,352, Oct. 18; Serial No. 515,626, published July 5, 1949. Class 46.
Marblehead Lime Company, Chicago, Ill. Lime used for industrial and construction purposes. 516,411, Oct. 18; Serial No. 540,429, published June 28, 1949. Class 12.
Marshall Field & Company, Chicago, Ill. Men's handkerchiefs, neckties, felt hats, shoes, etc. 516,480, Oct. 18; Serial No. 548,749, published July 5, 1949. Class 39.
Master Electric Company, The, Dayton, Ohio. Clutches other than for use in connection with automobile drive transmissions. 436,375, Apr. 20, 1948. Republished Oct. 18. Class 23.
Maup Drug Company, The: *See*—
Maupin, Joseph E.
Maupin, Joseph E., doing business as The Maup Drug Company, Ashland, Ky. Tonic preparation. 516,475, Oct. 18; Serial No. 547,743, published July 5, 1949. Class 6.
Mavest, Inc., New York, N. Y. Men's, women's, and children's wear, etc. 367,083, May 9, 1939. Republished Oct. 18. Class 39.
Mavrakos Candy Company, St. Louis, Mo. Candy. 516,365, Oct. 18; Serial No. 525,006, published July 5, 1949. Class 46.
May Department Stores Company, The, St. Louis, Mo. Hosiery. 256,181, May 7, 1929. Republished Oct. 18. Class 39.
May Department Stores Company, The, St. Louis, Mo. Aromatic cascara, bay rum, camphorated oil, etc. 262,919, Oct. 29, 1929. Republished Oct. 18. Class 6.
Mayer Co., Inc., The, New York, N. Y. Hosiery. 516,459, Oct. 18; Serial No. 546,307, published June 21, 1949. Class 39.
McAdoo & Allen Welting Company, Quakertown, Pa. Leather shoe welting. 516,401, Oct. 18; Serial No. 537,333, published June 21, 1949. Class 39.
McCrudden, Daniel J., Jr., doing business as Monad Paint & Varnish Co., assignor to Monad Paint & Varnish Co., by Monad Paint & Varnish Co., Philadelphia, Pa. Paints. 263,757, Nov. 12, 1929. Republished Oct. 18. Class 16.
Mengel Company, The, Louisville, Ky. Dressers, bureaus, chests, etc. 429,170, Apr. 22, 1947. Republished Oct. 18. Class 32.
Menley & James, Limited, New York, N. Y. Periodical publication. 516,603, Oct. 18; Serial No. 561,824, published July 5, 1949. Class 38.
Merrill-Clark-Melnig, Inc., New York, N. Y. Leather and fabric gloves. 516,640, Oct. 18; Serial No. 532,317. Class 39.
Michigan Lithographing Company, Grand Rapids, Mich. Magazine. 516,598, Oct. 18; Serial No. 560,911, published July 5, 1949. Class 38.
Middishade Company, Inc., The, Philadelphia, Pa. Men's and young men's suits, coats, vests, trousers, etc. 516,543, Oct. 18; Serial No. 553,501, published July 5, 1949. Class 39.
Middletown Footwear, Inc., Middletown, N. Y. Shoes. 516,488, Oct. 18; Serial No. 548,980, published June 21, 1949. Class 39.
Miller, Arthur B., Seattle, Wash., to C. G. Conn, Ltd., Elkhart, Ind. Piano accordions, chromatic accordions, "German style" accordions, etc. 264,486, renewed Nov. 26, 1949. O. G. Oct. 18. Class 36.
Minneapolis-Moline Company: *See*—
Minneapolis-Moline Power Implement Company.
Minneapolis-Moline Power Implement Company, by Minneapolis-Moline Company, Hopkins, Minn. Tractors. 298,658, May 3, 1932. Republished Oct. 18. Class 23.
Minneapolis-Moline Power Implement Company, by Minneapolis-Moline Company, Hopkins, Minn. Agricultural machinery, implements, and accessories. 328,175, Apr. 2, 1935. Republished Oct. 18. Class 23.
Minnesota Woolen Company, Duluth, Minn. Men's, women's, and children's outer garments. 516,438, Oct. 18; Serial No. 543,729, published June 21, 1949. Class 39.
Mintons Limited, Stoke-on-Trent, England. China and earthenware, cuspidors, etc. 341,918, Dec. 29, 1936. Republished Oct. 18. Class 30.
Mintons Limited, Stoke-on-Trent, England. Porcelain, earthenware, and pottery. 427,236, Feb. 4, 1947. Republished Oct. 18. Class 30.
Missouri Farmers Association, Inc., Columbia, Mo. Gasolines, kerosenes, benzines, distillates, etc. 442,550, Apr. 26, 1949. Republished Oct. 18. Class 15.
Modern Melodies, Inc., Chicago, Ill. Mechanically grooved phonograph records. 516,462, Oct. 18; Serial No. 546,720, published May 31, 1949. Class 36.
Moench, R. G., & Co., Inc., New York, N. Y. Food composition in powdered form, etc. 516,362, Oct. 18; Serial No. 523,705, published July 5, 1949. Class 46.
Monad Paint & Varnish Co.: *See*—
McCrudden, Daniel J., Jr.
Moorman Manufacturing Company, Quincy, Ill. Feed concentrates and mineral feeds. 393,933, Mar. 10, 1942. Republished Oct. 18. Class 46.
Morton Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Medicated laxative chewing gum. 516,451, Oct. 18; Serial No. 544,750, published July 5, 1949. Class 6.
Mossberg, Frank, Company, by Apco Mossberg Company, Attleboro, Mass. Metal reels and metal spools. 73,137, Mar. 16, 1909. Republished Oct. 18. Class 2.
Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Cotton duck. 265,554, renewed Dec. 31, 1949. O. G. Oct. 18. Class 42.
Myers, D., & Sons, Inc., Baltimore, Md. Shoes. 516,630, Oct. 18; Serial No. 511,826. Class 39.
National Cylinder Gas Company, Chicago, Ill. Welding hose. 516,520, Oct. 18; Serial No. 552,481, published May 24, 1949. Class 35.
National Enameling and Stamping Company, Milwaukee, Wis. Bowls, colanders, cuspidors, etc. 125,484, May 20, 1919. Republished Oct. 18. Classes 13 and 23.
National Enameling and Stamping Company, Milwaukee, Wis. Dipper bowls, colanders, cuspidors, etc. 125,752, June 10, 1919. Republished Oct. 18. Classes 13 and 23.
National Enameling and Stamping Company, Milwaukee, Wis. Asparagus-boilers, seamless bowls, Berlin kettles, etc. 129,193, Jan. 27, 1920. Republished Oct. 18. Classes 13 and 23.
National Enameling and Stamping Company, Milwaukee, Wis. Kitchenette sets. 326,747, July 30, 1935. Republished Oct. 18. Class 2.
National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 516,338, Oct. 18; Serial No. 488,662, published July 5, 1949. Class 39.
National Rifle Association of America, Washington, D. C. Pamphlets. 516,346, Oct. 18; Serial No. 509,358, published July 19, 1949. Class 38.
National Rifle Association of America, Washington, D. C. Pamphlets. 516,347, Oct. 18; Serial No. 509,360, published June 21, 1949. Class 38.
National Tea Co.: *See*—
Rasmussen, Geo., Co.
Neptune Mfg. Co., by Frank Bros.-Neptune Mfg. Co., Louisville, Ky. Men's and boys' overcoats and topcoats. 361,498, Oct. 18, 1938. Republished Oct. 18. Class 39.
Nettleton, A. E., Company, Syracuse, N. Y. Men's and young men's leather shoes. 516,495, Oct. 18; Serial No, 550,834, published July 5, 1949. Class 39.
Newland, Schneeloch & Piek, Inc., New York, N. Y. Glass tableware. 516,512, Oct. 18; Serial No. 552,160, published July 5, 1949. Class 33.

Newman, I., & Sons, Incorporated, New Haven, Conn. Corsets. 510,114, May 24, 1949. Corrected. O. G. Oct. 18. Class 39.
New York & New Jersey Lubricant Company, New York, N. Y. Lubricating oils. 516,394, Oct. 18; Serial No. 534,459, published July 5, 1949. Class 15.
Niagara Blower Company, Buffalo, N. Y. Low freezing point liquid. 516,454, Oct. 18; Serial No. 545,519, published July 12, 1949. Class 6.
Nootbaar, H. V., & Co.: *See*—
Nootbaar, Herbert V.
Nootbaar, Herbert V., doing business as H. V. Nootbaar & Co., Pasadena, Calif. Peat moss. 516,509, Oct. 18; Serial No. 551,998, published July 5, 1949. Class 1.
Northern Blower Company, by Northern Blower Company, Cleveland, Ohio. Dust collectors. 233,317, Sept. 27, 1927. Republished Oct. 18. Class 23.
Northwest Popcorn & Seed Co., Delaware, Ohio. Pop corn. 516,629, Oct. 18; Serial No. 511,493. Class 46.
Nu-Maid Hosiery Mills, Inc., Darby, Pa. Women's hosiery. 516,505, Oct. 18; Serial No. 551,727, published July 5, 1949. Class 39.
Nutren Products, Limited, Windsor, Ontario, Canada. Iron capsules. 516,590, Oct. 18; Serial No. 559,237, published June 28, 1949. Class 6.
Oakite Products, Inc., New York, N. Y. Chemical compounds for all cleansing and washing purposes. 429,366, Apr. 29, 1947. Republished Oct. 18. Classes 4 and 6.
Oakite Products, Inc., New York, N. Y. Industrial cleaning preparations. 429,592, May 6, 1947. Republished Oct. 18. Class 4.
O'Brien Corporation, The: *See*—
O'Brien Varnish Company.
O'Brien, Harry E., Indianapolis, Ind. Reed mouthpieces. 516,542, Oct. 18; Serial No. 553,391, published June 7, 1949. Class 36.
O'Brien Varnish Company, South Bend, Ind., now by change of name The O'Brien Corporation. Ready mixed paint; paint enamels; paint enamel undercoats, etc. 516,355, Oct. 18; Serial No. 517,794, published June 21, 1949. Class 16.
Omox Chemical Co.: *See*—
Quartararo, Vincent.
Opportunity Publishing Company, Chicago, Ill. Publication. 330,120, Nov. 19, 1935. Amended. O. G. Oct. 18. Class 38.
Ordway, A. P. & Co., New York, N. Y. Sulphur soap. 516,644–5, Oct. 18; Serial Nos. 538,806–7. Class 4.
Organon Inc.: *See*—
Roche-Organon Inc.
Ovsianico, Gregoire, Paris, France. Coats, hats, suits, etc. 443,452, Oct. 18; Serial No. 505,912, published June 14, 1949. Class 39.
Paraffine Companies, Inc., The, San Francisco, Calif. Chemical compositions for impregnating and preserving wood; and denatured alcohol. 516,501, Oct. 18; Serial No. 550,933, published July 5, 1949. Class 6.
Paramount Famous Lasky Corporation, to Paramount Pictures Inc., New York, N. Y. Motion-picture photoplays. 264,067, renewed Nov. 19, 1949. O. G. Oct. 18. Class 26.
Paramount Famous Lasky Corp., to Paramount Pictures Inc., New York, N. Y. Motion picture photoplays. 264,952, renewed Dec. 10, 1949. O. G. Oct. 18. Class 26.
Paramount Pictures Inc.: *See*—
Paramount Famous Lasky Corp.
Paramount Famous Lasky Corporation.
Parfumerie & Savonnerie Gilot, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, and lipstick. 516,626, Oct. 18; Serial No. 508,236. Class 6.
Parfums Saint-Cyr.: *See*—
Landon, Maurice.
Parrish Brothers, Incorporated, Baltimore, Md. Pepper, spices and tapioca. 76,185, re-renewed Dec. 21, 1949. O. G. Oct. 18. Class 46.
Perey Manufacturing Company, Inc., New York, N. Y. Combination turnstiles and registering fare boxes. 287,761, Oct. 6, 1931. Republished Oct. 18. Class 26.
Perey Manufacturing Company, Inc., New York, N. Y. Turnstiles and like passage-controlling gates of the rotary type. 309,247, Jan. 9, 1934. Republished Oct. 18. Class 23.
Peres, A. R., Manufacturing Company: *See*—
Peres, Albert R.
Peres, Albert R., doing business as A. R. Peres Manufacturing Company, San Antonio, Tex. Dresses. 516,556, Oct. 18; Serial No. 555,691, published June 28, 1949. Class 39.
Perfect Circle Company, The: *See*—
Perfect Circle Corporation.
Perfect Circle Corporation, Hagerstown, Ind., by change of name from The Perfect Circle Company. Bearing adjusters. 516,348, Oct. 18; Serial No. 509,595, published June 14, 1949. Class 35.
Pessl, Helene Inc., New York, N. Y. Toilet water, hand lotion, bubble bath, dusting powder, and lipstick pomade. 516,653, Oct. 18; Serial No. 554,252. Class 6.
Pfister & Vogel Leather Company, to Pfister & Vogel Tanning Company, Milwaukee, Wis. All kinds of leather. 73,382, re-renewed Oct. 19, 1949. O. G. Oct. 18. Class 1.
Pfister Vogel Tanning Company: *See*—
Pfister & Vogel Leather Company.
Pharma-Craft Corporation, The, New York, N. Y. Hair tonic. 516,600, Oct. 18; Serial No. 561,140, published July 5, 1949. Class 6.
Phillips Petroleum Company, Bartlesville, Okla. Gasoline, lubricating motor oils, grease compounds, etc. 516,410, Oct. 18; Serial No. 540,201, published July 12, 1949. Class 15.
Phillips Petroleum Company, Bartlesville, Okla. Gasoline, lubricating motor oils, grease, kerosene, tractor fuel oil, etc. 516,425, Oct. 18; Serial No. 542,161, published July 12, 1949. Class 15.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid paint enamels. 516,444, Oct. 18; Serial No. 544,281, published June 7, 1949. Class 16.
Plastic Products Company, Detroit, Mich. Glazing compound. 516,412, Oct. 18; Serial No. 540,453, published June 28, 1949. Class 12.
Poirette Corsets, Inc., New York, N. Y. Corsets and girdles. 516,646, Oct. 18; Serial No. 544,385. Class 39.
Poor & Company, Chicago, Ill. Abrasive bars for buffing and polishing metal surfaces. 516,618, Oct. 18; Serial No. 564,897, published July 5, 1949. Class 4.
Pratt-Low Preserving Company, Santa Clara, Calif. Canned fruits and vegetables. 443,464, Oct. 18; Serial No. 521,407, published July 5, 1949. Class 46.
Prestige, Incorporated, assignor to Reconstruction Finance Corporation, Philadelphia, Pa. Pajamas, men's shorts, and polo shirts. 516,374, Oct. 18; Serial No. 528,733, published June 21, 1949. Class 39.
Prest-O-Lite Storage Battery Corporation, Speedway, Ind., to Ford Motor Company, Dearborn, Mich. Storage batteries. 261,103, renewed Sept. 3, 1949. O. G. Oct. 18. Class 21.
Processed Surfaces, Inc., New York, N. Y. Coating composition. 516,570, Oct. 18; Serial No. 557,064, published July 12, 1949. Class 6.
Procter & Gamble Company, The: *See*—
Falkingham, Percival E.
Pulitzer, Ben, New York, N. Y. Neckties. 516,445, Oct. 18; Serial No. 544,282, published June 21, 1949. Class 39.
Quartararo, Vincent, doing business under the name Omox Chemical Co., Brooklyn, N. Y. Combination liquid laundry preparation. 262,778, Oct. 22, 1929. Republished Oct. 18. Class 6.
Race & Race, Inc., Winter Haven, Fla. Aluminum ladders. 516,494, Oct. 18; Serial No. 550,072, published June 21, 1949. Class 50.
Rainier Pulp & Paper Company, San Francisco, Calif., by Rayonier Incorporated, New York, N. Y. Wood pulp. 322,481, Mar. 5, 1935. Republished Oct. 18. Class 1.
Ramsey Corporation, Dover, Del., and St. Louis, Mo. Piston rings, inner rings for piston rings. 516,548, Oct. 18; Serial No. 554,412, published June 21, 1949. Class 35.
Rasmussen, Geo., Co., to National Tea Co., Chicago, Ill. Cookies, canned vegetables, evaporated milk, etc. 264,729, renewed Dec. 3, 1949. O. G. Oct. 18. Class 46.
Rasmussen, Geo., Co., to National Tea Co., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 265,435, renewed Dec. 24, 1949. O. G. Oct. 18. Class 45.
Raybestos-Manhattan, Inc., Passaic, N. J. Rivets. 516,554, Oct. 18; Serial No. 555,562, published June 28, 1949. Class 13.
Rayonier Incorporated: *See*—
Rainier Pulp & Paper Company.
Rayonier Incorporated, New York, N. Y. Wood pulp. 397,557, Sept. 8, 1942. Republished Oct. 18. Class 1.
Realistings Corporation, Washington, D. C. Periodical publication. 516,385, Oct. 18; Serial No. 531,843, published June 21, 1949. Class 38.
Reconstruction Finance Corporation: *See*—
Prestige, Incorporated.
Reliance Gauge Column Company, The, Cleveland, Ohio. Steam boiler fittings and furnishings. 516,550, Oct. 18; Serial No. 555,017, published June 28, 1949. Class 13.
Republic Paint & Varnish Co., Chicago, Ill. Water-mixed, washable, quick drying emulsified resin paints, and ready-mixed paints. 516,421, Oct. 18; Serial No. 541,451, published June 27, 1949. Class 16.
Republic Paint & Varnish Co., Chicago, Ill. Utility paint and asphalt base aluminum paint. 516,422, Oct. 18; Serial No. 541,453, published June 27, 1949. Class 16.
Republic Paint & Varnish Co., Chicago, Ill. Floor surface coating in the nature of varnish. 516,423, Oct. 18; Serial No. 541,460, published June 7, 1949. Class 16.
Republic Stamping and Enameling Company, The, Canton, Ohio. Base metal cooking, kitchen, household and hospital ware. 516,354, Oct. 18; Serial No. 517,663, published July 5, 1949. Class 13.
Republic Steel Corporation: *See*—
Canton Culvert Company, The.
Corrigan, McKinney Steel Company, The.
Stark Rolling Mill Company, The.
Rexall Drug Company: *See*—
United Drug Company.
Richardson, Corporation, Rochester, N. Y. Crushed and whole fruits and nuts. 516,388, Oct. 18; Serial No. 532,753, published July 5, 1949. Class 46.

Richfield Oil Company, by Richfield Oil Corporation, Los Angeles, Calif. Gasoline. 201,308, July 21, 1925. Republished Oct. 18. Class 15.
Richfield Oil Company, by Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils. 203,663, Sept. 22, 1925. Republished Oct. 18. Class 15.
Richfield Oil Corporation: *See*—
Richfield Oil Company.
Ricky Ties, Inc., Washington, D. C. Four-in-hand neckties and bow-ties for men, young men, and boys. 516,552, Oct. 18; Serial No. 555,200, published July 5, 1949. Class 39.
Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.
Robbins Tire and Rubber Company, Inc., Tuscumbia, Ala. Inner tubes for pneumatic tires. 443,459–60, Oct. 18; Serial Nos. 516,217–18, published Nov. 16, 1948. Class 35.
Roche-Organon Inc., Nutley, N. J., now by change of name Organon Inc., Nutley, N. J. Antiseptic solution. 516,588, Oct. 18; Serial No. 559,120, published June 28, 1949. Class 6.
Roe, William G., by William G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 259,466, July 30, 1929. Republished Oct. 18. Class 46.
Roe, William G., & Sons: *See*—
Roe, William G.
Roessler & Hasslacher Chemical Co., The, New York, N. Y., by E. I. du Pont de Nemours and Company, Wilmington, Del. Bleaching fluid. 75,545, Oct. 12, 1909. Republished Oct. 18. Class 6.
Rollman & Sons Co., The, Cincinnati, Ohio. Men's, women's, boys' and girls' bathing suits, gloves, etc. 516,393, Oct. 18; Serial No. 533,924, published July 5, 1949. Class 39.
Rosenbols, J., Inc.: *See*—
Susquehanna Silk Mills.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 516,446, Oct. 18; Serial No. 544,292, published June 21, 1949. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 516,447, Oct. 18; Serial No. 544,295, published June 21, 1949. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. 516,448, Oct. 18; Serial No. 544,297, published June 21, 1949. Class 39
Royce Chemical Company, Carlton Hill, N. J. Solubilized insoluble natural gum. 516,383, Oct. 18; Serial No. 530,773, published June 28, 1949. Class 6.
Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 259,182, renewed July 23, 1949. O. G. Oct. 18. Class 23.
Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 259,184, renewed July 23, 1949. O. G. Oct. 18. Class 23.
S. & L. Belt Co., Inc., New York, N. Y. Apparel belts. 516,476, Oct. 18; Serial No. 548,103, published June 21, 1949. Class 39.
Saffer, Bob, doing business as Tru-Blue Record Co., New York, N. Y. Mechanically grooved phonograph records. 516,566, Oct. 18; Serial No. 556,375, published June 14, 1949. Class 36.
Salazar, Lucila, doing business as Hidalgo Pharmacy, Los Angeles, Calif. Medicinal wine tonic. 516,571, Oct. 18; Serial No. 557,157, published July 12, 1949. Class 6.
Sales Management, Inc., New York, N. Y. Trade magazines and publications. 516,406, Oct. 18; Serial No. 539,352, published June 28, 1949. Class 38.
Salfair, New York, N. Y. Women's and girls' felt hats. 443,467, Oct. 18; Serial No. 525,688, published July 5, 1949. Class 39.
Savannah Sugar Refining Corporation, Savannah, Ga. Sugar. 260,125, renewed Aug. 20, 1949. O. G. Oct. 18. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Toilet soap. 354,277, Feb. 8, 1938. Republished Oct. 18. Class 4.
Sears, Roebuck and Co., Chicago, Ill. Duplicating devices. 367,751, May 30, 1939. Republished Oct. 18. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Cleansing tissues. 371,644, Oct. 3, 1939. Republished Oct. 18. Class 37.
Sears, Roebuck and Co., Chicago, Ill. Body deodorant. 391,173, Oct. 28, 1941. Republished Oct. 18. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Vitamin capsules. 400,461, Mar. 9, 1943. Republished Oct. 18. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Sewing machine belts. 516,499, Oct. 18; Serial No. 550,619, published May 10, 1949. Class 35.
Seaside Oil Company, Santa Barbara, Calif. Motor oil. 516,563, Oct. 18; Serial No. 556,135, published July 5, 1949. Class 15.
Selberling Rubber Company, Barberton, Ohio. Rubber tire casings. 516,616, Oct. 18; Serial No. 564,220, published July 12, 1949. Class 35.
Seidlitz Paint & Varnish Co., Kansas City, Mo. Paints. 516,641, Oct. 18; Serial No. 536,147. Class 16.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. 516,524, Oct. 18; Serial No. 552,813, published June 28, 1949. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, anesthetic, and sleep-producing preparation. 516,574, Oct. 18; Serial No. 557,233, published June 21, 1949. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antacid. 516,579, Oct. 18; Serial No. 558,520, published June 28, 1949. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Bronchial medicament. 516,580, Oct. 18; Serial No. 558,521, published June 28, 1949. Class 6.
Shaw, H. E., Company, Worcester, Mass. Soaps and dry cleansing fluids. 516,591, Oct. 18; Serial No. 559,456, published July 5, 1949. Class 4.
Sherman Bows: *See*—
Sherman, Sol.
Sherman, Sol, doing business as Sherman Bows, New York, N. Y. Bow ties. 516,564, Oct. 18; Serial No. 556,146, published July 5, 1949. Class 39.
Sherman, Sol, doing business under the name and style of Sherman Bows, New York, N. Y. Neckties. 516,647, Oct. 18; Serial No. 547,286. Class 39.
Shilin, Abe: *See*—
Holly Mills Company.
Smith, D. B., & Company, Inc., Utica, N. Y. Preparation for killing flies and germs and insecticide. 264,826, renewed Dec. 10, 1949. O. G. Oct. 18. Class 6.
Smokehouses, Inc., Houston, Tex. Sandwiches. 516,363, Oct. 18; Serial No. 523,727, published July 5, 1949. Class 46.
Smyrna Imports Co. Inc., New York, N. Y. Dates. 442,860, June 7, 1949. Republished Oct. 18. Class 46.
Societe Anonyme Omnium de Specialites & Produits Chimiques, to Societe de Therapie Bio Chimique societe Anonyme, Paris, France. Preparation in tablet form for regulating the biliary and intestinal secretions. 208,029, renewed Jan. 19, 1946. O. G. Oct. 18. Class 6.
Societe de Therapie Bio Chimique Societe Anonyme: *See*—
Societe Anonyme Omnium de Specialites & Produits Chimiques.
Sofrance, Saul, also known as Sol Sofrance, doing business as Wonderfull Brand Products, Chicago, Ill. Canned vegetables, canned shrimp, and tomato catsup. 263,370, renewed Nov. 5, 1949. O. G. Oct. 18. Class 46.
Sofrance, Sol: *See*—
Sofrance, Saul.
Solar Corporation, Milwaukee, Wis. Electric storage batteries. 516,642, Oct. 18; Serial No. 536,455. Class 21.
Solomon, A., New Orleans, La. Clothing for men, students, and boys. 516,486, Oct. 18; Serial No. 549,184, published June 21, 1949. Class 39.
Squire, Jack, Inc., New York, N. Y. Ladies' dresses. 516,654, Oct. 18; Serial No. 554,267. Class 39.
Stalker Manufacturing Company, Inc., New York, N. Y., by The Martin Dennis Company, Newark, N. J. Saddle soap. 390,810, Oct. 7, 1941. Republished Oct. 18. Class 4.
Sta-Lube Company: *See*—
Kemper, Merle E.
Stampfl, Walter J., Jamaica, N. Y. Pamphlets. 516,493, Oct. 18; Serial No. 549,983, published June 21, 1949. Class 38.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Refined, semirefined, and unrefined oils. 261,793–4, renewed Sept. 24, 1949. O. G. Oct. 18. Class 15.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Insecticides, deodorants, and disinfectants. 265,142–4, renewed Dec. 17, 1949. O. G. Oct. 18. Class 6.
Stanco Incorporated, to Esso Standard Oil Company, New York, N. Y. Insecticides. 265,369, renewed Dec. 24, 1949. O. G. Oct. 18. Class 6.
Standard Clay Products Company, Inc., Philadelphia, Pa. Fire bricks. 516,431, Oct. 18; Serial No. 543,281, published June 21, 1949. Class 12.
Standard Clay Products Company, Inc., Philadelphia, Pa. Fire bricks. 516,432, Oct. 18; Serial No. 543,233, published June 21, 1949. Class 12.
Standard Laboratories, Inc., New York, N. Y. Antacid preparation. 516,547, Oct. 18; Serial No. 554,168, published June 28, 1949. Class 6.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Flushing oil, road oil, lubricating oil and greases. 516,500, Oct. 18; Serial No. 550,839, published July 12, 1949. Class 15.
Stanley, John T., Co., Inc., New York, N. Y. Soap. 258,944, renewed July 16, 1949. O. G. Oct. 18. Class 4.
Stanley, John T., Co., Inc., New York, N. Y. Canvas-belt conveyors. 260,467, renewed Aug. 27, 1949. O. G. Oct. 18. Class 35.
Stannard, Gerard L., New York, N. Y. Magazines. 443,458, Oct. 18; Serial No. 515,101, published June 14, 1949. Class 38.
Staples Grocery Company, Inc., The, Richmond, Va. Condiments. 211,134, Apr. 6, 1926. Amended. O. G. Oct. 18. Class 46.
Stark Rolling Mill Company, The, Canton, to Republic Steel Corporation, Cleveland, Ohio. Sheet metal. 74,162, re-renewed June 22, 1949. O. G. Oct. 18. Class 14.
Stearns-McKay Manufacturing Company, Boston, Mass. Ready-mixed anti-fouling compositions or paints. 516,368, Oct. 18; Serial No. 528,150, published June 7, 1949. Class 16.
Steadfast Rubber Company, by Steadfast Rubber Co. Inc., Mattapan, Mass. Artificial leather. 253,986, Mar. 12, 1929. Republished Oct. 18. Class 50.

Stedfast Rubber Company, by Stedfast Rubber Company, Inc., Mattapan, Mass. Artificial leather. 262,504, Oct. 15, 1929. Republished Oct. 18. Class 50.
Stedfast Rubber Co. Inc.: *See*—
Stedfast Rubber Company.
Stedfast Rubber Company, Inc.: *See*—
Stedfast Rubber Company.
Steel Publications, Inc., Pittsburgh, Pa. Section in a periodical. 516,617, Oct. 18; Serial No. 564,790, published June 28, 1949. Class 38.
Steinam, A., Company, Inc., New York, N. Y. Piece goods. 423,469, Sept. 3, 1946. Republished Oct. 18. Class 42.
Stern & Herff Corp., New York, N. Y. Children's coats and snow suits. 516,510, Oct. 18; Serial No. 552,016, published July 5, 1949. Class 39.
Stockham, Edward V., Inc., Havre de Grace, Md. Tomato catsup, canned tomato concentrate, canned pork and beans, etc. 265,374, renewed Dec. 24, 1949. O. G. Oct. 18. Class 46.
Strauss, Levi, & Company, San Francisco, Calif. Men's, women's, and children's overalls and jackets. 516,561, Oct. 18; Serial No. 556,108, published July 5, 1949. Class 39.
Street & Smith Publications, Inc., New York, N. Y. Periodical publication. 443,465, Oct. 18; Serial No. 522,809, published Aug. 17, 1948. Class 38.
Sun Chemical Corporation, New York, N. Y. Paints. 443,461, Oct. 18; Serial No. 519,843, published July 12, 1949. Class 16.
Sun Oil Company, Philadelphia, Pa. Lubricating oil. 516,583, Oct. 18; Serial No. 558,822, published July 12, 1949. Class 15.
Superior Togs Corp., New York, N. Y. Boys' and girls' pajamas and night gowns. 516,513, Oct. 18; Serial No. 552,179, published July 5, 1949. Class 39.
Susquehanna Silk Mills, to J. Rosenhols, Inc., New York, N. Y. Silk piece goods. 265,948, renewed Jan. 7, 1950. O. G. Oct. 18. Class 42.
Sutton Manufacturers, Inc., Miami, Fla. Doors, wall and ceiling paneling. 516,558, Oct. 18; Serial No. 555,848, published May 17, 1949. Class 12.
Tomkins Brothers, Newark, N. J. Refractory brick. 516,587, Oct. 18; Serial No. 559,070, published July 12, 1949. Class 12.
Toni Company, The, St. Paul, Minn. Shampoo. 516,594, Oct. 18; Serial No. 559,982, published July 12, 1949. Class 4.
Ton-Tex Corporation, Grand Rapids, Mich. Transmission and conveyor belting. 516,436, Oct. 18; Serial No. 543,365, published May 31, 1949. Class 35.
Tregilgas, Harold R., South St. Paul, Minn. Insulated concrete building block. 516,573, Oct. 18; Serial No. 557,228, published June 21, 1949. Class 12.
Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound for use as a putty substitute. 516,424, Oct. 18; Serial No. 541,608, published July 12, 1949. Class 12.
Triangle Mfg. Co.: *See*—
Kessler, Jack.
Tricamp Corporation, Lawrence, Mass. Hosiery. 402,523, July 27, 1943. Republished Oct. 18. Class 39.
Troup Whitehead, doing business under the name of Your Uncle Dudley, San Antonio, Tex. Hair dye. 516,371, Oct. 18; Serial No. 528,390, published July 12, 1949. Class 6.
Tru-Blue Record Co.: *See*—
Saffer, Bob.
Tyler, Frank R., Richmond, Va., to Altone Chemical Company, Inc., New Orleans, La. Tooth powder and paste. 73,653, re-renewed May 4, 1949. O. G. Oct. 18. Class 6.
Ungar, David, Corp., New York, N. Y. Leather tape and stripping. 516,521, Oct. 18; Serial No. 552,519, published July 5, 1949. Class 1.
United-Carr Fastener Corporation, Cambridge, Mass. Snap fasteners. 516,339, Oct. 18; Serial No. 497,891, published May 24, 1949. Class 40.
United-Carr Fastener Corporation, Cambridge, Mass. Fasteners, connectors, and attaching devices. 516,340, Oct. 18; Serial No. 497,893, published June 28, 1949. Class 13.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Ointment. 260,150, renewed Aug. 20, 1949. O. G. Oct. 18. Class 6.
United Mills Corporation, Mt. Gilead, N. C. Men's pajamas, shorts and underwear, ladies' slips, etc. 516,557, Oct. 18; Serial No. 555,710, published June 14, 1949. Class 39.
United States Rubber Company, New York, N. Y. Pliant synthetic plastic sheeting. 516,344, Oct. 18; Serial No. 501,424, published Oct. 19, 1948. Class 50.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 516,545, Oct. 18; Serial No. 553,928, published July 12, 1949. Class 6.
Vacher, E. W., to Altone Chemical Company, Inc., New Orleans, La. Remedy. 74,331, re-renewed July 6, 1949. O. G. Oct. 18. Class 6.
Vane-Calvert Paint Company, St. Louis, Mo. Ready mixed oil paints, varnishes, varnish stains, oil stains, etc. 516,443, Oct. 18; Serial No. 544,132, published June 7, 1949. Class 16.
Vaughan Novelty Mfg. Co., Chicago, Ill. Combined can opener and corkscrew. 260,572, renewed Aug. 27, 1949. O. G. Oct. 18. Class 23.
Veralin, Inc.: *See*—
Consolidated Cosmetics.
Victor Chemical Works, Chicago, Ill. Ammonium phosphate. 516,373, Oct. 18; Serial No. 528,535, published June 28, 1949. Class 6.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets and parts therefor. 516,525, Oct. 18; Serial No. 552,905, published May 24, 1949. Class 35.
Vinick, Nell, New York, N. Y. Magazine articles, etc. 516,604, Oct. 18; Serial No. 561,600, published July 5, 1949. Class 38.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Anisette. 373,203, Nov. 28, 1939. Republished Oct. 18. Class 49.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Liqueur. 376,909, Apr. 9, 1940. Republished Oct. 18. Class 49.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, and pajamas. 516,416, Oct. 18; Serial No. 540,745, published June 21, 1949. Class 39.
Ware Shoals Manufacturing Company, Ware Shoals, S. C., and New York, N. Y., by Riegel Textile Corporation, New York, N. Y. Cotton sheets, cotton pillowcases, cotton handkerchiefs, etc. 259,620, Aug. 6, 1929. Republished Oct. 18. Classes 39 and 42.
Watson, Thomas T., doing business under the name of Chemical Compounding Co., Chicago, Ill. Cleaning compounds. 516,390, Oct. 18; Serial No. 533,088, published July 12, 1949. Class 4.
Weber and Heilbroner, Inc., to Weber and Heilbroner, Inc., New York, N. Y. Women's hats. 264,669, renewed Dec. 3, 1949. O. G. Oct. 18. Class 39.
Weissman, Fred P., Co., Harrodsburg, Ky. Boys', girls' and children's coats and suits. 443,456, Oct. 18; Serial No. 513,082, published June 28, 1949. Class 39.
Wells Lamont Corporation, Chicago, Ill. Work gloves. 516,575, Oct. 18; Serial No. 557,570, published June 21, 1949. Class 39.
Western Shade Cloth Company, The, to Joanna Western Mills Company, Chicago, Ill. Window shades and shade rollers. 251,477–9, renewed Jan. 8, 1949. O. G. Oct. 18. Class 32.
Western Shade Cloth Company, The, to Joanna Western Mills Company, Chicago, Ill. Window shades. 251,809, renewed Jan. 15, 1949. O. G. Oct. 18. Class 32.
West Virginia Pulp and Paper Company, New York, N. Y. Filtering, clarifying, and decolorizing carbons. 516,615, Oct. 18; Serial No. 564,077, published July 12, 1949. Class 6.
White-Geriat Company, Racine, Wis. Electrically operated vibrato producing attachments for musical instruments. 516,349, Oct. 18; Serial No. 510,412, published May 10, 1949. Class 36.
Wiener, Ben, and Bro., New York, N. Y. Boys' suits and overcoats. 516,507, Oct. 18; Serial No. 551,926, published June 28, 1949. Class 39.
Wiener, Ben, and Bro., New York, N. Y. Boys' and men's coats, vests, trousers, etc. 516,508, Oct. 18; Serial No. 551,928, published June 28, 1949. Class 39.
Williams, Arthur A., Holliston, Mass. Leather shoes. 260,271, renewed Aug. 20, 1949. O. G. Oct. 18. Class 39.
Williams, Arthur A., Holliston, Mass. Leather boots and shoes. 345,820, May 11, 1937. Republished Oct. 18. Class 39.
Winston Lamp Manufacturing Company, Philadelphia, Pa. Electric lamps and electric lamp bases. 516,624, Oct. 18; Serial No. 501,489. Class 21.
Winter & Company, Inc., New York, N. Y. Pianos. 516,536, Oct. 18; Serial No. 553,160, published July 5, 1949. Class 36.
Wonderfull Brand Products: *See*—
Sofrance, Saul.
Woodrow Stores, Inc., New York, N. Y. Men's and boys' hats, coats, suits, etc. 516,426, Oct. 18; Serial No. 542,709, published June 21, 1949. Class 39.
Woodrow Stores, Inc., New York, N. Y. Men's and boys' hats, coats, suits, etc. 516,427, Oct. 18; Serial No. 542,712, published June 21, 1949. Class 39.
Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Marine paints. 516,532, Oct. 18; Serial No. 553,043, published July 12, 1949. Class 16.
Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Ready-mixed paints and paint thinner or solvent. 516,533, Oct. 18; Serial No. 553,044, published June 7, 1949. Class 16.
Wyeth Company, St. Joseph, Mo. Motor oils and separator oils. 516,455, Oct. 18; Serial No. 545,572, published July 12, 1949. Class 15.
Yankee Polish Co. Inc., New York, N. Y. Polishes and dressings for cleaning and polishing. 261,223, Sept. 10, 1929. Republished Oct. 18. Class 16.
Yauman, Mary L., doing business as The E & B Products Company, Youngstown, Ohio. Hand lotions. 516,400, Oct. 18; Serial No. 537,270, published June 28, 1949. Class 6.
Young Classics, Inc., New York, N. Y. Infants', girls', and ladies' coats. 516,463, Oct. 18; Serial No. 547,092, published June 28, 1949. Class 39.
Young Radiator Company, Racine, Wis. Air conditioning and ventilating units. 402,503, July 27, 1943. Republished Oct. 18. Class 34.
Your Uncle Dudley: *See*—
Troup Whitehead.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Hart Coal Corporation. 210,830, Mar. 28, 1926. Republished Oct. 18.
Coke. The Corrigan, McKinney Steel Company. 264,785, renewed Dec. 3, 1949. O. G. Oct. 18.
Fuel, Composition. R. T. Collier Corporation. 516,382, Oct. 18; Serial No. 530,172, published July 5, 1949.
Leather. Eastmor Leather Co., Inc. 516,517, Oct. 18; Serial No. 552,442, published July 5, 1949.
Leather. R. & A. Kohnstamm (London) Inc. 516,519, Oct. 18; Serial No. 552,465, published July 5, 1949.
Leather, All kinds of. Pfister & Vogel Leather Company. 75,582, re-renewed Oct. 19, 1949. O. G. Oct. 18.
Leather tape and stripping. David Ungar Corp. 516,521, Oct. 18; Serial No. 552,519, published July 5, 1949.
Paper, Waste, old newspapers, and over-issue newspapers put up in bales. Thomas Howard Doolan, Inc. 516,523, Oct. 18; Serial No. 552,755, published July 5, 1949.
Peat moss. H. V. Nootbaar. 516,509, Oct. 18; Serial No. 551,998, published July 5, 1949.
Pulp, Wood. Rainier Pulp & Paper Company. 322,481, Mar. 5, 1935. Republished Oct. 18.
Pulp, Wood. Rayonier Incorporated. 397,557, Sept. 8, 1942. Republished Oct. 18.
Resin. Hercules Powder Company. 516,541, Oct. 18; Serial No. 553,197, published July 5, 1949.
Thermoplastic, High temperature. The M. W. Kellogg Company. 516,531, Oct. 18; Serial No. 552,983, published July 5, 1949.
Timothy-seed. The Albert Dickinson Company. 20,030, Aug. 18, 1891. Republished Oct. 18.
Wax and resin, Mixture of petroleum. Industrial Raw Materials Corp. 516,527, Oct. 18; Serial No. 552,976, published July 5, 1949.
Wax and resin, Mixture of petroleum. Industrial Raw Materials Corp. 516,530, Oct. 18; Serial No. 552,980, published July 5, 1949.
Wax, Petroleum. Industrial Raw Materials Corp. 516,528–9, Oct. 18; Serial Nos. 552,977–8, published July 5, 1949.

CLASS 2

Kitchenette sets. National Enameling and Stamping Company. 326,747, July 30, 1935. Republished Oct. 18.
Reels, Metal, and metal spools. Frank Mossberg Company. 73,137, Mar. 16, 1909. Republished Oct. 18.
Urns for the ashes of the dead. California Crematorium. 370,682, Sept. 5, 1939. Republished Oct. 18.

CLASS 4

Abrasive bars for buffing and polishing metal surfaces. Poor & Company. 516,618, Oct. 18; Serial No. 564,897, published July 5, 1949.
Chemical compounds for all cleansing and washing purposes. Oakite Products, Inc. 429,366, Apr. 29, 1947. Republished Oct. 18.
Chemical preparation for use as a cleanser and water softener. The Diversey Corporation. 516,351, Oct. 18; Serial No. 513,813, published May 4, 1948.
Cleaning and scouring preparation. Fitzpatrick Bros., Inc. 516,584, Oct. 18; Serial No. 558,880, published July 5, 1949.
Cleaning compounds. T. T. Watson. 516,390, Oct. 18; Serial No. 533,088, published July 12, 1949.
Cleaning materials for fabrics and leather; shoe polishes; shoe blacking, etc. Griffin Manufacturing Company, Inc. 516,468, Oct. 18; Serial No. 547,334, published July 12, 1949.
Cleaning preparation, Dry. Griffin Manufacturing Company, Inc. 516,471, Oct. 18; Serial No. 547,339, published July 12, 1949.
Cleaning preparations, Industrial. Oakite Products, Inc. 429,592, May 6, 1947. Republished Oct. 18.
Detergent, Synthetic. R. L. Anderson. 516,619, Oct. 18; Serial No. 565,467, published July 12, 1949.
Detergent, Synthetic. E. F. Drew & Co., Inc. 516,559, Oct. 18; Serial No. 555,999, published July 5, 1949.
Oil for softening or fat-liquoring leather. The Martin Dennis Company. 275,350, Sept. 28, 1930. Republished Oct. 18.
Preparation for cleaning toilet bowls. W. H. D. Hornaday, Jr. 516,593, Oct. 18; Serial No. 559,708, published July 5, 1949.
Preparation for refinishing and polishing leather shoes, Liquid. Griffin Manufacturing Company, Inc. 516,474, Oct. 18; Serial No. 547,628, published July 12, 1949.
Preparation in liquid, cream, and paste form for cleaning and polishing shoes. Griffin Manufacturing Company, Inc. 516,469–70, Oct. 18; Serial Nos. 547,336–7, published July 12, 1949.
Shampoo. The Toni Company. 516,594, Oct. 18; Serial No. 559,982, published July 12, 1949.
Shaving cream, Preparatory. A. Galanter. 516,581, Oct. 18; Serial No. 558,646, published July 5, 1949.
Soap, John T. Stanley Co., Inc. 258,944, renewed July 16, 1949. O. G. Oct. 18.
Soap; general cleanser. Clover Farm Stores Corporation. 516,606, Oct. 18; Serial No. 562,767, published July 5, 1949.
Soap, Saddle. Stalker Manufacturing Company, Inc. 390,810, Oct. 7, 1941. Republished Oct. 18.
Soap, Sulphur. A. P. Ordway & Co. 516,644–5, Oct. 18; Serial Nos. 538,806–7.
Soap, Toilet. Sears, Roebuck and Co. 354,277, Feb. 8, 1938. Republished Oct. 18.
Soaps. Commercial Laboratories, Inc. 516,620, Oct. 18; Serial No. 566,690, published July 5, 1949.
Soaps and dry cleansing fluids. H. E. Shaw Company. 516,591, Oct. 18; Serial No. 559,456, published July 5, 1949.
Soaps, scouring powders, and soaps. Calar Chemical Company. 516,572, Oct. 18; Serial No. 557,176, published July 5, 1949.
Washing powder and cleansing compound. B. Heller & Company. 282,061, Apr. 7, 1931. Republished Oct. 18.

CLASS 5

Adhesives. Kem Products Co. Inc. 265,306, renewed Dec. 24, 1949. O. G. Oct. 18.

CLASS 6

Ammonium phosphate. Victor Chemical Works. 516,373, Oct. 18; Serial No. 528,535, published June 28, 1949.
Analgesic, General. Endo Products Inc. 516,514, Oct. 18; Serial No. 552,236, published July 12, 1949.
Antacid. Sharp & Dohme, Incorporated. 516,579, Oct. 18; Serial No. 558,520, published June 28, 1949.
Antacid preparation. Standard Laboratories, Inc. 516,547, Oct. 18; Serial No. 554,168, published June 28, 1949.
Antibacterial preperation. Sharp & Dohme, Incorporated. 516,524, Oct. 18; Serial No. 552,813, published June 28, 1949.
Antiseptic. Laboratoire Vincent Laboratory Inc. 516,597, Oct. 18; Serial No. 560,764, published June 28, 1949.
Aromatic cascara, bay rum, camphorated oil etc. The May Department Stores Company. 262,919, Oct. 29, 1929. Republished Oct. 18.
Astringents, astringent cerates, bleach creams, etc. Percival E. Falkingham. 267,841, Mar. 4, 1930. Republished Oct. 18.
Bleaching fluid. The Roessler & Hasslacher Chemical Co. 75,545, Oct. 12, 1909. Republished Oct. 18.
Capsules, Iron. Nutren Products, Limited. 516,590, Oct. 18; Serial No. 559,237, published June 28, 1949.
Capsules, Vitamin. Sears, Roebuck and Co. 400,461, Mar. 9, 1943. Republished Oct. 18.
Carbons, Filtering, clarifying, and decolorizing. West Virginia Pulp and Paper Company. 516,615, Oct. 18; Serial No. 564,077, published July 12, 1949.
Chemical compositions for impregnating and preserving wood; and denatured alcohol. The Barrafine Companies, Inc. 516,501, Oct. 18; Serial No. 550,933, published July 5, 1949.
Chemical compositions, Surface-active. Carbide and Carbon Chemicals Corporation. 516,492, Oct. 18; Serial No. 549,615, published June 28, 1949.
Chemical compounds for all cleansing and washing purposes. Oakite Products, Inc. 429,366, Apr. 29, 1947. Republished Oct. 18.
Coating composition. Processed Surfaces, Inc. 516,570, Oct. 18; Serial No. 557,064, published July 12, 1949.
Deodorant, Body. Sears, Roebuck and Co. 391,173, Oct. 28, 1941. Republished Oct. 18.
Dye, Hair. Troup Whitehead. 516,371, Oct. 18; Serial No. 528,390, published July 12, 1949.
Face creams and lotions. Elizabeth Arden, Inc. 249,634, Nov. 20, 1928. Republished Oct. 18.
Face powder, Cake. Florence N. Lewis. 131,532, May 18, 1920. Republished Oct. 18.
Gum, Medicated laxative chewing. Morton Manufacturing Corporation. 516,451, Oct. 18; Serial No. 544,750, published July 5, 1949.
Gum, Solubilized insoluble natural. Royce Chemical Company 516,383, Oct. 18; Serial No. 530,773, published June 28, 1949.
Insecticide. The De Pree Company. 516,595, Oct. 18; Serial No. 560,386, published June 28, 1949.
Insecticides. Stanco Incorporated. 265,369, renewed Dec. 24, 1949. O. G. Oct. 18.
Insecticides, deodorants, and disinfectants. Stanco Incorporated. 265,142–4, renewed Dec. 17, 1949. O. G. Oct. 18.
Laundry preparation, Combination liquid. Vincent Quartararo. 262,778, Oct. 22, 1929. Republished Oct. 18.
Leather stuffing, Kind of, known as fat liquor. The Dennis Martin Company. 243,291–2, June 19, 1928. Republished Oct. 18.
Leather stuffing, Kind of, known as fat liquor. The Dennis Martin Company. 244,130, July 10, 1928. Republished Oct. 18.

Liquid, Low freezing point. Niagara Blower Company. 516,454, Oct. 18; Serial No. 545,519, published July 12, 1949.
Lotion for revitalizing human hair. Genii Incorporated. 516,599, Oct. 18; Serial No. 561,000, published July 5, 1949.
Lotion, Tick repellent. Innoventions, Inc. 516,592, Oct. 18; Serial No. 559,514, published June 21, 1949.
Lotions, Hand. Mary L. Yauman. 516,400, Oct. 18; Serial No. 537,270, published June 28, 1949.
Medical preparation. E. Bilhuber, Inc. 516,582, Oct. 18; Serial No. 558,776, published July 26, 1949.
Medicament, Bronchial. Sharp & Dohme, Incorporated. 516,580, Oct. 18; Serial No. 558,521, published June 28, 1949.
Medicinal preparation. The Upjohn Company. 516,545, Oct. 18; Serial No. 553,928, published July 12, 1949.
Medicine. Endo Products Inc. 516,576–7, Oct. 18; Serial Nos. 558,378–9. published June 28, 1949.
Medicine. Harry J. Gordon. 516,485, Oct. 18; Serial No. 549,146, published July 5, 1949.
Oil or grease for use in the leather industry. The Dennis Martin Company. 270,850–1, May 13, 1930. Republished Oct. 18.
Ointment. Bernard Logsdon. 516,562, Oct. 18; Serial No. 556,109, published May 17, 1949.
Ointment. United Drug Company. 260,150, renewed Aug. 20, 1949. O. G. Oct. 18.
Parasiticides. California Spray-Chemical Corporation. 516,496, Oct. 18; Serial No. 550,384, published May 24, 1949.
Perfumes, eau de colognes, toilet water, etc. Elizabeth Arden Sales Corporation. 414,785, June 26, 1945. Republished Oct. 18.
Perfumes, toilet waters, colognes, etc. Maurice Landon. 443,554, Oct. 18; Serial No. 507,195, published July 12, 1949.
Perfumes, toilet waters, rouge and lipstick. Parfumerie & Savonnerie Gilot, Societe Anonyme. 516,626, Oct. 18; Serial No. 508,236.
Pharmaceutical preparation. Franklin Laboratories. Inc. 516,428, Oct. 18; Serial No. 542,757, published June 28, 1949.
Preparation for killing flies and germs and insecticide. D. B. Smith & Company, Inc. 264,826, renewed Dec. 10. 1949. O. G. Oct. 18.
Preparation for the treatment of diseases of the udder and teats. Dairy Association Co., Inc. 516,402, Oct. 18; Serial No. 537,431, published July 12, 1949.
Preparation in tablet form for regulating the biliary and intestinal secretions. Societe Anonyme Omnium de Specialites & Produit Chimiques. 208,029, renewed Jan. 19, 1946. O. G. Oct. 18.
Preparation, Tonic. Joseph E. Maupin. 516,475, Oct. 18; Serial No. 547,743, published July 5, 1949.
Refrigerants. Eston Chemicals, Inc. 516,359, Oct. 18; Serial No. 521,386, published July 12, 1949.
Remedy. E. W. Vacher. 74,331, re-renewed July 6, 1949. O. G. Oct. 18.
Rouge. Elizabeth Arden, Inc. 290,207, Dec. 22, 1931. Republished Oct. 18.
Rouge and powder. Florence N. Lewis. 172,732, Sept. 11, 1923. Republished Oct. 18.
Sedative, anesthetic, and sleep-producing preparation. Sharp & Dohme, Incorporated. 516,574, Oct. 18; Serial No. 557,233, published June 21, 1949.
Skin creams, antiseptic creams and ointments. Dae Health Laboratories, Limited. 516,589, Oct. 18; Serial No. 559,139, published June 21, 1949.
Solution, Antiseptic. Roche-Organon Inc. 516,588, Oct. 18; Serial No. 559,120, published June 28, 1949.
Tablets, Aspirin. Dakota Enterprise, Inc. 516,613, Oct. 18; Serial No. 563,451, published July 12, 1949.
Tanner's bate. The Martin Dennis Company. 243,072, June 12, 1928. Republished Oct. 18.
Toilet powder, eaux de cologne, hair and skin lotions, etc. S. A. Calber. 260,719, renewed Aug. 27, 1949. O. G. Oct. 18.
Toilet water, hand lotion, bubble bath, dusting powder and lipstick pomade. Helene Pessl Inc. 516,653, Oct. 18; Serial No. 554,252.
Tonic and dandruff remover shampoo, Dandruff remover. Four Penny Products Co. 362,235, Nov. 15, 1938. Republished Oct. 18.
Tonic, Hair. The Pharma-Craft Corporation. 516,600, Oct. 18; Serial No. 561,140, published July 5, 1949.
Tonic, Herbal lung. G. A. Desaulniers. 516,586, Oct. 18; Serial No. 559,009, published June 28, 1949.
Tonic, Medicinal wine. L. Salazar. 516,571, Oct. 18; Serial No. 557,157, published July 12, 1949.
Tooth powder and paste. F. R. Tyler. 73,653, re-renewed May 4, 1949. O. G. Oct. 18.

CLASS 7

Cordage, rope, cord, and twine. Independent Cordage Co., Inc. 311,908, Apr. 10, 1934. Republished Oct. 18.

CLASS 10

Liquid preparation for enhancing the appearance of and promoting the growth of foliage plants. H. J. Knuth. 516,650, Oct. 18; Serial No. 551,013.

CLASS 12

Asphaltic material. The Flintkote Company. 259,095, July 23, 1929. Republished Oct. 18.
Block, Insulated concrete building. H. R. Tregilgas. 516,573, Oct. 18; Serial No. 557,228, published June 21, 1949.
Brick, Refractory. Tomkins Brothers. 516,587, Oct. 18; Serial No. 559,070, published July 12, 1949.
Bricks, Fire. Standard Clay Products Company, Inc. 516,431, Oct. 18; Serial No. 543,231, published June 21, 1949.
Bricks, Fire. Standard Clay Products Company, Inc. 516,432, Oct. 18; Serial No. 543,233, published June 21, 1949.
Bricks, Refractory, refractory plastics, and refractory cements. E. J. Lavino and Company. 516,516, Oct. 18; Serial No. 552,304, published May 17, 1949.
Cement, Asphalt adhesive. Lewis Asphalt Engineering Corporation. 516,489, Oct. 18; Serial No. 549,453, published May 17, 1949.
Cements, Building. C. B. R. Cimenteries et Briqueteries Réunies S. A. 258,805, renewed July 16, 1949. O. G. Oct. 18.
Ceramic products. The Claycraft Company. 516,487, Oct. 18; Serial No. 549,231, published June 21, 1949.
Compound, Glazing. Plastic Products Company. 516,412, Oct. 18; Serial No. 540,453, published June 28, 1949.
Compound, Mastic, for use as a putty substitute. The Tremco Manufacturing Company. 516,424, Oct. 18; Serial No. 541,608, published July 12, 1949.
Concrete products, concrete pipe fittings, etc. Concrete Pipe & Products Co. Inc. 516,482, Oct. 18; Serial No. 548,932, published June 21, 1949.
Frames, Wooden window and door. Andersen Lumber Company. 260,699, renewed Aug. 27, 1949. O. G. Oct. 18.
Insulating wool. A. D. Hosier. 516,560, Oct. 18; Serial No. 556,013, published May 17, 1949.
Lime used for industrial and construction purposes. Marblehead Lime Company. 516,411, Oct. 18; Serial No. 540,429, published June 28, 1949.
Paneling and wall covering panels, Decorative laminated. The Formica Insulation Company. 516,369, Oct. 18; Serial No. 528,204, published June 21, 1949.
Paneling, Doors, wall and ceiling. Sutton Manufacturers, Inc. 516,558, Oct. 18; Serial No. 555,848, published May 17, 1949.
Panels, Asphalt insulated. Central Division Company. 516,457, Oct. 18; Serial No. 546,089, published June 28, 1949.
Perlite in the form of an insulation material. Combined Metals Reduction Company. 516,567, Oct. 18; Serial No. 556,422, published July 5, 1949.
Tiles, Floor, composed of asbestos, thermoplastic resins, plasticizers, etc. David E. Kennedy, Inc. 516,419, Oct. 18; Serial No. 541,425, published July 12, 1949.
Wall base, Coved set-on type of. David E. Kennedy, Inc. 516,420, Oct. 18; Serial No. 541,426, published July 12, 1949.
Window frames, windows, and parts thereof, etc. Curtis Companies Incorporated. 516,439, Oct. 18; Serial No. 543,797, published June 21, 1949.

CLASS 13

Asparagus-boilers, seamless bowls, Berlin kettles, etc. National Enameling and Stamping Company. 129,193, Jan. 27, 1920. Republished Oct. 18.
Boards, Shampoo. Bazelon Manufacturing Company, Inc. 516,534, Oct. 18; Serial No. 553,064, published July 12, 1949.
Bolts, nuts, screws, rivets, and cotter pins. The Lamson & Sessions Company. 516,472, Oct. 18; Serial No. 547,353, published July 12, 1949.
Bowls, colanders, cuspidors, etc. National Enameling and Stamping Company. 125,484, May 20, 1919. Republished Oct. 18.
Bowls, Dipper, colanders, cuspidors, etc. National Enameling and Stamping Company. 125,752, June 10, 1919. Republished Oct. 18.
Clamps, Metal. Diamond Expansion Bolt Co. 264,204, renewed Nov. 19, 1949. O. G. Oct. 18.
Counlings, Angle pipe, and angle, plug-type valves. The Ford Meter Box Company, Inc. 516,511, Oct. 18; Serial No. 552,139, published July 12, 1949.
Fasteners, connectors and attaching devices. United-Carr Fastener Corporation. 516,340, Oct. 18; Serial No. 497,893, published June 28, 1949.
Fittings and furnishings, Steam boiler. The Reliance Gauge Column Company. 516,550, Oct. 18; Serial No. 555,017, published June 28, 1949.
Fountains, Poultry automatic non float. Langdon Mfg. Co. 443,453, Oct. 18; Serial No. 506,534, published July 5, 1949.
Hardware, Builder's. Lockwood Hardware Mfg. Co. 516,399, Oct. 18; Serial No. 537,055, published June 28, 1949.
Pipe fittings, Cast sweat metal. Herd Utilities, Inc. 516,370, Oct. 18; Serial No. 528,281, published July 5, 1949.
Pipes or tubing, Feed. J. W. Hudson. 516,360, Oct. 18; Serial No. 521,389, published June 28, 1949.

Protectors for pipe, Metal thread; metal protectors for oil well sucker rods; valve plugs and range boiler protector plugs. Krause Stamping & Mfg. Co. 516,407, Oct. 18; Serial No. 539,528, published July 5, 1949.
Rivets. Raybestos-Manhattan, Inc. 516,554, Oct. 18; Serial No. 555,562, published June 28, 1949.
Screws, nails, rivets, etc. Guest, Keen & Nettlefolds Limited. 60,716, Feb. 19, 1907. Republished Oct. 18.
Utensils, Cooking. Federal Enameling and Stamping Company. 516,565, Oct. 18; Serial No. 556,256, published July 12, 1949.
Ware, Base metal cooking, kitchen, household and hospital. The Republic Stamping and Enameling Company. 516,354, Oct. 18; Serial No. 517,663, published July 5, 1949.
Ware, Plain and chromium plated pewter, and aluminum ware. Continental Silver Co. Inc. 443,450, Oct. 18; Serial No. 496,303, published July 5, 1949.

CLASS 14

Castings and forgings. Chicago Railway Equipment Company. 259,897, renewed Aug. 13, 1949. O. G. Oct. 18.
Cooking pots and pans, Copper sheathed. Crown Jewel Ware, Inc. 516,460, Oct. 18; Serial No. 546,373, published July 5, 1949.
Metal, Sheet. The Canton Culvert Company. 74,120, re-renewed June 22, 1949. O. G. Oct. 18.
Metal, Sheet. The Stark Rolling Mill Company. 74,162, re-renewed June 22, 1949. O. G. Oct. 18.
Steel and forgings. Firth-Sterling Steel Company. 246,529, Sept. 11, 1928. Republished Oct. 18.

CLASS 15

Compounds, Lubricating. Adam Cook's Sons. 53,919, Re-renewed Dec. 19, 1949. O. G. Oct. 18.
Gasoline. Richfield Oil Company. 201,308, July 21, 1925. Republished Oct. 18.
Gasoline, lubricating motor oils, grease compounds, etc. Phillips Petroleum Company. 516,410, Oct. 18; Serial No. 540,201, published July 12, 1949.
Gasoline, lubricating motor oils, grease, kerosene, tractor fuel oil, etc. Phillips Petroleum Company. 516,425. Oct. 18; Serial No. 542,161, published July 12, 1949.
Gasolines, kerosines, bensines, distillates, etc. Missouri Farmers Association, Inc. 442,550, Apr. 26, 1949. Republished Oct. 18.
Lubricant for valves. American Car and Foundry Company. 516,549, Oct. 18; Serial No. 554,846, published July 12, 1949.
Oil, Flushing, road oil, lubricating oil and greases. Standard Oil Company of California. 516,500, Oct. 18; Serial No. 550,839, published July 12, 1949.
Oil, Lubricating. Sun Oil Company. 516,583, Oct. 18; Serial No. 558,822, published July 12, 1949.
Oil, Motor. Seaside Oil Company. 516,563, Oct. 18; Serial No. 556,135, published July 5, 1949.
Oil, Refined machine. De Mert & Dougherty, Inc. 516,477, Oct. 18; Serial No. 548,242, published July 12, 1949.
Oils and greases, Lubricating. M. E. Kemper. 315,103, July 17, 1934. Republished Oct. 18.
Oils, Furnace and stove fuel. F. J. Cater. 516,622, Oct. 18; Serial No. 541,511, published July 5, 1949.
Oils, Lubricating. New York, & New Jersey Lubricant Company. 516,394, Oct. 18; Serial No. 534,459 published July 5, 1949.
Oils, Lubricating. Richfield Oil Company. 203,663, Sept. 22, 1925. Republished Oct. 18.
Oils, Motor, and separator oils. Wyeth Company. 516,455, Oct. 18; Serial No. 545,572, published July 12, 1949.
Oils, Refined, semirefined, and unrefined. Stanco Incorporated. 261,793–4, renewed Sept. 24, 1949. O. G. Oct. 18.

CLASS 16

Cleaning, polishing and waxing preparation, Combination. M. P. Christenson. 516,433, Oct. 18; Serial No. 543,274, published July 12, 1949.
Coating in the nature of varnish, Floor surface. Republic Paint & Varnish Co. 516,423, Oct. 18; Serial No. 541,460, published June 7, 1949.
Compositions or paints, Ready-mixed anti-fouling. Stearns-McKay Manufacturing Company. 516,368, Oct. 18; Serial No. 528,150, published June 7, 1949.
Enamel, Paint. Alston-Lucas Paint Co. 516,651, Oct. 18; Serial No. 552,733.
Finishes in the form of antifouling paint, Marine. American Pipe and Construction Co. 516,403, Oct. 18; Serial No. 537,648, published June 7, 1949.
Lacquer. Armstrong Paint & Varnish Works. 516,414, Oct. 18; Serial No. 540,622, published June 7, 1949.
Paint. Binney & Smith Company. 516,367, Oct. 18; Serial No. 528,110, published Mar. 29, 1949.
Paint, Bituminous, and aluminum paint. Benjamin Foster Company. 256,627, May 21, 1929. Republished Oct. 18.
Paint enamel, Prepared or ready-mixed liquid, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. J. F. Kurfees Paint Company. 516,395, Oct. 18; Serial No. 535,544, published June 7, 1949.
Paint enamels, Liquid. Pittsburgh Plate Glass Company. 516,444, Oct. 18; Serial No. 544,281, published June 7, 1949.
Paint enamels, Prepared or ready-mixed liquid, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. J. F. Kurfees Paint Company. 516,396, Oct. 18; Serial No. 535,561, published June 7, 1949.
Paint enamels, Prepared or ready-mixed liquid, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. J. F. Kurfees Paint Company. 516,397, Oct. 18; Serial No. 535,567, published June 7, 1949.
Paint, Ready mixed oil. Lambert Landscape Co. 516,667, Oct. 18; Serial No. 521,667.
Paint, Ready mixed; paint enamels; paint enamel undercoats, etc. O'Brien Varnish Company. 516,355. Oct. 18; Serial No. 517,794, published June 21, 1949.
Paint, Tire wall; automobile top finish, and automobile finish cleaner and polish. Bowes "Seal-Fast" Corporation. 516,386, Oct. 18; Serial No. 532,204, published June 7, 1949.
Paint, Utility, and asphalt base aluminum paint. Republic Paint & Varnish Co. 516,422, Oct. 18; Serial No. 541,453, published June 27, 1949.
Paint, Water. M. Ewing Fox Co. Inc. 262,220, renewed Oct. 1, 1949. O. G. Oct. 18.
Paints. D. J. McCrudden, Jr. 263,757, Nov. 12, 1929. Republished Oct. 18.
Paints. Seidlitz Paint & Varnish Co. 516,641, Oct. 18; Serial No. 536,147.
Paints. Sun Chemical Corporation. 443,461, Oct. 18; Serial No. 519,843, published July 12, 1949.
Paints and paint thinner or solvent, Ready-mixed. C. A. Woolsey Paint & Color Co. Inc. 516,533, Oct. 18; Serial No. 553,044, published June 7, 1949.
Paints, Dry, ready-mixed, and paste, pain enamels, varnishes, etc. Lehman Bros., Incorporated. 260,265, renewed Aug. 20, 1949. O. G. Oct. 18.
Paints, Interior and exterior paste and ready-mixed, paint enamels, varnishes, etc. Klimate-Pruf Paint Company, Inc. 516,415, Oct. 18; Serial No. 540,679, published June 7, 1949.
Paints, Marine. C. A. Woolsey Paint & Color Co. Inc. 516,532, Oct. 18; Serial No. 553,043, published July 12, 1949.
Paints, Ready mixed. Armstrong Paint & Varnish Works. 516,413, Oct. 18; Serial No. 540,616 published June 7, 1949.
Paints; varnishes and lacquers, Dry, paste and ready-mixed. The P. D. George Company. 516,638, Oct. 18; Serial No. 529,764.
Paints, varnishes, varnish stains, oil stains, etc., Ready mixed oil. Vane-Calvert Paint Company. 516,443, Oct. 18; Serial No. 544,132, published June 7, 1949.
Paints, Water-mixed, washable, quick drying emulsified resin, and ready-mixed paints. Republic Paint & Varnish Co. 516,421, Oct. 18; Serial No. 541,451, published June 27, 1949.
Pigment. Binney & Smith Company. 75,552, re-renewed Oct. 19, 1949. O. G. Oct. 18.
Polishes and dressings for cleaning and polishing. Yankee Polish Co. Inc. 261,223, Sept. 10, 1929. Republished Oct. 18.
Supplies, Janitorial. Dohrmann Hotel Supply Co. 516,343, Oct. 18; Serial No. 500,744, published June 7, 1949.

CLASS 19

Automobiles and their parts. Ford Motor Company. 74,530, re-renewed July 20, 1949. O. G. Oct. 18.
Wagons and parts thereof, Farm. Dearborn Motors Corporation. 516,666, Oct. 18; Serial No. 577,088.

CLASS 21

Batteries, Electric storage. Solar Corporation. 516,642, Oct. 18; Serial No. 536,455.
Batteries, Storage. Prest-O-Lite Storage Battery Corporation. 261,103, renewed Sept. 3, 1949. O. G. Oct. 18.
Bulb sets, Electrical Christmas tree light. Julius Kupper, Inc. 516,659, Oct. 18; Serial No. 558,794.
Condensers, Electrical. Cornell-Dubilier Corporation. 312,814, May 8, 1934. Republished Oct. 18.
Condensers, Electrical. Cornell-Dubilier Corporation. 335,657, June 9, 1936. Republished Oct. 18.
Condensers, Electrolytic. Cornell-Dubilier Electric Corporation. 379,258–9, July 9, 1940. Republished Oct. 18.
Lamps, Electric, and electric lamp bases. Winston Lamp Manufacturing Company. 516,624, Oct. 18; Serial No. 501,489.
Radio apparatus and parts thereof. The Buckley, Newhall Company. 241,985, May 8, 1928. Republished Oct. 18.
Receiving sets, Radio. Electronic Laboratories, Inc. 443,468, Oct. 18; Serial No. 526,331, published July 26, 1949.

CLASS 22

Attachment for fishing lines, Strain reliever. W. M. Husson. 516,632, Oct. 18; Serial No. 517,724.

CLASS 23

Asparagus-boilers, seamless bowls, Berlin kettles, etc. National Enameling and Stamping Company. 129,193, Jan. 27, 1920. Republished Oct. 18.

Blades, Razor. Rubie Blade Corporation. 259,182, renewed July 23, 1949. O. G. Oct. 18.
Blades, Razor. Rubie Blade Corporation. 259,184, renewed July 23, 1949. O. G. Oct. 18.
Bowls, colanders, cuspidors, etc. National Enameling and Stamping Company. 125,484, May 20, 1919. Republished Oct. 18.
Bowls, Dipper, colanders, cuspidors, etc. National Enameling and Stamping Company. 125,752, June 10, 1919. Republished Oct. 18.
Can opener and corkscrew, Combined. Vaughan Novelty Mfg. Co. 260,572, renewed Aug. 27, 1949. O. G. Oct. 18.
Clutches other than for use in connection with automobile drive transmissions. The Master Electric Company. 438,375, Apr. 20, 1948. Republished Oct. 18.
Cranks, Starting, radiator fans, radiator-fan mountings, etc. Ford Motor Company. 260,470, renewed Aug. 27, 1949. O. G. Oct. 18.
Duplicating devices. Sears, Roebuck and Co. 367,751, May 30, 1939. Republished Oct. 18.
Dust collectors. Northern Blower Company. 233,317, Sept. 27, 1927. Republished Oct. 18.
Explosive-engines and their parts. Ford Motor Company. 74,765, re-renewed Aug. 10, 1949. O. G. Oct. 18.
Knives, Pocket. H. Boker & Co., Inc. 442,857, June 7, 1949. Republished Oct. 18.
Machinery, implements, and accessories, Agricultural. Minneapolis-Moline Power Implement Company. 323,175, Apr. 2, 1935. Republished Oct. 18.
Machines; hydraulic pumps; and hoists. Kay-Brunner Steel Products, Inc. 340,668, Nov. 17, 1936. Republished Oct. 18.
Presses, Metal working, metal drawing machines, can making and filling machines, etc. E. W. Bliss Company. 363,434, Dec. 27, 1938. Republished Oct. 18.
Tractors. Minneapolis-Moline Power Implement Company. 293,658, May 3, 1932. Republished Oct. 18.
Turnstiles and like passage-controlling gates of the rotary type. Perey Manufacturing Company, Inc. 309,247, Jan. 9, 1934. Republished Oct. 18.

CLASS 26

Cabinets, Box-like temperature controlled, within which the manufacture, assembly, calibration, inspection, and testing of precision parts, assemblies, and apparatus may be accomplished. Garrison Machine Works, Inc. 441,572, Dec. 14, 1948. Republished Oct. 18.
Combination turnstiles and registering fare boxes. Perey Manufacturing Company, Inc. 287,761, Oct. 6, 1931. Republished Oct. 18.
Frames, Eye glass and spectacle. J. Gaspari & Co., Inc. 516,643, Oct. 18; Serial No. 536,574.
Photographic equipment. Gardner Cine Company. 443,451, Oct. 18; Serial No. 504,546, published Feb. 24, 1948.
Photoplays, Motion-picture. Paramount Famous Lasky Corporation. 264,067, renewed Nov. 19, 1949. O. G. Oct. 18.
Photoplays, Motion picture. Paramount Famous Lasky Corp. 264,952, renewed Dec. 10, 1949. O. G. Oct. 18.

CLASS 28

Jewelry findings, neck chains, and jewelry chains. Nathan Berrie & Sons. 516,665, Oct. 18; Serial No. 571,192.
Necklaces, and bracelets, finger rings, etc. Coro, Inc. 516,658, Oct. 18; Serial No. 558,009.
Necklaces, Pearl, pearl bracelets, pearl earrings, etc. Coro, Inc. 516,662, Oct. 18; Serial No. 563,314.
Necklaces, Pearl, pearl bracelets, pearl earrings, etc. Coro, Inc. 516,663, Oct. 18; Serial No. 563,399.
Rings, Finger, earrings, and all items of jewelry that contain diamonds. Barnett Davis, Incorporated. 516,664, Oct. 18; Serial No. 568,496.

CLASS 30

Bedroom chambers, Porcelain and china, cereal sets, and chinaware. Best & Co. Inc. 231,468, Aug. 23, 1927. Republished Oct. 18.
Bowls, vases, plates, and dinner sets, Earthenware, porcelain bowls, etc. S. & G. Gump Company. 516,418, Oct. 18; Serial No. 541,289, published July 5, 1949.
China and earthenware, cuspidors, etc. Mintons Limited. 341,918, Dec. 29, 1936. Republished Oct. 18.
Porcelain, earthenware, and pottery. Mintons Limited. 427,236, Feb. 4, 1947. Republished Oct. 18.

CLASS 32

Dressers, bureaus, chests, etc. The Mengel Company. 429,170, Apr. 22, 1947. Republished Oct. 18.
Furniture, Household and office. The Buckley, Newhall Company. 235,859, Nov. 29, 1927. Republished Oct. 18.
Mattresses, Camp, folding cots, and folding camp stools. L. L. Bean. 258,534, renewed July 9, 1949. O. G. Oct. 18.
Shades, Window. The Western Shade Cloth Company. 251,809, renewed Jan. 15, 1949. O. G. Oct. 18.
Shades, Window, and shade rollers. The Western Shade Cloth Copany. 251,477–9, renewed Jan. 8, 1949. O. G. Oct. 18.

CLASS 33

Bottles, Glass perfumes, glass bar glasses, glass decanter sets, etc. S. & G. Gump Company. 516,417, Oct. 18; Serial No. 541,288, published July 5, 1949.
Glass, Flat. Hamilton Glass Company. 516,657, Oct. 18; Serial No. 556,795.
Tableware, Glass. Newland, Schneeloch & Piek, Inc. 516,512, Oct. 18; Serial No. 552,160, published July 5, 1949.

CLASS 34

Adjusters, Bearing. Perfect Circle Corporation. 516,348, Oct. 18; Serial No. 509,595, published June 14, 1949.
Air conditioning and ventilating units. Young Radiator Company. 402,503, July 27, 1943. Republished Oct. 18.
Drive belts, Flexible. The American Pulley Company. 516,491, Oct. 18; Serial No. 549,602, published June 14, 1949.

CLASS 35

Belting, Solid woven. Victor Balata & Textile Belting Co. 516,609, Oct. 18; Serial No. 563,035, published May 31, 1949.
Belting, Transmission and conveyor. Ton-Tex Corporation. 516,436, Oct. 18; Serial No. 543,365, published May 31, 1949.
Belts, Sewing machine. Sears, Roebuck and Co. 516,499, Oct. 18; Serial No. 550,619, published May 10, 1949.
Bushings, Rubber, hose, gaskets, etc. The Doan Manufacturing Corporation. 516,490, Oct. 18; Serial No. 549,522, published June 21, 1949.
Casings, Rubber tire. Selberling Rubber Company. 516,616, Oct. 18; Serial No. 564,220, published July 12, 1949.
Conveyors, Canvas-belt. John T. Stanley Co., Inc. 260,467, renewed Aug. 27, 1949. O. G. Oct. 18.
Frictional elements for brakes and clutches, Composition. American Brake Shoe Company. 516,466, Oct. 18; Serial No. 547,220, published May 10, 1949.
Frictional elements for brakes and clutches, etc. American Brake Shoe Company. 516,464, Oct. 18; Serial No. 547,215, published May 17, 1949.
Frictional elements for brakes, etc., Composition. American Brake Shoe Company. 516,465, Oct. 18; Serial No. 547,218, published May 10, 1949.
Gaskets. Detroit Gasket & Manufacturing Company. 516,480, Oct. 18; Serial No. 542,992, published June 21, 1949.
Gaskets and parts therefor. Victor Manufacturing & Gasket Co. 516,525, Oct. 18; Serial No. 552,905, published May 24, 1949.
Hose, Garden. Industrial Synthetics Corporation. 516,611, Oct. 18; Serial No. 563,255, published May 31, 1949.
Hose, Welding. National Cylinder Gas Company. 516,520, Oct. 18; Serial No. 552,481, published May 24, 1949.
Packing seals, Hydraulic. Hydraulic Accessories Company. 516,558, Oct. 18; Serial No. 555,413, published June 7, 1949.
Rings, Piston. Koppers Company, Inc. 516,608, Oct. 18; Serial No. 562,941, published June 14, 1949.
Rings, Piston, inner rings for piston rings. Ramsey Corporation. 516,548, Oct. 18; Serial No. 554,412, published June 21, 1949.
Tires and tubes, Resilient vehicle. The Firestone Tire & Rubber Company. 259,303, renewed July 30, 1949. O. G. Oct. 18.
Tires, Pneumatic. The Gates Rubber Company. 516,607, Oct. 18; Serial No. 562,775, published June 28, 1949.
Tubes for pneumatic tires, Inner. Robbins Tire and Rubber Company, Inc. 443,459–60, Oct. 18; Serial Nos. 516,217–18, published Nov. 16, 1948.
Tubing and conduit, Flexible metal. Co-operative Industries, Inc. 516,504. Oct. 18; Serial No. 551,692, published May 24, 1949.
Washers, etc., Flat bibb, beveled bibb, syphon, tank, and spud. The H. O. Canfield Co. 516,601, Oct. 18; Serial No. 561,226, published May 10, 1949.

CLASS 36

Accordions, Piano, chromatic accordions, "German style" accordions, etc. A. B. Miller. 264,486, renewed Nov. 26, 1949. O. G. Oct. 18.
Mouthpieces, Reed. H. E. O'Brien. 516,542, Oct. 18; Serial No. 553,391, published June 7, 1949.
Pianos. Winter & Company, Inc. 516,536, Oct. 18; Serial No. 553,160, published July 5, 1949.
Records, Mechanically grooved phonograph. Decca Records, Inc. 516,453, Oct. 18; Serial No. 545,457, published Mar. 15, 1949.
Records, Mechanically grooved phonograph. Modern Melodies, Inc. 516,462, Oct. 18; Serial No. 546,720, published May 31, 1949.
Records, Mechanically grooved phonograph. B. Saffer. 516,566, Oct. 18; Serial No. 556,375, published June 14, 1949.
Vibrato producing attachment for musical instruments, Electrically operated. White-Geriat Company. 516,349, Oct. 18; Serial No. 510,412, published May 10, 1949.

CLASS 37

Issues, Cleansing. Sears, Roebuck and Co. 371,644, Oct. 3, 1939. Republished Oct. 18.
Towels, Paper. Crown Willamette Paper Company. 264,554, renewed Nov. 26, 1949. O. G. Oct. 18.

CLASS 38

Articles, Magazine, etc. N. Vinick. 516,604, Oct. 18; Serial No. 561,600, published July 5, 1949.
Books, Fictional and non-fictional. Book-Of-The-Month Club, Inc. 516,486, Oct. 18; Serial No. 549,415, published July 5, 1949.
Calendars, Wall, booklets, folders. The Lehon Company. 443,462–3, Oct. 18; Serial Nos. 520,740–1, published June 28, 1949.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 516,602, Oct. 18; Serial No. 561,293, published June 7, 1949.
Catalog. B. E. Cowan and Associates. 516,569, Oct. 18; Serial No. 557,024, published July 5, 1949.
Column, Newspaper. M. T. Brown. 516,429, Oct. 18; Serial No. 542,811, published June 21, 1949.
Column, Sports analysis. E. E. Litkenhous. 516,612, Oct. 18; Serial No. 563,349, published June 14, 1949.
Directories, Telephone. General Telephone Directory Company. 516,392, Oct. 18; Serial No. 533,727, published July 5, 1949.
Magazine. Michigan Lithographing Company. 516,598, Oct. 18; Serial No. 560,911, published July 5, 1949.
Magazines. G. L. Stannard. 443,458, Oct. 18; Serial No. 515,101, published June 14, 1949.
Magazines and publications, Trade. Grocer-Graphic, Inc. 516,405, Oct. 18; Serial No. 539,317, published June 28, 1949.
Magazines and publications, Trade. Sales Management, Inc. 516,406, Oct. 18; Serial No. 539,352, published June 28, 1949.
Magazines, Comic. Famous Funnies, Inc. 516,578, Oct. 18; Serial No. 558,384, published June 21, 1949.
Maps, Printed, pamphlets, and printed books. American Automobile Association. 155,190, May 23, 1922. Republished Oct. 18.
Newsletter. The Klein Institute for Aptitude Testing, Inc. 516,610, Oct. 18; Serial No. 563,196, published July 5, 1949.
Newspaper. Knoxville Publishing Company. 516,449, Oct. 18; Serial No. 544,453, published June 14, 1949.
Newspapers. The Afro-American Company of Baltimore City. 516,378–9, Oct. 18; Serial Nos. 529,125–6, published June 14, 1949.
Newspapers. The Afro-American Company of Baltimore City. 516,380–1, Oct. 18; Serial Nos. 529,128–9, published June 14, 1949.
Pamphlets. National Rifle Association of America. 516,346, Oct. 18; Serial No. 509,358, published July 19, 1949.
Pamphlets. National Rifle Association of America. 516,347, Oct. 18; Serial No. 509,360, published June 21, 1949.
Pamphlets. W. J. Stampfl. 516,493, Oct. 18; Serial No. 549,983, published June 21, 1949.
Periodical. The Continental Bank & Trust Company of New York. 516,341. Oct. 18; Serial No. 499,766, published Oct. 12, 1948.
Periodical. Hughes Tool Company. 516,350, Oct. 18; Serial No. 511,154, published June 14, 1949.
Periodical, Furniture merchandising. Grand Rapids Furniture Makers Guild. 307,612, Oct. 31, 1933. Republished Oct. 18.
Publication. Journal of Living Publishing Corporation. 516,409, Oct. 18; Serial No. 540,076, published July 6, 1948.
Publication. Opportunity Publishing Company. 380,120, Nov. 19, 1935. Amended. O. G. Oct. 18.
Publication, Periodical. The Burdick Corporation. 516,353, Oct. 18; Serial No. 515,860, published July 5, 1949.
Publication, Periodical. Menley & James, Limited. 516,603, Oct. 18; Serial No. 561,324, published July 5, 1949.
Publication, Periodical. Realistings Corporation. 516,385, Oct. 18; Serial No. 531,843, published June 21, 1949.
Publication, Periodical. Street & Smith Publications, Inc. 443,465, Oct. 18; Serial No. 522,809, published Aug. 17, 1948.
Publications and prints. The Chek-Chart Corporation. 516,345, Oct. 18; Serial No. 508,888, published June 21, 1949.
Publications, Periodical. Johnston Export Publishing Co. 516,434–5, Oct. 18; Serial Nos. 543,298–9, published July 5, 1949.
Publications, Trade. M. Halper. 516,551, Oct. 18; Serial No. 555,176, published June 28, 1949.
Section in a periodical. Steel Publications, Inc. 516,617, Oct. 18; Serial No. 564,790, published June 28, 1949.
Transfers, Decalcomania. Continental Decalcomania Co. 516,389, Oct. 18; Serial No. 532,805, published June 14, 1949.

CLASS 39

Bathing suits, gloves; Men's, women's, boys', and girls'. The Rollman & Sons Co. 516,393, Oct. 18; Serial No. 533,924, published July 5, 1949.
Belts, Apparel. S. & L. Belt Co., Inc. 516,476, Oct. 18; Serial No. 548,103, published June 21, 1949.
Blouses and dresses, Women's and misses'. Joan Kenley, Inc. 516,498, Oct. 18; Serial No. 550,523, published June 28, 1949.
Blouses, pinafores; and sportswear. E. I. Kallins. 516,627, Oct. 18; Serial No. 510,436.
Blouses, suits, dresses, skirts, etc., Ladies'. De De Johnson. 516,623, Oct. 18; Serial No. 483,606.
Blouses, sweaters, knitted shirts, etc., Women's and children's. The Joseph Company. 516,634, Oct. 18; Serial No. 519,336.
Boots and shoes. The B. F. Goodrich Company. 516,364, Oct. 18; Serial No. 524,396, published July 5, 1949.
Boots and shoes. La Londe & Clarke, Inc. 263,745, Nov. 12, 1929. Republished Oct. 18.
Boots and shoes. A. E. Little. 443,449, Oct. 18; Serial No. 494,618, published July 5, 1949.
Boots and shoes, Leather. A. A. Williams. 345,820, May 11, 1937. Republished Oct. 18.
Boots and shoes; Leather, rubber, duck, canvas, and composition; moccasins and slippers, etc. L. L. Bean. 263,864, renewed Nov. 12, 1949. O. G. Oct. 18.
Boots, Cowboy. John A. Frye Shoe Company. 516,479, Oct. 18; Serial No. 548,742, published June 21, 1949.
Boots, shoes, jodhpurs, etc. A. M. Kroop. 516,437, Oct. 18; Serial No. 543,722, published June 28, 1949.
Bow ties. S. Sherman. 516,564, Oct. 18; Serial No. 556,146, published July 5, 1949.
Clothing for men, students, and boys. A. Solomon. 516,486, Oct. 18; Serial No. 549,184, published June 21, 1949.
Clothing, Men's and youths' outer. Homeland Tailors, Inc. 516,404, Oct. 18; Serial No. 538,758, published June 28, 1949.
Clothing, Outer. Fishback Manufacturing Company. 443,455, Oct. 18; Serial No. 508,591, published June 7, 1949.
Coats and jackets, Men's and boys' woolen and cotton. Cape Ann Manufacturing Co. 516,522, Oct. 18; Serial No. 552,744, published June 28, 1949.
Coats and snow suits, Children's. Stern & Herff Corp. 516,510, Oct. 18; Serial No. 552,016, published July 5, 1949.
Coats and suits, Boys', girls', and children's. Fred P. Weissman Co. 443,456, Oct. 18; Serial No. 513,082, published June 28, 1949.
Coats, hats, suits, etc. G. Ovsianico. 443,452, Oct. 18; Serial No. 505,912, published June 14, 1949.
Coats, Infants', girls', and ladies'. Young Classics, Inc. 516,463, Oct. 18; Serial No. 547,092, published June 28, 1949.
Coats, vests, pants, etc. Fashion Park, Inc. 516,450, Oct. 18; Serial No. 544,561, published June 28, 1949.
Coats, vests, trousers, etc., Boys' and men's. Ben Wiener and Bro. 516,508, Oct. 18; Serial No. 551,928, published June 28, 1949.
Corsets. I. Newman & Sons, Incorporated. 510,114, May 24, 1949. Corrected. O. G. Oct. 18.
Corsets and girdles. Poirette Corsets, Inc. 516,646, Oct. 18; Serial No. 544,385.
Diaper covers of plastic material, Baby. Dryfold Mfg. Co. 516,502, Oct. 18; Serial No. 551,093, published July 5, 1949.
Diapers, Textile. Jonesville Products Corporation. 516,544, Oct. 18; Serial No. 553,864, published July 5, 1949.
Dresses. A. R. Peres. 516,556, Oct. 18; Serial No. 555,691, published June 28, 1949.
Dresses and blouses, Women's and misses'. Joan Kenley, Inc. 516,497, Oct. 18; Serial No. 550,517, published June 28, 1949.
Dresses and blouses, Women's, misses', and girls'. A. De Pinna Co., Inc. 516,546, Oct. 18; Serial No. 554,015, published June 21, 1949.
Dresses, Junior, coats, sport and tailored suits, etc. Best & Co. Inc. 324,851, June 4, 1935. Republished Oct. 18.
Dresses, Ladies'. Jack Squire, Inc. 516,654, Oct. 18; Serial No. 554,267.
Dresses, Women's and children's. Best & Co. Inc. 217,606, Sept. 7, 1926. Republished Oct. 18.
Dresses, Women's and children's. Judy-Kay Garment Co., Ltd. 516,625, Oct. 18; Serial No. 506,451.
Garments, Foundation. Charmfit of Hollywood, Inc. 516,605, Oct. 18; Serial No. 562,029, published June 21, 1949.
Garments, Men's, women's, and children's outer. Minnesota Woolen Company. 516,438, Oct. 8; Serial No. 543,729, published June 21, 1949.
Garters, hose supporters, and arm bands, Men's and women's. The A. J. Donahue Corporation. 516,478, Oct. 18; Serial No. 548,244, published June 21, 1949.
Gloves, Flamingo Glove Company. 516,376, Oct. 18; Serial No. 528,779, published June 21, 1949.
Gloves, Hanover Glove Co. 516,555, Oct. 18; Serial No. 555,602, published June 21, 1949.
Gloves, Ladies' and children's fabric. Manne & Weill, Inc. 516,585, Oct. 18; Serial No. 558,905, published June 21, 1949.
Gloves, Leather and fabric. Merrill-Clark-Meinig, Inc. 516,640, Oct. 18; Serial No. 532,317.
Gloves, Work. Wells Lamont Corporation. 516,575, Oct. 18; Serial No. 557,570, published June 21, 1949.
Handkerchiefs. R. W. Eldridge Co., Inc. 516,467, Oct. 18; Serial No. 547,248, published July 5, 1949.
Handkerchiefs. The Manhattan Shirt Company. 328,873. Oct. 8, 1935. Republished Oct. 18.

Handkerchiefs, neckties, felt hats, shoes, etc., Men's. Marshall Field & Company. 516,480, Oct. 18; Serial No. 548,740, published July 5, 1949.
Hats and uniform caps. Lee Uniform Cap Manufacturing Company. 516,568, Oct. 18; Serial No. 556,455, published July 5, 1949.
Hats, caps, and helmets. Christy & Company, Limited. 516,481, Oct. 18; Serial No. 548,928, published June 28, 1949.
Hats, coats, suits, etc., Men's and boys'. Woodrow Stores, Inc. 516,426, Oct. 18; Serial No. 542,709, published June 21, 1949.
Hats, coats, suits, etc., Men's and boys'. Woodrow Stores, Inc. 516,427, Oct. 18; Serial No. 542,711, published June 21, 1949.
Hats, Men's. E. R. Chapin. 516,648, Oct. 18; Serial No. 550,121.
Hats, Men's. Goldrim Hat Co. 443,466, Oct. 18; Serial No. 525,213, published June 28, 1949.
Hats, Women's. Weber and Heilbroner, Inc. 264,669, renewed Dec. 3, 1949. O. G. Oct. 18.
Hats, Women's and girls' felt. Salfair. 443,467, Oct. 18; Serial No. 525,688, published July 5, 1949.
Hats, Women's, misses', and girls'. Everitt Hat Company. 516,652, Oct. 18; Serial No. 554,016.
Hosiery. Dunn and McCarthy, Inc. 264,255, renewed Nov. 26, 1949. O. G. Oct. 18.
Hosiery. Galax Knitting Company, Incorporated. 516,391, Oct. 18; Serial No. 533,156, published July 5, 1949.
Hosiery. Holly Mills Company. 516,636, Oct. 18; Serial No. 524,021.
Hosiery. The May Department Stores Company. 256,181, May 7, 1929. Republished Oct. 18.
Hosiery. The Mayer Co., Inc. 516,459, Oct. 18; Serial No. 546,307, published June 21, 1949.
Hosiery. National Hosiery Mills, Inc. 516,338, Oct. 18; Serial No. 488,662, published July 5, 1949.
Hosiery. Chester H. Roth Co., Inc. 516,446, Oct. 18; Serial No. 544,292, published June 21, 1949.
Hosiery. Chester H. Roth Co., Inc. 516,447, Oct. 18; Serial No. 544,295, published June 21, 1949.
Hosiery. Chester H. Roth Co., Inc. 516,448, Oct. 18; Serial No. 544,297, published June 21, 1949.
Hosiery. Tricamp Corporation. 402,523, July 27, 1943. Republished Oct. 18.
Hosiery, Men's. Arkwright Merchandising Corporation. 516,387, Oct. 18; Serial No. 532,546, published Dec. 28, 1948.
Hosiery, Men's. Full-Knit Hosiery Mills, Inc. 516,506, Oct. 18; Serial No. 551,790, published June 21, 1949.
Hosiery, Men's and ladies'. Huffman Full Fashioned Mills, Inc. 516,440, Oct. 18; Serial No. 543,928, published June 21, 1949.
Hosiery, Women's. Nu-Maid Hosiery Mills, Inc. 516,505, Oct. 18; Serial No. 551,727, published July 5, 1949.
Linens, Household and table, cambric handkerchiefs, linen piece goods, etc. John S. Brown & Co. 26,893, Aug. 6, 1895. Republished Oct. 18.
Materials cut out ready for sewing into ladies' dresses, play suits and bathing suits. Florida Fashions, Inc. 516,627, Oct. 18; Serial No. 526,217.
Neckties. B. Pulitzer. 516,445, Oct. 18; Serial No. 544,282, published June 21, 1949.
Neckties. S. Sherman. 516,647, Oct. 18; Serial No. 547,286.
Neckties and bow-ties for men, young men, and boys, Four-in-hand. Ricky Ties, Inc. 516,552, Oct. 18; Serial No. 555,200, published July 5, 1949.
Overalls. The H. D. Lee Mercantile Co. 111,740, Aug. 1, 1916. Republished Oct. 18.
Overalls and jackets, Men's, women's, and children's. Levi Strauss & Company. 516,561, Oct. 18; Serial No. 556,108, published July 5, 1949.
Overcoats and topcoats, Men's and boys'. Neptune Mfg. Co. 361,498, Oct. 18, 1938. Republished Oct. 18.
Pajamas and night gowns, Boys' and girls'. Superior Togs Corp. 516,513, Oct. 18; Serial No. 552,179, published July 5, 1949.
Pajamas, men's shorts and polo shirts. Prestige, Incorporated. 516,374, Oct. 18; Serial No. 528,738, published June 21, 1949.
Pajamas, overalls, sleepers, etc. J. Kessler. 516,633, Oct. 18; Serial No. 518,892.
Pajamas, shorts and underwear, Men's, ladies' slips, etc. United Mills Corporation. 516,557, Oct. 18; Serial No. 555,710, published June 14, 1949.
Pants, Waterproof baby. H. Crampton. 516,656, Oct. 18; Serial No. 555,655.
Playsuits, Children's. Collegeville Flag and Manufacturing Company. 516,526, Oct. 18; Serial No. 552,948, published June 28, 1949.
Sheets, Cotton, cotton pillowcases, cotton handkerchiefs, etc. Ware Shoals Manufacturing Company. 259,620, Aug. 6, 1929. Republished Oct. 18.
Shirts. Creighton Shirt Company, Inc. 516,441, Oct. 18; Serial No. 544,058, published June 21, 1949.
Shirts for men and boys, Outer. Cluett, Peabody & Co., Inc. 516,456, Oct. 18; Serial No. 545,711, published July 5, 1949.
Shirts, Negligee. The Manhattan Shirt Company. 295,412, June 28, 1932. Republished Oct. 18.
Shirts, pants and playsuits for boys, Outer. The Buckeye Overall Company. 516,458, Oct. 18; Serial No. 546,185, published July 5, 1949.
Shirts, shorts and pajamas, Outer. Wamsutta Mills. 516,416, Oct. 18; Serial No. 540,745, published June 21, 1949.
Shoe welting, Leather. McAdoo & Allen Welting Company. 516,401, Oct. 18; Serial No. 537,333, published June 21, 1949.
Shoes. Best & Co. Inc. 253,607, Mar. 5, 1929. Republished Oct. 18.
Shoes. Allen Edmonds Shoe Corporation. 516,452, Oct. 18; Serial No. 545,358, published June 28, 1949.
Shoes. Emerson Shoe Manufacturing Company. 250,950, renewed Dec. 18, 1948. O. G. Oct. 18.
Shoes, Middletown Footwear, Inc. 516,483, Oct. 18; Serial No. 548,980, published June 21, 1949.
Shoes. D. Myers & Sons, Inc. 516,630, Oct. 18; Serial No 511,826.
Shoes, Infants' moccasin. Berkshire Footwear Corporation, Inc. 516,535, Oct. 18; Serial No. 553,066, published June 28, 1949.
Shoes, Leather. Joseph Cohn & Son. 516,484, Oct. 18; Serial No. 549,121, published July 5, 1949.
Shoes, Leather. J. Edwards & Co. 516,377, Oct. 18; Serial No. 528,951, published June 28, 1949.
Shoes, Leather. A. A. Williams. 260,271, renewed Aug. 20, 1949. O. G. Oct. 18.
Shoes, Men's and young men's leather. A. E. Nettleton Company. 516,495, Oct. 18; Serial No. 550,334, published July 5, 1949.
Shoes, Men's, women's and children's. Dubin Bros. Shoe Co. 516,635, Oct. 18; Serial No. 523,248.
Shoes, Women's. The Associated Merchandising Corporation. 516,461, Oct. 18; Serial No. 546,545, published June 21, 1949.
Slippers to wear over footed pajamas, Children's house. Mrs. Day's Ideal Baby Shoe Company, Inc. 516,631, Oct. 18; Serial No. 512,648.
Soles and heels. Cat's Paw Rubber Company, Inc. 516,408, Oct. 18; Serial No. 539,937, published July 5, 1949.
Straps, Silk carriage, textile knitted warmers for bottles, etc. Best & Co. Inc. 235,092, Nov. 8, 1927. Republished Oct. 18.
Suits and overcoats, Boys'. Ben Wiener and Bro. 516,507, Oct. 18; Serial No. 551,926, published June 28, 1949.
Suits and overcoats, Men's, boys', and students'. Sanders A. Levinsohn, Inc. 516,655, Oct. 18; Serial No. 554,315.
Suits, coats, vests, trousers, etc., Men's and young men's. The Middishade Company, Inc. 516,543, Oct. 18; Serial No. 553,501, published July 5, 1949.
Suits, Men's. The Joseph & Feiss Company. 516,442, Oct. 18; Serial No. 544,092, published June 21, 1949.
Suits, pants, jackets, riding breeches and jodhpurs. I. C. Isaac & Co. Inc. 516,473, Oct. 18; Serial No. 547,458, published June 21, 1949.
Suits, Women's. Knobby Coat Co., Inc. 516,518, Oct. 18; Serial No. 552,464, published June 21, 1949.
Sweaters and hosiery. Ballantyne of Peebles Incorporated. 516,660, Oct. 18; Serial No. 561,434.
Sweaters and hosiery. Ballantyne of Peebles Incorporated. 516,661, Oct. 18; Serial No. 562,749.
Sweaters and jackets, Knitted. Glenell Sportswear Co. 516,515, Oct. 18; Serial No. 552,240, published July 5, 1949.
Sweaters, blouses, outer sport shirts, etc., Ladies' and misses'. Carl Gutmann & Co., Inc. 516,506, Oct. 18; Serial No. 560,464, published June 14, 1949.
Sweaters, playsuits, and bathing suits, Ladies' and misses'. Irwill Knitwear Corp. 516,649, Oct. 18; Serial No. 550,704.
Topcoats, overcoats, and suits, Men's and boys'. The Joseph & Feiss Company. 516,398, Oct. 18; Serial No. 535,853, published July 5, 1949.
Underwear. The Manhattan Shirt Company. 268,462, Mar. 18, 1930. Republished Oct. 18.
Underwear, Knit, and cut and sewn underwear, etc. The Manhattan Shirt Company. 273,272, July 29, 1930. Republished Oct. 18.
Underwear, Knit, and cut and sewn underwear, etc. The Manhattan Shirt Company. 305,643, Aug. 22, 1933. Republished Oct. 18.
Wear, Men's, women's, and children's, etc. Mavest, Inc. 367,083, May 9, 1939. Republished Oct. 18.
Work-suits, One-piece. The H. D. Lee Mercantile Co. 120,403, Feb. 5, 1918. Republished Oct. 18.

CLASS 40

Combs. Du Pont Viscoloid Company. 262,984, Oct. 29, 1929. Republished Oct. 18.
Fasteners, Snap. United-Carr Fastener Corporation. 516,539, Oct. 18; Serial No. 497,891, published May 24, 1949.
Sewing baskets, Fitted, and kits; and nursery baskets, etc. Best & Co. Inc. 229,078, June 21, 1927. Republished Oct. 18.

CLASS 42

Chiffon, Crepe, in the piece. Duplex Silk Mills, Inc. 254,385, renewed Mar. 26, 1949. O. G. Oct. 18.
Cotton duck. Mt. Vernon-Woodberry Mills, Inc. 265,554, renewed Dec. 31, 1949. O. G. Oct. 18.
Draperies, Cotton, buntings, and gauzes, etc. F. A. Foster & Co. 75,534, re-renewed Oct. 12, 1949. O. G. Oct. 18.

Linens, Household and table, cambric handkerchiefs, linen piece goods, etc. John S. Brown & Co. 26,893, Aug. 6, 1895. Republished Oct. 18.
Pads, High chair, crib pads, play yard pads, etc. Best & Co. Inc. 373,194, Nov. 28, 1939. Republished Oct. 18.
Piece goods. A. Steinam Company, Inc. 423,469, Sept. 3, 1946. Republished Oct. 18.
Piece goods, Cotton. The Bury Quilting Manufacturing Company Limited. 516,614, Oct. 18; Serial No. 563,554, published May 17, 1949.
Piece goods, Silk. Susquehanna Silk Mills. 265,948, renewed Jan. 7, 1950. O. G. Oct. 18.
Sheets, Cotton, cotton pillowcases, cotton handkerchiefs, etc. Ware Shoals Manufacturing Company. 259,620, Aug. 6, 1929. Republished Oct. 18.
Straps, Silk carriage, textile knitted warmers for bottles, etc. Best & Co. Inc. 235,092, Nov. 8, 1927. Republished Oct. 18.

CLASS 44

Tampons. Consolidated Cosmetics. 421,213, May 21, 1946. Republished Oct. 18.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. The H. D. Lee Mercantile Company. 260,528, Aug. 27, 1929. Republished Oct. 18.
Beverages, Nonalcoholic, noncereal, maltless. Geo. Rasmussen Co. 265,435, renewed Dec. 24, 1949. O. G. Oct. 18.
Mineral water. The Apollinaris Company, Limited. 64,655, Aug. 20, 1907. Republished Oct. 18.

CLASS 46

Beverages, Nonalcoholic, noncereal, maltless. The H. D. Lee Mercantile Company. 260,528, Aug. 27, 1929. Republished Oct. 18.
Bread. Continental Baking Company. 261,941, Sept. 24, 1929. Republished Oct. 18.
Candy. E. J. Brach & Sons. 516,342, Oct. 18; Serial No. 500,458, published July 5, 1949.
Candy. B. C. Hise. 516,639, Oct. 18; Serial No. 531,800.
Candy. Jobbers Candy Company, Inc. 516,384, Oct. 18; Serial No. 531,803, published July 5, 1949.
Candy. Life Savers, Inc. 263,410, Nov. 5, 1929. Corrected. O. G. Oct. 18.
Candy. Mavrakos Candy Company. 516,365, Oct. 18; Serial No. 525,006, published July 5, 1949.
Candy, chocolate-coated candy, sweet chocolate candy bars, bon-bons, etc. Barricini Inc. 516,375, Oct. 18; Serial No. 528,755, published July 5, 1949.
Candy on sticks, Lumps of. C. A. Briggs Company. 516,372, Oct. 18; Serial No. 528,427, published July 5, 1949.
Canned citrus fruit juices. Holly Hill Fruit Products, Incorporated. 516,628, Oct. 18; Serial No. 510,681.
Canned fruits. Manteca Canning Company. 516,352, Oct. 18; Serial No. 515,626, published July 5, 1949.
Canned fruits and vegetables. Pratt-Low Preserving Company. 443,464, Oct. 18; Serial No. 521,407, published July 5, 1949.
Canned sardines. Central Canning Co. A/S. 516,366, Oct. 18; Serial No. 526,202, published July 5, 1949.
Canned vegetables. The Harris & Filler Co. 250,583, Dec. 11, 1928. Republished Oct. 18.
Canned vegetables, canned shrimp, and tomato catsup. S. Sofrance. 263,370, renewed Nov. 5, 1949. O. G. Oct. 18.
Coffee, Roasted. J. A. Folger & Company. 74,950, Aug. 24, 1909. Republished Oct. 18.
Condiments. The Staples Grocery Company, Inc. 211,134, Apr. 6, 1926. Amended. O. G. Oct. 18.
Cookies, canned vegetables, evaporated milk, etc. Geo. Rasmussen Co. 264,729, renewed Dec. 3, 1949. O. G. Oct. 18.
Dates. Smyrna Imports Co. Inc. 442,860, June 7, 1949. Republished Oct. 18.
Dinner, Complete Italian. Caravetta Foods Co. 516,357, Oct. 18; Serial No. 520,495, published July 5, 1949.
Eggs, Frozen. Detroit Butter & Egg Co. Inc. 257,119, renewed May 28, 1949. O. G. Oct. 18.
Feeds, Feed concentrates and mineral. Moorman Manufacturing Company. 393,933, Mar. 10, 1942. Republished Oct. 18.
Flour and self-rising flour, Wheat. Lillington Roller Mills, Inc. 516,361, Oct. 18; Serial No. 523,557, published June 14, 1949.
Flour for waffles, doughnuts, biscuits, etc., Prepared. Doughnut Corporation of America. 516,621, Oct. 18; Serial No. 575,897, published July 19, 1949.
Flour, Wheat. Distributors Trucking Corporation. 378,762-3, June 18, 1940. Republished Oct. 18.
Flour, Wheat. Distributors Trucking Corporation. 378,933, June 25, 1940. Republished Oct. 18.
Food composition in powdered form. R. G. Moench & Co., Inc. 516,362, Oct. 18; Serial No. 523,705, published July 5, 1949.
Fruits and nuts, Crushed and whole. Richardson Corporation. 516,388, Oct. 18; Serial No. 532,753, published July 5, 1949.
Fruits, Fresh citrus. W. G. Roe. 259,466, July 30, 1929. Republished Oct. 18.
Melons, Persian, casaba and honeydew fresh. Half Moon Fruit & Produce Co. 430,590, June 17, 1947. Republished Oct. 18.
Oleomargarine. John F. Jelke Company. 516,337, Oct. 18; Serial N. 486,778, published July 5, 1949.
Paprika. M. P. Kucsor. 103,004, Mar. 16, 1915. New certificate. O. G. Oct. 18.
Pears, Fresh. Highcroft Orchards. 516,358, Oct. 18; Serial No. 521,333, published July 5, 1949.
Pepper, spices, and tapioca. Parrish Brothers, Incorporated. 76,185, re-renewed Dec. 21, 1949. O. G. Oct. 18.
Pineapple, Candied or glacé. The Liberty Cherry & Fruit Co., Inc. 260,286, Aug. 20, 1929. Republished Oct. 18.
Popcorn. The Barteldes Seed Company. 269,861, Apr. 22, 1930. Republished Oct. 18.
Pop corn. Northwest Popcorn & Seed Co. 516,629, Oct. 18; Serial No. 511,493.
Sandwiches. Smokehouses, Inc. 516,363, Oct. 18; Serial No. 523,727, published July 5, 1949.
Sugar. Savannah Sugar Refining Corporation. 260,125, renewed Aug. 20, 1949. O. G. Oct. 18.
Tomato catsup, canned tomato concentrate, canned pork and beans, etc. Edward V. Stockham, Inc. 265,374, renewed Dec. 24, 1949. O. G. Oct. 18.
Tomatoes, Fresh. Di Franco & Urso. 443,457, Oct. 18; Serial No. 513,809, published July 5, 1949.

CLASS 49

Anisette. Hiram Walker & Sons, Inc. 373,203, Nov. 28, 1939. Republished Oct. 18.
Liqueur. Hiram Walker & Sons, Inc. 376,909, Apr. 9, 1940. Republished Oct. 18.

CLASS 50

Artificial leather. Stedfast Rubber Company. 253,986, Mar. 12, 1929. Republished Oct. 18.
Artificial leather. Stedfast Rubber Company. 262,504, Oct. 15, 1929. Republished Oct. 18.
Forms, Apparel display. L. A. Darling Company. 516,539, Oct. 18; Serial No. 553,186, published July 5, 1949.
Forms, Dress. P. Freret. 516,356, Oct. 18; Serial No. 520,139, published June 28, 1949.
Ladders, Aluminum. Race & Race, Inc. 516,494, Oct. 18; Serial No. 550,072, published June 21, 1949.
Plastic sheeting, Pliant synthetic. United States Rubber Company. 516,344, Oct. 18; Serial No. 501,424, published Oct. 19, 1948.
Mannequins. L. A. Darling Company. 516,537, Oct. 18; Serial No. 553,184, published July 5, 1949.
Mannequins, Children's. L. A. Darling Company. 516,538, Oct. 18; Serial No. 553,185, published July 5, 1949.
Mannequins, Children's. L. A. Darling Company. 516,540, Oct. 18; Serial No. 553,187, published July 5, 1949.
Mats, Rubber. S. M. Allwell. 516,503, Oct. 18; Serial No. 551,507, published June 21, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bulldog Electric Products Company, assignee: *See*—
Robertson, William, and Higgins.
Higgins, Louis W.: *See*—
Robertson, William, and Higgins.

Robertson, William, and L. W. Higgins, assignors to Bulldog Electric Products Company, Detroit, Mich. Panel board. Re. 23,156, Oct. 18.

LIST OF PLANT PATENTEES

Corliss Bros. Inc., assignee: *See*—
Corliss, Clifford D.
Corliss, Clifford D., Magnolia, assignor to Corliss Bros. Inc., Gloucester, Mass. Euonymus fortunei plant. 881, Oct. 18.
Dering, Eldon P., assignee: *See*—
Swim, Herbert C.
Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.
Overlook Nurseries, assignee: *See*—
Sawada, Kosaku.

Peterson & Dering: *See*—
Swim, Herbert C.
Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Carnation plant. 882, Oct. 18.
Sawada, Kosaku, Crichton Station, Ala., assignor, by mesne assignments, to Overlook Nurseries. Pyracantha plant. 884, Oct. 18.
Swim, Herbert C. Ontario, Calif., assignor, by mesne assignments, to Eldon Pinkenay Dering, doing business as Peterson & Dering, Scappoose, Oreg. Rose plant. 883, Oct. 18.

LIST OF DESIGN PATENTEES

Aciform Corporation, assignee: *See*—
Werner, John, and Zeigler.
Ackerman, Dolletta M., Los Angeles, Calif. Combination cosmetic jar or similar article. 155,564, Oct. 18.
Adler, Kurt, Scranton, Pa., and H. H. Rosenthal, New York, N. Y. Cigarette lighter. 155,565, Oct. 18.
Agricola, Karl A., assignor to Beauideal Inc., Saginaw, Mich. Step attachment for rung ladders. 155,566, Oct. 18.
American Safety Razor Corporation, assignee: *See*—
Arrighi, Angelo.
Ansul Chemical Company, assignee: *See*—
Johnson, Theodore W., and Hastert.
Arnold, Berel A., assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Billfold or the like. 155,567, Oct. 18.
Arrighi, Angelo, Union City, N. J., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cigarette holder. 155,568, Oct. 18.
Auto Lamp Manufacturing Co., assignee: *See*—
Dibelka, Henry G.
Bailey, Kenneth R., West Dearborn, Mich. Combined automobile and airplane. 155,569, Oct. 18.
Ballard, Wade E., assignor to B. A. Wagner, Los Angeles, Calif. Combined lipstick and lip brush. 155,570, Oct. 18
Bancroft-Rellim Corp., assignee: *See*—
Miller, Morris.
Beauideal Inc., assignee: *See*—
Agricola, Karl A.
Bender, Joseph M., Manhasset, assignor to Jacoby Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 155,571, Oct. 18.
Benrus Watch Company, Inc., assignee: *See*—
Grilikhes, Anatol.
Bertholin, Paul, New York, N. Y. Vibrating apparatus for treating human bodies. 155,572, Oct. 18.
Bingham, George H., Jr., assignor to The Cambridge Rubber Company, Taneytown, Md. Rubber boot. 155,573, Oct. 18.
Blue Mfg. Co., Inc., assignee: *See*—
Klein, Virgil G., and Blue.
Blue, Max T.: *See*—
Klein, Virgil G., and Blue.
Brodsky, Samuel, Brooklyn, N. Y. Combined rack and pot holders or similar article. 155,574, Oct. 18.
Brunswick-Balke-Collender Company, The, assignee: *See*—
Morse, Richard K.
Budlong, Vernon E., Brainerd, Minn. Compass dial. 155,575, Oct. 18.
Burch, Julius G., Borger, Tex. Golf tee marker. 155,576, Oct. 18.
Bushway, George H., North Hampton, N. H. Combined cooking and display case. 155,577, Oct. 18.

Cambridge Rubber Company, The, assignee: *See*—
Bingham, George H., Jr.
Candlin, James E., Jr.: *See*—
Murphy, Frank L., and Candlin.
Carr-Lowrey Glass Co., assignee: *See*—
Funkey, John H.
Cherry-Burrell Corporation, assignee: *See*—
Newhall, Benjamin G.
Chifari, Andrew, New York, N. Y. Watchcase top. 155,578, Oct. 18.
Chifari, Andrew, New York, N. Y. Watchcase top. 155,579, Oct. 18.
Coen, Aaron, Newark, N. J. Sunglasses. 155,580, Oct. 18.
Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,581, Oct. 18.
Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,582, Oct. 18.
Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,583, Oct. 18.
Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,584, Oct. 18.
Colt's Manufacturing Company, assignee: *See*—
Conner, Benjamin F.
Conner, Benjamin F., West Hartford, Conn., assignor to Colt's Manufacturing Company. Box. 155,585, Oct. 18.
Continental Trailer Company, assignee: *See*—
Painter, David L.
Daniels, Elmer H.: *See*—
Storm, Frederick K., Jr., and Daniels.
Darr, Harold W., Minneapolis, assignor to C. R. Myre, Paynesville, Minn. Lamp head. 155,586, Oct. 18.
Debonair, Inc., assignee: *See*—
Arnold, Berel A.
Dibelka, Henry G., assignor to Auto Lamp Manufacturing Co., Chicago, Ill. Combination directional signal and backup light. 155,587, Oct. 18.
Eagle Electric Mfg. Co., assignee: *See*—
Marino, Joseph.
Feinstein, Harold E.: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
Finke, Theodore R., Euclid, Ohio. Night light. 155,588, Oct. 18.
Foster Grant Co., Inc., assignee: *See*—
Ulvad, Bernard.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,589, Oct. 18.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York County, N. Y. Coat. 155,590, Oct. 18.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,591, Oct. 18.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,592, Oct. 18.
Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 155,593, Oct. 18.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 155,594, Oct. 18.
Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 155,595, Oct. 18.
Gaspari, Joseph, Rye, N. Y. Front for a spectacle frame. 155,596, Oct. 18.
Gaulke, John E., Milwaukee, Wis. Marking device for window screens, storm windows, or the like. 155,597, Oct. 18.
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Electric iron handle. 155,598, Oct. 18.
Glimcher, Aaron, Chelsea, Mass. Suit. 155,599, Oct. 18.
Gordon, Norman A., Oklahoma City, Okla. Collar point pin. 155,600, Oct. 18.
Grigg-Wahlbom, Inc., assignee: *See*—
Wahlbom, Ernest T.
Grillikhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,601, Oct. 18.
Grillikhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,602, Oct. 18.
Grillikhes, Anatol, assignor to Benrus Watch Company, Inc., New York, N. Y. Watch bezel. 155,603, Oct. 18.
Haft, Morris W., & Bros., Inc., assignee: *See*—
Cohen, Sidney.
Freedman, Jules.
Haldon Manufacturing Co., Incorporated, assignee: *See*—
Storm, Frederick K., Jr., and Daniels.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Napkin or similar article. 155,604, Oct. 18.
Harvey, James W., Lakeville, Conn. Combined frame and handle for fish nets. 155,605, Oct. 18.
Hastert, Harley G.: *See*—
Johnson, Theodore W., and Hastert.
Heinze, John O., Bessemer, Ala. Toy automobile. 155,606, Oct. 18.
Helms Industrial Development Company, assignee: *See*—
Helms, Laurence C. and Travis R., and Tungett.
Helms, Laurence C. and T. R., and G. Tungett, assignors to Helms Industrial Development Company, Grand Rapids, Mich. Automobile grille guard. 155,607, Oct. 18.
Helms, Travis R.: *See*—
Helms, Laurence C. and T. R., and Tungett.
Hilf, Hyman, New York, N. Y. Handbag. 155,608, Oct. 18.
Hooks, Bert R., Columbia, S. C. Portable speaker. 155,609, Oct. 18.
Hoover Company, The, assignee: *See*—
Gerber, Dale C.
Wilson, Herbert W.
Hountasis, Constantine A., Boston, Mass. Violin or similar article. 155,610, Oct. 18.
Jacoby-Bender, Inc., assignee: *See*—
Bender, Joseph M.
Jensen, Howard M.: *See*—
Young, Wilbur B., and Jensen.
Johnson, Theodore W., and H. G. Hastert, assignors to Ansul Chemical Company, Marinette, Wis. Portable hand fire extinguisher. 155,611, Oct. 18.
Kadleck, Lewis L., Dallas, Tex. Combined door guard and plaque. 155,612, Oct. 18.
Kahn, David, Englewood, assignor to David Kahn Inc., North Bergen Township, N. J. Fountain pen. 155,613, Oct. 18.
Kahn, David, Inc., assignee: *See*—
Kahn, David.
Klein, Virgil G., and M. T. Blue, Wichita, assignors to Blue Mfg. Co., Inc., Goddard, Kans. Vehicle top. 155,614, Oct. 18.
Kold-Krisp Apple Service, assignee: *See*—
Smiley, Eldridge H., and Storm, Jr.
Leather, George B., Esher, England. Hair drier. 155,615, Oct. 18.
Levy, Abraham, assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock case or similar article. 155,616, Oct. 18.
Manning, Phillip M., assignee: *See*—
Painter, David L.
Manning, Rosalie, assignee: *See*—
Painter, David L.
Marino, Joseph, Brooklyn, assignor to Eagle Electric Mfg. Co., Long Island City, N. Y. Attachable reading lamp. 155,617, Oct. 18.
Meyer, Carl P., Cicero, Ill. Combination portable display and storage case for rare postage stamps. 155,618, Oct. 18.
Miller, Morris, Roxbury, assignor to Bancroft-Rellim Corp., Boston, Mass. Combination juvenile seat and box for toys or similar articles. 155,619, Oct. 18.
Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
Mitchell, Grover L., Manchester, Conn. Boat. 155,620, Oct. 18.
Morse, Richard K., Fruitport, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Casing for a billiard scoring device or the like. 155,621, Oct. 18.
Murphy, Frank L., and J. E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car body. 155,622, Oct. 18.
Myre, Clifford E., assignee: *See*—
Darr, Harold W.
National Pressure Cooker Company, assignee: *See*—
Stevens, Clifford B.
Newhall, Benjamin G., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Plate type apparatus for handling fluids. 155,623, Oct. 18.
Pahlmann, William C., New York, N. Y. Sofa. 155,624, Oct. 18.
Painter, David L., Evanston, assignor to P. M and R. Manning and R. J. and M. Reidy, a partnership doing business as Continental Trailer Company, Chicago, Ill. Trailer. 155,625, Oct. 18.
Perreault, Joseph E., Northampton, Mass. Aero-spin toy. 155,626, Oct. 18.
Pouliot, Paul, assignor to Presto Lighters Limited, Montreal, Quebec, Canada. Table lighter. 155,627, Oct. 18.
Presto Lighters Limited, assignee: *See*—
Pouliot, Paul.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Murphy, Frank L., and Candlin.
Reidy, Marion, assignee: *See*—
Painter, David L.
Reidy, Robert J., assignee: *See*—
Painter, David L.
Reinstein, Harry, Rye, N. Y. Watchcase. 155,628, Oct. 18.
Reiter, George, New York, N. Y. Suit. 155,629, Oct. 18.
Robbins, John B., Alleghany, Calif. Ash tray. 155,630, Oct. 18.
Roedter, Henry E., Cincinnati, Ohio. Charcoal grill. 155,631, Oct. 18.
Rosenthal, Harry H.: *See*—
Adler, Kurt, and Rosenthal.
Russell, Lawrence H., Saginaw, Mich. Pitcher. 155,632, Oct. 18.
Sally, Theodore: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
Schneebaum, Frida, New York, N. Y. Charm or similar article. 155,633, Oct. 18.
Smiley, Eldridge H., Rosemead, and F. K. Storm, Jr., Los Angeles, Calif., assignors, by mesne assignments, to Kold-Krisp Apple Service. Vending machine cabinet. 155,634, Oct. 18.
Springer, Sam, assignor to 300 Chemical Co., Chicago, Ill. Combination oil cooking and implement heating stove. 155,635, Oct. 18.
Stahl, Harold H., New York, N. Y. Dress. 155,636, Oct. 18.
Stahl, Harold H., New York, N. Y. Dress ensemble. 155,637, Oct. 18.
Stahl, Harold H., New York, N. Y. Dress. 155,638, Oct. 18.
Stevens, Clifford B., Milwaukee, assignor to National Pressure Cooker Company, Eau Claire, Wis. Electric steam iron or the like. 155,639, Oct. 18.
Stoll, Harry, New York, N. Y. Collapsible utility cart or the like. 155,640, Oct. 18.
Storm, Frederick K., Jr.: *See*—
Smiley, Eldridge H., and Storm, Jr.
Storm, Frederick K., Jr., Los Angeles, and E. H. Daniels, Pasadena, assignors to Haldon Manufacturing Co., Incorporated, Los Angeles, Calif. Envelope sealer. 155,641, Oct. 18.
Strandhagen, Harry I., Fort Lauderdale, Fla. Bib or similar article. 155,642, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,643, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,644, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,645, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,646, Oct. 18.
Strassner, John F., New York, N. Y. Dress ensemble. 155,647, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,648, Oct. 18.
Strassner, John F., New York, N. Y. Dress ensemble. 155,649, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,650, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,651, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,652, Oct. 18.
Strassner, John F., New York, N. Y. Dress. 155,653, Oct. 18.
Tharler, Seymour, Leominster, Mass., assignor to Zadek-Feldstein Co., Inc., New York, N. Y. Blanket clip and holder. 155,654, Oct. 18.
300 Chemical Co., assignee: *See*—
Springer, Sam.
Tungett, George: *See*—
Helms, Laurence C. and T. R., and Tungett.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Napkin holder or the like. 155,655, Oct. 18.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Napkin holder or the like. 155,656, Oct. 18.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Condiment shaker. 155,657, Oct. 18.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Levy, Abraham.

Uribe, Sarah, Los Angeles, Calif. Sewing thimble. 155,658, Oct. 18.
Van Compernolle, Adolph A., Kansas City, Mo. Game board. 155,659, Oct. 18.
Vernon, Frederick L., Newton, Iowa. Weather information indicating apparatus. 155,660, Oct. 18.
Wachtin, Alfred: *See*—
Zandberg, Paul, Feinstein, Sally, and Wachtin.
Wagner, Blakely A., assignee: *See*—
Ballard, Wade E.
Wahlbom, Ernest T., assignor to Grigg-Wahlbom, Inc., Rockford, Ill. Bottle carrier. 155,661, Oct. 18.
Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 155,662, Oct. 18.
Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 155,663, Oct. 18.
Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair, armrest, and vibrator. 155,664, Oct. 18.
Wilson, Eliot B., Detroit, Mich. Water scope. 155,665, Oct. 18.
Wilson, Herbert W., assignor to The Hoover Company, North Canton, Ohio. Electric iron. 155,666, Oct. 18.
Young, Wilbur B., Bayport, and H. M. Jensen, Huntington, N. Y. Pin-up lamp. 155,667, Oct. 18.
Zadek-Feldstein Co., Inc., assignee: *See*—
Tharler, Seymour.
Zandberg, Paul, H. E. Feinstein, T. Sally, and A. Wachtin, Los Angeles, Calif. Toothbrush handle. 155,668, Oct. 18.
Zandberg, Paul, H. E. Feinstein, T. Sally, and A. Wachtin, Los Angeles, Calif. Toothbrush handle. 155,669, Oct. 18.
Zeigler, Albert H.: *See*—
Werner, John, and Zeigler.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. R. D. Corporation, assignee: *See*—
Guelph, John D.
Aasland, John L., Moline, Ill., assignor to International Harvester Company. Stalk shredding device. 2,484,802, Oct. 18.
Abbott, Geoffrey J., Carshalton, England. Machine for slicing potatoes. 2,485,344, Oct. 18.
Ackerman, Abe A., Freeland, Pa. Reflecting telescopic objective of the Cassegrainian type. 2,485,345, Oct. 18.
Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Fertilizer spreader. 2,484,800, Oct. 18.
Adams, Anna H., administratrix: *See*—
Alger, Harry.
Adams, Earl W., Los Altos, Calif., assignor, by mesne assignments, to The Permanente Metals Corporation. Pelleting magnesium dust. 2,485,128, Oct. 18.
Adams, Ralph G., Hackensack, and J. H. Johnston, Paramus, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic electric regulating system. 2,485,346, Oct. 18.
Addressograph-Multigraph Corporation, assignee: *See*—
Brewster, Donald B.
Adler, Max: *See*—
Wintersteiner, Oskar, and Adler.
Admiral Corporation, assignee: *See*—
Heidenblut, George R.
Advance Machine Company, assignee: *See*—
Pond, Harold J., and Arones.
Aerojet Engineering Corporation, assignee: *See*—
Sutton, George P., Wolfe, and Widenmann.
Aeroquip Corporation, assignee: *See*—
Main, Benjamin A., Jr., and Brandau.
Ahrens, Emmett F., Aitkin, Minn. Tree stand. 2,485,081, Oct. 18.
Albert, Carl B., assignee: *See*—
Coney, James D., and Albert.
Larson, Kenneth R., and Bils.
Albert, Carl B., Milwaukee, Wis. Garment blocker. 2,484,805, Oct. 18.
Albiswerk Zurich Aktiengesellschaft, assignee: *See*—
Strub, Richard.
Alexander, Peter, H. Burrows, and P. D. Smith, assignors to Wolsey Limited, Leicester, England. Treatment of nylon and other yarns. 2,485,230, Oct. 18.
Alexander, Peter, and J. W. Bell, assignors to Wolsey Limited, Leicester, England. Treatment of wool and the like. 2,485,250, Oct. 18.
Alger, Harry, Middletown, N. Y., A. H. Adams, administratrix of said H. Alger, deceased. Jackknife proof swivel coupling for tractor-trailer units. 2,485,251, Oct. 18.
Alginate Industries Limited, assignee: *See*—
Rose, Robert C.
All-Best Specialties Corp., assignee: *See*—
Siegel, Harry.
Allen, James S., and B. B. Rossi, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Detecting ionisation. 2,485,269, Oct. 18.
Allen, Lee G., Memphis, Tenn. Window ventilator. 2,484,922, Oct. 18.
Allison, Rufus K., Birmingham, Ala., assignor to Food Machinery and Chemical Corporation. Liquid sulfur dioxide solvent process for making olefin nitrosochlorides. 2,485,180, Oct. 18.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Hansen, Johannes.
Alltoys Limited, assignee: *See*—
Fassett, Thomas W.
Almond, John R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Door operating fluid motor system. 2,485,252, Oct. 18.
Altman, Larry: *See*—
Bleier, Arthur, and Altman.
Aluminum Company of America, assignee: *See*—
Smith, Arthur D.
Aluminum Goods Manufacturing Company, assignee: *See*—
Hansen, Harold, and Seefeldt.
Amalgamated Wireless (Australasia) Limited, assignee: *See*—
Vale, Keith R., and Benson.
American Bosch Corporation, assignee: *See*—
Lang, Gregor L.
American Can Company, assignee: *See*—
Hunter, Felix.
McDonell, Gordon H.
Nordquist, Ronald E. J., and Baumann.
Peters, John F.
Winters, William P.

American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Pickens.
Dudley, James R.
Kropa, Edward L.
Redmon, Bryan C.
Wohnsiedler, Henry P., and Thomas.
American Enka Corporation, assignee: *See*—
Buurman, Aart.
American Ore Reclamation Company, assignee: *See*—
Urban, William J.
American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Maatman, Egbert J.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Glennon, Charles F.
Papazian, Martin S.
American Tool & Machine Co., assignee: *See*—
Tholl, John E.
American Viscose Corporation, assignee: *See*—
Haley, Hugh D.
Andersen, Soren K., assignor to The Garrett Corporation, Airesearch Manufacturing Company, Division, Los Angeles, Calif. Humidity control in aircraft air conditioning. 2,485,522, Oct. 18.
Anderson, Eric M., Westbrook, Maine, assignor to Utilities Distributors, Inc. Fluid coupling. 2,484,924, Oct. 18.
Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Scavenging two-cycle internal-combustion engine. 2,484,923, Oct. 18.
Anderson, Olaf V., Providence, R. I. Centering device. 2,484,801, Oct. 18.
Anderson, Robert I., Grand Haven, and B. Hoeker, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Support for bowling alley masking units. 2,485,347, Oct. 18.
Andreas, John M., Pasadena, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Device for registration of superimposed films. 2,484,871, Oct. 18.
Anschicks, David P., Riverside, and F. M. Wright, Berwyn, Ill. Safety calculator. 2,485,181, Oct. 18.
Ansul Chemical Company, assignee: *See*—
Guise, Arthur B.
Guise, Arthur B., and Johnson.
Arent, Arthur, Fort Dodge, assignor to Arthur Arent Laboratories, Inc., Des Moines, Iowa. Aluminum plating process. 2,485,182, Oct. 18.
Arent, Arthur, Laboratories, Inc., assignee: *See*—
Arent, Arthur.
Armstrong Cork Company, assignee: *See*—
Schwarz, Frank J.
Arnason, Arni, Winnetka, Ill. Wire rope machine. 2,485,348, Oct. 18.
Arnold, Harry M., Golden, Colo. Pressure fired combustion chamber. 2,485,427, Oct. 18.
Arones, Daniel A.: *See*—
Pond, Harold J., and Arones.
Arrow Shoe Machinery Co., assignee: *See*—
Sutton, Roy N., and Thomas.
Arthur, Paul, Jr.: *See*—
Watson, Frederick K., and Arthur, Jr.
Arundale, Erving: *See*—
Frolich, Per K., and Arundale.
Ashbaugh, Bernard D., Mount Gilead, Ohio, assignor to H-P-M Development Corporation. Hydraulic injection of plastics as a continuous strip. 2,485,523, Oct. 18.
Askania Regulator Company, assignee: *See*—
Gundersen, Daniel T.
Austin, Gerald D., Atlanta, Ga., and M. Wishnovsky, Yeadon, Pa. Copy table assembly. 2,484,809, Oct. 18.
Avco Manufacturing Corporation, assignee: *See*—
Ebbeler, John R.
Ayerst, McKenna & Harrison Limited, assignee: *See*—
Savard, Kenneth.
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Composite brake rotor. 2,485,082, Oct. 18.
Bacon, Henry M., and J. Rockoff, Dayton, Ohio, assignors to The Dayton Rubber Company. Spinning apron. 2,484,810, Oct. 18.
Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,485,129, Oct. 18.
Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,485,130, Oct. 18.
Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,485,131, Oct. 18.
Baerwald, Hans G., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric crystal plate. 2,485,132, Oct. 18.

Baker, Charles P., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for control of beam energy. 2,485,470, Oct. 18.
Baker, Clyde A., Corning, and R. A. Hinkley, Steuben, assignors to Corning Glass Works, Corning, N. Y. Tempering apparatus. 2,484,925, Oct. 18.
Barbee, Charles E., Davis, and W. P. Berggren, Azusa, assignors to the Regent of the University of California, Berkeley, Calif. Separating machine. 2,485,027, Oct. 18.
Barber-Colman Company, assignee: *See*—
Purvin, Benjamin R.
Barr, Samuel R., Bridgeport, Conn., assignor to General Electric Company. Combined shutoff and metering valve. 2,485,349, Oct. 18.
Barrett, William J., assignor to New England Lime Company, Adams, Mass. Carbonating lime and separating the same from magnesia. 2,485,350, Oct. 18.
Baraky, George, assignor to E. F. Drew & Co. Inc., New York, N. Y. Modifying glyceride oils. 2,484,979, Oct. 18.
Basdekis, Costas H., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis Mo. Dehydrochlorination of chlorethyl polychlorobenzenes. 2,485,524, Oct. 18.
Bates, Suiley J., Lorain, Ohio, assignor to Stowe-Woodward, Inc., Newton Upper Falls, Mass. Bowling ball with flat sided finger holes. 2,485,471, Oct. 18.
Bauernfreund, Max, and J. Frei, New York, N. Y. Collapsible cosmetic and all-purpose utility box. 2,485,028, Oct. 18.
Baumann, Bruno A.: *See*—
Nordquist, Ronald E. J., and Baumann.
Baxter, Albert W., Ogdensburg, N. Y. Sadiron holder. 2,485,472, Oct. 18.
Becker, Henry E., Chicago, Ill., assignor, by mesne assignments, to G. E. Gagnier. Adjustable screen. 2,485,183, Oct. 18.
Becker, Rodger F., assignee: *See*—
Komassa, Jerome S.
Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Booster clutch mechanism. 2,484,811, Oct. 18.
Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Power energizing clutch mechanism. 2,484,812, Oct. 18.
Bedale, Paul W., Littleover, Derby, assignor to Rolls Royce Limited, Derby, England. Liquid-control and deaerating device. 2,485,525, Oct. 18.
Beech-Nut Packing Company, assignee: *See*—
Spraker, Leon G.
Beesley, Joseph L., assignee: *See*—
Krenzke, John G.
Behnke, August A., Chicago, Ill. Fluorescent light screen. 2,485,133, Oct. 18.
Bell, Alfred B., Philadelphia, Pa., and W. Staveley, assignors to Heywood-Wakefield Company, Gardner, Mass. Retractile leg rest. 2,484,803, Oct. 18.
Bell, James W.: *See*—
Alexander, Peter, and Bell.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Holden, Alan N.
Potter, Ralph K.
Scaff, Jack H., and Theuerer.
Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. 2,485,351, Oct. 18.
Bellavance, Arthur: *See*—
Kenney, Thomas F., and Bellavance.
Bendix Aviation Corporation, assignee: *See*—
Adams, Ralph G., and Johnston.
Bennett, Donald R. and P., Monterey Park, and R. C. Young, Downey, assignor of one-half to F. A. Shimer, Los Angeles, Calif. Injector operating mechanism for internal-combustion engines. 2,484,926, Oct. 18.
Bennett, Foster C., assignor to The Dow Chemical Company, Midland, Mich. Die casting apparatus. 2,485,526, Oct. 18.
Bennett, Pat: *See*—
Bennett, Donald R. and P., and Young.
Benson, John E.: *See*—
Vale, Keith R., and Benson.
Berczeller, Arpad, New York, N. Y. Bile acid amides of diaminodiphenylsultone. 2,485,253, Oct. 18.
Berggren, Willard P.: *See*—
Barbee, Charles E., and Berggren.
Bergstrom, Carl P., Millbury, and V. F. Sepavich, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detecting mechanism for drop box looms. 2,485,134. Oct. 18.
Bernard, George G.: *See*—
Bond, Donald C., Russell, and Bernard.
Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.
Bierman, Raymond C.: *See*—
Gilman, Webster E., and Bierman.
Bilofsky, Maxwell M., assignee: *See*—
Warsher, Adolph.
Bils, John G.: *See*—
Larson, Kenneth R., and Bils.
Bircher, John R., Jr., Columbus, assignor, by mesne assignments, to Interlake Chemical Corporation of Delaware, Cleveland, Ohio. Making an ion-exchange material from light oil acid sludges. 2,485,352, Oct. 18.

Bishop, Lynn W., assignee: *See*—
Porcello, Morris F.
Bishop, Maurice E., Nashville, Tenn. Trailer supported canopy. 2,485,473, Oct. 18.
Blackman, Seymour N., Teaneck, and H. Rosenblum, Rahway, assignors to Premo Pharmaceutical Laboratories, Inc., South Hackensack, N. J. Nebulizer. 2,485,184, Oct. 18.
Blaha, Stephen J., De Kalb, assignor to The Englander Company, Inc., Chicago, Ill. Bed spring. 2,484,872, Oct. 18.
Blake, Robert E., P. Grange, and W. L. Thomas, assignors to Northco Insulating and Ventilating Co., Mason City, Iowa. Droppings catcher. 2,484,927, Oct. 18.
Blanton, William B.: *See*—
Light, George G., and Blanton.
Bleier, Arthur, Sunnyside, and L. Altman, New York, N. Y.; said Bleier assignor to said Altman. Self-feeding paint roller device. 2,485,428, Oct. 18.
Bliss, E. W., Company, assignee: *See*—
Muller, Jules.
Blumenstock, Albert G., South Orange, N. J. Bed table and bookholder. 2,485,135, Oct. 18.
Bond, Donald C., Northbrook, N. B. Russell, Winnetka, and G. G. Bernard, assignors to The Pure Oil Company, Chicago, Ill. Drilling wells through formations which produce gas containing large amounts of hydrogen sulfide. 2,485,231, Oct. 18.
Boone, John F., Long Lake, N. Y. Safety device for guns. 2,484,928, Oct. 18.
Boosman, Herman B. R., and C. J. de L. de la Sabloniere, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio direction finder. 2,485,353, Oct. 18.
Boot Mills, assignee: *See*—
Kenney, Thomas F., and Bellavance.
Booth, Robert B., Springdale, and R. A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of copper sulfide ores with lignin sulfonates. 2,485,083, Oct. 18.
Bordenca, Carl, and W. A. Lasier, Birmingham, Ala., assignors to Food Machinery and Chemical Corporation. Nitroparaffin solvent process for making olefin nitrosochlorides. 2,485,185, Oct. 18.
Borg, George W., Corporation, The, assignee: *See*—
Warmey, Bernard A.
Borg-Warner Corporation, assignee: *See*—
Holt, Ray G.
Zeidler, Reinhold C.
Bower, John O., Wyncote, Pa. Spun suture. 2,484,813, Oct. 18.
Boyle, William R., assignor to The Rover Company Limited, Solihull, England. Liquid fuel supply system for internal-combustion engines. 2,485,186, Oct. 18.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Frequency stabiliser for oscillators. 2,485,029, Oct. 18.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency transmission system. 2,485,030, Oct. 18.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. High-frequency transmission system. 2,485,031, Oct. 18.
Brainard, Maurice W., assignor of one-half to O'Keefe and Merritt Company, Los Angeles, Calif. Permanent magnet rotor. 2,485,474, Oct. 18.
Brandau, Marvin W.: *See*—
Main, Benjamin A., Jr., and Brandau.
Brant, Ernest H., London, England, assignor to Celanese Corporation of America. Roller support for ball mills. 2,484,873, Oct. 18.
Bratby and Hinchliffe Limited, assignee: *See*—
Clarke, Leslie.
Brennan, Joseph B., Bratenahl, Ohio. Method and apparatus for drawing sheet metal. 2,485,354, Oct. 18.
Brennan, Joseph B., Cleveland, Ohio. Projection apparatus for tool setting. 2,485,355, Oct. 18.
Brenneman, August C., Cleveland, Mo. Tent trailer. 2,485,475, Oct. 18.
Bressler, Robert E., Oregon, Ill. Fuel feeding mechanism for stokers. 2,484,929, Oct. 18.
Brewster, Donald B., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Carbon ribbon feed attachment. 2,485,254. Oct. 18.
Bried, Edward A., Newport, assignor to Hercules Powder Company, Wilmington, Del. Bonding rubber to cellulosic fibers. 2,485,136, Oct. 18.
Briggs Manufacturing Company, assignee: *See*—
Burchard, Alonzo H.
Hathaway, Edward R.
Lyijynen, Fred.
British Mechanical Productions Limited, assignee: *See*—
Deakin, Stanley T.
Brno Arms Factor, National Corporation, assignee: *See*—
Koucky, Josef.
Broady, Thomas F., Maryville, Tenn., R. C. Heerdink, Los Angeles, and L. C. Marcheski, Lynwood, Calif. Ship recognition trainer. 2,484,814, Oct. 18.
Brofdo, Jacques J., Joinville-le-Pont, France. Presser and feeding claw unit for moving-picture apparatus. 2,485,255, Oct. 18.

Brown, Aldrich M., and M. L. Mascia, Montgomery, Ala. Ventilating apparatus. 2,485,356, Oct. 18.
Brown, George T., Somerville, Mass. Drainage valve system. 2,485,232, Oct. 18.
Brown, Louis I., assignee: *See*—
Tarshis, Ralph.
Brown, Roger W., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Adjustable variable slide actuator. 2,484,874, Oct. 18.
Brown, Walter J., and A. L. W. Williams, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Connection means for phonograph pickups. 2,485,137, Oct. 18.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,485,084, Oct. 18.
Brunswick-Balke-Collender Company, The, assignee: *See*—
Anderson, Robert I., and Hoeker.
Brush Development Company, The, assignee: *See*—
Baerwald, Hans G.
Brown, Walter J., and Williams.
Jaffe, Hans.
Bryant, Harold W.: *See*—
Cornthwaite, William R., and Bryant.
Bryant, Orby, Rolla, Mo. Brake apparatus. 2,485,032, Oct. 18.
Budd Company, The, assignee: *See*—
Murphy, Goodrich K.
Watter, Michael.
Budsien, Hugo F., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fuel injection pump. 2,485,033, Oct. 18.
Bugatti, Ettore, Paris, France. Preselecting mechanism for gear boxes. 2,485,034, Oct. 18.
Bunnett, Joseph F.: *See*—
Tarbell, Dean S., Shakespeare, and Bunnett.
Burch, Arthur R., Berkeley, Calif. Hand truck. 2,485,085, Oct. 18.
Burchard, Alonso H., St. Claire Shores, assignor to Briggs Manufacturing Company, Detroit, Mich. Electric lamp. 2,485,429, Oct. 18.
Burgess Battery Company, assignee: *See*—
MacFarland, Allison M.
Burgess-Manning Company, assignee: *See*—
Leadbetter, Ralph L.
Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind slot tilting mechanism. 2,484,804, Oct. 18.
Burrows, Henry: *See*—
Alexander, Peter, Burrows, and Smith.
Buurman, Aart, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of quaternary nitrogen compounds. 2,485,256, Oct. 18.
Cadot, Henry M., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of methylol aliphatic diureas and methylol aminotriazines. 2,485,187, Oct. 18.
Cagle, Toby T., Idaho Falls, Idaho. Wheel brake assembly with adjustable releasing means. 2,485,086, Oct. 18.
Caldwell, William E., Greenfield, Mass., assignor to Carman & Co., Inc., New York, N. Y. Clothes stretcher. 2,485,257, Oct. 18.
California Container Corporation, assignee: *See*—
Van Saun, Raymond H.
California Research Corporation, assignee: *See*—
Shiffler, William H., and Claussen.
Callaway Mills Company, assignee: *See*—
Parker, Samuel P.
Camloc Fastener Corporation, assignee: *See*—
Nicolet, Constant E.
Candy, Albert M., La Grange, assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Ferrule for welding studs. 2,485,357, Oct. 18.
Cardwell, Paul H., Tulsa, Okla., assignor to The Dow Chemical Company, Midland, Mich. Forming sealing deposits in wells. 2,485,527, Oct. 18.
Cardwell, Paul H., Tulsa, Okla., and G. E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich. Composition for descaling ferrous metal surfaces. 2,485,528, Oct. 18.
Cardwell, Paul H., Tulsa, Okla., and G. E. Mullin, Philadelphia, Pa., assignors to The Dow Chemical Company, Midland, Mich. Composition for removing scale from ferrous metal surfaces. 2,485,529, Oct. 18.
Carman & Co., Inc., assignee: *See*—
Caldwell, William E.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Case, Samuel L.
Nebe, Peter J.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-gain antenna system. 2,485,138, Oct. 18.
Cartier, Inc., assignee: *See*—
Desouches, Gerard.
Case, Samuel L., Columbus, Ohio, assignor, by mesne assignments, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Free machining steel. 2,485,358, Oct. 18.
Catalini, Domenic, assignor to Charlton Company, Inc., Fitchburg, Mass. Sofa bed. 2,485,188, Oct. 18.
Celanese Corporation of America, assignee: *See*—
Brant, Ernest H.
Olpin, Henry C., and House.
Chain Belt Company, assignee: *See*—
Eickstaedt, Edwin A. C.
Longenecker, Charles I.
Chambers, Thomas S., Newark, and O. C. Slotterbeck, Rahway, N. J., assignors to Standard Oil Development Company. Electrodepositing lead on copper from a nitrate bath. 2,485,258, Oct. 18.
Chance, Franklin S.: *See*—
Kvalnes, Hamline M., and Chance.
Chandler, Milton E., New Britain, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,485,430, Oct. 18.
Charlton Company, Inc., assignee: *See*—
Catalini, Domenic.
Chensky, Frank T., Andalusia, Ala. Holder for fruit and vegetables. 2,485,035, Oct. 18.
Cherry-Burrell Corporation, assignee, joint owner: *See*—
Lundal, Ingle J.
Chrisler, Willard L., Kenmore, assignor to National Gypsum Company, Buffalo, N. Y. Acoustical plaster and method of making. 2,485,259, Oct. 18.
Christopher, Merle E., El Paso, Tex. Lock joint for anatomical appliances. 2,485,036, Oct. 18.
Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Engine control apparatus. 2,485,431, Oct. 18.
Churchill, Wilmer H., Sagus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener for attaching container backs or covers. 2,485,189, Oct. 18.
Ciba Limited, assignee: *See*—
Grossmann, Paul.
Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hartmann, Max, and Merz.
Miescher, Karl, and Marxer.
Cima, Charles, Riverdale, Ill. Christmas tree holder. 2,485,233, Oct. 18.
Cincinnati Milling Machine Co., The, assignee: *See*—
Hassman, Fred A., and Herfurth.
Hoier, Walter A., Rivoira, and Mehlhope.
Romaine, Millard, and Vancil.
Clair, Arthur D., assignee: *See*—
Jockers, Harry W.
Clark, Richard U., Winchester, assignor to Tobe Deutschmann Corporation, Canton, Mass. High-intensity electron flash tube circuits. 2,485,037, Oct. 18.
Clarke, Leslie, Stockport, assignor of one-half to Brathy and Hinchliffe Limited, Manchester, Lancashire, England. Machine for filling containers with liquids. 2,485,190, Oct. 18.
Claussen, William H.: *See*—
Shiffler, William H., and Claussen.
Clay Equipment Corporation, assignee: *See*—
Clay, Joseph B.
Clay, Joseph B., assignor to Clay Equipment Corporation, Cedar Falls, Iowa. Tilting gate. 2,484,980, Oct. 18.
Cleveland Automatic Machine Company, The, assignee: *See*—
Jelinek, Alfred F.
Coats, Gilbert E., Fort Dodge, Iowa. Shovel loading machine. 2,485,139, Oct. 18.
Cole, John W.: *See*—
Julian, Percy L., Cole, Magnani, and Meyer.
Colinet, Rene D., Philadelphia, Pa., assignor to La Soudure Electrique Autogene S. A., Brussels, Belgium. Holder for arc welding and arc cutting of metals. 2,485,360, Oct. 18.
Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
Commerce Guardian Bank: *See*—
Snell, Samuel A.
Commerce National Bank of Toledo, executor: *See*—
Snell, Samuel A.
Condit, William B., H. E. Helfrick, and E. T. Poole, assignors to The Steel Products Engineering Company, Springfield, Ohio. Broken tap removing. 2,485,361, Oct. 18.
Cone Automatic Machine Company, Inc., assignee: *See*—
Brown, Roger W.
Coney, James D., Chicago, Ill., and C. B. Albert, Milwaukee, Wis.; said Coney assignor to said Albert. Garment blocker. 2,484,808, Oct. 18.
Connolly, Gerald C., Elisabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon conversion in presence of silica-magnesia catalyst. 2,485,260, Oct. 18.
Container Corporation of America, assignee: *See*—
Graf, Paul A.
Continental Can Company, Inc., assignee: *See*—
Coyle, John, and Punte.
Vang, Alfred.
Cook, James M., and S. C. Salter, assignors to Kalamazoo Stove & Furnace Company, Kalamazoo, Mich. Cooking stove or range. 2,485,359, Oct. 18.
Cooper, Howell C., Sewickley, Pa. Heat transfer and precipitation means. 2,484,875, Oct. 18.
Copeland, Everett D., assignee: *See*—
Johnson, Chester W.
Copeman Laboratories Company, assignee: *See*—
Jennings, Harley Y.
Cordero, Modesto, assignee: *See*—
Cordero, Modesto L.
Cordero, Modesto L., assignor to M. Cordero, New York, N. Y. Towel steaming appliance. 2,485,140, Oct. 18.
Cork, Edward C., Ealing, London, assignor to Electrical & Musical Industries Limited, Hayes, England. Broad band antenna. 2,485,482, Oct. 18.
Cornelius, Richard T., Minneapolis, Minn. Musical instrument. 2,484,930, Oct. 18.

Corning Glass Works, assignee: *See*—
Baker, Clyde A., and Hinkley.
Cornthwaite, William R., Wilmington, Del., and H. W. Bryant, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous emulsion polymerisation of vinyl acetate. 2,485,141, Oct. 18.
Corawell, Lionel B., New Canaan, Conn. Magnetic phonograph pickup. 2,485,432, Oct. 18.
Coryer, Albert E., Racine, Wis. Rock crusher. 2,485,362, Oct. 18.
Coss, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Nozzle height adjustment arrangement for suction cleaners. 2,485,363, Oct. 18.
Cothay, Frank H., assignor of one-half to London Tin Corporation Limited, London, England. Bucket elevator. 2,484,931, Oct. 18.
Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Producing nitrogen oxide. 2,485,476, Oct. 18.
Cotton, William J., Chicora, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Producing nitrogen oxide in an electrical discharge apparatus. 2,485,477, Oct. 18.
Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemically producing nitrogen oxide in the presence of tantalum electrodes. 2,485,478, Oct. 18.
Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,479, Oct. 18.
Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,480, Oct. 18.
Cotton, William J., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Electrochemical production of nitrogen oxide. 2,485,481, Oct. 18.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Windrowing attachment for mowers. 2,484,981, Oct. 18.
Cousteau, Jacques Y., and E. Gagnan, Paris, France. Diving unit. 2,485,039, Oct. 18.
Coutant, André C., assignor to S. R. Coutard, born Mathot, Paris, France. Motion-picture camera stand. 2,484,982, Oct. 18.
Coutard, Susanne R., assignee: *See*—
Coutant, André C.
Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Vapor pressure type thermal power element. 2,484,932, Oct. 18.
Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Metal file cabinet. 2,484,933, Oct. 18.
Crane Co., assignee: *See*—
Pierce, Joseph D., and Towner.
Cravens, Lawrence F., New York, N. Y. Combined time record and payroll envelope. 2,485,261, Oct. 18.
Crawford, Cullen B., Cleveland, assignor to Crawford Fitting Company, Shaker Heights, Ohio. Tube coupling. 2,484,815, Oct. 18.
Crawford Fitting Company, assignee: *See*—
Crawford, Cullen B.
Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P., and Sepavich.
Crucible Steel Company of America, assignee: *See*—
Payson, Peter.
Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure responsive device. 2,485,433, Oct. 18.
Culbert, Fred J., Norfolk, Va. Liquid cooled muffler with plural expansion chambers. 2,484,816, Oct. 18.
Culkosky, Martin, Gary, Ind. Apparatus for washing and cooling gases. 2,485,038, Oct. 18.
Culver, Lloyd A., Fullerton, Calif. Golf score indicator. 2,485,191, Oct. 18.
Cunningham, Thomas J., Baltimore, Md. Electric lighted key chain. 2,485,483, Oct. 18.
Cupo, William J., Jersey City, N. J., assignor to Waldrof Paper Products Co., St. Paul, Minn. Carton handling apparatus. 2,485,040, Oct. 18.
Curtiss-Wright Corporation, assignee: *See*—
Dean, George A.
McPherson, Arthur D., Dalton, and Smith.
Schoenbaum, Joseph R.
Westcott, William B., Jr.
Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W.
Cynamon, Charles and E. A., New York, N. Y. Vehicle rear axle housing support. 2,485,434, Oct. 18.
Cynamon, Edward A.: *See*—
Cynamon, Charles and E. A.
DMG Corporation, assignee: *See*—
McKnight, Stanley A.
Dalton, Robert M.: *See*—
McPherson, Arthur D., Dalton and Smith.
Dana Corporation, assignee: *See*—
Peterson, Carl D., and Deimel.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing means. 2,484,983, Oct. 18.
Davis, Albert E., New York, N. Y. Window screen. 2,484,984, Oct. 18.
Davis & Furber Machine Company, assignee: *See*—
Howes, Irving C.
Davison Chemical Corporation, The, assignee: *See*—
Weir, Horace M.
Dayton Rubber Company, The, assignee: *See*—
Bacon, Henry M., and Reckoff.
Deakin, Stanley T., Ewell West, assignor to British Mechanical Productions Limited, London, England. Contact element for plug-in sockets. 2,485,364, Oct. 18.
Dean, Cullen H., Flomaton, Ala. Bicycle shock absorber. 2,485,484, Oct. 18.
Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Aircraft propeller spinner anticing system. 2,485,234, Oct. 18.
Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.
De Armond, James K., Arlington, Va. Antenna for aircraft. 2,484,817, Oct. 18.
Debonair, Inc., assignee: *See*—
Renz, Emil K.
Debrey, Michael, East Moline, Ill. Alternating current relay. 2,484,934, Oct. 18.
Decker, George A., Fenton, assignor to Link Aviation, Inc., Binghamton, N. Y. Radio navigation training device. 2,485,262, Oct. 18.
Deere & Company, assignee: *See*—
Coultas, Wilbur J.
Deere Manufacturing Co., assignee: *See*—
Hill, George B.
De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Direction finding by means of rotating radio beacons. 2,485,365, Oct. 18.
Dehmel, Richard C., Summit, N. J. Aircraft navigating and training apparatus. 2,485,435, Oct. 18.
Deimel, Albert H.: *See*—
Peterson, Carl D., and Deimel.
De la Sablonière, Christiaan J. de L., assignee: *See*—
Boosman, Herman B. R., and de la Sablonière.
Dennison Manufacturing Company, assignee: *See*—
Flood, Carl A.
De Rooy, Edward F., Alberni, British Columbia, assignor of one-third to T. M. Peterson, Port Alberni, British Columbia, Canada. Sole protector. 2,484,935, Oct. 18.
Desouches, Gerard, Paris, France, assignor to Cartier, Inc., New York, N. Y. Lighter. 2,485,041, Oct. 18.
Deutschmann, Tobe, assignee: *See*—
Rich, Stanley R.
Dezso, Emery, Mishawaka, Ind. Striker operator for musical instruments. 2,484,936, Oct. 18.
Diamond, Abe, Jacksonville, Fla. Illuminated fishing float. 2,485,087, Oct. 18.
Dickinson, Ingram, assignor to Southern Belting Company, Atlanta, Ga. Manufacture of leather belting. 2,484,937, Oct. 18.
Dietz, William C. F., Cincinnati, Ohio. Collapsible baby bed. 2,485,436, Oct. 18.
Digby, Calvin A., Atlanta, Ga. Adjustable blind for windows. 2,485,263, Oct. 18.
Di Giorgio, Philip A., and A. E. Newkirk, Schenectady, N. Y., assignors to General Electric Company. Resolution of constant boiling mixtures of chloroalkanes. 2,485,366, Oct. 18.
Dillow, Noel E., Schenectady, N. Y., assignor to General Electric Company. Ground-fault neutralizer by-pass switch reopening equipment. 2,485,367, Oct. 18.
Dodge, George W., assignor to The Noble & Wood Machine Company, Hoosick Falls, N. Y. Pulper. 2,485,368, Oct. 18.
Dodge, Milton L., Newburyport, Mass. Machine for shaping shoe end portions. 2,484,876, Oct. 18.
Dodge, Milton L., Newburyport, Mass. Shoe upper molding machine. 2,484,877, Oct. 18.
Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Push-pull amplifier system. 2,485,369, Oct. 18.
Dore, Evelyn, Bronx, N. Y. Electric lamp. 2,485,530, Oct. 18.
Dornvan Corporation, The, assignee: *See*—
Van Dorn, Herbert E.
Doud, Fred L., and S. H. Hunt, assignors to Highway Safety Appliances, Incorporated, St. Paul, Minn. Road sanding mechanism for automobiles. 2,484,985, Oct. 18.
Dow Chemical Company, The, assignee: *See*—
Bennett, Foster C.
Cardwell, Paul H.
Cardwell, Paul H., and Mullin.
Drew, E. F., & Co. Inc., assignee: *See*—
Barsky, George.
Drew, Richard G.: *See*—
Ebel, Clarence J., and Drew.
Dreyer, Albert, Lucerne, Switzerland. Pressure-balanced pipe-expansion joint. 2,485,370, Oct. 18.
Dreyer, John F., assignor to The General Polarising Company, Cincinnati, Ohio. Light polarising mirror. 2,484,818, Oct. 18.
Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Removing anions from fluid media. 2,485,486, Oct. 18.
Duffy, Edward F., assignor to La Crosse Trailer Corporation, La Crosse, Wis. Tractor-trailer hitch. 2,485,371, Oct. 18.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Patremio, Salvatore R.
Duncan, Theodore R., North Hollywood, Calif. Whistling toy. 2,485,142, Oct. 18.
Duncan, Theodore R., North Hollywood, Calif. Game piece. 2,485,143, Oct. 18.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cadet, Henry M.
Cornthwaite, William R., and Bryant.
Gresham, William F., and Schweitzer.
Gresham, William F., and Tabet.
Izard, Emmette F.
Kvalnes, Hamline M., and Chance.
Peirce, George A.
Rintelman, William L.
Watson, Frederick K., and Arthur, Jr.
Webb, Irving D.

Dwyer, Frank W., Chicago, Ill. Pressure gauge. 2,485,437, Oct. 18.

Dyas, William, West Islip, and G. S. King, Bay Shore, N. Y. Surgical toggle bolt. 2,485,531, Oct. 18.

Eastman Mfg. Company, assignee: *See*—
Halliay, Raymond J.

Ebbeler, John R., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Antenna for signal receivers. 2,485,264, Oct. 18.

Ebel, Clarence J., West St. Paul, and R. G. Drew, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,484,938, Oct. 18.

Eberl, James J., Bound Brook, N. J., assignor to Hercules Powder Company, Wilmington, Del. Preparing protein dispersions. 2,484,878, Oct. 18.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Separation of trilsobutylene isomers. 2,485,265, Oct. 18.

Edinburg, Murray W., Worcester, Mass., assignor to Link Aviation, Inc., Binghamton, N. Y. Training apparatus. 2,485,266, Oct. 18.

Edison, Thomas A., Incorporated, assignee: *See*—
Hornor, Aurelius P.
Wrigley, Dwight A.

Edmondson, James J., Toronto, Ontario, Canada. Adjustable tobacco pipe reamer. 2,485,438, Oct. 18.

Eickstaedt, Edwin A. C., West Allis, assignor to Chain Belt Company, Milwaukee, Wis. Multiway liquid valve. 2,485,192, Oct. 18.

Electrical & Musical Industries Limited, assignee: *See*—
Cork, Edward C.

Ellinger, Flora H., Chicago, Ill. Scouring pad gripper. 2,484,986, Oct. 18.

Ellis, Herbert B., Pasadena, assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Heat exchanger reinforcing means. 2,485,088, Oct. 18.

Ellner, George G., Long Island, N. Y. Apparatus for sterilising liquids by irradiating means. 2,485,267, Oct. 18.

Englander Company, Inc., The, assignee: *See*—
Blaha, Stephen J.

Enterprise Railway Equipment Company, assignee: *See*—
Zimmer, Albert E.

Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,485,439, Oct. 18.

Ernsberger, Fred M.: *See*—
MacPherson, Donald R., France, and Ernsberger.

Ernst, Walter, and C. Hedrick, Mount Gilead, Ohio, assignors to H-P-M Development Corporation, Wilmington, Del. Hydraulic press equipped with a synchronized stripping plunger. 2,484,879, Oct. 18.

Eschelbacher, Emanuel, New York, N. Y. Resilient insert strip for drop seat garments. 2,485,268, Oct. 18.

Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: *See*—
Keller, Curt.

Eschrich, Leroy S., Pittsburgh, Pa. Louvered awning. 2,484,987, Oct. 18.

Espenship, Abram C., Collegeville, assignor to H. L. Gabel and A. C. Espenship, co-partners trading as The Pen Rod Company, Gilbertsville, Pa. Fishing rod handle. 2,485,144, Oct. 18.

Eureka Williams Corporation, assignee: *See*—
Coss, George R.
Witherell, Robert R.

Evans, Vincent J., Lakewood, Ohio, assignor to Grand Industries, Inc. Combination burner and grate. 2,485,145, Oct. 18.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

Fabre, Gabriel, assignee: *See*—
Gatti, Francois.

Fairbanks, Morse & Co., assignee: *See*—
Budslen, Hugo F.

Falk Corporation, The, assignee: *See*—
Rae, Walter S., Jr.

Famco, Inc., assignee: *See*—
Finch, Harold L.

Farnham, Sherman B., and R. Sheppard, Schenectady, N. Y., assignors to General Electric Company. Turbine-generator load control system. 2,485,374, Oct. 18.

Farrell, Walter O., assignor to Rainfair, Inc., Racine, Wis. Capping bottles. 2,485,372, Oct. 18.

Farrell, Walter O., Indianapolis, Ind., assignor to Rainfair, Inc., Racine, Wis. Apparatus for hooding or capping bottles. 2,485,373, Oct. 18.

Fassett, Thomas W., Hayes, assignor to Alltoys Limited, Brentford, Middlesex, England. Wheeled vehicle for children. 2,484,939, Oct. 18.

Fassin, Gustave, Los Gatos, assignor, by mesne assignments, to Lane-Wells Company, Los Angeles, Calif. Optical slit. 2,485,089, Oct. 18.

Felt & Tarrant Manufacturing Company, assignee: *See*—
Niemann, Frederick A.

Ferguson, Harry R.: *See*—
Patrick, Joseph C., and Ferguson.

Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,486, Oct. 18.

Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,487, Oct. 18.

Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,488, Oct. 18.

Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,489, Oct. 18.

Ferguson, William H., Malden, assignor to H. K. Porter, Inc., Everett, Mass. Tool for reshaping automobile panels. 2,485,490, Oct. 18.

Ferrill, Thomas M., Jr., Hempstead, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,484,819, Oct. 18.

Finch, Harold L., Davenport, Iowa, assignor to Famco, Inc. Channel clip. 2,485,090, Oct. 18.

Finlay, Walter L., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Controlling shot patterns. 2,484,988, Oct. 18.

Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Label dispenser. 2,484,880, Oct. 18.

Fluid Control Engineering Co., assignee: *See*—
Gannon, Thomas E.

Flynn, Clarence E., St. Louis, Mo. Cutlery. 2,485,375, Oct. 18.

Fodor, Joseph L., South Norwalk, Conn. Electropneumatic loud-speaker. 2,485,269, Oct. 18.

Foglio, James J., New Rochelle, N. Y. Foldable ironing board. 2,485,193, Oct. 18.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of chloroethylene compounds in aqueous emulsion in the presence of amino-alcohols. 2,485,270, Oct. 18.

Food Machinery and Chemical Corporation, assignee: *See*—
Allison, Rufus K.
Bordenca, Carl, and Lazier.

Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Manufacture of chloro cresoxy acetic acid. 2,485,146, Oct. 18.

Fowlkes, George V., Tulsa, Okla. Stop toe for roller skates. 2,485,147, Oct. 18.

Fralin, Albert L., Miami, Fla. Antiroosting device. 2,485,148, Oct. 18.

France, Wesley G.: *See*—
MacPherson, Donald R., France, and Ernsberger.

Franzheim, George W., Dunkirk, N. Y. Valve. 2,484,940, Oct. 18.

Frederick, Marvin R., Wadsworth, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of bis (2-carboxyalkyl) sulfones. 2,485,271, Oct. 18.

Freed, Meyer L., Ansonia, and O. A. Stocker, Derby, assignors to The Seymour Manufacturing Company, Seymour, Conn. Bright nickel plating compositions and process. 2,485,149, Oct. 18.

Freeman, Ellis, Sarasota, Fla. Optical eye testing apparatus. 2,485,272, Oct. 18.

Freeman, Howard G., assignor to Rockwood Sprinkler Company, Worcester, Mass. Deluge valve. 2,485,091, Oct. 18.

Frei, Jacob: *See*—
Bauernfreund Max, and Frei.

Friedheim, Frank, Minneapolis, Minn. Auxiliary glare shield. 2,485,440, Oct. 18.

Friedman, Louis D., New York, N. Y. Tiltable container with measuring trap. 2,485,194, Oct. 18.

Friend, Carl F., Burbank, Calif. Bolt casing. 2,485,042, Oct. 18.

Frolich, Per K., and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Copolymer of butadiene-1,3 and alpha methyl para methylstyrene. 2,485,273, Oct. 18.

Funk, Truman B., Jackson, Mich. Grass trimmer. 2,484,989, Oct. 18.

Funk, Truman B., Jackson, Mich. Grass trimmer. 2,484,990, Oct. 18.

Fuqua, Mack C.: *See*—
Steele, Clellie T., and Fuqua.

Fuschi, Antonio, New York, N. Y. Rectangular translucent sound track record. 2,484,881, Oct. 18.

Gabel, Harry L., assignee: *See*—
Espenship, Abram C.

Gagnan, Emile: *See*—
Cousteau, Jacques Y., and Gagnan.

Gagnier, George E., assignee: *See*—
Becker, Henry E.

Galetzky, Hyman, Bronx, N. Y. Plectrum or pick for musical instruments. 2,484,820, Oct. 18.

Gallagher, William P., C. Weber, and P. E. Sutor, assignors to International Register Company, Chicago, Ill. Timing mechanism. 2,485,195, Oct. 18.

Gannon, Thomas E., Oakland, assignor, by mesne assignments, to Fluid Control Engineering Co., Emeryville, Calif. Valve construction. 2,485,092, Oct. 18.

Garrett Corporation, The, assignee: *See*—
Wood, Homer J.

Garrett Corporation, Airesearch Manufacturing Company Division, The, assignee: *See*—
Andersen, Sorren K.
Ellis, Herbert B.
Roth, Herman P., and Warstler.

Garrett, Maurice C., New York, N. Y. Pencil sharpener. 2,485,441 Oct. 18.

Garrett, Roy G., Edmond, Okla. Cutoff gauge for saw tables. 2,485,274, Oct. 18.

Garrison, Edgar W., Jr.: *See*—
Turnham, Fitshugh H., and Garrison, Jr.

Gatti, Francois, Spiegel-Berne, Switzerland, assignor to G. Fabre, New York, N. Y. Nonstarch dessert composition. 2,485,043, Oct. 18.

Gehrke, Willard H., Menasha, Wis., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl acetate production. 2,485,044, Oct. 18.

Geller, Samuel, Brooklyn, N. Y. Clothespin rack. 2,485,275, Oct. 18.

Gelpke, Karl A., Edgefield, S. C. Spindle. 2,485,093, Oct. 18.

Gendel, Alice, assignee: *See*—
Rosen, Paul.

Gendron Wheel Company, assignee: *See*—
Rideout, John G.

General Aniline & Film Corporation, assignee: *See*—
Verdery, Charlotte G., and Vogt.
Von Glahn, William H., and Stanley.
Wilkinson, Joseph M., Jr.

General Electric Company, assignee: *See*—
Barr, Samuel R.
Di Giorgio, Philip A., and Newkirk.
Dillow, Noel E.
Dome, Robert B.
Farnham, Sherman B., and Sheppard.
Griffin, Wilfrid.
Langmuir, Irving.
Logan, James T.
Lord, Harold W.
Mandl, Arthur.
McArthur, Elmer D.
Meiklejohn, William H.
Noel, Edward B.
Noel, Edward B., and Seitz.
Pollock, Herbert C., and Westendorp.
Steenstrup, Carl H.
Taylor, Augustus H.

General Foods Corporation, assignee: *See*—
Hall, Bicknell.
Raye, George W.

General Motors Corporation, assignee: *See*—
Saunders, Orson V.

General Polarising Company, The, assignee: *See*—
Dreyer, John F.

Gerber, Paul D., Woodlynne, N. J., assignor to Radio Corporation of America. Piezoelectric oscillator. 2,485,045, Oct. 18.

Gerbes, Otto, Goose Creek, Tex., assignor to Standard Oil Development Company. Inhibiting corrosion caused by liquid aluminum halide catalysts. 2,485,276, Oct. 18.

Gilmn, Edward S., Auburn, Wash. Switch mechanism. 2,484,991, Oct. 18.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A.
Mesh, Theodore J.

Gilbert, Harry, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Producing clear, bubble-free castings by polymerizing monomeric vinylidene compounds in the presence of nitric oxide. 2,485,277, Oct. 18.

Gilman, Webster E., River Forest, and R. C. Bierman, Clarendon Hills, assignors to Permoflux Corporation, Chicago, Ill. Hand microphone and switch. 2,485,278, Oct. 18.

Ginlewski, Otto I., Jerusalem, assignor of one-half to M. Piha, Talbieh-Jerusalem, Palestine. Preparation of extracts from citrus fruit peel. 2,485,279, Oct. 18.

Ginther, Elwood I., Philadelphia, Pa. Demountable hollow molding and receptacle. 2,484,992, Oct. 18.

Girdler Corporation, The, assignee: *See*—
Hickok, Willard H.

Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Mineral oil compositions. 2,485,150, Oct. 18.

Glavis, Frank J., Elkins Park, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Corrosion-resisting lubricating compositions. 2,485,376, Oct. 18.

Glennon, Charles F., Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Wire-end bending attachment for drawing blocks. 2,485,046, Oct. 18.

Glenny, Arthur P., Hanworth, assignor to The Sperry Gyroscope Company, Ltd., Brentford, England. Gimbal and other bearings. 2,484,821, Oct. 18.

Glidden Company, The, assignee: *See*—
Julian, Percy L., Cole, Magnani, and Meyer.

Goodrich, B. F., Company, The, assignee: *See*—
Folt, Vernon L.
Frederick, Marvin R.
Gilbert, Harry.
Gregory, James T.
Henson, Robert T., Wheelock, and Riggs.
Hollerith, Charles.
Stewart, William D., and Standen.

Goodyear Aircraft Corporation, assignee: *See*—
Mayne, Robert, and Hosterman.
Shaw, Elgin L.

Gorrell, John E., Haworth, N. J. Gear-changing drive. 2,485,151, Oct. 18.

Gould, Robert V., Merrick, N. Y., assignor to The Sperry Corporation. Switching apparatus for ultra high frequency. 2,484,822, Oct. 18.

Grace, John F., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Differential screw jack. 2,485,280, Oct. 18.

Graf, Paul A., Western Springs, assignor to Container Corporation of America, Chicago, Ill. Method and apparatus for closing and sealing cartons. 2,485,235, Oct. 18.

Graflex, Inc., assignee: *See*—
Steiner, Oscar.

Grand Industries, Inc., assignee: *See*—
Evans, Vincent J.

Grange, Paul: *See*—
Blake, Robert E., Grange, and Thomas.

Grant, Frank L., Jr., Terrace Park, Ohio. Clothesline. 2,484,941, Oct. 18.

Graw, Harry J., assignee: *See*—
Lorenz, Henry T.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Gray Tool Company, assignee: *See*—
Lemley, John, Hill, and Mueller.

Great Lakes Carbon Corporation, assignee: *See*—
Hickey, John H.

Green, Douglas H., London, England. Manufacture of zig zag metal elements. 2,485,282, Oct. 18.

Gregory, James T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plasticised resin compositions. 2,485,281, Oct. 18.

Greig, James W., assignor to Woodall Industries Incorporated, Detroit, Mich. Vehicle body floor structure. 2,485,047, Oct. 18.

Gresham, William F., Wilmington, and C. E. Schweitzer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of methionine and precursors thereof. 2,485,236, Oct. 18.

Gresham, William F., Wilmington, and G. E. Tabet, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of aromatic aldehydes. 2,485,237, Oct. 18.

Grimn, Wilfrid, Cleveland, Ohio, assignor to General Electric Company. Projection lamp and mounting therefor. 2,485,377, Oct. 18.

Groenenberg, Maarten J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Indicating device comprising a rotatable scale, more particularly for radio sets. 2,485,196, Oct. 18.

Grossmann, Paul, Binningen, assignor to Ciba Limited, Basel, Switzerland. Dyestuff mixtures and making same. 2,485,197, Oct. 18.

Gruber, Milan, Aliquippa, Pa. Rotary pump. 2,484,993, Oct. 18.

Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Ejector mechanism for molding machines. 2,485,283, Oct. 18.

Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Stripper. 2,485,284, Oct. 18.

Guinot, Henri M., Versailles, assignor to Les Usines De Melle (Societe Anonyme), Saint-Liger-les-Melle, France. Dehydrating aqueous solutions of formic acid. 2,485,048, Oct. 18.

Guise, Arthur B., assignor to Ansul Chemical Company, Marinette, Wis. Nozzle construction. 2,484,942, Oct. 18.

Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Nozzle for spraying dry chemicals. 2,484,943, Oct. 18.

Gundersen, Daniel T., assignor to Askania Regulator Company, Chicago, Ill. Multiple speed control system. 2,485,094, Oct. 18.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foaming in steam boilers. 2,485,378, Oct. 18.

H-P-M Development Corporation, assignee: *See*—
Ashbaugh, Bernard D.
Ernst, Walter, and Hedrick.
Purcell, Howard M.
Tucker, Warren R.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket compartment humidifier. 2,484,882, Oct. 18.

Hall, Bicknell, Boston, Mass., assignor to General Foods Corporation, New York, N. Y. Refrigerating apparatus. 2,484,944, Oct. 18.

Hall, Elisha W., Scituate, Mass. Abrading element. 2,484,994, Oct. 18.

Hall, Fred B., assignor to Riley Stoker Corporation, Worcester, Mass. Grate clip for traveling grate stokers. 2,485,379, Oct. 18.

Halliday, William, Jefferson, S. Dak. Hunting garment. 2,485,442, Oct. 18.

Halliy, Raymond J., assignor to Eastman Mfg. Company, Manitowoc, Wis. Hose coupling. 2,485,049, Oct. 18.

Hammond, Edmund B., Jr., Floral Park, N. Y., assignor to The Sperry Corporation. Spring suspension for gyroscopes. 2,484,823, Oct. 18.

Hand, James W., Jr.: *See*—
Wasson, Jones I., and Hand, Jr.

Hanna Engineering Works, assignee: *See*—
Hanna, John C.

Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Pneumatic shock absorbing cylinder. 2,484,883, Oct. 18.

Hanna, John C., assignor to Hanna Engineering Works, Chicago, Ill. Hydraulic transformer. 2,484,884, Oct. 18.

Hansel, Paul G., Red Bank, N. J. Radio direction finding method and apparatus. 2,484,624, Oct. 18.

Hansen, Harold, and L. Seefeldt, assignors to Aluminum Goods Manufacturing Company, Manitowoc, Wis. Pressure indicator and control valve. 2,485,380, Oct. 18.

Hansen, Johannes, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Method and means for operating high voltage static current converters using ionic valves. 2,485,198, Oct. 18.

Harding, William B.: *See*—
Kimball, Albert W., and Harding.

Harkness, Joseph C.: *See*—
Quinn, Robert G., and Harkness.

Harley, Bertron G., Penn Yan, N. Y. Silencer with flattened corrugated gas passage. 2,484,826, Oct. 18.

Harley, Bertron G., Penn Yan, N. Y. Baffle type muffler with corrugated casing. 2,484,827, Oct. 18.

Harris, Kenneth W., Warren, assignor to Republic Steel Corporation, Cleveland, Ohio. Strip elongation indicator. 2,485,285, Oct. 18.

Harris, Walter D., Naugatuck, and H. D. Tate, Woodbridge, Conn., assignors to United States Rubber Company, New York, N. Y. Insecticides. 2,485,095, Oct. 18.

Harris, Walter R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system for core type reel drives. 2,484,825, Oct. 18.

Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Governor. 2,484,995, Oct. 18.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Boosman, Herman, B. R., and de la Sablonière.
De Fremery, Frank.
Groenenberg, Maarten J.

Hartmann, Max, Riehen, and E. Mers, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Ester of nicotinic acid. 2,485,152, Oct. 18.

Hassman, Fred A., and C. Herfurth, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Vertical spindle milling machine. 2,484,885, Oct. 18.

Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Rack. 2,484,996, Oct. 18.

Hatfield, Cleburne B., Cookeville, Tenn. Automatic fluid mixing apparatus. 2,484,945, Oct. 18.

Hathaway, Edward R., assignor to Briggs Manufacturing Company, Detroit, Mich. Seat cushion. 2,485,443, Oct. 18.

Hayes, Stanley I., assignor to Link Aviation, Inc., Binghamton, N. Y. Inclinometer and compass indicating means for grounded aviation trainers. 2,485,286, Oct. 18.

Hedrick, Clyde: *See*—
Ernst, Walter, and Hedrick.

Heerdink, Robert C.: *See*—
Brody, Thomas F., Heerdink, and Marcheski.

Heidenblut, George R., Des Plaines, assignor to Admiral Corporation, Chicago, Ill. Refrigerator. 2,484,997, Oct. 18.

Helfrick, Harry E.: *See*—
Condit, William B., Helfrick, and Poole.

Henning, Leslie G., Cleveland, and F. L. Sessions, Lakewood, Ohio, said Henning assignor to said Sessions. Textile cord and process of making it. 2,485,153, Oct. 18.

Henry, Beulah L., New York, N. Y. Key for key operated machines. 2,484,886, Oct. 18.

Henson, Robert T., and G. L. Wheelock, Akron, Ohio, and L. H. Riggs, Maywood, Ill., assignors to The B. F. Goodrich Company, New York, N. Y. Associating plastic materials and compounding ingredients. 2,485,287, Oct. 18.

Hepp, Harold J., and H. R. Sallors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of metal halides. 2,485,050, Oct. 18.

Hercules Powder Company, assignee: *See*—
Bried, Edward A.
Eberl, James J.
Lorand, Eugene J.

Herfurth, Charles: *See*—
Hassman, Fred A., and Herfurth.

Herman, Leo H., St. Louis, Mo. Bobber for fishlines. 2,484,946, Oct. 18.

Hess, Larry M., assignee: *See*—
Johnson, Chester W.

Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B., and Staveley.

Hickey, John H., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Production of contact materials. 2,484,828, Oct. 18.

Hickok, Willard H., assignor to The Girdler Corporation, Louisville, Ky. Surface finishing of plastic sheets. 2,485,238, Oct. 18.

Highway Safety Appliances, Incorporated, assignee: *See*—
Doud, Fred L., and Hunt.

Hill, Erwin F.: *See*—
Lemley, John, Hill, and Mueller.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,484,890, Oct. 18.

Hillyer, John C.: *See*—
Schulze, Walter A., and Hillyer.

Hinkley, Ray A.: *See*—
Baker, Clyde A., and Hinkley.

Hocutt, Rudolph H.: *See*—
Snow, Howard, and Hocutt.

Hocutt, Rudolph H., Charlotte, N. C., assignor to Southern Friction Materials Company. Step tread. 2,484,947, Oct. 18.

Hoeker, Bert: *See*—
Anderson, Robert I., and Hoeker.

Hofberg, Alf H., Medford, N. J., assignor to Radio Corporation of America. Producing rounded terminals of fusible metal. 2,485,444, Oct. 18.

Hoff, Harry J., Richmond, Ind. Machine for forming lawn mower handles and the like. 2,485,096, Oct. 18.

Hoffman, Robert, San Francisco, Calif. Cable clamp. 2,485,445, Oct. 18.

Holer, Walter A., Cincinnati, E. J. Rivoira, Silverton, and L. E. Mehlhope, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Crankshaft grinder. 2,484,887, Oct. 18.

Holden, Alan N., New Vernon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal growing apparatus. 2,484,829, Oct. 18.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake valve. 2,484,888, Oct. 18.

Holt, Ray G., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Reciprocating vane pump. 2,485,491, Oct. 18.

Holtzman, Abraham M., New York, N. Y. Resilient unit for bed springs, chairs, and the like. 2,485,199, Oct. 18.

Homann, Clifford, Humboldt Township, Coles County, Ill. Insulator support. 2,485,288, Oct. 18.

Hope's Windows, Inc., assignee: *See*—
Lescaze, William.

Hornor, Aurelius P., Montclair, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Combination dictating and interoffice-communicating system. 2,485,381, Oct. 18.

Hosterman, Harry L., Jr.: *See*—
Mayne, Robert, and Hosterman.

House, Kenneth R.: *See*—
Olpin, Henry C., and House.

Howes, Irving C., assignor to Davis & Furber Machine Company, North Andover, Mass. Spooler. 2,485,382, Oct. 18.

Howland, Louis H., Watertown, Conn., and L. B. Tewksbury, Jr., Potsdam, assignors to United States Rubber Company, New York, N. Y. Rubber tackified with acylated phenolaldehyde resin. 2,485,097, Oct. 18.

Hoyt, Leo E., Climax, Mich. Mower attachment for tractors. 2,485,383, Oct. 18.

Hubbard, Howard N., and E. F. Ketterer, Lorain, Ohio, assignor to National Tube Company. Device for sampling molten metal in a ladle or the like. 2,485,492, Oct. 18.

Hunt, Stanley H.: *See*—
Doud, Fred L., and Hunt.

Huntar, Felix, Livingston, N. J., assignor to American Can Company, New York, N. Y. Can and cover feeding mechanism. 2,484,830, Oct. 18.

Hutchins, Ralph P., Piqua, and W. H. Williamson, Indian Hill, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Production of cottonseed meal. 2,484,831, Oct. 18.

Hutchinson, Gilbert E., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Controlling shot patterns. 2,484,998, Oct. 18.

Hutton, Archie M. and M. P., Edwall, Wash. Resiliently mounted draft-rigging. 2,484,889, Oct. 18.

Hutton, Malcolm P.: *See*—
Hutton, Archie M. and M. P.

Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Corn combine with sheller. 2,484,999, Oct. 18.

Iafrate, Antonio, Detroit, Mich. Nail extractor for pneumatic tires. 2,484,948, Oct. 18.

Imm, Lewis W., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Squaring mechanism. 2,485,200, Oct. 18.

Imperial Chemical Industries Limited, assignee: *See*—
Foster, Reginald T.
Waterfall, Frederick D.

Interlake Chemical Corporation of Delaware, assignee: *See*—
Bircher, John R., Jr.

International Harvester Company, assignee: *See*—
Aasland, John L.
Acton, Russel D.
Harstick, William H.
Hyman, Benjamin M.
Kane, Paul.
Pulmer, John S., and Sulcek.
Radtke, Adelbert C.

International Register Company, assignee: *See*—
Gallagher, William P., Weber, and Sutor.

Irwin, G. Howard, assignee, trustee: *See*—
Witous, Elizabeth M.

Isard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers containing recurring aldehyde groups and derivatives thereof and preparing same. 2,485,239, Oct. 18.

Jackson, Carlton L., Columbus, Ohio. Reversible, variable-speed rotary pump and motor hydraulic transmission. 2,485,240, Oct. 18.

Jackson, Donald G., Pasadena, Calif. Foldable boat. 2,485,446, Oct. 18.

Jacobs, Arthur E., Kiowa, Kans. Threshed grain buncher. 2,484,949, Oct. 18.

Jacobs, F. L., Co., assignee: *See*—
Erickson, Charles A.

Jacobs, Louis, assignor to J. S. Weiss, Chicago, Ill. Unitary bed bottom and mattress structure. 2,485,493, Oct. 18.

Jaffe, Hans, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Bender type electromechanical device with dielectric operating element. 2,484,950, Oct. 18.

Jakeway, Gerald V., assignor to Keller Brass Company, Grand Rapids, Mich. Door handle. 2,485,000, Oct. 18.

Jánê, Frantisek, Mlada Boleslav, Czechoslovakia. Apparatus for printing on fabrics, paper, or the like. 2,485,289, Oct. 18.

Jelinek, Alfred F., assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Die casting machine. 2,485,290, Oct. 18.

Jennings, Harley Y., Clio, assignor to Copeman Laboratories Company, Flint, Mich. Sharp freezing container. 2,484,832, Oct. 18.

Jewett, Donald R., Worcester, Mass. Tie rack. 2,485,201, Oct. 18.

Jockers, Harry W., Philadelphia, Pa., assignor of one-half to A. D. Clair, East Orange, N. J. Gravity controlled liquid applying device. 2,485,494, Oct. 18.

Johns-Manville Corporation, assignee: *See*—
Quinn, Robert G., and Harkness.

Johnson, Chester W., Bridgewater, assignor of one-half to L. M. Hess, Taunton, and one-fourth to E. D. Copeland, South Hanson, Mass. Nonstick roll contact for contact relays, circuit breakers, thermostats, and the like. 2,485,532, Oct. 18.

Johnson, Theodore W.: *See*—
Guise, Arthur B., and Johnson.

Johnson, Ture, Duluth, Minn. Structure drill. 2,485,098, Oct. 18.

Johnston, James H.: *See*—
Adams, Ralph G., and Johnston.

Jones, Homer W., Westfield, N. J., assignor to Union Carbide and Carbon Corporation. Post-mixed blowpipe and thermochemically cutting metal. 2,484,891, Oct. 18.

Jones, Ira M., assignee: *See*—
Pollman, Adam F.

Jones & Laughlin Steel Corporation, assignee: *See*—
Somerville, Peter P.

Jorgensen, Clarence W.: *See*—
Odencrants, William A., and Jorgensen.

Joslin, William E., Granby, Mo. Key case. 2,485,051, Oct. 18.

Joy Manufacturing Company, assignee: *See*—
Paget, Win W.

Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and E. W. Meyer, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. 6-alkoxy-i-androstene-17-ols. 2,484,833, Oct. 18.

Kall, Karl A.: *See*—
Lowkrantz, Gunne, and Kall.

Kall, Karl A., Montrose, Pa., assignor to Link Aviation Inc. Simulated flight control loading and centering means for grounded aviation trainers. 2,485,291, Oct. 18.

Kall, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer. 2,485,292, Oct. 18.

Kall, Karl A., Montrose, Pa., assignor to Link Aviation, Inc. Aviation trainer artificial horizon simulator actuating means. 2,485,293, Oct. 18.

Kalamazoo Stove & Furnace Company, assignee: *See*—
Cook, James M., and Salter.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Electrical indicator for free piston units. 2,485,154, Oct. 18.

Kane, Paul, Chicago, Ill., assignor to International Harvester Company. Wire tying baler. 2,485,001, Oct. 18.

Keebler, William C., Washington, D. C. Toolholder. 2,485,052, Oct. 18.

Keeling, William O., assignor to Koppers Company, Inc., Pittsburgh, Pa. Refining light oil products. 2,484,834, Oct. 18.

Keller Brass Company, assignee: *See*—
Jakeway, Gerald V.

Keller, Curt, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland. Sealing arrangement for the shafts of turbomachines of thermal power plants in which the greater part of a gaseous medium continuously describes a closed cycle under pressure above atmospheric. 2,485,447, Oct. 18.

Kellogg Switchboard and Supply Company, assignee: *See*—
Bellamy, John I.

Kelly, Ted, Port Angeles, Wash. Screw actuated tire press with circumferentially distributed thrust elements. 2,485,202, Oct. 18.

Kennedy, Frank J., Ann Arbor, Mich. Fishing lure. 2,485,448, Oct. 18.

Kenney, Thomas F., and A. Bellavance, assignors to Boott Mills, Lowell, Mass. Apparatus for making wire-cutting guides. 2,485,495, Oct. 18.

Keston, Reva H., Minneapolis, Minn. Chewed gum receptacle. 2,484,892, Oct. 18.

Ketterer, Edward F.: *See*—
Hubbard, Howard N., and Ketterer.

Kharasch, Morris S., Chicago, Ill., assignor to United States Rubber Company, New York, N. Y. Halogen containing derivatives of dicarboxylic acids. 2,485,099, Oct. 18.

Kimball, Albert W.: *See*—
Liwschitz, Michael, and Kimball.

Kimball, Albert W., Pittsburgh, and W. R. Harding, Export, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multipole direct-current generator. 2,484,835, Oct. 18.

King, George E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Variable-voltage control system of limit-responsive operation. 2,484,836, Oct. 18.

King, George S.: *See*—
Dzus, William, and King.

Kirsch, Isidore, and R. Korenman, Bronx, N. Y. Weltcutting machine. 2,485,449, Oct. 18.

Klein, Gilda, Rockaway Beach, N. Y. Adjustable fingernail polish guide. 2,485,384, Oct. 18.

Koehring Company, assignee: *See*—
Beckwith, Raymond A.

Komassa, Jerome S., Milwaukee, Wis., assignor, by mesne assignments, to R. F. Becker, Kalamazoo, Mich. Reel. 2,485,385, Oct. 18.

Koppers Company, Inc., assignee: *See*—
Cotton, William J.
Keeling, William O.

Korenman, Richard: *See*—
Kirsch, Isidore, and Korenman.

Koroly, Joseph E.: *See*—
Niederhauser, Warren D., and Koroly.

Korsgren, Theodore Y., Winnetka, and V. N. Tramontini, assignors to Stewart-Warner Corporation, Chicago, Ill. Electrical igniter. 2,485,496, Oct. 18.

Kotterman, Chester A., New York, N. Y., assignor to Schauer Machine Company, Cincinnati, Ohio. Rectifier. 2,485,450, Oct. 18.

Koucky, Josef, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia. Breechblock device for firearms. 2,485,155, Oct. 18.

Kozenski, Anton E., Racine, Wis. Furnace grate. 2,485,386, Oct. 18.

Krakora, John, Park Ridge, Ill. Reclining chair. 2,485,387, Oct. 18.

Krenzke, John G., assignor to J. L. Beesley, La Porte, Ind. Baby furniture. 2,485,156, Oct. 18.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of tetrahydroabietyl alcohol-modified unsaturated alkyd resins and vinyl compounds. 2,485,294, Oct. 18.

Krueger Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 2,485,002, Oct. 18.

Kubo, Gerald G., New York, N. Y. Retractible wheeled support for luggage. 2,484,951, Oct. 18.

Kuenne, Kuno R., Oconomowoc, assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Electric heating unit for tanks. 2,484,893, Oct. 18.

Kuhn, George A., Chicago, Ill. Skirt hanger. 2,485,388, Oct. 18.

Kvalnes, Hamline M., and F. S. Chance, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea-formaldehyde compositions. 2,485,203, Oct. 18.

Lachampt, Felix L., Franconville, France, assignor to Union Francaise Commerciale et Industrielle. Novel process for soap purifying. 2,485,204, Oct. 18.

Lachampt, Felix L., Franconville, France, assignor to Union Francaise Commerciale et Industrielle. Continuous production of soap. 2,485,205, Oct. 18.

La Clair, Wilfred L., Rochester, N. Y. Saw filing device. 2,485,389, Oct. 18.

La Crosse Trailer Corporation, assignee: *See*—
Duffy, Edward F.

Ladd, Elbert C., Passaic, and H. Sargent, Wood-Ridge, N. J., assignors to United States Rubber Company, New York, N. Y. Lactonization of 2,4-polyhalogenoalkanoic esters. 2,485,100, Oct. 18.

Lake, Burton G., Chula Vista, Calif. Light signaling means. 2,484,837, Oct. 18.

Lane-Wells Company, assignee: *See*—
Fassin, Gustave.

Lang, Gregor L., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Radio-shielded unit. 2,485,241, Oct. 18.

Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Centrifugal fluid purifier. 2,485,300, Oct. 18.

La Rocque, Samuel W., Pawtucket, R. I. Warp-stop motion. 2,485,533, Oct. 18.

Larson, Adolph J., Chicago, Ill. Pack of abrasive coated sheets. 2,485,295, Oct. 18.

Larson, Kenneth R., Des Plaines, and J. G. Bils, Niles, Ill., assignors to C. B. Albert, Milwaukee, Wis. Garment blocker. 2,484,806, Oct. 18.

Larson, Kenneth R., Des Plaines, and J. G. Bils, Niles, Ill., assignors to C. B. Albert, Milwaukee, Wis. Garment blocker. 2,484,807, Oct. 18.

La Soudure Electrique Autogene S. A., assignee: *See*— Colinet, Rene D.

Lasseigne, Arthur S. and E. J., Reserve, La. Roadside weed burner. 2,485,391, Oct. 18.

Lasseigne, Etienne J.: *See*— Lasseigne, Arthur S. and E. J.

Layfield, Floyd H., Powell, Tex. Artificial fish lure. 2,485,053, Oct. 18.

Lazier, Wilbur A.: *See*— Bordenca, Carl, and Lazier.

Leadbetter, Ralph L., Roselle, assignor to Burgess-Manning Company, Chicago, Ill. Silencer with cloth gas-conducting conduit. 2,485,392, Oct. 18.

Lear, Incorporated, assignee: *See*— Lear, William P.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Magnetic recorder unit. 2,485,451, Oct. 18.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine lubrication means. 2,484,952, Oct. 18.

Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Hydrocarbon emulsion. 2,485,297, Oct. 18.

Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Breaking emulsion. 2,485,298, Oct. 18.

Lehane, Timothy J., Chicago, Ill., assignor, by mesne assignments, to Vapor Heating Corporation. Thermostat control circuit. 2,485,003, Oct. 18.

Lehman, Sophie, assignee: *See*— Tarabis, Ralph.

Leighton, Harvey T., Big Bend, Wis. Fur stretcher. 2,485,242, Oct. 18.

Lemley, John, E. F. Hill, and R. A. Mueller, assignors to Gray Tool Company, Houston, Tex. Well head equipment. 2,485,497, Oct. 18.

Les Usines De Melle (Societe Anonyme), assignee: *See*— Guinot, Henri M.

Lescase, William, assignor to Hope's Windows, Inc., New York, N. Y. Exterior sliding window. 2,485,296, Oct. 18.

Leullette, Henri G. A., Paris, France. Manufacture of stockings and the like. 2,485,004, Oct. 18.

Levey, Maurice, Yonkers, N. Y. Electric iron and stand. 2,485,299, Oct. 18.

Lewis, Harry, Gainesville, Tex. Musical instrument. 2,485,498, Oct. 18.

Lewis, Raymond H., assignor to Link Aviation, Inc., Binghamton, N. Y. Take-off and landing simulating means for grounded aviation trainers. 2,485,499, Oct. 18.

Librascope, Incorporated, assignee: *See*— Imm, Lewis W.

Licktelg, Albert F., assignor to National Brass Company, Grand Rapids, Mich. Thumbpiece latch. 2,485,054, Oct. 18.

Light, George G., Kew Gardens, and W. B. Blanton, Merrick, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph exchange system. 2,484,838, Oct. 18.

Lindahl, Hilmer C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Pulse generator. 2,485,101, Oct. 18.

Linde Air Products Company, The, assignee: *See*— Lytle, Arthur R.

Lindell, Sigurd L., Chicago, Ill., assignor to S & C Electric Company. Fuse mounting. 2,484,839, Oct. 18.

Lindemann, A. J., & Hoverson Company, assignee: *See*— Kuenne, Kuno R.

Lindesmith, John L., Long Beach, Calif, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic control device responsive to rate of change of a condition. 2,485,005, Oct. 18.

Lindsay, James A., Spokane, Wash. Multiunit storage cabinet. 2,484,804, Oct. 18.

Line Material Company, assignee: *See*— Steinmayer, Alwin G.

Link Aviation, Inc., assignee: *See*— Decker, George A
Edinburg, Murray W.
Hayes, Stanley I.
Kail, Karl A.
Lewis, Raymond H.
Lowkrants, Gunne, and Kail, Stuhrman, Ahlert P., and McKee.

Links, Julian A., San Francisco, Calif. Educational toy book. 2,484,895, Oct. 18.

Links, Julian A., San Francisco, Calif. Child's book. 2,484,896, Oct. 18.

Lisota, Edward, Patterson, Calif. Adjustable vehicle bed. 2,485,300, Oct. 18.

Livingston, Arnold, New York, N. Y. Adjustable waistband in garments. 2,485,157, Oct. 18.

Liwschits, Michael, Brooklyn, N. Y., and A. W. Kimball, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical machine. 2,484,840, Oct. 18.

Locke, Raymond L., Macon, Ill. Door guide and holder. 2,485,393, Oct. 18.

Logan, James T., Atlanta, Ga., assignor to General Electric Company. Circuit closer. 2,485,394, Oct. 18.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Automatically variable air supply control for oil burners. 2,485,206, Oct. 18.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air control for tubular combustion chambers of oil burners. 2,485,207, Oct. 18.

London Tin Corporation Limited, assignee: *See*— Cothay, Frank H.

Longenecker, Charles I., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Concrete placement apparatus. 2,485,208, Oct. 18.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Reduction of hydroperoxides. 2,484,841, Oct. 18.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Pulse generating circuit. 2,485,395, Oct. 18.

Lorens, Henry T., assignor, by mesne assignments, to H. J. Graw, Chicago, Ill. Thread inspecting or gauging apparatus. 2,484,953 Oct. 18.

Lower, Louie H., Hayden Lake, Idaho. Violin. 2,485,158, Oct. 18.

Lowkrantz, Gunne, Binghamton, N. Y., and K. A. Kail, Montrose, Pa., assignors to Link Aviation, Inc. Wind drift instrument. 2,485,301, Oct. 18.

Ludlow, Edmund: *See*— Noblitt, Quintin G., and Ludlow.

Luening, William D.: *See*— Robbins, Leroy V., Jr., and Luening.

Luers, John M., assignor to John Milton Luers Patents Incorporated, Mount Clemens, Mich. Toolholder and blade. 2,485,055, Oct. 18.

Luers, John M., Patents Incorporated, assignee: *See*— Luers, John M.

Lukas, Joseph C., Dunellen, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Tilting mixing machine. 2,485,302, Oct. 18.

Lundal, Ingle J., Chicago, assignor to Sugar Creek Creamery Company, Danville, and Cherry-Burrell Corporation, Chicago, Ill., as joint owners. Centrifuge with primary and secondary zones of separation and process therefor. 2,485,209, Oct. 18.

Lyijynen, Fred, assignor to Briggs Manufacturing Company, Detroit, Mich. Press. 2,485,452, Oct. 18.

Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Motor vehicle frame construction. 2,485,500, Oct. 18.

Lytle, Arthur R., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Apparatus for heat-treating surfaces of rails. 2,484,897, Oct. 18.

Maas-Rowe Electromusic Corporation, assignee: *See*— Rowe, Paul H.

Maatman, Egbert J., South Holland, assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,104, Oct. 18.

MacCaffray, Rex S. Jr., Boiling Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Fringe machine. 2,485,396 Oct. 18.

MacDonald, Jessie L., Fort Myers, Fla. Toy spur. 2,484,898, Oct. 18.

MacFarland, Allison M., assignor to Burgess Battery Company. Freeport, Ill. Dry cell and battery seal. 2,485,397, Oct 18.

MacPherson, Donald R., University Heights, W. G. France, Columbus, and F. M. Ernsberger, Ada, assignors to The Master Builders Company, Cleveland, Ohio. Cement composition and indurating mixture therefor. 2,485,102 Oct. 18.

Magnani, Arthur: *See*— Julian, Percy L., Cole, Magnani, and Meyer.

Magnetic Analysis Corporation, assignee: *See*— Zuschlag, Theodore.

Main, Benjamin A., Jr., and M. W. Brandau, assignors to Aeroquip Corporation, Jackson, Mich. Coupling. 2,485,006, Oct. 18.

Malarkey, Ralph F., Meadowlands, Pa. Machine for jiggering oval dinnerware. 2,485,159, Oct. 18.

Mandl, Arthur, Sheffield, England, assignor to General Electric Company. Starting and operating circuit for electric discharge devices. 2,485,398, Oct. 18.

Mapes, Gerard S., West Englewood, N. J., and L. H. Sudholz, Flushing, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Quenching oil and quenching metals. 2,485,103, Oct. 18.

Marasco, Vincent, Los Angeles, Calif. Child's vehicle. 2,484,954, Oct. 18.

Marcheski, Leonard C.: *See*— Broady, Thomas F., Heerdink, and Marcheski.

Marcus, Louise, New York, N. Y. Combined spoon and medicine bottle. 2,485,303, Oct. 18.

Marsh, Edward S., Watford, England. Wheel for roller skates and the like. 2,485,304, Oct. 18.

Martin, Gustav J., assignor to The National Drug Company, Philadelphia, Pa. Chemotherapeutic agents. 2,485,501, Oct. 18.

Martin, William H., Grosse Pointe, Mich. Electric switch construction. 2,485,399, Oct. 18.

Marxer, Adrian: *See*— Miescher, Karl, and Marxer.

Mascia, Michael L.: *See*— Brown, Aldrich M., and Mascia.

Masland, C. H., & Sons, assignee: *See*— MacCaffray, Rex S., Jr.

Master Builders Company, The, assignee: *See*— MacPherson, Donald R., France, and Ernsberger.

Mathie, Harold O., Monterey Park, Calif. Safety razor with double reciprocating blades. 2,485,056, Oct. 18.

Mayne, Robert, Akron, and H. L. Hosterman, Jr., Atwater, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Making spar roots for helicopter blades and the like. 2,485,534, Oct. 18.

Mayo, Ruby G., Los Angeles, Calif. Ironing device. 2,484,899, Oct. 18.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. High-frequency electron discharge apparatus. 2,485,400, Oct. 18.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company, Magnetron. 2,485,401, Oct. 18.

McBrayer, Vernon D., Florence, Ala. Daily sales book file and instant locator. 2,485,210, Oct. 18.

McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion means for helicopters. 2,485,502, Oct. 18.

McCollum, Thelma, executrix: *See*— McCollum, Henry J. D.

McCormick, Everett, Whittier, Calif. Cultivating roller. 2,485,057, Oct. 18.

McDonell, Gordon H., Elmhurst, Ill., assignor to American Can Company, New York, N. Y. Packaged product and producing the same. 2,484,842, Oct. 18.

McFeaters, Harry L., New Castle, Pa., assignor to Pennsylvania Engineering Corporation. Bessemer converter. 2,485,305, Oct. 18.

McKee, Charles W.: *See*— Stuhrman, Ahlert P., and McKee.

McKee, Laird C., Minneapolis, Minn. Gas burner. 2,485,058, Oct. 18.

McKnight, Robert L., Watertown, assignor to Scovill Manufacturing Company, Waterbury, Conn. Locking device for swivel type lipstick containers having reeded caps. 2,485,105, Oct. 18.

McKuskie, Stanley A., Bronx, N. Y., assignor to DMG Corporation. Glass brick. 2,485,243, Oct. 18.

McPherson, Arthur D., Snyder, R. M. Dalton, Williamsville, and R. C. Smith, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Wheel fairing lock and release. 2,484,900, Oct. 18.

Medwed, Pinchos E., assignee: *See*— West, John W.

Meeker, Willard F.: *See*— Olney, Benjamin, Slaymaker, and Meeker.

Mehlhope, Lincoln E.: *See*— Hoier, Walter A., Rovoira, and Mehlhope.

Meiklejohn, William H., Lynnfield Center, Mass., assignor to General Electric Company. Electric rectifier and production. 2,485,402, Oct. 18.

Merit Engineering, Inc., assignee: *See*— Stevenson, Robert.

Mers, Emil: *See*— Hartman, Max, and Mers.

Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Time delay centrifugal clutch. 2,485,211, Oct. 18.

Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Machine for sizing tubes. 2,485,007, Oct. 18.

Meyer, Edwin W.: *See*— Julian, Percy L., Cole, Magnani, and Meyer.

Midland Steel Products Company, The, assignee: *See*— Almond, John R.

Miehle Printing Press & Manufacturing Company, assignee: *See*— Peyrebrune, Henri E.

Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 2-[phenthiazinyl-(N)-methyl]-imidazolines, the corresponding 2-(phenoxasinyl) imidazolines, and their salts. 2,485,212, Oct. 18.

Miner, W. H., Inc., assignee: *See*— Dath, George E.

Minneapolis-Honeywell Regulator Company, assignee: *See*— Chudyk, Alex B.
Crum, Stephen.
Lindesmith, John L.

Minnesota Mining & Manufacturing Company, assignee: *See*— Ebel, Clarence J., and Drew.

Misch, Herbert L., Ferndale, assignor to Packard Motor Car Company, Detroit, Mich. Gearing. 2,485,503, Oct. 18.

Mohrman, Harold W., and F. E. Reese, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Melamine condensation product. 2,485,059, Oct. 18.

Monsanto Chemical Company, assignee: *See*— Bandekis, Costas H.
Gehrke, Willard H.
Mohrman, Harold W., and Reese.
Park, Harold F.

Montclair Research Corporation, assignee: *See*— Rust, John B.

Mooney, James D., Oyster Bay, N. Y. Apparatus for illustrating economic laws. 2,485,540, Oct. 18.

Morgan Construction Company, assignee: *See*— Morgan, Myles.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Reciprocable valve. 2,485,504, Oct. 18.

Morris, Bernard, Savannah, Ga. Sewer flusher. 2,485,008, Oct. 18.

Morton, Harry E., Hyde Park, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. High-temperature fan. 2,484,955, Oct. 18.

Motta, André, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique. Projection apparatus having opaque shutter and screen illumination means. 2,484,956, Oct. 18.

Mueller, George P., assignor to Wyeth Incorporated, Philadelphia, Pa. Streptomycin purification. 2,485,106, Oct. 18.

Mueller, Robert A.: *See*— Lemley, John, Hill, and Mueller.

Muller, Jules, Chicago, Ill., assignor to E. W. Bliss Company, Detroit, Mich. Overload release for power presses. 2,485,009, Oct. 18.

Mullin, Grover E.: *See*— Cardwell, Paul H., and Mullin.

Munford, Theodore W., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace with removable coil stand. 2,485,453, Oct. 18.

Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Sleeping car room arrangement. 2,485,060, Oct. 18.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant composition. 2,484,843, Oct. 18.

Myers, Charles L., Philadelphia, Pa. Swingable curtain-type flue damper. 2,485,306, Oct. 18.

Nash-Kelvinator Corporation, assignee: *See*— Philipp, Lawrence A.

National Biscuit Company, assignee: *See*— Sinnott, Nicholas E.

National Brass Company, assignee: *See*— Licktelg, Albert F.

National Cylinder Gas Company, assignee: *See*— Candy, Albert M.

National Drug Company, The, assignee: *See*— Martin, Gustav J.

National Gypsum Company, assignee: *See*— Chrisler, Willard L.

National Tube Company, assignee: *See*— Hubbard, Howard N., and Ketterer.

Nebe, Peter J., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Protecting metallic surfaces. 2,485,061, Oct. 18.

Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, assignee: *See*— Van Eijk, Willem.

Neher, Harry T.: *See*— Glavis, Frank J., and Neher.

Nelson, Joseph F., Elisabeth, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Low-temperature catalytic process for polymerising olefinic materials in the presence of an inorganic diluent. 2,485,454, Oct. 18.

Nelson, Robert B., Newton, Iowa. Shoe tree for open heeled shoes. 2,485,505, Oct. 18.

New England Lime Company, assignee: *See*— Barrett, William J.

Newkirk, Arthur E.: *See*— Di Giorgio, Philip A., and Newkirk.

Newman, Milton, Philadelphia, Pa. Nonslip rug pad. 2,485,307, Oct. 18.

Newton, Charles G., Hamilton, Ontario, Canada. Machine for applying transfers. 2,484,901, Oct. 18.

Newton, Charles E., Charlestown, Mass. Dispensing apparatus. 2,485,062, Oct. 18.

Nicholas, William, Greenbelt, Md. Missile projector. 2,484,844, Oct. 18.

Nicolet, Constant E., Westport, Conn., assignor to Camloc Fastener Corporation, New York, N. Y. Fastener structure. 2,485,010, Oct. 18.

Niederhauser, Warren D., and J. E. Koroly, assignors to Röhm & Haas Company, Philadelphia, Pa. Epoxidation of esters of oleic and linoleic acids. 2,485,160, Oct. 18.

Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Actuator, button. 2,485,213, Oct. 18.

Niessen, Paul F., and R. G. Welk, assignors to Victor Manufacturing & Gasket Co., Chicago, Ill. Fluid seal. 2,485,011, Oct. 18.

Niles-Bement-Pond Company, assignee: *See*— Chandler, Milton E.

Noble & Wood Machine Company, The, assignee: *See*—
Dodge, George W.
Noblitt, Quintin G., and E. Ludlow, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Mirror mounting. 2,485,063, Oct. 18.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Noblitt, Quintin G., and Ludlow.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Multiple flash lamp device. 2,485,404, Oct. 18.
Noel, Edward B., Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Multiple flash lamp device. 2,485,403, Oct. 18.
Nordberg Manufacturing Co., assignee: *See*—
Andersen, Karl V.
Nordquist, Ronald R. J., Maplewood, and B. A. Baumann, Newark, N. J., assignors to American Can Company, New York, N. Y. Sheet treating machine. 2,484,845, Oct. 18.
North, Charles R., Montclair, N. J. Treating butterfat. 2,485,308, Oct. 18.
Northco Insulating and Ventilating Co., assignee: *See*—
Blake, Robert E., Grange, and Thomas.
Nuna, Leslie G., Jr., Tulsa, Okla., assignor to Standard Oil Development Company. Corrosion prevention. 2,485,309, Oct. 18.
Odencrants, William A., and C. W. Jorgensen, Chicago, Ill. Tie rack. 2,485,455, Oct. 18.
Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.
Strickland, Harold A., Jr., and Vos.
O'Keefe and Merritt Company, assignee: *See*—
Brainard, Maurice W.
Olney, Benjamin, F. H. Slaymaker, and W. F. Meeker, assignors to Stromberg-Carlson Company, Rochester, N. Y. Dipole microphone. 2,485,405, Oct. 18.
Olpin, Henry C., and K. R. House, Spondon, near Derby, England, assignors to Celanese Corporation of America. Anthraquinone-2-carboxylic-dimethylamides and making same. 2,484,902, Oct. 18.
Packard Motor Car Company, assignee: *See*—
Misch, Herbert L.
Paclan, Krant: *See*—
Paclayan, Krant.
Paclayan, Krant, North Bergen, N. J., now by judicial change of name, Krant Paclan. Toy. 2,485,064, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure control device. 2,484,846, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,847, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,848, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Heating apparatus of the fluid actuated fuel pump type. 2,484,849, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Cooling and pressurising aircraft cabins. 2,484,850, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure controlling apparatus. 2,484,851, Oct. 18.
Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Pressure control device. 2,484,852, Oct. 18.
Paine, Herman, Muncie, Ind. Curtain bracket. 2,485,406, Oct. 18.
Palmer, John S., and C. E. Sulcek, Chicago, Ill., assignors to International Harvester Company. Door handle and latch. 2,485,012, Oct. 18.
Pampinella, Joseph, Bloomfield, and H. Silverman, Newark, N. J. Lipstick cover with a springing mirror set therein. 2,485,161, Oct. 18.
Papasian, Martin S., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Becessing the sink head of ingots and the like. 2,485,065, Oct. 18.
Parham, Billy G., Urbana, Ill., assignor to the United States of America as represented by the Secretary of War. 7-chloro-4-(1-ethyl-4-piperidylamino)-quinoline. 2,485,162, Oct. 18.
Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Ceric sulfate catalyzed emulsion polymerization of styrene. 2,485,535, Oct. 18.
Parker, Samuel P., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Tufting machine. 2,485,163, Oct. 18.
Parks, Walter W., Bloomington, Ind. Wire stretcher. 2,484,957, Oct. 18.
Parsons, Theophilus, Washington, D. C. Shock absorber for aerial delivery apparatus. 2,484,853, Oct. 18.
Patremio, Salvatore R., Rochelle Park, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Video blank clipper. 2,485,310, Oct. 18.
Patrick, Joseph C., Morrisville, Pa., and H. R. Ferguson, assignors to Thiokol Corporation, Trenton, N. J. Pseudo linear polysulfide polymer. 2,485,107, Oct. 18.
Patry, Karl J., Baltimore, Md. Dual-action shoe arch. 2,485,508, Oct. 18.
Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Heat and corrosion resisting alloy steel. 2,484,903, Oct. 18.
Peasley, Fremont W., Sunnyvale, Calif. Guitar bar or steel having a rotating contact face. 2,485,166, Oct. 18.
Peirce, George A., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating gypsum obtained as a by-product of phosphoric acid manufacture. 2,485,164, Oct. 18.
Pen Rod Company, The, assignee: *See*—
Bumpship, Abram C.
Pennella, Samuel, Pompton Lakes, N. J. Leak stopper for condenser tubes. 2,484,904, Oct. 18.
Pennsylvania Engineering Corporation, assignee: *See*—
McFeaters, Harry L.
Perkins, Melvin A., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Chlorinated hydrocarbon. 2,485,507, Oct. 18.
Permanente Metals Corporation, The, assignee: *See*—
Adams, Earl W.
Permoflux Corporation, assignee: *See*—
Gilman, Webster E., and Bierman.
Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Cutoff mechanism. 2,484,854, Oct. 18.
Peterson, Carl D., and A. H. Deimel, M. F. Peterson, executrix of said C. D. Peterson, deceased, assignors to Dana Corporation, Toledo, Ohio. Axially engaging opposed clutch. 2,485,214, Oct. 18.
Peterson, Marion F., executrix: *See*—
Peterson, Carl D., and Deimel.
Peterson, Robert A., San Leandro, Calif. Bulldozer. 2,485,407, Oct. 18.
Peterson, Thor M., assignee: *See*—
De Rooy, Edward F.
Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Drive for multiunit printing presses. 2,484,905, Oct. 18.
Pezzillo, Albert R., assignor to Republic Industries, Inc., Philadelphia, Pa. Motor pump unit. 2,485,408, Oct. 18.
Philco Corporation, assignee: *See*—
Bradley, William E.
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,485,066, Oct. 18.
Phillips, George R., New Brunswick, N. J., assignor to Foster D. Snell, Inc. Hooked tool for turning over ends of rivets. 2,485,109, Oct. 18.
Phillips Petroleum Company, assignee: *See*—
Hepp, Harold J., and Sailors.
Schulze, Walter A., and Hillyer.
Pickens, Roy A.: *See*—
Booth, Robert B., and Pickens.
Pierce, John B., Foundation, assignee: *See*—
Stillwell, William E., Jr.
Pierce, Joseph D., Chicago, and C. E. Towner, Oak Lawn, assignors to Crane Co., Chicago, Ill. Boiler. 2,485,536, Oct. 18.
Pierce, Raymond C., Chicago, Ill. Snubbed truck. 2,485,013, Oct. 18.
Pierce, Raymond C., Chicago, Ill. Snubbed truck. 2,485,508, Oct. 18.
Piha, Maxime, assignee: *See*—
Giniewski, Otto I.
Pokorny, Stephen S., Maquoketa, Iowa. Push-off hay stacker. 2,485,110, Oct. 18.
Pollman, Adam F., Milwaukee, assignor of one-half to I. M. Jones, River Hills, Wis. Metal scaffold plank. 2,485,165, Oct. 18.
Pollock, Herbert C., and W. F. Westendorp, Schenectady, N. Y., assignors to General Electric Company. Imparting high energy to charged particles. 2,485,409, Oct. 18.
Pond, Harold J., and D. A. Arones, assignors to Advance Machine Company, Minneapolis, Minn. Terrazzo grinder. 2,484,906, Oct. 18.
Poole, Arthur B., Harwinton, Conn. Automatic electric toaster and the like. 2,485,456, Oct. 18.
Poole, Ernest T.: *See*—
Condit, William B., Helfrick, and Poole.
Pope, Louis A., Melrose, Mass. Germicide lamp installation. 2,485,410, Oct. 18.
Porcello, Morris F., assignor of forty per cent to L. W. Bishop, Battle Creek, Mich. Grinding wheel dresser. 2,485,311, Oct. 18.
Porter, H. K., Inc., assignee: *See*—
Ferguson, William H.
Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,485,457, Oct. 18.
Powell, David R., Euclid, Ohio. Attachment for lawn mowers. 2,485,312, Oct. 18.
Prager, Gustav, New York, N. Y. Photographic flash-bulb socket. 2,485,014, Oct. 18.
Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Microfilm reading spectacles. 2,485,411, Oct. 18.
Premo-Pharmaceutical Laboratories, Inc., assignee: *See*—
Blackman, Seymour N., and Rosenblum.
Press, David, Chicago, Ill. Adjustable curtain and drape bar mounting means. 2,484,855, Oct. 18.
Preston, Erland S., Milwaukee, Wis. Combined earlock and well bracket. 2,484,958, Oct. 18.
Procter & Gamble Company, The, assignee: *See*—
Hutchins, Ralph P., and Williamson.
Punte, William F.: *See*—
Coyle, John, and Punte.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid operable system. 2,484,907, Oct. 18.
Purcell, Howard M., Philadelphia, Pa., assignor to H-P-M Development Corporation, Wilmington, Del. Platen leveling. 2,484,908, Oct. 18.
Pure Oil Company, The, assignee: *See*—
Bond, Donald C., Russell, and Bernard.
Purvin, Benjamin R., Detroit, Mich., assignor to Barber-Colman Company, Rockford, Ill. Automatic hob slide. 2,484,856, Oct. 18.
Quftan, Robert G., Bound Brook, and J. C. Harkness, Manville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Dielectric sheet and manufacture. 2,485,458, Oct. 18.
Rabinowitz, Harry, New York, N. Y. Beassiere. 2,485,313, Oct. 18.
Rackowski, Wayne L., Milwaukee, Wis. Pliers. 2,485,459, Oct. 18.
Radio Corporation of America, assignee: *See*—
Carter, Philip S.
Gerber, Paul D.
Hofberg, Alf H.
Roetter, Robert P.
Seright, Carl G.
Stott, Harold B.
Wehner, Robert S.
Radtke, Adelbert C., Oak Park, Ill., assignor to International Harvester Company. Hinged locking device. 2,485,015, Oct. 18.
Rae, Walter S., Jr., West Allis, assignor to The Falk Corporation, Milwaukee, Wis. Liquid sealed trap. 2,485,537, Oct. 18.
Ragolia, John, Baltimore, Md. Snowball shaver. 2,485,314, Oct. 18.
Rainfair, Inc., assignee: *See*—
Farrell, Walter O.
Rau, Charles R.: *See*—
Shelton, Rob E., and Rau.
Raye, George W., Darien, Conn., assignor to General Foods Corporation, New York, N. Y. Refrigerating apparatus. 2,485,509, Oct. 18.
Raytheon Manufacturing Company, assignee: *See*—
Brown, William C.
Lindahl, Hilmer C.
Westcott, Vernon C.
Redekopp, Calvin W., Butterfield, Minn. Electric welding apparatus. 2,484,959, Oct. 18.
Redmon, Bryan C., Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylic acid and esters thereof. 2,485,510, Oct. 18.
Reese, Francis E.: *See*—
Mohrman, Harold W., and Reese.
Regent of the University of California, The, assignee: *See*—
Barbee, Charles E., and Berggren.
Remington Arms Company, Inc., assignee: *See*—
Finlay, Walter L.
Hutchinson, Gilbert E.
Messinger, Lester H.
Renner, Walker D., Blacksville, W. Va. Drying reel. 2,485,412, Oct. 18.
Rens, Emil K., Dedham, assignor, by mesne assignments, to Debonair, Inc., Boston, Mass. Wallet with edge stitched inner pockets. 2,484,857, Oct. 18.
Repas, Andrew, Allentown, N. J., assignor to St. Regis Paper Company, New York, N. Y. Device for applying elastic gaskets to disk members. 2,485,166, Oct. 18.
Republic Industries, Inc., assignee: *See*—
Pezzillo, Albert R.
Republic Steel Corporation, assignee: *See*—
Harris, Kenneth W.
Reverso Products Co., assignee: *See*—
Semilof, Alex.
Rex, Walter A., Westfield, N. J., and R. E. Roethell, London, England, assignors to Standard Oil Development Company. Controlled severity fluid coking. 2,485,315, Oct. 18.
Rich, Stanley R., Cambridge, assignor to Tebe Deutschmann, Canton, Mass. Phonograph pickup unit. 2,484,960, Oct. 18.
Rideout, John G., Chagrin Falls, assignor to Gendron Wheel Company, Perrysburg, Ohio. Invalid wheel chair. 2,485,016, Oct. 18.
Riggs, Lester H.: *See*—
Henson, Robert T., Wheelock, and Riggs.
Riggs, Walter A., Everett, Wash. Slipover style of outer garments. 2,485,511, Oct. 18.
Riley Stoker Corporation, assignee: *See*—
Hall, Fred B.
Rintelman, William L., Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine. 2,485,167, Oct. 18.
Rintelman, William L., Glassboro, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine. 2,485,168, Oct. 18.
Ritter, Henry T., South Beckwood, Mich. Combination flowerpot and saucer. 2,484,909, Oct. 18.
Rivoira, Edilio J.: *See*—
Holer, Walter A., Rivoira, and Mehlhope.
Robbins, Leroy V., Jr., and W. D. Luenling, Baton Rouge, La., assignors to Standard Oil Development Company. Slide valve. 2,485,316, Oct. 18.
Roberts, Mary E., Berkeley, Calif. Adjustable shelf unit. 2,485,067, Oct. 18.
Robins, Jack B., Colorado Springs, Colo. Adjustable seat for vehicles. 2,485,111, Oct. 18.
Rocco, Ernesto, Brooklyn, N. Y. Christmas tree stand. 2,485,460, Oct. 18.
Rockoff, Joseph: *See*—
Bacon, Henry M., and Rockoff.
Rockwood Sprinkler Company, assignee: *See*—
Freeman, Howard G.
Roeschke, Conrad W., Santa Fe, N. Mex. Multiple socket wrench. 2,485,169, Oct. 18.
Roethell, Bruno E.: *See*—
Rex, Walter A., and Roethell.
Roethell, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Manufacturing plaster of Paris. 2,485,317, Oct. 18.
Roetter, Robert P., Westmont, N. J., assignor to Radio Corporation of America. Gravity-actuated high-voltage switch. 2,485,170, Oct. 18.
Röhm & Haas Company, assignee: *See*—
Glavis, Frank J., and Neher.
Niederbrauser, Warren D., and Koroly.
Rollman, Walter F., Cranford, N. J., assignor to Standard Oil Development Company. Method and apparatus for contacting solids and gases. 2,485,318, Oct. 18.
Rolls Royce Limited, assignee: *See*—
Bedale, Paul W.
Romaine, Millard, and H. D. Vaneli, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Variable-speed mechanism. 2,484,910, Oct. 18.
Rose, Andrew G., assignor to Jervis B. Webb Company, Detroit, Mich. Trolley conveyer bracket. 2,485,215, Oct. 18.
Rose, Ernest, San Francisco, Calif. Shower head attachment. 2,485,112, Oct. 18.
Rose, Robert C., Englefield Green, assignor to Alginate Industries Limited, Maidenhead, Berkshire, England. Manufacture of transparent alginic films. 2,485,512, Oct. 18.
Rosen, Arthur, assignee: *See*—
Rosen, Paul.
Rosen, Edward E., assignee: *See*—
West, John W.
Rosen, Paul, assignor of fifty per cent to A. Rosen and fifty per cent to A. Gendel, West Orange, N. J. Sanitary mousetrap. 2,485,319, Oct. 18.
Rosenblum, Harold: *See*—
Blackman, Seymour N., and Rosenblum.
Rosenthal, Frank, New York, N. Y. Magazine lipstick case. 2,485,320, Oct. 18.
Ross, Allen R., Reston, Wash. Ladder. 2,485,413, Oct. 18.
Rossi, Bruno B.: *See*—
Allen, James S., and Rossi.
Roth, Herman P., Redondo Beach, and W. H. Warstler, Inglewood, assignors to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Isobaric control valve. 2,485,113, Oct. 18.
Rotor Tool Company, The, assignee: *See*—
Sturrock, James.
Rover Company Limited, The, assignee: *See*—
Boyle, William R.
Rowe, Paul H., assignor to Maas-Rowe Electromusic Corporation, Los Angeles, Calif. Electronic means providing tremolo for electrically operated musical instruments. 2,485,538, Oct. 18.
Rüesch, Paul, Turbenthal, Switzerland. Automatic heald stop motion for dobby looms. 2,485,414, Oct. 18.
Russell, Fred J., Beverly Hills, and G. B. Belevieff, assignors to Weiser Company, South Gate, Calif. Door lock. 2,484,961, Oct. 18.
Russell, Nelson B.: *See*—
Bond, Donald C., Russell, and Bernard.
Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Diolefin-nitrile copolymer bath for shrinkproofing wool. 2,484,962, Oct. 18.
S & C Electric Company, assignee: *See*—
Lindell, Sigurd I.
Sailors, Howard R.: *See*—
Hepp, Harold J., and Sailors.
St. Regis Paper Company, assignee: *See*—
Repas, Andrew.
Saltz, Shirly C.: *See*—
Cook, James M., and Salter.
Samuel, Norman M., Ottawa, Ontario, Canada. Cooking utensil. 2,484,963, Oct. 18.
Samuel Stamping and Enameling Company, assignee: *See*—
Shelton, Rob E., and Rau.
Sanborn Systems, Inc., assignee: *See*—
Sanborn, William L.
Sanborn, William L., Whitefish Bay, Wis., assignor to Sanborn Systems, Inc. Atomizing device for oil burners. 2,485,244, Oct. 18.

Sanchioni, Erte, Needham, Mass. Shoe and making same. 2,485,114, Oct. 18.

Santana, Alfred H., Baltimore, Md. Brush cover. 2,485,068, Oct. 18.

Sare, Otto C., Indianapolis, Ind. Latch. 2,484,964, Oct. 18.

Sargent, Herbert: *See*—
Ladd, Elbert C., and Sargent.

Saunders, Orson V., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus having condensate collecting means. 2,485,115, Oct. 18.

Savard, Kenneth, Montreal, Quebec, Canada, assignor, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y. Synthesis of dl-methionine. 2,485,116, Oct. 18.

Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Translating material of silicon base. 2,485,069, Oct. 18.

Schauer Machine Company, assignee: *See*—
Kotterman, Chester A.

Schiermeier, Knapel F., Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Corrosion preventive composition. 2,485,321, Oct. 18.

Schlagg, Selig A., Brooklyn, N. Y. Clothesline support. 2,485,322, Oct. 18.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of aryl dihaloalkanes. 2,485,017, Oct. 18.

Schmidt, Sylvester, Mukilteo, Wash. Marshmallow roaster. 2,484,858, Oct. 18.

Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Control system. 2,485,245, Oct. 18.

Schuessler, L. Ray, University City, Mo. Check tearing guide. 2,485,418, Oct. 18.

Schulse, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Inhibiting polymerisation of furfural in extractive distillation. 2,485,070, Oct. 18.

Schulse, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Inhibiting polymerisation of furfural in extractive distillation. 2,485,071, Oct. 18.

Schwartz, Eugene H., Brooklyn, N. Y. Method and apparatus for producing ornamental multicolored designs. 2,485,323, Oct. 18.

Schwars, Frank J., assignor to Armstrong Cork Company, Lancaster, Pa. Decorating surface coverings. 2,485,541, Oct. 18.

Schweitzer, Carl E.: *See*—
Gresham, William F., and Schweitzer.

Scovill Manufacturing Company, assignee: *See*—
McKnight, Robert L.

Seburger, Frederick, Ozone Park, N. Y. Mixer. 2,485,216, Oct. 18.

Seefeldt, Lawrence: *See*—
Hansen, Harold, and Seefeldt.

Seil, Frances M., executrix, assignee: *See*—
Seil, Gilbert E.

Seil, Gilbert E., Cynwyd, Pa.; F. M. Seil executrix of said G. E. Seil, deceased, assignor to F. M. Seil. Rotary kiln. 2,484,911, Oct. 18.

Seits, August W.: *See*—
Noel, Edward B., and Seits.

Semilof, Alex, assignor, by mesne assignments, to Reverso Products Co., Brooklyn, N. Y. Bottom rail for Venetian blinds. 2,485,217, Oct. 18.

Sepavich, Victor F.: *See*—
Bergstrom, Carl P., and Sepavich.

Seright, Carl G., Riverton, N. J., assignor to Radio Corporation of America. Antenna current indicator. 2,485,171, Oct. 18.

Sessions, Frank L., assignee: *See*—
Henning, Leslie G., and Sessions.

Settle, Frank E., Spokane, Wash. Painter's mask. 2,485,117, Oct. 18.

Seymour Manufacturing Company, The, assignee: *See*—
Freed, Meyer L., and Stocker.

Shakespeare, Nancy: *See*—
Tarbell, Dean S., Shakespeare, and Bunnett.

Shaw, Elgin L., Cuyahoga Falls, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Wing tip vortex reducer for aircraft. 2,485,218, Oct. 18.

Shaw-Walker Company, The, assignee: *See*—
Straus, Lois K.

Sheldrick, George E., Grosse Pointe, Mich. Cutting tool. 2,485,324, Oct. 18.

Shell Development Company, assignee: *See*—
Schiermeier, Kanpel F.

Shelton, Rob E., and C. R. Rau, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Furniture leg construction. 2,485,172, Oct. 18.

Shenker, Ben, West Orange, N. J. Toy target device. 2,484,912, Oct. 18.

Sheppard, Raymond: *See*—
Farnham, Sherman B., and Sheppard.

Shields, Wendell H., Grand Rapids, Mich. Heat-treating fabric. 2,485,072, Oct. 18.

Shiffler, William H., San Francisco, and W. H. Claussen, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Hydrocarbon conversions. 2,485,073, Oct. 18.

Shimer, F. A., assignee: *See*—
Bennett, Donald R., and Pat, and Young.

Shumsky, Solomon, Brooklyn, N. Y. Combination sofa and bed. 2,485,219, Oct. 18.

Siegel, Harry, New York, N. Y., assignor to All-Best Specialties Corp. Nursing bottle retainer. 2,485,461, Oct. 18.

Siems, Otto R., Yoakum, Tex. Rat and mousetrap. 2,485,416, Oct. 18.

Silverman, Harry: *See*—
Pampinella, Joseph, and Silverman.

Simpson, Doyle H., Albuquerque, N. Mex. Ventilated metal umbrella. 2,485,118, Oct. 18.

Sinnott, Nicholas E., Toledo, Ohio, assignor to National Biscuit Company, New York, N. Y. Car loader. 2,485,462, Oct. 18.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Making extruded collapsible tubes. 2,484,965, Oct. 18.

Slaymaker, Frank H.: *See*—
Olney, Benjamin, Slaymaker, and Meeker.

Sloane, Irving, Brooklyn, N. Y. Collapsible tripod dolly. 2,485,325, Oct. 18.

Slotterbeck, Ober C.: *See*—
Chambers, Thomas S., and Slotterbeck.

Smith, Arthur D., Spokane, Wash., assignor to Aluminum Company of America, Pittsburgh, Pa. Apparatus for delivering charges of material. 2,485,018, Oct. 18.

Smith, Frank M., Lexington, Mich. Building structure. 2,485,463, Oct. 18.

Smith, Philip D.: *See*—
Alexander, Peter, Burrows, and Smith.

Smith, Richard C.: *See*—
McPherson, Arthur D., Dalton, and Smith.

Smith, Samuel, Elmdon, England. Rotary swaging machine. 2,485,326, Oct. 18.

Smucker, Daniel M., Harrisonburg, Va. Dry mash feed hopper. 2,485,173, Oct. 18.

Snell, Foster D., Inc., assignee: *See*—
Phillips, George R.

Snell, Sam W., assignee, trustee: *See*—
Snell, Samuel A.

Snell, Samuel A., deceased, late of Jackson, Mich., by The Commerce Guardian Bank, Toledo, Ohio, now by change of name, Commerce National Bank of Toledo, executor; assignor to S. W. Snell, trustee. Torque absorber for speed reducing purposes and the like. 2,484,913, Oct. 18.

Snelling, Walter O., Allentown, Pa. Chewing gum. 2,484,859, Oct. 18.

Snelling, Walter O., Allentown, Pa. Chewing gum. 2,484,860, Oct. 18.

Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Phenol aldehyde-petroleum pitch-drying oil impregnating composition. 2,485,327, Oct. 18.

Snow, Howard, and R. H. Hocutt, Charlotte, N. C., assignors to Southern Friction Materials Company. Rotating and revolving brush means for preparing fibrous molding compositions. 2,484,966, Oct. 18.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Mottu, André.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Mapes, Gerard S., and Sudhols.
Weiss, Paul B.

Sodders, Ottis D., Jamestown, Ohio. Hog feeder. 2,484,967, Oct. 18.

Solovieff, George B.: *See*—
Russell, Fred J., and Solovieff.

Somerville, Peter P., Muncy, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Lubricated wire rope. 2,485,019, Oct. 18.

Southern Belting Company, assignee: *See*—
Dickinson, Ingram.

Southern Friction Materials Company, assignee: *See*—
Hocutt, Rudolph H.
Snow, Howard.
Snow, Howard, and Hocutt.

Sparks, William J.: *See*—
Nelson, Joseph F., and Sparks.

Sperry Corporation, The, assignee: *See*—
Ferrill, Thomas M., Jr.
Gould, Robert V.
Hammond, Edmund B., Jr.
Stande, Edwin G.
Streeter, Edward C., Jr.

Sperry Gyroscope Company, Ltd., The, assignee: *See*—
Glenny, Arthur P.

Spielman, Emeric M., Elmhurst, N. Y. Photoelectric keyboard instrument. 2,484,914, Oct. 18.

Sponaugle, Lloyd B., Akron, Ohio. Operating machine tools and apparatus therefor. 2,484,968, Oct. 18.

Spraker, Leon G., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article counting device. 2,485,328, Oct. 18.

Squibb, E. R., & Sons, assignee: *See*—
Wintersteiner, Oskar, and Adler.

Stacy, Jewil C., Norfolk, Va. Detachable furniture leg. 2,484,969, Oct. 18.

Standard Oil Company, The, assignee: *See*—
Musselman, John M.

Standard Oil Development Company, assignee: *See*—
Chambers, Thomas S., and Slotterbeck.
Connolly, Gerald C.
Eby, Lawrence T.
Frolich, Per K., and Arundale.
Gerbes, Otto.
Leesemann, Charles J. G.
Nelson, Joseph F., and Sparks.
Nunn, Leslie G., Jr.
Rex, Walter A., and Roethell.
Robbins, Leroy V., Jr., and Luening.
Roethell, Bruno E.
Rollman, Walter F.
Steele, Ciellie T., and Fuqua.
Tyson, Charles W.
Wasson, Jones I., and Hand, Jr.
Welty, Albert B., Jr.

Standen, John H.: *See*—
Steward, William D., and Standen.

Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.

Starn, Gleason W., assignor to Starn Tool and Manufacturing Company, Meadville, Pa. Fixture for magnetic chucks. 2,485,220, Oct. 18.

Starn Tool and Manufacturing Company, assignee: *See*—
Starn, Gleason W.

Staude, Edwin G., Minneapolis, Minn., assignor to The Sperry Corporation, New York, N. Y. Combined cutting and creasing dies for paper slotting machines. 2,485,020, Oct. 18.

Staveley, Wilford: *See*—
Bell, Alfred B., and Staveley.

Steel Products Engineering Company, The, assignee: *See*—
Condit, William B., Helfrick, and Poole.

Steele, Ciellie T., and M. C. Fuqua, Baton Rouge, La., assignors to Standard Oil Development Company. Ether purification. 2,485,329, Oct. 18.

Steenstrup, Carl H., Schenectady, N. Y., assignor to General Electric Company. Compressor. 2,485,417, Oct. 18.

Steiner, Oscar, assignor to Graflex, Inc., Rochester, N. Y. Aerial camera with photoelectric means responsive to illumination bomb for operating grid shutter. 2,485,119, Oct. 18.

Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Fuse tube adapter. 2,484,970, Oct. 18.

Stevenson, Robert, Barrington, R. I., assignor to Merit Engineering, Inc. Pressure control. 2,485,074, Oct. 18.

Stewart, Ernest L., North Salem, Ind. Fluid pressure sickle drive for harvesters. 2,484,861, Oct. 18.

Stewart-Warner Corporation, assignee: *See*—
Korsgren, Theodore Y., and Tramontini.
McCollum, Henry J. D.

Stewart, William D., and J. H. Standen, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Fungicidal compositions. 2,485,330, Oct. 18.

Stilwell, William E., Jr., Cincinnati, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Overload protective device. 2,484,863, Oct. 18.

Stocker, Oscar A.: *See*—
Fred, Meyer L., and Stocker.

Stott, Harold B., Glen Olden, Pa., assignor to Radio Corporation of America. Variable pitch drive screw and tuning system. 2,485,464, Oct. 18.

Stowe-Woodward, Inc., assignee: *See*—
Bates, Sulley J.

Straus, Lois K., Great Neck, N. Y., assignor to The Shaw-Walker Company, Muskegon, Mich. Payroll board. 2,485,513, Oct. 18.

Strecker, Victor, Oakland, Calif. Shutter-operated flash synchronizing switch having adjustable mounting means. 2,484,915, Oct. 18.

Streeter, Edward C., Jr., New York, N. Y., assignor to The Sperry Corporation. Compass stabilized direction finder. 2,484,862, Oct. 18.

Strickland, Harold A., Jr., Detroit, Mich., assignor by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electric furnace workpiece ejector mechanism. 2,484,865, Oct. 18.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Polyphase transformer arrangement. 2,484,866, Oct. 18.

Strickland, Harold A., Jr., and E. B. Vos, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating head. 2,484,864, Oct. 18.

Stromberg-Carlson Company, assignee: *See*—
Olney, Benjamin, Slaymaker, and Meeker.

Strub, Richard, Zurich, assignor to Albiswerk Zurich Aktiengesellschaft, Zurich-Albisrieden, Switzerland. Resistance transformer for transforming direct current into three-phase current. 2,484,867, Oct. 18.

Strupe, Cecil H., Cleveland Heights, assignor to The H. N. White Company, Cleveland, Ohio. Tuning device for wind musical instruments. 2,485,021, Oct. 18.

Stuhrman, Ahlert P., Miami, and C. W. McKee, Hialeah, Fla., assignors, by mesne assignments, to Link Aviation, Inc. Apparatus for training aircraft personnel in radio navigation. 2,485,331, Oct. 18.

Sturrock, James, Cleveland Heights, Ohio, assignor to The Rotor Tool Company. Speed responsive valve. 2,485,514, Oct. 18.

Sudhols, Louis H.: *See*—
Mapes, Gerard S., and Sudhols.

Sugar Creek Creamery Company, assignee, joint owner: *See*—
Lundal, Inxie J.

Sulcek, Charles E.: *See*—
Palmer, John S., and Sulcek.

Sulser Freres, Societe Anonyme, assignee: *See*—
Traupel, Walter.

Surface Combustion Corporation, assignee: *See*—
Munford, Theodore W.

Sutor, Paul E.: *See*—
Gallagher, William P., Weber, and Sutor.

Sutton, George P., Los Angeles, C. M. Wolfe, Covina, and J. A. Widenmann, South Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Pressure pick-up. 2,485,515, Oct. 18.

Sutton, Roy N., and E. A. Thomas, assignor to Arrow Shoe Machinery Co., St. Louis, Mo. Shoe machine. 2,485,332, Oct. 18.

Swanson, Donald F., Chicago, Ill. Coffee-making apparatus and automatic control means therefor. 2,485,246, Oct. 18.

Szenasi, Alfred J. and R. T., Holliday, Tex. Barrel holder. 2,485,075, Oct. 18.

Szenasi, Rufus T.: *See*—
Szenasi, Alfred J. and R. T.

Szulerecki, Martin L., Sauk Rapids, Minn. Blowtorch attachment for ladle tables. 2,485,120, Oct. 18.

Tabet, Georges E.: *See*—
Gresham, William F., and Tabet.

Tarbell, Dean S., Rochester, and N. Shakespeare, Port Washington, N. Y., and J. F. Bunnett, Portland, Oreg., assignors to the United States of America as represented by the Secretary of War. Basic side chain substituted quinoline derivative. 2,485,174, Oct. 18.

Tarshis, Ralph, Brooklyn, assignor of one-third to L. I. Brown, and one-third to E. Lehman, New York, N. Y. Rotating wing machine. 2,485,333, Oct. 18.

Tate, Herman D.: *See*—
Harris, Walter D., and Tate.

Taylor, Augustus H., East Cleveland, Ohio, assignor to General Electric Company. Meter for measurement of ultraviolet radiation. 2,485,418, Oct. 18.

Taylor, Louis W., Oakland, Calif. Crosshead for presses. 2,485,022, Oct. 18.

Technicolor Motion Picture Corporation, assignee: *See*—
Andreas, John M.

Terry, Irl W., Manteca, Calif. Universal push beam for implements. 2,485,334, Oct. 18.

Tewksbury, Lyndon B., Jr.: *See*—
Howland, Louis H., and Tewksbury.

Theuerer, Henry C.: *See*—
Scaff, Jack H., and Theuerer.

Thiokol Corporation, assignee: *See*—
Patrick, Joseph C., and Ferguson.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Discharger for centrifugal separators. 2,485,465, Oct. 18.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Centrifugal separator. 2,485,466, Oct. 18.

Thomas, Elmer A.: *See*—
Sutton, Roy N., and Thomas.

Thomas, Walter L.: *See*—
Blake, Robert E., Grange, and Thomas.

Thomas, Walter M.: *See*—
Wohnsiedler, Henry P., and Thomas.

Thompson, Robert W., Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Shallow plane proportional counter. 2,485,516, Oct. 18.

Thompson, Roy S., Westlake, Ohio. Wastebasket baler. 2,485,419, Oct. 18.

Timerman, Anthony T., Milwaukee, Wis. Fuse. 2,485,076, Oct. 18.

Timpé, Atwood M., Los Angeles, Calif. Shuttlecock. 2,485,420, Oct. 18.

Timpé, Atwood M., Los Angeles, Calif. Apparatus for making shuttlecocks. 2,485,421, Oct. 18.

Tobe Deutschmann Corporation, assignee: *See*—
Clark, Richard U.

Towner, Charles E.: *See*—
Pierce, Joseph D., and Towner.

Tramontini, Vernon N.: *See*—
Korsgren, Theodore Y., and Tramontini.

Trapp, George J., Leamington Spa, England. Recovering hard metal carbides from sintered masses. 2,485,175, Oct. 18.

Traupel, Walter, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Apparatus for operating gas turbine plants with high-pressure and low-pressure turbines. 2,485,023, Oct. 18.

Traylor, Samuel W., Jr., Allentown, Pa. Gyratory crusher with lubricated dust seal. 2,484,971, Oct. 18.

Tucker Corporation, assignee: *See*—
Lyman, Kenneth E.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Valve. 2,484,916, Oct. 18.

Turnham, Fitzhugh H., and E. W. Garrison, Jr., Birmingham, Ala. Electric low and high voltage fuse. 2,485,221, Oct. 18.

Turrettini, Fernand, Bellevue-Geneva, Switzerland. Optical comparison projecting apparatus having interchangeable objectives and condensers. 2,484,972, Oct. 18.

Tyson, Charles W., Summitt, N. J., assignor to Standard Oil Development Company. Polymer separation. 2,485,235, Oct. 18.

Union Carbide and Carbon Corporation, assignee: *See*— Jones, Homer W.

Union Francaise Commerciale et Industrielle, assignee: *See*— Lachampt, Felix L.

Union Steel Products Company, assignee: *See*— Hatch, Charles T.

United Aircraft Corporation, assignee: *See*— Kaltreider, Andrew. Ledwith, Walter A.

United-Carr Fastener Corporation, assignee: *See*— Churchill, Wilmer H.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*— Allen, James S., and Bondi. Baker, Charles P. Perkins, Melvin A. Thompson, Robert W.

United States Rubber Company, assignee: *See*— Harris, Walter D., and Tate. Hoverland, Louis H., and Tewksbury. Kharasch, Morris S. Ladd, Elbert C., and Sargent.

Universal Oil Products Company, assignee: *See*— Schmerling, Louis.

Urban, William J., Glen Ellyn, assignor to American Ore Reclamation Company, Chicago, Ill. Sintering machine dead plate. 2,485,422, Oct. 18.

Utilities Distributors, Inc., assignee: *See*— Andersen, Eric M.

Vale, Keith E., and J. H. Benson, assignors to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Electromagnetically operated vacuum sealed-relay. 2,485,024, Oct. 18.

Valyi, Emerik I., New York, N. Y. Molding machine. 2,485,236, Oct. 18.

Van Benschoten, Walter, Santa Monica, Calif. Counterbore. 2,485,077, Oct. 18.

Vancil, Edgar D.: *See*— Romaine, Millard, and Vancil.

Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Tight lock car coupler. 2,485,237, Oct. 18.

Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Tight lock car coupler. 2,485,338, Oct. 18.

Van Eijk, Willem, Amsterdam, assignor to Nederlandsche Centrale Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek, The Hague, Netherlands. Aqueous fungicidal dispersions of salicylanilide. 2,485,330, Oct. 18.

Vang, Alfred, Newark, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Welding can lock seams with high-frequency current. 2,484,973, Oct. 18.

Van Horn, Earl, Mineola, N. Y. Roller skate wheel. 2,484,974, Oct. 18.

Van Saun, Raymond H., Richmond, assignor to California Container Corporation, Oakland, Calif. Shipping container. 2,484,975, Oct. 18.

Vapor Heating Corporation, assignee: *See*— Lehane, Timothy J.

Vaule, Rae D.: *See*— Vaule, Sven A. and R. D.

Vaule, Sven A. and R. D., Freeport, Ill. Drawing board easel. 2,485,517, Oct. 18.

Verdery, Charlotte G., Phillipsburg, and C. G. Vogt, Union, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. 1-amino-4-(nitro-2'-hydroxy)-anilinoanthraquinone-2-sulfonic acids, the salts thereof and their chrome derivatives. 2,485,121, Oct. 18.

Vermetta, Lucien, Yonkers, N. Y. Machine for stripping insulation from wires. 2,485,518, Oct. 18.

Vermilyea, Ira G., San Bernardino, Calif. Smoking pipe. 2,485,222, Oct. 18.

Vertson, John A., Brea, Calif. Gear pump. 2,484,917, Oct. 18.

Victor Manufacturing & Gasket Co., assignee: *See*— Niessen, Paul F., and Welk.

Vogt, Curt G.: *See*— Verdery, Charlotte G., and Vogt.

Vos, Emil B.: *See*— Strickland, Harold A., Jr., and Vos.

Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype compositions containing N-acylamino phenol couplers. 2,485,122, Oct. 18.

Vulcan Copper & Supply Company, The, assignee: *See*— Wentworth, Theodore O.

Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Preselected stop means for tuner elements. 2,485,223, Oct. 18.

Wahl, Albert G., Los Angeles, Calif. Fountain pen. 2,485,224, Oct. 18.

Wahl, Albert G., Los Angeles, Calif. Coffee percolator. 2,485,247, Oct. 18.

Waldorf Paper Products Co., assignee: *See*— Capo, William J.

Wang, Chang Ya, New York, N. Y. Starring mixture for antimony smelting. 2,484,976, Oct. 18.

War, United States of America as represented by the Secretary of, assignee: *See*— Parham, Billy G. Tarbell, Dean S., Shakespeare, and Bunnett.

Wardy, Harry A., Los Angeles, Calif. Filing device. 2,485,519, Oct. 18.

Warmey, Bernard A., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. X-ray control switch. 2,485,340, Oct. 18.

Warsher, Adolph, Maywood, assignor to M. M. Bilofsky, Newark, N. J. Glow discharge switch. 2,485,520, Oct. 18.

Warstler, Walter H.: *See*— Roth, Herman P., and Warstler.

Wasson, Jones I., Union, and J. W. Hand, Jr., Summit, N. J., assignors to Standard Oil Development Company. Rust inhibiting composition. 2,485,341, Oct. 18.

Waterfall, Frederick D., Warley, Birmingham, England, assignor to Imperial Chemical Industries Limited. Selective carburisation of metals. 2,485,176, Oct. 18.

Watson, Frederick K., and P. Arthur, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pressure sensitive adhesives. 2,485,248, Oct. 18.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Sleeping car arrangement. 2,485,078, Oct. 18.

Wattles, George W., Jr., Pittsburgh, Pa. Deicer for windshield wipers. 2,485,025, Oct. 18.

Weaver, William A., Coventry, England. Priming device for starting engines. 2,485,423, Oct. 18.

Webb, Irving D., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of hexadiene dinitrile and product. 2,485,225, Oct. 18.

Webb, Jervis B., Company, assignee: *See*— Rose, Andrew G.

Weber, Carl: *See*— Gallagher, William P., Weber, and Sutor.

Weeden, Doris I., Asbury Park, N. J. Icing comminutor and extruder. 2,485,226, Oct. 18.

Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Broad-band antenna system. 2,485,177, Oct. 18.

Weinksuf, Henry P., Arcadia, Calif. Collapsible stand. 2,485,178, Oct. 18.

Weir, Horace M., Wynnewood, Pa., assignor to The Davison Chemical Corporation, Baltimore, Md. Process and apparatus for manufacturing gels. 2,485,249, Oct. 18.

Weisbaum, Jack, Cincinnati, Ohio. Dispenser with screw actuated follower. 2,485,467, Oct. 18.

Weiser Company, assignee: *See*— Russell, Fred J., and Solovieff.

Weiss, Jerome S., assignee: *See*— Jacobs, Louis.

Weiss, Shirley I., New York, N. Y. Magnetic sound recorder utilizing varying cathode currents. 2,485,539, Oct. 18.

Weiss, Paul B., Swarthmore, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Viscosimeter. 2,485,424, Oct. 18.

Welk, Robert G.: *See*— Niessen, Paul F., and Welk.

Welty, Albert B., Jr., Mountainside, N. J., assignor to Standard Oil Development Company. Oxidation of aromatic hydrocarbons. 2,485,342, Oct. 18.

Wendt, Robert H., Evanston, Ill. Spatula. 2,485,521, Oct. 18.

Wentworth, Theodore O., assignor to The Vulcan Copper & Supply Company, Cincinnati, Ohio. Liquid-vapor contact apparatus. 2,484,918, Oct. 18.

West, John W., assignor of one-third to P. H. Medwed, and one-third to E. E. Rosen, Bangor, Maine. Ice drill. 2,485,123, Oct. 18.

Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Harmonic generator. 2,485,124, Oct. 18.

Westcott, William B., Jr., Kingston, N. Y., assignor to Curtiss-Wright Corporation. Landing gear. 2,484,919, Oct. 18.

Westendorp, Willem F.: *See*— Pollock, Herbert C., and Westendorp.

Western Union Telegraph Company, The, assignee: *See*— Light, George G., and Blanton.

Westinghouse Electric Corporation, assignee: *See*— Harris, Walter R. King, George E. Kimball, Albert W., and Harding. Liwschitz, Michael, and Kimball. Morton, Harry E.

Wheelock, George L.: *See*— Henson, Robert T., Wheelock, and Rigga.

White, H. N., Company, The, assignee: *See*— Strupe, Cecil H.

Widenmann, John A.: *See*— Sutton, George P., Wolfe, and Widenmann.

Wilcox, Hiram S., Tonawanda, Pa. Safety mechanism for firearms. 2,484,977, Oct. 18.

Wilkinson, Joseph M., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Esterification of aryl vinyl compounds. 2,485,125, Oct. 18.

Williams, Alfred L. W.: *See*— Brown, Walter J., and Williams.

Williams, Keith, Buffalo, N. Y. Hand brake. 2,485,026, Oct. 18.

Williams, Keith, Buffalo, N. Y. Hand brake. 2,485,425, Oct. 18.

Williams, Keith, Buffalo, N. Y. Center pin for body and truck bolsters of railway cars. 2,485,426, Oct. 18.

Williamson, Walter H.: *See*— Hutchins, Ralph P., and Williamson.

Winters, William P., Cincinnati, Ohio, assignor to American Can Company, New York, N. Y. Side seam container electric welding machine. 2,484,868, Oct. 18.

Winterstein, Oskar, New Brunswick, N. J., and M. Adler, assignors to E. R. Squibb & Sons, New York, N. Y. Obtaining a crystalline sodium penicillin. 2,485,227, Oct. 18.

Wishnovsky, Michael: *See*— Austin, Gerald D., and Wishnovsky.

Witherell, Robert R., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Fuel feed system for spray type oil burners. 2,484,920, Oct. 18.

Witous, Benjamin G., assignee, trustee: *See*— Witous, Elizabeth M.

Witous, Elizabeth M., Chicago, Ill., assignor to B. G. Witous and G. H. Irwin, as joint trustees. Maternity hose supporter. 2,484,978, Oct. 18.

Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Colloidal melamine-urea-formaldehyde copolymer solutions. 2,485,079, Oct. 18.

Wohnsiedler, Henry P., Darien, and W. M. Thomas, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Colloidal melamine-urea-formaldehyde copolymer solutions. 2,485,080, Oct. 18.

Wolfe, Charles M.: *See*— Sutton, George P., Wolfe, and Widenmann.

Wolff, Christian B., Jr., Butte, Mont. Differential leverage brake transmission. 2,484,921, Oct. 18.

Wolsey Limited, assignee: *See*— Alexander, Peter, and Bell. Alexander, Peter, Burrows, and Smith.

Wood, Conrad, assignor to Wood Manufacturing Company, El Dorado, Ark., J. B. Wood, sole owner. Artificial bait. 2,485,179, Oct. 18.

Wood, Homer J., assignor to The Garrett Corporation, Los Angeles, Calif. Hydraulically controlled variable-speed transmission. 2,485,126, Oct. 18.

Wood, J. B., sole owner: *See*— Wood, Conrad.

Wood Manufacturing Company, assignee: *See*— Wood, Conrad.

Wood, Thomas E., Phoenix, Ariz. Ash tray and extinguisher. 2,485,228, Oct. 18.

Woodall Industries Incorporated, assignee: *See*— Greig, James W.

Workman, Ernest R., Chicago, Ill. Welding apparatus. 2,485,229, Oct. 18.

Worthington Pump and Machinery Corporation, assignee: *See*— Grace, John F. Lukas, Joseph C.

Wright, Francis M.: *See*— Anschicks, David P., and Wright.

Wright, Haselet N., Inglewood, Calif. Releasable implement hook. 2,485,127, Oct. 18.

Wrigley, Dwight A., Chatham, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Thermocouple for fire detection. 2,485,468, Oct. 18.

Wyeth Incorporated, assignee: *See*— Mueller, George P.

Young, Richard C.: *See*— Bennett, Donald R. and Pat, and Young.

Zbrojovka Brno, Narodni Podnik, assignee: *See*— Koucky, Josef.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Reversible plural clutch drive. 2,484,869, Oct. 18.

Zenith Radio Corporation, assignee: *See*— Wagenknecht, Otto E.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car door operating mechanism. 2,484,870, Oct. 18.

Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Multiple indicating system. 2,485,343, Oct. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Panel board. W. Robertson and L. W. Higgins. Re. 23,156, Oct. 18.

LIST OF PLANT INVENTIONS

Carnation plant. E. Prushek. 882, Oct. 18.
Fortunei plant, Euonymus. C. D. Corliss. 881, Oct. 18.
Pyracantha plant. K. Sawada. 884, Oct. 18.
Rose plant. H. C. Swim. 883, Oct. 18.

LIST OF DESIGN INVENTIONS

Ash tray. J. R. Robbins. 155,630, Oct. 18.
Automobile and airplane, Combined. K. R. Bailey. 155,569, Oct. 18.
Bezel, Watch. A. Grillikhes. 155,601–03, Oct. 18.
Bib or similar article. H. I. Strandhagen. 155,642, Oct. 18.
Billfold or the like. B. A. Arnold. 155,567, Oct. 18.
Boat. G. I. Mitchell. 155,620, Oct. 18.
Boot, Rubber. G. H. Bingham, Jr. 155,573, Oct. 18.
Bottle. J. H. Funkey. 155,595, Oct. 18.
Box. B. F. Conner. 155,585, Oct. 18.
Cabinet, Vending machine. E. H. Smiley and F. K. Storm, Jr. 155,634, Oct. 18.
Car body, Railway. F. L. Murphy and J. E. Candlin, Jr. 155,622, Oct. 18.
Carrier, Bottle. E. T. Wahlbom. 155,661, Oct. 18.
Cart or the like, Collapsible utility. H. Stoll. 155,640, Oct. 18.
Case, Combined cooking and display. G. H. Bushway. 155,577, Oct. 18.
Case for rare postage stamps, Combination portable display and storage. C. P. Meyer. 155,618, Oct. 18.
Case or similar article, Clock. A. Levy. 155,616, Oct. 18.
Casing for a billiard scoring device or the like. R. K. Morse. 155,621, Oct. 18.
Chair and vibrator, Combined. J. Werner and A. H. Zeigler. 155,662–3, Oct. 18.
Chair, armrest, and vibrator, Combined. J. Werner and A. H. Zeigler. 155,664, Oct. 18.
Charm or similar article. F. Schneebaum. 155,633, Oct. 18.
Clip and holder, Blanket. S. Tharler. 155,654, Oct. 18.
Coat. J. Freedman. 155,589–90, Oct. 18.
Coat. J. Freedman. 155,593, Oct. 18.
Dial, Compass. V. E. Budlong. 155,575, Oct. 18.
Dress. H. H. Stahl. 155,636, Oct. 18.
Dress. H. H. Stahl. 155,638, Oct. 18.
Dress. J. F. Strassner. 155,643–6, Oct. 18.
Dress. J. F. Strassner. 155,648, Oct. 18.
Dress. J. F. Strassner. 155,650–3, Oct. 18.
Dress ensemble. H. H. Stahl. 155,637, Oct. 18.
Dress ensemble. J. F. Strassner. 155,647, Oct. 18.
Dress ensemble. J. F. Strassner. 155,649, Oct. 18.
Drier, Hair. G. B. Leather. 155,615, Oct. 18.
Fire extinguisher, Portable hand. T. W. Johnson and H. G. Hastert. 155,611, Oct. 18.
Frame and handle for fish nets, Combined. J. W. Harvey. 155,605, Oct. 18.
Front for a spectacle frame. J. Gaspari. 155,596, Oct. 18.
Game board. A. A. Van Compernolle. 155,659, Oct. 18.
Grill, Charcoal. H. E. Roedter. 155,631, Oct. 18.
Grille guard, Automobile. L. C. and T. R. Helms and G. Tungett. 155,607, Oct. 18.
Guard and plaque, Combined door. L. L. Kadleck. 155,612, Oct. 18.
Handbag. H. Hilf. 155,608, Oct. 18.
Handle, Toothbrush. P. Zandberg, H. E. Feinstein, T. Sally, and A. Wachtin. 155,668–9, Oct. 18.
Holder, Cigarette. A. Arrighi. 155,568, Oct. 18.
Holder or the like, Napkin. B. Ulvad. 155,655–6, Oct. 18.
Indicating apparatus, Weather information. F. L. Vernon. 155,660, Oct. 18.
Iron, Electric. H. W. Wilson. 155,666, Oct. 18.
Iron handle, Electric. D. C. Gerber. 155,598, Oct. 18.
Iron or the like, Electric steam. C. B. Stevens. 155,639, Oct. 18.
Jar or similar article, Combination cosmetic. D. M. Ackerman. 155,564, Oct. 18.
Lamp, Attachable reading. J. Marino. 155,617, Oct. 18.
Lamp head. H. W. Darr. 155,586, Oct. 18.
Lamp, Pin-up. W. B. Young and H. M. Jensen. 155,667, Oct. 18.
Light, Night. T. R. Finke. 155,588, Oct. 18.
Lighter, Cigarette. K. Adler and H. H. Rosenthal. 155,565, Oct. 18.
Lighter, Table. P. Pouliot. 155,627, Oct. 18.
Link chain for a bracelet or the like, Expansible. J. M. Bender. 155,571, Oct. 18.
Lipstick and lip brush, Combination. W. E. Ballard. 155,570, Oct. 18.
Marking device for window screens, storm windows, or the like. J. E. Gaulke. 155,597, Oct. 18.
Napkin or similar article. K. C. Hamilton. 155,604, Oct. 18.
Pen, Fountain. D. Kahn. 155,613, Oct. 18.
Pin, Collar point. N. A. Gordon. 155,600, Oct. 18.
Pitcher. L. H. Russell. 155,632, Oct. 18.
Plate type apparatus for handling fluids. B. G. Newhall. 155,623, Oct. 18.
Rack and pot holders or similar article, Combined. S. Brodsky. 155,574, Oct. 18.
Scope, Water. E. B. Wilson. 155,665, Oct. 18.
Sealer, Envelope. F. K. Storm, Jr., and E. H. Daniels. 155,641, Oct. 18.
Seat and box for toys or similar articles, Combination juvenile. M. Miller. 155,619, Oct. 18.
Shaker, Condiment. B. Ulvad. 155,657, Oct. 18.
Signal and backup light, Combination directional. H. G. Dibelka. 155,587, Oct. 18.
Sofa. W. C. Pahlmann. 155,624, Oct. 18.
Speaker, Portable. B. R. Hooks. 155,609, Oct. 18.
Step attachment for rung ladders. K. A. Agricola. 155,566, Oct. 18.
Stove, Combination oil cooking and implement heating. S. Springer. 155,635, Oct. 18.
Suit. S. Cohen. 155,581–4, Oct. 18.
Suit. J. Freedman. 155,591–2, Oct. 18.
Suit. J. Freedman. 155,594, Oct. 18.
Suit. A. Glimcher. 155,599, Oct. 18.
Suit. G. Reiter. 155,629, Oct. 18.
Sunglasses. A. Coen. 155,580, Oct. 18.
Tee Marker, Golf. J. G. Burch. 155,576, Oct. 18.
Thimble, Sewing. S. Uribe. 155,658, Oct. 18.
Toy, Aero-spin. J. E. Perreault. 155,626, Oct. 18.
Toy automobile. J. O. Heinze. 155,606, Oct. 18.
Trailer. D. L. Painter. 155,625, Oct. 18.
Vehicle top. V. G. Klein and M. T. Blue. 155,614, Oct. 18.
Vibrating apparatus for treating human bodies. P. Bertholin. 155,572, Oct. 18.
Violin or similar article. C. A. Hountasis. 155,610, Oct. 18.
Watchcase. H. Reinstein. 155,628, Oct. 18.
Watchcase top. A. Chifari. 155,578–9, Oct. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading element. E. W. Hall. 2,484,994, Oct. 18.
Acoustical plaster and making. W. L. Chrisler. 2,485,259, Oct. 18.
Acrylic acid and esters thereof, Preparation of. B. C. Redmon. 2,485,510, Oct. 18.
Actuator, Adjustable variable slide. R. W. Brown. 2,484,874, Oct. 18.
Adapter, Fuse tube. A. G. Steinmayer. 2,484,970, Oct. 18.
Adhesive tape, Pressure-sensitive. C. J. Ebel and R. G. Drew. 2,484,938, Oct. 18.
Adhesives, Pressure sensitive. F. K. Watson and P. Arthur, Jr. 2,485,248, Oct. 18.
Adjustable screen. H. E. Becker. 2,485,183, Oct. 18.
Air control for tubular combustion chambers of oil burners. J. A. Logan. 2,485,207, Oct. 18.
Air supply control for oil burners, Automatically variable. J. A. Logan. 2,485,206, Oct. 18.
Alloy steel, Heat and corrosion resisting. P. Payson. 2,484,903, Oct. 18.
Amplifier system, Push-pull. R. B. Dome. 2,485,369, Oct. 18.
Antenna, Broad band. E. C. Cork. 2,485,482, Oct. 18.
Antenna current indicator. C. G. Seright. 2,485,171, Oct. 18.
Antenna for aircraft. J. K. De Armond. 2,484,817, Oct. 18.
Antenna for signal receivers. J. R. Ebbeler. 2,485,264, Oct. 18.
Antenna system. R. K. Potter. 2,485,457, Oct. 18.
Antenna system, Broad-band. R. S. Wehner. 2,485,177, Oct. 18.
Antenna system, High-gain. P. S. Carter. 2,485,138, Oct. 18.
Anthraquinone-2-carboxylic-dimethylamides and making same. H. C. Olpin and K. R. House. 2,484,902, Oct. 18.
Antiroosting device. A. L. Fralin. 2,485,148, Oct. 18.
Apparatus for delivering charges of material. A. D. Smith. 2,485,018, Oct. 18.
Apparatus for heat-treating surfaces of rails. A. R. Lytle. 2,484,897, Oct. 18.
Apparatus for hooding or capping bottles. W. O. Farrell. 2,485,373, Oct. 18.
Apparatus for illustrating economic laws. J. D. Mooney. 2,485,540, Oct. 18.
Apparatus for making shuttlecocks. A. M. Timpé. 2,485,421, Oct. 18.
Apparatus for making wire-cutting guides. T. F. Kenney and A. Bellavance. 2,485,495, Oct. 18.
Apparatus for operating gas turbine plants with high-pressure and low-pressure turbines. W. Traupel. 2,485,023, Oct. 18.
Apparatus for printing on fabrics, paper, or the like. F. Jané. 2,485,289, Oct. 18.
Apparatus for sterilizing liquids by irradiating means. G. G. Ellner. 2,485,267, Oct. 18.
Apparatus for training aircraft personnel in radio navigation. A. P. Stuhrman and C. W. McKee. 2,485,331, Oct. 18.
Apparatus for washing and cooling gases. M. Culkosky. 2,485,038, Oct. 18.
Apron, Spinning. H. M. Bacon and J. Rockoff. 2,484,810, Oct. 18.
Aqueous emulsion polymerization of vinyl acetate. W. R. Cornthwaite and H. W. Bryant. 2,485,141, Oct. 18.
Aqueous fungicidal dispersions of salicylanilide. W. van Eijk. 2,485,339, Oct. 18.
Aromatic aldehydes, Synthesis of. W. F. Gresham and G. E. Tabet. 2,485,237, Oct. 18.
Artificial bait. C. Wood. 2,485,179, Oct. 18.
Artificial fish lure. F. H. Layfield. 2,485,053, Oct. 18.
Aryl dihaloalkanes, Production of. L. Schmerling. 2,485,017, Oct. 18.
Ash tray and extinguisher. T. E. Wood. 2,485,228, Oct. 18.
Assembly, Copy table. G. D. Austin and M. Wishnovsky. 2,484,809, Oct. 18.
Atomizing device for oil burners. W. L. Sanborn. 2,485,244, Oct. 18.
Attachment for lawn mowers. D. R. Powell. 2,485,312, Oct. 18.
Aviation trainer. K. A. Kail. 2,485,292, Oct. 18.
Aviation trainer artificial horizon simulator actuating means. K. A. Kail. 2,485,293, Oct. 18.
Awning, Louvered. L. S. Eschrich. 2,484,987, Oct. 18.
Axially engaging opposed clutch. C. D. Peterson and A. H. Delmel. 2,485,214, Oct. 18.
Baler, Wastebasket. R. S. Thompson. 2,485,419, Oct. 18.
Baler, Wire tying. P. Kane. 2,485,001, Oct. 18.
Baling press. G. B. Hill. 2,484,890, Oct. 18.
Ball with flat sided finger holes, Bowling. S. J. Bates. 2,485,471, Oct. 18.
Bar or steel having a rotating contact face, Guitar. F. W. Peasley. 2,485,108, Oct. 18.
Barrel holder. A. J. and R. T. Szenasi. 2,485,075, Oct. 18.
Basic side chain substituted quinoline derivative. D. S. Tarbell, N. Shakespeare, and J. F. Bunnett. 2,485,174, Oct. 18.
Bed bottom and mattress structure, Unitary. L. Jacobs. 2,485,493, Oct. 18.
Bed, Collapsible baby. W. C. F. Dietz. 2,485,436, Oct. 18.
Bed, Sofa. D. Catalini. 2,485,188, Oct. 18.
Bed spring. S. J. Blaha. 2,484,872, Oct. 18.
Bed table and bookholder. A. G. Blumenstock. 2,485,135, Oct. 18.
Bile acid amides of diaminodiphenylsulfone. A. Berceller. 2,485,253, Oct. 18.
Blind for windows, Adjustable. C. A. Digby. 2,485,263, Oct. 18.
Blocker, Garment. C. B. Albert. 2,484,805, Oct. 18.
Blocker, Garment. J. D. Coney and C. B. Albert. 2,484,808, Oct. 18.
Blocker, Garment. K. R. Larson and J. G. Bils. 2,484,806–7, Oct. 18.
Blowpipe, Post-mixed, and thermochemically cutting metal. H. W. Jones. 2,484,891, Oct. 18.
Blowtorch attachment for ladle tables. M. I. Szulereckl. 2,485,120, Oct. 18.

Board: *See*—
Foldable ironing board.
Panel board.
Payroll board.

Boat, Foldable. D. G. Jackson. 2,485,446, Oct. 18.
Bobber for fishlines. L. H. Herman. 2,484,946, Oct. 18.
Boiler. J. D. Pierce and C. E. Towner. 2,485,536, Oct. 18.
Bolt casing. C. F. Friend. 2,485,042, Oct. 18.
Bonding rubber to cellulosic fibers. E. A. Bried. 2,485,136, Oct. 18.
Book, Child's. J. A. Links. 2,484,896, Oct. 18.

Box: *See*—
Collapsible cosmetic and all purpose utility box.

Bracket: *See*—
Curtain bracket.
Trolley conveyer bracket.

Brake: *See*—
Hand brake.

Brake apparatus. O. Bryant. 2,485,032, Oct. 18.
Brake rotor, Composite. F. E. Bachman. 2,485,082, Oct. 18.
Brake transmission, Differential leverage. C. B. Wolff, Jr. 2,484,921, Oct. 18.
Brake valve. C. Hollerith. 2,484,888, Oct. 18.
Brassière. H. Rabinowitz. 2,485,318, Oct. 18.
Breechblock device for firearms. J. Koucky. 2,485,155, Oct. 18.
Bright nickel plating compositions and process. M. L. Freed and O. A. Stocker. 2,485,149, Oct. 18.
Brush cover. A. H. Santana. 2,485,068, Oct. 18.
Brush means for preparing fibrous molding compositions, Rotating and revolving. H. Snow and R. H. Hocutt. 2,484,966, Oct. 18.
Building structure. F. M. Smith. 2,485,463, Oct. 18.
Bulldozer. R. A. Peterson. 2,485,407, Oct. 18.

Burner: *See*—
Gas burner.
Roadside weed burner.

Butterfat, Treating. C. E. North. 2,485,308, Oct. 18.
Button, Actuator. F. A. Niemann. 2,485,213, Oct. 18.

Cabinet: *See*—
Metal file cabinet.
Multiunit storage cabinet.

Cable clamp. R. Hoffman. 2,485,445, Oct. 18.
Calculator, Safety. D. P. Anschicks and F. M. Wright. 2,485,181, Oct. 18.
Camera with photoelectric means responsive to illumination bomb for operating grid shutter, Aerial. O. Steiner. 2,485,119, Oct. 18.
Canopy, Trailer supported. M. E. Bishop. 2,485,473, Oct. 18.
Capping bottles. W. O. Farrell. 2,485,372, Oct. 18.
Carbonating lime and of separating the same from magnesia. W. J. Barrett. 2,485,350, Oct. 18.
Carburetor. M. E. Chandler. 2,485,430, Oct. 18.
Carburization of metals, Selective. F. D. Waterfall. 2,485,176, Oct. 18.
Carton handling apparatus. W. J. Cupo. 2,485,040, Oct. 18.

Case: *See*—
Key case.
Magazine lipstick case.

Catcher, Droppings. R. E. Blake and W. L. Thomas. 2,484,927, Oct. 18.

Cement composition and indurating mixture therefor. D. R. MacPherson, W. G. France, and F. M. Ernsberger. 2,485,102, Oct. 18.
Center pin for body and truck bolsters of railway cars. K. Williams. 2,485,426, Oct. 18.
Centering device. O. V. Anderson. 2,484,801, Oct. 18.
Centrifugal separator. J. E. Tholl. 2,485,466, Oct. 18.
Centrifuge with primary and secondary zones of separation and process therefor. I. J. Lundal. 2,485,209, Oct. 18.
Ceric sulfate catalyzed emulsion polymerization of styrene. K. F. Park. 2,485,535, Oct. 18.
Chain: *See*—
Electric lighted key chain.
Chair: *See*—
Invalid wheel chair. Reclining chair.
Channel clip. H. L. Finch. 2,485,090, Oct. 18.
Chemotherapeutic agents. G. J. Martin. 2,485,591, Oct. 18.
Chewed gum receptacle. R. H. Kesten. 2,484,892, Oct. 18.
Child's vehicle. V. Marasco. 2,484,954, Oct. 18.
Chloro cresoxy acetic acid, Manufacture of. R. T. Foster. 2,485,146, Oct. 18.
Christmas tree holder. C. Cima. 2,485,233, Oct. 18.
Christmas tree stand. E. Rocco. 2,485,460, Oct. 18.
Circuit: *See*—
Pulse generating circuit. Thermostat control circuit.
Circuit for electric discharge devices, Starting and operating. A. Mandl. 2,485,398, Oct. 18.
Circuits, High-intensity electron flash tube. R. U. Clark. 2,485,037, Oct. 18.
Clamp: *See*—
Cable clamp.
Claw unit for moving-picture apparatus, Presser and feeding. J. J. Broido. 2,485,255, Oct. 18.
Clip: *See*—
Channel clip.
Clip for traveling grate stokers, Grate. F. B. Hall. 2,485,379, Oct. 18.
Closer, Circuit. J. T. Logan. 2,485,394, Oct. 18.
Clothesline. F. L. Grant, Jr. 2,484,941, Oct. 18.
Clothesline support. S. A. Schlaga. 2,485,322, Oct. 18.
Clothespin rack. S. Geller. 2,485,275, Oct. 18.
Clutch: *See*—
Axially engaging opposed Time delay centrifugal clutch. clutch.
Clutch drive, Reversible plural. R. C. Zeidler. 2,484,869, Oct. 18.
Clutch mechanism, Booster. R. A. Beckwith. 2,484,811, Oct. 18.
Clutch mechanism, Power energising. R. A. Beckwith. 2,484,812, Oct. 18.
Coffee-making apparatus and automatic control means therefor. D. F. Swanson. 2,485,246, Oct. 18.
Collapsible cosmetic and all-purpose utility box. M. Bauernfreund and J. Frei. 2,485,028, Oct. 18.
Collapsible stand. H. P. Weinkauf. 2,485,178, Oct. 18.
Colloidal melamine-urea-formaldehyde copolymer solutions. H. P. Wohnsiedler and W. M. Thomas. 2,485,079–80, Oct. 18.
Colloidal melamine-urea-formaldehyde copolymer solutions. H. P. Wohnsiedler and W. M. Thomas. 2,485,080, Oct. 18.
Combination burner and grate. V. J. Evans. 2,485,145, Oct. 18.
Combination flowerpot and saucer. H. T. Ritter. 2,484,909, Oct. 18.
Combination sofa and bed. S. Shumsky. 2,485,219, Oct. 18.
Combined cutting and creasing dies for paper slotting machine. E. G. Staude. 2,485,020, Oct. 18.
Combined shutoff and metering valve. S. R. Barr. 2,485,349, Oct. 18.
Combined time record and payroll envelope. L. F. Cravens. 2,485,241, Oct. 18.
Combustion chamber, Pressure fired. H. M. Arnold. 2,485,427, Oct. 18.
Comminator and extruder, Icing. D. I. Weeden. 2,485,226, Oct. 18.
Composition for descaling ferrous metal surfaces. P. H. Cardwell and G. E. Mullin. 2,485,528, Oct. 18.
Composition for removing scale from ferrous metal surfaces. P. H. Cardwell and G. E. Mullin. 2,485,529, Oct. 18.
Compressor. C. H. Steenstrup. 2,485,417, Oct. 18.
Condensation product, Melamine. H. W. Mohrman and F. E. Reese. 2,485,059, Oct. 18.
Condensation products of methylol aliphatic diureas and methylol aminotriazines. H. M. Cadot. 2,485,187, Oct. 18.
Connection means for phonograph pickups. W. J. Brown and A. L. W. Williams. 2,485,137, Oct. 18.
Contact apparatus, Liquid-vapor. T. O. Wentworth. 2,484,918, Oct. 18.
Contact element for plug-in sockets. S. T. Deakin. 2,485,344, Oct. 18.
Contact materials, Production of. J. H. Hickey. 2,484,428, Oct. 18.
Container: *See*—
Sharp freezing container. Shipping container.
Container with measuring trap, Tiltable. L. D. Friedman. 2,485,194, Oct. 18.
Control device, Pressure. W. W. Paget. 2,484,846, Oct. 18.
Control device, Pressure. W. W. Paget. 2,484,852, Oct. 18.
Control device responsive to rate of change of a condition, Electronic. J. L. Lindesmith. 2,485,005, Oct. 18.
Control system. J. R. Schoenbaum. 2,485,245, Oct. 18.
Control system for core type reel drives, Motor. W. R. Harris. 2,484,825, Oct. 18.
Control system of limit-responsive operation, Variable-voltage. G. E. King. 2,484,836, Oct. 18.
Controlled severity fluid coking. W. A. Rex and B. E. Roetheli. 2,485,315, Oct. 18.
Controlling apparatus, Pressure. W. W. Paget. 2,484,847–8, Oct. 18.
Controlling apparatus, Pressure. W. W. Paget. 2,484,851, Oct. 18.
Controlling shot patterns. W. L. Finlay. 2,484,988, Oct. 18.
Controlling shot patterns. G. E. Hutchinson. 2,484,998, Oct. 18.
Converter, Bessemer. H. L. McFeaters. 2,485,305, Oct. 18.
Cooling and pressurizing aircraft cabins. W. W. Paget. 2,484,850, Oct. 18.
Copolymer of butadiene-1,3 and alpha methyl para methyl-styrene. P. K. Frolich and E. Arundale. 2,485,273, Oct. 18.
Copolymers of tetrahydroabietyl alcohol-modified unsaturated alkyd resins and vinyl compounds. E. L. Kropa. 2,485,294, Oct. 18.
Corn combine with sheller. B. M. Hyman. 2,484,999, Oct. 18.
Corrosion prevention. L. G. Nunn, Jr. 2,485,309, Oct. 18.
Corrosion preventive composition. K. F. Schiermeier. 2,485,321, Oct. 18.
Corrosion-resisting lubricating compositions. F. J. Glavis and H. T. Neher. 2,485,376, Oct. 18.
Cottonseed meal Production of. R. P. Hutchins and W. H. Williamson. 2,484,831, Oct. 18.
Counter, Shallow plane proportional. R. W. Thompson. 2,485,516, Oct. 18.
Counterbore. W. Van Benschoten. 2,485,077, Oct. 18.
Counting device, Article. L. G. Spraker. 2,485,328, Oct. 18.
Coupler, Tight lock car. H. E. Van Dorn. 2,485,337–8, Oct. 18.
Coupling: *See*—
Fluid coupling. Tube coupling.
Hose coupling.
Coupling. B. A. Main, Jr., and M. W. Brandau. 2,485,006, Oct. 18.
Cover: *See*—
Brush cover.
Crosshead for presses. L. W. Taylor. 2,485,022, Oct. 18.
Crusher, Rock. A. E. Coryer. 2,485,362, Oct. 18.
Crusher with lubricated dust seal, Gyratory. S. W. Traylor, Jr. 2,484,971, Oct. 18.
Crystal growing apparatus. A. N. Holden. 2,484,829, Oct. 18.
Crystal plate, Piezoelectric. H. G. Baerwald. 2,485,129–32 Oct. 18.
Curtain and drape bar mounting means, Adjustable. D. Press. 2,484,855, Oct. 18.
Curtain bracket. H. Paine. 2,485,406, Oct. 18.
Cushion, Seat. E. R. Hathaway. 2,485,443, Oct. 18.
Cutoff gauge for saw tables. R. G. Garrett. 2,485,274, Oct. 18.
Cutoff mechanism. J. F. Peters. 2,484,854, Oct. 18.
Cutlery. C. E. Flynn. 2,485,375, Oct. 18.
Cutting tool. G. E. Sheldrick. 2,485,324, Oct. 18.
Cylinder, Pneumatic shock absorbing. J. C. Hanna. 2,484,883, Oct. 18.
Decorating surface coverings. F. J. Schwarz. 2,485,541, Oct. 18.
Dehydrating aqueous solutions of formic acid. H. M. Guinot. 2,485,048, Oct. 18.
Dehydrochlorination of chlorethyl polychlorobenzenes. C. H. Basdekis. 2,485,524, Oct. 18.
Deicer for windshield wipers. G. W. Wattles, Jr. 2,485,025, Oct. 18.
Deluge valve. H. G. Freeman. 2,485,091, Oct. 18.
Dessert composition, Nonstarch. F. Gatti. 2,485,043, Oct. 18.
Detecting ionization. J. S. Allen and B. B. Rossi. 2,485,489, Oct. 18.
Device for applying elastic gaskets to disk members. A. Repas. 2,485,166, Oct. 18.
Device for registration of superimposed films. J. M. Andreas. 2,484,871, Oct. 18.
Device for sampling molten metal in a ladle or the like. H. N. Hubbard and E. F. Ketterer. 2,485,492, Oct. 18.
Diazotype compositions containing N-acylamino phenol couplers. W. H. von Glahn and L. N. Stanley. 2,485,122, Oct. 18.
Dictating and interoffice-communicating system, Combination. A. P. Hornor. 2,485,381, Oct. 18.
Die casting apparatus. F. C. Bennett. 2,485,526, Oct. 18.
Die casting machine. A. F. Jelinek. 2,485,290, Oct. 18.
Dielectric sheet and manufacture. R. G. Quinn and J. C. Harkness. 2,485,458, Oct. 18.
Differential screw jack. J. F. Grace. 2,485,280, Oct. 18.
Diolefin-nitrile copolymer bath for shrinkproofing wool. J. B. Rust. 2,484,962, Oct. 18.
Direction finder, Compass stabilised. E. C. Streeter, Jr. 2,484,862, Oct. 18.
Direction finder, Radio. H. B. R. Beesman and C. J. de L. de la Sablonière. 2,485,353, Oct. 18.
Direction finding by means of rotating radio beacons. F. de Fremery. 2,485,365, Oct. 18.

Discharge device, Electron. W. C. Brown. 2,485,064, Oct. 18.
Discharger for centrifugal separators. J. E. Tholl. 2,485,465, Oct. 18.
Dispenser: *See*—
Label dispenser.
Dispenser with screw actuated follower. J. Weisbaum. 2,485,467, Oct. 18.
Dispensing apparatus. C. B. Newton. 2,485,062 Oct. 18.
Dolly, Collapsible tripod. I. Sloane. 2,485,325, Oct. 18.
Door handle. G. V. Jakeway. 2,485,000, Oct. 18.
Door handle and latch. J. S. Palmer and C. E. Sulcek. 2,485,012, Oct. 18.
Door lock. F. J. Russell and G. B. Solovieff. 2,484,861, Oct. 18.
Draft-rigging, Resiliently mounted. A. M. and M. P. Hutton. 2,484,889, Oct. 18.
Dresser, Grinding wheel. M. F. Porcello. 2,485,311, Oct. 18.
Drill: *See*—
Ice drill. Structure drill.
Drilling wells through formations which produce gas containing large amounts of hydrogen sulfide. D. C. Bond, N. B. Russell, and G. G. Bernard. 2,485,231, Oct. 18.
Drive for multiunit printing presses. H. E. Peyrebrune. 2,484,905, Oct. 18.
Drying reel. W. D. Renner. 2,485,412, Oct. 18.
Dyestuff mixtures and making same. P. Grossmann. 2,485,197, Oct. 18.
Easel, Drawing board. S. A. and R. D. Vaule. 2,485,517, Oct. 18.
Ejector mechanism for molding machines. J. D. Guelph. 2,485,263, Oct. 18.
Electric lamp. A. H. Burchard. 2,485,429, Oct. 18.
Electric lamp. E. Dore. 2,485,530, Oct. 18.
Electric lighted key chain. T. J. Cunningham. 2,485,483, Oct. 18.
Electrical machine. M. Liwschitz and A. W. Kimball. 2,484,840, Oct. 18.
Electrochemical production of nitrogen oxide. W. J. Cotton. 2,485,479–81, Oct. 18.
Electrochemically producing nitrogen oxide in the presence of tantalum electrodes. W. J. Cotton. 2,485,478, Oct. 18.
Electrodepositing lead on copper from a nitrate bath. T. S. Chambers and O. C. Slotterbeck. 2,485,258, Oct. 18.
Electromechanical device with dielectric operating element, Bender type. H. Jaffe. 2,484,950, Oct. 18.
Electron discharge apparatus, High-frequency. E. D. McArthur. 2,485,400, Oct. 18.
Electronic means providing tremolo for electrically operated musical instruments. P. H. Rowe. 2,485,538, Oct. 18.
Elevator, Bucket. F. H. Cothay. 2,484,931, Oct. 18.
Emulsion, Breaking. C. J. G. Leesemann. 2,485,298, Oct. 18.
Emulsion, Hydrocarbon. C. J. G. Leesemann. 2,485,297, Oct. 18.
Engine: *See*—
Scavenging two-cycle internal-combustion engine.
Engine control apparatus. A. B. Chudyk. 2,485,431, Oct. 18.
Epoxidation of esters of oleic and linoleic acids. W. D. Niederhauser and J. E. Koroly. 2,485,160, Oct. 18.
Ester of nicotinic acid. M. Hartmann and E. Merz. 2,485,152, Oct. 18.
Esterification of aryl vinyl compounds. J. M. Wilkinson, Jr. 2,485,125, Oct. 18.
Ether purification. C. T. Steele and M. C. Fuqua. 2,485,229, Oct. 18.
Exchange system, Telegraph. G. G. Light and W. B. Blanton. 2,484,833, Oct. 18.
Exchanger reinforcing means, Heat. H. B. Ellis. 2,485,068, Oct. 18.
Extractor for pneumatic tires, Nail. A. Iafrate. 2,484,948, Oct. 18.
Extracts from citrus fruit peel, Preparation of. O. I. Gmiewski. 2,485,279, Oct. 18.
Extruded collapsible tubes, Making. C. E. Slaughter. 2,484,965, Oct. 18.
Eye testing apparatus, Optical. E. Freeman. 2,485,272, Oct. 18.
Fan, High-temperature. H. E. Morton. 2,484,955, Oct. 18.
Fastener for attaching container backs or covers. W. H. Churchill. 2,485,189, Oct. 18.
Fastener structure. C. E. Nicolet. 2,485,010, Oct. 18.
Feed attachment, Carbon ribbon. D. B. Brewster. 2,485,254, Oct. 18.
Feed hopper, Dry mash. D. M. Smucker. 2,485,173, Oct. 18.
Feed system for spray type oil burners, Fuel. R. R. Witherell. 2,484,920, Oct. 18.
Feeder: *See*—
Hog feeder.
Feeding mechanism, Can and cover. F. Huntar. 2,484,830, Oct. 18.
Feeding mechanism for stokers, Fuel. R. E. Brewster. 2,484,929, Oct. 18.
Ferrule for welding studs. A. M. Candy. 2,485,357, Oct. 18.
File and instant locator, Daily sales book. V. D. McBrayer. 2,485,210, Oct. 18.
Filing device. H. A. Wardy. 2,485,519, Oct. 18.
Filing device, Saw. W. L. La Clair. 2,485,389, Oct. 18.
Finishing of plastic sheets, Surface. W. H. Hickok. 2,485,238, Oct. 18.
Fishing float, Illuminated. A. Diamond. 2,485,067, Oct. 18.
Fishing lure. F. J. Kennedy. 2,485,448, Oct. 18.
Fishing rod handle. A. C. Espenship. 2,485,144, Oct. 18.
Fixture for magnetic chucks. G. W. Starn. 2,485,220, Oct. 18.
Flash lamp device, Multiple. E. B. Noel. 2,485,404, Oct. 18.
Flash lamp device, Multiple. E. B. Noel and A. W. Seitz. 2,485,403, Oct. 18.
Flue damper, Swingable curtain-type. C. L. Myers. 2,485,306, Oct. 18.
Fluid coupling. E. M. Anderson. 2,484,924, Oct. 18.
Fluid mixing apparatus, Automatic. C. B. Hatfield. 2,484,945, Oct. 18.
Fluid motor system, Door operating. J. R. Almond. 2,485,252, Oct. 18.
Fluid operable system. H. M. Purcell. 2,484,907, Oct. 18.
Fluid purifier, Centrifugal. I. Langmuir. 2,485,390, Oct. 18.
Fluorescent light screen. A. A. Behnke. 2,485,133, Oct. 18.
Flusher, Sewer. B. Morris. 2,485,008, Oct. 18.
Foldable ironing board. J. J. Foglio. 2,485,198, Oct. 18.
Frame construction, Motor vehicle. K. E. Lyman. 2,485,500, Oct. 18.
Fringe machine. R. S. MacCaffray, Jr. 2,485,396, Oct. 18.
Froth flotation of copper sulfide ores with lignin sulfonates. R. B. Booth and R. A. Pickens. 2,485,083, Oct. 18.
Fuel injection pump. H. F. Budsien. 2,485,033, Oct. 18.
Fungicidal compositions. W. D. Stewart and J. H. Standen. 2,485,330, Oct. 18.
Furnace with removable coil stand. T. W. Munford. 2,485,453, Oct. 18.
Furniture, Baby. J. G. Krenske. 2,485,156, Oct. 18.
Furniture leg construction. R. R. Shelton and C. R. Rau. 2,485,172, Oct. 18.
Furniture leg, Detachable. J. C. Stacy. 2,484,969, Oct. 18.
Fuse. A. T. Timerman. 2,485,076, Oct. 18.
Fuse mounting. S. I. Lindell. 2,484,839, Oct. 18.
Game piece. T. B. Duncan. 2,485,143, Oct. 18.
Garment, Hunting. W. Halliday. 2,485,442, Oct. 18.
Gas burner. L. C. McKee. 2,485,058, Oct. 18.
Gate: *See*—
Tilting gate.
Gauge: *See*—
Pressure gauge.
Gear: *See*—
Landing gear.
Gear-changing drive. J. E. Gorrell. 2,485,151, Oct. 18.
Gear pump. J. A. Vertson. 2,484,917, Oct. 18.
Gearing. H. L. Misch. 2,485,503, Oct. 18.
Generator: *See*—
Harmonic generator. Pulse generator.
Multiple direct-current generator.
Gimbal and other bearings. A. P. Glenny. 2,484,821, Oct. 18.
Glare shield, Auxiliary. F. Friedheim. 2,485,440, Oct. 18.
Glass brick. S. A. McKuskie. 2,485,243, Oct. 18.
Glow discharge switch. A. Warsher. 2,485,520, Oct. 18.
Glyceride oils, Modifying. G. Barsky. 2,484,979, Oct. 18.
Golf score indicator. L. A. Culver. 2,485,191, Oct. 18.
Governor. W. H. Harstick. 2,484,995, Oct. 18.
Grain buncher, Threshed. A. E. Jacobs. 2,484,949, Oct. 18.
Grate, Furnace. A. E. Kosenski. 2,485,366, Oct. 18.
Gravity-actuated high-voltage switch. E. P. Roetter. 2,485,170, Oct. 18.
Gravity controlled liquid applying device. H. W. Jockers. 2,485,494, Oct. 18.
Grinder, Crankshaft. W. A. Holer, E. J. Rivoira, and L. E. Mehlhope. 2,484,887, Oct. 18.
Grinder, Terrazzo. H. J. Pond and D. A. Arenes. 2,484,906, Oct. 18.
Gripper, Scouring pad. F. H. Ellinger. 2,484,986, Oct. 18.
Ground-fault neutralizer by-pass switch reopening equipment. N. E. Dillow. 2,485,367, Oct. 18.
Guide, Adjustable fingernail polish. G. Klein. 2,485,384, Oct. 18.
Guide and holder, Door. R. L. Locke. 2,485,393, Oct. 18.
Guide, Check tearing. L. R. Schuessler. 2,485,415, Oct. 18.
Gum, Chewing. W. O. Snelling. 2,484,859–60, Oct. 18.
Halogen containing derivatives of dicarboxylic acids. M. S. Kharasch. 2,485,099, Oct. 18.
Hand brake. K. Williams. 2,485,425–6, Oct. 18.
Handle: *See*—
Door handle. Fishing rod handle.
Hanger: *See*—
Skirt hanger.
Harmonic generator. V. C. Westcott. 2,485,124, Oct. 18.
Hay stacker, Push-off. S. S. Pokorny. 2,485,110, Oct. 18.
Heald stop motion for dobby looms, Automatic. P. Rösch. 2,485,414, Oct. 18.
Heat transfer and precipitation means. H. C. Cooper. 2,484,875, Oct. 18.
Heat-treating fabric. W. H. Shields. 2,485,072, Oct. 18.
Heating apparatus of the fluid actuated fuel pump type. W. W. Paget. 2,484,849, Oct. 18.

Heating unit for tanks, Electric. K. R. Kuenne. 2,484,893, Oct. 18.
Hitch, Tractor-trailer. E. F. Duffy. 2,485,371, Oct. 18.
Hog feeder. O. D. Sodders. 2,484,967, Oct. 18.
Holder: *See*—
Barrel holder. Sadiron holder.
Christmas tree holder.
Holder for arc welding and arc cutting of metals. R. D. Colinet. 2,485,360, Oct. 18.
Holder for fruit and vegetables. F. T. Chensky. 2,485,035, Oct. 18.
Hollow molding and receptacle, Demountable. E. I. Ginther. 2,484,992, Oct. 18.
Hook: *See*—
Releasable implement hook.
Hose coupling. R. J. Halliay. 2,485,049, Oct. 18.
Hose supporter, Maternity. E. M. Witous. 2,484,978, Oct. 18.
Humidifier, Spinning bucket compartment. H. D. Haley. 2,484,882, Oct. 18.
Humidity control in aircraft air conditioning. S. K. Andersen. 2,485,522, Oct. 18.
Hydrocarbon, Chlorinated. M. A. Perkins. 2,485,507, Oct 18.
Hydrocarbon conversion in presence of silica-magnesia catalyst. G. C. Connolly. 2,485,260, Oct. 18.
Hydrocarbon conversions. W. H. Shiffler and W. H. Claussen. 2,485,073, Oct. 18.
Ice drill. J. W. West. 2,485,123, Oct. 18.
Igniter, Electrical. T. Y. Korsgren and V. N. Tramontini. 2,485,496, Oct. 18.
Imparting high energy to charged particles. H. C. Pollock and W. F. Westendorp. 2,485,409, Oct. 18.
Inclinometer and compass indicating means for grounded aviation trainers. S. I. Hayes. 2,485,286, Oct. 18.
Indicating device comprising a rotatable scale, more particularly for radio sets. M. J. Groenenberg. 2,485,196, Oct. 18.
Indicating system, Multiple. T. Zuschlag. 2,485,843, Oct. 18.
Indicator: *See*—
Antenna current indicator. Strip elongation indicator.
Golf score indicator.
Indicator and control valve, Pressure. H. Hansen and L. Seefeldt. 2,485,380, Oct. 18.
Indicator for free piston units, Electrical. A. Kalitinsky. 2,485,154, Oct. 18.
Induction heating head. H. A. Strickland, Jr., and E. B. Voe. 2,484,864, Oct. 18.
Inhibiting corrosion caused by liquid aluminum halide catalysts. O. Gerbes. 2,485,276, Oct. 18.
Inhibiting foaming in steam boilers. L. O. Gunderson. 2,485,378, Oct. 18.
Inhibiting polymerisation of furfural in extractive distillation. W. A. Schulze and J. C. Hillyer. 2,485,070–1, Oct. 18.
Injection of plastics as a continuous strip, Hydraulic. B. D. Ashbaugh. 2,485,523, Oct. 18.
Injector operating mechanism for internal-combustion engines. D. R. and P. Bennett, and R. C. Young. 2,484,926, Oct. 18.
Insecticides. W. D. Harris and H. D. Tate. 2,485,095, Oct. 18.
Inspecting or gauging apparatus, Thread. H. T. Lorenz. 2,484,953, Oct. 18.
Instrument, Musical. R. T. Cornelius. 2,484,930, Oct. 18.
Instrument, Musical. H. Lewis. 2,485,498, Oct. 18.
Instrument, Wind drift. G. Lowkrants and K. A. Kail. 2,485,301, Oct. 18.
Insulator support. C. Homann. 2,485,288, Oct. 18.
Invalid wheel chair. J. G. Rideout. 2,485,016, Oct. 18.
Ion-exchange material from light oil acid sludges, Making an. J. R. Bircher, Jr. 2,485,352, Oct. 18.
Iron and stand, Electric. M. Levey. 2,485,299, Oct. 18.
Ironing device. R. G. Mayo. 2,484,899, Oct. 18.
Isobaric control valve. H. P. Roth and W. H. Warstler. 2,485,113, Oct. 18.
Jack: *See*—
Differential screw jack.
Jet propulsion means for helicopters. H. J. D. McCollum. 2,485,502, Oct. 18.
Keyboard instrument, Photoelectric. E. M. Spielman. 2,484,914, Oct. 18.
Key case. W. E. Joslin. 2,485,051, Oct. 18.
Key for key operated machines. B. L. Henry. 2,484,886, Oct. 18.
Label dispenser. C. A. Flood. 2,484,880, Oct. 18.
Lactonisation of 2,4-polyhalogenoalkanoic esters. E. C. Ladd and H. Sargent. 2,485,100, Oct. 18.
Ladder. A. R. Ross. 2,485,413, Oct. 18.
Lamp: *See*—
Electric lamp.
Lamp and mounting therefor, Projection. W. Griffin. 2,485,377, Oct. 18.
Lamp installation, Germicide. L. A. Pope. 2,485,410, Oct. 18.
Landing gear. W. B. Westcott, Jr. 2,484,919, Oct. 18.
Latch: *See*—
Thumbpiece latch.
Latch. O. C. Sare. 2,484,964, Oct. 18.
Leather belting, Manufacture of. I. Dickinson. 2,484,937, Oct. 18.
Lighter. G. Desouches. 2,485,041, Oct. 18.
Lipstick cover with a springing mirror set therein. J. Pampinella and H. Silverman. 2,485,161, Oct. 18.
Liquid-control and deaerating device. P. W. Bedale. 2,485,525, Oct. 18.
Liquid fuel supply system for internal-combustion engines. W. R. Boyle. 2,485,186, Oct. 18.
Liquid sealed trap. W. S. Rae, Jr. 2,485,537, Oct. 18.
Load control system, Turbine-generator. S. B. Farnham and R. Sheppard. 2,485,374, Oct. 18.
Loader, Car. N. E. Sinnott. 2,485,462, Oct. 18.
Loading machine, Shovel. G. E. Coats. 2,485,139, Oct. 18.
Lock: *See*—
Door lock.
Lock and release, Wheel fairing. A. D. McPherson, R. M. Dalton, and R. C. Smith. 2,484,900, Oct. 18.
Lock joint for anatomical appliances. M. E. Christopher. 2,485,036, Oct. 18.
Locking device for swivel type lipstick containers having reeded caps. R. L. McKnight. 2,485,105, Oct. 18.
Locking device, Hinged. A. C. Radtke. 2,485,015, Oct. 18.
Loud-speaker, Electropneumatic. J. L. Fodor. 2,485,269, Oct. 18.
Low-temperature catalytic process for polymerising olefinic materials in the presence of an inorganic diluent. J. F. Nelson and W. J. Sparks. 2,485,454, Oct. 18.
Lubricant composition. J. M. Musselman. 2,484,843, Oct. 18.
Lubrication means, Turbine. W. A. Ledwith. 2,484,952, Oct. 18.
Machine for applying transfers. C. G. Newton. 2,484,901, Oct. 18.
Machine for filling containers with liquids. L. Clarke. 2,485,190, Oct. 18.
Machine for forming lawn mower handles and the like. H. J. Hoff. 2,485,096, Oct. 18.
Machine for jiggering oval dinnerware. R. F. Malarkey. 2,485,159, Oct. 18.
Machine for shaping shoe end portions. M. L. Dodge. 2,484,876, Oct. 18.
Machine for sizing tubes. L. H. Messinger. 2,485,007, Oct. 18.
Machine for slicing potatoes. G. J. Abbott. 2,485,344, Oct. 18.
Machine for stripping insulation from wires. L. Vermette. 2,485,518, Oct. 18.
Magazine lipstick case. F. Rosenthal. 2,485,320, Oct. 18.
Magnesium dust, Pelleting. E. W. Adams. 2,485,128, Oct. 18.
Magnetron. E. D. McArthur. 2,485,401, Oct. 18.
Mask, Painter's. F. E. Settle. 2,485,117, Oct. 18.
Material of silicon base, Translating. J. H. Scaff and H. C. Theuerer. 2,485,069, Oct. 18.
Mechanism for gear boxes, Preselecting. E. Bugatti. 2,485,034, Oct. 18.
Metal elements, Manufacture of zigzag. D. H. Green. 2,485,282, Oct. 18.
Metal file cabinet. J. Coyle and W. F. Punte. 2,484,933, Oct. 18.
Metal-free phthalocyanine, Manufacture of. W. L. Rintelman. 2,485,167–8, Oct. 18.
Metal halides, Recovery of. H. J. Hepp and H. R. Sailors. 2,485,050, Oct. 18.
Metal umbrella, Ventilated. D. H. Simpson. 2,485,118, Oct. 18.
Meter for measurement of ultraviolet radiation. A. H. Taylor. 2,485,418, Oct. 18.
Method and apparatus for closing and sealing cartons. P. A. Graf. 2,485,235, Oct. 18.
Method and apparatus for contacting solids and gases. W. F. Rollman. 2,485,318, Oct. 18.
Method and apparatus for control of beam energy. C. P. Baker. 2,485,470, Oct. 18.
Method and apparatus for drawing sheet metal. J. B. Brennan. 2,485,354, Oct. 18.
Method and apparatus for producing ornamental multicolored designs. E. H. Schwartz. 2,485,323, Oct. 18.
Microphone and switch, Hand. W. E. Gilman and R. C. Bierman. 2,485,278, Oct. 18.
Microphone, Dipole. B. Olney, F. H. Slaymaker, and W. F. Meeker. 2,485,405, Oct. 18.
Milling machine, Vertical spindle. F. A. Hassman and C. Herfurth. 2,484,885, Oct. 18.
Mineral oil compositions. F. J. Glavis and H. T. Neher. 2,485,150, Oct. 18.
Mirror, Light polarising. J. F. Dreyer. 2,484,818, Oct. 18.
Mirror mounting. Q. G. Noblitt and E. Ludlow. 2,485,063, Oct. 18.
Mixer. F. Seburger. 2,485,216, Oct. 18.
Mixing machine, Tilting. J. C. Lukas. 2,485,302, Oct. 18.
Molding machine. E. I. Valyi. 2,485,336, Oct. 18.
Molding machine, Shoe upper. M. L. Dodge. 2,484,877, Oct. 18.
Motion-picture camera stand. A. C. Contant. 2,484,982, Oct. 18.
Mounting: *See*—
Fuse mounting. Mirror mounting.
Mower attachment for tractors. L. E. Hoyt. 2,485,383, Oct. 18.
Muffler with corrugated casing, Baffle type. B. G. Harley. 2,484,827, Oct. 18.
Muffler with plural expansion chambers, Liquid cooled. F. J. Culbert. 2,484,816, Oct. 18.
Multiple socket wrench. C. W. Roeschke. 2,485,169, Oct. 18.

Multipole direct-current generator. A. W. Kimball and W. E. Harding. 2,484,835, Oct. 18.
Multiunit storage cabinet. J. A. Lindsay. 2,484,894, Oct. 18.
Multiway liquid valve. E. A. C. Eickstaedt. 2,485,192, Oct. 18.
Navigating and training apparatus, Aircraft. R. C. Dahmel. 2,485,435, Oct. 18.
Navigation system, Radio. T. M. Ferrill, Jr. 2,484,819, Oct. 18.
Nebuliser. S. N. Blackman and H. Rosenblum. 2,485,184, Oct. 18.
Nitrogen oxide in an electrical discharge apparatus, Producing. W. J. Cotton. 2,485,477, Oct. 18.
Nitrogen oxide, Producing. W. J. Cotton. 2,485,476, Oct. 18.
Nitroparaffin solvent process for making olefin nitrosochlorides. C. Bordenca and W. A. Lazier. 2,485,185, Oct. 18.
Nonslip rug pad. M. Newman. 2,485,307, Oct. 18.
Nonstick roll contact for contact relays, circuit breakers, thermostats, and the like. C. W. Johnson. 2,485,532, Oct. 18.
Novel process for soap purifying. F. L. Lachampt. 2,485,204, Oct. 18.
Nozzle construction. A. B. Guise. 2,484,942, Oct. 18.
Nozzle for spraying dry chemicals. A. B. Guise and T. W. Johnson. 2,484,943, Oct. 18.
Nozzle height adjustment arrangement for suction cleaners. G. R. Coss. 2,485,363, Oct. 18.
Nylon and other yarns, Treatment of. P. Alexander, H. Burrows, and P. D. Smith. 2,485,230, Oct. 18.
Oarlock and well bracket, Combined. E. S. Preston. 2,484,958, Oct. 18.
Obtaining a crystalline sodium penicillin. O. Wintersteiner and M. Adler. 2,485,227, Oct. 18.
1-amino-4-(nitro-2′-hydroxy)-anilino - anthraquinone-2-sulfonic acids, and salts thereof and their chrome derivatives. C. G. Verdery and C. G. Vogt. 2,485,121, Oct. 18.
Operating high voltage static current converters using ionic valves. J. Hansen. 2,485,198, Oct. 18.
Operating machine tools and apparatus therefor. L. B. Sponaugle. 2,484,968, Oct. 18.
Operating mechanism, Dump car door. A. E. Zimmer. 2,484,870, Oct. 18.
Operator for musical instruments, Striker. E. Dezso. 2,484,936, Oct. 18.
Optical comparison projecting apparatus having interchangeable objectives and condensers. F. Turrettini. 2,484,972, Oct. 18.
Oscillator, Piezoelectric. P. D. Gerber. 2,484,045, Oct. 18.
Oxidation of aromatic hydrocarbons. A. B. Welty, Jr. 2,485,342, Oct. 18.
Pack of abrasive coated sheets. A. J. Larson. 2,485,295, Oct. 18.
Packaged product and producing the same. G. H. McDonell. 2,484,842, Oct. 18.
Pad: *See*—
Nonslip rug pad.
Paint roller device, Self-feeding. A. Bleier and L. Altman. 2,485,428, Oct. 18.
Payroll board. L. K. Straus. 2,485,513, Oct. 18.
Pen, Fountain. A. G. Wahl. 2,485,224, Oct. 18.
Percolator, Coffee. A. G. Wahl. 2,485,247, Oct. 18.
Phenol aldehyde-petroleum pitch-drying oil impregnating composition. H. Snow. 2,485,327, Oct. 18.
Pickup, Magnetic phonograph. L. B. Cornwell. 2,485,432, Oct. 18.
Pickup, Pressure. G. P. Sutton, C. M. Wolfe, and J. A. Widenmann. 2,485,515, Oct. 18.
Pickup unit, Phonograph. S. R. Rich. 2,484,960, Oct. 18.
Pipe: *See*—
Smoking pipe.
Placement apparatus, Concrete. C. I. Longenecker. 2,485,208, Oct. 18.
Plaster of Paris, Manufacturing. B. E. Roetheli. 2,485,317, Oct. 18.
Plastic materials and compounding ingredients, Associating. R. T. Henson, G. L. Wheelock, and L. H. Riggs. 2,485,287, Oct. 18.
Platen leveling. H. M. Purcell. 2,484,908, Oct. 18.
Plating process, Aluminum. A. Arent. 2,485,182, Oct. 18.
Plectrum or pick for musical instrument. H. Galetsky. 2,484,820, Oct. 18.
Pliers. W. L. Rackowski. 2,485,459, Oct. 18.
Polymer separation. C. W. Tyson. 2,485,335, Oct. 18.
Polymerization of chloroethylene compounds in aqueous emulsion in the presence of amino-alcohols. V. L. Folt. 2,485,270, Oct. 18.
Polymers containing recurring aldehyde groups and derivatives thereof and preparing same. E. F. Izard. 2,485,239, Oct. 18.
Preparation of bis-(2-carboxyalkyl) sulfones. M. R. Frederick. 2,485,271, Oct. 18.
Preparation of methionine and precursors thereof. W. F. Gresham and C. E. Schweitzer. 2,485,236, Oct. 18.
Press: *See*—
Baling press.
Press. P. Lyijynen. 2,485,452, Oct. 18.
Press equipped with a synchronised stripping plunger, Hydraulic. W. Ernst and C. Hedrick. 2,484,879, Oct. 18.
Pressure-balanced pipe-expansion joint. A. Dreyer. 2,485,370, Oct. 18.
Pressure control. R. Stevenson. 2,485,074, Oct. 18.
Pressure gauge. F. W. Dwyer. 2,485,437, Oct. 18.
Priming device for starting engines. W. A. Weaver 2,485,423, Oct. 18.
Process and apparatus for manufacturing gels. H. M. Weir. 2,485,249, Oct. 18.
Producing clear, bubble-free castings by polymerising monomeric vinylidene compounds in the presence of nitric oxide. H. Gilbert. 2,485,277, Oct. 18.
Producing rounded terminals of fusible metal. A. H. Hofberg. 2,485,444, Oct. 18.
Projection apparatus for tool setting. J. B. Brennan. 2,485,355, Oct. 18.
Projection apparatus having opaque shutter and screen illumination means. A. Mottu. 2,484,956, Oct. 18.
Projector, Missile. W. Nicholas. 2,484,844, Oct. 18.
Propeller spinner anticing system, Aircraft. G. A. Dean. 2,485,234, Oct. 18.
Protecting metallic surfaces. P. J. Nebe. 2,485,061, Oct. 18.
Protective device, Overload. W. E. Sclwell, Jr. 2,484,863, Oct. 18.
Protector: *See*—
Sole protector.
Protein dispersions, Preparing. J. J. Eberl. 2,484,878, Oct. 18.
Pseudo linear polysulfide polymer. J. C. Patrick and H. R. Ferguson. 2,485,107, Oct. 18.
Pulper. G. W. Dodge. 2,485,368, Oct. 18.
Pulse generating circuit. H. W. Lord. 2,485,395, Oct. 18.
Pulse generator. H. C. Lindahl. 2,485,101, Oct. 18.
Pump: *See*—
Fuel injection pump. Reciprocating vane pump.
Gear pump. Rotary pump.
Pump. C. A. Erickson. 2,485,439, Oct. 18.
Pump unit, Motor. A. R. Pessillo. 2,485,408, Oct. 18.
Push beam for implements, Universal. I. W. Terry. 2,485,334, Oct. 18.
Quaternary nitrogen compounds, Manufacture of. A. Buurman. 2,485,256, Oct. 18.
Quenching oil and quenching metals. G. S. Mapes and L. H. Sudbols. 2,485,103, Oct. 18.
Rack: *See*—
Clothespin rack. Tie rack.
Rack. C. T. Hatch. 2,484,996, Oct. 18.
Radio direction finding method and apparatus. P. G. Hansel. 2,484,824, Oct. 18.
Radio-shielded unit. G. L. Lang. 2,485,241, Oct. 18.
Rail for Venetian blinds, Bottom. A. Semilof. 2,485,217, Oct. 18.
Rat and mouse trap. O. R. Siems. 2,485,416, Oct. 18.
Razor with double reciprocating blades, Safety. H. O. Mathie. 2,485,056, Oct. 18.
Receptacle: *See*—
Chewed gum receptacle.
Recessing the sink head of ingots and the like. M. S. Papazian. 2,485,065, Oct. 18.
Reciprocable valve. M. Morgan. 2,485,504, Oct. 18.
Reciprocating vane pump. R. G. Holt. 2,485,491, Oct. 18.
Reclining chair. J. Krakora. 2,485,387, Oct. 18.
Recorder unit, Magnetic. W. P. Lear. 2,485,451, Oct. 18.
Recorder utilising varying cathode currents, Magnetic sound. S. I. Weiss. 2,485,539, Oct. 18.
Recovering hard metal carbides from sintered masses. G. J. Trapp. 2,485,175, Oct. 18.
Rectangular translucent sound track record. A. Fuschi. 2,484,881, Oct. 18.
Rectifier. C. A. Kotterman. 2,485,450, Oct. 18.
Rectifier and production, Electric. W. H. Melklejohn. 2,485,402, Oct. 18
Reduction of hydroperoxides. E. J. Lorand. 2,484,841, Oct. 18.
Reel: *See*—
Drying reel.
Reel. J. S. Komassa. 2,485,385, Oct. 18.
Refining light oil products. W. O. Keeling. 2,484,834, Oct. 18.
Refrigerating apparatus. B. Hall. 2,484,944, Oct. 18.
Refrigerating apparatus. L. A. Philipp. 2,485,066, Oct. 18.
Refrigerating apparatus. G. W. Raye. 2,485,509, Oct. 18.
Refrigerating apparatus having condensate collecting means. O. V. Saunders. 2,485,115, Oct. 18.
Refrigerator. G. R. Heidenblut. 2,484,997, Oct. 18.
Regulating system, Automatic electric. R. G. Adams and J. H. Johnston. 2,485,346, Oct. 18.
Relay, Alternating current. M. Debrey. 2,484,934, Oct. 18.
Releasable implement hook. H. N. Wright. 2,485,127, Oct. 18.
Release for power presses, Overload. J. Muller. 2,485,009, Oct. 18.
Removing anions from fluid media. J. R. Dudley. 2,485,485, Oct. 18.
Resilient insert strip for drop seat garments. E. Eschelbacher. 2,485,268, Oct. 18.
Resilient unit for bed springs, chairs, and the like. A. M. Holtsman. 2,485,199, Oct. 18.
Resin compositions, Plasticised. J. T. Gregory. 2,485,281, Oct. 18.
Resolution of constant boiling mixtures of chlorosilanes. P. A. Di Giorgio and A. E. Newkirk. 2,485,366, Oct. 18.
Responsive device, Pressure. S. Crum. 2,485,433, Oct. 18.

Rest, Retractile leg. A. B. Bell and W. Staveley. 2,484,803, Oct. 18.
Retainer, Nursing bottle. H. Siegel. 2,485,461, Oct. 18.
Roadside weed burner. A. S. and R. J. Lasseigne. 2,485,391, Oct. 18.
Roaster, Marshmallow. S. Schmidt. 2,484,858, Oct. 18.
Roller, Cultivating. E. McCormick. 2,485,037, Oct. 18.
Roller skate wheel. E. Van Horn. 2,484,974, Oct. 18.
Rotary kiln. G. E. Sell. 2,484,911, Oct. 18.
Rotary pump. M. Gruber. 2,484,993, Oct. 18.
Rotary pump and motor hydraulic transmission, Reversible, variable-speed. C. L. Jackson. 2,485,240, Oct. 18.
Rotary swaging machine. S. Smith. 2,485,326, Oct. 18.
Rotor, Permanent magnet. M. W. Brainard. 2,485,474, Oct. 18.
Rubber tackified with acylated phenolaldehyde resin. L. H. Howland and L. B. Tewksbury, Jr. 2,485,097, Oct. 18.
Rust inhibiting composition. J. I. Wasson and J. W. Hand, Jr. 2,485,341, Oct. 18.
Sadiron holder. A. W. Baxter. 2,485,472, Oct. 18.
Safety device for guns. J. F. Boone. 2,484,928, Oct. 18.
Safety mechanism for firearms. H. S. Wilcox. 2,484,977, Oct. 18.
Sanding mechanism for automobiles, Road. F. L. Doud and S. E. Hunt. 2,484,965, Oct. 18.
Sanitary mousetrap. F. Reesa. 2,485,319, Oct. 18.
Scaffold plank, Metal. A. F. Polman. 2,485,165, Oct. 18.
Scavenging two-cycle internal-combustion engine. K. V. Anderson. 2,484,923, Oct. 18.
Screen: *See*—
Adjustable screen. Window screen.
Fluorescent light screen.
Screw actuated tire press with circumferentially distributed thrust elements. T. Kelly. 2,485,202, Oct. 18.
Seal, Dry cell and battery. A. M. MacFarland. 2,485,397, Oct. 18.
Seal, Fluid. P. F. Niessen and R. G. Welk. 2,485,011, Oct. 18.
Sealing arrangement for the shafts of turbomachines of thermal power plants in which the greater part of a gaseous medium continuously describes a closed cycle under pressure above atmospheric. C. Keller. 2,485,447, Oct. 18.
Sealing deposits in wells, Forming. P. H. Cardwell. 2,485,527, Oct. 18.
Seat for vehicles, Adjustable. J. B. Robins. 2,485,111, Oct. 18.
Separating machine. C. E. Barbee and W. P. Berggren. 2,485,027, Oct. 18.
Separation of trilsobutylene isomers. L. T. Eby. 2,485,265, Oct. 18.
Separator: *See*—
Centrifugal separator.
7-chloro-4-(1-ethyl-4-piperidylamino)-quinoline. B. G. Parham. 2,485,162, Oct. 18.
Sharp freezing container. H. Y. Jennings. 2,484,832, Oct. 18.
Sharpener, Pencil. M. C. Garrett. 2,485,441, Oct. 18.
Shaver, Snowball. J. Ragolle. 2,485,314, Oct. 18.
Sheet treating machine. E. E. J. Nordquist and B. A. Baumann. 2,484,845, Oct. 18.
Shelf unit, Adjustable. M. E. Roberts. 2,485,067, Oct. 18.
Shipping container. R. H. Van Sann. 2,484,975, Oct. 18.
Shock absorber, Bicycle. C. H. Dean. 2,485,484, Oct. 18.
Shock absorber for aerial delivery apparatus. T. Parsons. 2,484,853, Oct. 18.
Shoe and making same. E. Sanchioni. 2,485,114, Oct. 18.
Shoe arch, Dual-action. K. J. Patry. 2,485,506, Oct. 18.
Shoe machine. E. N. Sutton and E. A. Thomas. 2,485,332, Oct. 18.
Shoe tree for open heeled shoes. R. B. Nelson. 2,485,505, Oct. 18.
Shower head attachment. B. Rose. 2,485,112, Oct. 18.
Shredding device, Stalk. J. L. Aasland. 2,484,802, Oct. 18.
Shuttlecock. A. M. Timpd. 2,485,420, Oct. 18.
Sickle drive for harvesters, Fluid pressure. E. L. Stewart. 2,484,861, Oct. 18.
Signaling means, Light. B. G. Lake. 2,484,837, Oct. 18.
Silencer with cloth gas-conducting conduit. R. L. Leadbetter. 2,485,392, Oct. 18.
Silencer with flattened corrugated gas passage. B. G. Harley. 2,484,826, Oct. 18.
Simulated flight control loading and centering means for grounded aviation trainers. K. A. Kail. 2,485,291, Oct. 18.
Sintering machine dead plate. W. J. Urban. 2,485,422, Oct. 18.
6-alkoxy-androstene-17-ols. P. L. Julian, J. W. Cole, A. Magnani, and E. W. Meyer. 2,484,833, Oct. 18.
Skirt hanger. G. A. Kuhn. 2,485,388, Oct. 18.
Sleeping car arrangement. M. Watter. 2,485,078, Oct. 18.
Sleeping car room arrangement. G. K. Murphy. 2,485,060, Oct. 18.
Slide, Automatic hob. B. R. Purvin. 2,484,856, Oct. 18.
Slide valve. L. V. Robbins, Jr., and W. D. Luening. 2,485,316, Oct. 18.
Sliding window, Exterior. W. Lescase. 2,485,296, Oct. 18.
Slit, Optical. G. Fassin. 2,485,089, Oct. 18.
Smoking pipe. I. G. Vermilyea. 2,485,222, Oct. 18.
Snubbing means. G. E. Bath. 2,484,983, Oct. 18.
Soap, Continuous production of. F. L. Lachampt. 2,485,205, Oct. 18.
Socket, Photographic flash-bulb. G. Prager. 2,485,014, Oct. 18.
Sole protector. E. F. De Rooy. 2,484,935, Oct. 18.
Spar roots for helicopter blades and the like, Making. E. Mayne and H. L. Hosterman, Jr. 2,485,534, Oct. 18.
Spatula. R. H. Wendt. 2,485,521, Oct. 18.
Spectacles, Microfilm reading. V. E. Pratt and G. F. Gray. 2,485,411, Oct. 18.
Speed control system, Multiple. D. T. Gundersen. 2,485,094, Oct. 18.
Speed responsive valve. J. Sturrock. 2,485,514, Oct. 18.
Spindle. K. A. Gelpke. 2,485,098, Oct. 18.
Spooler. I. C. Howes. 2,485,382, Oct. 18.
Spoon and medicine bottle, Combined. L. Marcus. 2,485,303, Oct. 18.
Spreader, Fertilizer. R. D. Acton. 2,484,800, Oct. 18.
Spring: *See*—
Bed spring.
Spun suture. J. O. Bower. 2,484,813, Oct. 18.
Squaring mechanism. L. W. Imm. 2,485,200, Oct. 18.
Stabilizer for oscillators, Frequency. W. E. Bradley. 2,485,029, Oct. 18.
Stand: *See*—
Christmas tree stand. Tree stand.
Collapsible stand.
Motion-picture camera stand.
Starring mixture for antimony smelting. C. Y. Wang. 2,484,976, Oct. 18.
Steaming appliance, Towel. M. L. Cordero. 2,485,140, Oct. 18.
Steel, Free machining. S. L. Case. 2,485,358, Oct. 18.
Stockings and the like, Manufacture of. H. G. A. Leullette. 2,485,004, Oct. 18.
Stop means for tuner elements, Preselected. O. E. Wagenknecht. 2,485,223, Oct. 18.
Stop toe for roller skates. G. V. Fowlkes. 2,485,147, Oct. 18.
Stopper for condenser tubes, Leak. S. Pennella. 2,484,904, Oct. 18.
Stove or range, Cooking. J. M. Cook and S. C. Salter. 2,485,359, Oct. 18.
Streptomycin purification. G. P. Mueller. 2,485,106, Oct. 18.
Stretcher, Clothes. W. E. Caldwell. 2,485,257, Oct. 18.
Stretcher, Fur. H. T. Leighton. 2,485,242, Oct. 18.
Stretcher, Wire. W. W. Parks. 2,484,957, Oct. 18.
Strip elongation indicator. K. W. Harris. 2,485,285, Oct. 18.
Stripper. J. D. Guelph. 2,485,284, Oct. 18.
Structure drill. T. Johnson. 2,485,098, Oct. 18.
Style of outer garments, Slipover. W. A. Riggs. 2,485,511, Oct. 18.
Sulfur dioxide solvent process for making olefin nitrosochlorides, Liquid. R. K. Allison. 2,485,180, Oct. 18.
Support: *See*—
Clothesline support. Vehicle rear axle housing support.
Insulator support.
Support for ball mills, Roller. E. H. Brant. 2,484,872, Oct. 18.
Support for bowling alley masking units. R. I. Andersen and B. Hoeker. 2,485,347, Oct. 18.
Support for luggage, Retractible wheeled. G. G. Kubo. 2,484,951, Oct. 18.
Suspension for gyroscopes, Spring. E. B. Hammond, Jr. 2,484,823, Oct. 18.
Switch: *See*—
Glow discharge switch. X-ray control switch.
Gravity-actuated high-voltage switch.
Switch construction, Electric. W. H. Martin. 2,485,299, Oct. 18.
Switch having adjustable mounting means, Shutter-operated flash synchronizing. V. Strecker. 2,484,915, Oct. 18.
Switch mechanism. E. S. Giffin. 2,484,991, Oct. 18.
Switching apparatus for ultra high frequency. E. V. Gould. 2,484,822, Oct. 18.
Swivel coupling for tractor-trailer units, Jackknife proof. H. Alger. 2,485,251, Oct. 18.
Synthesis of di-methionine. K. Savard. 2,485,116, Oct. 18.
Synthesis of hexadiene dinitrile and product. I. D. Webb. 2,485,225, Oct. 18.
Take-off and landing simulating means for grounded aviation trainers. R. H. Lewis. 2,485,490, Oct. 18.
Tap removing, Broken. W. B. Condit, H. E. Helfrick, and E. T. Poole. 2,485,361, Oct. 18.
Tape serving machine. T. H. Krueger. 2,485,002, Oct. 18.
Telephone system, Automatic. J. I. Bellamy. 2,485,351, Oct. 18.
Telescopic objective of the Cassegrainian type, Reflecting. A. A. Ackerman. 2,485,345, Oct. 18.
Tempering apparatus. C. A. Baker and R. A. Hinkley. 2,484,925, Oct. 18.
Textile cord and making it. L. G. Henning and F. L. Sessions. 2,485,153, Oct. 18.
Thermal power element, Vapor pressure type. I. W. Cox. 2,484,932, Oct. 18.
Thermocouple for fire detection. D. A. Wrigley. 2,485,468, Oct. 18.
Thermostat control circuit. T. J. Lehane. 2,485,003, Oct. 18.
Thumbpiece latch. A. F. Licktieg. 2,485,054, Oct. 18.

Tie rack. D. R. Jewett. 2,485,201, Oct. 18.
Tie rack. W. A. Odencrants and C. W. Jorgensen. 2,485,455, Oct. 18.
Tilting gate. J. B. Clay. 2,484,980, Oct. 18.
Tilting mechanism, Venetian blind slat. F. J. Burns. 2,484,804, Oct. 18.
Time delay centrifugal clutch. T. J. Mesh. 2,485,211, Oct. 18.
Timing mechanism. W. P. Gallagher, C. Weber, and P. E. Sutor. 2,485,195, Oct. 18.
Toaster and the like, Automatic electric. A. B. Poole. 2,485,456, Oct. 18.
Tobacco pipe reamer, Adjustable. J. J. Edmondson. 2,485,438, Oct. 18.
Toggle bolt, Surgical. W. Daus and G. S. King. 2,485,531, Oct. 18.
Tool: *See*—
Cutting tool.
Tool for reshaping automobile panels. W. H. Ferguson. 2,485,486–90, Oct. 18.
Tool for turning over ends of rivets, Hooked. G. R. Phillips. 2,485,109, Oct. 18.
Toolholder. W. C. Keebler. 2,485,052, Oct. 18.
Toolholder and blade. J. M. Luers. 2,485,055, Oct. 18.
Torque absorber for speed reducing purposes and the like. S. A. Snell. 2,484,913, Oct. 18.
Toy. K. Paclayan. 2,485,064, Oct. 18.
Toy book, Educational. J. A. Links. 2,484,895, Oct. 18.
Toy spur. J. L. MacDonald. 2,484,898, Oct. 18.
Toy target device. B. Shenker. 2,484,912, Oct. 18.
Toy, Whistling. T. R. Duncan. 2,485,142, Oct. 18.
Trailer, Tent. A. C. Brenneman. 2,485,475, Oct. 18.
Trainer, Ship recognition. T. F. Broady, R. C. Heerdink, and L. C. Marcheski. 2,484,814, Oct. 18.
Training apparatus. M. W. Edinburg. 2,485,266, Oct. 18.
Training device, Radio navigation. G. A. Decker. 2,485,262, Oct. 18.
Transformer arrangement, Polyphase. H. A. Strickland, Jr. 2,484,866, Oct. 18.
Transformer for transforming direct current into three-phase current, Resistance. R. Strub. 2,484,867, Oct. 18.
Transformer, Hydraulic. J. C. Hanna. 2,484,884, Oct. 18.
Transmission, Hydraulically controlled variable-speed. H. J. Wood. 2,485,126, Oct. 18.
Transmission system, High-frequency. W. E. Bradley. 2,485,030–1, Oct. 18.
Transparent alginic films, Manufacture of. R. C. Rose. 2,485,512, Oct. 18.
Trap: *See*—
Liquid sealed trap. Rat and mouse trap.
Tread, Step. R. H. Hocutt. 2,484,947, Oct. 18.
Treating gypsum obtained as a by-product of phosphoric acid manufacture. G. A. Peirce. 2,485,164, Oct. 18.
Tree stand. E. F. Ahrens. 2,485,081, Oct. 18.
Trimmer, Grass. T. B. Funk. 2,484,989–90, Oct. 18.
Trolley conveyer bracket. A. G. Rose. 2,485,215, Oct. 18.
Truck, Hand. A. R. Burch. 2,485,085, Oct. 18.
Truck, Snubbed. E. J. Maatman. 2,485,104, Oct. 18.
Truck, Snubbed. R. C. Pierce. 2,485,013, Oct. 18.
Truck, Snubbed. R. C. Pierce. 2,485,508, Oct. 18.
Tube coupling. C. B. Crawford. 2,484,815, Oct. 18.
Tufting machine. S. P. Parker. 2,485,163, Oct. 18.
Tuning device for wind musical instruments. C. H. Strupe. 2,485,021, Oct. 18.
2-[phenthiasinyl - (N) - methyl]-imidasolines, the corresponding 2-(phenoxasinyl) imidasolines, and their salts. K. Miescher and A. Marxer. 2,485,212, Oct. 18.
Unit, Diving. J. Y. Cousteau and E. Gagnan. 2,485,039, Oct. 18.
Urea-formaldehyde compositions. H. M. Kvalnes and F. S. Chance. 2,485,203, Oct. 18.
Utensil, Cooking. N. M. Samuel. 2,484,963, Oct. 18.
Vacuum sealed-relay, Electromagnetically operated. K. R. Vale and J. E. Benson. 2,485,024, Oct. 18.
Valve: *See*—
Brake valve. Multiway liquid valve.
Combined shutoff and metering valve. Reciprocable valve.
Deluge valve. Slide valve.
Isobaric control valve. Speed responsive valve.
Valve. G. W. Fransheim. 2,484,940, Oct. 18.
Valve. W. R. Tucker. 2,484,916, Oct. 18.
Valve construction. T. E. Gannon. 2,485,092, Oct. 18.
Valve system, Drainage. G. T. Brown. 2,485,232, Oct. 18.
Variable pitch drive screw and tuning system. H. B. Stott. 2,485,464, Oct. 18.
Variable-speed mechanism. M. Romaine and E. D. Vancil. 2,484,910, Oct. 18.
Vehicle: *See*—
Child's vehicle.
Vehicle bed, Adjustable. E. Lisota. 2,485,300, Oct. 18.
Vehicle body floor structure. J. W. Greig. 2,485,047, Oct. 18.
Vehicle for children, Wheeled. T. W. Fassett. 2,484,939, Oct. 18.
Vehicle rear axle housing support. C. and E. A. Cynamon. 2,485,434, Oct. 18.
Ventilating apparatus. A. M. Brown and M. L. Mascia. 2,485,356, Oct. 18.
Ventilator, Window. L. G. Allen. 2,484,922, Oct. 18.
Video black clipper. S. R. Patremio. 2,485,310, Oct. 18.
Vinyl acetate production. W. H. Gehrke. 2,485,044, Oct. 18.
Violin. L. H. Lower. 2,485,158, Oct. 18.
Viscosimeter. P. B. Weiss. 2,485,424, Oct. 18.
Voltage fuse, Electric low and high. F. H. Turnham and E. W. Garrison, Jr. 2,485,221, Oct. 18.
Vortex reducer for aircraft, Wing tip. E. L. Shaw. 2,485,218, Oct. 18.
Waistband in garments, Adjustable. A. Livingston. 2,485,157, Oct. 18.
Wallet with edge stitched inner pockets. E. K. Rens. 2,484,857, Oct. 18.
Warp-stop motion. S. W. La Rocque. 2,485,533, Oct. 18.
Weft detecting mechanism for drop box looms, Electric. C. P. Bergstrom and V. F. Sepavich. 2,485,134, Oct. 18.
Welding apparatus. E. R. Workman. 2,485,229, Oct. 18.
Welding apparatus, Electric. C. W. Redekopp. 2,484,959, Oct. 18.
Welding can lock seams with high-frequency current. A. Vang. 2,484,973, Oct. 18.
Welding machine, Side seam container electric. W. P. Winters. 2,484,868, Oct. 18.
Well head equipment. J. Lemley, E. F. Hill and R. A. Mueller. 2,485,497, Oct. 18.
Welt-cutting machine. I. Kirsch and R. Korenman. 2,485,449, Oct. 18.
Wheel: *See*—
Roller skate wheel.
Wheel for roller skates and the like. E. S. Marsh. 2,485,304, Oct. 18.
Window screen. A. E. Davis. 2,484,984, Oct. 18.
Windrowing attachment for mowers. W. J. Coultas. 2,484,981, Oct. 18.
Wing machine, Rotating. R. Tarshis. 2,485,333, Oct. 18.
Wire-end bending attachment for drawing blocks. C. F. Glennon. 2,485,046, Oct. 18.
Wire rope, Lubricated. P. P. Somerville. 2,485,019, Oct. 18.
Wire rope machine. A. Arnason. 2,485,348, Oct. 18.
Wool and the like, Treatment of. P. Alexander and J. W. Bell. 2,485,250, Oct. 18.
Workpiece ejector mechanism, Electric furnace. H. A. Strickland, Jr. 2,484,865, Oct. 18.
Wrench: *See*—
Multiple socket wrench.
X-ray control switch. B. A. Warmey. 2,485,340, Oct. 18.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 18, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1949

October 25, 1949 Volume 627 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

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Designs	94	No. 155,670	to No. 155,763,	inclusive
Total	1,395			

Patents expiring: Patent Numbers 1,883,860 to 1,885,100, inclusive, and Plant Patents, Numbers 37 to 39, inclusive, issued October 25, 1932, expire October 25, 1949

Condition of Applications Under Examination at Close of Business Oct. 7, 1949

Total number of patent applications awaiting action, 143,975. Date of oldest new application, November 28, 1947; date of oldest amended application, July 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	11-17-48	1-10-48	2289
2. HEERMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	7-16-48	9-4-47	2547
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	4-1-49	3-26-49	530
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Mining, Quarrying, and Ice Harvesting.	4-30-48	9-13-47	2226
5. ROBINSON, C. W., Harvesters; Harrows and Diggers (part); Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	1-11-49	3-2-48	1231
6. SURLE, H., Carbon Chemistry (part)	1-21-49	10-7-48	1667
7. GONSALVES, J. E., (Acting), Optics; Photographic Apparatus	2-2-49	10-5-48	1249
8. LEWIS, R. O., Racks, Cabinets; Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	2-14-48	10-24-47	2064
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	6-25-48	1-7-48	2185
10. ANDRUS, L. M., Radiant Energy (part e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	1-11-49	11-22-48	1332
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-6-48	3-10-48	2082
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	10-22-48	2-20-48	1763
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	1-12-48	1-12-48	1844
14. MANIAN, J. C. (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Process), Wire Fabrics; Farriery.	12-16-48	9-15-48	1234
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-7-49	7-13-48	1766
16. LOVEWELL, N. N., Television; Telephony	1-14-49	8-27-48	1327
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Webb Feeding.	4-24-48	8-2-47	2361
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	9-21-48	2-12-48	2453
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-10-48	5-11-48	1569
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Canopies, Umbrellas and Canes.	9-24-48	2-19-48	2052
21. MADER, R. C., Textiles	7-30-48	7-21-48	1376
22. MARLAND, M. L., (Acting), Aeronautics; Boats; Buoys; Ships; Marine Propulsion	2-27-48	11-17-47	1520
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	1-17-49	6-30-48	1013
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	11-1-48	11-3-48	2360
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	1-10-49	4-26-48	1671
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles, Elevators	1-11-49	11-3-48	1069
27. JAMES S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	5-19-48	10-15-47	3194
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	1-6-49	4-20-48	1894
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-26-48	1-26-48	2209
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Furnaces and Systems; Heat Exchange (part); Refrigeration; Illuminating Burners.	1-11-49	1-11-49	1732
31. HUTCHISON, E. W., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-15-49	1-11-49	2118
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	1-13-49	8-3-48	1665
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering Building Structures; Roads and Pavements	4-9-48	2-9-48	4008
34. SAPERSTEIN, S., Railways; Draft Appliances, Switches and Signals, Surface Track and Rolling Stock; Track Sanders; Signals and Indicators	9-4-48	5-29-48	1163
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	7-14-48	7-2-47	3812
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-5-48	10-21-47	1985
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	12-27-48	6-26-48	1215
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	12-3-48	8-25-48	1643
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	11-8-48	9-22-47	3044
40. DRUMMOND, E. J., Receptacles (part); Packages	11-24-48	3-30-48	2349
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-4-48	9-15-47	2223
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure; Card, Picture and Sign Exhibiting.	2-9-49	2-23-49	926
43. STONE, I. G., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins and Leathers.	12-21-48	11-3-48	1154
44. HARVEY, L. P., Beds; Chairs, Seats	2-19-48	10-28-47	2228
45. MANIAN, J. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	1-3-49	2-24-48	2515
46. O'LEARY, R. A. (Acting), Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	6-15-48	1-30-48	1604

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 143,975. Date of oldest new application, November 28, 1947; date of oldest amended application, July 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	1-11-49	5-27-48	2059
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	1-8-49	5-28-48	1347
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	4-10-48	3-18-48	2190
50. LEVIN, SAMUEL, Synthetic Resins	2-15-49	12-15-48	1750
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	1-10-49	10-7-48	1520
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	9-3-48	12-30-47	3631
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-30-48	5-10-48	1817
54. NILSON, R. G., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	1-7-49	5-25-48	1309
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	1-7-49	9-11-48	1576
56. COCKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification	1-13-49	10-8-48	1979
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	8-13-48	9-10-47	2105
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-26-48	2-4-48	1796
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	12-31-48	9-27-48	1256
60. LEVY, M. L., (Acting), Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	1-28-49	9-13-48	847
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-28-47	7-7-47	2585
62. SHAPIRO, A., (Acting), Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	10-18-48	1-2-48	2698
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	12-10-48	8-16-48	2174
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-18-49	3-9-49	1679
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-10-48	5-12-48	2253
66. LISANN, I., Geometrical Instruments	9-10-48	7-22-47	1812
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	1-11-49	6-25-48	1826
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	2-26-49	12-4-48	1389
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	1-10-49	9-12-47	2191
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Compositions; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-24-48	7-16-48	1780
DESIGNS: BREHM, G. L.	2-21-48	3-14-49	6352

Total number of trade-mark applications awaiting action (including renewals and republications), 28,338. Date of oldest new application, July 22, 1948; date of oldest amended application, Aug. 9, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	9-10-48	1-3-49	4737
2. KASCHUB, H. E., Class 46	10-11-48	8-9-48	4023
3. SUMMERS, G. S., Classes 21, 23, 26	7-22-48	2-26-49	3469
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	8-4-48	10-7-48	4425
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	8-1-48	10-25-48	3631
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	12-2-48	1-14-49	3746
7. KEYS, O. M., Classes 2, 16, 19, 36, 55	10-20-48	8-27-48	2936
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	7-14-49 / 7-20-49	8-15-49 / 8-15-49	673 / 668

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE JOHNSON, JR.

No. 5895. Decided June 28, 1949

[— F.2d —; 82 USPQ 199]

1. PATENTABILITY—DESIGNS—INVENTION.
Courts in considering design patents almost universally apply the rule that it is not enough if a particular design be new, original and ornamental, but there must be present the exercise of the inventive faculty as well.

2. SAME—SAME—CHANGE IN FORM.
While patentable designs may result from regrouping familiar forms and decorations, the substitution of a slightly different form already in use in articles of the class to which the design is applied, does not merit a monopoly.

3. SAME—SAME—NOVELTY.
The degree of difference required to establish novelty occurs when the average observer takes the new design for a different, and not a modified already-existing design.

4. SAME—SAME—CURVED SURFACES.
Where it is conceded that appellant's design, looked at alone, is ornamental and highly pleasing to the eye, but where appellant has merely impressed upon the fundamental configuration of the prior art the modification of curved surfaces and rounded corners and edges already in use in articles of the same class to which appellant's design is applied, or obvious expedients to a designer skilled in the art, *Held* that invention was not required in the production of the appealed design.

5. SAME—PARTICULAR SUBJECT MATTER—DESIGN FOR PAIR OF PLIERS.
Held that the decision of the Board of Appeals rejecting appellant's application for a design patent for an ornamental design for a pair of pliers as lacking invention over the cited references, is affirmed.

APPEAL from the Patent Office. Serial No. D-118,834.

AFFIRMED.

Woodling & Krost (*George V. Woodling* and *Bruce B. Krost* of counsel) for Eugene L. Johnson, Jr.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

Appellant's application for a design patent for an ornamental design for a pair of pliers (the type known as gas burner and pipe pliers) was rejected by the Examiner as lacking invention over the references. The Board of Appeals of the U. S. Patent Office affirmed that rejection relying on the following references: Mihan, 272,573, February 20, 1883; Smith, 1,290,846, January 7, 1919; Seger, 2,070,217, February 9, 1937; "Utica No. 1300" Gas and Burner Pliers, page 218, Hammacher Schlemmer Hardware Co., Catalog No. 500.

Appellant's pliers present the fundamental configuration of a long slim nose formed by the jaws, and long graceful curving handles, the ends of the handles turning out somewhat from the arc of the gripping portion. A predominating appearance of smoothness, sleekness, and streamline grace is secured by the virtual elimination of plane surfaces through the use of rounded edges and curved surfaces in their stead.

The Mihan reference is a mechanical patent covering gas burner and pipe pliers. The drawing of the patent illustrates pliers virtually of the same configuration as appellant's design. Mihan discloses a long nose formed by the pliers jaws, and long gracefully curving handles or grippers. The nose of the Mihan pliers has a rounded configuration, the side edges of the nose, however, being beveled at a 45° inclination.

"Utica No. 1300" pliers has an identical fundamental structure to appellant's design, the only difference between them being that "Utica No. 1300" has plane surfaces and angular corners whereas appellant's design incorporates curved surfaces and rounded corners and edges.

The Smith reference is a mechanical patent for a staple-extracting tool, and discloses handles shaped in somewhat the same manner as the handles of appellant's design.

Seger, cited by the Examiner but not by the Board, though mentioned in the Board's decision, is a mechanical patent for a fence repair tool. The drawing illustrates the application of curved rather than plane exterior surfaces to the gripping part (the nose) of the tool.

The Board held in effect that the use by appellant of curved surfaces for the edges of the long pliers nose in lieu of angular and plane surfaces as used by Mihan, and the difference in the shape of the handle ends represented departures in design within the scope of knowledge of a routine designer. The Board held that the general appearance of the Mihan pliers so closely resembled that of the appellant as to preclude the use of the inventive faculty in forming the latter. The Board also considered that Seger taught curving the gripping portion of the pliers, and that Smith disclosed handles

Vol. 627 • No. 4 Tuesday, October 25, 1949 Price $17.50 per year

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of the type embodied in the design at bar. The Examiner had held that no patentable ornamental distinction was present in appellant's design over the Mihan and Utica tools.

Appellant contends that Mihan's tool emphasizes flat planes and angles in that "The sides of the jaws, the pivot portion and the handles appear to be disposed in flat parallel planes." While the ends of the Mihan pliers are rounded, the sides comprise plane surfaces, as does the pivot portion; however, the handles appear to have the normal rounded configuration.

Appellant admits that Seger is typical of tools incorporating rounded corners in their design, but denies any similarity in general appearance to his design.

The appellant bases his argument on the alleged new and appealing impression and visual result produced by his design, insisting that comparison with the prior art demonstrates that "marked and decided ingenuity in designing" was involved in producing his design.

[1] Courts in considering design patents almost universally apply the rule that it is not enough if a particular design be new, original, and ornamental, but there must be present the exercise of the inventive faculty as well. The courts seem to be of one accord in stating that the fourth element of the formula which tests the patentability of a design, viz., the exercise of the inventive faculty, defies definition and resides as a subjective standard in the mind of the judge considered as an "average observer." *Gorham Co.* v. *White*, 14 Wall. 511, 81 U. S. 511, 20 L. Ed. 731; *Smith* v. *Whitman Saddle Co.*, 148 U. S. 674, 13 S. Ct. 768, 37 L. Ed. 606, 68 O. G. 912; *A. O. Gilbert Co.* v. *Shemitz*, (C. C. A., 2d) 45 F.2d 98; *In re Maine*, 22 CCPA (Patents) 1299, 77 F.2d 583, 25 USPQ 407, 461 O. G. 254; *In re Griffith*, 24 CCPA (Patents) 713, 86 F.2d 405, 31 USPQ 336, 474 O. G. 699; *In re Faustmann*, 33 CCPA (Patents) 1065, 155 F.2d 388, 69 USPQ 541, 589 O. G. 493.

[2], [3] While patentable designs may result from regrouping familiar forms and decorations, the substitution of a slightly different form already in use in articles of the class to which the design is applied, does not merit a monopoly. *Imperial Glass Co.* v. *A. H. Heisey & Co.*, (C. C. A., 6th) 294 F. 267. The degree of difference required to establish novelty occurs when the average observer takes the new design for a different, and not a modified already-existing, design. Shoemaker, Patents for Designs, 76.

[4] We readily concede that appellant's design, looked at alone, is ornamental and highly pleasing to the eye. When it is compared with the prior art references, however, it is evident that the production of the design did not require the exercise of the inventive faculty. Appellant has merely impressed upon the fundamental configuration of "Utica No. 1300" or Mihan the modification of curved surfaces and rounded corners and edges already in use in articles of the same class to which appellant's design is applied, or obvious expedients to a designer skilled in the art. We agree with the Board that invention was not required in the production of the appealed design. Under the precedents of the cases cited herein we conclude that the Board's decision should be, and is affirmed.

AFFIRMED.

By reason of illness, HATFIELD, J., was not present at the argument of this case and did not participate in the decision.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,822,154, M. Smolensky, Check valve, filed Sept. 7, 1949, D. C., W. D. Pa., Doc. 8076, *The Smolensky Valve Co.* v. *Stets Mfg. Co.*

1,850,635, W. Reed, Method of forming designs in the sky, D. C., S. D. Calif. (Los Angeles), Doc. 7780–W, *The Skywriting Corp. of America et al.* v. *John Heiser.* Dismissed pursuant to stipulation July 11, 1949.

1,889,499, Rorrer & Mitterer, Apparatus and method for refrigeration; 1,987,796, 2,011,731, same, Refrigerated show case; Re. 21,264, same, Show case, D. C., S. D. Calif. (Los Angeles), Doc. 9695–Y, *Stadium Stores, Inc.* v. *Perfecold, Inc., et al.* Dismissed with prejudice July 25, 1949.

1,987,796. (See 1,889,499.) 2,011,731. (See 1,889,499.)

2,143,173, E. H. Shaff, Rotary driving tool; 2,220,711, C. I. Fitch, Impact tool, filed Sept. 10, 1949, D. C. Md., Doc. 4698, *Ingersoll-Rand Co. et al.* v. *Black & Decker Mfg. Co.*

2,220,711. (See 2,143,173.)

2,224,433, H. Holden, Air current deflector, D. C. Mo. (Kansas City), Doc. 5296, *Blake Mfg. Co. et. al.* v. *Martin Products Co. et al.* Injunction Sept. 13, 1949.

2,235,385, A. Rava, Welding method and apparatus, filed Sept. 8, 1949, D. C., S. D. N. Y., Doc. 52/92, *A. Rava* v. *Westinghouse Electric Corp.*

2,239,379, G. Bucky, Self-focusing and illuminating device for photographic camera; 2,292,044, same, Illumination for cameras; 2,422,077, same, Camera shutter system, filed Aug. 30, 1949, D. C., S. D. N. Y., Doc. 52/8, *G. Bucky et al.* v. *Coreco Research Corp.*

2,256,602. (See Re. 23,022.)

2,292,044. (See 2,239,379.)

2,344,338, 2,391,533, A. E. Woodruff, Substation circuit; 2,417,067, R. A. Faralla, Telephone substation circuit, D. C. N. J. (Trenton), Doc. 173/49, *Automatic Electric Co. et al.* v. *R. A. Faralla.* Consent judgment July 11, 1949. To correct error in 625 O. G., p. 566. Formerly published as 2,241,338 and 2,391,553.

2,350,600, C. E. Foster, Safety fluorescent lamp clip, filed Aug. 4, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10105–WM, *C. E. Foster* v. *California Electric Construction Co. et al.*

2,371,489, 2,381,415, E. B. Williams, Jr., Drill bit, filed Sept. 12, 1949, D. C. Del., Doc. 1255, *Wheel Trueing Tool Co. et al.* v. *Core Laboratories, Inc.*

2,381,415. (See 2,371,489.) 2,391,533. (See 2,344,338.)

2,417,067. (See 2,344,338.)

2,417,383, J. L. Switzer, Coated fluorescent fabric; 2,417,384, same, Daylight fluorescent signaling and display device; 2,475,529, Switzer & Switzer, Fluorescent device and method of making same, filed Sept. 8, 1949, D. C., N. D. Tex. (Dallas), Doc. 3744, *Switzer Bros., Inc.* v. *Centennial Liquor Stores, Inc., et al.*

2,417,384. (See 2,417,383.) 2,422,077. (See 2,239,379.)

2,425,132, S. A. Stokes, Bit, filed Aug. 17, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10174–PH, *Concrete Termite Rotary Drill Co.* v. *Rotary Concrete Drill Co.*

2,425,779. (See Re. 23,142.)

2,428,544, G. C. Breidert, Ventilator, filed Aug. 22, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10180–B, *G. C. Breidert Co.* v. *Western Engineering & Mfg. Co.*

2,441,790, Bolte & Keller, Dimpling apparatus, filed Aug. 23, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 10182–PH, *Zephyr Mfg. Co. et al.* v. *Martin Aircraft Tool Co.*

2,447,294, R. W. Vickery, Self-regulating steam generator, filed Sept. 2, 1949, D. C., E. D. Tenn. (Chattanooga), Doc. 1447, *Electric Steam Corp.* v. *H. D. Sexton Co. et al.*

2,454,621. (See Re. 23,142.)

2,465,331, J. Y. Resnick, Television receiving antenna, filed Aug. 31, 1949, D. C., S. D. N. Y., Doc. 52/9, *Channel Master Corp.* v. *Veri-Best Television Products, Inc.* Doc. 52/10, *Channel Master Corp.* v. *Hy-Lite Antennae, Inc.*

2,475,529. (See 2,417,383.)

Re. 21,264. (See 1,889,499.)

Re. 23,022 (of 2,256,602), E. H. Edwards, Gynecolgic instrument, D. C., N. D. Ill., E. Div., Doc. 49c29, *Hycheo Products* v. *E. H. Edwards.* Cause dismissed Sept. 2, 1949.

Re. 23,142, C-O-Two Fire Equipment Co., Discharge head; 2,425,779, F. B. Allen, same; 2,454,621, same, Squeese grip for portable fire extinguisher, filed Aug. 29, 1949, D. C., E. D. Mich. (Detroit), Doc. 8422, *C-O-Two Fire Equipment Co.* v. *The General Detroit Corp.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 101,858, Lorraine Mfg. Co., Certain named materials and cotton piece goods; T. M. 218,398, same, Cotton goods, etc.; T. M. 330,739, same, Suits, coats, hats, etc.; T. M. 500,194, T. M. 500,601, same, Piece goods, filed Oct. 18, 1948, D. C., N. D. Ga. (Atlanta), Doc. 3524, *Lorraine Mfg. Co.* v. *Lorraine Knitwear Co., Inc.*

T. M. 218,398. (See T. M. 101,858.)

T. M. 330,739. (See T. M. 101,858.)

T. M. 331,059, Carrier Engineering Corp., Air conditioning, heating, etc., filed Aug. 24, 1949, D. C. Fla. (Miami), Doc. 3139–M, *Carrier Corp.* v. *Weathermaster, Inc., et al.*

T. M. 500,194. (See T. M. 101,858.)

T. M. 500,601. (See T. M. 101,858.)

NOTICES

Disclaimers

2,393,321.—*Joseph P. Haworth*, Westfield, N. J. CURED POLYMERS. Patent dated Jan. 22, 1946. Disclaimer filed Sept. 21, 1949, by the assignee, *Jasco, Incorporated.*

Hereby disclaims from the scope of protection in said patent, all polymers having an iodine number below 0.5 from both specification and claims, and hereby disclaims claims 1, 2, 3, 6, 7, 8, 15, 16, 17, and 18 of said patent; these numbered claims not being limited to a copolymer, and, therefore, not necessarily limited to copolymers having an iodine number greater than 0.5.

2,422,205.—*Lorned A. Meacham*, Summit, N. J. RANGE INDICATOR. Patent dated June 17, 1947. Disclaimer filed Sept. 16, 1949, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claim 8 in said Letters Patent.

2,423,829.—*Enoch B. Ferrell*, Chatham, N. J. INDICATING SYSTEM. Patent dated July 15, 1947. Disclaimer filed Sept. 20, 1949, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claim 1 of said patent.

2,424,886.—*Clarence W. Hansell*, Port Jefferson, N. Y. MAGNETRON. Patent dated July 29, 1947. Disclaimer filed Sept. 12, 1949, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1 to 6 inclusive, 9, 11, and 12 of said patent.

2,425,788.—*Hilbert E. Edwards*, *Mansfield, Ohio.* LAUNDRY APPARATUS. Patent dated Aug. 19, 1947. Disclaimer filed Aug. 31, 1949, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claim 4 of said patent.

2,430,539.—*Kwan-Han Sun*, Rochester, N. Y. TITANIUM FLUOPHOSPHATE GLASS. Patent dated Nov. 11, 1947. Disclaimer filed Sept. 17, 1949, by the assignee, *Eastman Kodak Company.*

Hereby enters this disclaimer to claims 4, 5, and 6 of said patent.

2,437,281.—*Gerald Leon Tawney*, Hempstead, N. Y. HIGH FREQUENCY RADIANT ENERGY APPARATUS. Patent dated Mar. 9, 1948. Disclaimer filed Sept. 14, 1949, by the assignee, *The Sperry Corporation.*

Hereby enters this disclaimer to claim 1 of said patent.

2,447,893.—*John J. Baumen*, Abington, Pa. ALARM SYSTEM FOR ELECTRIC REFRIGERATORS. Patent dated Aug. 24, 1948. Disclaimer filed Sept. 21, 1949, by the assignee, *Philco Corporation.*

Hereby enters this disclaimer to claims 6 and 15 of said Letters Patent.

2,447,894.—*John J. Baumen*, Abington, Pa. ELECTRIC REFRIGERATOR ALARM SYSTEM. Patent dated Aug. 24, 1948. Disclaimer filed Sept. 21, 1949, by the assignee, *Philco Corporation.*

Hereby enters this disclaimer to claim 5 of said Letters Patent.

Interference Notices

Dodger Beverage Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Haas Brothers, Third and Channel Streets, San Francisco, Calif., for registration of a trade-mark and Registration No. 440,235, issued August 17, 1948, to Dodger Beverage Company, 299 Division Avenue, Brooklyn 11, N. Y., and the notice of such declaration sent by registered mail to the said Dodger Beverage Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless Dodger Beverage Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

September 21, 1949.

Doraldina, Inc. (Doraldina Cosmetics, Inc., Joined), their assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of William S. Hieber, 145 Peachtree St., Atlanta, Ga., for registration of a trade-mark and Registration No. 284,653, issued July 7, 1931, to Doraldina, Inc., 467 N. Robertson Blvd., Hollywood, Calif. Doraldina Cosmetics, Inc., 9 University Place, New York, N. Y., has been joined with the registrant, Doraldina, Inc., as a party to this proceeding. The notices of such declaration sent to these joint parties having been returned by the post office undeliverable, notice is hereby given that unless Doraldina, Inc. and Doraldina Cosmetics, Inc., their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Sept. 29, 1949. *Assistant Commissioner of Patents.*

Classification Order No. 56

September 14, 1949

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 1, Nailing and Stapling* (Division 11)

Machines
Box
Staple forming and setting
12 Sheet metal

In *Class 12, Boot and Shoe Making* (Division 11)

Sole machines
23 Blank rounding
24 Strip feed
25 Clamped work
26 Rotary work and cutter

Burnishing machines
71 Heel
72 Oscillating jack
73 Automatic transverse feed
74 Oscillating tool head
75 Automatic transverse feed
76 Shank and tread

In *Class 272, Amusements and Exercising Devices* (Division 52)

Exercising
86 Catnip balls

ABOLISH SUBCLASS TITLE

In *Class 35, Education* (Division 23), cancel the unnumbered subclass title "Elements."

CHANGE SUBCLASS TITLES

In *Class 12, Boot and Shoe Making* (Division 11), change the title of subclass 78 to read:

Burnishing machines
78 Reciprocating tool

In *Class 81, Tools* (Division 29), change the title of subclasses 113 and 114 to read:

Wrenches
Pivoted side jaw
Bevel closing
113 Cammed into socket by axial nut or screw
114 Sleeve socket nut

In *Class 119, Animal Husbandry* (Division 5), change the title of subclass 29 to read:

29 Breaking, training and exercising devices

ESTABLISH SUBCLASSES

In *Class 1, Nailing and Stapling* (Division 11)
(E. V. BENHAM, *Classifier*)

42.8 Corner conforming staple applying (to follow 42.7)
42.9 With integral V-notch driver

In *Class 12, Boot and Shoe Making* (Division 11)
(E. V. BENHAM, *Classifier*)

Burnishing machines
Reciprocating tool
78.5 Heel traverse (to follow subclass 78)
79.3 Fixed tool (to follow subclass 79)
Sole and heel edge trimmers
Clamped work
86.5 Sole edge only
86.6 Traveling cutter
86.7 Rotary cutter

In *Class 119, Animal Husbandry* (Division 5)
(E. L. BELL, *Classifier*)

Breaking, training and exercising devices
29.5 Flavored Devices; e. g., catnip balls.

In *Class 204, Chemistry, Electrical and Wave Energy* (Division 56)
(J. S. BAILEY and H. G. MOORE, *Classifiers*)

Processes and products
Electrolysis
Material Treatment
Metals and Metallic Alloys
140.5 Polishing

In *Class 252, Compositions* (Division 64)
(J. S. BAILEY, *Classifier*)

478 X-ray shield (to follow subclass 477)

In *Class 260, Chemistry, Carbon Compounds* (Division 63)
(H. PFEFFER and I. MARCUS, *Classifiers*)

Azo
Monoazo
Phenylazophenyl
207.1 Non-oxo-carbonylic
207.3 Sulfato-alkyl-amino
207.5 Oxy-alkyl-amino
Carbohydrates and derivatives
Glycosides (e. g., glucosides)
210.5 Cyclopentanohydrophenanthrene nucleus containing
Amines
211.3 Alloxazine or isoalloxazine nucleus containing
211.5 N-glycosides
233.3 Starch and derivatives
233.5 Esters

In *Class 272, Amusement and Exercising Devices* (Division 52)
(E. L. BELL, *Classifier*)

Amusement
Illusions
8.5 By transparent reflector
Hobby horses
52.5 Combined or convertible
53.1 With actuating means (to follow subclass 53)
53.2 With movable elements

MISCELLANEOUS CHANGES

On page 1–1, the number following subclass 41 should be *40*.

On page 12–1, in subclass 1, cancel the word "levelling."

in subclass 1.5, the title should read:

Lasting combined with laying and/or levelling.

On page 35–1, subclasses 60 to 77 should be moved one step to the left.

On page 74–7, second column, cancel the unnumbered title "Elements", after subclass 605.

On page 146–4, move the title of subclass 214 one step to the left to be coordinate with subclass 203 instead of indented thereunder.

On page 160–1, subclass 101, second line, change the spelling of "slidable" to *sliddle*.

On page 160–2, subclass 112 should be moved one step of indentation to the right to be coordinate with subclass 109.

On page 172–1, dated July 1949, cancel subclass 321, "Photocell Control".

On page 174–2, subclass 133 should be moved one step of indentation to the right to be coordinate with subclass 128, "Plural Strand".

On page 260–2, at the top of first column, the lead lines should read:

Synthetic resins
From phenols or phenoxides
51 Aldehydes

On page 260–2A, first column, in the fourth line from the top, cancel "36" and substitute *to*.

On page 308–1, at the top of second column, cancel the first lead line "Guide or Slide", and substitute *Rotary*.

On page 332–1, first column, in subclass 10, the title should read:

With modulated carrier.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
1	12	1	42.8+
12	23	12	85
12	24	12	86.5+
12	25	12	86.5+
12	26	12	86.6, 86.7
12	71	12	77, 78, 78.5, 79.3
12	72	12	77, 78, 79, 79.3
12	73	12	77, 78
12	74	12	77, 78, 78.5
12	75	12	77, 78.5
12	76	12	77, 78, 79, 79.3
272	86	119	29.5

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
1	42.8	1	11, 12, 13
1	42.9	1	11, 12, 13
12	78.5	12	71, 74, 75
12	79.3	12	71, 72, 76
12	86.5	12	24, 25
12	86.6	12	24, 25, 26
12	86.7	12	24, 26, 87
119	29.5	272	86
204	140.5	204	140
252	478	250	108
260	207.1	260	205
260	207.3	260	205
260	207.5	260	205
260	210.5	260	210
260	211.3	260	211
260	211.5	260	210, 211
260	233.3	260	209
260	233.5	260	234, 235
272	8.5	272	8, 10, 13
272	52.5	272	52
272	53.1	272	52
272	53.2	272	52

IN THE DEFINITIONS:

1, Nailing and Stapling

abolish the definition of subclass 12

establish the following subclass definitions:

42.8. Devices under the class definition for inserting staples in surfaces which form a corner by being at an angle to each other with the bridge of the staple straddling and conforming to the corner.

(1) Note.—The staples applied serve usually as stays to reinforce the corner of a box.

(2) Note.—The bridge of the staple may be of the shape of the corner, prior to driving or may be reshaped to conformity with the corner during driving.

42.9 Devices under subclass 42.8 having a driver which is an integral member with a notch of V shape for inserting the staple.

in subclass 43.1, insert before the period:

so that the bridge forming portion of the staple extends along the line of cut

12, Boot and Shoe Making

in subclass 17, under "Search this class, subclass", add:

85+—for machines for cutting out or rough cutting sole blanks except die cutting machines which are found in class 164, CUTTING AND PUNCHING SHEETS AND BARS.

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclasses 18+, for machines or processes for stamping out soles by cutting dies.

in subclass 19, add:

Search this class, subclass—
23—for channeling machines in which the work is clamped to a work support to present it to the channeling cutters.
86+—for sole and heel edge trimming machines in which the work is clamped to a work support to present it to the cutter.

abolish the definitions of subclasses 23, 24, 25, and 26.

in subclass 27, after the subclass definition, insert:

Search this class, subclass—
13+—for machines which channel and trim soles in the same operation.

in subclass 28, add:

Search this class, subclass—
13—for combined channeling and trimming machines in which the work is clamped to present it to the cutters.
86+—for machines for trimming the edges of soles and heels in which the work is clamped to a work support to present it to a cutter.

in subclass 70, cancel the paragraphs marked (1) and (2) and insert:

(3) Note.—Class 29, METAL WORKING, subclasses 90+, is the generic place for machines or processes for burnishing the surface of metallic or non-metallic articles. See the notes thereto for burnishing elsewhere classified.

Search this class, subclass—
85+—for sole and heel trimmers of analogous structure.
104+—for machine and hand tools for burnishing boots and shoes.

Search Class—
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 36+, for machines for boot cleaning and polishing by brushing.
29—METAL WORKING, subclass 90+, see (3) Note above.
51—ABRADING, for machines for abrading boots and shoes.

abolish the definitions of subclasses 71 through 76.

in subclass 77, after "Burnishing machines" insert *under subclass 79*.

cancel "Search this class, subclass 72", and insert:

Search this class, subclass—
88—for rotary cutter sole and heel edge trimmers.
106—for rotary machine or hand tools for burnishing.

Search Class—
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 34+, for rotary brush machines for boot cleaning, blacking and polishing.
51—ABRADING, subclass 31+, for abrading machines with a rotary reciprocating tool and subclass 71+, for abrading machines in which the tool has rotary motion only.

cancel the definition and search note of subclass 78, and substitute:

78. Burnishing machines under subclass 70 in which the tool moves back and forth along a fixed path.

(1) Note.—The path followed is usually a straight line or an arc of a circle.

Search Class—
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, for brushing machines employing a reciprocating brush, subclass 33, for boot cleaning, blacking and polishing and subclass 37, boot cleaners and polishers.
51—ABRADING, subclass 57+, for machines employing a reciprocating abrading tool.

establish the following subclass definition:

78.5. Burnishing machines under subclass 78 in which the reciprocating movement of the tool is around the curved surface of the heel in the direction from one heel breast corner to the other.

in subclass 79 after "Burnishing machines" insert *under subclass 78*, and for "vibrating tools" substitute *reciprocating tool*.

establish the following subclass definitions:

79.3. Burnishing machines under subclass 70 in which the work piece is moved relative to a fixed tool during the burnishing.

Search Class—
51—ABRADING, subclass 149+, for machines employing a stationary abrading tool.

in subclass 85, cancel "(1) Note" and substitute:

(1) Note.—This subclass (85+) includes machines for cutting out or rough cutting sole blanks except die cutting machines which are found in class 164, CUTTING AND PUNCHING SHEETS AND BARS, subclasses 15+. Machines combining cutting out soles with other sole making operations are in this class (12), subclass 17+.

under "Search this class, subclass", change the reference to subclass 18 to *18*+ and insert in numerical order:

17+—see (1) Note above.
86—for machines which apply a reinforcing sheet to insole blanks and trim off the surplus.
87—for machines which cut channels and bevel soles.

under "Search Class" add:

164—CUTTING AND PUNCHING SHEETS AND BARS, subclasses 15+, see (1) Note above.

in subclass 86, cancel "Search this class, subclasses 19 and 45" and substitute:

Search this class, subclass—
19—for combined sole channeling and trimming machines in which the work is clamped to present the work to the cutters.
33—for sole channeling machines in which the work is clamped to a work support to present it to channeling cutters.
45—for combined machines which nail heels to shoes and then trim them.

establish the following subclass definitions:

86.5. Machines under subclass 86 designed to trim only the edge of a shoe sole.

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 38, for machines having means to feed work to a fixed cutter and subclass 42, for machines having mechanism to feed the work to a cutter which is pivoted or attached to a pivoted part.

86.6. Machines under subclass 86.5 which have means for moving a cutting means around an edge portion of a shoe sole.

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 63, for machines employing a rotary cutter for cutting out disks or elliptical shapes in which the cutter travels around the edge of stationary work and subclasses 73+, for cutting machines in which the cutter is moved about and guided in a definite path over the stationary work by means other than mere engagement with the material or the surface or edge of a work table or manipulation of the handle.

86.7. Machines under subclass 86.5 which are provided with rotary cutters.

Search this class, subclass—
86+—for machines employing a rotary cutter head for trimming the edges of soles and heels and see the notes thereto for other rotary cutter sole trimming machines.

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclass 61, for machines for cutting sheets and bars employing a rotary cutter and means to feed the work to the cutter, and subclass 63, for machines employing a rotary cutter for cutting disks or elliptical shapes from plates.

under subclass 87, insert:

Search this class, subclass—
88+—for machines employing a rotary cutter head for trimming the edges of soles and heels and see the notes thereto for other rotary cutter sole trimming machines.

under subclass 88 cancel "Search this class, subclass 87", and insert:

Search this class, subclass—
86.7—for machines for trimming only the edge of a shoe sole while it is clamped to a work holder to present it to a rotary cutter.
87—for machines for trimming the edges of soles and heels in which the work is clamped to a support to present it to the action of a rotary cutter.

Search Class—
30—CUTLERY, subclass 247, for cutting blades for use with hand manipulated implements which blades are so constructed as to be rotated during the cutting operation and see the notes thereto for rotary blade implements and machines in class 30, CUTLERY, and elsewhere.

in subclass 104, cancel "Search this class, subclass 79", and insert:

Search this class, subclass—
79+—for burnishing machines, particularly subclass 79 for those that are hand guided.

in subclass 125, under "Search this class, subclass", cancel the reference to subclass 72, and add:

86—for machines for trimming the edges of soles and heels in which the work is clamped to a work support to present it to a cutter and see the notes thereto for other shoe making machines in which the work is clamped to present it to a cutter.

15, Brushing, Scrubbing and General Cleaning

in subclass 32, add:

Search Class—
51—ABRADING, subclass 31+, for machines in which an abrading tool has a rotary and reciprocating motion.

in subclass 33, add:

Search Class—
12—BOOT AND SHOE MAKING, subclass 78+, reciprocating tool boot and shoe burnishing machines.
51—ABRADING, subclass 57+, for reciprocating tool abrading machines.

in subclass 34, add:

Search Class—
12—BOOT AND SHOE MAKING, subclass 77, for rotary tool boot and shoe burnishing machines.
51—ABRADING, subclass 71+, for rotary tool abrading machines.

in subclass 36, add:

Search Class—
12—BOOT AND SHOE MAKING, subclass 70+, for machines which polish and condense the surface of boots and shoes through the rubbing action of a rigid metallic tool.

22, Chemistry

in subclass 79, in the formula, change "MCM" to *MCN*.

29, Metal Working

in subclass 90, cancel "(2) Note" and substitute:

(2) Note.—See class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclass 36, for burnishing steps combined with electrolytic coating, and subclass 140.5 for electrolytic polishing.

and add, in numerical order:

(4) Note.—See class 12, BOOT AND SHOE MAKING, subclass 70+, for boot and shoe burnishing machines and subclass 104+, for boot and shoe burnishing machine and hand tools.

30, Cutlery

in the class definition in note 26, cancel "23".

in subclass 347, in "(2) Note", in the reference to class 12, insert *86.7* in numerical order.

38, Textiles, Ironing or Smoothing

in subclass 137, cancel the definition and substitute:

137. The structure of an ironing board having a single ironing surface. The "ironing board" may include the board per se with its cover.

47, Plant Husbandry

in subclass 2, cancel "(2) Note", and substitute:

Search Class—
126—STOVES AND FURNACES, subclass 59.5, for smudge pots.
244—AERONAUTICS, subclass 136, for means for discharging and diffusing material from aircraft.
252—COMPOSITIONS, subclass 70, for frost preventing compositions; subclass 305, for smokes, fogs or gaseous primary dispersants; and subclass 350, for smoke producing apparatus.

in subclass 48.5, in the subclass definition, after "material" insert *utilized by the plants*, and cancel "of plants" after "growth", and substitute *thereof*.

51, Abrading

in subclass 31, add:

Search Class—
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 32, for boot brushing machines in which the tool has a rotary and a reciprocating motion.

in subclass 57, insert in order under "Search Class":

12—BOOT AND SHOE MAKING, subclass 78+, for reciprocating tool machines for burnishing boots and shoes.
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 33 and 37, for reciprocating brush machines for cleaning and polishing boots.

in subclass 71, insert in order under "Search Class":

12—BOOT AND SHOE MAKING, subclass 77, for rotary tool machines for burnishing boots and shoes.
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 34, for rotary brush machines for cleaning, blacking and polishing boots.

in subclass 149, insert in order under "Search Class":

12—BOOT AND SHOE MAKING, subclass 79.3, for stationary tool machines for burnishing boots and shoes.

81, Tools

in subclass 113, before "socket" and before "cap", insert the words *sleeve type*.

and, under "Search Class", in the reference to class 279, cancel the subclass number 63, and substitute:

63+—for socket type chucks or sockets having obliquely guided reciprocating jaws, and particularly subclass 63 where the operating member is a threaded cone and the jaws have mating threads.

in subclass 114, cancel the definition and substitute:

114. Wrenches under subclass 113 in which the sleeve type socket is interiorly threaded to form the axially moving nut.

88, Optics

in subclass 106, under "Search Class" in the reference to class 250, before the period, add:

, and subclass 108 for devices opaque to X-rays, X-ray shields.

in subclass 114, under "Search Class", cancel the reference to class 252, and substitute:

252—COMPOSITIONS, subclass 478 for compositions specialized and designed for use as X-ray shields or shielding material.

92, Paper Manufacture

in subclass 42, under "(2) Search Class", in the reference to class 1, delete the reference to subclass 12.

106, Compositions, Coating or Plastic

in the class definition, in "(1) Note", cancel the reference to class 250, subclass 108.

in "(2) Note", in the reference to class 250, cancel "and subclass 108 for compositions for X ray shields".

116, Signals and Indicators

in the class definition, under II notes, cancel the indented paragraphs numbered (1) to (4), and substitute:

(1) When an electrical means for transmitting the signal, which is to be indicated, is claimed, whether in combination with mechanical signaling means or not. The inclusion of a magnetic means (which acts in the nature of an adhesive or fastening) to hold a non-electrical signal in position is not sufficient to exclude the device from class 116.
(2) When the indication is given by an electrical signal, such as an electric light, bell or meter, which indicator is claimed.
(3) Electrical signals, per se, such as electric bells, horns, etc.

119, Animal Husbandry

in subclass 29, add:

Search Class—
272—AMUSEMENT AND EXERCISING DEVICES, subclass 57+, for exercising devices for human beings, and particularly subclass 69 for tread mills.

establish the following subclass definition:

29.5. Subject matter under subclass 29 which includes catnip or other substance that appeals to the sense of smell or taste of the animal.

Search Class—
46—AMUSEMENT DEVICES, TOYS, appropriate subclasses, for figure toys, sounding toys, etc.

123, Internal-Combustion Engines

in subclass 142.5, under "Search this class, subclass", in the reference to subclass 170+, cancel:

except those in subclass 178.5 which include devices which use steam generated in the cooling system for thawing frozen fluid in the system.

128, Surgery

in subclass 152, add:

Search Class—
181—ACOUSTICS, subclass 23 for devices worn within the ear to aid defective hearing, and subclass 33+ for sound filters which attenuate sound.

155, Chairs and Seats

in subclass 17, "Note 2", cancel the reference to class 272.

in subclass 56, "Note 5", cancel the reference to class 272, and substitute:

272—AMUSEMENT AND EXERCISING DEVICES, subclasses 57+, for oscillating exercising devices.

in subclass 58, "Note 2", cancel the reference to class 272.

in subclass 69, "Note 2", cancel the reference to class 272, and substitute:

272—AMUSEMENT AND EXERCISING DEVICES, subclass 56, for seesaws with rocking surfaces.

in subclass 88, "Note 4", cancel the reference to class 272, and substitute:

272—AMUSEMENT AND EXERCISING DEVICES, subclass 58, for exercising chairs and sofas.

160, Closures, Partitions and Panels, Flexible and Portable

in subclass 89, cancel the definition and substitute:

89. Plural devices under subclass 87, in which at least two of the panels are of different types, or at least two of them are of the same type but have different characters of motion; e. g., one swingable and one slidable.

in subclass 91, cancel the definition and substitute:

91. Combinations under subclass 90 in which there are two or more rigid closures.

164, Cutting and Punching Sheets and Bars

in subclass 38, insert (*1*) before the sentence which begins "Search this class", and add:

(2) Search Class—
12—BOOT AND SHOE MAKING, subclass 86.5, for machines having means to feed clamped work to a non-rotary cutter so that only the edge of a shoe sole is trimmed.

in subclass 42, insert (*1*) before the sentence which begins "Search this class", and add:

(2) Search Class—
12—BOOT AND SHOE MAKING, subclass 86.5, for machines having means to feed clamped work to a non-rotary cutter so that only the edge of a shoe sole is trimmed.

in subclass 61, insert (*1*) before the sentence which begins "Search this class", and add:

(2) Search Class—
12—BOOT AND SHOE MAKING, subclass 86.7, for machines which include mechanism for trimming only the edge of a shoe sole and having mechanism for feeding clamped work to a rotary cutter to trim the edge of a shoe sole.

in subclass 63, add:

Search Class—
12—BOOT AND SHOE MAKING, subclass 86.6, for machines for cutting out shoe soles in which the work is clamped and the cutter travels around the edge of the shoe sole, and subclass 86.7, for machines for cutting out shoe soles in which the work is clamped and a rotary cutter employed.

in subclass 73, under "Search Class", insert:

12—BOOT AND SHOE MAKING, subclass 86.6, for machines which have means for moving a cutting means around an edge portion of clamped work to trim only the edge of a shoe sole.

in subclass 123.3, under "Search Class", cancel the reference to class 223, and substitute:

223—APPAREL APPARATUS, subclass 102+, for needles and especially subclass 104, for awl type, and see the notes to these subclasses for related needle like structures.

in subclass 124, under "Search Class", add:

223—APPAREL APPARATUS, subclass 102+, for needles and especially subclass 104, for awl type, and see the notes to these subclasses for related needle like structures.

167, Medicines, Poisons, and Cosmetics

in subclass 95, cancel the note, and substitute:

Search Class—
250—RADIANT ENERGY, subclass 106, for X-ray opaque devices.
252—COMPOSITIONS, subclass 478, for X-ray shielding compositions.

170, Motors, Fluid Current

in subclass 135, under "(1.5) Note", change "17.40" to *17.11*.

181, Acoustics

in subclass 23, add:

Search Class—
128—SURGERY, subclass 152, for devices which will prevent the entrance of injurious sounds into the ear.

188, Brakes

in subclass 112, insert:

Search this class, subclass—
146—for momentum operated brakes controlled (as distinguished from applied) by draft means.

in subclass 125, add:

Search this class, subclass—
140+—for momentum operated brakes controlled (as distinguished from applied) by draft means.

in subclass 142, add:

Search this class, subclass—
119—for brakes automatically applied (as distinguished from controlled) by draft means.

in subclass 149, add:

Search this class, subclass—
135+—for brakes automatically applied (as distinguished from controlled) by draft means.

204, Chemistry, Electrical and Wave Energy

establish the following subclass definition:

140.5. Processes under subclass 140 directed to the treatment of clean, unpolished solid metallic surfaces to produce bright or mirror-like surfaces.

(1) Note.—The polishing, smoothing, or brightening actions classifiable in this subclass result from a selective electrolytic etching-off of the high points of the base metal surface to thus reduce the surface irregularities.

Search this class, subclass—
14+—for processes where the polished surface is produced by electroplating.
146—for electrolytic removal of burrs, etc., from metal bodies when not accompanied by electrolytic polishing as defined in this subclass.
141+—for electrolytic metal treatment in which brightening results from a cleaning action only. Processes in which electrolytic polishing is preceded by an electrolytic cleaning action are found in this subclass (140.5).

Search Class—
29—METAL WORKING, subclass 90+, for processes and apparatus not otherwise classified for polishing metallic or non-metallic surfaces.
81—ABRADING, subclass 281+, for processes of polishing by abrading.
117—COATING, PROCESSES AND MISCELLANEOUS PRODUCTS, for processes of polishing by non-electrolytic coating.

210, Liquid Separation or Purification

in subclass 49.6, under "Search Class" cancel the reference to class 23, and substitute:

23—CHEMISTRY, subclass 267+, for similar apparatus when employed to extract valuables or other components of solid material by means of a solvent, and subclass 309+, for physical processes of extracting or dissolving inorganic compounds.

223, Apparel Apparatus

in subclass 102, add:

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclasses 123.3 and 124, for pointed pricks and punches.

in subclass 104, cancel "(4) Note" and substitute:

Search Class—
164—CUTTING AND PUNCHING SHEETS AND BARS, subclasses 123.3 and 124, for pointed pricks and punches.

244, Aeronautics

in subclass 17.11, under "(3) Note", cancel item "c".

250, Radiant Energy

subclass 108, in the definition, cancel "and materials".

cancel "(1) Note".

under "(3) Search Classes", add:

252—COMPOSITIONS, subclass 478, for compositions specialized and designed for use as X-ray shields or X-ray shielding materials.

252, Compositions

establish the following subclass definition:

478. Compositions specialized and designed for use as X-ray shields or as X-ray shielding material.

Search Class—
88—OPTICS, subclass 114+, for ray energy filters made of particular materials, that is, devices which are opaque to some wave lengths of ray energy, but transparent to other wave lengths of ray energy.
167—MEDICINES, POISONS, AND COSMETICS subclass 95, for X-ray contrast compositions adapted to be taken internally or injected into the body.
250—RADIANT ENERGY, subclass 108 for miscellaneous devices which are opaque to X-rays not otherwise provided for. X-ray shields defined solely in terms of composition are classified in this class (252).

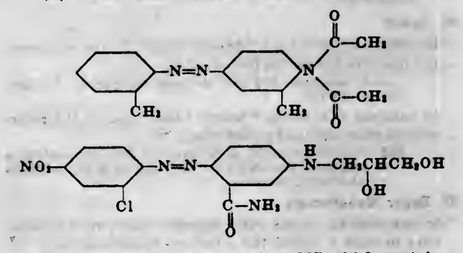
260, Chemistry, Carbon Compounds

in subclass 112, in "(2) Note", change "210" to *211.5*.

establish the following subclass definitions:

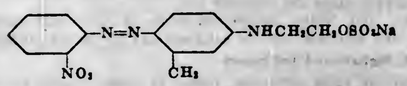
207.1. Compounds under subclass 205 which contain a non-oxo-carbonylic group.

(1) Note.—This subclass contains, for example:



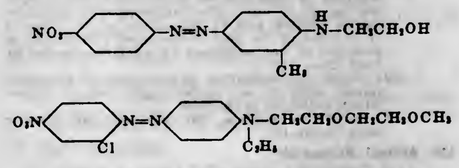
207.3. Compounds under subclass 205 which contain a sulfato-alkyl-amino group.

(1) Note.—This subclass contains, for example:



207.5. Compounds under subclass 205 which contain an oxy-alkyl-amino group.

(1) Note.—This subclass contains, for example:



cancel the definition of subclass 210, and substitute:

210. Compounds under subclass 209, which are derivatives of the cyclic forms of sugars in which the hydrogen of the hemiacetal hydroxyl is replaced by a group which on hydrolysis will yield an alcohol or phenol (aglycone).

(1) Note.—This subclass includes, for example, arbutin, amygdalin and salicin.

establish the following subclass definitions:

210.5. Products under subclass 210 in which the aglycone contains a cyclopentanohydrophenanthrene nucleus.

(1) Note.—This subclass includes, for example, saponin, digitoxin and the strophanthidin and squill glycosides.

211.3. Products under subclass 211 which contain an alloxazine or isoalloxazine nucleus.

(1) Note.—This subclass includes, for example, riboflavin.

211.5. Products under subclass 211 which are derivatives of the cyclic forms of sugars in which the hemiacetal hydroxyl is substituted by an amino group.

(1) Note.—This subclass includes, for example, nucleosides and nucleotides.

233.3. Compounds under subclass 209 wherein the carbohydrate is starch or a reaction derivative thereof.

233.5. Compounds under subclass 233.3 which are esters.

in subclass 239.5, under "Search this class, subclass" change "210" to *210.5*.

in subclass 397, under "Search this class, subclass", change "210" to *210.5*.

272, Amusement and Exercising Devices

establish the following subclass definition:

8.5. Subject matter under subclass 8 wherein a plurality of objects or persons located at different points are viewed from a common viewpoint and made to appear as in the same place, at least one being viewed through and at least one being seen by reflection from the same surface.

cancel the definition of subclass 52, and substitute:

52. Subject matter under the class definition in the form of a horse or other animal designed to accommodate a person in sitting position and provided with means to permit a rocking or oscillating movement of the seat portion. Seats which are detached from the simulated animal, as in the simulation of a horse drawn cart, are included here.

Search Class—
155—CHAIRS AND SEATS, appropriate subclasses, for rocking chairs and seats which include no amusement feature other than merely providing a rocking motion for the seat portion, and particularly, subclass 17+, for baby jumpers.

establish the following subclass definition:

52.5. Subject matter under subclass 52 which is combined with structure not commonly associated with hobby horses, such as article trays, sounding means, adjustable seats, etc., or is convertible to other devices by virtue of the additional structure.

cancel the definition of subclass 53 and substitute:

53. Subject matter under subclass 52 which is capable of a traveling movement over a supporting surface.

establish the following subclass definitions:

53.1. Subject matter under subclass 52 which includes provisions, other than mere hand holds or foot rests, for effecting the rocking or oscillating of the hobby horse.

Search Class—
128—SURGERY, subclass 33, for chairs, couches or other supports for moving the body in treatment thereof.

53.2. Subject matter under subclass 52 in which the hobby horse is provided with movable elements that are actuated as the device is rocked or which may be actuated by the rider.

Search Class—
46—AMUSEMENT DEVICES, TOYS, for similar movable elements on toys.

cancel the definition of subclass 54, and substitute:

54. Subject matter under the class definition, commonly called seesaw or teeter-totter, which consists of a beam pivoted intermediate its ends for vertical oscillation and provided with a seat to accommodate a rider upon at least one end.

Search this class, subclass—
30—for seesaws which are capable of rotation.

cancel the definition of subclass 55, and substitute:

55. Subject matter under subclass 54 which is provided with a seat upon only one end and a means acting upon the other end to resist motion thereof.

Search Class—
155—CHAIRS AND SEATS, subclass 17+, for baby jumpers.

287, Rod Joints or Couplings

in the class definition, under "Search Class", insert:

304—SCAFFOLDS, subclasses 40 and 41, for scaffold binders.

JOE E. DANIELS,
Assistant Commissioner of Patents.

Classification Order No. 57

The following transfers are hereby ordered to take effect October 10, 1949:

	Transfer Class	*From Div.*	*To Div.*
40	Card, Picture, and Sign Exhibiting	35	42
86	Ammunition and Explosive Charge Making	35	70

THOMAS F. MURPHY,
Oct. 7, 1949. *Assistant Commissioner of Patents.*

Classification Order No. 58

The following transfer is hereby ordered to take effect October 14, 1949:

Transfer subclass 9 and indented subclasses, and subclasses 60, 63, 61, 118, 62, 64, 66, and 17 of class 55, Harrows and Diggers from Division 1 to Division 5.

THOMAS F. MURPHY,
Oct. 11, 1949. *Assistant Commissioner of Patents.*

Classification Order No. 59

The following transfer is hereby ordered to take effect October 17, 1949:

	Transfer Class	*From Div.*	*To Div.*
136	Batteries	65	60

THOMAS F. MURPHY,
Oct. 14, 1949. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,469,865. HAND TOOL. Patented May 10, 1949. A hand tool designed to enter and withdraw objects from inaccessible places such as lavatory and sink drain pipes, grate-covered area ways, etc. A pair of long-shanked tongs have a fixed jaw and a movable jaw which is operated through a linkage connected with an operating lever. An arm extension on movable jaw is mounted between a pair of camming pins of the operating lever. A link extending through shank is connected to operating lever and to a spring-biased finger-operated lever located close to a pistol grip handle. May be guided and operated single handedly. (Owner) C. O. Crow, 618 East Oak St., Arcadia, Fla. Group 33—52. Reg. No. 29,042.

Pat. 2,473,394. SAFETY HEADGEAR FOR PEDESTRIANS AND WORKMEN. Patented June 14, 1949. Safety hat for persons working or walking in dark places has a front transparent lens for transmitting illumination ahead, and side and rear translucent lenses for transmitting warning colored light at sides and back. A skull cap has an outer spaced helmet (containing the lenses) pivotally mounted thereon, with an adjustable catch to maintain helmet in desired angular adjustment for throwing front beam of light. Electric light bulb mounted between cap and helmet is connected to a battery worn on wearer's belt. Switch on electric cord may be clipped to wearer's shirt pocket. (Owner) Clarence W. Scott, 3535 Ellis Ave., Chicago 15, Ill. Groups 34—81; 36—62—99; 39—81. Reg. No. 29,043.

Pat. 2,430,179. PORTABLE PLATFORM. Patented Nov. 4, 1947. This patent provides a portable scaffold which may be wheeled into position. The apparatus consists of a pair of separate platforms mounted on one two-wheeled frame provided with a number of adjustable feet. One of the platforms carries a workman, the other platform being loaded with a supply of building materials. Several manual or motor operated arrangements (such as hydraulic rams, lazy tongs, or screwshaft and gear combinations) are provided for raising and lowering the platforms independently. The apparatus is best adapted to one- or two-floor construction within a height of 18 to 20 feet. (Owner) F. Lanchester, % Glascock, Downing & Seebold, National Press Bldg., 14th and F Sts., N. W., Washington, D. C. Groups 25—99; 33—81; 35—63. Reg. No. 29,044.

Pat. 2,471,193. BEAM COMPASS. Patented May 24, 1949. A compass for drawing ellipses, etc., as well as circles is capable of fine adjustments. A sectional and extensible bar has supports for pens, pencils, or other instruments slidably mounted thereon. The supports and end blocks on the sections have communicating elongated vertical slots. The instruments are carried in these slots and have threaded extensions above and below the blocks and supports for clamping nuts. The instrument may be adjusted to desired incline position and the bar sections and supports clamped in adjusted positions. (Owner) James B. Brower, 43 East Pacific Ave., Pleasantville, N. J. Group 39—11. Reg. No. 29,045.

Pat. 2,469,652. POOL BALL SPOTTING FRAME. Patented May 10, 1949. A triangular-shaped frame of plastic for racking pool balls has a bead completely surrounding central portion of frame wall. Provides a direct upward lift with either edge up. The bead also serves to lend strength and bending resistance to the walls. (Owner) Russell A. Jones, 643 North Main St., Akron 10, Ohio. Groups 39—49—81; 40. Reg. No. 29,046.

Pat. 2,466,006. ADJUSTABLE CENTERBOARD. Patented Apr. 5, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Pentagonal centerboard for sailing vessels may be adjusted to various fore or aft positions, as well as vertically. The upper end of the board carries a transverse dowel pin. The upper edges of the casing in which the board is disposed are formed with a series of spaced aligned notches to receive opposite ends of the pin when the board is adjusted fore or aft, or disposed vertically in its lowermost position. The board may be adjusted vertically to an intermediate position, or to inoperative position, by passing a loose pin through a selected hole in the board so that opposite ends of this pin will seat in the central pair of notches. (Owner) George J. Danko, 5109 Willard Ave., Chevy Chase 15, Md. Group 37—31—32. Reg. No. 29,047.

Pat. 2,473,198. HAIR WAVER. Patented June 14, 1949. Mechanical finger-waver for any length hair has spaced longitudinally curved plastic tines (mounted on a supporting bar) to embrace a person's head, and longitudinally curved cover members mounted for swinging movement toward and away from the tines. Mounted on the undersides of the cover members for swinging movement therewith are slidable longitudinally curved hair positioners. The hair positioners have rows of spaced teeth on their inner surfaces to hold strands of hair between the tines when cover members are swung inwardly. After all cover members have been swung inwardly, the hair positioners are alternately slid in opposite directions and clamped to the cover members so that the teeth will form waves in the hair. (Owner) Lucynda Fink, Box 6, Liscomb, Iowa. Group 39—81—91. Reg. No. 29,048.

Des. Pat. 151,486. GAME BOARD. Patented Oct. 26, 1948. For playing a baseball game by throwing darts at the board. (Owner) William G. Batchelder, 3211 Park Ave., Indianapolis 5, Ind. Group 39—41. Reg. No. 29,049.

Pat. 1,912,326. CHECK FILE. Patented May 30, 1933. An advertising novelty consists of an index file for canceled checks. Comprises a collapsible box (preferably of plastic) bearing advertising material, a set of index cards, and a folding W-shaped self-adjusting support of flexible material to be placed lengthwise behind the cards. Support expands and bends on slight pressure, allowing easy access to filed matter. May be knocked down and enclosed in an envelope for distribution by banks, etc. (Owner) Milton W. Uecker, Box 225, Elkader, Iowa. Groups 39—81—93; 40. Reg. No. 29,050.

Pat. 2,460,946. HANGER. Patented Feb. 8, 1949. A swivel hanger to be removably mounted on a bolt or lag screw which has been previously mounted. Hanger is longitudinally divided into two main members with interlocking lugs and grooves and inturned hooks projecting from the members. Center opening on each member forms a channel for bolt when assembled, and the free ends of the hooks overlap. May be carried like a tool and used to support a pipe line or the like and removed without dismantling pipe line. (Owner) John W. Reynolds, 711 North Monroe St., Albion, Mich. Group 33—59. Reg. No. 29,051.

Pat. 2,471,221. ELECTRIC FOOT-WARMING OTTOMAN. Patented May 24, 1949. An electrically heated ottoman for warming the feet. Center of ottoman is open, and spaced bars extend across top of opening providing a foot rest. A removable heater unit is held in position in opening by turn buttons. Heater casing has side openings and top grate openings which lie beneath the spaced bars. Heating elements extend upwardly from bottom of casing and are connected to an electric outlet. Side openings in ottoman are stepped to provide air circulation through the heater. (Owner) George W. Lindstrom, Box 921, Norwalk, Conn. Group 36—21. Reg. No. 29,052.

Pat. 2,470,531. WAGON TONGUE HITCH. Patented May 17, 1949. A detachable coupling for a vehicle and trailer is automatically closed and manually disengaged. Metal plates are bolted to tongue of trailing vehicle, their free ends forming a socket to receive draw bar of towing vehicle. Spaced brackets at center of top plate provide bearings for a pivot pin which supports a cylindrical sleeve providing a mount for a spring-pressed lever. A spring surrounding sleeve and anchored to one arm of lever holds hitch pin secured thereto in alignment with opening in draw bar. To couple the two vehicles, after the holes of the draw bar and coupling head have been brought into register, the lever is released and the coupling pin spring-pressed into the registering holes. By manually bearing down on handle arm of lever the coupling pin is quickly lifted to release the vehicles. (Owners) Richard Warren Suhl and Elmer C. Marxmiller, R. R. 2, Sullivan, Ill. Groups 35—69; 37—99; 38—11—41. Reg. No. 29,053.

Pat. 2,435,165. TROUBLE LIGHT FOR AUTOMOBILES. Patented Jan. 27, 1948. A trouble light to illuminate the engine of an automobile is removable and adjustably supported under the hood. A base has a post with a yoke at upper end to pivotally support a lamp housing. A spool mounted on post supports an extension cord. Storage batteries are mounted in base of spool. A switch on spool is connected to the extension cord to cut in the lamp with either the storage batteries or the automobile battery. (Owner) Stanley Stelmack, P. O. Box 4497, Philadelphia 40, Pa. Group 34—81. Reg. No. 29,054.

Pat. 2,471,660. STORAGE BATTERY WITH LEVEL INDICATOR. Patented May 31, 1949. Storage battery has indicator to determine height of electrolyte in battery cells. A flange integral with upstanding rear wall is parallel to top of battery. Terminal posts are embedded in an insulated block between flange and top of battery. Electrodes for each battery cell are provided in the insulated block and connected to an indicator for registering height of liquid in the cells. The flange and insulated block protect the terminals from coming in contact with acid in the battery and prevent corrosion. (Owner) Stanley Stelmack, P. O. Box 4497, Philadelphia 40, Pa. Group 36—91. Reg. No. 29,055.

Pat. 2,462,131. SOLDERING IRON. Patented Feb. 22, 1949. Fountain type soldering iron maintains a uniform working temperature and carries a supply of solder in the nozzle so a number of spots may be soldered with one filling of the nozzle. Device has the usual electrically heated shell and grip handle. Tubular shank of enlarged head carrying tapering soldering nozzle removably fits in socket at end of shell. Bore through shank is coaxial with bore of nozzle. In operation, the nozzle is heated, the rounded end contacted with the solder, and molten solder is drawn upwardly through the bore. A quantity of solder is maintained in upper portion of bore. When end of nozzle is brought into contact with parts to be soldered, the molten solder is released in desired quantities. (Owner) Estate of Eugene H. Rustin. Correspondence to Kaye, Scholer, Fierman & Hays, attention John H. Ball, 149 Broadway, New York 6, N. Y. Group 36—21. Reg. No. 29,056.

Pat. 2,471,784. HEAT EXCHANGE UNIT. Patented May 31, 1949. A thermostatically controlled heat exchange unit for installation in a room wall has upper and lower openings, to draw air in from the upper portion of a room, heat the air, and discharge it at a lower level into the same room. An elongated metallic casing has upper fan housing for entrance of air. A deflector above motor and fan directs air downwardly through an air conduit into a heater housing. A heat exchanger in lower opening has electric finned strip heaters. An inner L-shaped wall spaced behind and below the heating elements forms a directing means for the heated air and a cold air shielding passageway behind and below the heating elements. Heated air enters room through grill at front of heater housing. (Owner) Louis P. Seifner, 3109 Yesler Way, Seattle 22, Wash. Group 36—21. Reg. No. 29,057.

Pat. 2,469,034. COMBINED CONDIMENT CONTAINER. Patented May 3, 1949. A container for four or more condiments is formed of transparent plastic. A separator fits tightly within grooves in side walls and bottom of a cylindrical container, forming marked compartments. A sifter cover fits down in top of container. A selector plate with a circular opening is superposed on sifter cover and is movable by a finger ing to uncover a group of sifter openings over desired compartment. A holding screw passes upwardly from bottom of container through selector plate and holds device together. Easily disassembled for filling or cleaning. (Owner) Marian A. Garris, P. O. Box 591, Sunnyvale, Calif. Groups 39—81; 40. Reg. No. 29,058.

Pat. 2,461,179. TROUSER HANGER. Patented Feb. 8, 1949. Hanger for supporting trousers by the cuffs. A pair of triangular spring-wire sections are connected by an integral spring hook normally drawing the sections toward each other to clamp the trousers between the sections. Lower rod of each section is bent to form spaces at ends of sections for the reception and extending of the trouser cuffs on the rods. (Owner) Robert G. Rogalla, 1621 State St., Racine, Wis. Groups 33—49; 40. Reg. No. 29,059.

Pat. 2,472,397. DOOR HOLDER AND BUFFER. Patented June 7, 1949. An electro-magnetic door holder and buffer controlled by a push button type electric switch is automatically actuated as door is opened. A metallic plate is attached to one side of a door. An electro-magnet is positioned on the floor to be contacted by the plate as door is opened. An electric switch in the path of travel of the door energises the magnet and is actuated by the door (as it is opened) to close the electric circuit prior to contacting engagement between door and magnet. Modification given. (Owner) William P. Bennett. Correspondence to Pattison, Wright and Pattison, 7240 Wisconsin Ave., Bethesda, Md. Group 36—21—99. Reg. No. 29,060.

Pat. 2,474,064. SANDING BLOCK. Patented June 21, 1949. Sanding block designed to be readily gripped for operating close to the edge of surfaces has removably connected upper and lower section. Screw-connected blocks hold sections together. Upwardly extended ribs along the longitudinal side edges of lower section and ribs on lower surface of upper section have beveled side surfaces which cooperate to grip an abrasive sheet stretched around lower section. Leather strips secured to upper section overlie a portion of the sandpaper to protect operator's hands. (Owner) Joseph Paul, 1610 Hoover Ave., Eau Claire, Wis. Groups 32—91; 33—52. Reg. No. 29,061.

Pat. 2,417,565. GAME OR TOY. Patented Mar. 18, 1947. A competitive game is played on a rimmed game board having holes for scoring. An upstanding spirally grooved post (having a base on each end for inverting post) has a cross bar mounted thereon with pockets on each side for colored marbles, etc. Cross bar is released by a control rod to rotate and descend the grooved post until it strikes a stop on base. The playing pieces bounce from pockets onto board. Post is then inverted. Modification shows recoil springs at inner ends of post which reverse rotation of bar and propel it downward or upward. Game may be played in various ways with dice, cards, etc. for determining values for scoring. (Owner) Benjamin E. Norvell, Cornville, Ariz. Group 39—41. Reg. No. 29,062.

Pat. 2,469,486. GARMENT OF THE BIFURCATED NETHER TYPE. Patented May 10, 1949. This patent presents a fly construction for shorts, pajamas, and similar garments. The fly consists of a reinforced triangular flap of double thickness which maintains a closed position. The shorts shown are provided with an elastic waistband and are free of buttons and other fastening means. (Owner) Nora B. Witter, 34 Lewis St., Binghamton, N. Y. Groups 22—45; 23—21—22—41. Reg. No. 29,063.

Pat. 2,472,705. TIME DIVISION CARRIER MULTIPLEX TELEPHONE SYSTEM. Patented June 7, 1949. This patent refers to an improved multiplex communication system. Generally stated, signals for two messages are separated into small fragments and the periods of time for each fragment reduced to approximately one half. The signals are then modulated on a single carrier in rotation for simultaneous reception. The multiplex system in each office is controlled by synchronizing signals developed by a master generator at a main telegraph office or the like and transmitted to all offices in the system. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Group 36—62. Reg. No. 29,064.

Pat. 2,331,122. STABILIZED PHONOGRAPH ARM. Patented Oct. 5, 1943. Phonograph pick-up arm is designed so that it will not jump or slide when phonograph is subjected to shocks or vibrations, such as are encountered in moving vehicles. The arm carried by a supporting standard is mounted to rotate about a pivot at its center of gravity. A weight is pivoted at its center of gravity to rotate in a plane parallel to movement of the arm. The weight is geared to the standard so that it will rotate counter to rotation of the arm. (Owner) Allen M. Jones, National Press Bldg., 14th and F Sts., N. W., Washington 4, D. C. Group 36—61. Reg. No. 29,065.

Pat. 2,433,109. CHILL MOULD FOR CASTING CYLINDER HEADS OF AIR-COOLED ENGINES. Patented Dec. 23, 1947. Metal mould facilitates the casting of cylinder heads having thin, close, parallel fins. The mould includes a hollow block formed with guides in which superimposed independently slidable plates are mounted. The inner ends of the plates are shaped to form that part of the mould for casting the fins. A support forming the upper part of the mould is mounted on top of the block. A mass of sand forming the core of the casting is held in the support. Vacuum hoods mounted on the block to hold the plates in operative position are connected to vacuum producing means. The plates are formed on their faces with channels connecting the interior of the mould to the hoods. (Owner) Pierre Fouron. Correspondence to John Imirie, Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Groups 33—23; 37—22; 39—98. Reg. No. 29,066.

Pat. 2,174,203. SYSTEM FOR PRODUCING A PULSATING CIRCULATION IN APPARATUS CONTAINING GAS EVOLVING PRODUCTS. Patented Sept. 26, 1939. Apparatus automatically causes pulsating circulation of fermenting liquid without the use of movable mechanical parts of any kind. It consists of a closed tank having a conduit discharging into a pan at a higher level, and a pair of hydraulic valves. One valve constitutes a relief valve for the tank. Gas pressure resulting from fermenting liquid in the tank forces the liquid through the conduit into the pan until the gas pressure in the tank reaches a predetermined limit. The gas then expels fluid out of the relief valve and opens it to abruptly eliminate pressure in the tank. This permits liquid in the pan to flow by gravity through the other hydraulic valve into the upper end of the tank. When pan is empty, the expelled fluid re-enters and closes the relief valve. This operation is repeated over and over until fermentation ceases. (Owners) Gilbert L. R. Ducellier and Marcel A. Isman. Correspondence to John Imirie, Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Groups 20—84; 35—51. Reg. No. 29,067.

Pat. 2,460,292. VIBRATION INSULATING MOUNTING. Patented Feb. 1, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Reg. No. 29,068.

Pat. 2,460,829. VIBRATION INSULATING DEVICE. Patented Feb. 8, 1949. (Granted under the act of March 8, 1883, as amended April 30, 1928; 370 O. G. 757.) Reg. No. 29,069.

These two patents show vibration insulation mountings that may be used wherever it is desired to vibrationally insulate various devices, such as radio equipment, or motors, from their supporting structures. These mountings provide substantially uniform vibration insulation in all directions. Each mounting consists of a fixed outer cylindrical support and a floating support co-axially disposed within the fixed support. The floating support is resiliently supported with respect to the fixed support, and it is also free to rotate relative to fixed support. In Pat. 2,460,292 a series of metal balls are disposed for rolling action between opposed angular resilient surfaces of the floating and fixed supports. In Pat. 2,460,829 compressible rubber balls are employed instead of metal balls. Modifications are shown. (Owner) Nicholas Ivanovic, 4341 Baltimore Ave., Philadelphia 4, Pa. Group 36—11.

Pat. 2,472,719. PEG GAME BOARD. Patented June 7, 1949. Game board consists of two sections hinged together. One section constitutes a runway with an obstacle at inner end, and the other section constitutes a target area with a series of pegs. Game is played by flipping a ring or hoop along runway so that it will surmount the obstacle and encircle one of the pegs. A foldable yoke is provided for holding target section at various inclinations. Board may be folded when not in use to form a box for game paraphernalia. (Owner) George Mysels, 48 West 73rd St., New York 23, N. Y. Group 39—41. Reg. No. 29,070.

Pat. 2,473,756. CUTTING DEVICE. Patented June 21, 1949. Device may be used to cut strips of various widths from leather, linoleum, or the like, even if the material has highly irregular edges. It may also be used to cut strips with beveled edges of various angularity, or to skive or cut thin strips. Device has a work-supporting plate with an adjustable knife positioned close to a convex side of a long guide flange of varying curvature. The knife may be carried by a spherical arbor journaled for universal movement in a block secured to an edge of the plate. The arbor may be rotatably adjusted to variably space the knife from the guide when making fine or small adjustments, or to incline the blades for bevel cutting. If larger adjustments are desired, the block may be variably adjusted along the edge of the plate. Modifications are shown. (Co-owner) Albert I. Kegan, 29 South La Salle St., Chicago 3, Ill. Groups 32—52; 35—59—69. Reg. No. 29,071.

The General Electric Company is prepared to grant non-exclusive licenses under the following 48 patents on reasonable terms.

Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,012,821. AUTOMATIC CONTROL OF ARTIFICIAL ILLUMINATION. Patented Aug. 27, 1935. Reg. No. 29,072.

Pat. 2,049,355. PHOTOELECTRIC RELAY APPARATUS. Patented July 28, 1936. Reg. No. 29,073.

These two patents relate to photo-electric devices employed to control the turning on or off of lighting equipment in response to variations in daylight. Difficulty is often experienced in obtaining satisfactory operation of apparatus inasmuch as photo-electric devices are affected by artificial illumination as well as by daylight so that illumination is switched on and off. These two patents are directed toward arrangements which compensate for the effect of artificial illumination on photo-electric devices. Group 36—19.

Pat. 2,032,912. PROCESS OF SURFACE HARDENING OF METALS BY CEMENTATION WITH ANTIMONY. Patented Mar. 3, 1936. A process of hardening articles made of workable metals and alloys and having a melting point between 750° and 1550° C., and containing 1–10% manganese. The articles are electroplated with antimony and heated at a temperature ranging from 400° to 620° C., to form a hardened layer consisting of a ternary compound of the metals involved. The articles are further hardened by quenching and re-heating to 200–350° C. Group 34—19—91. Reg. No. 29,074.

Pat. 2,044,563. GRINDING MACHINE. Patented June 16, 1936. Reg. No. 29,075.

Pat. 2,044,564. GRINDING MACHINE. Patented June 16, 1936. Reg. No. 29,076.

These two patents relate to domestic household machines for grinding and disposing of garbage and similar refuse material. Garbage is received in a receptacle and ground by a perforated disk operated by a rod connected to a motor-driven piston and cylinder arrangement. Ground garbage is continuously flushed away by the flow of water through a passage provided in the rod which not only serves to dispose of refuse material but acts as a lubricant for the grinder. Group 35—89.

Pat. 1,896,093. CONTROL SYSTEM. Patented Feb. 7, 1933. Reg. No. 29,077.

Pat. 1,918,030. CIRCUIT CONTROLLER. Patented July 11, 1933. Reg. No. 29,078.

Pat. 1,919,979. ELECTRIC SWITCH. Patented July 25, 1933. Reg. No. 29,079.

Pat. 1,919,991. ELECTRORESPONSIVE TIME ELEMENT DEVICE. Patented July 25, 1933. Reg. No. 29,080.

Pat. 2,036,821. MACHINE TOOL DRIVING SYSTEM. Patented Apr. 7, 1936. Reg. No. 29,081.

These five patents refer to various control systems. Pat. 1,896,093 is an arrangement for disconnecting the field winding of a synchronous machine when the machine falls out of synchronism. Pat. 1,918,030 discloses a circuit controller having a time delay action in which an electromagnet is operated by the excessive initial energization under the control of a start and stop push button. Pat. 1,919,991 provides a switch structure having a winding proportioned to set up excessively high magnetic flux which enables energy to be stored to produce a time delay action. In Pat. 1,919,979 a toothed switch contact in combination with an electro-responsive operating means is described. Pat. 2,036,821 shows an electrical device for interlocking a tool feeding means with the main driving motor of the tool so that the tool is fed to the workpiece at various desired speeds. Group 36—19.

Pat. 1,888,071. SEAL FOR ELECTRIC DISCHARGE DEVICES. Patented Nov. 15, 1932. Reg. No. 29,082.

Pat. 1,974,298. MAKING A SEAL FOR ELECTRIC DISCHARGE DEVICES. Patented Sept. 18, 1934. Reg. No. 29,083.

These two patents describe a gas-impervious seal for mercury arc rectifiers and like electric discharge devices. The sealing compound used is essentially composed of mica and lead borate and adheres firmly to metal. Groups 32—95; 36—19.

Pat. 2,133,838. ELECTRIC HEATER. Patented Oct. 18, 1938. An electric heater for steam boilers consists of sheathed heater units formed into a loop and supported by its terminal ends in plugs fitted to openings provided in the boiler wall. Opposite ends of the heaters are clamped to the wall to prevent displacement. The heaters are positioned in a circle about boiler stays on which a circulation tube is mounted. Vitreous compound similar to that of Pat. 1,888,071 and Pat. 1,974,298 (Reg. Nos. 29,082 and 29,083), is forced between the sheath and heater. Group 36—21. Reg. No. 29,084.

Pat. 1,971,205. CIRCUIT INTERRUPTER. Patented Aug. 21, 1934. A U-shaped bimetallic latch responsive to current flow is released in accordance with a predetermined heat, or by magnetic attraction. Group 36—19. Reg. No. 29,085.

Pat. 2,128,145. ELECTRIC FUSE DEVICE. Patented Aug. 23, 1938. Fuse adapted to be suspended from an overhead electric line conductor includes an automatically released signaling device readily observable from a distance to indicate the operation of a fuse cut-out. Group 36—19. Reg. No. 29,086.

Pat. 2,156,019. PERMANENT MAGNET STEEL ALLOY AND METHOD OF MAKING SAME. Patented Apr. 25, 1939. Reg. No. 29,087.

Pat. 2,161,926. METHOD OF MANUFACTURING PERMANENT MAGNETS. Patented June 13, 1939. Reg. No. 29,088.

Pat. 2,245,477. PERMANENT MAGNET AND METHOD OF MAKING SAME. Patented June 10, 1941. Reg. No. 29,089.

In these three patents a permanent magnet is cast from an alloy consisting essentially of nickel, cobalt, titanium, aluminum, and iron. The alloy magnet (while in its mold) is heat treated at temperatures ranging from melting point to 650° C.; slowly cooled; annealed; and then cooled to room temperature. Groups 33—12; 34—91.

Pat. 2,163,393. SELENIUM RECTIFIER HAVING LIGHT METAL CARRIER ELECTRODES. Patented June 20, 1939. Reg. No. 29,090.

Pat. 2,189,576. DRY PLATE RECTIFIER AND METHOD OF PRODUCING SAME. Patented Feb. 6, 1940. Reg. No. 29,091.

Pat. 2,215,999. SELENIUM RECTIFIER HAVING AN INSULATING LAYER. Patented Sept. 24, 1940. Reg. No. 29,092.

Pat. 2,271,219. DRY PLATE ELEMENT AND METHOD OF PRODUCING SAME. Patented Jan. 27, 1942. Reg. No. 29,093.

These four patents relate to dry plate rectifiers having a semi-conductor layer consisting of selenium produced by application of the semi-conductor layer in a vacuum or in a neutral atmosphere to form a crystalline layer on the carrier electrode. A surface layer is produced that is especially favorable for the formation of a natural blocking layer. Group 36—19.

Pat. 2,026,381. HIGH VOLTAGE PRIMARY CUT-OUT. Patented Dec. 31, 1935. Cut-out for outdoor use equipped with a signaling vane pivoted to the outside cover of the cut-out by a fusible link. Group 36—19. Reg. No. 29,094.

Pat. 2,220,732. TRANSFORMER CORE AND METHOD OF MAKING THE SAME. Patented Nov. 5, 1940. Rectangular

magnetic core is made by winding strip coated with a dielectric film (of low melting point) into the dimensions required prior to blocking and pressing the strip into desired shape. After core is secured in position, it is heated to melt the dielectric film so that space is left between the turns of the strip. Group 36—61—62. Reg. No. 29,096.

Pat. 2,233,928. PROCESS AND FIXTURE FOR THE SHAVING OF WIRE. Patented Mar. 4, 1941. Wire shaving apparatus is a combination of a drawing die separated a sufficient distance from a cutting die by a guide die to permit continuous entrance of the material removed from the wire. Guide may be adjusted about the axis of the cutting die to equalize the annular thickness of the material being removed from surface of wire. Group 35—42. Reg. No. 29,096.

Pat. 2,283,812. MOLD AND FABRICATION METHOD. Patented Aug. 28, 1945. Composition for making precision molds for receiving cast metal consists mainly of ground refractory material and a binder composing a gelatinous reaction product of an alcohol solution of phosphorous pentoxide and magnesia. The mold formed is of sufficient strength to receive highly heated fluid metal and yet readily disintegrated when the cast metal has set. Group 39—98. Reg. No. 29,097.

Pat. 2,067,057. WELDING APPARATUS. Patented July 13, 1937. Reg. No. 29,098.

Pat. 2,067,225. WELDING APPARATUS. Patented July 13, 1937. Reg. No. 29,099.

Pat. 2,093,394. METHOD AND APPARATUS FOR FORMING AND FEEDING WELDING MATERIAL. Patented Sept. 14, 1937. Reg. No. 29,100.

Pat. 2,164,104. FLUX CARRYING TAPE AND METHOD OF ASSOCIATING SAME WITH A WELDING WIRE. Patented June 27, 1939. Reg. No. 29,101.

Pat. 2,209,893. WELDING APPARATUS. Patented July 30, 1940. Reg. No. 29,102.

These five patents describe methods of arc welding in which wire is advanced through a welding head and automatically wound with a paper tape that incorporates a fluxing material which shields the arc from air, producing a non-oxidising atmosphere about the molten weld metal. In Pat. 2,087,057 cooperating rollers cause the tape to be U-shaped so that it partially encircles the advancing wire. In Pat. 2,087,225 a spiral of tape is pressed into preformed dents in the wire for better adhesion. In Pat. 2,093,394 a flat strip of tape is deformed to completely encircle the wire. Pat. 2,164,104 presents a tape that will maintain its folded position about the welding wire and which will not burn back or char, or tend to shrink in width. Pat. 2,209,893 is principally concerned with forming the tape about the wire in progressive stages to insure close fit by providing a head in which the flow of current is confined to a relatively short distance to minimise the production of heat within the casing containing the tape feeding mechanism. Group 36—19.

Pat. 1,902,492. PROTECTIVE DEVICE FOR WALKING BEAM PUMPING RIGS. Patented Mar. 21, 1933. A protective device for a counterbalanced walking beam operating mechanism (such as that used in oil pumping rigs) that shuts off power whenever normal balance is disturbed. Group 36—19. Reg. No. 29,103.

Pat. 1,944,988. CONTROL SYSTEM. Patented Jan. 30, 1934. Concerned with an electron discharge device (applicable to elevators, railway turntables, weighing devices, etc.) in which an oscillatory condition is maintained responsive to the movement of a control element which varies inductance. Group 36—92. Reg. No. 29,104.

Pat. 1,963,915. WELDING ROD CONDUIT. Patented Apr. 3, 1934. A welding rod is fed through a flexible tubular conduit composed of helically wound ribbon over which a series of wires are tightly wound. Group 36—19. Reg. No. 29,105.

Pat. 1,970,220. ARC WELDING APPARATUS. Patented Oct. 30, 1934. Presents a single unit structure in which motor and generator windings are disposed on a single armature core and is especially adapted for multi-operator use. Group 36—19. Reg. No. 29,106.

Pat. 2,000,161. ARC WELDING APPARATUS. Patented May 7, 1935. Describes welding apparatus of the dynamotor type actuated from an alternate current source, but which delivers across the welding arc a substantially constant direct current that does not drop during welding operation. Group 36—19. Reg. No. 29,107.

Pat. 2,079,956. AUTOMATIC WELDING HEAD. Patented May 11, 1937. An electrode is fed to the arc by a readily adjustable head which automatically adapts itself to irregularities that ordinarily produce a change in arc operations. Group 36—19. Reg. No. 29,108.

Pat. 2,022,502. MOTOR CONTROL SYSTEM. Patented Nov. 26, 1935. Provides a pilot motor generator set used for controlling a hoist motor so that it follows speed changes of the generator regardless of the load on the hoist. Groups 35—31; 36—19. Reg. No. 29,109.

Pat. 2,082,627. FEEDBACK AMPLIFYING CIRCUIT FOR LIGHT SENSITIVE DEVICES. Patented June 1, 1937. Relates to a device which takes the place of amplifiers used with television or motion picture apparatus. Group 36—19—61. Reg. No. 29,110.

Pat. 2,180,983. DYNAMO-ELECTRIC MACHINE. Patented Nov. 21, 1939. Features a dynamo core provided with slots for a number of connected coils having conductors covered with a baked varnish insulation consisting of paper coated on one side with a cellulose derivative. Group 36—19. Reg. No. 29,111.

Pat. 2,183,473. WELDING APPARATUS. Patented Dec. 12, 1939. Features a head employing two motors which rotate in opposite directions to control the feeding of an electrode toward the work being welded. Group 36—19. Reg. No. 29,112.

Pat. 2,358,158. ELECTRODE HOLDER. Patented Sept. 12, 1944. Describes an electrode holder, nozzle and clamping arrangement particularly suited for gas-arc torches of the atomic hydrogen type. Group 36—19. Reg. No. 29,113.

Pat. 2,195,287. REVERSING SINGLE PHASE MOTOR. Patented Mar. 26, 1940. A reversing scheme for motors of the split-phase type in which a quick-acting relay is associated in short-circuiting relation with a customary automatic speed-responsive starting switch. Group 36—19. Reg. No. 29,114.

Pat. 2,264,095. CONTROL SYSTEM. Patented Nov. 25, 1941. Reg. No. 29,115.

Pat. 2,264,096. CONTROL SYSTEM. Patented Nov. 25, 1941. Reg. No. 29,116.

These two patents cover control systems for rolling mill apparatus having a tensioning device and rolls, the opening between which may be varied to maintain substantially constant the gauge of material being rolled. Group 33—12.

Pat. 2,393,662. CONTROL SYSTEM FOR WELDING HEADS. Patented Jan. 29, 1946. Shows a motor control for welding heads in which the electrode is actuated by two simultaneously operated motors geared to the electrode feed so that the speed of one of the motors is controlled by voltage across the arc, thus eliminating jerky movements of the electrode during welding. Group 36—19. Reg. No. 29,117.

Pat. 2,444,767. GAS-ARC WELDING APPARATUS. Patented July 6, 1948. Provides a light-weight gas-arc torch including a thumb controlled valve within the handle for welding readily oxidised metals in atmospheres of argon or helium. Group 36—19. Reg. No. 29,118.

Pat. 2,468,570. ARC WELDING MACHINE. Patented Apr. 26, 1949. Describes a feed mechanism suitable for either open or concealed arc welding in which the arc is maintained regardless of whether or not the electrode contacts the work. Group 36—19. Reg. No. 29,119.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1949

In the following cases, the marks were held unregistrable on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner*.

Ex parte Ring Specialty Company, 171 Ms. D. 523. 83 USPQ 35 (Sept. 26, 1949). The notation "RING OF THE MONTH" as a trade-mark for "jewelry for personal wear (not including watches)" held unregistrable on the Supplemental Register of the act of 1946 on the ground of being incapable of distinguishing applicant's goods.

This is an appeal from the final refusal of an application for registration of a trade-mark for "jewelry for personal wear (not including watches)" upon the Supplemental Register under the Trade-Mark Act of 1946. The mark sought to be registered consists of the words "RING OF THE MONTH."

The ground of refusal is that the mark sought to be registered is not "capable of distinguishing applicant's goods" as required by section 23 of the Trade-Mark Act of 1946. In *Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, 29 CCPA 1024, 127 F.2d 818, the United States Court of Customs and Patent Appeals held "HANDKERCHIEFS of the Year" unregistrable under the Trade-Mark Act of 1905, and said:

"We think that the notation sought to be registered is descriptive of the character or quality of handkerchiefs. We are further of opinion that the notation inherently cannot function as a trade-mark. Such a common expression which can indicate nothing but high quality surely would not be indicative of origin to the purchasing public."

This would appear to be controlling and to indicate that the words presented cannot function as a trade-mark and are incapable of distinguishing applicant's goods.

Applicant contends, however, that this cannot apply to its mark since it is not used as a "laudatory expression" and, that under applicant's method of doing business, the mark is not only capable of distinguishing the goods, but is so recognized in the trade. In support of these contentions certain exhibits have been produced in some of which retail customers of applicant have used the words sought to be registered in ordering or inquiring about applicant's product. It is further set out that the mark identifies and distinguishes applicant's goods because of its method of doing business. This is described in the applicant's brief as follows:

• • • The applicant is engaged in the manufacture and wholesale distribution of finger rings in a rather unique manner. In its business practice, the applicant firm makes only one new model of a ring each month and specializes on the sale of that one ring for a period of one month. This does not mean that a purchaser cannot at a later time order rings of a previous month model, because the applicant maintains a sufficient supply to meet the normal market demands over an extended period of time. But by this unique method of manufacture the applicant has been able to materially reduce production costs and thereby establish a very substantial business in a relatively short period of time.

and further

"The whole foundation of the business rests upon the fact that in one way or another the applicant places a new model of finger ring on the market each month. These are not birthstone rings, but represent some change in actual design of the ring. By this method of doing business two things are accomplished. First, production costs are reduced by standardised production techniques. Secondly, the buyers, who are retail jewelers, can minimise their purchases and do not have to buy in volume, as is generally the custom in this trade."

The statement of the United States Court of Customs and Patent Appeals in *Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, supra, that "the notation inherently cannot function as a trade-mark" would appear to apply to the product even when produced and marketed in this manner. Aside from the possible "birthstone" significance referred to in the quotation from applicant's brief, supra, the meaning to be attributed to the words is that which it will denote to the public and not that which is intended by applicant. In *Ex parte Durium Products Corporation*, 15 USPQ 57, holding that the words "HIT OF THE WEEK" for phonograph records could not function as a trade-mark, it was said:

"Whether a mark is registrable as a trade-mark must be determined not from the intention of the party using the mark but from the effect it has upon the public mind. Unless the mark functions to identify or authenticate the goods as to their origin, or ownership, it is not a trade-mark."

And as further stated by the United States Court of Customs and Patent Appeals in *Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, supra:

"'of the year' is a common expression of high quality as applied to any object and one which we think any business is entitled to apply to its goods. If the exclusive right to use such expression as applied to handkerchiefs were granted appellant, we feel that appellee, together with other manufacturers of handkerchiefs would probably be damaged."

While that was a contested case the court recognized that the interest of others than the specific opposer must be considered, and in this case it would appear that any manufacturer of rings who cared to use such a "common expression" should be entitled to do so, and that accordingly the mark sought to be registered cannot distinguish the goods of the applicant. It must further be considered that so far as any suggestion appearing in this record, other manufacturers would be at liberty, if they so desired, to follow applicant's so-called "unique manner" of doing business, and the mark could not distinguish the goods of any particular manufacturer. Nor would the fact, if it be a fact, that no one has adopted this method of operation up to the present time, change this situation. *Kellogg Company* v. *National Biscuit Company*, 305 U. S. 111. 39 USPQ 296. I cannot therefore accept the applicant's alleged distinctions between this case and *Burmel Handkerchief Corporation* v. *Cluett, Peabody & Co.*, supra, and believe that case to be controlling.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte National Geographic Society, 171 Ms. D. 510, 82 USPQ 446 (Sept. 13, 1949). The words "Mention the Geographic—It identifies you," all words except "Geographic" being disclaimed, held unregistrable as a trade-mark under sec. 2(*f*) of the act of 1946.

This is an appeal from the action of the Examiner of Trade-Marks finally refusing to register a trade-mark on the Principal Register, under section 2(*f*) of the Trade-Mark Act of 1946. The mark sought to be registered consists of the words, "Mention the Geographic—It identifies you." The application states that, "All words except 'Geographic' are disclaimed * * *." Registration was refused on the grounds that:

(1) it is merely a form of advertising not used as a mark upon the goods described in the application; and
(2) slogans capable of distinguishing goods are eligible for presentation on the Supplemental Register only and do not qualify for registration on the Principal Register either with or without reliance on section 2(*f*).

In contending that the phrase sought to be registered functions as a trade-mark and responds to the definition of a trade-mark in section 45 of the Trade-Mark Act of 1946, applicant relies only upon the word "Geographic," which it contends is the dominant feature of the mark and has disclaimed the other words. As to this the applicant's brief states:

"Applicant here has disclaimed any right to the exclusive use of all verbiage except the word 'Geographic,' and has done this voluntarily * * *. The applicant's slogan is built around and completely dominated by the word 'Geographic.' That this word is distinctive of applicant's periodical publication has been judicially determined. (*National Geographic Society* v. *Classified Geographic, Inc., et al.*, 41 USPQ 719.)"

In distinguishing certain cases cited by the Examiner, including *Ex parte Van Raalte Co., Inc.*, 600 O. G. 675, 73 USPQ 490, the brief further states:

"In all of the cases relied on by the Examiner and in other such cases where registration has been denied, the slogan or phrase refused registration was one which was devoid of any arbitrary or distinctive feature so that it could have been properly applied to the goods of any competitor as well as those of the applicant. * * * There was no such distinctive word in any of the slogans involved in the three cases cited by the Examiner. * * *

Examination of the phrase sought to be registered indicates that it is merely a suggestion that those answering the advertisement mention the applicant's publication and thereby identify themselves and, except for the word "Geographic," might be used by any periodical which considered it appropriate. It appears that applicant concedes that any other magazine might use this or similar wording provided that some other word were substituted for "Geographic." It therefore appears to be a laudatory advertising phrase, incapable of designating the applicant's publication, except to the extent that it uses the word "Geographic." Considered in its entirety and without reference to the disclaimer the phrase would not function as a trade-mark nor respond to the definition in section 45 of the act. This definition, as applied to laudatory phrases is discussed at length in *Ex parte Booth Bottling Company, Inc.*, 620 O. G. 1266, 80 USPQ 78, and *Ex parte American Enka Corporation*, 624 O. G. 972, 81 USPQ 476 (Petition for reconsideration, 620 O. G. 974, 82 USPQ 41), and while applicant's phrase differs from those there considered to some extent the same considerations apply when examining the entire phrase.

Applicant contends, however, that the use of the term "Geographic" has become distinctive of its publication and that the public refers to its publication by that name, and that accordingly the phrase should be registered. This appears to be in effect an attempt to register one of six words making up the phrase on the theory that it dominates the entire subject matter. Whether or not "Geographic" has become recognized and is in common usage as an abbreviation of "National Geographic" and might accordingly be registered on the Principal Register under section 2(*f*) if actually used in commerce as defined in section 45, need not be considered. It may well be that as contended by the applicant, it has attained such recognition. *National Geographic Society* v. *Classified Geographic, Inc., et al.*, 41 USPQ 719; *The Coca-Cola Company* v. *Busch et al.*, 52 USPQ 377; 32 T. M. Rep. 174; see also *Coca-Cola Co.* v. *Branham et al.*, 216 Fed. 264, which states:

"Assuming that there is such a thing as a secondary trade name, the right to its exclusive use must depend upon adoption and use, just as in the case of a primary name. * * *"

It has not, however, been so used by the applicant so far as appears from the record presented. Even though the word is used by the public in referring to the magazine, it must be placed upon the goods in accordance with the definition of "use in commerce" to qualify for registration. In *Ammon & Person* v. *Narragansett Dairy Co., Limited*, 252 Fed. 276, the court in holding that "Queen of the West" was infringed by the use of the word "Queen," said:

"Whether, upon the evidence in this case, the plaintiff is entitled to rely upon infringement of its registered trade-mark 'Queen,' applied for February 8, 1912, seems doubtful, in view of the uncertainty as to whether the word 'Queen' alone had ever been affixed to goods sold by the plaintiff before that date. There is, however, sufficient evidence that before that date it had been used as a trade-name not affixed to goods. * * *"

In a later decision on the same case, 254 Fed. 208, the court stated:

"* * * Were it not for the earlier use of plaintiffs' trade-mark, 'Queen of the West,' and evidence showing that this had been abbreviated to the trade-name 'Queen,' not used as a trade-mark before 1912, the plaintiffs would be entitled to no relief."

(See also *Ammon & Person* v. *Narragansett Dairy Co., Limited*, 262 Fed. 880; *Coca-Cola Co.* v. *Branham et al.*, supra; and *The Coca-Cola Company* v. *Busch et al.*, supra.

Mere examination of the phrase sought to be registered, in my opinion, overcomes the contention that the phrase is completely dominated by the word "Geographic." The mark sought to be registered must be considered in its entirety and the inclusion of "Geographic" cannot permit the registration of a mere laudatory phrase, nor be separated from the balance of the phrase for registration by itself. This, of course, expresses no opinion as to the registrability of that word if used as a trade-mark. It cannot be found that it has been "placed in any manner on the goods or their containers or the displays associated therewith" as required by the definition of "use in commerce" in section 45 of the Trade-Mark Act of 1946.

I accordingly agree with the conclusion of the Examiner of Trade-Marks that the phrase sought to be registered is not used as a mark upon the goods, and that "Geographic" is used only as a portion of an unregistrable laudatory phrase. In agreeing with this conclusion, I have not taken into consideration the suggestion of the Examiner that it is not properly used because of the place in which it is printed in the magazine, which appears immaterial.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Quaker Hair Goods Co., 171 Ms. D. 508, 82 USPQ 445 (Sept. 12, 1949). The notation "TRUBLU" for "pressing oil, sheen oil, tar oil," etc., held unregistrable as a trade-mark under the act of 1946 in view of prior registration of the word "TRU-BLU" for "soap" under the act of 1905.

This is an appeal from the final refusal by the Examiner of Trade-Marks of an application for registration of a trade-mark on the Principal Register, under the Trade-Mark Act of 1946, for "pressing oil, sheen oil, tar oil, working oil, medicated ointment, sage pomade, wave protection, cocoanut shampoo, oil shampoo, scalp treatment, croquignole wax, and marcel wax." The mark sought to be registered consists of the word "TRUBLU."

Registration has been refused in view of a prior registration of the word "TRU-BLU" as a trade-mark for soap, under the Trade-Mark Act of 1905. It has also been refused in view of applicant's failure to comply with the Examiner's requirement that the description of goods now described as "wave protection" and "scalp treatment" be made more specific.

The mark of the application and that of the prior registration consists of the same word, even if presented in a different manner. There is no question as to priority and the only question presented for consideration is that of the similarity of the goods. Both the Examiner's statement and counsel's arguments refer to the "descriptive properties" of the goods. Under section 2 of the Trade-Mark Act of 1946, it is provided that no trade-mark shall be refused registration on account of its nature unless it * * *

"Consists of or comprises a mark which so resembles a mark registered in the Patent Office * * *, as to be likely, when applied to the goods of the applicant, to cause confusion or mistake or to deceive purchasers."

Under the act of 1905 (section 5), a prior registration could be considered as a bar to registration only when it was appropriated to merchandise of the "same descriptive properties." The elimination of this language in the new act apparently provides a more flexible test and will require refusal of registration in cases where there is likelihood of confusion, mistake, or deception, even though the goods fall into different categories, while presumably permitting registration in the case of goods which fall within the same general class, but as to which it is apparent that confusion is unlikely.

The foregoing comments are included in view of the references to the term "descriptive properties" above referred to, but probably have only a theoretical bearing on the present case. The shampoos and other products for cleansing, or similar treatment of the hair, appear so similar to soap that use of the identical mark thereon would be likely to cause confusion or mistake. Applicant refers to such cases as *Ex parte George H. Schafer Co.*, 123 Ms. D. 369, 7 T. M. Rep. 596, stating that it was there held that shaving cream did not possess the same descriptive properties as soap in the cake, and *Nulyne Laboratories* v. *Electro-Alkaline Company*, 52 App. D. C. 285, 285 Fed. 999, wherein it is stated toothpaste was held not to be of the same descriptive properties as a bleaching, cleansing, and antiseptic agent. It has, however, been held in numerous cases that there was likelihood of confusion between marks applied to various cleansing materials which do not resemble each other to as great an extent as certain of applicant's products resemble that covered by the prior registration. *The Procter & Gamble Company* v. *Comco Corporation*, 517 O. G. 821, 46 USPQ 285; *Lever Brothers Co.* v. *The Sitroux Company, Inc.*, 27 CCPA 858, 109 F.2d 445; *Huntington Laboratories, Inc.* v. *Mathieson Alkali Works (Inc.)*, 517 O. G. 823, 46 USPQ 388; *The Bon Ami Co.* v. *McKesson & Robbins, Inc.*, 25 CCPA 826, 93 F.2d 915; and *Barton Manufacturing Co.* v. *Hercules Powder Co.*, 24 CCPA 982, 88 F.2d 708. In each of these cases it was held not only that the goods possessed the same descriptive properties, but that the use of the marks involved would result in likelihood of confusion, or as in *Huntington Laboratories, Inc.* v. *Mathieson Alkali Works*, supra, that "mistake as to origin would be highly probable." Therefore, even though decided under the prior act they are considered pertinent to this case and the reasons given therein appear to apply equally to the present case.

On this appeal the applicant does not stress its contention that the requirement of more specific description of "wave protection" and "scalp treatment" was improper. The Examiner states that these terms are indefinite and might well refer to devices as well as to preparations for the hair, and that a more specific description is necessary, (1) to enable this Office to determine proper classification, and (2) to inform interested parties, including the public, the exact nature of the goods on which protection is granted. This requirement seems reasonable and proper.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Bowes Seal-Fast Corporation, 171 Ms. D. 475, 82 USPQ 382 (Sept. 2, 1949). A mark consisting of a "red rectangular panel bounded by continuous white line stepped inwardly from an extreme outer red line or border" for "rubber patches for pneumatic inner tubes for tires" held unregistrable under the act of 1946 on the ground of being merely ornamentation and therefore lacking in trade-mark significance.

This is an appeal from the final refusal of an application for registration of a trade-mark on the Principal Register under the act of 1946 for "rubber

patches for pneumatic inner tubes for tires." The mark sought to be registered is described in the application as follows:

"The trade-mark consists of the three colored lines red, white, and red around the margin of the goods, and the drawing is lined to indicate the color red, between which appears the white line. No claim is made to the representation of the goods apart from the mark."

Applicant's brief describes the mark as follows:

"The mark consists of a red rectangular panel bounded by a continuous white line stepped inwardly from an extreme outer red line or border."

The application states that it is "applied to the goods by building it therein, * * *." The mark is the coloring of the patches themselves, which are of laminated construction, so that the face of the patch is red which is surrounded by a white line formed by the second layer of that color, and which in turn is surrounded by a red line formed by the third red layer. Whatever the shape of the patch, the white line appears and maintains its identity even after long usage in the operation of a tube which has been patched.

The refusal to register was based upon the ground that the mark is merely ornamentation and, as such, lacks trade-mark significance and does not point to the source or origin of the goods. It is further suggested that it is functional. Applicant contends that the white line is not ornamental, since an ornamentation of a tire patch would be useless. Applicant also objects to the Examiner's reference to the fact that other trade-marks appear upon the face of the patch. It is, of course, true that more than one trade-mark may appear upon the same article, but the reference to the other marks is a proper subject of consideration in determining whether or not the particular mark involved does, in fact, serve as a designation of origin. *Campbell Soup Company et al. v. Armour and Company*, Court of Appeals, Third Circuit, 81 USPQ 430.

Applicant has submitted affidavits of its officers as indicating that the mark is intended to serve as a designation of origin. The intent, however, is immaterial, the question being whether or not it would be recognized as a distinguishing mark by purchasers. From an examination of the specimens themselves, it would appear, at least at first glance, that the very narrow white line surrounding the border of the patch was merely ornamental if not one which would necessarily result from the construction of the patch. This would not be conclusive if there were other facts which would demonstrate that it would be recognized as a symbol of identification. Without reviewing the affidavits in detail, it seems sufficient to state that while showing an intent on the part of the applicant to have the line so recognized, they fail to demonstrate that it would be. The finding of the Examiner that the line is a mere ornamentation must be accepted.

This is not a case of a particular combination of colors in a particular form. The white line appears whatever the shape of the patch and is not presented as a part of a particular design or distinctive emblem. In *Goodyear Tire & Rubber Co. v. The Firestone Tire & Rubber Co.*, 1917 C. D. 49, 240 O. G. 641, it was said:

"* * * A narrow blue streak on the tread of the tire of the opposer, Goodyear Company, might be a valid trade-mark, because it is at once obvious that it is put there for that purpose, and it is hard to conceive any other purpose for it; but the moment the narrow streak becomes a band broad enough to cover the whole tread of the tire it will convey the impression that the coloring of the tread is either for purposes of ornamentation or else the result of structural necessity."

In *A. Leschen & Sons Rope Company v. Broderick Bascom Rope Company*, 201 U. S. 166, 26 S. Ct. 425, 50 L. Ed. 710, the Supreme Court said:

"Whether mere color can constitute a valid trade-mark may admit of doubt. Doubtless it may, if it be impressed in a particular design, as a circle, square, triangle, a cross, or a star. But the authorities do not go farther than this."

In *Campbell Soup Company et al. v. Armour and Company*, supra, the court said:

"* * * Here, too, the law is well settled. Color is a perfectly satisfactory element of a trade-mark if it is used in combination with a design in the form, for example, of a picture or a geometrical figure. The Barbasol case is typical [160 F.2d 336, 72 USPQ 350]. Here was a package using several colors but in a distinct and arbitrary design. The mere division of a label into two background colors, as in this case, is not, however, distinct or arbitrary, and the district court so found.

"When we say that plaintiffs cannot have exclusive right to a trade-mark of a red and white label, we are by no means denying their right to acquire a trade-mark when the color is combined with other things in a distinctive design. As a matter of fact, the distinctiveness of plaintiff's packages does not depend upon color alone, although each has been granted registration of a trade-mark described in terms of color. Each has its name in one of the color bands in a uniform and specified type of script. Each has a very distinctive design on its label. * * * In denying the plaintiffs the exclusive use of color alone we are not passing upon the question whether they have acquired trade-marks entitled to protection in the sum total of the combinations which make up their respective labels for their goods."

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Joseph F. Corcoran Shoe Company, 171 Ms. D. 468, 82 USPQ 376 (Sept. 1, 1949). The notation "PARATROOP JUMP BOOTS" as a trade-mark for "boots" held unregistrable under the act of 1905 on the ground that the mark sought to be registered is devoid of trade-mark significance and therefore incapable of denoting origin in the applicant.

This is an appeal from the action of the Examiner of Trade-Marks finally refusing registration of the words "PARATROOP JUMP BOOTS" under the Trade-Mark Act of 1905, as a trade-mark for "boots." Registration was refused on the ground that the mark sought to be registered is devoid of trade-mark significance and therefore incapable of denoting origin in the applicant. In the action finally refusing registration it was said that "PARATROOP JUMP BOOTS" is "merely the name of regulation equipment especially designed for the use of paratroopers," and that "anyone who makes and offers for sale this type of boot should be able to use the term 'PARATROOP JUMP BOOTS' on his goods if he so desires, since the phrase is an ordinary and apt one for describing these goods." It is further stated that the term did not indicate origin, but that it is used "merely as the name of the goods, because the term informs the purchaser, rightly or wrongly, that the boots upon which it appears are 'paratroop jump boots'." These and other statements of that same general nature were traversed by the applicant in the prosecution of the case before the Examiner and it was contended that the mark is not descriptive, but at most suggestive.

In the Examiner's statement on appeal, however, reference is made not only to the general nature of the mark, but to an inquiry by the Examiner at the Quartermaster General's office as to whether there is a special type of boot for parachute jumping purposes, and a statement that the Examiner was informed by that office that the boots are "called paratroop jump boots and that they have to meet certain specifications." As a result of the inclusion of this statement, the applicant on the argument of this appeal presented affidavits stating that while there may have been at one time boots especially designated for parachute jumpers there are presently no such specifications and that airborne troops are issued combat boots rather than any type of boots specifically designed for parachute jumping. The affidavits further set out the nature of applicant's boots and presented much information as to the construction of such boots and the type of users thereof. The affidavit and exhibits were also intended to show distinctiveness of the name as applied to applicant's goods.

The new matter in the statement on appeal had not been presented in the course of the prosecution before the Examiner and the applicant had had no opportunity to meet it by evidence or argument at that time. The statements as to the issuance of special boots for paratroopers' use, and as to the existence of specifications therefore have accordingly been disregarded and the affidavit presented by the applicant was for that reason refused entry of record. Matters of this type should not be brought into the record for the first time on appeal.

It is, however, a matter of common knowledge, not denied by the applicant, that "Paratroop" is now a recognized word designating airborne troops. While the term does not appear in older dictionaries, it is defined in American College Dictionary, 1947 edition, as follows:

Paratroop *n.* a force or unit of paratroopers.
Paratrooper *n.* a soldier who reaches battle by landing from a plane by parachute.

That such troops must be equipped with boots is obvious even without recalling what must be a matter of common knowledge from observing such military personnel in uniform during the war. That the nature of their service required training in parachute jumping is also well known. The term "PARATROOP JUMP BOOTS" must therefore be considered as identifying the type of boots worn by paratroopers and as such is highly descriptive if not generic. That applicant's boots may not actually be sold to members of that service but may be used by members of the general public for hunting, camping, working, and under other conditions by men and boys cannot affect this obvious meaning of the term. Many types of clothing originally designed for a specified use are worn by the general public. An example occurring immediately is the sale of "cowboy boots"—also a recognized type of boot, to the general public. The fact that applicant's boots may not be worn by paratroopers would not change the descriptive nature of the mark, or if they were not of the type suitable for paratroop use would require refusal on the ground that the mark was misdescriptive. As stated by the court in *Cridlebaugh v. Montgomery Ward & Co.*, 34 CCPA 742, 158 F.2d 646:

"Even if it could be concluded that the term is misdescriptive of Cridlebaugh's device, he has no right to assert exclusive monopoly upon a descriptive term which describes the goods of others or which might fittingly be used by others in advertising and carrying out their business. See *Model Brassiere Co., Inc. v. Bromley-Shepard Co., Inc.*, 18 CCPA 1294, 49 F.2d 482, 9 USPQ 238."

The mark sought to be registered must therefore be considered to consist merely of words which are descriptive of the goods with which they are used, and as such not entitled to registration under the Trade-Mark Act of 1905.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Deering, Milliken & Co., Inc., 171 Ms. D. 483, 82 USPQ 434 (Sept. 6, 1949). The word "Milliken" written in script and superimposed upon the letter "M" as a trade-mark for "fabrics in the piece made of wool, and mixtures of wool with rayon and/or fur fibers" held unregistrable under act of 1905 on the ground that the mark presented is dominated by a surname not distinctively displayed.

Ex parte Deering, Milliken & Co., Inc., 171 Ms. D. 484, 82 USPQ 435 (Sept. 6, 1949). The notation "D M Co" in a monogram or nested form as a trade-mark under the act of 1905 for "textile fabrics in the piece, of wool, rayon, and mixtures thereof" held unregistrable in view of prior registration of the letters "D M C" under the same act for various textile goods, some of which are identical with certain of applicant's products.

Cancellation was sustained in the following case by DANIELS, *Assistant Commissioner*.

Meldon Brothers Co. v. Daisy Manufacturing Company, 171 Ms. D. 478, 82 USPQ 377 (Sept. 2, 1949), Cancellations Nos. 4957 and 4958. The marks "ATOM" and "ATOMIC" both registered under the act of 1905 for "toy guns and toy pistols" canceled on the ground of being merely descriptive or deceptively misdescriptive of the goods.

In the following cases, the opposition was dismissed by DANIELS, *Assistant Commissioner*.

The Glenn L. Martin Company v. The Munising Paper Company, 171 Ms. D. 493, 82 USPQ 439 (Sept. 8, 1949), Opposition No. 26,642. The designation "Marvalon" as a trade-mark for "fibrous material impregnated and coated with resinous material which is merchandised in roll and sheet form and adapted for uses similar to that of oilcloth" held registrable under the act of 1905 over opposer's mark "Marvinol" as applied to "plastic composition of matter in powdered, liquid, and solid form" under the same act.

The E-Z Walk Corporation v. *Harry E. Hubill (Velve Sole Corporation, assignee, substituted)*, 171 Ms. D. 491, 82 USPQ 438 (Sept. 8, 1949), Opposition No. 26,275. The notation "Vel Va-Sole," "Sole" being disclaimed, as a trade-mark under the act of 1905 for "foot exercising cushions in the nature of arch restorers" held registrable over opposer's registered mark "VELVET" under the same act for "supports for the arches and other parts of the feet and inner supporting soles."

Gillette Safety Razor Company v. *Utility Blade & Razor Co.*, 171 Ms. D. 470, 82 USPQ 373 (Sept. 1, 1949), Opposition No. 26,375. The notation "JET" held registrable as a trade-mark for razor blades under the act of 1905 over opposer's marks "JILET" and "GILLETTE" for the same goods.

The Mystic Foam Corporation v. *Magic Foam Sales Corporation*, 171 Ms. D. 465, 82 USPQ 375 (Sept. 1, 1949), Opposition No. 26,399. The words "Magic Foam" as a trade-mark under the act of 1905 for "a chemical preparation for cleaning upholstery, carpets, rugs, draperies, tapestries and other fabrics, having incidental deodorizing properties" held registrable over opposer's registered mark "MAGIC MAID" for "washing and cleaning compounds in liquid form employed in washing painted surfaces, carpets, cloth, etc.," on the ground that opposer had failed to prove prior use of his mark.

The petition was denied in the following case by DANIELS, *Assistant Commissioner:*

Ex parte McIlhenny Company, 82 USPQ 448 (Sept. 15, 1949). Scope of amendment of certificates under section 7(*d*) of the act of 1946.

This petition requests that the Examiner of Trade-Marks be directed to accept and enter an amendment to the above entitled Registration No. 280,758, registered February 24, 1931, the amendment having been presented under the provisions of section 7(*d*) of the Trade-Mark Act of 1946. The mark as originally registered discloses a representation of a flattened carton consisting of two ends and four rectangular side panels upon which appears the word "TABASCO," the word "McILHENNY," a representation of a bottle, and what the petition refers to as "miscellaneous wording." The registration contains the following disclaimer:

"Without waiving any common-law rights no claim is made for the representation of a carton, the representation of a bottle, or to the wording appearing on the drawing, with the exception of the word 'Tabasco' and the applicant's name which are specifically claimed."

The petition states that:

"* * * Minor changes have been made by the registrant in the miscellaneous wording which appears in connection with the trade-mark 'TABASCO' * * *."

The Examiner on the contrary states that the proposed changes are considered to alter the general character of the mark, a conclusion challenged by the applicant who states that there is no factual basis for such a finding. This is necessarily a matter of impression from examination of the drawings and specimens submitted. A substantial amount of wording relating to the ingredients and uses of the petitioner's product which appeared on the original carton is omitted on the one now presented, but certain other references to such matters are substituted. There is also a difference in the reference to the registration of the word "TABASCO." The representation of the bottle appears twice on the new specimens as against once on the old, the added representation taking the place of statements as to the contents and virtue of the product which appeared on the old label. From an examination of the cartons and the drawing, I agree with the Examiner of Trade-Marks that the changes are substantial with respect to the "miscellaneous wording" appearing on both specimens.

Petitioner contends, however, that this is immaterial, since all such matter was disclaimed. Nevertheless, all of this material was presented in connection with the original application for registration and appeared as part of the mark when it was published for opposition. The extent to which the presence of such "miscellaneous wording," even though disclaimed, may have influenced persons who might otherwise have opposed, is a matter of speculation. The mark was presumably considered both by the Office and by potential opposers in its entirety, and for that purpose descriptive or even disclaimed material may not be entirely disregarded. The petitioner in applying for the mark must have regarded this miscellaneous wording as having some bearing on the subject matter of the registration or it presumably would not have been included and it cannot now suggest that the registration cannot be considered from the standpoint of its over-all appearance. The changes are substantial and particularly the inclusion of such statements as "This is the only 'TABASCO'" as against a somewhat more restricted claim in the original drawing appear to me to "alter materially the character of the mark."

If, however, the petitioner's contention that the disclaimed material should be disregarded were to be accepted it would indicate that the amendment sought is not one which affects the mark actually registered and that therefore there would be no "good cause" shown for the amendment as required by section 7(*d*). On either ground, the amendment must be refused.

The petition is denied.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 25, 1949

[VOL. 627, No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,175. LABORATOIRES DU DR. N. G. PAYOT, Paris, France. Filed July 24, 1946.

"GOLDEN RAYS"

FOR SUNBURN LOTION.
Claims use since June 27, 1933.

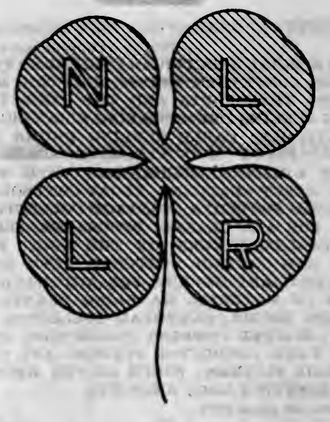
Ser. No. 508,695. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Sept. 9, 1946.

ACP

FOR CHEMICAL PREPARATIONS — (1) USED IN THE SURFACE-TREATMENT OF METALS, NAMELY: (*a*) INHIBITORS AND ACTIVATORS TO BE ADDED TO METAL PICKLING BATHS; (*b*) PREPAINT CHEMICALS FOR PREPARING METAL SURFACES TO RECEIVE ORGANIC COATINGS, INCLUDING REAGENTS WHICH STRIP THE SURFACE OF RUST AND OTHER CONTAMINANTS, REAGENTS WHICH REACT WITH METAL TO CHANGE THE CHEMICAL NATURE OF THE SURFACE, AND REAGENTS WHICH PERFORM BOTH FUNCTIONS; (*c*) SOLDERING FLUXES AND ETCHING COMPOUNDS; (*d*) RUST INHIBITORS; (*e*) COATING-METAL COMPOUNDS ADAPTED TO DEPOSIT A THIN STRATUM OF ONE METAL UPON A SUBSTRATUM OF A DIFFERENT METAL—(2) WEED KILLERS, PREPARED AS SPRAYS OR CONCENTRATES.

Claims use since Apr. 25, 1923, on surface-treating chemicals; and since June 8, 1938, on agriculutral chemicals.

Ser. No. 511,500. ALBERT PHILIP PROULX, Manchester, N. H. Filed Oct. 25, 1946.



The drawing is lined for green.
FOR LINIMENT FOR EXTERNAL USE ONLY.
Claims use since Oct. 6, 1946.

Ser. No. 515,936. CHAPMAN CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 18, 1947.

PENTA WEED KILLER

The words "Weed Killer" are disclaimed.
FOR CHEMICAL PREPARATION FOR KILLING NOXIOUS WEEDS AND PLANTS.
Claims use since Aug. 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 492,313. THE DALYTE ELECTRICAL CO. LIMITED, London, England. Filed Nov. 28, 1945.



FOR SPECIAL ELECTRICAL EQUIPMENT FOR ELEVATORS, CONVEYORS, HOISTS, ELECTRIC MOTORS, BRAKES, TRANSPORTS AND THE LIKE, TO WIT, CABLE REELING DRUMS HAVING ELECTRICAL LIMIT SWITCHES; CABLE REELING DRUMS OF ALL TYPES; SHUNT AND ULTIMATE SERIES TYPE WINCH LIMITING MECHANISMS WITH SPECIAL QUICK RESET FEATURES; FLOAT CONTROLS; CENTRIFUGAL SWITCHES; CONTACT COLLECTOR COLUMNS FOR ALL CLASSES OF CRANES, SLURRIES, TURNTABLES, MIXERS, OR THE LIKE; SPECIAL LIMIT AND CONTROL SWITCHES, PUSH BUTTONS AND AUXILIARY DEVICES FOR AUTOMATIC OPERATION OF MATERIAL HANDLING PLANTS; HOSE REELING DRUMS; OVERHEAD COLLECTOR EQUIPMENT; SLIPPER CURRENT COLLECTORS FOR USE WITH T-BAR CONDUCTOR SYSTEMS AND CONDUCTOR RAIL SYSTEMS; WINCH DRIVEN MECHANISM FOR RESETTING LIMIT SWITCHES.

Claims use since 1924.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 516,498. OAKLAND ENGINEERING COMPANY, INC., Oakland, Calif. Filed Jan. 28, 1947.

Billy Boy

FOR TRICYCLES AND VELOCIPEDES AND PEDAL CARS AND SCOOTERS AND COASTERS AND WALKERS.

Claims use since Oct. 24, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 514,497. CLARK L. ROBERTS, doing business as Valley Mound Supply Company, Nampa, Idaho. Filed Dec. 18, 1946.



Applicant disclaims the representation of the shovel or spade and the word "Corrugator" except as part of the mark shown. The representation of the man in the composite mark is fanciful and the drawing is lined and stippled for the purpose of shading only.

FOR AGRICULTURAL IMPLEMENTS — NAMELY, CORRUGATORS.

Claims use since June 1922.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 521,892. INSTITUTE OF VISUAL TRAINING, New York, N. Y. Filed May 5, 1947.



The words "Visual Training" and the representation of the reel and film are disclaimed.

FOR NEWS, INSTRUCTIONAL, EDUCATIONAL, AND DOCUMENTARY MOTION PICTURE FILMS AND SLIDES FOR SOUND AND SILENT PROJECTOR CAMERAS.

Claims use since July 1, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,166. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

Pee-Chee

FOR PAPER PACKETS AND FOLDERS FOR LOOSE WRITING PAPER AND LOOSE LEAF BINDERS.

Claims use since May 13, 1943.

CLASS 39

CLOTHING

Ser. No. 496,194. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 24, 1945.

Contro

FOR CLOTHING—NAMELY, CORSETS, FOUNDATION GARMENTS, GIRDLES, PANTIES, BRASSIÈRES, SUSPENDERS, GARTERS, GARTER BELTS, SHOES, SWIM SUITS, WOMEN'S AND GIRLS' DRESSES AND EVENING GOWNS, MEN'S AND BOYS' SUIT COATS, JACKETS, VESTS AND TROUSERS, SOCKS, HOSIERY, AND ELASTIC GARTERS AND GARMENT BELTS.

Claims use since June 18, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 485,158. ROCKWOOD & CO., Brooklyn, N. Y. Filed June 28, 1945.

ROCKWOOD'S



The drawing is lined to indicate the color red. The name "Rockwood" is disclaimed.

FOR CHOCOLATE PIECES OF SEMI-SWEET CHOCOLATE USED AS A CONFECTION AS WELL AS FOR BAKING.

Claims use since May 29, 1945.

Ser. No. 495,378. A/S GUDBEN'S KONSERVESFABRIKER, Hundested, Denmark. Filed Jan. 25, 1946.

SKANDIA

XIM-COM

FOR CANNED FISH AND CANNED CRAYFISH.

Claims use since Mar. 1, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 523,259. FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed May 29, 1947.



The word "Green-Bak" is disclaimed apart from the mark. The drawing is lined to indicate the color brown.

FOR TARPAULINS AND CANVAS COVERS USED FOR THE PROTECTION OF TRUCKS AND THEIR LOADS, MERCHANDISE PILED ON DOCKS, WHARVES AND RAILROAD STATION PLATFORMS READY FOR SHIPMENT, AGRICULTURAL FIELD IMPLEMENTS AND MACHINES, HAY AND GRAIN STACKS AND SHOCKS OF GRAIN IN FIELDS, AND BASEBALL AND FOOT BALL FIELDS.

Claims use since Nov. 19, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 516,553. Lowe Seed Company, Aroma Park, Ill. Original filed, act of 1905, Jan. 29, 1947; amended to application under act of 1946, Principal Register, Feb. 20, 1948.

MOO-MIX



FOR HYBRID SEED CORN.
Claims use since Jan. 8, 1943.

Ser. No. 522,280. Fred Dabrowski, doing business as The Greylock Sand & Gravel Co., Adams, Mass. Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Nov. 22, 1948.

GREYLOCK

FOR VARIOUS RAW MATERIALS SUCH AS GRIT, PIECE STONE, SAND, AND GRAVEL, RESPECTIVELY, SOLD IN BAGS.
Claims use since Apr. 23, 1947.

Ser. No. 556,820. Sawyer Tanning Company, Napa, Calif. Filed May 11, 1948. Under section 2f of the act of 1946.

NAPAKROM

Applicant claims ownership of Registration No. 412,609.
FOR LEATHER.
Claims use since May 25, 1917.

Ser. No. 560,282. J. E. Ohlsens Enke, Copenhagen, Denmark. Filed June 26, 1948.

CAVALLIUS

FOR SEEDS, PLANTS, AND HERBS NOT FOR FOOD.
Claims use since Dec. 1, 1939.

Ser. No. 562,666. L. A. Rockler Fur Company, Minneapolis, Minn. Filed Aug. 2, 1948.

CITATION

FOR FUR SKINS, DRESSED AND UNDRESSED OR IN THE PIECE.
Claims use since July 1, 1948.

Ser. No. 562,697. Great Lakes Carbon Corporation, New York, N. Y. Filed Aug. 3, 1948.

DICALITE

Applicant claims ownership of Registrations Nos. 277,506, 277,507, 276,484, and 277,916.
FOR DIATOMACEOUS EARTH MATERIALS.
Claims use since Mar. 1, 1930.

Ser. No. 562,698. Great Lakes Carbon Corporation, New York, N. Y. Filed Aug. 3, 1948.

DICALITE

Applicant claims ownership of Registrations Nos. 277,506, 277,507, 276,484, and 277,916.
FOR DIATOMACEOUS EARTH, KIESELGUHR, AND INFUSORIAL EARTH IN LUMPS OR PULVERIZED FORM, MORE OR LESS DRIED, USED IN THE PREPARATION OF FILTER AIDS, FILLERS, HEAT INSULATION, CONCRETE ADMIXTURES, ABSORBENTS, AND POLISHES.
Claims use since Nov. 5, 1929.

Ser. No. 562,705. The Griess-Pfleger Tanning Co., Waukegan, Ill. Filed Aug. 3, 1948.

TIPSI

Applicant claims ownership of Registration No. 234,477.
FOR LEATHER.
Claims use since Apr. 15, 1927.

Ser. No. 562,706. The Griess-Pfleger Tanning Co., Waukegan, Ill. Filed Aug. 3, 1948.

FROSTED

Applicant claims ownership of Registration No. 227,443.
FOR LEATHER.
Claims use since Feb. 20, 1926.

Ser. No. 563,100. Atkins & Durbrow, Inc., New York, N. Y. Filed Aug. 10, 1948.

JUBILEE

FOR PEAT MOSS FOR USE AS POULTRY LITTER, STABLE BEDDING, HOOF STUFFING, ETC.
Claims use since Aug. 6, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 555,251. Dabs Creations, Inc., Chicago, Ill. Filed Apr. 22, 1948.

A DABS CREATION

The word "Creation" is disclaimed apart from the mark.
FOR LEATHER AND IMITATION LEATHER CASES, SOLD EMPTY—NAMELY, PLAYING CARD CASES, COSMETIC CASES, UTILITY CASES OR BAGS FOR CARRYING BABIES' ACCESSORIES, PURSES, TRUNKS, OVERNIGHT BAGS, MEN'S AND WOMEN'S SUITCASES, AND WALLETS.
Claims use since Feb. 9, 1948.

Ser. No. 557,235. Aetna Leather Novelty Co., Union City, N. J. Filed May 18, 1948.

SMART . . . STYLED



HANDBAGS

The words "Smart Styled Handbags" are disclaimed. The mark consists of a reproduction of a mountain against a circular background together with the words "Smart Styled Handbags."
FOR HANDBAGS.
Claims use since Mar. 17, 1941.

Ser. No. 565,324. Dura Products, Inc., New York, N. Y. Filed Sept. 17, 1948.

SWIFTY
All-Purpose BAG



PACKED IN A MINUTE
CLOSED IN A SECOND

The phrase "All-Purpose Bag," and the slogan "Packed in a Minute Closed in a Second," and the representation of the bag are disclaimed apart from the mark.
FOR LUGGAGE ITEMS—NAMELY, SUITCASES, VALISES, FURLOUGH BAGS, AND BEACH BAGS.
Claims use since February 1948.

Ser. No. 575,488. Randolph-Rand Sales Co., Inc., New York, N. Y. Filed Mar. 15, 1949.



FOR HANDBAG FRAMES.
Claims use since Feb. 1, 1947.

Ser. No. 575,696. Bernard Cahn Co., Inc., New York, N. Y. Filed Mar. 19, 1949.

JACK-POT

FOR WOMEN'S PURSES, WALLETS, COMBINATION WALLETS AND PURSES, UTILITY PURSES AND UTILITY WALLETS.
Claims use since Apr. 8, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 528,680. ARMOUR AND COMPANY, Chicago, Ill. Filed July 16, 1947.

LIGHTHOUSE

FOR POWDER CLEANSERS USED FOR REMOVING DIRT FROM KITCHEN UTENSILS AND FOR GENERAL CLEANING PURPOSES.
Claims use since April 1928.

Ser. No. 552,931. ARMOUR AND COMPANY, Chicago, Ill. Filed Mar. 25, 1948.

Formula **#99**

The word "Formula" is disclaimed apart from the mark as shown.
FOR ANTISEPTIC LIQUID SOAP.
Claims use since June 1934.

Ser. No. 556,474. PERFUMERIA GAL, S. A., Madrid, Spain. Filed May 7, 1948.



The portrait of the lady is fanciful. No claim is made to the word "Madrid" apart from the mark as shown. Applicant claims ownership of Spanish Registration No. 44,136, dated Apr. 10, 1923.
FOR TOILET SOAPS, SHAVING SOAPS, AND LIQUID AND POWDERED SHAMPOO PREPARATIONS HAVING A SOAP BASE.

Ser. No. 557,767. PERFUMERIA GAL, S. A., Madrid, Spain. Filed May 25, 1948.



No claim is made to the word "Madrid" apart from the mark. The representation of the lady is fanciful. Applicant claims ownership of Spanish Registration No. 49,777, dated Sept. 23, 1947.
FOR TOILET AND SHAVING SOAPS, AND LIQUID AND POWDERED SHAMPOO PREPARATIONS HAVING A SOAP BASE.

Ser. No. 558,184. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed May 29, 1948.

VICARease

FOR HAND CLEANSER IN POWDER FORM.
Claims use since Apr. 17, 1948.

Ser. No. 561,291. CAMPANA SALES COMPANY, Batavia, Ill. Filed July 14, 1948.

Star Fire

FOR TOILET SOAP.
Claims use since Jan. 13, 1948.

CLASS 5

ADHESIVES

Ser. No. 542,395. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

ARROW

Applicant claims ownership of Registration No. 361,042.
FOR GUMMED PAPER TAPE.
Claims use since May 2, 1938.

Ser. No. 542,722. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 7, 1947.

WINDO - SHO

Applicant claims ownership of Registration No. 253,170.
FOR GUMMED PAPER TAPE.
Claims use since Mar. 1, 1925.

Ser. No. 557,681. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 24, 1948.

SANTOSEAL

FOR ADHESIVE CEMENTS.
Claims use since Apr. 15, 1948.

Ser. No. 558,588. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed June 5, 1948.

Pabcohesive

FOR SOLVENT-TYPE ADHESIVE FOR JOINING ARTICLES TO WOOD, METAL, CONCRETE, OR PLASTER SURFACES.
Claims use since August 1938.

Ser. No. 560,341. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed June 28, 1948.

MONSANTO

FOR ADHESIVE CEMENTS.
Claims use since 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 508,242. THE PHARMA-CRAFT CORPORATION, New York, N. Y. Original filed, act of 1905, Aug. 29, 1946; amended to application under act of 1946, Principal Register, Oct. 23, 1948.

FRESHY

Applicant claims ownership of Registration No. 164,478.
FOR DEODORANT AND ANTIPERSPIRANT.
Claims use since July 15, 1946.

Ser. No. 510,628. WASATCH CHEMICAL COMPANY, Salt Lake City, Utah. Original filed, act of 1905, Oct. 10, 1946; amended to application under act of 1946, Principal Register, Dec. 6, 1948.

WASCO

FOR DISINFECTANT, DEODORANT AND BLEACHING COMPOUND.
Claims use since May 1, 1936.

Ser. No. 518,348. DEXTER CHEMICAL CORPORATION, New York, N. Y. Original filed, act of 1905, Mar. 1, 1947; amended to application under act of 1946, Principal Register, Feb. 21, 1948.

DEXTROL

FOR WATER SOLUBLE OILS, SOFTENERS, AND DYE LEVELING AGENTS, ALL FOR USE IN TREATING TEXTILES.
Claims use since Jan. 3, 1946.

Ser. No. 531,719. FRANK H. ROBERTSON, Forest Hills, N. Y. Filed Aug. 18, 1947.

TITE · N · TINT

No claim is made to the word "Tint" apart from the mark shown.
FOR DYEING ACCESSORY IN THE NATURE OF A MORDANT.
Claims use since April 1947.

Ser. No. 532,491. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Aug. 26, 1947.

Lilt

Applicant claims ownership of Registrations Nos. 421,370 and 267,841.
FOR COSMETIC CREAM.
Claims use since July 26, 1946.

Ser. No. 536,128. M. W. PARSONS, IMPORTS AND PLYMOUTH ORGANIC LABORATORIES, INC., New York, N. Y. Filed Sept. 29, 1947.

PLYMOUTH

Applicant claims ownership of Registration No. 276,359.
FOR METALLIC SOAPS—NAMELY, ZINC STEARATE, ALUMINUM STEARATE, MAGNESIUM STEARATE, CALCIUM STEARATE, ALSO WHITE MINERAL OILS FOR USE IN COSMETICS, MINERAL WAXES FOR USE IN COSMETICS, RICE STARCH, MAGNESIUM CARBONATE, GLYCERIN, LANOLIN, PETROLATUM, COCOANUT OIL, SPERMACETI, MEDICINAL WHITE OILS AND PERFUME OILS, ALSO ZINC OXIDE, KAOLIN, COCOA BUTTER AND TALC FOR USE IN COSMETICS AND PHARMACEUTICALS.
Claims use since 1910.

Ser. No. 536,402. C. M. KIMBALL CO., Boston, Mass. Filed Oct. 1, 1947.

RED CAP

The drawing is lined for the color red. Applicant claims ownership of Registrations Nos. 168,394, 305,695, and 372,173.
FOR AMMONIA, BLUING, WASHING FLUID, DISINFECTANT AND BLEACH, AND GERMICIDE.
Claims use since Mar. 24, 1922.

Ser. No. 537,216. FLORENCE E. MORRIS, Pittsburgh, Pa. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

MADAM MARTHA D. DAVIS

The name "Martha D. Davis" is the name of applicant's deceased mother.
FOR PREPARATIONS FOR TREATING THE HAIR AND SCALP.
Claims use since 1923.

Ser. No. 538,396. THE FYR-FYTER COMPANY, Dayton, Ohio. Filed Oct. 20, 1947. Under section 2f of the act of 1946.

Fyr-Fyter

Applicant claims ownership of Registrations Nos. 368,384 and 372,346.
FOR FIRE EXTINGUISHING CHEMICALS.
Claims use since Mar. 18, 1916.

Ser. No. 545,085. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Dec. 22, 1947.

KUBAK

In the drawing, the lining is to indicate shading only.
FOR SHAMPOO.
Claims use since Nov. 1, 1918.

Ser. No. 547,158. SOCIETE ANONYME, BIENAIME, Paris, France. Filed Jan. 15, 1948.

Caravane

Applicant claims ownership of French Registration No. 311,058, dated Oct. 30, 1936, and United States Registration No. 365,928.
FOR PERFUMES, FACE CREAMS, ROUGE, BRILLIANTINE, SKIN LOTION.

Ser. No. 547,162. SOCIETE ANONYME, BIENAIME, Paris, France. Filed Jan. 15, 1948.

Sur les Cimes

Applicant claims ownership of French Registration No. 299,428, dated Feb. 26, 1935.
FOR PERFUMES, FACE CREAMS, ROUGE, SKIN LOTION.

Ser. No. 548,219. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 29, 1948. Under section 2f of the act of 1946.

TAROXIDE

FOR MEDICATED OINTMENT FOR TREATMENT OF ECZEMA.
Claims use since 1929.

Ser. No. 550,297. BEAUTYMASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis. Filed Feb. 21, 1948.

DERMA-VEIL

The word "Derma" is disclaimed apart from the mark as shown.
FOR CREAM POWDER BASE.
Claims use since Feb. 17, 1945.

Ser. No. 552,758. CUTTER LABORATORIES, Berkeley, Calif. Filed Mar. 23, 1948.

PENEDRIN

FOR CRYSTALLINE PENICILLIN AND VASOCONSTRICTOR.
Claims use since Feb. 18, 1948.

Ser. No. 552,889. SPIRITTINE CHEMICAL COMPANY, Wilmington, N. C. Filed Mar. 24, 1948.

Spirittine

Applicant claims ownership of Registrations Nos. 51,500, 259,984, and 260,161.
FOR DISINFECTANTS, NOSE SPRAY, PINE HEALING OIL, DEODORANTS, INSECTICIDES, TERMITE OIL, AND CREOSOTE.
Claims use since 1900.

Ser. No. 554,067. ALCO OIL & CHEMICAL CORP., Philadelphia, Pa. Filed Apr. 8, 1948.

TRENAMINE

FOR WETTING AND PENETRATING AGENTS FOR USE IN THE PROCESSING OF TEXTILES, PAPER, LEATHER, AND FELTS, AS ASSISTANTS TO AQUEOUS SOLUTIONS USUALLY CONTAINING OTHER MATERIALS OR CHEMICALS WHICH PRODUCE COLORATION, STIFFENING, SOFTENING, FIRE-RETARDANT PROPERTIES, COATINGS, OR DIMENSIONAL STABILIZATION.
Claims use since Apr. 18, 1941.

Ser. No. 554,068. ALCO OIL & CHEMICAL CORP., Philadelphia, Pa. Filed Apr. 8, 1948.

VULCANOL

FOR COATING, IMPREGNATING, AND BINDING AGENTS FOR USE IN THE PROCESSING OF TEXTILES, PAPER, LEATHER, AND/OR FELT TO OBTAIN A DESIRED PHYSICAL MODIFICATION THEREOF INCLUDING, WITHOUT LIMITATION, THE PRODUCTION ON TEXTILES AND FELTS OF A COATING RESISTANT TO MECHANICAL REMOVAL AND WHICH INCREASES THE LIFE THEREOF BY BINDING THE YARNS OR FIBERS INCORPORATED THEREIN IN PLACE, THE PRODUCTION OF A GLOSSY, SEMI-TRANSPARENT, WATER-FAST COATING ON PAPER, THE PRODUCTION OF PAPER CHARACTERIZED BY GREATLY INCREASED FLEX-LIFE, THE PRODUCTION OF PAPER HAVING IMPROVED WET STRENGTH, AND THE PRODUCTION OF A DURABLE, LUSTROUS, SEMI-TRANSPARENT COATING ON SOFT LEATHER WHICH INCREASES ITS RESISTANCE TO MARRING AND ABSORPTION OF WATER.
Claims use since 1930.

Ser. No. 554,152. THE POLYMER CORPORATION, Reading, Pa. Filed Apr. 8, 1948.

NYLATINT

FOR COLORING COMPOUNDS INCORPORATING DYES FOR COLORING MOLDED, CAST, AND EXTRUDED NYLON.
Claims use sine Sept. 26, 1946.

Ser. No. 554,689. N. V. AMSTERDAMSCHE CHININEFABRIEK, Amsterdam, Holland. Filed Apr. 15, 1948.

QUINIPLEX

Applicant claims ownership of Dutch Registration No. 89,552, dated Aug. 16, 1947.
FOR MEDICINE TO PREVENT MALARIA-RECIDIVISMS.

Ser. No. 557,280. THE SORGOS COMPANY, Havre de Grace, Md. Filed May 18, 1948.

SORGOS

FOR DENTAL COUNTERIRRITANT IN THE FORM OF A POULTICE.
Claims use since January 1947.

Ser. No. 557,692. ROCKWELL LABORATORIES, INCORPORATED, Kansas City, Mo. Filed May 24, 1948.

Di-Per-X

FOR NON-SAPONACEOUS DISINFECTANT AND DEODORANT PREPARATION FOR TREATING DIAPERS.
Claims use since Apr. 5, 1948.

Ser. No. 557,802. LOUIS I. WEINER, doing business as Tablax Company, New York, N. Y. Filed May 25, 1948.

BILCO

FOR VAGINAL CONTRACEPTIVE PREPARATIONS.
Claims use since 1941.

Ser. No. 559,251. SHELL CHEMICAL CORPORATION, New York, N. Y. Filed June 15, 1948.



Applicant claims ownership of Registration No. 297,633.
FOR ALCOHOLS, KETONES, AMMONIA, AND SOIL FUMIGANT.
Claims use since Jan. 30, 1948.

Ser. No. 561,899. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed July 22, 1948.

Millical

FOR PRECIPITATED CALCIUM CARBONATE.
Claims use since January 1935.

Ser. No. 562,189. I. C. & P. DISTRIBUTORS, Seattle, Wash. Filed July 28, 1948.

COMP-O-MINS

FOR MINERAL COMPOUND—NAMELY, SUPPLEMENTAL FOOD ELEMENTS FOR HUMAN CONSUMPTION IN TABLET OR POWDERED FORM.
Claims use since July 15, 1947.

Ser. No. 563,761. J. STRICKLAND AND CO., Memphis, Tenn. Filed Aug. 19, 1948.

Leap Year

FOR PERFUME.
Claims use since Aug. 9, 1948.

Ser. No. 566,950. NORTON CORPORATION, New York, N. Y. Filed Oct. 13, 1948.

SURAL

FOR TABLETS FOR RELIEF OF RHEUMATISM AND ARTHRITIS.
Claims use since Aug. 17, 1948.

Ser. No. 567,438. SUMCO PRODUCTS, INC., Brooklyn, N. Y., and San Francisco, Calif. Filed Oct. 21, 1948.

TURBOKLEEN

FOR SOLVENT FOR CLEANING TURBINE LUBRICATING OIL SYSTEMS AND DIESEL LUBRICATING SYSTEMS.
Claims use since 1946.

Ser. No. 567,479. ABBOTT LABORATORIES, North Chicago, Ill. Filed Oct. 22, 1948.

SORLATE

FOR EMULSIFYING AGENT INTENDED FOR PROMOTION OF INTERNAL ABSORPTION OF FATS AND FAT-SOLUBLE SUBSTANCES.
Claims use since Oct. 5, 1948.

Ser. No. 567,723. SUN OIL COMPANY, Philadelphia, Pa. Filed Oct. 27, 1948.

SUN LUBEWAY

FOR SPECIAL HYDRAULIC FLUID FOR OPERATING MACHINE TOOLS.
Claims use since Sept. 29, 1948.

Ser. No. 568,261. SCHERING CORPORATION, Bloomfield, N. J. Filed Nov. 5, 1948.

HORMOVIT

FOR MEDICINAL PREPARATION CONTAINING A COMBINATION OF HORMONES AND VITAMINS.
Claims use since Sept. 2, 1948.

Ser. No. 569,508. EDWINA CRYSTAL, doing business under the name of Princess Products, Newark, N. J. Filed Nov. 27, 1948.

Princess Edwina

FOR COSMETICS—NAMELY, PERFUME, LIPSTICK, ROUGE, FACE POWDER, TOILET WATER, HAND CREAM, FACE CREAM, DEODORANT, HAIR STRAIGHTENER, MASCARA, NAIL POLISH, POMADE, AND POLISH REMOVER.
Claims use since Nov. 4, 1947.

Ser. No. 569,728. WEST INDIES BAY COMPANY, Minneapolis, Minn. Filed Dec. 1, 1948.



The words "Bay Rum" are disclaimed.
FOR BAY RUM.
Claims use since Sept. 17, 1948.

Ser. No. 569,897. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 3, 1948.

SHARCILLIN

FOR PENICILLIN PREPARATION.
Claims use since Nov. 30, 1948.

Ser. No. 581,351. CHAS. PFIZER & CO., INC., Brooklyn, N. Y. Filed June 30, 1949.

PRONAPEN

FOR MIXTURE OF PENICILLIN SALTS FOR AQUEOUS INJECTION PURPOSES.
Claims use since June 10, 1949.

CLASS 7

CORDAGE

Ser. No. 572,848. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Jan. 26, 1949.

ALL TY BRAND

The words "Ty" and "Brand" are disclaimed apart from the mark.
FOR TWINE.
Claims use since Jan. 18, 1949.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 558,011. COURTIER COMPANY LIMITED, Croydon, England. Filed May 28, 1948.



COURTIER

The portrait is fanciful.
FOR TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, CIGAR, CIGARETTE, AND PIPE CASES, ASH TRAYS, CIGARETTE BOXES, PIPE CLEANERS, AND LIGHTERS.
Claims use since Oct. 23, 1946.

Ser. No. 559,552. W. & J. SLOANE, New York, N. Y. Filed June 17, 1948.



The words "The" and "Shop" are disclaimed.
FOR ASH TRAYS AND CIGARETTE BOXES.
Claims use since Apr. 27, 1948.

Ser. No. 564,979. JOHN W. TURULIS, doing business as J. T. Manufacturing Company, Gary, Ind. Filed Sept. 10, 1948.

RING-IT

FOR ASH TRAYS.
Claims use since Feb. 18, 1948.

CLASS 10

FERTILIZERS

Ser. No. 563,853. HAYES-SAMMONS COMPANY, Mission, Tex. Filed Aug. 23, 1948.

MISSION BRAND

The word "Brand" is disclaimed.
FOR FERTILIZERS AND SOIL SULPHUR.
Claims use since Aug. 22, 1934.

Ser. No. 563,854. HAYES-SAMMONS COMPANY, Mission, Tex. Filed Aug. 23, 1948.

TEXSUN

FOR FERTILIZERS AND SOIL SULPHUR.
Claims use since Aug. 17, 1948.

Ser. No. 573,135. MINDEN COTTON OIL & ICE COMPANY, LTD., Minden, La. Filed Feb. 1, 1949.



FOR FERTILIZER.
Claims use since November 1946.

Ser. No. 575,430. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 14, 1949.

FUR-AG

FOR FURFURAL RESIDUE USED AS A CONDITIONER IN MIXED FERTILIZERS.
Claims use since Oct. 30, 1948.

Ser. No. 576,144. SOUTHERN ACID & SULPHUR COMPANY, INCORPORATED, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Mar. 26, 1949.

WHITE DIAMOND

Applicant claims ownership of Registration No. 96,928.
FOR FERTILIZERS.
Claims use since February 1902.

Ser. No. 576,168. SOUTHERN ACID & SULPHUR COMPANY, INCORPORATED, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Mar. 26, 1949.

SASCO

FOR SULPHUR IN POWDER AND GRANULATED FORM FOR FERTILIZERS USED IN AGRICULTURE AS PLANT FOOD.
Claims use since 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 530,567. ROCK-TRED CORPORATION, Chicago, Ill. Filed Aug. 5, 1947.

ROCK CRETE

Applicant claims ownership of Registration No. 421,744.
FOR READY MIXED ASPHALT FLOOR SURFACER.
Claims use since May 1943.

Ser. No. 544,107. REFRACTORIES DEVELOPMENT COMPANY, Pittsburgh, Pa. Filed Dec. 11, 1947.

PYROFRAC

FOR REFRACTORY COMPOSITION COMPRISING A MIXTURE OF THE MINERAL PYROPHYLLITE AND BONDING CLAY.
Claims use since Oct. 24, 1947.

Ser. No. 553,059. AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

SISALKRAFT

Applicant claims ownership of Registrations Nos. 209,188, 285,207, and 387,270.
FOR REENFORCED PAPER USED AS A BUILDING OR SHEATHING PAPER.
Claims use since May 19, 1925.

Ser. No. 555,835. OIL BASE, INC., Compton, Calif. Filed Apr. 29, 1948.



The drawing is lined to indicate the color red.
FOR OIL BASE DRILLING FLUID.
Claims use since July 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 495,471. GROVE REGULATOR COMPANY, Oakland, Calif. Original filed, act of 1905, Jan. 26, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1948. Under section 2f of the act of 1946.

GROVE

FOR FLUID FLOW CONTROLLING DEVICES—NAMELY, MANUALLY AND MECHANICALLY OPERATED VALVES, AUTOMATIC PRESSURE RELIEF VALVES, AND AUTOMATIC PRESSURE REGULATING VALVES.
Claims use since Feb. 1, 1935.

Ser. No. 528,485. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed July 12, 1947.

J&L

FOR METAL FENCING.
Claims use since 1941.

Ser. No. 533,801. WESTERN STEEL FIXTURE CORP., Dallas, Tex. Filed Sept. 8, 1947.

MIL-MAR

FOR KITCHEN SINKS.
Claims use since July 1, 1947.

Ser. No. 555,038. THE ANTHONY COMPANY, Long Island, N. Y. Filed Apr. 20, 1948.

ANTHONY

Applicant claims ownership of Registration No. 149,563.
FOR CHECK-VALVES, TIRE-VALVES, AND LIQUID-STRAINERS.
Claims use since May 1, 1910.

Ser. No. 564,026. U. S. EXPANSION BOLT CO., York, Pa. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

"LOKTITE"

Applicant claims ownership of Registration No. 382,360.
FOR TOGGLE BOLTS.
Claims use since Jan. 17, 1936.

Ser. No. 566,838. THE JOHNSON CORPORATION, Three Rivers, Mich. Filed Oct. 7, 1948.

ELECTRAP

FOR RETURN TRAPS.
Claims use since 1937.

Ser. No. 567,704. MARSHALL FIELD & COMPAN, also doing business as Frederick & Nelson, Chicago, Ill., and Seattle, Wash. Filed Oct. 27, 1948.

F&N

FOR ALUMINUM CULINERY UTENSILS—NAMELY, COFFEE PERCOLATORS, DRIP COFFEE MAKERS, TEA KETTLES, DOUBLE BOILERS, AND SAUCE PANS.
Claims use since June 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 566,211. CARNEGIE-ILLINOIS STEEL CORPORATION, Pittsburgh, Pa. Filed Oct. 1, 1948.

SUPERKORE

Applicant claims ownership of Registration No. 306,323.
FOR STEEL INGOTS, BARS, PLATES, AND SEMI-FINISHED FORMS.
Claims use since July 11, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 543,976. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed Dec. 10, 1947.

NEWPORT

Applicant claims ownership of Registration No. 265,623.
FOR TURPENTINE.
Claims use since September 1916.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 550,867. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

Copenhagen

FOR SNUFF.
Claims use since Sept. 18, 1894.

Ser. No. 550,872. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

MODEL



FOR SMOKING TOBACCO.
Claims use since July 2, 1927.

Ser. No. 550,875. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

RIGHT-CUT

FOR CHEWING TOBACCO.
Claims use since Dec. 27, 1912.

Ser. No. 550,878. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948. Under section 2f of the act of 1946.



FOR SNUFF.
Claims use since Apr. 26, 1899.

Ser. No. 553,456. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed June 4, 1948.



Applicant claims ownership of Registrations Nos. 317,709 and 319,567.
FOR CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since Nov. 15, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 505,744. FARIES MANUFACTURING COMPANY, Decatur, Ill., assignor to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois (a new corporation). Original filed, act of 1905, July 17, 1946; amended to application under act of 1946, Principal Register, June 9, 1948.



FOR ELECTRIC LAMPS—NAMELY, FLOOR LAMPS, BED LAMPS, DESK LAMPS, TABLE LAMPS, FLEXIBLE ARM LAMPS, PULPIT LAMPS, PICTURE REFLECTOR LAMPS, AND PARTS THEREOF; CARBON STEREOPTICON BULBS, ELECTRIC INCANDESCENT LAMP BULBS; METAL SHADES AND REFLECTORS FOR ELECTRIC LAMPS; AND COMBINATION DAYLIGHT SCREEN AND SHADE FOR ELECTRIC LAMPS.
Claims use since Apr. 10, 1946.

Ser. No. 513,562. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, Dec. 18, 1948.

The GENERAL BATTERY
SUPER THREE
FAST CHARGER

The words "The Battery," "Fast Charger," and "Super" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 419,407.
FOR STORAGE BATTERY CHARGERS.
Claims use since Aug. 1, 1946.

Ser. No. 517,011. H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich. Original filed, act of 1905, Feb. 5, 1947; amended to application under act of 1946, Principal Register, July 2, 1948. Under section 2f of the act of 1946.

WEDGE-GRIP

FOR ELECTRICAL CONNECTORS.
Claims use since July 1, 1934.

Ser. No. 541,111. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Nov. 14, 1947.

Melodea Glamour

FOR ELECTRIC HORNS.
Claims use since February 1940.

Ser. No. 546,381. GARFIELD MANUFACTURING COMPANY, Garfield, N. J. Filed Jan. 7, 1948.



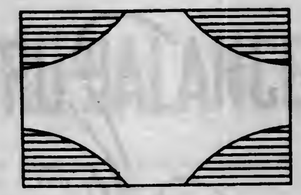
FOR ELECTRICAL EQUIPMENT—NAMELY, CASTINGS AND MOLDINGS MADE OF RUBBER, PLASTIC, AND CERAMIC MATERIAL FOR ELECTRICAL SWITCHES AND SWITCH BOXES, WALL BOXES, RELAYS, ELECTRICAL FUSES, BASE PLUGS, ADAPTER PLUGS, CONNECTOR PLATES, PUSH BUTTONS, JACKS, CIRCUIT BREAKERS, FLASHERS, SOCKETS, INSTRUMENT PANELS, INSULATOR PLUGS AND JUNCTION BLOCKS, INSULATORY COVERINGS FOR ELECTRICAL CONDUIT FITTINGS, ELECTRICAL CONDUIT OUTLET COVERS, THERMO-COUPLE HEADS, ELECTRICAL TOASTER BASES, TERMINAL POST INSULATORS; INSULATED HANDLES AND CONNECTOR PLUGS FOR ELECTRICAL DEVICES—NAMELY, ELECTRICAL COOKING UTENSILS, COVERS AND BASES FOR ELECTRIC IRONS, TOASTERS, AND PERCOLATORS; INSULATED TERMINAL BLOCKS, BUSHINGS AND CLEATS FOR ELECTRICAL MOTORS, PANELS, BASE BLOCKS, THIRD RAIL INSULATORS; AND PARTS OF ALL SAID CASTINGS AND MOLDINGS; MAGNET SPOOLS, MAGNET CORES, MAGNET SUPPORTS, ARMATURE COIL SUPPORTS, ARC DEFLECTORS AND BARRIERS AND COMMUTATOR RINGS.
Claims use since 1919.

Ser. No. 549,820. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 16, 1948.

"Sierra Trijohn"

FOR ELECTRICAL APPARATUS—NAMELY, RECEPTACLES.
Claims use since May 1947.

Ser. No. 553,637. OLIN INDUSTRIES, INC., New Haven, Conn. Filed Apr. 1, 1948.



The horizontal interlining is part of the mark and is not intended to indicate color.
FOR DRY CELL BATTERIES AND HANDLAMPS.
Claims use since Feb. 13, 1948.

Ser. No. 553,659. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio. Filed Apr. 1, 1948.

STOCK PRESERVER

FOR STORAGE BATTERY CHARGERS.
Claims use since Mar. 4, 1948.

Ser. No. 553,662. AMERICAN LAVA CORPORATION, Chattanooga, Tenn. Filed Apr. 2, 1948.

ALCO

FOR INSULATORS—NAMELY, ELECTRICAL INSULATORS.
Claims use since July 20, 1935.

Ser. No. 556,935. WEBSTER-CHICAGO CORPORATION, Chicago, Ill. Filed May 12, 1948.

Electronic Memory

No registration rights in and to the word "Electronic" apart from the mark as shown are claimed.
FOR APPARATUS FOR ELECTRICALLY RECORDING SOUND UPON WIRE AND/OR ELECTRICALLY REPRODUCING SOUND FROM WIRE.
Claims use since Apr. 26, 1948.

Ser. No. 557,815. AIRLECTRON CO., Caldwell, N. J. Filed May 26, 1948.

Speak-EZ

The word "Speak" is disclaimed.
FOR TELEPHONIC INTERCOMMUNICATION APPARATUS.
Claims use since June 26, 1947.

Ser. No. 563,700. THE SWARTBAUGH MANUFACTURING COMPANY, Toledo, Ohio. Filed Aug. 18, 1948.



Applicant claims ownership of Registration No. 439,399.
FOR DOMESTIC ELECTRIC COOKERS, ROASTERS, AND RANGES.
Claims use since July 19, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 532,824. AMRAM HADDAD, New York, N. Y. Filed Aug. 29, 1947.

MARCIE

FOR COMPOSITION AND PLASTIC DOLLS.
Claims use since Jan. 2, 1947.

Ser. No. 538,870. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan. Filed Oct. 24, 1947. Under section 2f of the act of 1946.

ALTOONA

FOR FISHING REELS.
Claims use since June 1932.

Ser. No. 542,530. BUFFALO HOBBY HAVEN, Buffalo, N. Y. Filed Nov. 28, 1947.

"Easycraft"

FOR KITS CONTAINING VARIED ASSORTMENTS OF LEATHER, WOOD, PLASTICS, CORK, FELT, RUBBER, BEADS, CERAMICS, CLAY, GLAZES, ARCHERY, LACINGS, METAL, LACQUERS, PAINTS, PLASTER, CHEMICALS, GLASS, AND SHELLS, FOR CHILDREN'S USE IN MAKING TOYS.
Claims use since July 1, 1933.

Ser. No. 556,663. SOUTH BEND BAIT COMPANY, South Bend, Ind. Filed May 10, 1948.

NIP-I-DIDDEE

FOR FISHING RODS, FISHING REELS, FISHING LINES, AND ARTIFICIAL FISH BAITS AND LURES.
Claims use since Mar. 15, 1948.

Ser. No. 560,264. LEONARD F. HELBIG, JR., doing business as L. F. Helbig Co., Philadelphia, Pa. Filed June 26, 1948.



FOR FISHING RODS AND LEADER LINE.
Claims use since Mar. 1, 1948.

Ser. No. 561,182. HENRY MODELL & CO., INC., New York, N. Y. Filed July 10, 1948. Under section 2f of the act of 1946.

Modell's

FOR CHILDREN'S SLEDS, SCOOTERS, VELOCIPEDES.
Claims use since 1916.

Ser. No. 561,690. SCOOTERPOOPER SALES, INC., Columbia, S. C. Filed July 19, 1948.

Scooterpooper

FOR ARTIFICIAL FISH BAIT OR LURE.
Claims use since Apr. 10, 1946.

Ser. No. 563,423. C. RAY LAWYER, doing business as C. Ray Lawyer Companies, Berkeley, Calif. Filed Aug. 14, 1948.

RANGELAND

The drawing is lined for shading only.
FOR TOY GUNS, HOLSTERS, SPURS, CUFFS, ROPES, AND TRICK ROPES.
Claims use since October 1946.

Ser. No. 564,458. NATIONAL HYGIENIC PRODUCTS CORP., Akron, Ohio. Filed Aug. 31, 1948.

CARNIVAL

FOR TOY BALLOONS.
Claims use since June 21, 1948.

Ser. No. 564,665. EDWARD TOS, New York, N. Y. Filed Sept. 3, 1948.

SHOO-POO

FOR GAME PLAYED WITH MOVABLE PIECES.
Claims use since Aug. 15, 1948.

Ser. No. 564,672. WILSON SPORTING GOODS CO., Chicago, Ill. Filed Sept. 3, 1948.

Big Boy

FOR SHOULDER PADS OF SPECIAL RIGID CONSTRUCTION WORN BY FOOTBALL PLAYERS TO PROTECT INJURED OR TENDER SHOULDERS.
Claims use since Dec. 10, 1947.

Ser. No. 564,678. WILSON SPORTING GOODS CO., Chicago, Ill. Filed Sept. 3, 1948.

SCAT BACK

FOR HIP AND KIDNEY PROTECTING OR BLOCKING PADS, WORN BY PARTICIPANTS IN SPORTS WHERE BODILY CONTACT IS ESSENTIAL, SUCH AS FOOTBALL, ICE HOCKEY, LACROSSE, AND LIKE GAMES.
Claims use since Dec. 5, 1947.

Ser. No. 564,929. CABBAGE PATCH CIRCLE, Louisville, Ky. Filed Sept. 10, 1948.

Australia Wiggs

FOR DOLLS.
Claims use since May 8, 1947.

Ser. No. 565,610. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 22, 1948. Under section 2f of the act of 1946.

TRU-BALANCE

Applicant claims ownership of Registration No. 353,702.
FOR BILLIARD CUES.
Claims use since Oct. 15, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 518,243. MERRIMAN BROS. INC., Boston, Mass. Original filed, act of 1905, Feb. 27, 1947; amended to application under act of 1946, Principal Register, Apr. 8, 1948.

MERMOLD

FOR METALLIC DIES USED IN THE POWDERED METALLURGY ART.
Claims use since Dec. 17, 1946.

Ser. No. 528,533. THE TOLEDO PIPE THREADING MACHINE COMPANY, Toledo, Ohio. Filed July 12, 1947. Under section 2f of the act of 1946.

"TOLEDO"

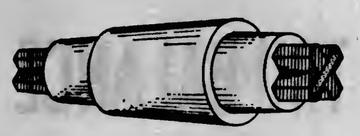
FOR MACHINES FOR CUTTING OFF, REAMING, AND THREADING PIPES AND CONDUITS AND FOR THREADING SOLID RODS; PLAIN AND RATCHET OPERATED THREADERS FOR PIPES, RODS, OR CONDUITS; PIPE VISES; PIPE VISE STANDS; WORK BENCHES FOR PIPE THREADING; PIPE REAMERS; TOOLS FOR CUTTING OFF PIPES OR CONDUITS; DIES, CUTTER KNIVES, AND OTHER PARTS FOR THE ABOVE TOOLS AND MACHINES.
Claims use since July 1902.

Ser. No. 532,299. KWIK-MIX COMPANY, Port Washington, Wis. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

KWIK-MIX

The word "Mix" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 167,314.
FOR PORTABLE CONCRETE MIXERS.
Claims use since Dec. 1, 1920.

Ser. No. 532,307. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed Aug. 25, 1947.



The mark consists of the color red applied to the total surface of the roll wabbler except for a rectangular field across one of the crossed end surfaces of the wabbler which field is aluminum in color. The drawing is lined to indicate the colors red and silver, the latter being the closest conventional approximation to aluminum. The representation of the goods is herewith disclaimed.

FOR FINISHED CAST NICKEL CHROMIUM STEEL ALLOY ROLLS FOR ROLLING MILLS.

Claims use since Dec. 11, 1936.

Ser. No. 540,764. BABSON BROS. CO., Chicago, Ill. Filed Nov. 12, 1947.

Babco

The lines on the drawing are not shading to indicate color.

FOR MILKING MACHINES AND PARTS THEREOF.

Claims use since Aug. 21, 1947.

Ser. No. 544,694. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Dec. 18, 1947.

"BISCO-MATIC"

No claim is made to the word "Bisco" apart from the mark shown. Applicant claims ownership of Registration No. 433,568.

FOR CARPET SWEEPERS.

Claims use since Mar. 1, 1946.

Ser. No. 545,179. THE SOHI TOOL COMPANY, Oshkosh, Wis. Filed Dec. 22, 1947.

SoHi

FOR SMALL POWER DRIVEN MACHINE TOOLS AND PARTS THEREOF—NAMELY, SMALL BENCH SAWS, SAW BLADES, DADO HEADS, AND SAW BLADE AND GRINDING WHEEL BUSHINGS.

Claims use since Aug. 14, 1947.

Ser. No. 549,521. DOAN MANUFACTURING CORP., East Cleveland, Ohio. Filed Feb. 12, 1948.



Applicant claims ownership of Registration No. 436,328.

FOR AUTOMOBILE MUFFLER SUPPORTS, AND EXHAUST DEFLECTORS.

Claims use since Sept. 27, 1945.

Ser. No. 553,121. MODERN CARPET SWEEPER CO., INC., New York, N. Y. Filed Mar. 26, 1948.

Sweetheart

FOR CARPET SWEEPERS.

Claims use since Dec. 1, 1947.

Ser. No. 555,889. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

NORMA HOFFMANN

Applicant claims ownership of Registration No. 235,186.

FOR ROLLER BEARINGS AND THEIR PARTS.

Claims use since June 3, 1926.

Ser. No. 557,540. LUCAS MACHINE TOOL COMPANY, Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut. Filed May 21, 1948. Under section 2f of the act of 1946.

LUCAS

FOR HORIZONTAL BORING, DRILLING, AND MILLING MACHINES AND PARTS THEREOF.

Claims use since 1900.

Ser. No. 557,702. TRANSITIER TRUCK COMPANY, Portland, Oreg. Filed May 24, 1948.

Transitier

FOR LIFT TRUCKS AND PARTS THEREOF.

Claims use since Oct. 7, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 481,333. MILLS INDUSTRIES, INCORPORATED, Chicago, Ill. Original filed, act of 1905, Mar. 26, 1945; amended to application under act of 1946, Principal Register, Sept. 9, 1948.

SONO-VISION

The word "Vision" is disclaimed apart from the mark as shown.

FOR SELF-CONTAINED PICTURE AND SOUND PROJECTION MACHINE.

Claims use since Nov. 4, 1944.

Ser. No. 497,101. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill. Original filed, act of 1905, Feb. 28, 1946; amended to application under act of 1946, Principal Register, Dec. 10, 1948.

IMC

FOR MOLDED AND CAST, NATURAL AND SYNTHETIC, RESIN AND PLASTIC DIALS FOR PRESSURE, TEMPERATURE, FLOW, AND VOLUME GAUGING, METERING, RECORDING, AND CONTROLLING INSTRUMENTS; KNOBS AND HAND WHEELS THEREFOR; BASES AND CASINGS FOR PYROMETERS, HYDROGEN ION CONCENTRATION INDICATORS, AND PRESSURE, TEMPERATURE, FLOW AND VOLUME GAUGES, METERS AND RECORDERS; LENS HOLDERS, ADJUSTABLE HEADS AND DIAPHRAGMS FOR PHOTOGRAPHING AND ENLARGING APPARATUS; CASES FOR CAMERA SLIDES; STAMP GAUGE CASES; AND BASES FOR HYDROMETERS AND CHEMICAL APPARATUS.

Claims use since December 1926.

Ser. No. 515,346. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J. Original filed, act of 1905, Jan. 6, 1947; amended to application under act of 1946, Principal Register, June 24, 1948.

Weston Master II

FOR PHOTOELECTRIC EXPOSURE METERS.

Claims use since November 1945.

Ser. No. 536,110. M. W. CORPORATION, Houston, Tex. Filed Sept. 29, 1947.

SPEED-O-GATOR

No claim is made to the word "Speed" when used apart from the mark.

FOR MEASURING APPLIANCE FOR USE ON AUTOMOBILES TO INDICATE TO THE DRIVER WHEN A SELECTED SPEED HAS BEEN EXCEEDED.

Claims use since June 18, 1947.

Ser. No. 537,104. UNITED WORLD FILMS, INC., New York, N. Y. Filed Oct. 7, 1947.

News PARADE

The representation of film and the word "News" are disclaimed. Applicant claims ownership of Registration No. 350,298.

FOR SILENT AND/OR SOUND MOTION PICTURE FILMS.

Claims use since 1937.

Ser. No. 544,303. THE TORSION BALANCE COMPANY, New York, N. Y. Filed Dec. 13, 1947.



The representation of a scale is disclaimed. Applicant claims ownership of Registration No. 112,448.

FOR WEIGHING BALANCES AND SCALES.

Claims use since 1902 on the representation of a boy and girl on a scale device; and since May 6, 1947, in its present form.

Ser. No. 545,517. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Dec. 26, 1947.

NATIONAL

FOR PROTECTIVE DEVICES, PARTICULARLY FOR WELDING—NAMELY, EYESHIELDS, GOGGLES, VISORS AND HELMETS, FITTED WITH EYE-PROTECTIVE SHIELDS.

Claims use since August 1939.

Ser. No. 546,446. VIKING PICTURES CORPORATION, Chicago, Ill. Filed Jan. 7, 1948.



The words "A Sullivan Richardson Production" and "Adventure" are disclaimed apart from the mark.
FOR MOTION PICTURE FILMS.
Claims use since December 1946.

Ser. No. 554,078. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa. Filed Apr. 8, 1948.

fyrite

FOR PORTABLE GAS ANALYZERS OR INDICATORS OF THE VOLUMETRIC OR ABSORPTION-TYPE WHICH EMPLOY IN THEIR OPERATION WHAT IS COMMONLY KNOWN AS THE "ORSAT METHOD" OF ANALYZING GASES.
Claims use since October 1939.

Ser. No. 557,566. STROBO RESEARCH, Milwaukee, Wis. Filed May 21, 1948.

TELEFLASH

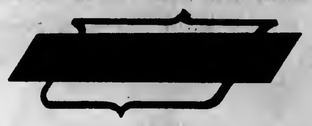
FOR PHOTO FLASH SYNCHRONIZERS.
Claims use since Dec. 27, 1947.

Ser. No. 561,113. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed July 10, 1948.

HYPAN

FOR PHOTOGRAPHIC GOODS—NAMELY, LIGHT SENSITIVE PHOTOGRAPHIC FILM.
Claims use since Sept. 30, 1936.

Ser. No. 565,252. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y. Filed Sept. 16, 1948.



Applicant claims ownership of Registration No. 427,431.
FOR ELECTRONIC TEST EQUIPMENT—NAMELY, SIGNAL GENERATORS FOR CALIBRATING AND/OR TESTING ELECTRONIC APPARATUS, AND COMPONENT PARTS THEREOF—NAMELY, OSCILLATORS; PHOTOGRAPHIC EQUIPMENT—NAMELY, PHOTO ENLARGERS, PHOTO PROJECTION PRINTERS, CAMERAS, FLASH UNITS FOR CAMERAS, AND FOCUSING TARGETS; AND OPTICAL EQUIPMENT—NAMELY, MICROSCOPES PROJECTORS FOR PROJECTING IMAGES, MICROFILM PROJECTORS, AND MICROFILM READERS.
Claims use since on or about January 1945 on microfilm projectors, projectors for projecting images, and microfilm readers; since on or about April 1945 on electronic test equipment and component parts thereof; since on or about November 1945 on focusing targets; since on or about December 1945 on photo enlargers and photo projection printers; since Dec. 20, 1946, on microscopes; and since Feb. 7, 1947, on cameras and flash units for cameras.

Ser. No. 567,160. V. & E. MANUFACTURING CO., Pasadena, Calif. Filed Oct. 18, 1948.

MICROLINER

FOR DRAWING PENS.
Claims use since Oct. 5, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 518,575. VALJEAN WATCH CO., New York, N. Y. Original filed, act of 1905, Mar. 5, 1947; amended to application undner act of 1946, Principal Register, Jan. 2, 1948. Under section 2f of the act of 1946.

CLIFFORD

FOR WATCHES AND CLOCKS.
Claims use since June 1935.

Ser. No. 552,055. GOTHIC JARPROOF WATCH CORP., New York, N. Y. Filed Mar. 16, 1948. Under section 2f of the act of 1946.

JAR—PROOF

Applicant claims ownership of Registration No. 225,073.
FOR WATCHES.
Claims use since July 1925.

Ser. No. 571,699. FELIX AMSTEL, doing business as Amstel Trading Co., New York, N. Y. Filed Jan. 6, 1949.



The trade-mark consists of the facsimile signature of Babe Ruth, deceased, accompanied by the likeness of said Babe Ruth.
FOR WATCHES.
Claims use since Oct. 3, 1948.

Ser. No. 571,722. JEAN R. GRAEF, INC., New York, N. Y. Filed Jan. 6, 1949.

GYROMATIC

FOR WATCH MOVEMENTS AND WRIST AND POCKET WATCHES.
Claims use since Dec. 9, 1948.

Ser. No. 572,560. GIGANTIC S. A., Geneva, Switzerland. Filed Jan. 22, 1949.

Gigantic S.A.

The letters "S. A." are disclaimed. Applicant claims ownership of Swiss Registration No. 126,345, dated Sept. 24, 1948, and U. S. Registration No. 432,293.
FOR WATCHES AND PARTS THEREOF.

Ser. No. 572,677. MULCO, S. A., La Chaux-de-Fonds, Switzerland. Filed Jan. 24, 1949.

MULCO

Applicant claims ownership of Swiss Registration No. 76,397, dated Nov. 27, 1931.
FOR WATCHES AND PARTS OF WATCHES.

Ser. No. 573,062. THE HENRI STERN WATCH AGENCY, INC., New York, N. Y. Filed Jan. 29, 1949.

PATEK PHILIPPE

Applicant claims ownership of Registration No. 400,257.
FOR WATCHES.
Claims use since Oct. 25, 1948.

Ser. No. 573,511. ADOLF THOMMEN, Tecknau/near Basel, Switzerland. Filed Feb. 8, 1949.

APERO

Applicant claims ownership of Swiss Registration No. 114,941, dated Apr. 26, 1946.
FOR WATCHES, WATCH MOVEMENTS, WATCH CASES, CLOCKS, AND PARTS THEREOF.

Ser. No. 573,512. ADOLF THOMMEN, Tecknau/near Basel, Switzerland. Filed Feb. 8, 1949.

Basis

Applicant claims ownership of Swiss Registration No. 94,407, dated Dec. 9, 1938.
FOR WATCHES, WATCH MOVEMENTS, WATCH CASES, CLOCKS, AND PARTS THEREOF.

Ser. No. 573,572. REXALL DRUG COMPANY, Los Angeles, Calif. Filed Feb. 9, 1949.

"REX"

Applicant claims ownership of Registrations Nos. 77,346 and 262,655.
FOR CLOCKS.
Claims use since 1926.

Ser. No. 573,890. OMODOX WATCH G. M. B. H., Lengnau, Switzerland. Filed Feb. 15, 1949.

OMODOX

Applicant claims ownership of Swiss Registration No. 116,127 dated May 27, 1946.
FOR WATCHES AND WATCH MOVEMENTS.

Ser. No. 574,102. M. J. LAMPERT & SONS, INC., New York, N. Y. Filed Feb. 18, 1949. Under section 2f of the act of 1946.

Charles Robert
CR

Applicant claims ownership of Registration No. 249,251.
FOR WATCH AND CLOCK SPRINGS.
Claims use since 1780.

Ser. No. 574,224. ABE A. FRIEDMAN, Augusta, Ga. Filed Feb. 21, 1949.

PLYMOUTH

FOR WATCHES.
Claims use since June 1, 1948.

Ser. No. 574,406. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 24, 1949. Under section 2f of the act of 1946 as to "Bulova."

Bulova "300"

Applicant claims ownership of Registrations Nos. 184,904, 226,889, 365,926, and 367,988.
FOR WATCHES, MORE ESPECIALLY WRIST OR STRAP WATCHES.
Claims use since Jan. 22, 1949; and since 1907 as to "Bulova."

Ser. No. 574,433. HYDE & BATHE INC., New York, N. Y. Filed Feb. 24, 1949.

HYDATE

FOR WATCHES, WATCH PARTS AND MOVEMENTS, WATCH CASES, AND CLOCKS.
Claims use since Apr. 14, 1948.

Ser. No. 574,563. B. ALTMAN & CO., New York, N. Y. Filed Feb. 26, 1949.

BALTA

FOR WATCHES.
Claims use since 1938.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 508,008. RINGCRAFT INCORPORATED, Detroit, Mich. Original filed, act of 1905, Aug. 24, 1946; amended to application under act of 1946, Principal Register, Sept. 25, 1947. Under section 2f of the act of 1946.

Ringcraft

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS.
Claims use since September 1933.

Ser. No. 542,936. GRANAT BROS., INC., San Francisco, Calif. Filed Dec. 2, 1947.

Wed-Luck

Applicant claims ownership of Registrations Nos. 411,415, 185,365, 346,293, and 430,436.
FOR FINGER RINGS.
Claims use since Jan. 1, 1925.

Ser. No. 557,419. WEINREICH BROTHERS COMPANY, New York, N. Y. Filed May 19, 1948.

Marvella
ZENITH
QUALITY

The word "Quality" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 423,787 and 432,950.
FOR PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, AND PEARL BROOCHES AND STRINGS OF PEARLS, NOT INCLUDING WATCHES.
Claims use since January 1939.

Ser. No. 570,341. WEINREICH BROTHERS COMPANY, New York, N. Y. Filed Dec. 10, 1948.

"LOVE STORY"

FOR PEARL EARRINGS, PEARL BROOCHES, STRINGS OF PEARLS, PEARL NECKLACES, AND PEARL BRACELETS, NOT INCLUDING WATCHES.
Claims use since Aug. 30, 1948.

Ser. No. 573,122. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Feb. 1, 1949.

Botticelli

The mark consists of the name "Botticelli," having reference to a famous Italian painter, now deceased.
FOR STERLING SILVER FLATWARE AND HOLLOW WARE.
Claims use since Aug. 30, 1948.

Ser. No. 573,201. SANTA FE MANUFACTURING CORP., New York, N. Y. Filed Feb. 2, 1949.

COBRINA

FOR JEWELRY CHAINS MADE OF PRECIOUS AND NON-PRECIOUS METALS.
Claims use since Jan. 27, 1949.

Ser. No. 573,615. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

American Boy

Applicant claims ownership of Registration No. 241,737.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,616. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

American Clipper

Applicant claims ownership of Registration No. 336,175.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,618. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Banker

Applicant claims ownership of Registration No. 440,644.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,623. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Co-Ed

Applicant claims ownership of Registration No. 262,865.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,627. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Director

Applicant claims ownership of Registration No. 441,117.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,630. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Excellency

Applicant claims ownership of Registration No. 505,673.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,632. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Her Excellency

Applicant claims ownership of Registration No. 375,[illegible]47.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,633. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

His Excellency

Applicant claims ownership of Registration No. 369,777.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,634. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Lady Excellency

Applicant claims ownership of Registration No. 431,492.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,637. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Miss Excellency

Applicant claims ownership of Registration No. 431,493.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,638. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Miss Liberty

Applicant claims ownership of Registration No. 271,234.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,639. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Phantom

Applicant claims ownership of Registration No. 392,245.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,640. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

President

Applicant claims ownership of Registration No. 223,259.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,641. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Feb. 10, 1949.

Senator

Applicant claims ownership of Registration No. 295,591.
FOR WRISTBANDS AND BRACELETS FOR WATCHES MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METALS, SOLD SEPARATELY FROM WATCHES.
Claims use since Jan. 5, 1949.

Ser. No. 573,714. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Feb. 11, 1949.

ERICA

FOR STERLING SILVER FLATWARE.
Claims use since Apr. 10, 1948.

Ser. No. 573,715. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Feb. 11, 1949.

LAFAYETTE

The mark consists of the name "Lafayette," having reference to General Lafayette, now deceased.
FOR STERLING SILVER FLATWARE.
Claims use since Sept. 3, 1948.

Ser. No. 574,092. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed Feb. 18, 1949.

DOLPHIN

FOR STERLING SILVER FLATWARE.
Claims use since Jan. 14, 1948.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 560,377. ROBERT BLOCH AND SIMONE VAN MOPPES BLOCH, New York, N. Y. Filed June 29, 1948.



The mark consists of two crossing arrows.
FOR CHINAWARE—NAMELY, DINNERWARE AND VASES.
Claims use since Oct. 1, 1941.

Ser. No. 570,169. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.



FOR CHINA AND EARTHENWARE FOR DOMESTIC AND HOUSEHOLD PURPOSES—NAMELY, DINNER AND OTHER TABLE WARE, VASES AND ORNAMENTAL BOXES OR RECEPTACLES FOR GENERAL USE.
Claims use since 1915.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 561,442. BORG-WARNER CORPORATION, Chicago, Ill. Filed July 15, 1948. Under section 2f of the act of 1946.

LONG

FOR REFRIGERATOR EQUIPMENT, REFRIGERATOR PARTS, AND ACCESSORIES THEREFOR FOR DOMESTIC AND INDUSTRIAL USES—NAMELY, CONDENSERS AND EVAPORATORS FOR REFRIGERATING, ICE-MAKING, FREEZING, AND AIR AND LIQUID COOLING.
Claims use since Apr. 30, 1930.

Ser. No. 562,315. BORG-WARNER CORPORATION, Chicago, Ill. Filed July 28, 1948. Under section 2f of the act of 1946.



FOR REFRIGERATOR EQUIPMENT, REFRIGERATOR PARTS, AND ACCESSORIES THEREFOR, FOR DOMESTIC AND INDUSTRIAL USES—NAMELY, CONDENSERS AND EVAPORATORS FOR REFRIGERATING, ICE-MAKING, FREEZING, AND AIR AND LIQUID COOLING.
Claims use since Apr. 30, 1930.

Ser. No. 568,018. GREEN'S FUEL, INC., Sarasota, Fla. Filed Oct. 25, 1948. Under section 2f of the act of 1946.



Applicant disclaims exclusive right to the use of the word "Fuel" apart from the mark as shown.
FOR LIQUEFIED PETROLEUM GAS BURNING REFRIGERATORS.
Claims use since May 4, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 533,815. BAKER FURNITURE, INC., Grand Rapids, Mich. Filed Sept. 4, 1947.



FOR WOODEN TABLES—NAMELY, DINING, COCKTAIL, AND END TABLES.
Claims use since Jan. 6, 1947.

Ser. No. 554,486. ROBERT M. GREEN & SONS, INC., Philadelphia, Pa. Filed Apr. 13, 1948.



FOR SODA FOUNTAIN BACK BARS AND SODA FOUNTAIN COUNTERS, WITHOUT REFRIGERATION.
Claims use since Jan. 1, 1890.

Ser. No. 554,680. MAL-ART INC., New York, N. Y. Filed Apr. 15, 1948.

REC-O-MART

The representation of a record is disclaimed apart from the mark.
FOR SALES COUNTERS FOR THE DISPLAY DEMONSTRATION, AND STORAGE OF PHONOGRAPH RECORDS.
Claims use since Feb. 13, 1948.

Ser. No. 560,998. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio. Filed July 9, 1948.

Mode-Maker

No claim is made to the word "Mode" apart from the mark shown.
FOR DESKS, TABLES OF THE FURNITURE TYPE, TELEPHONE STANDS, BOOKCASES, BOOKCASE SECTIONS, FILING CABINETS, AND COUNTER-HEIGHTS.
Claim use since June 10, 1948.

Ser. No. 561,525. SIMMONS COMPANY, New York, N. Y. Filed July 15, 1948.

SUPER SLEEP

No registration rights are claimed for the word "Super" apart from the mark shown.
FOR SPRINGS FOR BEDSTEADS.
Claims use since April 1947.

Ser. No. 562,449. CHICAGO SPRING PRODUCTS CO., Chicago, Ill. Filed July 29, 1948.

PRESSURIZED

FOR UPHOLSTERY, PILLOW AND MATTRESS SPRINGS, AND SPRING UNITS.
Claims use since July 2, 1948.

Ser. No. 563,286. W. B. SMITH, doing business as Lamar Mattress Co., Memphis, Tenn. Filed Aug. 12, 1948.

Heap O'Rest

FOR MATTRESSES.
Claims use since Apr. 15, 1946.

Ser. No. 563,303. A. BRANDWEIN & COMPANY, Chicago, Ill. Filed Aug. 13, 1948.

SLEEP SELECTOR

FOR MATTRESSES.
Claims use since July 5, 1948.

CLASS 33

GLASSWARE

Ser. No. 528,367. OBEAR-NESTER GLASS CO., East St. Louis, Ill. Filed July 11, 1947. Under section 2f of the act of 1946.

E-ZEE LABEL

The word "Label" is disclaimed apart from the mark as shown.
FOR PRESCRIPTION BOTTLES OF GLASS.
Claims use since Sept. 8, 1932.

Ser. No. 545,574. BLENKO GLASS COMPANY, INC., Milton, W. Va. Filed Dec. 27, 1947. Under section 2f of the act of 1946.

BLENKO HANDCRAFT

No claim is made to use of the word "Handcraft" apart from its use in the mark.
FOR DRINKING GLASSES, GLASS PLATES, VASES, PITCHERS, BOWLS, DECANTERS, CRUETS, MUDDLERS, AND LADLES.
Claims use since 1934.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 510,940. DELTA HEATING CORPORATION, New York, N. Y. Original filed, act of 1905, Oct. 16, 1946; amended to application under act of 1946, Principal Register, Sept. 18, 1947.



FOR OIL BURNERS AND PARTS THEREFOR FOR HEATING PURPOSES.
Claims use since Jan. 1, 1945.

Ser. No. 532,709. W. E. LEAKE COMPANY, INCORPORATED, Birmingham, Ala. Filed Aug. 28, 1947.

PORTA-PIT

FOR CAMP STOVES.
Claims use since Feb. 17, 1946.

Ser. No. 539,361. V. E. SPROUSE COMPANY, INC., Columbus, Ind. Filed Oct. 28, 1947. Under section 2f of the act of 1946.



The lining of the drawing is to separate the colors gold and red.
FOR BLOWERS FOR HEAT AND VENTILATING SYSTEMS AND VENTILATING FAN UNITS.
Claims use since Jan. 1, 1944, on blowers; and since Mar. 1, 1947, on ventilating units.

Ser. No. 539,587. YORK-SHIPLEY, INC., York, Pa. Filed Oct. 30, 1947. Under section 2f of the act of 1946.
The word "Heat" is disclaimed.



FOR ROTARY OIL BURNERS, GUN-TYPE OIL BURNERS, PRESSURE-TYPE OIL BURNERS, BOILER UNITS INCLUDING OIL BURNERS, HOT AIR FURNACES, INCLUDING OIL BURNERS, IRIS SHUTTER VARIABLE ORIFICE VALVES FOR OIL BURNERS, VAPORIZING WATER HEATERS, AND PRESSURE FIRED WATER HEATERS.
Claims use since Sept. 25, 1935.

Ser. No. 549,438. HEATBATH APPLIANCES, INC., Indian Orchard, Mass. Filed Feb. 11, 1948.

HEATBATH

FOR GAS BURNERS FOR DOMESTIC COOKING AND HEATING APPARATUS.
Claims use since 1945.

Ser. No. 550,508. INLAND STEEL PRODUCTS COMPANY, Milwaukee, Wis. Filed Feb. 25, 1948.

MILCOR

Applicant claims ownership of Registration No. 179,554.
FOR AIRTITE HEATERS, STOVE PIPE DRUM OVENS, PORTABLE BAKE OVENS, FURNACE WALL STACK PIPE, FURNACE WALL STACK PIPE ELBOWS AND ANGLES, STOVE AND FURNACE PIPE, STOVE AND FURNACE PIPE ELBOWS AND CUT-OFFS, COLD AND HOT AIR DUCTS, REGISTER HEADS AND PANS, LOUVER VENTILATORS, ROOF VENTILATORS, REVOLVING VENTILATORS, AND SPINNER VENTILATORS.
Claims use since November 1911.

Ser. No. 553,005. NEW PROCESS METALS CORPORATION, Newark, N. J. Filed Mar. 25, 1948.

FREEDOM

FOR SPARKLING METAL FLINTS.
Claims use since Mar. 22, 1948.

Ser. No. 554,992. HARRY H. MCDANIEL, doing business as McDaniel Mfg. Co., Inc., Dallas, Tex. Filed Apr. 19, 1948.

Mary Mac

The lining in the drawing is for shading only.
FOR WATER HEATERS.
Claims use since Dec. 19, 1947.

Ser. No. 556,575. GREENE & HODGSON, INC., Providence, R. I. Filed May 8, 1948.

GH

FOR OIL BURNERS AND BOILERS.
Claims use since June 2, 1947.

Ser. No. 559,164. EDWARD A. MALM, doing business as E. A. Malm Co., St. Paul, Minn. Filed June 14, 1948.

CIRK-L-VENT

The word "Vent" is disclaimed apart from the mark as shown.
FOR VENTILATORS FOR DEAD AIR SPACES IN WALLS AND BUILDINGS.
Claims use since May 28, 1946.

Ser. No. 563,876. ARTHUR J. STOCK, doing business as Stock Engineering Company, Cleveland, Ohio. Filed Aug. 23, 1948. Under section 2f of the act of 1946.

CONICAL

FOR NON-SEGREGATING DISTRIBUTORS USED IN FEEDING A UNIFORM MIXTURE OF COARSE AND FINE COAL ACROSS STOKER HOPPERS OR STOKERS OR FURNACES OR BOILERS FROM A SOURCE OF COAL SUPPLY.
Claims use since Apr. 30, 1934.

Ser. No. 568,416. WHALE PRODUCTS CORP., Brooklyn, N. Y. Filed Nov. 8, 1948.

WHALE

FOR OIL-BURNING APPARATUS SOLD AS A UNIT, INCLUDING A BOILER, MOTORIZED OIL BURNER, WATER CIRCULATING PUMP, EXPANSION TANK, RELIEF VALVE, AQUASTAT, THERMOSTAT, AND SWITCHES.
Claims use since Feb. 1, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 569,367. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Nov. 24, 1948. Under section 2f of the act of 1946.

EASTERN STATES
COOPERATIVE

The word "Cooperative" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 184,503, 185,714, 317,158, 320,294, 326,035, 326,037, 330,285, and 347,726.
FOR BELTING.
Claims use since September 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,675. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Mar. 22, 1948.

Coronet

FOR WRITING PAPER.
Claims use since 1937.

Ser. No. 519,682. MONTAG BROTHERS, INC., Atlanta, Ga. Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947. Under section 2f of the act of 1946.

Montag's
SHADOW STRIPE

FOR WRITING PAPER.
Claims use since 1935.

Ser. No. 527,206. CROWN ZELLERBACH CORPORATION, doing business as National Paper Products Sales Company, San Francisco, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

PUBLIC SERVICE

Applicant claims ownership of Registration No. 162,972.
FOR PAPER TOWELS.
Claims use since June 1, 1914.

Ser. No. 534,119. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947.



The lining in the upper panel is for the color red while the lining in the lower panel is for shading purposes only.
FOR WOOD-ENCASED PENCILS OF ALL KINDS.
Claims use since 1938.

Ser. No. 537,112. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 7, 1947.

SIMON PURE

Applicant claims ownership of Registrations Nos. 70,316 and 71,136.
FOR PAPER TABLETS; PAPETERIES—I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES, AND ENVELOPES.
Claims use since Feb. 27, 1905.

Ser. No. 540,800. DUBBI-WALLACH AND COMPANY, New York, N. Y. Filed Nov. 12, 1947.

DW

FOR PLAIN TRANSPARENT CELLOPHANE, MOISTURE PROOF CELLOPHANE, AND WRINKLED MOISTURE PROOF CELLOPHANE.
Claims use since Apr. 25, 1947.

Ser. No. 542,008. CROWN ZELLERBACH CORPORATION, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Filed Nov. 22, 1947.

nata

Applicant claims ownership of Registration No. 368,233.
FOR PAPER FACIAL TISSUES, PAPER NAPKINS, PAPER TOWELS, AND TOILET TISSUE.
Claims use since Jan. 1, 1934.

Ser. No. 542,009. CROWN ZELLERBACH CORPORATION, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Filed Nov. 22, 1947.

NATA-CLENS

The term "Clens" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 368,233.
FOR TOILET TISSUE AND FACIAL TISSUE.
Claims use since Sept. 1, 1944.

Ser. No. 550,542. NEENAH PAPER COMPANY, Neenah, Wis. Filed Feb. 25, 1948.

Chieftain Bond

The Indian head is fanciful. The word "Bond" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 112,543 and 181,506.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since 1911.

Ser. No. 551,451. ROBERT E. HERRICK, Brooklyn, N. Y. Filed Mar. 8, 1948.

NEW LOOK

FOR ALBUM PHOTOGRAPH HOLDERS AND PHOTOGRAPHIC MOUNTINGS.
Claims use since Feb. 18, 1948.

Ser. No. 562,195. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed July 26, 1948.

PHOTOWRAP

Applicant claims ownership of Registration No. 312,044.
FOR WRAPPING PAPER.
Claims use since Oct. 2, 1933.

Ser. No. 562,197. KALAMAZOO VEGETABLE PARCHMENT CO., Parchment, Mich. Filed July 26, 1948.

202

FOR LAMINATED MOISTURE-PROOF PAPERS.
Claims use since Aug. 1, 1936.

Ser. No. 564,092. ARKANSAS PRINTING AND LITHOGRAPHING COMPANY, Little Rock, Ark. Filed Aug. 25, 1948.

"ARK-N-SETS"

The word "Sets" is disclaimed apart from the mark as shown.
FOR MANIFOLD BOOKLETS AND BLANK MANIFOLD FORMS INTERLEAVED WITH CARBON.
Claims use since July 1, 1948.

Ser. No. 564,564. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Filed Sept. 2, 1948. Under section 2f of the act of 1946.

Gaylord

Applicant claims ownership of Registrations Nos. 206,963, 260,507, and others.
FOR PAPER AND PAPERBOARD CONTAINING SULPHATE PULP IN ROLLS AND SHEETS.
Claims use since June 1936 on paper; and since June 16, 1937, on paperboard.

Ser. No. 564,771. DIXON & COMPANY, Salt Lake City, Utah. Filed Sept. 7, 1948.

White Castle

FOR PAPER TOWELS; PAPER NAPKINS; WAX PAPER; AND TOILET TISSUE.
Claims use since June 14, 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 545,542. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Dec. 26, 1947.

Colorama

FOR BOOKLET.
Claims use since Jan. 4, 1941.

Ser. No. 557,684. NORCROSS, INC., New York, N. Y. Filed May 24, 1948.

AROUND THE CLOCK

FOR GREETING CARDS, PRINTED GREETING FOLDERS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since Apr. 26, 1948.

Ser. No. 557,685. NORCROSS, INC., New York, N. Y. Filed May 24, 1948.

LEE-ROY

FOR GREETING CARDS, PRINTED GREETING FOLDERS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since Apr. 26, 1948.

Ser. No. 564,922. BERNARD H. BUCHHEIT, Greensburg, Pa. Filed Sept. 10, 1948.

LUCKY BUCKS

The word "Bucks" is disclaimed apart from the mark.
FOR STAGE MONEY.
Claims use since Apr. 1, 1948.

Ser. No. 565,457. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Sept. 18, 1948. Under section 2f of the act of 1946.

Moonbeams

FOR PERIODICAL PUBLISHED FROM TIME TO TIME.
Claims use since May 1919.

Ser. No. 566,407. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Oct. 4, 1948.

Musical Starlets

FOR GREETING CARDS.
Claims use since Feb. 1, 1948.

Ser. No. 567,417. MACFADDEN PUBLICATIONS, INC., New York, N. Y. Filed Oct. 21, 1948.

Factasia

FOR MAGAZINE FEATURE.
Claims use since September 1946.

CLASS 39

CLOTHING

Ser. No. 534,710. THE FORMFIT COMPANY, Chicago, Ill. Filed Sept. 16, 1947.

Bobby- A Formfit CREATION

The words "A Formfit Creation" are disclaimed.
FOR BRAS, BREECHES, AND COMBINATIONS—NAMELY, FOUNDATION GARMENTS IN ONE PIECE COMBINING THE FEATURES OF A BRASSIÈRE AND THOSE OF A GIRDLE.
Claims use since Aug. 15, 1947.

Ser. No. 541,589. HAT RESEARCH FOUNDATION, INC., New York, N. Y. Filed Nov. 18, 1947. CERTIFICATION MARK.

The SCOOP

FOR MEN'S HATS.
Claims use since Oct. 27, 1947.

Ser. No. 542,451. DOUGLAS OF CALIFORNIA, INC., New York, N. Y. Filed Nov. 26, 1947.

SNOWBALL

FOR LADIES' AND MISSES' HATS, SCARFS, HOODS, AND MUFFS.
Claims use since July 1, 1946.

Ser. No. 553,397. PETER PAN FOUNDATIONS, INC., New York, N. Y. Filed Mar. 30, 1948.

Sleeping Beauty

FOR BRASSIÈRES.
Claims use since Mar. 4, 1948.

Ser. No. 557,868. SHEILA LYNN INC., New York, N. Y. Filed May 19, 1948. Under section 2f of the act of 1946.

Sheila Lynn

The name "Sheila Lynn," is fanciful. Applicant claims ownership of Registrations Nos. 302,501 and 420,057.
FOR LADIES' AND MISSES' DRESSES, BLOUSES, JUMPERS, SKIRTS, SLACKS, AND DRESS ENSEMBLES COMPRISING DRESS AND JACKET.
Claims use since January 1930.

Ser. No. 558,122. FINKELSTEIN BROTHERS, INC., New York, N. Y. Filed May 29, 1948.

Cola-CORD

The word "Cord" is disclaimed.
FOR WOMEN'S, MISSES', AND JUNIOR MISSES' SUITS.
Claims use since May 28, 1947.

Ser. No. 558,137. GREENSTEIN & FLAUM, New York, N. Y. Filed May 29, 1948.

Bernclaire

FOR LADIES' HATS.
Claims use since May 17, 1948.

Ser. No. 559,753. WEATHER-MATES APPAREL CO. INC., New York, N. Y. Filed June 19, 1948.

CALENDAR COAT

The word "Coat" is disclaimed apart from the mark as shown.
FOR LADIES', MISSES', CHILDREN'S, AND JUNIOR MISSES', AND JUNIOR GIRLS' COATS.
Claims use since Apr. 5, 1948.

Ser. No. 559,860. POST BABY PRODUCTS, Los Angeles, Calif. Filed June 21, 1948.

PLAY DRY

FOR BOYS' AND GIRLS' PLAY SUITS WITH AND WITHOUT BIBS, PANTIES, TRUNKS, AND CREEPERS, ALL MOISTURE PROOF.
Claims use since Jan. 3, 1948.

Ser. No. 560,530. M. BECKERMAN & SONS, INC., New York, N. Y. Filed July 1, 1948.

ROCK TUFF

FOR SHOES.
Claims use since June 7, 1948.

Ser. No. 560,752. BURLINGTON COUNTY SHOE CORPORATION, Mount Holly, N. J. Filed July 6, 1948.



LITTLE INJUNS

FOR INFANTS' SHOES.
Claims use since May 5, 1948.

Ser. No. 561,429. WOOLF BROTHERS, INC., Kansas City, Mo. Filed Mar. 30, 1948. Under section 2f of the act of 1946.

Sterlingworth

Applicant claims ownership of Registration No. 235,421.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, VESTS, OVERCOATS, COATS, AND PANTS.
Claims use since Nov. 20, 1914.

Ser. No. 561,462. HEIDE BABE PRODUCTS, Chicago, Ill. Filed July 15, 1948.

"SHOWER-TIME"

FOR KIT CONSISTING OF NURSING BOTTLE HOLDER, BABY PANTS, AND BABY BIB.
Claims use since July 12, 1948.

Ser. No. 561,573. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed July 16, 1948.



Applicant claims ownership of Registrations Nos. 38,108 and 327,309.
FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since November 1947.

Ser. No. 566,736. S. J. WEISMAN COMPANY, New York, N. Y. Filed Oct. 8, 1948.

Peak-o-Beauty

The word "Beauty" is disclaimed.
FOR BRASSIÈRES.
Claims use since July 2, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 574,730. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 1, 1949.

PINPOINT

FOR HAT BRAIDS.
Claims use since Jan. 26, 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 528,866. INFANT ITEMS, INCORPORATED, Fremont, Ohio. Filed July 18, 1947.

A Cradle Club PRODUCT

The words "A" and "Product" are disclaimed apart from the mark.
FOR TEXTILE SHEETING FOR INFANTS' CRIBS.
Claims use since June 10, 1947.

Ser. No. 531,526. SOLOMON BLUM, Forest Hills, N. Y. Filed Aug. 15, 1947.

PRIORITY

The drawing is lined for shading only. Applicant claims ownership of Registration No. 117,409.
FOR FABRICS IN THE PIECE OF RAYON, WOOL, AND SILK.
Claims use since Mar. 27, 1917.

Ser. No. 532,137. KANNAPOLIS MANUFACTURING COMPANY, INC., Kannapolis, N. C. Filed Aug. 22, 1947.



The representation of the baby is fanciful. The words "Knit," "Baby-Terry," "Gift," "Set," "Soft as a Cloud" are disclaimed apart from the mark.
FOR TOWELS, WASH CLOTHS, BLANKETS, AND BATH MATS.
Claims use since May 1, 1945.

Ser. No. 546,258. ALBERT VANN ZALIS, Baltimore, Md. Filed Jan. 5, 1948.



Applicant disclaims the wording "Makers of" and "America's Superior Wiping Cloth" apart from the mark as shown.
FOR WIPING CLOTHS.
Claims use since July 8, 1947.

Ser. No. 560,734. UTICA AND MOHAWK COTTON MILLS, INC., Utica, N. Y. Filed July 8, 1948.

MEADOWBROOK

FOR SHEETING, SHEETS, AND PILLOWCASES.
Claims use since July 30, 1940.

Ser. No. 572,380. LOUIS SCALL, doing business as Wiltshire Woolen Company, New York, N. Y. Filed Jan. 18, 1949.



No claim is made to the word "Tweed.". Applicant claims ownership of Registration No. 401,225.
FOR PIECE GOODS OF WOOLEN TWEED.
Claims use since Jan. 20, 1942.

Ser. No. 572,854. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Jan. 26, 1949.

TUDOR

FOR TEXTILE RUGS.
Claims use since Jan. 3, 1948.

Ser. No. 573,234. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

ARMIDA

Applicant claims ownership of Registration No. 143,606.
FOR WOOLEN PIECE GOODS.
Claims use since Sept. 15, 1920.

Ser. No. 573,235. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

GULINA

Applicant claims ownership of Registration No. 202,529.
FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1925.

Ser. No. 573,236. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

LIVONA

Applicant claims ownership of Registration No. 157,949.
FOR WOOLEN PIECE GOODS.
Claims use since Jan. 10, 1922.

Ser. No. 573,237. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

MIRROVA

Applicant claims ownership of Registration No. 173,290.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 7, 1923.

Ser. No. 573,238. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

ROMIRA

Applicant claims ownership of Registrations Nos. 189,120 and 179,980.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 1, 1924.

Ser. No. 573,239. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

SABINA

Applicant claims ownership of Registration No. 189,119.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 1, 1924.

Ser. No. 573,241. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

VELDEREINE

Applicant claims ownership of Registration No. 172,899.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 15, 1923.

Ser. No. 573,242. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Feb. 3, 1949.

VESSALA

Applicant claims ownership of Registration No. 187,719.
FOR WOOLEN PIECE GOODS.
Claims use since Feb. 1, 1924.

Ser. No. 573,247. HOLIDAY FABRICS, INC., Pomfret Center, Conn. Filed Feb. 3, 1949.



FOR HANDLOOMED WOOLEN PIECE GOODS.
Claims use since Oct. 23, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 564,073. AMERICAN CONTINENTAL CORPORATION, Paterson, N. J. Filed June 16, 1948.

SERVETEX



FOR YARNS.
Claims use since Sept. 30, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 560,869. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Filed July 8, 1948.

DENTRON

FOR ARTIFICIAL TEETH.
Claims use since May 25, 1948.

Ser. No. 563,123. THE KENDALL COMPANY, Boston, Mass. Filed Aug. 10, 1948.

Curity

Applicant claims ownership of Registrations Nos. 103,242, 284,697, and 409,714.
FOR NURSERY COTTON AND DENTAL FLOSS.
Claims use since Nov. 2, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,796. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind. Original filed, act of 1905, May 3, 1947; amended to application under act of 1946, Principal Register, Sept. 17, 1948.

METHIO-VITE

FOR BLEND OF CONDENSED FISH SOLUBLES, FISH MEAL, AND RIBOFLAVIN SUPPLEMENT FOR FEEDS FOR LIVE STOCK AND POULTRY.
Claims use since Sept. 29, 1944.

Ser. No. 536,173. TASTY BAKING COMPANY, Philadelphia, Pa. Filed Sept. 29, 1947.



The portrait on the drawing is that of a fanciful person.
Applicant claims ownership of Registrations Nos. 270,450, 233,391, 285,168, 289,747, 101,657, 335,031, 287,940, and 115,821.
FOR CAKES.
Claims use since Feb. 15, 1932.

Ser. No. 540,804. FILLMORE CITRUS ASSOCIATION, Fillmore, Calif. Filed Nov. 12, 1947.

CUPID

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1899.

Ser. No. 543,826. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Dec. 9, 1947. Under section 2f of the act of 1946.

DEL MAIZ

Applicant claims ownership of Registrations Nos. 177,997, 289,114, 315,133, and 323,766.
FOR CANNED CORN.
Claims use since May 8, 1923.

Ser. No. 545,164. PURITAN MILLS, Atlanta, Ga. Filed Dec. 22, 1947.

MISS BESS

FOR DAIRY FEEDS CONSISTING PRINCIPALLY OF FISH PRODUCTS, FEED GRAINS, AND MEALS.
Claims use since Feb. 20, 1930.

Ser. No. 546,979. B. A. ECKHART MILLING CO., Chicago, Ill. Filed Jan. 14, 1948.

LIBERTY

FOR WHEAT FLOUR.
Claims use since Apr. 17, 1885.

Ser. No. 553,515. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 31, 1948.

PURINA

Applicant claims ownership of Registrations Nos. 61,057, 61,064, 122,817, 289,064, and 289,912.
FOR ANIMAL FEEDS FOR CALVES, CATTLE, CATS, CHICKENS, CHICKS, HAMSTERS, COWS, DOGS, GOATS, HENS, HOGS, HORSES, MICE, MONKEYS, MULES, PIGEONS, RABBITS, SHEEP, RATS, STEERS, AND TURKEYS; FRESH DRESSED TURKEYS; FRESH DRESSED CHICKENS; FRESH EGGS, AND FRESH DRESSED RABBITS.
Claims use since Oct. 1, 1893, on animal feeds; since December 1938 on turkeys; since December 1939 on chickens; and since December 1937 on rabbits.

Ser. No. 556,219. M. L. REID, doing business as Reid's Rancho Palos Verdes, Tucson, Ariz. Filed May 4, 1948.



The drawing is lined to indicate shading only.
FOR PASSION FRUIT JUICES PACKED IN BOTTLES AND JARS.
Claims use since June 15, 1932.

Ser. No. 557,924. HERSHEY CHOCOLATE CORPORATION, Hershey, Pa. Filed May 27, 1948.

SPRIGS

Applicant claims ownership of Registration No. 248,104.
FOR CHOCOLATE USED FOR BAKING AND FOR MAKING OTHER FOOD PRODUCTS.
Claims use since May 1, 1928.

Ser. No. 558,546. BUSALACCHI BANANA CO., Milwaukee, Wis. Filed June 5, 1948.



The representation of the goods is disclaimed apart from the mark.
FOR BANANAS SOLD IN FRESH STATE.
Claims use since Oct. 27, 1947.

Ser. No. 562,664. PARKWAY FOODS, INC., New York, N. Y. Filed Aug. 2, 1948.

Parkside



FOR SALTED MIXED NUTS, SALTED CASHEW NUTS, SALTED PEANUTS, UNSALTED CASHEW NUTS, AND POTATO CHIPS.
Claims use since Feb. 1, 1948.

Ser. No. 564,099. CLOVER GREEN DAIRIES, INC., Woodbridge, N. J. Filed Aug. 25, 1948.

Spring Meadow

FOR ICE CREAM.
Claims use since July 24, 1934.

Ser. No. 564,750. L. N. WHITE & CO., INC., New York, N. Y. Filed Sept. 4, 1948.

DANICE

FOR CREAMED CORN STARCH.
Claims use since Aug. 20, 1948.

Ser. No. 564,934. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Sept. 10, 1948.



The trade-mark consists of an annular band, regardless of color. Applicant claims ownership of Registrations Nos. 59,574, 258,621, 360,967, and 377,408.
FOR BICARBONATE OF SODA (BAKING SODA), AND BAKING POWDER.
Claims use since 1869.

Ser. No. 565,025. UPLAND CITRUS ASSOCIATION, Upland, Calif. Filed Sept. 11, 1948.

RED BAND

FOR FRESH CITRUS FRUIT.
Claims use since 1922.

Ser. No. 565,156. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Sept. 15, 1948. Under section 2f of the act of 1946.

BEEMAN'S

Applicant claims ownership of Registration No. 438,753.
FOR CHEWING GUM.
Claims use since 1890.

Ser. No. 565,830. VALLEY FRUIT & PRODUCE CO., Los Angeles, Calif. Filed Sept. 24, 1948.

CREAM of the VALLEY

FOR FRESH VEGETABLES AND FRESH AVOCADOS.
Claims use since 1936.

Ser. No. 565,957. PACIFIC EXPLORATION CO., INC., Seattle, Wash. Filed Sept. 27, 1948.

PACIFIC EXPLORER

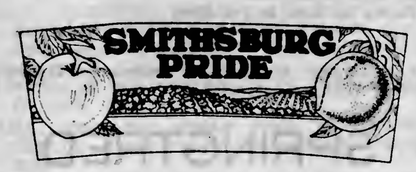
FOR CANNED KING CRAB.
Claims use since May 1, 1948.

Ser. No. 566,250. STAYTON CANNING CO. CO-OPERATIVE, Stayton, Oreg. Filed Oct. 1, 1948. Under section 2f of the act of 1946.

STAYTON

Applicant claims ownership of Registration No. 260,406.
FOR CANNED VEGETABLES.
Claims use since June 15, 1928.

Ser. No. 567,347. GARDENHOUR BROS., Smithsburg, Md. Filed Sept. 13, 1948. Under section 2f of the act of 1946.



The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 364,843.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 12, 1938.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 532,284. DAVID FRARING COMPANY, South St. Paul, Minn. Filed Aug. 25, 1947.



The trade-mark has the meaning "F bar F."
FOR LIVESTOCK BRAND TAGS.
Claims use since Feb. 15, 1947.

Ser. No. 533,170. KERR GLASS MANUFACTURING CORPORATION, Sand Springs, Okla. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

"SELF SEALING"

Applicant claims ownership of Registration No. 314,468.
FOR JAR CAPS AND LIDS.
Claims use since June 8, 1914.

Ser. No. 541,804. BOLAND MFG. CO., Winona, Minn. Filed Nov. 20, 1947.

CRYSTO-CLEER

The word "Cleer" is disclaimed apart from the mark as shown.
FOR BOWL COVERS WITH ELASTIC MARGINS FOR CONTRACTION AROUND THE MOUTHS OF THE BOWLS TO WHICH THEY ARE APPLIED, CYLINDRICAL OPEN BOTTOM COVERS FOR STACKS OF PLATES, COVERS FOR JUICE EXTRACTORS, CAKE MIXERS, AND OTHER KITCHEN APPLIANCES AND COVERS FOR PROTECTING THE SHOULDER PORTIONS OF HANGER SUPPORTED GARMENTS.
Claims use since Apr. 6, 1945.

Ser. No. 541,819. DURKEE-ATWOOD COMPANY, Minneapolis, Minn. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

DOR-TITE

FOR SPONGE RUBBER STRIP ADHESIVELY COATED ON ONE FACE.
Claims use since Sept. 1, 1932.

Ser. No. 543,409. ERNST A. BARTSCH, doing business as Pinabord Manufacturing Company, Chicago, Ill. Filed Dec. 5, 1947.

Pinabord

FOR DOILY STRETCHERS.
Claims use since June 1947.

Ser. No. 548,769. CONSOLIDUM-NAIRN, INC., Kearny, N. J. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

NAIRN

Applicant claims ownership of Registrations Nos. 105,920, 369,235, 334,121, 381,696, 381,813, and 428,522.

FOR DRY, PARTIALLY IMPREGNATED, AND FULLY IMPREGNATED WITH ASPHALT, NATURAL OR ARTIFICIAL, FELT FOR USE IN CONNECTION WITH LINOLEUM AND OTHER COMPOSITION COVERINGS.

Claims use since Sept. 1, 1939.

Ser. No. 559,814. KATHERINE D. NELSON, Mankato, Minn. Filed June 16, 1948.

The SILENT MILKMAN

FOR DAIRY PRODUCTS ORDER BOARD.

Claims use since Nov. 1, 1945.

Ser. No. 559,861. JOHN F. REICH, Kansas City, Mo. Filed June 21, 1948.



Decor

The pictorial illustration of the pine cone is disclaimed apart from the mark shown.

FOR CHRISTMAS TREE ORNAMENTS.

Claims use since June 16, 1948.

Ser. No. 560,378. ROBERT BLOCH AND SIMONE VAN MOPPES BLOCH, New York, N. Y. Filed June 29, 1948.



The mark consists of two crossing arrows.

FOR FIGURINES MADE OF CHINA.

Claims use since Oct. 1, 1941.

Ser. No. 561,765. BYRON T. PETTY, doing business as The Petty Manufacturing Company, Effingham, Ill. Filed July 20, 1948.

SWAN

FOR GARMENT HANGERS.

Claims use since Mar. 3, 1947.

Ser. No. 563,230. VULCAN CORPORATION, Portsmouth, Ohio. Filed Aug. 11, 1948.



The words "Styles of Tomorrow" are disclaimed apart from the mark as shown.

FOR SHOE LASTS.

Claims use since Apr. 17, 1948.

Ser. No. 566,883. MYRON H. JOHNSTONE, doing business as W. A. Bates Turning Co., Manistee, Mich. Filed Oct. 12, 1948.

DUO-JAC

The word "Jac" is disclaimed.

FOR BOOT JACKS AND COMBINED BOOT JACKS AND MUD SCRAPERS.

Claims use since May 8, 1948.

Ser. No. 567,023. HOUGH SHADE CORPORATION, Janesville, Wis. Filed Oct. 15, 1948.

SPRINGTRED

FOR WOODLINK FLOOR MATS.

Claims use since Aug. 23, 1948.

Ser. No. 568,266. RAYMOND C. MELANDER, doing business as Tufflite Plastics, Ballston Spa, N. Y. Filed Nov. 5, 1948.

tufflite

FOR BASES FOR FLORAL DESIGNS.

Claims use since Sept. 10, 1948.

Ser. No. 569,369. CHARLES FRANK, doing business as Woodbridge Monument Works, Woodbridge, N. J. Filed Nov. 24, 1948.

SUPERFECT

FOR GRANITE MONUMENTS AND MEMORIALS.

Claims use since May 15, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

443,469. DOLLS AND DOLLS' CLOTHES. NANCY ANN DRESSED DOLLS, San Francisco, Calif., assignor to Nancy Ann Storybook Dolls, Inc., San Francisco, Calif., a corporation of California.
Filed June 27, 1944, Serial No. 471,710. Published Aug. 22, 1944. Class 22.

443,470. MOBILE CRANES. HYSTER COMPANY, Portland, Oreg.
Filed Sept. 11, 1944, Serial No. 474,078. Published July 31, 1945. Class 23.

443,471. COCOA. ROCKWOOD & Co., Brooklyn, N. Y.
Filed May 21, 1945, Serial No. 483,631. Published July 5, 1949. Class 46.

443,472. SPRING HOBBYHORSES. WILLIAM B. COGGIN, INC., Chicago, Ill., assignor, by mesne assignments, to William C. Handley, Chicago, Ill.
Filed Nov. 28, 1945, Serial No. 492,309. Published May 7, 1946. Class 22.

443,473. PULL TOYS—NAMELY, TOY WAGONS. PACIFIC WIRE PRODUCTS CORPORATION, also doing business as Aircraft Containers Co. and also operating as Durabilt Manufacturing Company, Los Angeles, Calif.
Filed Jan. 16, 1946, Serial No. 494,861. Published June 21, 1949. Class 22.

443,474. COMBINED COOLING AND DISPENSING UNITS AND PARTS THEREOF. ALOIS M. POHL, doing business as Excelsior Machine Company, Reading, Pa.
Filed Mar. 27, 1946, Serial No. 499,074. Published July 12, 1949. Class 23.

443,475. TROLLING KEELS USED IN FISHING TACKLE. FISHMASTER SPORTING GOODS CO., Quincy, Mass.
Filed Apr. 17, 1946, Serial No. 500,381. Published July 12, 1949. Class 22.

443,476. KRAFT WRAPPING PAPER. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Filed Sept. 11, 1946, Serial No. 508,862. Published July 19, 1949. Class 37.

443,477. TOYS MADE OF WOOD, PLASTIC, OR LIKE MATERIAL IN THE FORM OF ADDING BLOCKS FOR TEACHING CHILDREN RUDIMENTARY ARITHMETIC. MORRIS F. BOOTH, Alden, Mich.
Filed Sept. 13, 1946, Serial No. 508,967. Published June 14, 1949. Class 22.

443,478. CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS, ETC. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed Oct. 9, 1946, Serial No. 510,490. Published June 28, 1949. Class 6.

443,479. CHILDREN'S EDUCATIONAL HANDWORK PACKETS, COMPRISED OF DESIGNS PRINTED ON PAPER TO BE CUT OUT AND ASSEMBLED TO MAKE TOY EDUCATIONAL OBJECTS. MARJORIE LEA HARM, Cleveland, Ohio.
Filed Oct. 23, 1946, Serial No. 511,828. Published July 5, 1949. Class 22.

443,480. LIPSTICKS, NAIL LACQUER, CREME TINT FOUNDATION, FACE MAKE-UP FOUNDATION, CREME ROUGE, COMPACT ROUGE, AND FACE POWDER. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed Nov. 29, 1946, Serial No. 513,468. Published Feb. 24, 1948. Class 6.

443,481. CHILDREN'S PULL TOYS MADE OF METAL, PLASTIC, AND WOOD. TUFFY TOYS, Cleveland, Ohio, assignor to Tuffy Toys, Inc., Cleveland, Ohio, a corporation of Ohio.
Filed Dec. 12, 1946, Serial No. 514,152. Published Sept. 30, 1947. Class 22.

443,482. GAME PLAYED WITH CARDS AND A SPINNING ARROW. WALTER D. HEDENKAMP, doing business as B. L. Fry Products Company, St. Louis, Mo.
Filed Dec. 13, 1946, Serial No. 514,199. Published June 14, 1949. Class 22.

443,483. FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS; FILMS WITH SOUND, WORKS, AND/OR MUSIC RECORDED THEREON, ETC. UNIVERSAL PICTURES COMPANY, INC., New York, N. Y.
Filed Jan. 27, 1947, Serial No. 516,452. Published June 21, 1949. Class 26.

443,484. FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS, ETC. UNIVERSAL PICTURES COMPANY, INC., New York, N. Y.
Filed Jan. 27, 1947, Serial No. 516,453. Published June 21, 1949. Class 26.

443,485. BASE METAL COOKING, KITCHEN, HOUSEHOLD, AND HOSPITAL WARE—NAMELY, WASH BASINS, ETC. THE REPUBLIC STAMPING & ENAMELING COMPANY, Canton, Ohio.
Filed Feb. 17, 1947, Serial No. 517,662. Published July 26, 1949. Class 13.

443,486. CRIB SHEETS MADE OF COTTON. DEERING, MILLIKEN & Co., INC., New York, N. Y.
Filed Feb. 27, 1947, Serial No. 518,206. Published Nov. 16, 1948. Class 42.

443,487. POCKETBOOKS, WALLETS, BILLFOLDS, PORTFOLIOS, KEYHOLDERS, LADIES' HANDBAGS, TRAVEL BAGS, AND SUITCASES. PAR AVION, San Francisco, Calif.
Filed Mar. 1, 1947, Serial No. 518,337. Published July 12, 1949. Class 3.

443,488. BAKERY PRODUCTS—NAMELY, BREAD. R. W. TRENERRY, doing business as Trenerry's Bakery, Yakima, Wash.
Filed Apr. 15, 1947, Serial No. 520,775. Published Oct. 26, 1948. Class 46.

443,489. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF. HEBO FABRICS, INC., New York, N. Y.
Filed Apr. 16, 1947, Serial No. 520,807. Published Dec. 23, 1947. Class 42.

443,490. FABRICS IN THE PIECE, NETS, AND LACES, MADE OF COTTON, RAYON, SILK, AND NYLON. SIMON, HEALEY & GOLDSTEIN INC., New York, N. Y.
Filed Apr. 16, 1947, Serial No. 520,837. Published Nov. 25, 1947. Class 42.

443,491. WRAPPING PAPER, TISSUE PAPER, PAPER TOWELS, TOILET PAPER, WATERPROOF PAPER, PARCHMENT AND GLASSINE, WAX PAPER, ETC. CHARLES S. SHER COMPANY INC., New York, N. Y.
Filed Apr. 25, 1947, Serial No. 521,365. Published June 21, 1949. Class 37.

443,492. HAIR BRUSHES, HAIR BRUSH SETS, AND HAIR BRUSH HANDLES. LACTONA INCORPORATED, St. Paul, Minn.

Filed May 5, 1947, Serial No. 521,900. Published June 1, 1948. Class 29.

443,493. PACKAGED MATERIALS TO BE USED IN THE CONSTRUCTION OF TOY MODEL AIRCRAFT AND OTHER TOYS. ROXWELL INDUSTRIES, INC., Clayton, Mo.
Filed May 14, 1947, Serial No. 522,872. Published June 28, 1949. Class 22.

443,494. CANNED FRUITS AND VEGETABLES. PRATT-LOW PRESERVING CO., Santa Clara, Calif.
Filed May 16, 1947, Serial No. 522,478. Published May 31, 1949. Class 46.

443,495. OINTMENT. FRED J. POVALOSKI, doing business as Navesin Laboratory, Stevens Point, Wis.
Filed May 20, 1947, Serial No. 522,711. Published July 26, 1949. Class 6.

443,496. WALLETS, POCKETBOOKS, AND BILL FOLDS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed June 4, 1947, Serial No. 523,506. Published Nov. 11, 1947. Class 3.

443,497. ADVERTISING AND BUSINESS CORRESPONDENCE ENVELOPES OF PAPER. CURTIS 1000 INC., Hartford, Conn.
Filed June 18, 1947, Serial No. 524,380. Published July 19, 1949. Class 37.

443,498. NEWSPRINT PAPER. CONSOLIDATED PAPER CORPORATION LIMITED, Montreal, Quebec, Canada.
Filed June 20, 1947, Serial No. 524,525. Published July 19, 1949. Class 37.

443,499. WORSTED WOOLEN GABARDINE FABRICS IN THE PIECE. SUSQUEHANNA MILLS, INC., New York, N. Y.
Filed June 21, 1947, Serial No. 524,681. Published Jan. 6, 1948. Class 42.

443,500. LOCK NUTS. NATIONAL MACHINE PRODUCTS COMPANY, Detroit, Mich.
Filed July 2, 1947, Serial No. 525,658. Published July 26, 1949. Class 13.

443,501. WHEAT WAFERS OR CRACKERS. THE MARYLAND BISCUIT COMPANY, Baltimore, Md.
Filed July 3, 1947, Serial No. 525,897. Published July 5, 1949. Class 46.

ACT OF 1946, PRINCIPAL REGISTER

516,668. OPTICAL INSTRUMENTS—NAMELY, BINOCULARS, AND PARTS THEREOF. SQUARE D COMPANY, Detroit, Mich.
Original filed, act of 1905, Mar. 22, 1943; amended to application under act of 1946, Principal Register, Sept. 5, 1947, Serial No. 459,274. Published June 28, 1949. Class 26.

516,669. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Original filed, act of 1905, Aug. 6, 1945; amended to application under act of 1946, Principal Register, May 14, 1948, Serial No. 486,781. Published July 5, 1949. Class 46.

516,670. PHOTOGRAPHIC CAMERAS; OPTICAL INSTRUMENTS—NAMELY, OPTICAL GAUGING INSTRUMENTS, OPTOMETERS, ETC. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England.
Original filed, act of 1905, Mar. 26, 1946; amended to application under act of 1946, Principal Register, Aug. 25, 1947, Serial No. 499,025. Published June 28, 1949. Class 26.

516,671. WRITING INSTRUMENTS—NAMELY, BALL AND FOUNTAIN PENS. BROWN & BIGELOW, St. Paul, Minn.
Original filed, act of 1905, June 10, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 503,549. Published July 19, 1949. Class 37.

516,672. CHILDREN'S SCOOTERS AND WHEELBARROWS. UNITED SPECIALTIES COMPANY, Chicago, Ill.
Original filed, act of 1905, July 22, 1946; amended to application under act of 1946, Principal Register, May 15, 1948, Serial No. 506,074. Published June 21, 1949. Class 22.

516,673. JORDAN ENGINES FOR WORKING ON AND REFINING PAPER MAKING MATERIAL. E. D. JONES & SONS COMPANY, Pittsfield, Mass.
Original filed, act of 1905, July 26, 1946; amended to application under act of 1946, Principal Register, Mar. 18, 1948, Serial No. 506,322. Published July 26, 1949. Class 23.

516,674. TRUNKS. WILLIAM BAL CORPORATION, Newark, N. J.
Original filed, act of 1905, July 26, 1946; amended to application under act of 1946, Principal Register, Feb. 24, 1949, Serial No. 506,356. Published June 21, 1949. Class 3.

516,675. ASBESTOS PATTERN AND TRACING PAPER FOR USE AS INCOMBUSTIBLE PATTERNS IN THE FORMING OF NEON-TUBE SIGNS. GRANT WILSON, INCORPORATED, Chicago, Ill.
Original filed, act of 1905, Sept. 14, 1946; amended to application under act of 1946, Principal Register, Aug. 8, 1947, Serial No. 509,121. Published July 19, 1949. Class 37.

516,676. THERMOSTATICALLY CONTROLLED VALVES. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Original filed, act of 1905, Sept. 16, 1946; amended to application under act of 1946, Principal Register, Aug. 15, 1947, Serial No. 509,133. Published June 21, 1949. Class 26.

516,677. FRIED CHICKEN. MINUTE GRILL OF CHARLOTTE, N. C., INC., Charlotte, N. C.
Original filed, act of 1905, Sept. 25, 1946; amended to application under act of 1946, Principal Register, Jan. 19, 1948, Serial No. 509,716. Published July 5, 1949. Class 46.

516,678. RUBBERIZED SHEETING USED AS PROTECTIVE SHEETING FOR CRIBS, BEDS, AND OTHER HOME AND HOSPITAL USES. HOLLAND-RANTOS COMPANY, INC., New York, N. Y.
Original filed, act of 1905, Sept. 27, 1946; amended to application under act of 1946, Principal Register, Oct. 13, 1948, Serial No. 509,847. Published July 19, 1949. Class 42.

516,679. LOOSE-LEAF DAILY MEMORANDUM CARD SYSTEM COMPRISING MEMORANDUM CARDS AND POCKET AND DESK CASES THEREFOR. WILSON MEMINDEX COMPANY, Rochester, N. Y.
Original filed, act of 1920, Nov. 1, 1946; amended to application under act of 1946, Principal Register, Aug. 28, 1947, Serial No. 511,916. Published Sept. 7, 1948. Class 37.

516,680. MECHANICAL PENCILS, WOOD ENCASED LEAD PENCILS, SLATE PENCILS, AND INK PENCILS. A. W. FABER-CASTELL PENCIL COMPANY, INCORPORATED, Newark, N. J., a corporation of New Jersey, now by change of name from A. W. Faber, Inc.
Original filed, act of 1905, Nov. 7, 1946; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 512,171. Published July 19, 1949. Class 37.

516,681. TOOLS, APPARATUS, AND MACHINES FOR USE IN CONNECTION WITH SCREW CONNECTIONS AND THEIR PARTS—NAMELY, SCREW-THREAD-TAPPING TOOLS, ETC. AIRCRAFT SCREW PRODUCTS COMPANY, INC., Long Island City, N. Y., now by merger Heli-Coil Corporation, a corporation of New York.
Original filed, act of 1905, Nov. 13, 1946; amended to application under act of 1946, Principal Register, July 31, 1947, Serial No. 512,475. Published July 12, 1949. Class 23.

516,682. ENAMELED STEEL TEAPOTS, COFFEEPOTS, BIGGINS, TEAKETTLES, FOOT BATHS, ETC. COLUMBIAN ENAMELING & STAMPING CO., INC., Terre Haute, Ind.
Original filed, act of 1905, Nov. 18, 1946; amended to application under act of 1946, Principal Register, Apr. 8, 1948, Serial No. 512,767. Published July 26, 1949. Class 13.

516,683. RAILROAD SIGNAL WARNING DEVICES OF "TELL-TALES," "HANGERS," AND "REPLACERS," ETC. HASTINGS SIGNAL & EQUIPMENT CO., Boston, Mass.
Original filed, act of 1920, Jan. 2, 1947; amended to application under act of 1946, Principal Register, July 15, 1948, Serial No. 515,176. Published July 26, 1949. Class 23.

516,684. PAPER TOWELS AND TOWEL PAPER. BROWN COMPANY, Berlin, N. H.
Original filed, act of 1905, Feb. 12, 1947; amended to application under act of 1946, Principal Register, Apr. 23, 1948, Serial No. 517,350. Published June 28, 1949. Class 37.

516,685. SILK, RAYON, WOOLEN, COTTON, AND LINEN PIECE GOODS. M. & W. THOMAS CO., New York, N. Y.
Original filed, act of 1905, Apr. 30, 1947; amended to application under act of 1946, Principal Register, Sept. 25, 1947, Serial No. 521,618. Published Nov. 23, 1948. Class 42.

516,686. BREAD, ROLLS, AND COFFEE CAKES. GORDON BAKING CO., Detroit, Mich.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1947, Serial No. 521,874. Published July 5, 1949. Class 46.

516,687. CHILDREN'S TOYS — NAMELY, STOVES, ELECTRIC STOVES, KITCHEN UTENSILS, IRONS, ELECTRIC IRONS, AND SINKS. THE METAL WARE CORPORATION, Two Rivers, Wis.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 522,202. Published July 12, 1949. Class 22.

516,688. TOYS—NAMELY, STEAM ENGINES, AIR EXPANSION ENGINES, TOY ENGINE ACCESSORIES, STOVES, ELECTRIC STOVES, SINKS, IRONS, ELECTRIC IRONS, AND POTS AND PANS. THE METAL WARE CORPORATION, Two Rivers, Wis.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Mar. 8, 1948, Serial No. 522,204. Published July 5, 1949. Class 22.

516,689. LADIES' HANDBAGS. MAX HOLEMAN, doing business as Style-Art Handbags, New York, N. Y.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, Sept. 15, 1948, Serial No. 522,208. Published June 21, 1949. Class 3.

516,690. FEEDS FOR LIVESTOCK AND POULTRY, THE PRINCIPAL INGREDIENTS OF WHICH ARE WHOLE, CRACKED, GROUND OR PULVERIZED GRAINS, MEAT, BONE SCRAPS, FISH MEAL, FISH OILS, ETC. F. H. PEAVEY & COMPANY, Minneapolis, Minn.
Original filed, act of 1905, June 9, 1947; amended to application under act of 1946, Principal Register, Mar. 1, 1948, Serial No. 523,859. Published July 5, 1949. Class 46.

516,691. AIR-CONDITIONING UNITS FOR DOMESTIC, COMMERCIAL AND INDUSTRIAL USE, ETC. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J.
Original filed, act of 1905, June 20, 1947; amended to application under act of 1946, Principal Register, Feb. 6, 1948, Serial No. 524,552. Published July 26, 1949. Class 34.

516,692. AIR-CONDITIONING UNITS FOR DOMESTIC, COMMERCIAL AND INDUSTRIAL USE, ETC. MELCHIOR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J.
Original filed, act of 1905, June 20, 1947; amended to application under act of 1946, Principal Register, Feb. 6, 1948, Serial No. 524,553. Published July 26, 1949. Class 34.

516,693. LATHES AND SCREW MACHINES, ATTACHMENTS AND PARTS THEREOF. THE LODGE AND SHIPLEY COMPANY, Cincinnati, Ohio.
Original filed, act of 1920, June 25, 1947; amended to application under act of 1946, Principal Register, Mar. 1, 1948, Serial No. 524,804. Published July 26, 1949. Class 23.

516,694. HAND APPLICATORS FOR SPREADING LIQUID WAX, AND BOTTLE BRUSHES. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948, Serial No. 524,934. Published July 26, 1949. Class 29.

516,695. PLUG, TWIST, AND SMOKING TOBACCO. TAYLOR BROTHERS, INC., Winston-Salem, N. C.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948, Serial No. 525,448. Published July 5, 1949. Class 17.

516,696. BALL PINS. SOLOMON M. SAGER, doing business as The Graphomatic Corporation, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,893. Published July 12, 1949. Class 37.

516,697. FISHING LINES. B. F. GLADDING & CO. INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,060. Published June 28, 1949. Class 22.

516,698. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,772. Published June 21, 1949. Class 37.

516,699. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed July 5, 1947, Serial No. 527,779. Published July 5, 1949. Class 22.

516,700. EARTH DRILLS. THE BUDA COMPANY, Harvey, Ill.
Filed July 5, 1947, Serial No. 527,852. Published July 12, 1949. Class 23.

516,701. OUTDOOR SLEEPING BAGS, TENNIS-RACKET COVERS, GOLF BAGS, AND BOWLING BALL BAGS. TALON, INC., Meadville, Pa.
Filed July 5, 1947, Serial No. 527,908. Published July 12, 1949. Class 22.

516,702. PAPER ADAPTED TO BE HAND WRITTEN, TYPEWRITTEN, AND/OR PRINTED UPON. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 528,023. Published July 5, 1949. Class 37.

516,702. CAR STEAM LINE CONNECTIONS, LOCOMOTIVE GRATE SHAKERS, AND LOCOMOTIVE FIRE DOORS. FRANKLIN RAILWAY SUPPLY COMPANY, Wilmington, Del., and New York, N. Y.
Filed Aug. 1, 1947, Serial No. 530,196. Published July 5, 1949. Class 34.

516,704. ABDOMINAL STOOLS, ADJUSTABLE HURDLES, BACKSTANDS, BALANCE BOARDS, BAR-BELLS, ETC. FRED MEDART MANUFACTURING COMPANY, St. Louis, Mo., assignor to The Medart Company, St. Louis, Mo., a corporation of Missouri.
Filed Aug. 9, 1947, Serial No. 530,947. Published July 5, 1949. Class 22.

516,705. FROZEN SPLIT PEA SOUP AND DEHYDRATED SPLIT PEAS. ANDERSEN'S FOODS, INC., Spellton, Calif.
Filed Aug. 11, 1947, Serial No. 531,003. Published Mar. 1, 1949. Class 46.

516,706. VELOCIPEDES, CHILDREN'S SCOOTERS, CHILDREN'S BICYCLES. THE HEDSTROM MANUFACTURING COMPANY, Toledo, Ohio.
Filed Aug. 12, 1947, Serial No. 531,133. Published July 12, 1949. Class 22.

516,707. ARTIFICIAL LEATHER PRODUCTS—NAMELY, BOOK AND PROGRAM COVERS. THE S. K. SMITH COMPANY, Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 531,252. Published June 21, 1949. Class 37.

516,708. CANNED APRICOTS, APPLESAUCE, SPICED CRABAPPLES, BLACKBERRIES, LOGANBERRIES, RED RASPBERRIES, STRAWBERRIES, ETC. JOANNES BROTHERS COMPANY, Green Bay, Wis.
Filed Aug. 20, 1947, Serial No. 531,916. Published July 5, 1949. Class 46.

516,709. STAMP BOOKS. THE SPERRY AND HUTCHINSON COMPANY, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,516. Published July 19, 1949. Class 37.

516,710. CANVAS PASTRY BOARD CONSISTING OF PASTRY CLOTHS, ETC. EBENEZARD S. GANDRUD, doing business as E. S. Gandrud, Owatonna, Minn.
Filed Aug. 27, 1947, Serial No. 532,583. Published July 12, 1949. Class 23.

516,711. MOUNTS FOR PHOTOGRAPHS OR THE LIKE THAT ARE MADE ENTIRELY OR IN MAJOR PART OF PAPER AND CARDBOARD. THE CHILCOTE COMPANY, Cleveland, Ohio.
Filed Aug. 28, 1947, Serial No. 532,689. Published July 19, 1949. Class 37.

516,712. DUSTLESS CRAYONS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Aug. 28, 1947, Serial No. 532,781. Published June 21, 1949. Class 37.

516,713. GAS LAMPS AND LANTERNS; HOLLOW-WIRE GAS LIGHTING SYSTEMS AND FIXTURES FOR USING LIQUID FUEL, ETC. THE COLEMAN COMPANY, INC., Wichita, Kans.
Filed Sept. 3, 1947, Serial No. 533,146. Published July 5, 1949. Class 34.

516,714. SNAP BUCKLES. RAU FASTENER COMPANY, Providence, R. I.
Filed Sept. 3, 1947, Serial No. 533,201. Published July 19, 1949. Class 40.

516,715. COSMETICS AND TOILET PREPARATIONS—E. G., NAIL POLISH, NIGHT CREAM, ASTRINGENT LOTION, SKIN LOTION, LIQUID CLEANSING CREAM, FOUNDATION CREAM, LIQUEFYING CREAM, AND CLEANSING CREAM. MARY NOLAN, INC., New York, N. Y.
Filed Sept. 6, 1947, Serial No. 533,660. Published July 26, 1949. Class 6.

516,716. WOOD-ENCASED PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,116. Published June 21, 1949. Class 37.

516,717. LEAD PENCILS AND COLORED PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,117. Published June 21, 1949. Class 37.

516,718. DAIRY FEED COMPOSED OF CEREALS AND OTHER INGREDIENTS. ADA MILLING COMPANY, Ada, Okla.
Filed Sept. 12, 1947, Serial No. 534,224. Published July 5, 1949. Class 46.

516,719. WOOLEN AND WORSTED PIECE GOODS. J. P. STEVENS & CO., INC., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,284. Published July 19, 1949. Class 42.

516,720. TEXTILE FABRICS IN THE PIECE OF CANVAS AND LININGS MADE OF COTTON, LINEN, JUTE, AND COMBINATIONS THEREOF. MAINERS MINTON CO., INC., New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,795. Published Nov. 2, 1948. Class 42.

516,721. CIGARS. REGINA CIGAR CO. INC., doing business as Regina Cigar Company, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 535,352. Published July 5, 1949. Class 17.

516,722. CIGARS. REGINA CIGAR CO. INC., also known as Regina Cigar Company, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 535,353. Published July 5, 1949. Class 17.

516,723. GAMES—NAMELY, SHUFFLEBOARDS. AMERICAN SHUFFLEBOARD COMPANY, Union City, N. J.
Filed Sept. 30, 1947, Serial No. 536,215. Published July 19, 1949. Class 22.

516,724. CANNED FRUITS, CANNED VEGETABLES, AND CANNED CITRUS FRUIT JUICES—NAMELY, AMBROSIA (ORANGE, COCONUT AND FLAVORING), ORANGE JUICE, ETC. MITCHELL CANNERIES, INC., Ft. Meade, Fla., and Thomasville, Ga.
Filed Sept. 30, 1947, Serial No. 536,270. Published July 12, 1949. Class 46.

516,725. ANTACID ABSORBENT PREPARATION FOR THE TREATMENT OF GASTRIC HYPERACIDITY. DREW PHARMACAL CO., INC., New York, N. Y.
Filed Oct. 2, 1947, Serial No. 536,503. Published July 12, 1949. Class 6.

516,726. SOFTBALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Oct. 3, 1947, Serial No. 536,650. Published June 14, 1949. Class 22.

516,727. SMOKING AND CHEWING TOBACCO. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,917. Published Apr. 20, 1948. Class 17.

516,728. PLIERS. CHAMPION DE ARMENT TOOL COMPANY, Meadville, Pa.
Filed Oct. 7, 1947, Serial No. 537,006. Published July 12, 1949. Class 23.

516,729. GOLF BALLS. ACUSHNET PROCESS COMPANY, New Bedford, Mass.
Filed Oct. 9, 1947, Serial No. 537,273. Published July 12, 1949. Class 22.

516,730. KEY OPERATED GAS RANGE COCKS. THE CLEVELAND COOPERATIVE STOVE COMPANY, Cleveland, Ohio, now by change of name Grand Industries, Inc., a corporation of Ohio.
Filed Oct. 13, 1947, Serial No. 537,662. Published July 12, 1949. Class 13.

516,731. PERFUMES AND TOILET WATERS. PARKINSON LECOURT CO., INC., New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,162. Published July 26, 1949. Class 6.

516,732. CANNED SLICED APPLES, CANNED GREEN ASPARAGUS, CANNED ASPARAGUS SPEARS, ETC. TOM BOY, INC., St. Louis, Mo.
Filed Oct. 17, 1947, Serial No. 538,196. Published July 5, 1949. Class 46.

516,733. BAKING SHEETS AND BAKING PANS USED IN BAKING A VARIETY OF PRODUCTS, SUCH AS BREAD, BUNS, CAKES, MUFFINS, COOKIES, CANDY, ROLLS, PUDDINGS, PIES AND CUP CAKES, ALL MADE OF BASE METAL. CHICAGO METALLIC MANUFACTURING CO., Chicago, Ill.
Filed Oct. 18, 1947, Serial No. 538,244. Published July 26, 1949. Class 13.

516,734. WOOLEN AND WORSTED PIECE GOODS USED FOR THE MANUFACTURE OF WEARING APPAREL. FORSTMANN WOOLEN COMPANY, Passaic, N. J.
Filed Aug. 24, 1948, Serial No. 548,924. Published July 26, 1949. Class 42.

516,735. NON-FAT DRY MILK SOLIDS. GOLDEN STATE COMPANY, LTD., San Francisco, Calif.
Filed Oct. 20, 1947, Serial No. 538,399. Published July 5, 1949. Class 46.

516,736. CANNED TUNA. EMIL GUERRERO, doing business as Wilmington Fisheries, Wilmington, Calif.
Filed Oct. 20, 1947, Serial No. 538,407. Published July 12, 1949. Class 46.

516,737. FRENCH DRESSING. RARE RECIPES, Pine Plains, N. Y.
Filed Oct. 22, 1947, Serial No. 538,594. Published July 5, 1949. Class 46.

516,738. TENNIS RACKETS AND BADMINTON RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Oct. 22, 1947, Serial No. 538,668. Published June 21, 1949. Class 22.

516,739. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, AND TABLE TENNIS BATS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Oct. 22, 1947, Serial No. 538,669. Published June 14, 1949. Class 22.

516,740. HAIR TONIC, OIL AND DANDRUFF REMOVER SHAMPOOS. THE F. W. FITCH COMPANY, Des Moines, Iowa, assignor to The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.
Filed Oct. 24, 1947, Serial No. 538,901. Published July 19, 1949. Class 6.

516,741. STUFFED ANIMAL TOYS. ESTHER FAYNE, New York, N. Y.
Filed Oct. 27, 1947, Serial No. 539,147. Published July 5, 1949. Class 22.

516,742. CANDIES. C. S. ALLEN CORPORATION, New York, N. Y.
Filed Oct. 29, 1947, Serial No. 539,375. Published July 12, 1949. Class 46.

516,743. POULTRY FEEDS COMPOSED OF A COMBINATION OF GRAINS WITH OR WITHOUT OTHER INGREDIENTS. HALES & HUNTER CO., Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,696. Published July 12, 1949. Class 46.

516,744. POULTRY FEEDS COMPOSED OF A COMBINATION OF GRAINS WITH OR WITHOUT OTHER INGREDIENTS. HALES & HUNTER CO., Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,697. Published July 12, 1949. Class 46.

516,745. HONEY, APPLE SAUCE, OLIVE OIL, PREPARED SPAGHETTI, TOMATO JUICE, AND NOODLES. THE QUAKER MAID COMPANY, INC., New York, N. Y.
Filed Nov. 1, 1947, Serial No. 539,899. Published July 12, 1949. Class 46.

516,746. DAIRY FEED, HORSE FEED, RABBIT FEED, AND POULTRY FEED, THE PRINCIPAL INGREDIENTS OF WHICH ARE GROUND GRAINS, WHOLE OR GROUND CEREAL GRAINS, GRAIN BY-PRODUCTS AND SEED CONCENTRATES; AND PIG AND HOG MEAL AND CALF MEAL. DIETRICH & GAMBRILL, INC., Frederick, Md., and Lewisburg, Pa.
Filed Nov. 3, 1947, Serial No. 539,941. Published July 5, 1949. Class 46.

516,747. MOTH KILLING LIQUID CHEMICAL COMPOUND. WADE, WENGER & ASSOCIATES, INC., Chicago, Ill.
Filed Nov. 4, 1947, Serial No. 540,127. Published July 26, 1949. Class 6.

516,748. AERATOR ATTACHMENTS FOR WATER FAUCETS AND OTHER WATER OUTLETS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed Nov. 5, 1947, Serial No. 540,181. Published July 26, 1949. Class 13.

516,749. CANNED FRUITS. F. M. BALL & COMPANY, Oakland, Calif.
Filed Nov. 7, 1947, Serial No. 540,365. Published July 12, 1949. Class 46.

516,750. PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS. TROOP WATER HEATER COMPANY, Pittsburgh, Pa.
Filed Nov. 7, 1947, Serial No. 540,489. Published June 21, 1949. Class 34.

516,751. PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, STEAM HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS, AND DOMESTIC AND INDUSTRIAL TYPES OF HEAT EXCHANGERS AND PRE-HEATERS. TROOP WATER HEATER COMPANY, Pittsburgh, Pa.
Filed Nov. 7, 1947, Serial No. 540,490. Published June 21, 1949. Class 34.

516,752. PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS. TROOP WATER HEATER COMPANY, Pittsburgh, Pa.
Filed Nov. 7, 1947, Serial No. 540,491. Published June 21, 1949. Class 34.

516,753. SACHET BAGS OF TEXTILE FABRIC IN THE FORM OF NOVELTY GIFT ENVELOPES. MARGARET P. EDGER, Louisville, Ky.
Filed Nov. 10, 1947, Serial No. 540,650. Published July 5, 1949. Class 40.

516,754. CANNED FRUITS. FRUITVALE CANNING COMPANY, Oakland, Calif.
Filed Nov. 10, 1947, Serial No. 540,661. Published July 12, 1949. Class 46.

516,755. CANDY BARS. MCAFEE CANDY CO., INC., Macon, Ga.
Filed Nov. 10, 1947, Serial No. 540,688. Published June 14, 1949. Class 46.

516,756. THREAD COATED WITH CELLULOSIC MATERIAL AND PARTIALLY CROCHETED FOR USE IN HAND CROCHETING AND HAND KNITTING VARIOUS ARTICLES. PLEXON, INC., New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,708. Published July 26, 1949. Class 43.

516,757. CANDY AND OTHER FOOD PRODUCTS—NAMELY, CANDY BARS, CANDY FRUIT DROPS, COOKIES, CARAMEL COATED POPCORN, CORN MUFFIN MIX, ETC. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,787. Published July 5, 1949. Class 46.

516,758. POWDER PUFFS. WALGREEN CO., Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 541,055. Published July 12, 1949. Class 29.

516,759. GAME BOARD ON WHICH MAY BE PLAYED A GAME SIMULATING AN AUTOMOBILE TRIP. FLOYD O. BOWMAN, Lansing, Mich.
Filed Nov. 14, 1947, Serial No. 541,073. Published June 21, 1949. Class 22.

516,760. MERCHANDISING CABINETS. THE LAMSON & SESSIONS CO., Cleveland, Ohio.
Filed Nov. 14, 1947, Serial No. 541,149. Published June 28, 1949. Class 32.

516,761. GYMNASIUM APPARATUS—NAMELY, ROWING MACHINES, SKIP ROPES, ETC. HENRY MOSELL & CO., INC., New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,158. Published July 5, 1949. Class 22.

516,762. CAST IRON GROUND WARE—NAMELY, SKILLETS, DUTCH OVENS, CHICKEN FRYERS, AND GRIDDLES, ETC. THE VOLLRATH CO., Sheboygan, Wis.
Filed Nov. 14, 1947, Serial No. 541,284. Published July 26, 1949. Class 13.

516,763. BAG FRAMES, PURSE FRAMES, AND POCKETBOOK FRAMES. THE J. E. MEROOTT CO., Newark, N. J.
Filed Nov. 15, 1947, Serial No. 541,378. Published July 26, 1949. Class 3.

516,764. CHICKEN TAMALES (CANNED AND FRESH), CANNED FOODS—NAMELY, SOUP, CHICKEN AND NOODLES, CHICKEN BROTH, CHICKEN MEAT, AND TURKEY MEAT. STIDD'S, INC., Portland, Oreg.
Filed Nov. 17, 1947, Serial No. 541,474. Published July 5, 1949. Class 46.

516,765. ALLERGEN PREPARATIONS, ANALEPTIC PREPARATIONS, ANDROGENIC PREPARATIONS, ETC. STANDARD PHARMACEUTICAL CO., INC., New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,600. Published July 12, 1949. Class 6.

516,766. LAWN MOWERS. THE MOTO-MOWER COMPANY, Detroit, Mich.
Filed Sept. 2, 1947, Serial No. 541,734. Published July 26, 1949. Class 23.

516,767. DUST MOPS. O-CEDAR CORP'N, Chicago, Ill.
Filed July 26, 1947, Serial No. 541,770. Published July 26, 1949. Class 29.

516,768. DUST MOPS. O-CEDAR CORP'N, Chicago, Ill.
Filed July 26, 1947, Serial No. 541,772. Published July 26, 1949. Class 29.

516,769. VITREOUS CHINA WATER CLOSETS, TANKS, AND BOWLS. KOKOMO SANITARY POTTERY CORPORATION, Chicago, Ill., and Kokomo, Ind.
Filed Nov. 21, 1947, Serial No. 541,935. Published July 19, 1949. Class 13.

516,770. SMOKED HERRING. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass.
Filed Nov. 25, 1947, Serial No. 542,307. Published July 5, 1949. Class 46.

516,771. HOISTS AND WINCHES MOUNTED ON AUTOMOTIVE TRUCKS AND COMPONENT PARTS THEREOF. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,504. Published July 19, 1949. Class 23.

516,772. HOISTS AND WINCHES MOUNTED ON AUTOMOTIVE TRUCKS AND COMPONENT PARTS THEREOF. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,509. Published July 19, 1949. Class 23.

516,773. LEATHER SUIT AND TRAVELING BAGS, FITTED OVERNIGHT BAGS, HAND BAGS AND PURSES, ETC. PRINCE GARDNER COMPANY, St. Louis, Mo.
Filed Nov. 28, 1947, Serial No. 542,652. Published June 21, 1949. Class 3.

516,774. NYLON FLANNEL FABRIC. BURGESS-BERLINER ASSOCIATES, St. Charles, Ill.
Filed Nov. 29, 1947, Serial No. 542,746. Published July 5, 1949. Class 42.

516,775. PIPINGS AND TRIMMINGS OF LEATHER AND OF FABRIC AS USED BY SHOE MANUFACTURERS AND LADIES' HANDBAG MANUFACTURERS. WAVERSHOS TRIMMING CO., INC., New York, N. Y.
Filed Dec. 1, 1947, Serial No. 542,897. Published June 28, 1949. Class 40.

516,776. TURTLE SOUP. NORBERG THOMPSON, doing business as A. Granday Canning Co., Key West, Fla.
Filed Dec. 3, 1947, Serial No. 543,237. Published July 5, 1949. Class 46.

516,777. PORTABLE METAL RAILINGS FOR BAR COUNTERS TO INSURE COUNTER WORKING SPACE. HARRY L. MILLBERG, doing business as Millberg Company, Minneapolis, Minn.
Filed December 4, 1947, Serial No. 543,313. Published July 26, 1949. Class 13.

516,778. MEDICINAL PREPARATIONS — NAMELY, VITAMIN TABLETS; VITAMIN TONIC PREPARATION IN LIQUID FORM; COPPER-IRON TONIC IN LIQUID FORM, ETC. BORCHERDT MALT EXTRACT COMPANY, Chicago, Ill.
Filed Dec. 6, 1947, Serial No. 543,561. Published July 26, 1949. Class 6.

516,779. TOY FOOTBALLS AND FOOTBALLS. FRANKLIN MANUFACTURING COMPANY, INC., Brockton, Mass.
Filed Dec. 6, 1947, Serial No. 543,589. Published June 21, 1949. Class 22.

516,780. TOY FOOTBALLS AND FOOTBALLS. FRANKLIN MANUFACTURING COMPANY, INC., Brockton, Mass.
Filed Dec. 6, 1947, Serial No. 543,591. Published June 21, 1949. Class 22.

516,781. TOY FOOTBALLS AND FOOTBALLS. FRANKLIN MANUFACTURING COMPANY, INC., Brockton, Mass.
Filed Dec. 6, 1947, Serial No. 543,592. Published June 21, 1949. Class 22.

516,782. TOY FOOTBALLS AND FOOTBALLS. FRANKLIN MANUFACTURING COMPANY, INC., Brockton, Mass.
Filed Dec. 6, 1947, Serial No. 543,594. Published June 21, 1949. Class 22.

516,783. FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed Dec. 10, 1947, Serial No. 543,974. Published Nov. 16, 1948. Class 42.

516,784. CANNED FOOD PRODUCT MANUFACTURED WITH MACARONI, BEANS, AND MEAT IN TOMATO SAUCE. VENICE MAID CO., INC., Vineland, N. J.
Filed Dec. 10, 1947, Serial No. 544,010. Published July 5, 1949. Class 46.

516,785. EYE GLASS CASES. EDITH ROHRLICH, New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,114. Published June 21, 1949. Class 26.

516,786. PIPE UNIONS. DEFIANCE AUTOMATIC SCREW COMPANY, Defiance, Ohio.
Filed Dec. 12, 1947, Serial No. 544,156. Published July 19, 1949. Class 13.

516,787. PEANUT BUTTER. WORTHINGTON FOODS, INC., Worthington, Ohio.
Filed Dec. 13, 1947, Serial No. 544,310. Published July 5, 1949. Class 46.

516,788. FOOD FLAVORINGS FOR FOOD PURPOSES. VERA M. BLUEM, doing business as Zebest Products Co. of California, Los Angeles, Calif.
Filed Dec. 15, 1947, Serial No. 544,819. Published July 12, 1949. Class 46.

516,789. FRESH CITRUS FRUITS. LEPPLA-PRATT PRODUCE DISTRIBUTORS, INCORPORATED, Phoenix, Ariz.
Filed Dec. 15, 1947, Serial No. 544,854. Published July 12, 1949. Class 46.

516,790. FRESH CITRUS FRUITS. LEPPLA-PRATT PRODUCE DISTRIBUTORS, INCORPORATED, Phoenix, Ariz.
Filed Dec. 15, 1947, Serial No. 544,856. Published July 12, 1949. Class 46.

516,791. MEASURING, CONTROLLING, AND REGULATING INSTRUMENTS, SYSTEMS, AND APPARATUS—NAMELY, RECORDERS, ETC. BAILEY METER COMPANY, Cleveland, Ohio.
Filed Sept. 26, 1947, Serial No. 544,505. Published June 21, 1949. Class 26.

516,792. DECALCOMANIA PAPER. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Oct. 8, 1947, Serial No. 544,641. Published June 21, 1949. Class 37.

516,793. GASOLINE AND KEROSENE LANTERNS AND LAMPS AND INCANDESCENT MANTLES AND REFLECTORS THEREFOR, AND FOR BLOW TORCHES. S. F. APPLIANCES, LIMITED, Ridgefield, N. J.
Filed Dec. 18, 1947, Serial No. 544,782. Published June 21, 1949. Class 34.

516,794. COFFEE MAKING UTENSIL. WEST BEND ALUMINUM CO., West Bend, Wis.
Filed Dec. 18, 1947, Serial No. 544,800. Published July 26, 1949. Class 13.

516,795. COFFEE MAKING UTENSIL. WEST BEND ALUMINUM CO., West Bend, Wis.
Filed Dec. 18, 1947, Serial No. 544,801. Published July 26, 1949. Class 13.

516,796. TRACING CLOTH. ARKWRIGHT FINISHING COMPANY, Providence, R. I.
Filed Dec. 20, 1947, Serial No. 544,963. Published June 21, 1949. Class 37.

516,797. POTATO CHIPS. GEORGE G. EGER, doing business as The Eger Co., Sandusky, Ohio, and Woodhaven, N. Y.
Filed Dec. 20, 1947, Serial No. 544,986. Published July 5, 1949. Class 46.

516,798. READY-TO-COOK APPETIZERS MADE OF CHEESE, FLOUR, AND SPICES. MARJORIE C. VICTOR, doing business as Veet Food Products, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,816. Published July 5, 1949. Class 46.

516,799. LARD. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,375. Published July 5, 1949. Class 46.

516,800. MINCE MEAT, CURRANTS, DATES, AND PREPARED FRUIT PECTIN. THE W. H. MARVIN COMPANY, Urbana, Ohio.
Filed Dec. 24, 1947, Serial No. 545,381. Published July 5, 1949. Class 46.

516,801. RANGE BOILERS. NATIONAL STEEL CONSTRUCTION CO., Seattle, Wash.
Filed Dec. 30, 1947, Serial No. 545,755. Published June 21, 1949. Class 34.

516,802. LOOSE LEAF POST BINDERS. NATIONAL BLANK BOOK COMPANY, Holyoke, Mass.
Filed Jan. 2, 1948, Serial No. 546,016. Published July 12, 1949. Class 37.

516,803. WRITING PAPERS, PRINTING PAPERS, CORRESPONDENCE CARDS, ANNOUNCEMENT PAPERS, BLANK ANNOUNCEMENT CARDS, BRISTOL PAPERS, BRISTOL BOARDS, AND MAILING AND CORRESPONDENCE ENVELOPES. SCHLOSSER PAPER CORPORATION, New York, N. Y.
Filed Jan. 2, 1948, Serial No. 546,056. Published June 28, 1949. Class 37.

516,804. LARD. DOLD PACKING CORPORATION, Buffalo, N. Y.
Filed Jan. 6, 1948, Serial No. 546,285. Published July 5, 1949. Class 46.

516,805. COFFEE. BAKER IMPORTING COMPANY, New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,344. Published July 5, 1949. Class 46.

516,806. GAS WELDING AND CUTTING APPARATUS AND SUPPLIES, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 7, 1948, Serial No. 546,412. Published June 28, 1949. Class 34.

516,807. OUTBOARD MOTORS AND PARTS. OUTBOARD, MARINE AND MANUFACTURING COMPANY, Waukegan, Ill.
Filed Jan. 7, 1948, Serial No. 546,421. Published July 26, 1949. Class 23.

516,808. GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 9, 1948, Serial No. 546,594. Published June 21, 1949. Class 34.

516,809. REFLECTORS — NAMELY, REFLECTING DISCS ADAPTED TO BE WORN ON CLOTHING. RALPH E. BLANCHARD, doing business as The Rebian Co., Winnetka, Ill.
Filed Jan. 10, 1948, Serial No. 546,645. Published June 21, 1949. Class 34.

516,810. FRESH VEGETABLES. MAX LUTZ, Nampa, Idaho.
Filed Jan. 10, 1948, Serial No. 546,714. Published May 10, 1949. Class 46.

516,811. EDIBLE SOY FLOUR. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed Jan. 13, 1948, Serial No. 546,881. Published July 5, 1949. Class 46.

516,812. LAUNDERED MILL ENDS USED AS WIPERS, WIPING CLOTHS, AND DUSTING CLOTHS. BAYLIS SANITARY SUPPLY CO., Chicago, Ill.
Filed Jan. 20, 1948, Serial No. 547,510. Published July 26, 1949. Class 29.

516,813. FRESH EGGS. POULTRY PRODUCERS OF CENTRAL CALIFORNIA, San Francisco, Calif.
Filed Jan. 20, 1948, Serial No. 547,572. Published July 5, 1949. Class 46.

516,814. WET-STRENGTH PAPER. H. P. SMITH PAPER COMPANY, Chicago, Ill.
Filed Jan. 22, 1948, Serial No. 547,783. Published June 21, 1949. Class 37.

516,815. MALTED MILK. ADOLPH COORS COMPANY, Golden, Colo.
Filed Jan. 23, 1948, Serial No. 547,836. Published July 12, 1949. Class 46.

516,816. TEXTILE FABRICS MADE OF COTTON FIBRES AND RAYON FILAMENT. LONSDALE COMPANY, Providence, R. I.
Filed Jan. 24, 1948, Serial No. 547,922. Published July 5, 1949. Class 42.

516,817. CANDIES. CHARLES E. LORD, Hornell, N. Y.
Filed Jan. 24, 1948, Serial No. 547,923. Published July 5, 1949. Class 46.

516,818. PALLET AND SKID PLATFORMS. WILLIFORD MANUFACTURING COMPANY, Memphis, Tenn.
Filed Jan. 28, 1948, Serial No. 548,205. Published July 5, 1949. Class 50.

516,819. SETS OF PLAYING CARDS. SIMON BRAUDE, Paris, France.
Filed Feb. 2, 1948, Serial No. 548,571. Published July 5, 1949. Class 22.

516,820. COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE. ARMOUR AND COMPANY, Chicago, Ill.
Filed Feb. 3, 1948, Serial No. 548,629. Published July 12, 1949. Class 4.

516,821. SWIEBACK. United Biscuit Company of America, doing business under the style name of Manchester Biscuit Division, Chicago, Ill., Sioux Falls, S. Dak., and elsewhere.
Filed Feb. 3, 1948, Serial No. 548,699. Published July 5, 1949. Class 46.

516,822. BASEBALL GLOVES AND MITTS. Wilson Sporting Goods Co., Chicago, Ill.
Filed Feb. 3, 1948, Serial No. 548,701. Published July 5, 1949. Class 22.

516,823. CASTING AND FISHING FLOATS. Virgil L. Lowrie, Fort Worth, Tex.
Filed Feb. 10, 1948, Serial No. 549,265. Published July 5, 1949. Class 22.

516,824. CRANBERRY SAUCE; FRUIT PRESERVES—NAMELY, GOOSEBERRY, ETC. First National Stores Inc., Somerville, Mass.
Filed Feb. 16, 1948, Serial No. 549,433. Published July 5, 1949. Class 46.

516,825. COASTING VEHICLE PROVIDED WITH SNOW RUNNERS ON WHICH USER IS ADAPTED TO STAND. Polaron Products, Inc., New Rochelle, N. Y.
Filed Feb. 14, 1948, Serial No. 549,752. Published June 21, 1949. Class 22.

516,826. GAFF HOOKS, FROG SPEARS, ICE SPUDS, AND FISH SPEARS. Russell Jamison, doing business as Bridgeport Tool Company, Saginaw, Mich.
Filed Feb. 17, 1948, Serial No. 549,934. Published July 5, 1949. Class 22.

516,827. PICNIC OR OUT OF DOOR STOVES. Union Steel Products Company, Albion, Mich.
Filed Feb. 17, 1948, Serial No. 549,939. Published July 5, 1949. Class 34.

516,828. FABRICS IN THE PIECE OF RAYON. Charmette Fabrics Company, Inc., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,486. Published July 19, 1949. Class 42.

516,829. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. Neenah Paper Company, Neenah, Wis.
Filed Feb. 25, 1948, Serial No. 550,543. Published July 19, 1949. Class 37.

516,830. SALT AND CELERY MIXTURE TO BE USED IN FLAVORING FOODS. The Great American Tea Company, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,689. Published July 5, 1949. Class 46.

516,831. CANNED SARDINES. M. J. & H. J. Meyer Co. Inc., Brooklyn, N. Y.
Filed Feb. 27, 1948, Serial No. 550,715. Published July 5, 1949. Class 46.

516,832. BABY SWINGS. Welsh Co., St. Louis, Mo.
Filed Feb. 27, 1948, Serial No. 550,763. Published June 21, 1949. Class 22.

516,833. VITAMIN CONCENTRATE. Edward S. Heil, doing business as Pas-Cal Company, Pasadena, Calif., assignor to Leslie C. Ward, Pasadena, Calif.
Filed Feb. 28, 1948, Serial No. 550,807. Published July 26, 1949. Class 6.

516,834. MIDDLE-BREAKER PLOWS AND PARTS THEREOF. Brinly-Hardy Company, Louisville, Ky.
Filed Mar. 1, 1948, Serial No. 550,894. Published July 12, 1949. Class 23.

516,835. TAPIOCA DESSERT MIX IN POWDER FORM. The Great American Tea Company, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,912. Published July 5, 1949. Class 46.

516,836. PREPARATION CONSISTING OF ROASTED RYE, WHEAT, AND CHICORY TO BE USED FOR BLENDING WITH COFFEE. The Great American Tea Company, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,914. Published July 5, 1949. Class 46.

516,837. IMITATION VANILLA FOOD FLAVORING, COCOA, FRUIT CAKE MIXTURE, AND EXTRACTS FOR FLAVORING FOODS—NAMELY, ALMOND, ORANGE, AND LEMON. The Great American Tea Company, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,918. Published July 5, 1949. Class 46.

516,838. PROTECTIVE PLASTIC COVERS FOR CLOTHING, HOUSEHOLD APPLIANCES, AND BOWLS. Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind.
Filed Mar. 3, 1948, Serial No. 551,109. Published July 5, 1949. Class 50.

516,839. WRITING PAPER, PRINTING PAPER, CORRESPONDENCE ENVELOPES AND PAPER FOR BONDS, SECURITIES, AND CURRENCY. Crane & Co., Inc., Dalton, Mass.
Filed Mar. 5, 1948, Serial No. 551,247. Published June 21, 1949. Class 37.

516,840. WRITING PAPER, PRINTING PAPER, CORRESPONDENCE ENVELOPES, AND PAPER FOR BONDS, SECURITIES, AND CURRENCY. Crane & Co., Inc., Dalton, Mass.
Filed Mar. 5, 1948, Serial No. 551,248. Published June 21, 1949. Class 37.

516,841. GLAZIERS' POINTS. Walter H. Jones, doing business as Lakeshore Products, Seattle, Wash.
Filed Mar. 5, 1948, Serial No. 551,282. Published July 19, 1949. Class 13.

516,842. FRESH CITRUS FRUITS. Redlands Select Groves, Redlands, Calif.
Filed Mar. 5, 1948, Serial No. 551,312. Published July 5, 1949. Class 46.

516,843. WHEAT FLOUR. Standard Milling Company, Chicago, Ill.
Filed Mar. 6, 1948, Serial No. 551,413. Published July 5, 1949. Class 46.

516,844. WHEAT FLOUR. Standard Milling Company, Chicago, Ill.
Filed Mar. 6, 1948, Serial No. 551,414. Published July 5, 1949. Class 46.

516,845. CAST METAL SHOE LASTS AND STANDS. The Dalton Foundries, Inc., Warsaw, Ind.
Filed Mar. 9, 1948, Serial No. 551,545. Published July 19, 1949. Class 23.

516,846. AIR CYLINDERS FOR HOLDING OPERATIONS AND AIR PRESSES. Air-Mite, Chicago, Ill.
Filed Mar. 10, 1948, Serial No. 551,602. Published July 12, 1949. Class 23.

516,847. OLIVE RELISH AND UNCOATED WHITE RICE. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Mar. 11, 1948, Serial No. 551,709. Published July 5, 1949. Class 46.

516,848. PLAYING CARDS. Arco Playing Card Company, Chicago, Ill.
Filed Mar. 13, 1948, Serial No. 551,847. Published June 21, 1949. Class 22.

516,849. DRIED FRUITS. Theodore Matthew, doing business as Dried Fruit Specialties, San Francisco, Calif.
Filed Mar. 17, 1948, Serial No. 552,157. Published July 5, 1949. Class 46.

516,850. DRESS FORMS. Frank S. Sander, New York, N. Y.
Filed Feb. 17, 1948, Serial No. 552,199. Published July 5, 1949. Class 50.

516,851. STEREOTYPE MATS OR MATRICES. Wood Flong Corporation, Hoosick Falls, N. Y.
Filed Dec. 10, 1947, Serial No. 552,327. Published July 5, 1949. Class 50.

516,852. DECORATIVE TABLE LINEN—NAMELY, TABLECLOTHS, NAPKINS, DOILIES, PLACE MATS, AND FURNITURE SCARVES. Bernhard Ulmann Co. Inc., Long Island City, N. Y.
Filed Mar. 19, 1948, Serial No. 552,417. Published May 31, 1949. Class 42.

516,853. METALLIC SUPPORTS FOR GARBAGE CONTAINERS AND THE LIKE FOR DOMESTIC USE. Highland Industries, Inc., Denver, Colo.
Filed Mar. 20, 1948, Serial No. 552,588. Published July 19, 1949. Class 13.

516,854. WINDOW CURTAINS, DRAPERIES, AND BEDSPREADS. Saltzson Drapery Company, Philadelphia, Pa.
Filed Mar. 23, 1948, Serial No. 552,805. Published July 12, 1949. Class 42.

516,855. WRITING PAPERS. West Virginia Pulp and Paper Company, New York, N. Y.
Filed Mar. 25, 1948, Serial No. 553,041. Published July 5, 1949. Class 37.

516,856. PERFUMERY. Georges Fuchs, Ltd., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,096. Published July 26, 1949. Class 6.

516,857. WINDOW CURTAINS AND DRAPERIES. Leslie Textiles, Inc., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,117. Published July 5, 1949. Class 42.

516,858. BUTTONS FOR CLOTHING. Lacrinoid Products Limited, Gidea Park, England.
Filed Mar. 30, 1948, Serial No. 553,383. Published July 5, 1949. Class 40.

516,859. HORMONE PREPARATIONS FOR INTERNAL ADMINISTRATION. Rare Chemicals, Inc., Harrison, N. J.
Filed Apr. 2, 1948, Serial No. 553,744. Published July 26, 1949. Class 6.

516,860. SKIN CREAMS—NAMELY, NIGHT CREAMS. Eleanor M. D'Aoust, Philadelphia, Pa.
Filed Apr. 5, 1948, Serial No. 553,820. Published July 26, 1949. Class 6.

516,861. FLY SWATTERS. Clover Farm Stores Corporation, Cleveland, Ohio.
Filed Apr. 8, 1948, Serial No. 554,089. Published July 19, 1949. Class 50.

516,862. ALUMINUM COOKING UTENSILS—NAMELY, TEA KETTLES, ETC. Illinois Pure Aluminum Company, Lemont, Ill.
Filed Apr. 8, 1948, Serial No. 554,118. Published July 19, 1949. Class 13.

516,863. SPECIALLY TREATED AND PREPARED FLUORESCENT DRAWING PAPERS AND ILLUSTRATION BOARD. Kemart Corporation, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,124. Published July 5, 1949. Class 37.

516,864. IRRIGATION CONTROL GATES. Page Metal Products Corp., Denver, Colo.
Filed Apr. 12, 1948, Serial No. 554,400. Published July 26, 1949. Class 13.

516,865. MATTRESSES. S. Karpen & Bros., Chicago, Ill.
Filed Apr. 15, 1948, Serial No. 554,676. Published July 5, 1949. Class 32.

516,866. WIPING RAGS ADAPTED TO BE USED TO WIPE UP GREASE AND TO WASH MACHINERY, WOODWORK, AND THE LIKE. Samuel Blend, Dallas, Tex.
Filed Apr. 16, 1948, Serial No. 554,762. Published July 26, 1949. Class 29.

516,867. FACIAL AND TOILET TISSUES. Thomson Paper Mills, Inc., Thomson, N. Y.
Filed Apr. 21, 1948, Serial No. 555,209. Published June 21, 1949. Class 37.

516,868. SEPARABLE SLIDE FASTENERS AND PARTS THEREOF. Charles Zitren, doing business as Variety Button & Notion Co., New York, N. Y.
Filed Apr. 21, 1948, Serial No. 555,230. Published July 26, 1949. Class 18.

516,869. PRINTED BLANKS FOR FILING IN INFORMATION ABOUT AUTOMOBILE TRIPS. Anthony C. Tis, Brooklyn, N. Y.
Filed Apr. 22, 1948, Serial No. 555,323. Published July 12, 1949. Class 37.

516,870. DYES AND DYESTUFFS. Geigy Company, Inc., New York, N. Y.
Filed Apr. 23, 1948, Serial No. 555,402. Published July 12, 1949. Class 6.

516,871. PREPARATIONS FOR THE PURIFICATION AND/OR TREATMENT OF WATER AND OTHER AQUEOUS LIQUIDS, ETC. Mathew M. Kutsee, Jr., doing business as Ibex Chemical Company, Chicago, Ill.
Filed Apr. 23, 1948, Serial No. 555,417. Published July 26, 1949. Class 6.

516,872. INFLATABLE BALLS. George E. Mousley, Inc., New York, N. Y.
Filed Apr. 24, 1948, Serial No. 555,552. Published June 21, 1949. Class 22.

516,873. TOY BALLOON ANIMALS. The Oak Rubber Company, Ravenna, Ohio.
Filed Apr. 27, 1948, Serial No. 555,689. Published June 21, 1949. Class 22.

516,874. ANTHELMINTICS, ANTIGENS, BACTERINS, DISINFECTANTS, FUMIGANTS, ETC. Dr. Salsbury's Laboratories, Charles City, Iowa.
Filed Apr. 30, 1948, Serial No. 555,964. Published July 26, 1949. Class 6.

516,875. BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, CHANGE PURSES, SUITCASES, WARDROBE CASES, VALISES, OVERNIGHT BAGS, AND POCKETBOOKS. Columbia Wallescraft Ltd., New York, N. Y.
Filed May 3, 1948, Serial No. 556,075. Published June 28, 1949. Class 3.

516,876. CANNED TUNA FISH. H. B. Kennerly & Son, Nanticoke, Md.
Filed May 3, 1948, Serial No. 556,105. Published July 12, 1949. Class 46.

516,877. SMOKING AND CHEWING TOBACCO. Brown & Williamson Tobacco Corporation, Louisville, Ky.
Filed May 4, 1948, Serial No. 556,174. Published July 5, 1949. Class 17.

516,878. TOY RUBBER BALLOONS. Bayshore Industries, Inc., Elkton, Md.
Filed May 5, 1948, Serial No. 556,241. Published June 21, 1949. Class 22.

516,879. COMPRESSED INDUSTRIAL GASES—NAMELY, COMBINATIONS OF HYDROGEN WITH HYDROCARBON AND USEFUL AS FUELS. National Cylinder Gas Company, Chicago, Ill.
Filed May 6, 1948, Serial No. 556,361. Published July 26, 1949. Class 6.

516,880. ARTICLES OF WEARING APPAREL FOR WOMEN AND GIRLS—NAMELY, DRESSES, SUITS, COATS, HATS, AND ARTICLES OF FOOTWEAR MADE IN WHOLE OR IN PART OF RUBBER, LEATHER OR FABRIC AS FOLLOWS: SHOES, OVERSHOES, BOOTS, AND RUBBERS. B. Altman & Co., New York, N. Y.
Filed May 8, 1948, Serial No. 556,525. Published July 5, 1949. Class 39.

516,881. PAPER NAPKINS. Frank M. Sayford Company Incorporated, Brooklyn, N. Y.
Filed May 11, 1948, Serial No. 556,825. Published July 12, 1949. Class 37.

516,882. CRAYONS. BINNEY & SMITH COMPANY, New York, N. Y.
Filed May 12, 1948, Serial No. 556,864. Published July 5, 1949. Class 37.

516,883. BOND PAPER. LEE PAPER COMPANY, Vicksburg, Mich.
Filed May 12, 1948, Serial No. 556,899. Published June 21, 1949. Class 37.

516,884. STUFFED TOYS—NAMELY, STUFFED DOLLS AND ANIMALS. RICHARD G. KRUMSE, INCORPORATED, New York, N. Y.
Filed May 14, 1948, Serial No. 557,048. Published June 14, 1949. Class 22.

516,885. CARD GAME. LALLA MAPLES, Granville, N. Y.
Filed May 14, 1948, Serial No. 557,057. Published June 14, 1949. Class 22.

516,886. CLEAR, AND PIGMENTED RESIN-BASE EMULSIONS FOR USE IN PRINTING AND DECORATING FABRICS. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed May 18, 1948, Serial No. 557,319. Published July 19, 1949. Class 6.

516,887. TOILET TISSUE, PAPER TOWELS, AND PAPER NAPKINS. WHITE-WASHBURNS COMPANY, INC., Hinsdale, N. H.
Filed May 19, 1948, Serial No. 557,423. Published July 5, 1949. Class 37.

516,888. LEATHER GOODS—NAMELY, BILLFOLDS, KEY CASES, COIN PURSES, LETTER CASES, DRESSING CASES, PORTFOLIOS, BRIEF CASES, RING BINDER CASES IN THE NATURE OF BRIEF CASES, TRAVELING BAGS, AND LADIES' HANDBAGS. HUGO BOSCA, doing business as Hugo Bosca Company, Springfield, Ohio.
Filed May 21, 1948, Serial No. 557,498. Published July 12, 1949. Class 3.

516,889. PAPER SHIELD OR TAG WHICH CAN BE PLACED OVER THE END OF AN ELECTRICAL APPLIANCE CORD FOR SHIELDING PRONGS THEREOF DURING SHIPMENT. DANCYGER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed May 21, 1948, Serial No. 557,505. Published July 5, 1949. Class 37.

516,890. SYNTHETIC RESINS FOR USE IN THE MANUFACTURE AND TREATMENT OF TEXTILES TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 21, 1948, Serial No. 557,551. Published July 26, 1949. Class 6.

516,891. SKIS. THE SIXTY SALES CORPORATION, Hartford, Conn.
Filed May 21, 1948, Serial No. 557,561. Published July 5, 1949. Class 22.

516,892. TOBACCO PRODUCTS—NAMELY, CIGARS, CIGARETTES, AND SMOKING TOBACCO. MEDALIST CO., INC., Passaic, N. J.
Filed May 25, 1948, Serial No. 557,760. Published July 19, 1949. Class 17.

516,893. RUBBER BALLS, LAWN TENNIS BALLS, AND FOOTBALL BLADDERS. HELSINGBORGS GUMMIFABRIKS AKTIEBOLAG, Helsingborg, Sweden.
Filed May 26, 1948, Serial No. 557,843. Published July 19, 1949. Class 22.

516,894. TEXTILE RUGS, BEDSPREADS, AUTOMOBILE ROBES, AND BATH MAT SETS. MONARCH CHENILLES, INCORPORATED, Dalton, Ga.
Filed May 26, 1948, Serial No. 557,859. Published July 19, 1949. Class 42.

516,895. PAPER DRAPERIES. WALLSCOTT PRODUCTS, INC., Fitchburg, Mass., assignor to Fitchburg Paper Company, Fitchburg, Mass., a corporation of Massachusetts.
Filed May 27, 1948, Serial No. 557,975. Published July 12, 1949. Class 37.

516,896. PREPARATIONS FOR THE TREATMENT OF DANDRUFF, FALLING HAIR, AND ITCHING SCALP AND FOR STIMULATING THE GROWTH OF HAIR AND FOR STRAIGHTENING AND DRESSING THE SAME. ANNA C. KAITZ, doing business as American Proprietaries, Philadelphia, Pa.
Filed May 28, 1948, Serial No. 558,035. Published July 26, 1949. Class 6.

516,897. COTTON PIECE GOODS. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed May 29, 1948, Serial No. 558,098. Published July 19, 1949. Class 42.

516,898. COMPASSES. MARBLE ARMS & MFG. COMPANY, Glasstone, Mich.
Filed May 29, 1948, Serial No. 558,150. Published June 28, 1949. Class 26.

516,899. PLASTIC COATED PAPER USED PRINCIPALLY IN THE BINDING OF BOOKS AND ON BOOK COVERINGS. DUROID PRODUCTS, INCORPORATED, New York, N. Y.
Filed June 3, 1948, Serial No. 558,375. Published July 19, 1949. Class 37.

516,900. STAPLES FOR USE IN STAPLING AND TACKING TOOLS. FASTENER CORPORATION, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,385. Published July 26, 1948. Class 13.

516,901. NOZZLE ELEMENTS FOR GAS PRESSURE REGULATORS. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed June 4, 1948, Serial No. 558,502. Published July 26, 1949. Class 13.

516,902. BROOMS. MODGLIN COMPANY, INC., Los Angeles, Calif.
Filed June 5, 1948, Serial No. 558,575. Published July 26, 1949. Class 29.

516,903. SMOKING AND CHEWING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed June 8, 1948, Serial No. 558,684. Published July 19, 1949. Class 17.

516,904. MILLINERY BRAIDS. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed June 8, 1948, Serial No. 558,741. Published June 28, 1949. Class 40.

516,905. BIDETS AND PARTS THEREOF. MODESTO CALLEJO, doing business as Bidoro Manufacturing Company, New York, N. Y.
Filed June 10, 1948, Serial No. 558,909. Published July 26, 1949. Class 13.

516,906. WOVEN CLOTH COMPOSED OF WOOL AND MOHAIR FIBERS, OR A MIXTURE THEREOF, BY THE PIECE. S. STROOCK & CO. INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,967. Published May 31, 1949. Class 42.

516,907. SCREWS. JOHN ZUSOW, doing business as Ziggerscrew Company, Detroit, Mich.
Filed June 14, 1948, Serial No. 559,200. Published July 26, 1949. Class 13.

516,908. COMPOUNDED OIL USED TO INCREASE THE WATER ABSORBENCY AND REWETTING PROPERTIES OF PAPER, COTTON, AND OTHER CELLULOSE PRODUCTS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed June 15, 1948, Serial No. 559,254. Published July 26, 1949. Class 6.

516,909. FACE POWDER, TALCUM POWDER, COLD-CREAM POWDER, COMPACT POWDER, ROUGE, COLD-CREAM ROUGE; VANISHING CREAM, LIPSTICK ROUGE, HAIR WASH, TOOTH PASTE, SHAMPOO, AND PERFUME. THE ARMAND COMPANY, Des Moines, Iowa.
Filed May 21, 1948, Serial No. 559,475. Published July 26, 1949. Class 6.

516,910. MILLINERY BRAIDS. ARMAND SCHWAB & CO. INC., New York, N. Y.
Filed June 17, 1948, Serial No. 559,490. Published June 28, 1949. Class 40.

516,911. FASTENERS FOR CLOTHING—NAMELY, RINGS, CLASPS, AND CHAINS HAVING CROCHETING AT THEIR OUTER SURFACES. SCHALET-POLLACK CORPORATION, New York, N. Y.
Filed June 17, 1948, Serial No. 559,550. Published July 19, 1949. Class 40.

516,912. WRITING, PRINTING, AND WRAPPING PAPER AND CARDBOARD. EASTERN CORPORATION, Bangor, Maine.
Filed June 25, 1948, Serial No. 560,193. Published July 5, 1949. Class 37.

516,913. SEWING, EMBROIDERY, DARNING, KNITTING, AND CROCHET NEEDLES USED FOR HANDWORK. F. W. WOOLWORTH CO., New York, N. Y.
Filed June 30, 1948, Serial No. 560,513. Published July 26, 1949. Class 40.

516,914. WALLPAPER. UNITED WALLPAPER, INC., Chicago, Ill.
Filed July 1, 1948, Serial No. 560,587. Published July 12, 1949. Class 37.

516,915. TWINE. LUDLOW MANUFACTURING & SALES CO., Boston, Mass.
Filed July 3, 1948, Serial No. 560,713. Published June 28, 1949. Class 7.

516,916. CAUSTIC SODA (SODIUM HYDROXIDE) AND MURIATIC (HYDROCHLORIC) ACID. FRONTIER CHEMICAL COMPANY, Midland, Tex.
Filed July 6, 1948, Serial No. 560,756. Published July 26, 1949. Class 6.

516,917. LADIES', MISSES', AND CHILDREN'S HANDBAGS AND PURSES. BRANDY MILLS CORPORATION, New York, N. Y.
Filed July 8, 1948, Serial No. 560,859. Published July 26, 1949. Class 3.

516,918. CIGARETTE PAPER SOLD IN THE FORM OF CONTINUOUS STRIPS, CARBONIZING TISSUE, CONDENSER PAPER, WRITING PAPER, AND TYPEWRITER PAPER. PETER J. SCHWEITZER, INC., New York, N. Y.
Filed July 8, 1948, Serial No. 560,928. Published July 5, 1949. Class 37.

516,919. PERFUMES, FACE POWDERS, LIPSTICKS. JEANNE PIAUBERT, Paris, France.
Filed July 9, 1948, Serial No. 561,037. Published July 26, 1949. Class 6.

516,920. HAIR CREAM AND SHAMPOO. THE PLOYHAR AND HEIDT COMPANY, County of Napa, Calif.
Filed July 9, 1948, Serial No. 561,038. Published July 26, 1949. Class 6.

516,921. BALM FOR THE RELIEF OF RHEUMATICAL PAINS AND ACHES. WALTER SCHWARTZ, doing business as Goutine Chemical Co., Yonkers, N. Y.
Filed July 10, 1948, Serial No. 561,146. Published July 26, 1949. Class 6.

516,922. COTTON PIECE GOODS. ROBINSON & GOLLUBER, INC., New York, N. Y.
Filed Mar. 10, 1948, Serial No. 561,401. Published July 12, 1949. Class 42.

516,923. MEDICINAL PREPARATION USED IN THE TREATMENT OF THE SCALP. WILLIAM R. ETHRIDGE, Alliance, Ohio.
Filed July 16, 1948, Serial No. 561,562. Published July 19, 1949. Class 6.

516,924. ANTI-FREEZE TESTERS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed July 20, 1948, Serial No. 561,762. Published June 21, 1949. Class 26.

516,925. GAS BURNERS FOR WATER HEATERS. MOTOR WHEEL CORPORATION, Lansing, Mich.
Filed July 21, 1948, Serial No. 561,844. Published June 28, 1949. Class 34.

516,926. OVERNIGHT CASES, WEEK-END CASES, PULLMAN CASES, OVERSEAS CASES, PHYSICIANS' BAGS, GLADSTONE BAGS, KIT BAGS, BOOK CARRIERS COMPRISING HAND LUGGAGE ADAPTED TO CARRY BOOKS, ZIPPER CLUB BAGS, ZIPPER GLADSTONE BAGS, TRUNKS, ETC. DALE FIFTH AVENUE, INC., New York, N. Y.
Filed July 22, 1948, Serial No. 561,887. Published July 5, 1949. Class 3.

516,927. OVERNIGHT CASES, WEEKEND CASES, PULLMAN CASES, OVERSEAS CASES, PHYSICIANS' BAGS, GLADSTONE BAGS, KIT BAGS, BOOK CARRIERS COMPRISING HAND LUGGAGE ADAPTED TO CARRY BOOKS, ZIPPER CLUB BAGS, ZIPPER GLADSTONE BAGS, ETC. DALE FIFTH AVENUE, INC., New York, N. Y.
Filed July 22, 1948, Serial No. 561,889. Published July 5, 1949. Class 3.

516,928. RAYON PIECE GOODS. JOSEPH GLUCK FABRICS, INC., New York, N. Y.
Filed July 24, 1948, Serial No. 562,138. Published May 31, 1949. Class 42.

516,929. SUN GLARE GOGGLES. HERMAN B. LAYMON, doing business as World's Product Company, Spencer, Ind.
Filed Aug. 4, 1948, Serial No. 562,785. Published June 21, 1949. Class 26.

516,930. OPAQUE, MULTIFILAMENT YARN OF RAYON VISCOSE. SOC. AN. ITALIANA PER LE FIBRE TESSILI ARTIFICIALI GIÀ CHÂTILLON, Milano, Italy.
Filed Aug. 6, 1948, Serial No. 562,965. Published July 26, 1949. Class 43.

516,931. FABRICS OF SILK, WOOL, COTTON, MANMADE FIBERS, AND COMBINATIONS THEREOF. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,026. Published May 31, 1949. Class 42.

516,932. CARBON PAPER AND TYPEWRITER RIBBONS. KORES CARBON PAPER & RIBBONS MFG. CORPORATION, New York, N. Y.
Filed Aug. 11, 1948, Serial No. 563,197. Published July 26, 1949. Class 11.

516,933. CIGARETTE TOBACCO. P. LORILLARD COMPANY, New York, N. Y.
Filed Aug. 13, 1948, Serial No. 563,351. Published July 19, 1949. Class 17.

516,934. LOTION FOR THE RELIEF OF DOGS SUFFERING FROM SARCOPTIC MANGE, ITCHING SKIN, RINGWORM, AND SUMMER ITCH. JOHN PETER EDGE LTD., New York, N. Y.
Filed Aug. 14, 1948, Serial No. 563,400. Published July 26, 1949. Class 6.

516,935. HYDRATED LIME AND QUICKLIME SOLD AS CHEMICALS FOR USE IN THE PRODUCTION OF SUGAR, STEEL, ICE, INSECTICIDES, PAPER, AND ANALOGOUS MANUFACTURES. UNITED STATES LIME PRODUCTS CORPORATION, Los Angeles, Calif.
Filed Aug. 2, 1948, Serial No. 563,558. Published July 26, 1949. Class 6.

516,936. HYDRATED LIME AND QUICKLIME SOLD AS CHEMICALS FOR USE IN THE PRODUCTION OF SUGAR, STEEL, ICE, INSECTICIDES, PAPER, AND ANALOGOUS MANUFACTURE. UNITED STATES LIME PRODUCTS CORPORATION, Los Angeles, Calif.
Filed Aug. 2, 1948, Serial No. 563,559. Published July 26, 1949. Class 6.

516,937. SPECTACLES, SPECTACLE FRAMES, SPECTACLE GLASSES, EYE-SHADES, MASKS AND PROTECTION GOGGLES, SPECTACLE AND OPTICAL ARTICLES, AND CASES THEREFOR. GIUSEPPE RATTI, Torino, Italy.
Filed Aug. 19, 1948, Serial No. 563,753. Published June 21, 1949. Class 26.

516,938. MILDEWPROOFING, MOTHPROOFING, INSECTICIDAL, AND FUNGICIDAL COMPOSITION. NUODEX PRODUCTS CO., INC., Elizabeth, N. J.
Filed Aug. 23, 1948, Serial No. 563,868. Published July 26, 1949. Class 6.

516,939. FABRICS OF COTTON, RAYON, SILK, OR WOOL, OR COMBINATIONS THEREOF IN THE PIECE. ROBERT W. HAMILTON, INC., New York, N. Y.
Filed Feb. 14, 1948, Serial No. 563,969. Published July 19, 1949. Class 42.

516,940. FUNGICIDE. SINDAR CORPORATION, New York, N. Y.
Filed Mar. 4, 1948, Serial No. 563,976. Published July 26, 1949. Class 6.

516,941. BIOLOGICALS SUCH AS VACCINES, ANTISERA, AND HUMAN BLOOD PRODUCTS, AND FOR PHARMACEUTICALS SUCH AS SALINE AND DEXTROSE SOLUTIONS, PENICILLIN, AND VITAMINS. CUTTER LABORATORIES, Berkeley, Calif.
Filed June 1, 1948, Serial No. 564,052. Published July 26, 1949. Class 6.

516,942. LEATHER KEY CASES, BRIEF CASES, WALLETS, POCKET SECRETARIES. IRWIN WINSTON, doing business as Winston Manufacturing Co., New York, N. Y.
Filed Aug. 30, 1948, Serial No. 564,418. Published July 26, 1949. Class 3.

516,943. PIECE GOODS OF LINEN, COTTON, WOOL, AND SYNTHETIC FIBERS. HORNELL INDUSTRIES, INC., Hornell, N. Y.
Filed Sept. 1, 1948, Serial No. 564,511. Published July 19, 1949. Class 42.

516,944. WOOLEN RUGS. A. E. ANDON'S SONS, INC., New York, N. Y.
Filed Sept. 14, 1948, Serial No. 565,097. Published July 19, 1949. Class 42.

516,945. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed Sept. 14, 1948, Serial No. 565,123. Published July 19, 1949. Class 42.

516,946. ANTHELMINTIC AND ANTIBACTERIAL PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Sept. 15, 1948, Serial No. 565,206. Published July 26, 1949. Class 6.

516,947. CLASP PARTICULARLY ADAPTED FOR HOLDING PIN CURLS AND THE LIKE DURING SETTING. MAGNESWITCH, INC., Chicago, Ill.
Filed Sept. 17, 1948, Serial No. 565,349. Published July 26, 1949. Class 40.

516,948. BIOLOGICAL IMMUNIZING AGENT FOR DIPHTHERIA, TETANUS, AND WHOOPING COUGH. CUTTER LABORATORIES, Berkeley, Calif.
Filed Sept. 18, 1948, Serial No. 565,416. Published July 26, 1949. Class 6.

516,949. LADIES' HANDBAGS. BAGS BY MAURICE, INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,533. Published June 28, 1949. Class 3.

516,950. LAUNDERER'S MATERIALS—NAMELY, LAUNDRY SOUR. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,556. Published July 26, 1949. Class 6.

516,951. ALKALI NEUTRALIZING COMPOUNDS USED FOR LAUNDRY PURPOSES. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed Sept. 21, 1948, Serial No. 565,564. Published July 26, 1949. Class 6.

516,952. DRY CHEMICAL FIRE EXTINGUISHERS. KWIK WORK FIRE APPLIANCE COMPANY, Oklahoma City, Okla.
Filed Sept. 23, 1948, Serial No. 565,707. Published July 26, 1949. Class 6.

516,953. AUTOMOBILE RADIATOR COOLING SYSTEM CLEANER, AND FOR CHEMICAL PREPARATION TO PREVENT FREEZING OF WATER IN GASOLINE LINES AND TANKS. LION CHEMICAL COMPANY, Chicago, Ill.
Filed Aug. 9, 1948, Serial No. 565,838. Published July 26, 1949. Class 6.

516,954. SHOE LACES. THOMAS TAYLOR & SONS, INC., Hudson, Mass.
Filed Oct. 2, 1948, Serial No. 566,368. Published June 28, 1949. Class 40.

516,955. CHEMICAL COMPOUNDS USED AS TANNING AGENTS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Oct. 5, 1948, Serial No. 566,461. Published July 26, 1949. Class 6.

516,956. VITAMIN PREPARATION IN POWDER FORM FOR INCORPORATION IN ANIMAL AND POULTRY FEED. WORLD PRODUCTS CORP., New York, N. Y.
Filed Oct. 8, 1948, Serial No. 566,737. Published July 26, 1949. Class 6.

516,957. CURL CLIPS. THE I. LEON CO., INC., Massapequa, N. Y.
Filed Oct. 14, 1948, Serial No. 566,985. Published July 26, 1949. Class 40.

516,958. SACHET POWDER. BERGDORF & GOODMAN CO., New York, N. Y.
Filed Oct. 15, 1948, Serial No. 567,017. Published July 26, 1949. Class 6.

516,959. LEATHER GOODS — NAMELY, BILL AND CHANGE PURSES. MURRAY MENSCHIK, doing business as Joell Manufacturing Co., Brooklyn, N. Y.
Filed Oct. 15, 1948, Serial No. 567,029. Published June 28, 1949. Class 3.

516,960. HAND SEWING NEEDLES FOR USE IN MAKING BRAIDED RUGS. ROGER C. GRISWOLD, doing business as Braid-Aid Company, Kingston, Mass.
Filed Oct. 19, 1948, Serial No. 567,196. Published June 28, 1949. Class 40.

516,961. RHODIUM SOLUTIONS AND GOLD CYANIDE EMPLOYED FOR ELECTRO-PLATING PURPOSES. SIGMUND COHN CORP., New York, N. Y.
Filed Oct. 20, 1948, Serial No. 567,237. Published July 26, 1949. Class 6.

516,962. PICTURE HANGERS, FRAMELESS MIRROR HOLDERS, DRAPERY HOOKS, PICTURE FRAME HANGERS, PUSH PINS, KITCHEN HOOKS, CUP HOOKS, CLOSET ROD BRACKETS, WARDROBE LOOPS AND TIE HOLDERS, AND SKEWERS FOR COOKING. E. H. TATE COMPANY, Boston, Mass.
Filed Oct. 28, 1948, Serial No. 567,811. Published July 26, 1949. Class 13.

516,963. BRAIDED CORDAGE. NORMAN LIBRETT, INC., New Rochelle, N. Y.
Filed Nov. 4, 1948, Serial No. 568,204. Published June 28, 1949. Class 7.

516,964. OINTMENT FOR SKIN AND SCALP IRRITATIONS. ARTHUR C. HOFMANN, doing business as Vanseme Laboratory, Brooklyn, N. Y.
Filed Nov. 6, 1948, Serial No. 568,309. Published July 26, 1949. Class 6.

516,965. BALER AND BINDER TWINE. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Nov. 8, 1948, Serial No. 568,359. Published June 28, 1949. Class 7.

516,966. BALER AND BINDER TWINE. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Nov. 8, 1948, Serial No. 568,360. Published June 28, 1949. Class 7.

516,967. HEMORRHOIDAL SUPPOSITORIES. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed Nov. 8, 1948, Serial No. 568,373. Published July 26, 1949. Class 6.

516,968. INSECTICIDES AND LARVICIDES. SOUTHERN ENTOMOLOGICAL COMPANY, West Palm Beach, Fla.
Filed Nov. 8, 1948, Serial No. 568,405. Published July 26, 1949. Class 6.

516,969. MEDICINAL PREPARATION FOR USE AS A VASOCONSTRICTOR. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Nov. 9, 1948, Serial No. 568,470. Published July 26, 1949. Class 6.

516,970. MEDICINAL PREPARATION FOR USE AS A VASOCONSTRICTOR. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Nov. 9, 1948, Serial No. 568,471. Published July 26, 1949. Class 6.

516,971. MEDICINAL PREPARATION FOR USE AS A VASOCONSTRICTOR. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Nov. 9, 1948, Serial No. 568,472. Published July 26, 1949. Class 6.

516,972. PIECE GOODS OF COTTON, SILK, RAYON OR CELLULOSE ACETATE OR MIXTURES THEREOF. COHN-HALL-MARX CO., New York, N. Y.
Filed Nov. 12, 1948, Serial No. 568,586. Published May 31, 1949. Class 42.

516,973. HANDBAGS MADE FROM FIBERS, STRAW, BAMBOO FIBER, SISAL HEMP, AND RAFFIA. SIMON BROS. CO., New York, N. Y.
Filed Nov. 27, 1948, Serial No. 569,541. Published July 12, 1949. Class 3.

516,974. BALER TWINES AND BINDER TWINES. PLYMOUTH CORDAGE COMPANY, Plymouth and North Plymouth, Mass.
Filed Dec. 1, 1948, Serial No. 569,716. Published July 26, 1949. Class 7.

516,975. KNITTING BAGS. ASSOCIATED NEEDLECRAFTS, New York, N. Y.
Filed Dec. 2, 1948, Serial No. 569,736. Published July 5, 1949. Class 3.

516,976. PEARL BUTTONS. EXCELSIOR PEARL WORKS, INC., New York, N. Y.
Filed Dec. 4, 1948, Serial No. 569,968. Published July 26, 1949. Class 40.

516,977. YARNS AND THREAD FOR SEWING AND ART NEEDLEWORK. B. ALTMAN & CO., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,180. Published July 26, 1949. Class 43.

516,978. NEEDLES FOR MAKING HOOKED RUGS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed Dec. 15, 1948, Serial No. 570,558. Published July 26, 1949. Class 40.

516,979. COMBINATION SHOPPING BAG AND HANDBAG. STERLING NOVELTY COMPANY, Chicago, Ill.
Filed Dec. 15, 1948, Serial No. 570,590. Published July 26, 1949. Class 3.

516,980. WOMEN'S HANDBAGS. LANCA HANDBAGS CORPORATION, Batavia, N. Y.
Filed Dec. 16, 1948, Serial No. 570,619. Published June 21, 1949. Class 3.

516,981. DECALCOMANIA TRANSFERS ADAPTED TO BE TRANSFERRED TO CLOTH BY THE APPLICATION OF HEAT. OIL COLOR LITHO COMPANY, Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,627. Published July 26, 1949. Class 40.

516,982. SHOE LACES. RHODE ISLAND TEXTILE COMPANY, Pawtucket, R. I.
Filed Dec. 16, 1948, Serial No. 570,639. Published June 21, 1949. Class 40.

516,983. BILL FOLDS, POCKET BOOKS, PURSES, AND WALLETS. NASH, INC., Jersey City, N. J.
Filed Dec. 22, 1948, Serial No. 570,981. Published July 26, 1949. Class 3.

516,984. COTTON YARN. FINE SPINNERS & DOUBLERS LIMITED, Manchester, England.
Filed Dec. 24, 1948, Serial No. 571,076. Published July 26, 1949. Class 43.

516,985. SHOE LACES AND NARROW ELASTIC SOLD BY THE YARD. HUGHES FAWCETT, INC., New York, N. Y.
Filed Dec. 29, 1948, Serial No. 571,274. Published July 26, 1949. Class 40.

516,986. BILL FOLDS, POCKET BOOKS, PURSES, AND WALLETS. NASH INC., Jersey City, N. J.
Filed Dec. 29, 1948, Serial No. 571,286. Published July 26, 1949. Class 3.

516,987. POCKET KNIVES AND HAND MANIPULATED LETTER OPENERS. COLONIAL KNIFE COMPANY, INC., Providence, R. I.
Filed Feb. 3, 1949, Serial No. 573,230. Published July 19, 1949. Class 23.

516,988. STILL CAMERAS, LENSES FOR CAMERAS, PHOTOGRAPHIC FILM SOLD IN CARTRIDGES. INTERNATIONAL CAMERA COMPANY, Chicago, Ill.
Filed May 3, 1949, Serial No. 577,556. Published June 21, 1949. Class 26.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

516,989. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ASSOCIATED PROJECTS COMPANY, Columbus, Ohio. Original filed, act of 1920, June 26, 1946; amended to application under act of 1946, Supplemental Register, May 7, 1948, Serial No. 504,594.

Drain-a-Tray

FOR COMBINATION SERVING TRAY AND SINK TOP DRAINER.
Claims use since Mar. 1, 1946.

516,990. (CLASS 38. PRINTS AND PUBLICATIONS.) THE JOURNAL PUBLISHING CO., INC., Belfast, Maine. Original filed, act of 1905, Aug. 14, 1946; amended to application under act of 1946, Supplemental Register, May 7, 1949, Serial No. 507,405.

MAINE Coast Fisherman

FOR MONTHLY PUBLICATION.
Claims use since July 1946.

516,991. (CLASS 39. CLOTHING.) WESS MFG. CO., New York, N. Y. Original filed, act of 1905, Sept. 11, 1946; amended to application under act of 1946, Supplemental Register, Aug. 2, 1948, Serial No. 508,879.

WESSLINE

FOR CHILDREN'S OVERALLS, SNOW SUITS, SKI PANTS, SUN SUITS, JACKETS, SLACKS, AND SLACK SUITS.
Claims use since June 25, 1946.

516,992. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Supplemental Register, Dec. 10, 1948, Serial No. 509,451.

Carroll brand

FOR TOWELS AND WASH CLOTHS.
Claims use since July 19, 1946.

516,993. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Supplemental Register, Dec. 10, 1948, Serial No. 509,456.

Carroll HOUSE

FOR WINDOW CURTAINS, TABLE CLOTHS, TABLE SCARVES AND DOILIES, NAPKINS, CHEESECLOTH, TEXTILE RUGS, CHENILLE MATS AND LIDS, TOWELS, DISHCLOTHS, AND PIECE GOODS OF RAYON, WOOL, AND DAMASK, AND COMBINATIONS THEREOF.
Claims use since July 19, 1946.

516,994. (CLASS 39. CLOTHING.) FAMOUS CREATIONS INC., New York, N. Y. Original filed, act of 1905, Sept. 26, 1946; amended to application under act of 1946, Supplemental Register, July 14, 1948, Serial No. 509,762.

A Famous CREATION

FOR COLLARS, CUFFS, JABOTS, SLEEVES, VESTEES, GUIMPS, RUFFLINGS DESIGNED SPECIFICALLY FOR USE AS COLLARS OR CUFFS, DICKEYS, PONCHOS, SCARFS, BLOUSES FOR WEAR BY WOMEN AND BLOUSES FOR WEAR BY CHILDREN.
Claims use since Aug. 26, 1946.

516,995. (CLASS 39. CLOTHING.) VICTOR GUTWILLIG, doing business as British Imports, New York, N. Y. Original filed, act of 1905, Oct. 30, 1946; amended to application under act of 1946, Supplemental Register, Aug. 18, 1948, Serial No. 511,742.

Tailored Coordinates

FOR WOMEN'S JACKETS, SHIRTS, SLACKS, COATS, BLOUSES, AND DRESSES.
Claims use since Sept. 11, 1946.

516,996. (CLASS 37. PAPER AND STATIONERY.) INDEPENDENT GROCERS ALLIANCE DISTRIBUTING CO., Chicago, Ill. Original filed, act of 1905, Nov. 4, 1946; amended to application under act of 1946, Supplemental Register, July 14, 1948, Serial No. 511,998.

FOODLINER

FOR WRAPPING PAPER, WAXED PAPER.
Claims use since Jan. 29, 1946.

516,997. (CLASS 37. PAPER AND STATIONERY.) FLO-BALL PEN CORPORATION, New York, N. Y. Original filed, act of 1905, Feb. 28, 1947; amended to application under act of 1946, Principal Register, Jan. 27, 1948; amended to Supplemental Register, July 28, 1949, Serial No. 518,290.

Flo-Ball

FOR FOUNTAIN PENS.
Claims use since Feb. 3, 1947.

516,998. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DISPENSERS, INC., Brooklyn, N. Y. Original filed, act of 1905, Mar. 12, 1947; amended to application under act of 1946, Supplemental Register, Oct. 13, 1948, Serial No. 518,878.

HANDI-SERVE

FOR BEVERAGE DISPENSING FAUCETS FOR USE IN FOUNTAINS.
Claims use since Jan. 2, 1946.

516,999. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WINTHROP MILLS, Winthrop, Maine. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Supplemental Register, Oct. 2, 1948, Serial No. 518,994.

pebblepoint

FOR WOOLEN, COTTON, AND RAYON FABRICS IN THE PIECE.
Claims use since Jan. 2, 1947.

517,000. (CLASS 37. PAPER AND STATIONERY.) WARD PAPER COMPANY, Merrill, Wis. Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Supplemental Register, Aug. 17, 1948, Serial No. 520,913.

DRIBBLE-BIBS

FOR DISPOSABLE PAPER BIBS FOR INFANTS.
Claims use since Feb. 1, 1947.

517,001. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) RICHARDSON CORPORATION, Rochester, N. Y. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Supplemental Register, Oct. 8, 1948, Serial No. 522,418.

RICHardson

APL-RICH

The lining represents the color red. Applicant claims ownership of Registrations Nos. 366,506, 375,339, and 387,248.
FOR MALTLESS SOFT DRINKS, SYRUP USED IN MAKING MALTLESS SOFT DRINKS, AND CONCENTRATED SYRUP USED IN MAKING MALTLESS SOFT DRINKS.
Claims use since Jan. 24, 1947.

517,002. (CLASS 39. CLOTHING.) DAINTY BLOUSE MFG. CO., New York, N. Y. Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Principal Register, June 19, 1948; amended to Supplemental Register, Dec. 4, 1948, Serial No. 523,569.
The name is fanciful.

LINDA GAY

FOR MISSES', GIRLS', AND CHILDREN'S BLOUSES, PINAFORES, SKIRTS.
Claims use since August 1946.

517,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TRU-AID MEDICINE COMPANY, INC., Cincinnati, Ohio, assignee of Tru-Aid Medicine Company. Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Supplemental Register, Aug. 11, 1949, Serial No. 524,496.

TRU-AID

FOR LIQUID ANALGESIC.
Claims use since June 12, 1947.

517,004. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del., now by change of name Esso Standard Oil Company. Original filed, act of 1946, Principal Register, Sept. 9, 1947; amended to application, Supplemental Register, Mar. 10, 1949, Serial No. 538,939.

BUTYL

The drawing is lined to indicate the color blue. Applicant claims ownership of Registration No. 405,148.
FOR SYNTHETIC RUBBER, RUBBER SUBSTITUTES AND RUBBER-LIKE MATERIALS.
Claims use since May 21, 1947.

517,005. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE ASTRUP COMPANY, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Sept. 20, 1947; amended to application, Supplemental Register, Apr. 26, 1949, Serial No. 535,116.

JUST A SHADE BETTER

FOR COTTON PIECE GOODS—NAMELY, AWNING FABRICS.
Claims use since December 1920.

517,006. (CLASS 39. CLOTHING.) BOTANY MILLS, INC., Passaic, N. J. Original filed, act of 1946, Principal Register, Oct. 4, 1947; amended to application, Supplemental Register, Aug. 10, 1949, Serial No. 536,753.

SAND HUES

FOR NECKTIES.
Claims use since Jan. 6, 1943.

517,007. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BOOTT MILLS, Lowell, Mass. Filed Oct. 7, 1947, Serial No. 536,994.

DRYWELL

Applicant claims ownership of Registration No. 146,934.
FOR TOWELS OF TEXTILE MATERIALS.
Claims use since Apr. 29, 1920.

517,008. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MOUNTIES, INC., Boston, Mass. Original filed, act of 1946, Principal Register, Oct. 11, 1947; amended to application, Supplemental Register, May 27, 1949, Serial No. 537,606.

STIC

FOR PARCEL POST SETS CONSISTING OF A CONTAINER ENCLOSING A NUMBER OF PARCEL POST LABELS AND A ROLL OF GUMMED TAPE ADAPTED FOR THE SEALING OF PARCEL POST AND EXPRESS PACKAGES.
Claims use since Feb. 1, 1943.

517,009. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE D. T. WILLIAMS VALVE COMPANY, Cincinnati, Ohio. Filed Oct. 23, 1947, Serial No. 544,666.

WILLIAMS

FOR GATE VALVES, GAGE COCKS, GLOBE VALVES, ANGLE VALVES, CROSS VALVES, CHECK VALVES, HYDRAULIC VALVES, NEEDLE VALVES, RADIATOR VALVES, HOSE VALVES, GENERATOR VALVES, WHISTLE VALVES, BLOWOFF VALVES, SWING CHECK VALVES, THROTTLE VALVES; STOP-COCKS FOR AIR, STEAM, GAS, AND GASOLINE; SWIVEL COCKS, PACKED PLUG COCKS, THREE-WAY COCKS, SWIVEL-COUPLINGS, EXPANSION JOINTS, UNIONS, ELBOWS, T's, CROSSES, RETURN BENDS, FLANGES, FUSIBLE PLUGS, AND HOSE NIPPLES.
Claims use since April 1905.

517,010. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN OIL CHEMISTS' SOCIETY, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 14, 1948; amended to application, Supplemental Register, May 10, 1949, Serial No. 546,939.

The JOURNAL of the AMERICAN OIL CHEMISTS' SOCIETY

Applicant claims ownership of Registrations Nos. 305,559 and 355,382.
FOR A MAGAZINE RELATING TO NEWS OF INTEREST TO OIL CHEMISTS AND MEMBERS OF THE SOCIETY.
Claims use since January 1947.

517,011. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DEARBORN MOTORS CORPORATION, Detroit and Highland Park, Mich. Filed Jan. 20, 1948, Serial No. 547,517.

Dearborn

FOR TRACTOR-DRAWN, MOUNTED AND/OR POWERED IMPLEMENTS, ACCESSORIES AND PARTS THEREOF—NAMELY, PLOWS, CULTIVATORS, BLADES, BURSTERS, LISTERS, HARROWS, LOADERS, PLANTERS, WEEDERS, CORN PICKERS, TRACTOR JACKS, MOWING MACHINES, BINDERS, COMBINES, SEEDERS, GRADERS, MANURE SPREADERS, RAKES, TILLERS, SCOOPS, SNOW PLOWS, ROLLERS, SPRAYERS, POST-HOLE DIGGERS, PULVERIZERS, CORDWOOD SAWS, DITCHERS, SCRAPERS, LIFTERS, HOES, FURROWERS, RIDGERS, SUB-SOILERS, TRACTOR SEATS, JACKS, GREASE GUNS, TRACTOR POWER TAKE-OFF SHAFT EXTENSION KITS, TIRE PUMPS, POWER TAKE-OFF PULLEYS, POWER LIFT SHOVELS, TRACTOR CABS, TRACTOR CURTAINS, TRACTOR CANOPIES, TRACTOR COVERS, TRACTOR BUMPERS, AND TRACTOR HITCHES AND PARTS OF THE FOREGOING GOODS.
Claims use since May 26, 1947.

517,012. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NARMCO INC., San Diego, Calif. Original filed, act of 1946, Principal Register, Mar. 22, 1948; amended to application, Supplemental Register, May 24, 1949, Serial No. 552,685.

Live Fiber

FOR FISHING RODS FORMED OF FIBROUS GLASS MATERIAL IMPREGNATED WITH RESIN.
Claims use since Oct. 25, 1947.

517,013. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HEDSTROM-UNION COMPANY, Fitchburg and Gardner, Mass. Original filed, act of 1946, Principal Register, Apr. 13, 1948; amended to application, Supplemental Register, Aug. 3, 1949, Serial No. 554,493.

Hedstrom

FOR CHILDREN'S VELOCIPEDES, SCOOTERS, PEDAL CARS, SIDEWALK BIKES, TRICYCLES, BABY WALKERS, AND DOLL CARRIAGES.
Claims use since September 1946.

517,014. (CLASS 37. PAPER AND STATIONERY.) CURTIS 1000 INCORPORATED, Hartford, Conn. Filed May 4, 1948, Serial No. 556,177.

SALESFOLIO

FOR SALES INFORMATION ENVELOPES, MANUSCRIPT COVERS, FILE FOLDERS, AND FILE POCKETS, ALL OF PAPER.
Claims use since June 11, 1946.

517,015. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) LAYTON-GROSSMAN, INC., New York, N. Y. Original filed, act of 1946, Principal Register, May 25, 1948; amended to application, Supplemental Register, Apr. 13, 1949, Serial No. 557,758.

SUDSFAST

FOR WOVEN PIECE GOODS OF COTTON, RAYON, SILK, WOOL, OR MIXTURES THEREOF.
Claims use since Nov. 28, 1947.

517,016. (CLASS 37. PAPER AND STATIONERY.) BAINES & POLK MFG. CO., Irwin, Pa. Original filed, act of 1946, Principal Register, May 26, 1948; amended to application, Supplemental Register, Aug. 5, 1949, Serial No. 557,820.

EVER-TITE

FOR PAPER CLIPS.
Claims use since May 13, 1948.

517,017. (CLASS 39. CLOTHING.) BOTANY MILLS, INC., Passaic, N. J. Original filed, act of 1946, Principal Register, June 5, 1948; amended to application, Supplemental Register, Aug. 10, 1949, Serial No. 538,545.

MULTI-CHROME

FOR NECKTIES.
Claims use since Oct. 15, 1947.

517,018. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) DRAPER BROTHERS COMPANY, Canton, Mass. Original filed, act of 1946, Principal Register, June 30, 1948; amended to application, Supplemental Register, May 13, 1949, Serial No. 560,456.

DRAPER WOOLENS

Applicant claims ownership of Registration No. 413,365.
FOR KNITTED AND WOVEN FABRICS IN THE PIECE MADE OF WOOL ALONE OR IN COMBINATION WITH SILK, RAYON, COTTON, AND PROTEIN FIBERS.
Claims use since June 1945.

517,019. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FRILL-O-TEX PRODUCTS, INC., New York, N. Y. Original filed, act of 1946, Principal Register, July 13, 1948; amended to application, Supplemental Register, June 30, 1949, Serial No. 561,282.

Redi-Ruffle

FOR RUFFLINGS—LACE AND EMBROIDERY EDGINGS, INSERTIONS.
Claims use since May 1, 1948.

517,020. (CLASS 37. PAPER AND STATIONERY.) STUART HALL COMPANY, INC., Kansas City, Mo. Filed July 19, 1948, Serial No. 561,696.

Stuart Hall

The name "Stuart Hall" is fictitious. Applicant claims ownership of Registration No. 428,931.

FOR STATIONERY IN THE NATURE OF WRITING PAPER AND ENVELOPES THEREFOR.

Claims use since Aug. 1, 1943.

517,021. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WILLIS V. WILLIAMS, doing business as Modern Tufting Co., Dalton, Ga. Original filed, act of 1946, Principal Register, July 21, 1948; amended to application, Supplemental Register, May 19, 1949, Serial No. 561,868.

Twin-Tuft RUG

FOR TUFTED RUGS.

Claims use since Feb. 20, 1948.

517,022. (CLASS 39. CLOTHING.) DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed July 27, 1948, Serial No. 562,252.

Beautifluff

Applicant claims ownership of Registration No. 373,244.

FOR LADIES' WEARING APPAREL—NAMELY, UNDERWEAR, NIGHTGOWNS, SLIPS, PETTICOATS, PAJAMAS, BLOOMERS, VESTS, PANTIES, LOUNGING AND HOSTESS ROBES, DANCE SETS CONSISTING OF BRASSIÈRES AND STEP-INS IN COMBINATION, AND BRASSIÈRES.

Claims use since Jan. 2, 1947.

517,023. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CREST FABRICS CORP., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 16, 1948; amended to application, Supplemental Register, Apr. 12, 1949, Serial No. 563,450.

STYLESETTER

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.

Claims use since Aug. 1, 1947.

517,024. (CLASS 38. PRINTS AND PUBLICATIONS.) KURT VERSEN COMPANY, Englewood, N. J. Original filed, act of 1946, Principal Register, Aug. 18, 1948; amended to application, Supplemental Register, Aug. 3, 1949, Serial No. 563,705.

contemporary lighting

FOR MONTHLY PERIODICAL.

Claims use since June 25, 1948.

517,025. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 13, 1948; amended to application, Supplemental Register, Aug. 15, 1949, Serial No. 565,096.

RADIO & TELEVISION NEWS

Applicant claims ownership of Registrations Nos. 378,427 and 413,041.

FOR MAGAZINE.

Claims use since July 30, 1948.

517,026. (CLASS 39. CLOTHING.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Sept. 21, 1948, Serial No. 565,554.

CHAFE-GUARD

Applicant claims ownership of Registration No. 379,187.

FOR WOMEN'S AND MISSES' UNDERGARMENTS IN THE NATURE OF PANTIES.

Claims use since 1937.

517,027. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Original filed, act of 1946, Principal Register, Oct. 2, 1948; amended to application, Supplemental Register, Aug. 2, 1949, Serial No. 566,331.

Monte Hale WESTERN

FOR MONTHLY PUBLICATION.

Claims use since July 12, 1948.

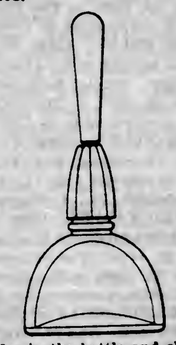
517,028. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) OWENS BRUSH COMPANY, Toledo, Ohio. Filed Oct. 6, 1948, Serial No. 566,540.

Strictly Personal!

FOR TOOTHBRUSHES.

Claims use since Sept. 1, 1947.

517,029. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHAM WARREN CORPORATION, Stamford, Conn. Original filed, act of 1946, Principal Register, Nov. 4, 1948; amended to application, Supplemental Register, June 29, 1949, Serial No. 568,208.



The mark resides in the bottle and closure cap therefor of the specific configuration and proportions shown, the bottle body having flat, parallel front and rear walls, continuous arch-shaped side walls and a flat bottom wall, the side walls curving into the bottle neck to give the over-all effect of a semi-circle, the closure cap being substantially frusto-conical with a series of well defined longitudinal ribs or corrugations around its entire circumference which taper at the top, the top of the closure cap being flat and bearing a tear-shaped finger piece which is relatively long and narrow, the finger piece having a curved top and side edges which taper from the top to the closure cap, the portion of the finger piece which is connected to the closure cap being circular in plan view and gradually becoming flat at the upper end thereof, the front and rear walls of the finger piece having a central groove which conforms in shape to the tear-shaped finger piece.

FOR NAIL POLISH, CUTICLE REMOVER, POLISH REMOVER, NAIL BASE COAT, AND NAIL TOP COAT.

Claims use since May 24, 1948.

517,030. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ABRAHAM L. RAPPAPORT, doing business as Rapphel Jewelers, New York, N. Y. Filed Feb. 16, 1949, Serial No. 573,973.

GEMS THAT EXCEL ZIRCONS by RAPPHEL

FOR JEWELRY SET WITH ZIRCON STONES—NAMELY, RINGS, EARRINGS, BRACELETS, PENDANTS, AND BROOCHES.

Claims use since 1942.

Collective Marks

517,031. (CLASS 39. CLOTHING.) SHOES ASSOCIATED, INC., New York, N. Y. Filed Nov. 28, 1947, Serial No. 549,395.

"STRAP-O-MOC"

Applicant claims ownership of Registration No. 430,488.

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR ANY COMBINATION THEREOF.

Claims use since Mar. 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

33,953. "ZIG ZAG RULES. Z.Z." AND DESIGN. Registered Dec. 26, 1899. Stanley Rule and Level Company. Re-renewed Dec. 26, 1949, to The Stanley Works, New Britain, Conn., a corporation of Connecticut. EDGE-WISE-FOLDING RULES. Class 26.

33,954. "ZIG ZAG RULES. Z.Z." AND DESIGN. Registered Dec. 26, 1899. Stanley Rule and Level Company. Re-renewed Dec. 26, 1949, to The Stanley Works, New Britain, Conn., a corporation of Connecticut. EDGE-WISE-FOLDING RULES. Class 26.

70,225. SAVILL. Registered Aug. 11, 1908. Thomas Savill & Sons. Re-renewed Aug. 11, 1948, to The Savill Company, Philadelphia, Pa., a corporation of Pennsylvania. BIBS AND VALVES. Class 13.

73,868. REPRESENTATION OF EAGLE ON WREATH. Registered May 25, 1909. The National-Acme Mfg. Co. Re-renewed May 25, 1949, to The National Acme Company, Cleveland, Ohio, a corporation of Ohio. CATALOGUES, CIRCULARS, AND PAMPHLETS. Class 38.

74,832. "NESTLÉ'S CHOCOLAT" ETC. AND DESIGN. Registered Aug. 10, 1909. Nestlé and Anglo, Swiss Condensed Milk Co., Cham and Vevey, Switzerland, and London, England. Re-renewed Aug. 10, 1949, to Lamont, Corliss & Company, New York, N. Y., a corporation of New York. SWISS MILK CHOCOLATE. Class 46.

74,899. BRISTOL. Registered Aug. 17, 1909. The C. J. Root Company, Bristol, Conn. Re-renewed Aug. 17, 1949, to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut. COUNTING-MACHINES, WHICH COUNT SUCCESSIVE NUMBERS OR OPERATIONS AND AT EACH INSTANT OF TIME INDICATE THE TOTAL NUMBER ONLY. Class 26.

75,085. REPRESENTATION OF HEART IN RED WITH BLACK LINE EXTENDING SLIGHTLY WITHIN THE EDGE. Registered Aug. 31, 1909. John Morrell & Company, Limited, Liverpool, England, and Ottumwa, Iowa. Re-renewed Aug. 31, 1949, to John Morrell & Company, Ottumwa, Iowa, a corporation of Maine. BREAKFAST-BACON. Class 46.

75,958. DEL MONTE BRAND. Registered Nov. 30, 1909. California Fruit Canners Association. Re-renewed Nov. 30, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED FRUITS, DRIED FRUITS, RAISINS, CANNED VEGETABLES, CATSUPS, CANNED FISH, JAM, PRESERVES, AND JELLIES. Class 46.

76,021. SHIELD DESIGN ETC. Registered Dec. 7, 1909. Doten-Dunton Desk Co., Boston, Mass. Re-renewed Dec. 7, 1949, to Doten-Dunton Desk Co., Cambridge, Mass., a corporation of Massachusetts. DESKS, TABLES, BOOKCASES, CHAIRS, ETC. Class 32.

76,054. LAPACTIC. Registered Dec. 7, 1909. Sharp & Dohme, Baltimore, Md. Re-renewed Dec. 7, 1949, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. LAXATIVE FOR THE TREATMENT OF CONSTIPATION, HEADACHES, BILIOUSNESS, AND DISORDERS OF THE LIVER AND BOWELS. Class 6.

76,100. "POINTER" AND REPRESENTATION OF DOG WITHIN CIRCLE. Registered Dec. 14, 1909. Azusa-Covina-Glendora Fruit Exchange, Azusa, Calif. Re-renewed Dec. 14, 1949, to Covina Valley Orange Co., Covina, Calif., a corporation of California. CITRUS FRUITS. Class 46.

76,118. MONOGRAM "I H C". Registered Dec. 14, 1909. International Harvester Company of America. Re-renewed Dec. 14, 1949, to International Harvester Company, Chicago, Ill., a corporation of New Jersey. INTERNAL-COMBUSTION ENGINES, TRACTORS, HAYPRESSES AND PARTS THEREOF, CREAM-SEPARATORS, AND PARTS OF HARVESTING MACHINERY. Class 23.

76,188. "MINERAL 300° COLZA OIL" AND DESIGN. Registered Dec. 21, 1909. Standard Oil Co. Re-renewed Dec. 21, 1949, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. REFINED PETROLEUM FOR ILLUMINATING AND HEATING PURPOSES. Class 15.

251,846. REPRESENTATION OF RED BAR DIAGONALLY ACROSS A LUMP OF COAL. Registered Jan. 15, 1929. Blackwood Coal and Coke Company, Philadelphia, Pa. Renewed Jan. 15, 1949, to Blackwood Coal & Coke Co., Blackwood, Va., and Philadelphia, Pa., a corporation of Virginia. BITUMINOUS COAL. Class 1.

253,620. FLEXIFORM. Registered Mar. 5, 1929. Shoe Form Co. Inc., Auburn, N. Y., a corporation of New York. Renewed Mar. 5, 1949. SHOE FORMS. Class 50.

254,659. "BRADSTONE QUALITY A+" AND DESIGN. Registered Mar. 26, 1929. Bradstone Rubber Company, Woodbine, N. J., a corporation of New Jersey. Renewed Mar. 26, 1949. RUBBER HEELS. Class 39.

256,296. GOLD BOND. Registered May 14, 1929. Ajax Rubber Company, Inc., New York, N. Y., and Racine, Wis. Renewed May 14, 1949, to The Dayton Rubber Company, Dayton, Ohio, a corporation of Ohio. RUBBER TIRES AND TUBES. Class 35.

256,325. "SAN JUAN" AND DESIGN. Registered May 14, 1929. San Juan Fishing & Packing Co., Seattle, Wash., a corporation of Washington. Renewed May 14, 1949. CANNED, FRESH, SALT, SMOKED, AND KIPPERED FISH. Class 46.

256,335. INECTO. Registered May 14, 1929. Inecto Inc. Renewed May 14, 1949, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York. HAIR DYE. Class 6.

256,370. "AGATHON ENDURO STAINLESS" AND DESIGN. Registered May 14, 1929. Central Alloy Steel Corporation, Massillon, Ohio. Renewed May 14, 1949, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. RUST-RESISTING ANTI-CORROSIVE METAL AND IRON AND STEEL BARS, SLABS, BILLETS, SHEETS, AND STRIPS. Class 14.

256,530. IGA. Registered May 21, 1929. Oostburg Canning Co., Oostburg, Wis., assignor to Independent Grocers' Alliance Distributing Co. Renewed May 21, 1949, to Independent Grocers Alliance Distributing Co., Chicago, Ill., a corporation of Illinois. CANNED VEGETABLES. Class 46.

257,563. LADY ROCHESTER. Registered June 11, 1929. Neisner Brothers, Inc., Rochester, N. Y., a corporation of New York. Renewed June 11, 1949. HOSIERY. Class 39.

257,599. FEATHEREST. Registered June 11, 1929. Englander Spring Bed Company, Brooklyn, N. Y. Renewed June 11, 1949, to The Englander Company, Inc., Chicago, Ill., a corporation of Delaware. BEDS—NAMELY, COUCH BEDS, SLIDING BEDS; ETC. Class 32.

258,244. TRUE TEMPER. Registered July 2, 1929. The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Ohio. Renewed July 2, 1949. FISHING RODS, FISHING ROD HANDLES, ETC. Class 22.

258,494. "AVIGO ELGIN" AND DESIGN. Registered July 9, 1929. Elgin National Watch Company, Chicago, Ill. Renewed July 9, 1949, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. INSTRUMENTS FOR MEASURING OR DETERMINING THE TEMPERATURES, SPEEDS, TORQUES AND PRESSURES AND STATUS AND RATE OF CONSUMPTION OF FUEL, ETC. Class 26.

258,511. SODASORB. Registered July 9, 1929. Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts. Renewed July 9, 1949. SODIUM CALCIUM HYDRATE. Class 6.

258,552. ROBERT VEGETABLE SHAMPOO. Registered July 9, 1929. Robert Enterprises, Inc., also doing business as Robert, New York, N. Y., a corporation of New York. Renewed July 9, 1949. SHAMPOO PUT UP IN A POWDER FORM WHICH IS MIXED WITH WATER AND APPLIED TO THE HAIR. Class 6.

258,575. TRUE TEMPER. Registered July 9, 1929. The American Fork and Hoe Company, Cleveland, Ohio, a corporation of Chicago. Renewed July 9, 1949. RAIL ANCHORS AND RAIL JOINT SHIMS. Class 14.

258,733. BLUE MOUNTAIN. Registered July 16, 1929. Old Ben Coal Corporation, Chicago, Ill., a corporation of Delaware. Renewed July 16, 1949. COAL. Class 1.

258,889. "GENERAL HOUSEWORK" AND DESIGN. Registered July 16, 1929. Oakite Products, Inc., New York, N. Y., a corporation of New York. Renewed July 16, 1949. PREPARATIONS HAVING CLEANSING, DETERGENT, AND WATER-SOFTENING QUALITIES RECOMMENDED FOR ALL CLEANSING, ETC. Class 4.

259,469. WONPRESHUN. Registered July 30, 1929. Sigmund Ullman Company, New York, N. Y. Renewed July 30, 1949, to Sun Chemical Corporation, Long Island City, N. Y., a corporation of Delaware. PRINTING INK. Class 11.

259,662. SILVAKLOTH. Registered Aug. 6, 1929. Vivatex Processes, Inc., Lodi, N. J. Renewed Aug. 6, 1949, to Metrotex, Inc., Elizabeth, N. J., a corporation of New Jersey. COTTON FABRICS FOR FILTERING PURPOSES. Class 42.

259,687. "LORD ROCHESTER" AND PICTURE. Registered Aug. 6, 1929. Neisner Brothers, Inc., Rochester, N. Y., a corporation of New York. Renewed Aug. 6, 1949. HOSIERY. Class 39.

259,779. PHILJO. Registered Aug. 6, 1929. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 6, 1949. MEN'S NEGLIGEE SHIRTS AND KNITTED AND NETTED UNDERWEAR. Class 39.

259,780. PHILVAN. Registered Aug. 6, 1929. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 6, 1949. MEN'S NEGLIGEE SHIRTS AND KNITTED AND NETTED UNDERWEAR. Class 39.

259,812. COROFIX. Registered Aug. 6, 1929. The Crown Perfumery Company, Limited, Liverpool, England. Renewed Aug. 6, 1949, to The Crown Perfumery Company Limited, London, England, a corporation organized under the laws of England. PREPARATION FOR THE HAIR. Class 6.

259,853. "BABY ROCHESTER" AND REPRESENTATION OF BABY. Registered Aug. 13, 1929. Neisner Brothers, Inc., Rochester, N. Y., a corporation of New York. Renewed Aug. 13, 1949. HOSIERY. Class 39.

259,966. "IMPERIAL" AND REPRESENTATION OF SCROLL LINED FOR GREEN. Registered Aug. 13, 1929. Gate City Oil Co. Renewed Aug. 13, 1949, to C. N. Hubbard, Kansas City, Mo. NON-EXPLOSIVE NAPHTHA COMPOUND FOR CLEANING FABRIC, FELT, LEATHER AND OTHER CLOTHING MATERIALS, AND ALSO FOR GENERAL HOUSE-CLEANING USE. Class 4.

260,267. SUPERLAWN. Registered Aug. 20, 1929. Consolidated Rendering Company, Boston, Mass., a corporation of Maine. Renewed Aug. 20, 1949. PLANT FOOD. Class 10.

260,642. TIMME PACATEX. Registered Aug. 27, 1929. E. F. Timme & Son. Renewed Aug. 27, 1949, to E. F. Timme & Son, New York, N. Y., a limited partnership. PILE FABRICS IN THE PIECE. Class 42.

260,648. TIMME ALPACALAINE. Registered Aug. 27, 1929. E. F. Timme & Son. Renewed Aug. 27, 1949, to E. F. Timme & Son, New York, N. Y., a limited partnership. PILE FABRICS IN THE PIECE. Class 42.

260,791. SNAP-IN. Registered Aug. 27, 1929. Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois. Renewed Aug. 27, 1949. FASTENERS FOR SHELF DIVIDERS AND THE LIKE. Class 13.

260,802. SLOAN'S. Registered Aug. 27, 1929. Dr. Earl S. Sloan Incorporated. Renewed Aug. 27, 1949, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. MEDICINAL PREPARATIONS IN LIQUID FORM—NAMELY, LINIMENTS, EMBROCATIONS, LOTIONS; ETC. Class 6.

260,851. "IGA" AND DESIGN. Registered Aug. 27, 1929. Independent Grocers Alliance Distributing Co., Chicago, Ill., a corporation of Illinois. Renewed Aug. 27, 1949. EGG CARTONS AND MARKET BASKETS OF VENEER WOOD. Class 2.

261,805. VIR-GLOW. Registered Sept. 24, 1929. Holmes-Darst Coal Company, Cincinnati, Ohio. Renewed Sept. 24, 1949, to Holmes-Darst Coal Corporation, Knoxville, Tenn., a corporation of Delaware. COAL. Class 1.

261,826. REX. Registered Sept. 24, 1929. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 24, 1949. THERMAL INSULATING JACKETS, CASINGS, AND PIPE COVERINGS FOR USE IN CONNECTION WITH HOT-WATER-SUPPLY SYSTEMS AND STEAM, VAPOR, AND HOT-WATER HEATING APPLIANCES. Class 12.

262,643. LA PACE. Registered Oct. 15, 1929. Sanacori & Co., Brooklyn, N. Y., a firm. Renewed Oct. 15, 1949. MACARONI. Class 46.

262,930. "LA PALOMA" AND DRAWING. Registered Oct. 29, 1929. Anthony Macaroni Co., Inc. Renewed Oct. 29, 1949, to Anthony Macaroni & Cracker Co., Los Angeles, Calif., a firm. ALIMENTARY PASTES, CANNED RAVIOLI, CHILI SAUCE, MUSHROOM SAUCE, TOMATO SAUCE, AND CHEESE. Class 46.

262,947. "LADY SEYMOUR" AND DRAWING. Registered Oct. 29, 1929. Seymour Woolen Mills. Seymour, Ind., a corporation of Indiana. Renewed Oct. 29, 1949. TEXTILE BLANKETS. Class 42.

263,061. "SLOAN'S" ETC. AND DESIGN. Registered Oct. 29, 1929. Dr. Earl S. Sloan Incorporated. Renewed Oct. 29, 1949, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. MEDICINAL PREPARATIONS IN LIQUID FORM—NAMELY, LINIMENTS, EMBROCATIONS, LOTIONS; OR IN SOLID FORM—ETC. Class 6.

263,487. PROTETHYL. Registered Nov. 5, 1929. Florasynth Laboratories Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. SYNTHETIC ORGANIC CHEMICAL COMPOUNDS SUITABLE FOR USE IN IMITATION VANILLA AND OTHER FLAVORING EXTRACTS FOR FOOD PURPOSES. Class 46.

263,488. DIHYDRO-VANILLOIN. Registered Nov. 5, 1929. Florasynth Laboratories Inc., New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. SYNTHETIC ORGANIC CHEMICAL COMPOUNDS SUITABLE FOR USE IN IMITATION VANILLA AND OTHER FLAVORING EXTRACTS FOR FOOD PURPOSES. Class 46.

263,505. CARBITOL. Registered Nov. 5, 1929. Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York. Renewed Nov. 5, 1949. SOLVENTS FOR CELLULOSE ETHERS AND ESTERS AND NATURAL AND ARTIFICIAL GUMS AND RESINS. Class 6.

263,604. BIG STUMP. Registered Nov. 5, 1929. Sequoia Foothill Fruit Growers, Woodlake, Calif., a corporation of California. Renewed Nov. 5, 1949. FRESH GRAPES. Class 46.

263,799. "GOLD MEDAL" ETC. AND DESIGN. Registered Nov. 12, 1929. American Net & Twine Company, Boston, Mass., and New York, N. Y. Renewed Nov. 12, 1949, to The Linen Thread Co., Inc., Paterson, N. J., a corporation of Delaware. TWINE. Class 7.

264,172. "DENBROS WATCHES" AND DESIGN. Registered Nov. 19, 1929. De Natale Jewelry Co., New York, N. Y., a firm. Renewed Nov. 19, 1949. WATCHES. Class 27.

264,198. BETHLEHEM. Registered Nov. 19, 1929. Bethlehem Steel Company, Bethlehem, Pa., a corporation of Pennsylvania. Renewed Nov. 19, 1949. STEEL PIPE. Class 13.

264,336. "AIRPORT" AND DESIGN. Registered Nov. 26, 1929. The Fred W. Albrecht Grocery Company, Akron, Ohio, a corporation of Ohio. Renewed Nov. 26, 1949. COFFEE. Class 46.

264,882. DO/MORE. Registered Dec. 10, 1929. William S. Ferris, doing business as Do/More Chair Company. Renewed Dec. 10, 1949, to Domore Chair Company, Inc., Elkhart, Ind., a corporation of Indiana. OFFICE, HOUSEHOLD, AND FACTORY CHAIRS. Class 32.

264,962. NUVO. Registered Dec. 10, 1929. I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York. Renewed Dec. 10, 1949. SHOULDER STRAPS. Class 40.

265,302. PETRO-SEAL. Registered Dec. 24, 1929. The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 24, 1949. PAINTS (LIQUID, SEMI-PASTE, OR PASTE), VARNISHES, ENAMELS, OR LACQUERS FOR THE COATING OF METAL SURFACES, ETC. Class 16.

265,413. KOTEX. Registered Dec. 24, 1929. Kotex Company. Renewed Dec. 24, 1949, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. SANITARY BELTS. Class 44.

265,447. HOLLYVOGUE. Registered Dec. 24, 1929. Mission Hosiery Mills, Los Angeles, Calif. Renewed Dec. 24, 1949, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. STOCKINGS. Class 39.

265,523. CENTURY. Registered Dec. 31, 1929. Century Cement Corporation. Renewed Dec. 31, 1949, to Century Cement Manufacturing Company, Inc., Rosendale, N. Y., a corporation of New York. CEMENT FOR CONSTRUCTION WORK. Class 12.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

45,017. "C. C. B. POCAHONTAS SMOKELESS COAL" AND DESIGN. Registered Aug. 1, 1905. Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., etc. COAL. Class 1. Corrected as follows: In the second renewal certificate, line 2, "Delaware" should be *Virginia*.

76,582. SNOW DRIFT. Registered Feb. 1, 1910. Dittlinger Lime Company, New Braunfels, Tex. HYDRATED LIME. Class 12. The drawing is hereby amended to appear as follows:

SNOW DRIFT

260,464. BON TON. Registered Aug. 27, 1929. Royal Worcester Corset Company, Worcester, Mass. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BANDEAUX, BRASSIÈRES, GIRDLES, ETC. Class 39. Amended as follows: In the statement, column 1, lines 12 and 13, "hose supporters, bloomers," is deleted, and *and* is inserted in lieu thereof; and in same line 13 and in column 2, line 1, "and underwear of woven or knitted fabric—" is deleted.

262,989. ROYAL WORCESTER. Registered Oct. 29, 1929. Royal Worcester Corset Company, Worcester, Mass. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BANDEAUX, BRASSIÈRES, GIRDLES, ETC. Class 39. Amended as follows: In the statement, lines 12 and 13, "hose supporters, bloomers," is deleted, and *and* is inserted in lieu thereof; and in same line 13 and in lines 14 and 15, "and underwear of woven or knitted fabric—" is deleted.

384,409. "PENNANT BRAND" AND DESIGN. Registered Jan. 21, 1941. Gray & Company, Portland, Oreg. COCKTAIL CHERRIES — NAMELY, PREPARED CHERRIES FOR COCKTAILS; ETC. Class 46. Amended as follows: In the statement, column 1, line 28, "marshmallow powder," is deleted; column 2, lines 14, 15, and 16, "center-creme—namely, a marshmallow preparation;" is deleted; and in same column 2, line 19, "marshmallow sundae," is deleted.

502,599. ERSIN. Registered Oct. 5, 1948. Multicore Solders Limited, London, England. FLUXES USED IN SOLDERING, BRAZING AND WELDING OPERATIONS ON METALLIC MATERIALS. Class 6. Corrected as follows: Column 2, line 7, In the declaration, beginning with the name "Richard Arbib," strike out all to and including the word and period "goods.", in line 24, and insert instead the following:

Richard Arbib of Mellier House, Albemarle Street, in the county of London being duly sworn deposes and says that he is a director of the applicant named in the foregoing statement, that he believes the foregoing statement is true; that he believes the said company is the owner of the trade-mark sought to be registered; that no other person, firm, corporation, or association to the best of his knowledge and belief, has the right to use said trade-mark in the United States, either in the identical form or in any such near resemblance thereto as might be calculated to deceive, that the said trade-mark has been registered in Great Britain on the 28th February 1940, No. 610,894; that the drawing presented truly represents the trade-mark sought to be registered; and that the specimens show the trade-mark as actually used upon the goods.

510,191. DURIDINE. Registered May 31, 1949. American Chemical Paint Company, Ambler, Pa. CHEMICAL PREPARATION OF ACIDIC REACTION APPLIED TO METALS IN SURFACE FINISHING PROCESSES. Class 6. Corrected as follows: In the statement, line 16, after the word "used" insert *in connection with such goods*.

510,548. VARI-TYPER. Registered June 7, 1949. Ralph C. Coxhead Corporation, New York, N. Y. OFFICE COMPOSING MACHINES AND REPAIR PARTS THEREFOR. Class 23. Corrected as follows: In the statement, second column, line 2, for the word "Types" read *Typer*.

Erratum

The notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 321,767, appearing in the OFFICIAL GAZETTE of May 24, 1949, page 1044, was inadvertent and is vacated.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

258,821. "THE JUNIOR LITERARY GUILD" AND DESIGN. Registered July 16, 1929. Renewed July 16, 1949. The Junior Literary Guild, Inc. PRINTED BOOKS. Class 38. New certificate under section 7(c) issued Oct. 25, 1949, to The Literary Guild of America, Inc., New York, N. Y., a corporation of New York.

500,756. REGENCY. Registered June 29, 1948. Auto Fabrics Corporation. AUTOMOBILE SEAT COVERS. Class 19. New certificate under section 7(c) issued Oct. 25, 1949, to Regency Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 359,088. Registered Aug. 2, 1938. BALLY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RELAX-CALF

The word "Calf" is disclaimed apart from the mark as shown.

FOR LEATHER.

Claims use since Sept. 23, 1937.

CLASS 2

RECEPTACLES

Reg. No. 440,912. Registered Oct. 12, 1948. KENNEDY CAR LINER & BAG CO., INC., Shelbyville, Ind., a corporation of Indiana. Republished by registrant.

KeKo

FOR BLANKET BAGS, GARMENT BAGS, AND FOOD BAGS MADE OF PLASTIC COATED MATERIAL AND SYNTHETIC FILM.

Claims use since Jan. 7, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 431,123. Registered July 8, 1947. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

Kerrybrooke

FOR WOMEN'S HANDBAGS, BILLFOLDS, KEY CASES, COIN CASES.

Claims use since Jan. 15, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 281,553. Registered Mar. 24, 1931. T. D. PERKINS, doing business as Ace Products Co., San Diego, Calif. Republished by registrant.

Ace CLEANER

The word "Cleaner" is disclaimed apart from the mark as shown.

FOR CLEANSING LIQUID FOR WOVEN OR KNIT FABRICS SUCH, FOR INSTANCE, AS DRESSES OR WEARING APPAREL OR OTHERWISE.

Claims use since on or about Jan. 10, 1928.

Reg. No. 432,866. Registered Sept. 16, 1947. OAKITE PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TRISANITE

FOR NON-SAPONACEOUS CLEANING PREPARATION HAVING ALSO DEODORIZING AND DISINFECTING QUALITIES.

Claims use since July 31, 1946.

Reg. No. 442,848. Registered June 7, 1949. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

DEGREASOL

FOR LIQUID SOLVENT AND CLEANER FOR REMOVING TAR, WAX, OIL, AND GREASE FROM MACHINERY PARTS.

Claims use since Apr. 22, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 74,321. Registered July 6, 1909. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

PUERINE

FOR BATES FOR TANNERS' USES.
Claims use since July 7, 1900.

Reg. No. 78,070. Registered May 31, 1910. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

TANOLIN

FOR CHROME-TANNING MATERIALS.
Claims use since Oct. 12, 1894.

Reg. No. 78,694. Registered July 5, 1910. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

KROMOID

FOR FILLERS OF A WAXY NATURE USED FOR IMPREGNATING HIDES AFTER THEY ARE TANNED FOR THE PURPOSE OF PRODUCING SOLE-LEATHER.
Claims use since Nov. 2, 1907.

Reg. No. 116,995. Registered June 5, 1917. THE TRACY COMPANY, INC., New London, Conn. Republished by The Tracy Company, Inc., New London, Conn., a corporation of Delaware.



The words "Tracy" and "Gas Eliminant" are disclaimed apart from the mark as shown.
FOR PREPARATION FOR USE IN THE TREATMENT FOR DYSPEPSIA.
Claims use since Aug. 5, 1911.

Reg. No. 184,218. Registered May 20, 1924. MELLEON S. ASBELL, doing business as Romero Drug Co., El Paso, Tex. Republished by Romero Drug Company, a firm, assignor to Charles T. Johnson, San Antonio, Tex.

PILDORAS CANARIO

The word "Pildoras" is disclaimed apart from the mark as shown.
FOR LAXATIVE PILLS.
Claims use since June 1920.

Reg. No. 300,181. Registered Jan. 10, 1933. GODISSART & PYLES, Hollywood, Calif. Republished by Godissart Products, Inc., Los Angeles, Calif., a corporation of California.



The words "A Superior Antiseptic and Deodorant" are disclaimed apart from the mark as shown.
FOR ANTISEPTIC, ANTITOXIC, AND DEODORANT PRODUCTS.
Claims use since June 16, 1932.

Reg. No. 303,560. Registered May 30, 1933. T. D. PERKINS, doing business as Ace Drug Co., San Diego, Calif. Republished by registrant.



FOR MINERAL OIL USED FOR MEDICINAL PURPOSES, QUININE, PEROXIDE OF HYDROGEN, BORIC ACID IN CRYSTAL AND ALSO POWDERED FORM, CITRATE OF MAGNESIA, AND ANTISEPTIC SOLUTIONS.
Claims use since Nov. 1, 1926.

Reg. No. 306,261. Registered Sept. 12, 1933. GASPAR ROTOLO, Elizabeth, N. J. Republished by registrant.



FOR PREPARATION FOR THE TREATMENT OF BOTH EXTERNAL AND INTERNAL PILES.
Claims use since Mar. 15, 1933.

CLASS 7

CORDAGE

Reg. No. 322,576. Registered Mar. 12, 1935. INDEPENDENT CORDAGE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

GOLDEN ARROW

FOR CORDAGE, ROPE, CORD, AND TWINE OF FIBRE, MANILA, SISAL, COTTON, LINEN, JUTE, AND HEMP.
Claims use since Aug. 1, 1932.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 276,500. Registered Oct. 21, 1930. RICHFIELD OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.



The word "Asphalt" is disclaimed apart from the mark as shown.
FOR ASPHALT.
Claims use since Jan. 21, 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 340,197. Registered Nov. 3, 1936. HANS DITTMAYER & Co., Peterswald, Czechoslovakia. Republished by Koh-I-Noor Spojene Kovoprumyslové Závody, Národní Podnik, also named Koh-I-Noor, United Metalware Factories, Prague, Czechoslovakia, a national corporation of Czechoslovakia.

DePe

FOR SEPARABLE SLIDE FASTENERS AND SNAP OR SPRING HOOKS.
Claims use since September 1931.

Reg. No. 420,802. Registered May 7, 1946. CLAYTON MARK & COMPANY, Evanston, Ill., a corporation of Delaware. Republished by registrant.

PETRO

FOR UNIONS FOR CONNECTING PIPES OR RODS, AND UNION CHECK VALVES.
Claims use since Mar. 3, 1930.

CLASS 15

OILS AND GREASES

Reg. No. 78,071. Registered May 31, 1910. THE MARTIN DENNIS COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

EMULSOL

FOR OLEAGINOUS COMPOUNDS FOR CURRIERS' AND LEATHER-DRESSERS' USES IN FINISHING LEATHER AFTER TANNING, AND KNOWN AS "FAT-LIQUOR."
Claims use since Nov. 18, 1903.

Reg. No. 203,664. Registered Sept. 22, 1925. RICHFIELD OIL COMPANY, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.

RICHLUBE

FOR LUBRICATING OILS.
Claims use since Jan. 1, 1915.

Reg. No. 272,884. Registered July 15, 1930. NEW YORK LUBRICATING OIL COMPANY, New York, N. Y. Republished by The California Oil Company, Barber, N. J., a corporation of Delaware.



FOR LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS.
Claims use since May 8, 1928.

Reg. No. 275,745. Registered Sept. 30, 1930. RICHFIELD OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.

CALUBE

FOR LUBRICATING OILS OR GREASES OR COMPOUNDS THEREOF.
Claims use since Sept. 15, 1924.

Reg. No. 276,773. Registered Oct. 28, 1930. RICHFIELD OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.



The words "Road Oil" are disclaimed apart from the mark as shown.

FOR ROAD-DRESSING OIL.
Claims use since Jan. 21, 1930.

Reg. No. 332,874. Registered Mar. 8, 1936. WILLIAM C. McDUFFIE, as receiver in equity for Richfield Oil Company of California, Los Angeles, Calif. Republished by Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware.



FOR PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER GENERATING, BURNING, LUBRICATING, GREASING, TEMPERING, QUENCHING, SLUSHING, AND FLUSHING; PARAFFINE; ROAD DRESSING OIL, MINERAL WAX; CANDLES; ABSORBING OIL FOR BENZOL VAPORS OBTAINED IN THE DISTILLATION OF COAL; NAPHTHA; KEROSENE; PETROLEUM DISTILLATES FOR ENGINE FUEL; BENZINE; GASOLINE.
Claims use since on or before Dec. 1, 1931.

Reg. No. 385,305. Registered Feb. 25, 1941. RICHFIELD OIL CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.



FOR GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, STOVE FUEL OIL, DISTILLATE, MOTOR FUEL OIL, DIESEL OIL, MOTOR CLEANING OILS, ASPHALT OILS, ROAD OILS, AND NAPTHA.
Claims use since June 1, 1937.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 385,373. Registered Feb. 25, 1941. MAX SCHWARZ MANUFACTURER LA PRIMADORA HAVANA CIGARS, LTD., New York, N. Y. Republished by La Primadora Cigar Corporation, New York, N. Y., a corporation of New York.

Alumination

FOR CIGARS.
Claims use since Sept. 7, 1940.

Reg. No. 385,374. Registered Feb. 25, 1941. MAX SCHWARZ MANUFACTURER LA PRIMADORA HAVANA CIGARS, LTD., New York, N. Y. Republished by La Primadora Cigar Corporation, New York, N. Y., a corporation of New York.

REMBRANDT

FOR CIGARS.
Claims use since July 1902.

Reg. No. 392,322. Registered Dec. 23, 1941. MAX SCHWARZ MANUFACTURER LA PRIMADORA HAVANA CIGARS, LTD., New York, N. Y. Republished by La Primadora Cigar Corporation, New York, N. Y., a corporation of New York.

MAXIMO

FOR CIGARS.
Claims use since 1928.

CLASS 19

VEHICLES

Reg. No. 429,559. Registered May 6, 1947. FORD MOTOR COMPANY, Dearborn, Mich., a corporation of Delaware. Republished by registrant.



FOR MOTORCARS.
Claims use since Oct. 3, 1941.

Reg. No. 429,560. Registered May 6, 1947. FORD MOTOR COMPANY, Dearborn, Mich., a corporation of Delaware. Republished by registrant.



The drawing is lined for color: the helmet, borders, roundels, and star being gold, the cross red, and the quarters blue and white.

FOR MOTORCARS.
Claims use since Jan. 11, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 339,581. Registered Oct. 13, 1936. KNAPP-MONARCH COMPANY, St. Louis, Mo. Republished by Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware.

TEL-A-LITE

FOR ELECTRIC CORD SETS OR TERMINAL PLUGS.
Claims use since Dec. 30, 1935.

Reg. No. 440,338. Registered Aug. 24, 1948. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

VERTICLOSED

FOR VERTICAL HOLLOW SHAFT ELECTRICAL MOTORS.
Claims use since Feb. 7, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 323,621. Registered Apr. 23, 1935. A. W. PHILLIPS LIMITED, Nuneaton, England, a corporation of Great Britain. Republished by registrant.

TUFTEX

FOR LAWN TENNIS BALLS.
Claims use since Sept. 29, 1934.

Reg. No. 404,721. Registered Dec. 21, 1943. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

HAPPI-TIME

FOR TOYS—NAMELY, DOLLS, STOVES, REFRIGERATORS, PUNCHING BAGS, STUFFED BEARS, BLACKBOARDS, TRICYCLES, WAGONS, SLEDS.
Claims use since Dec. 13, 1940.

Reg. No. 411,427. Registered Jan. 16, 1945. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

HAPPI-TIME

FOR EDUCATIONAL TOYS — NAMELY, SEWING KITS, WEAVING SETS, DOLL CUTOUT SETS, BLOCK SETS, PEG SETS, PAINTING SETS, DRAWING SETS, DOCTOR AND NURSE KITS, CLAY MODELLING SETS AND PRINTING AND STAMPING SETS; HOUSEKEEPING TOYS—NAMELY, KITCHEN CABINETS, WARDROBE CHESTS, TELEPHONE SETS, CLEANING SETS (CONSISTING OF BROOM, MOP, DUSTPAN AND CARPET SWEEPER), LAUNDRY SETS, BAKING SETS, DINNERWARE SETS; WHEEL TOYS — NAMELY, SCOOTERS, HANDCARS, AUTOMOBILES; HOBBY TOYS—NAMELY, JIG SAW PUZZLES, PUZZLE APPARATUS, PUZZLE GAMES, MAGIC OUTFITS, WOODBURNING SETS, ARCHERY SETS, DART SETS, POOL AND BILLIARD SETS; HEALTH TOYS AND EXERCISERS—NAMELY, RATTLES, BALLS, SHOO FLYS, HORSIE ROCKERS, HOBBY HORSES, BATS, BOXING GLOVES, FOOTBALLS, BASKETBALL SETS; MILITARY TOYS — NAMELY, GUNS, AIRPORT SETS; SHOOTING TOYS—NAMELY, MACHINE GUNS, COWBOW SETS AND POPGUNS; FARM TOYS—NAMELY, IMPLEMENT SETS, FARM ANIMALS AND FARM BUILDINGS; DOLL BUGGIES, BEDS, CRADLES, FURNITURE SETS AND CHAIRS, DOLL HOUSES AND DOLL FURNITURE, MUSICAL TOYS, PLAY STORE KITS, DOLL CLOTHES, DOLL BEDDING, TOY TYPEWRITERS, TRAIN SETS, FLOOR AND PULL TOYS, TOY BOOKS AND SETS OF BOOKS.
Claims use since December 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 162,830. Registered Dec. 26, 1922. MOLINE PLOW COMPANY, Moline, Ill., now by change of name Illinois American Plow Company, assignor to Moline Plow Company, Incorporated. Republished by Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.

BLUE BIRD

FOR PLOWS.
Claims use since about 1895.

Reg. No. 171,596. Registered Aug. 7, 1923. MOLINE PLOW COMPANY, INCORPORATED, Moline, Ill. Republished by Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.

UNI-TILLER

FOR DEVICES FOR CARRYING AGRICULTURAL TOOLS AND CONNECTING THEM TO TRACTORS OR OTHER SOURCES OF DRAFT POWER.
Claims use since Dec. 1, 1922.

Reg. No. 263,267. Registered Nov. 5, 1929. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Republished by registrant.

RED STREAK

FOR SAWS.
Claims use since June 12, 1929.

Reg. No. 293,653. Registered May 3, 1932. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Hopkins, Minn. Republished by Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.

MM

FOR HAMMER MILLS.
Claims use since July 1, 1931.

Reg. No. 312,729. Registered May 8, 1934. PERSY MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROTO-GATE

The word "Gate" is disclaimed apart from the mark as shown.
FOR TURNSTILES AND LIKE PASSAGE-CONTROLLING GATES OF THE ROTARY TYPE.
Claims use since May 24, 1932.

Reg. No. 363,435. Registered Dec. 27, 1938. E. W. BLISS COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant, present address Toledo, Ohio.

BLISS

FOR METAL WORKING PRESSES OF ALL KINDS, METAL DRAWING MACHINES, CAN MAKING AND FILLING MACHINES, METAL CUTTING MACHINES, LATHES, BORING MILLS, THREADING AND SPINNING MACHINES, ROLLING MILLS, WIRE FORMING AND WORKING MACHINES, SWAGING MACHINES, AND IN GENERAL MACHINERY USED IN ALL PHASES OF THE PRODUCTION OF ARTICLES OF SHEET METAL, AND EQUIPMENT AND PARTS FOR SUCH DEVICES SUCH AS SHEET METAL FORMING MACHINES, SHEARING MACHINES, DRILLING MACHINES, AND ALL SIMILAR SHEET METAL WORKING MACHINES.
Claims use since 1873.

Reg. No. 395,070. Registered May 12, 1942. ROTARY LIFT COMPANY, Memphis, Tenn., a corporation of Delaware. Republished by registrant.

Airdraulic

FOR NON-ELECTRIC FREIGHT AND PASSENGER ELEVATORS AND AUTOMOBILE, BUS, TRUCK, AND FREIGHT LIFTS.
Claims use since on or about July 1, 1928.

Reg. No. 398,983. Registered Dec. 8, 1942. ROTARY LIFT COMPANY, Memphis, Tenn., a corporation of Delaware. Republished by registrant.

Oildraulic

FOR FLUID OPERATED FREIGHT AND PASSENGER ELEVATORS AND AUTOMOBILE, BUS, TRUCK, AND FREIGHT LIFTS.
Claims use since on or about July 1, 1927.

Reg. No. 420,195. Registered Apr. 2, 1946. THE GENERAL IMPLEMENT COMPANY OF AMERICA, INC., Cleveland, Ohio. Republished by General Implement Corporation, Cleveland, Ohio, a corporation of Ohio, now by change of name General Implement Corporation of Ameria, a corporation of Ohio.



FOR MANURE SPREADERS, HAMMER MILLS, LIME SPREADERS, HAY LOADERS, CORN PICKERS, CORN PLANTERS, CULTIVATORS, DISC HARROWS, GROUND LEVELERS, HARROWS, FERTILIZER SOWERS, MULCHERS, PLOWS, POTATO PLANTERS, POTATO DIGGERS, PULVERIZERS, SEEDERS, SPRING TOOTH HARROWS, AND WHEEL HOES.
Claims use since January 1938.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 256,542. Registered May 21, 1929. RAWSON ELECTRICAL INSTRUMENT COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

MULTIMETER

FOR ELECTRIC METERS.
Claims use since the latter part of 1919.

Reg. No. 314,069. Registered June 19, 1934. PERSY MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PASSIMETER

FOR COUNTING AND RECORDING TURNSTILES AND LIKE PASSAGE-CONTROLLING BARRIERS OF THE ROTARY TYPE.
Claims use since Jan. 20, 1923.

Reg. No. 442,990. Registered June 28, 1949. STEWART-WARNER CORPORATION, Chicago, Ill., a corporation of Virginia. Republished by registrant.

SW

FOR ELECTRICAL APPARATUS FOR DETECTING THE ANGULAR LOCUS OF STATIC AND DYNAMIC UNBALANCE OF WHEELS.
Claims use since Mar. 20, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 443,035. Registered July 5, 1949. THE ELLMORE SILVER CO., INC., Meriden, Conn., a corporation of Connecticut. Republished by registrant.

W

FOR FORKS, KNIVES, SPOONS AND OTHER FLAT TABLEWARE, AND HOLLOW-WARE — NAMELY, BOWLS, PLATES, TRAYS, PITCHERS, AND COFFEE AND TEA POTS, ALL MADE OF SILVER OR SILVER PLATE.
Claims use since about July 1, 1898.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 108,699. Registered Feb. 22, 1916. HARLEM FURNITURE COMPANY, New York, N. Y. Republished by The Buckley, Newhall Company, Brooklyn, N. Y., a corporation of New York.

STANDARD QUALITY

The words "Standard Quality" are disclaimed apart from the mark as shown.
FOR BEDS, BOOKCASES, BUFFETS, BUREAUS, CHAMBER-CHAIRS, CHIFFONIERS, CHINA-CLOSETS, DAVENPORTS, DESKS, DINING-CHAIRS, DINING TABLES, DRESSERS, KITCHEN-CHAIRS, KITCHEN-TABLES, MIRRORS, OFFICE-CHAIRS, OFFICE-TABLES, PARLOR-CHAIRS, PARLOR-TABLES, SERVING-TABLES, SIDEBOARDS, TOILET-TABLES.
Claims use since June 1911.

Reg. No. 426,168. Registered Dec. 17, 1946. SEALY, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Sealy

FOR MATTRESSES AND SOFA BEDS, STUDIO COUCHES, AND UPHOLSTERED CHAIRS.
Claims use since Jan. 1, 1889.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 423,257. Registered Aug. 27, 1946. THE BURKAY CO., Toledo, Ohio. Republished by A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York.

THROTTLFLO

FOR DIFFERENTIAL EXPANSION THERMALLY ACTUATED FLUID BURNER CONTROL APPARATUS AND PARTS THEREOF, THE CONTROL TO BE OF A HEAT SOURCE TO ACT UPON FLUID.
Claims use since as early as Oct. 22, 1945.

CLASS 37

PAPER AND STATIONERY

Reg. No. 219,420. Registered Oct. 19, 1926. KURTZ BROS., Clearfield, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR TABLETS, PRACTICE PAPER, BLANKS, LABELS, NOTE AND COMPOSITION BOOKS, BLACK-

BOARD ERASERS, WAX AND CHALK CRAYONS, PENCIL SHARPENERS, COPY BOOKS, NOTEBOOK COVERS, AND REPORT BOOKS.
Claims use since June 20, 1907.

Reg. No. 338,598. Registered Sept. 8, 1936. NASCON SERVICE, INC., New York, N. Y. Republished by Nascon Products, Inc., Pittsfield, Mass., a corporation of New York.

WEEK-AT-A-GLANCE

FOR CALENDAR BOOKS AND MEMORANDUM BOOKS.
Claims use since the early part of January 1934.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 47,473. Registered Nov. 7, 1905. L. C. PAGE & COMPANY, Boston, Mass. Republished by L. C. Page & Company, Boston, Mass., a corporation of Massachusetts.

THE·LITTLE·COLONEL

FOR BOOKS.
Claims use since 1895.

Reg. No. 261,348. Registered Sept. 17, 1929. THE MOBILE PRESS PUBLISHING COMPANY, Mobile, Ala. Republished by The Mobile Press Register, Inc., Mobile, Ala., a corporation of Alabama.

THE MOBILE PRESS

FOR DAILY NEWSPAPER.
Claims use since Apr. 15, 1929.

CLASS 39

CLOTHING

Reg. No. 127,301. Registered Nov. 4, 1919. ARTHUR A. WILLIAMS, Holliston, Mass. Republished by Goodwill Shoe Company, Holliston, Mass., a corporation of Massachusetts.

Goodwill

FOR MEN'S AND BOYS' LEATHER BOOTS AND SHOES.
Claims use since Mar. 6, 1919.

Reg. No. 155,869. Registered June 6, 1922. HERMAN WILHELM, New York, N. Y. Republished by Novelty Slipper Co., Inc., New York, N. Y., a corporation of New York.

SNUG-FIT

FOR FELT SLIPPERS.
Claims use since Jan. 23, 1921.

Reg. No. 181,199. Registered Mar. 18, 1924. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

THREE FEATHERS

FOR LADIES', MEN'S, AND CHILDREN'S UNDERWEAR OF KNITTED AND TEXTILE FABRIC.
Claims use sine Aug. 30, 1923.

Reg. No. 190,197. Registered Oct. 7, 1924. D. T. LANGROCK, INC., New Haven, Conn. Republished by David T. Langrock, New Haven, Conn.

LANGROCK

FOR MEN'S SACK COATS, CUTAWAY COATS, FULL DRESS SUITS, TUXEDO SUITS, PRINCE ALBERT SUITS, AND GOLF SUITS; MEN'S AND BOYS' ULSTERS, TOPCOATS, OVERCOATS, TROUSERS, KNICKERBOCKERS, VESTS AND SUITS, NECKTIES, CRAVATS, SCARFS, COLLARS, HARD AND SOFT FELT HATS, STRAW HATS, CAPS, DRESS SHIRTS, SPORT SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, SWEATERS, HOSIERY, AND KNITTED AND TEXTILE FABRIC UNDERWEAR; AND WOMEN'S SUITS, COATS, DRESSES, HOSIERY, SWEATERS, SCARFS, COLLARS, AND NECKTIES.
Claims use since 1896.

Reg. No. 258,030. Registered June 25, 1929. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Mansco

FOR KNIT UNDERWEAR AND CUT AND SEWN UNDERWEAR, AS FOLLOWS: SHIRTS, DRAWERS, AND UNION SUITS, ATHLETIC DRAWERS, ALSO KNOWN AS RUNNING PANTS OR TRACK PANTS, SPORTS SHIRTS, DRESS SHIRTS, AND NEGLIGEE SHIRTS, AND PAJAMAS.
Claims use since June 16, 1915.

Reg. No. 263,758. Registered Nov. 12, 1929. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

DUKE

FOR NEGLIGEE AND SPORT SHIRTS.
Claims use sine May 1928.

Reg. No. 275,021. Registered Sept. 9, 1930. HARRINGTON & WARING, New York, N. Y. Republished by A. B. Hammett, Hollywood, Calif.

HOLLYWOOD

FOR LADIES', MISSES', AND CHILDREN'S UNDERWEAR MADE OF SILK, RAYON, OR TEXTILE FABRICS, OR ANY COMBINATION THEREOF.
Claims use since Sept. 1, 1928.

Reg. No. 313,636. Registered June 5, 1934. MOSES B. NIERENBERG, doing business as Dundee Knitting Mills, New York, N. Y. Republished by Harry J. Nierenberg, doing business as Dundee Knitwear Co., New York, N. Y.

Derby

FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SWEATERS; KNITTED COATS, KNITTED BATHING SUITS; LADIES' KNITTED SUITS AND LADIES' KNITTED DRESSES.
Claims use since Feb. 18, 1931.

Reg. No. 349,565. Registered Aug. 31, 1937. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

AIRONETTE

FOR WOMEN'S AND MISSES' SLIPS, PAJAMAS, AND NIGHT-GOWNS.
Claims use since Nov. 1, 1935.

Reg. No. 352,953. Registered Dec. 21, 1937. SWALLOW RAINCOATS LIMITED, Birmingham, England, a corporation of Great Britain and Northern Ireland. Republished by registrant.

SWALLOW RAINCOAT

All of the wording appearing on the drawing is disclaimed apart from the mark as shown, except the word "Swallow."
FOR RAINCOATS FOR MEN AND MADE OF COTTON OR A MIXTURE OF COTTON AND WOOL, AND WHERE LININGS ARE PROVIDED SUCH LININGS MAY BE OF COTTON OR WOOL, OR COTTON AND WOOL, OR OF ARTIFICIAL SILK.
Claims use since 1931.

Reg. No. 380,848. Registered Sept. 3, 1940. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

JEEPERS

FOR WOMEN'S AND CHILDREN'S SHOES FORMED OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF.
Claims use since Apr. 15, 1938.

Reg. No. 390,406. Registered Sept. 23, 1941. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

WEARMASTER

FOR MEN'S AND BOYS' RUBBER FOOTWEAR—NAMELY, RUBBER BOOTS, ARCTICS; SHOES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF.
Claims use since Mar. 29, 1939.

Reg. No. 398,940. Registered Dec. 8, 1942. STONE-TARLOW CO., INC., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

STONE TARLOW Signatures

The name "Tarlow" is disclaimed apart from the mark as shown.
FOR LEATHER SHOES.
Claims use since on or about December 1934.

Reg. No. 404,277. Registered Nov. 16, 1943. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

Gale

FOR CORSETS AND BRASSIÈRES.
Claims use since July 9, 1921.

Reg. No. 421,367. Registered May 28, 1946. A. DAVIS & SONS, New York, N. Y., a firm. Republished by registrant.

MIRACLON

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, AND COAT AND SUIT ENSEMBLES.
Claims use since June 1, 1944.

Reg. No. 442,788. Registered May 31, 1949. MARYON HOSIERY MILL, Carrollton, Ga., assignor to Maryon Hosiery Mill, Inc. Republished by Maryon Hosiery Mill, Inc., Carrollton, Ga., a corporation of Georgia.



The word "Socks" is disclaimed apart from the mark as shown.
FOR MEN'S AND CHILDREN'S HOSIERY.
Claims use since Feb. 24, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 303,416. Registered May 23, 1933. THOMAS S. WARREN, Los Angeles, Calif. Republished by Ultra-Violet Products, Inc., Los Angeles, Calif., a corporation of California.



The words "Ultra-Violet" are disclaimed apart from the mark as shown.
FOR THERAPEUTIC DEVICES, AND MORE PARTICULARLY A HAND MANIPULATED THERAPEUTIC DEVICE TO BE MOVED OVER THE BODY.
Claims use since Nov. 1, 1932.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 52,710. Registered May 15, 1906. THE APOLLINARIS COMPANY, LIMITED, London, England, a joint stock company organized under the laws of Great Britain. Republished by registrant.



FOR MINERAL WATER.
Claims use since June 1, 1885.

Reg. No. 53,335. Registered May 29, 1906. DIE ACTIEN-GESELLSCHAFT APOLLINARIS BRUNNEN, Neuenahr, Germany. Republished by The Apollinaris Company, Limited, London, England, a joint stock company organized under the laws of Great Britain.



The trade-mark consists of the arbitrary word "Apollinaris" in black letters, associated with a triangular figure in solid red on an orange or yellow surface.
FOR MINERAL WATER.
Claims use since May 28, 1887.

Reg. No. 58,006. Registered Dec. 4, 1906. THE APOLLINARIS COMPANY, LIMITED, London, England, a joint stock company organized under the laws of Great Britain. Republished by registrant.



The color of the triangular-shaped figure is red.
FOR MINERAL WATER.
Claims use since Apr. 4, 1885.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 77,133. Registered Mar. 15, 1910. WILLIAM N. MOORE, Redlands, Calif. Republished by Elephant Orchards, Redlands, Calif., a corporation of California.



The words "Redlands, Cal.," are disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS, COMPRISING ORANGES, LEMONS, LIMES, AND GRAPEFRUIT.
Claims use since Feb. 1, 1908.

Reg. No. 102,847. Registered Feb. 28, 1915. EUDORA HULL SPALDING, Sespe, Calif. Republished by Keith Spalding, Trustee under the Will of Eudora Hull Spalding, deceased, Pasadena, Calif.



The colors indicated on the drawing are essential to this mark; background dark blue; center stripe gold; shields of red and white bars; rooster on shield, white.
FOR LEMONS, ORANGES, AND GRAPEFRUIT.
Claims use since July 15, 1914.

Reg. No. 102,848. Registered Feb. 23, 1915. EUDORA HULL SPALDING, Sespe, Calif. Republished by Keith Spalding, Trustee under the Will of Eudora Hull Spalding, deceased, Pasadena, Calif.



The following colors indicated on the drawing are essential to this mark; background dark blue; center stripe green; shield of red and white bars; rooster on shield, white.
FOR LEMONS, ORANGES, AND GRAPEFRUIT.
Claims use since July 15, 1914.

Reg. No. 102,849. Registered Feb. 23, 1915. EUDORA HULL SPALDING, Sespe, Calif. Republished by Keith Spalding, Trustee under the Will of Eudora Hull Spalding, deceased, Pasadena, Calif.



The following colors indicated on the drawing are essential to this mark; background dark blue; center stripe red; shield of red and white bars; rooster on shield, white.
FOR LEMONS, ORANGES, AND GRAPEFRUIT.
Claims use since July 15, 1914.

Reg. No. 102,850. Registered Feb. 23, 1915. EUDORA HULL SPALDING, Sespe, Calif. Republished by Keith Spalding, Trustee under the Will of Eudora Hull Spalding, deceased, Pasadena, Calif.



The colors indicated on the drawing are essential to this mark; background dark blue; center stripe light blue; shield of red and white bars; rooster on shield, white.
FOR LEMONS, ORANGES, AND GRAPEFRUIT.
Claims use since July 15, 1914.

Reg. No. 172,065. Registered Aug. 21, 1923. WILLIAM G. ROE, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.



FOR FRESH FRUITS AND DECIDUOUS FRUITS.
Claims use since Dec. 29, 1922.

Reg. No. 173,710. Registered Oct. 2, 1923. WILLIAM G. ROE, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

TRUBLU BRAND



The representation of the orange and the word "Brand" are disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 29, 1922.

Reg. No. 177,883. Registered Jan. 1, 1924. WILLIAM G. ROE, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

RED DEER



The word "Brand" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 29, 1922.

Reg. No. 188,274. Registered Aug. 19, 1924. WILLIAM G. ROE, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

NOBLE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Nov. 27, 1923.

Reg. No. 264,012. Registered Nov. 12, 1929. ADOLPH GOLDMARK & SONS, CORP., New York, N. Y., a corporation of New York. Republished by registrant.

Victor Renee

FOR CANNED SARDINES.
Claims use since Oct. 1, 1880.

Reg. No. 294,860. Registered June 7, 1932. WM. G. ROE & COMPANY, INC., Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

BLUE LAKE

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 20, 1931.

Reg. No. 305,675. Registered Aug. 22, 1933. WINTER HAVEN FRUIT SALES CORPORATION, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

COMBAT

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1933.

Reg. No. 312,417. Registered Apr. 24, 1934. D. GOLDENBERG, INC., Philadelphia, Pa. Republished by Goldenberg Candy Company, Philadelphia, Pa., a firm.

CHEW-ETS

FOR CANDY.
Claims use since Sept. 4, 1928.

Reg. No. 315,749. Registered Aug. 7, 1934. THE SCHRATTER CORPORATION, New York, N. Y. Republished by Sadie Schratter, doing business as The Schratter Company, New York, N. Y.



The words "Fromage," "Surchoix," "Product of France," "Extra Fancy" and the abbreviation "N. Y. C." are disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since February 1930.

Reg. No. 317,965. Registered Oct. 9, 1934. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

MARKET MASTER

FOR PREPARED FLOUR FOR DOUGHNUTS AND CAKES.
Claims use since Apr. 14, 1934.

Reg. No. 328,069. Registered Sept. 17, 1935. WINTER HAVEN FRUIT SALES CORPORATION, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

TRU-TONE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Oct. 29, 1932.

Reg. No. 332,774. Registered Feb. 25, 1936. MID-WEST PRODUCERS' CREAMERIES, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant, present address South Bend, Ind.

Valley Lea

The drawing is lined for the color purple.
FOR BUTTER.
Claims use since Nov. 1, 1934.

Reg. No. 333,299. Registered Mar. 17, 1936. WINTER HAVEN FRUIT SALES CORPORATION, Winter Haven, Fla. Republished by Wm. G. Roe & Sons, Winter Haven, Fla., a partnership.

TRU-TYPE



The words "Tru-Type" are disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Oct. 29, 1932.

Reg. No. 334,192. Registered Apr. 21, 1936. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

POWERHOUSE

FOR WHEAT FLOUR.
Claims use since Oct. 26, 1935.

Reg. No. 370,115. Registered Aug. 15, 1939. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

ROLLEX

FOR PREPARED MIXTURE FOR THE MAKING OF CAKES, ROLLS, DOUGHNUTS, BREAD, AND OTHER PASTRY PRODUCTS.
Claims use since on or about May 7, 1938.

Reg. No. 401,423. Registered May 18, 1943. OSAGE PRODUCE COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

OSAGE CHIEF

FOR FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS.
Claims use since May 6, 1942.

CLASS 47

WINES

Reg. No. 52,478. Registered May 8, 1906. COMPAÑIA VINICOLA DEL NORTE DE ESPAÑA, Bilbao, Spain, a corporation of Spain. Republished by registrant.



FOR CLARET IN BOTTLES.
Claims use since 1882.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 320,940. Registered Jan. 15, 1935. THE DREWRYS LTD., U. S. A., Chicago, Ill. Republished by Drewrys Ltd., U. S. A. Inc., Chicago, Ill.



The word "Ale" is disclaimed apart from the mark as shown. The lining shown on the drawing indicates the color red.

FOR ALE OF NOT MORE THAN LEGAL ALCOHOLIC CONTENT.

Claims use since Aug. 31, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 376,902. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



The representation of a label per se is disclaimed apart from the mark as shown. All the wording except "Hiram Walker's Canadian Club" and applicant's name is also disclaimed apart from the mark as shown. The drawing is lined for black, gold, and green.

FOR CREME DE MENTHE.

Claims use since on or about August 1937.

Reg. No. 376,906. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.

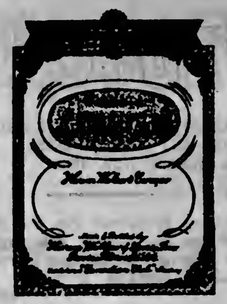


The representation of a label per se is disclaimed apart from the mark as shown. All the wording except "Hiram Walker's Canadian Club" and applicant's name is also disclaimed apart from the mark as shown. The drawing is lined for gold, black, red, blue, green, and brown.

FOR CREME DE CACAO.

Claims use since on or about August 1937.

Reg. No. 376,907. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



The drawing is lined for black, gold, and orange. The representation of a label per se is disclaimed apart from the mark as shown. All the wording except "Hiram Walker's Canadian Club" and applicant's name is also disclaimed apart from the mark as shown.

FOR ORANGE CURAÇAO.

Claims use since on or about August 1937.

Reg. No. 376,908. Registered Apr. 9, 1940. HIRAM WALKER & SONS, INC., Peoria, Ill., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



The drawing is lined for black, gold, and red. The representation of a label per se is disclaimed apart from the mark as shown. All the wording except "Hiram Walker's Canadian Club" and applicant's name is also disclaimed apart from the mark as shown.

FOR KUMMEL.

Claims use since on or before September 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 429,142. Registered Apr. 22, 1947. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

HERITAGE

FOR CEMETERY MONUMENTS.

Claims use since January 1944.

REISSUES

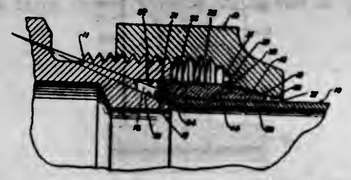
OCTOBER 25, 1949

23,157
TUBE COUPLING

Frank A. Kane, Jr., Fairfield, Conn.

Original No. 2,466,217, dated April 5, 1949, Serial No. 679,316, June 26, 1946. Application for reissue August 25, 1949, Serial No. 112,332

7 Claims. (Cl. 285—122)



1. In a coupling device for tubing having an outwardly flared end portion, a connector member having an end wall provided with an annular recess with an inner conical wall inclined to the tubing axis, a sleeve disposed about the said tubing and having a forward inner conical surface and a rear outer conical surface, a protuberance on said outer conical surface, the said flared end of the tubing and the forward portion of the sleeve being proportioned to conjointly enter the said annular recess of the connector member, the recess being proportioned to accommodate said flared end and forward portion from their assembled initial position at the rear entrance of the recess to a final assembled position forwardly thereof, the inclination of the said forward inner conical surface of the sleeve relative to the tubing axis being greater than the inclination of the outer flared surface of the tubing when at said initial position, whereby a substantially conical space is formed between the forward end of the sleeve and the flared end of the tubing, the inclination of the inner conical wall of the said recess relative to the tubing axis being greater than the inclination of the inner flared surface of the tubing at said initial position, whereby a substantially conical space is formed between the flared end of the tubing and the said inner conical wall; further provided with a locking member cooperating with the said connector member and having an internal conical surface inclined to the tubing axis to provide a tapered wall portion, said wall portion being slidably engageable with said rear outer conical surface of the sleeve, the forward edge of said wall portion being engageable with said protuberance, the inclination of said tapered wall portion relative to the tubing axis being greater than the inclination of said rear outer conical surface of the sleeve when the tubing and sleeve are at the said initial position, whereby a substantially conical space is formed between the wall portion and rear end of the sleeve.

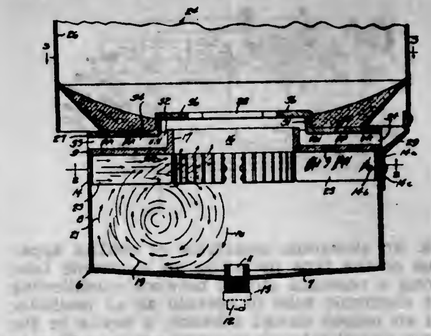
23,158
POT TYPE OIL BURNER

Harry C. Little, San Rafael, Calif.

Original No. 2,401,686, dated May 28, 1946, Serial No. 498,652, August 14, 1943. Application for reissue May 26, 1947, Serial No. 750,428

11 Claims. (Cl. 158—91)

10. In an oil burner, a container having an oil vaporizing and air mixing chamber therein and provided with a discharge throat at the upper portion thereof, means for admitting oil to said container for ignition in said combustion chamber, means for admitting primary air to said combustion chamber for admixture with oil vapor therein, said throat being of a form to cause the mixture to flow upwardly therein in a substantially cylindrical column from said chamber, means for introducing secondary air to the column below the top of the throat and inwardly-projecting substantially-coplanar members spaced immediately above said last means overlying the flow path of said column of combustible mixture for intercepting portions of said flow and for effecting a radial concentration of said flow toward the axis of the latter as the flow passes through said throat, the combined effective transverse area of said members being less than the total transverse area of the spaces between said members.

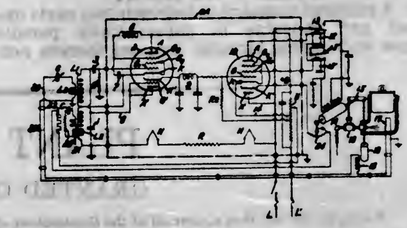


23,159
ELECTRONIC MEASURING AND CONTROL APPARATUS

George A. F. Machlet, Elizabeth, N. J.

Original No. 2,434,941, dated January 27, 1948, Serial No. 499,557, August 21, 1943. Application for reissue March 10, 1949, Serial No. 80,707

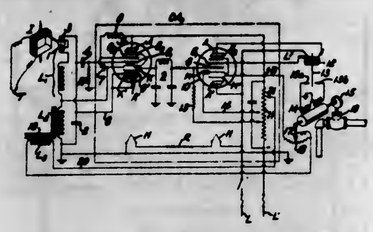
29 Claims. (Cl. 236—68)



13. In an electronic measuring or control apparatus, a source of oscillatory current, an electronic tube having an input circuit network coupled to said source, said network including an inductance and being normally balanced at a selected control factor value to develop a predetermined normal current output from said tube, an output network for said tube including a controlled device operative upon departure of the current output from its normal value, and a controlling circuit for affecting the balance of the

input circuit network in accordance with changes in the magnitude of a selected control factor; said controlling circuit including a coil coupled to an inductance of said input circuit network, and a non-capacitive impedance varying in magnitude with said control factor.

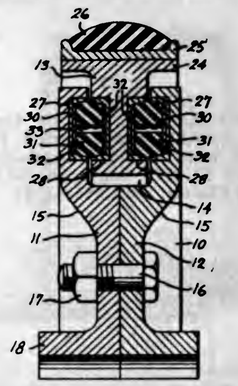
23,160
MEASURING AND CONTROL APPARATUS
George A. F. Machlet, Elizabeth, N. J.
Original No. 2,414,314, dated January 14, 1947, Serial No. 420,442, November 25, 1941. Application for reissue April 13, 1949, Serial No. 87,301
46 Claims. (Cl. 236—69)



44. An electronic measuring or control apparatus of the type including an electronic tube having a resonant circuit network conditioning said electronic tube to operate as an oscillator and an output circuit network, a device in the output circuit network responsive to variations in the tube output current, and a circuit for affecting the balance condition of said resonant circuit network and thereby the tube output current; characterized by the fact that said circuit is inductively coupled to said resonant circuit network and includes a variable magnitude non-capacitive impedance comprising a coil and a metal member movable with respect to the coil to vary the inductive impedance.

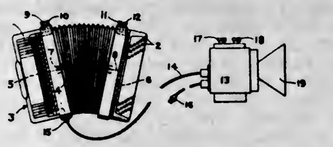
23,161
RESILIENT WHEEL
James Matthew MacLean, Windsor, Ontario, Canada
Original No. 2,450,672, dated October 5, 1948, Serial No. 448,122, June 23, 1942. Application for reissue April 14, 1949, Serial No. 87,551
5 Claims. (Cl. 152—41)

1. A resilient connection between two parts disposed and movable in substantially parallel planes and having circular recesses therein normally in axial alignment, comprising a cup rotatably mounted in one recess, a disc freely positioned on the bottom of the cup, and a shock-



absorbing element extending into the recess of one part and into the cup against its disc within the recess of the other part.

23,162
MUSICAL INSTRUMENT
Dominick Zaccagnino, Newark, N. J.
Original No. 2,356,368, dated August 22, 1944, Serial No. 498,165, August 11, 1943. Application for reissue August 7, 1946, Serial No. 688,832
3 Claims. (Cl. 84—1.04)



1. In an accordion having at least one bank of reeds on each side, a pair of elongated microphones substantially corresponding in length to the length of the banks of reeds and mounted one in each side thereof, an extensible coiled wire electric current conductor operatively interconnecting said microphones, a volume control unit operatively connected to each of said microphones, an amplifier control unit, a loud speaker, and means connecting said microphones, amplified control unit and loud speaker in audio electric current transmitting connection.

PLANT PATENTS

GRANTED OCTOBER 25, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

885
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application October 14, 1947, Serial No. 779,723
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by vigorous growth and production of large, leathery, and glossy foliage; high degree of resistance to mildew and blackspot; the form of the buds and flowers and their coloring in the respective stages of development; the long, strong flower stems and their relative freedom from prickles; and the penetrating tea-rose fragrance of the flowers, substantially as shown and described.

886
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor, by mesne assignments, to Inter-State Nurseries, Inc., Hamburg, Iowa, a corporation of Delaware
Application June 2, 1948, Serial No. 30,561
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its upright, moderately branched growing habit with a normal amount of large, leathery, glossy leaves and more than average resistance to mildew; and by its production of buds of average to large size, opening to large flowers five to six inches in diameter and of unusual colors, substantially as herein shown and described.

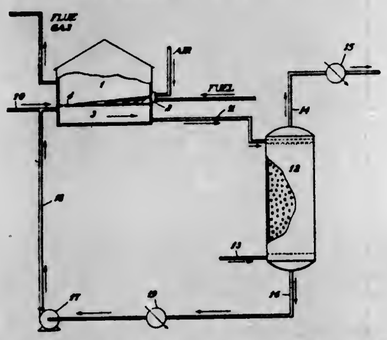
887
JAPANESE HOLLY PLANT
Warren E. Stokes, Butler, Pa.
Application November 8, 1947, Serial No. 784,879
1 Claim. (Cl. 47—59)

A new and distinct variety of Japanese holly plant, substantially as shown and described, characterized by its exceedingly dwarf, dense, compact habit of growth, the small size and closeness together of its leaves, its hardiness and its adaptability for either hedge or specimen use.

PATENTS

GRANTED OCTOBER 25, 1949

2,485,542
PROTECTION OF HEAT TRANSFER MEDIA
Armand J. Abrams, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,611
5 Claims. (Cl. 23—1)

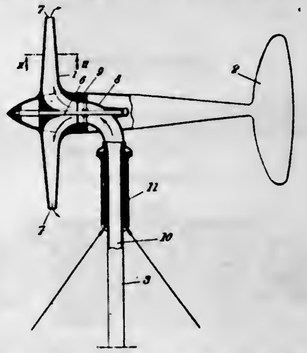


1. In the method of transferring heat to a zone to be maintained at an elevated temperature in which a molten oxidizable metallic heat transfer agent is caused to pass continuously in heat transfer relationship with said zone and the heat removed from said zone restored in a separate heating zone the improvement which comprises continuously introducing the molten metal withdrawn from the first zone into the bottom portion of the heating zone and maintaining a pool of the molten metal in the bottom of the heating zone, superimposing on the surface of said pool of metal in heating zone as a protective covering a substantially stationary layer consisting of a fused mixture of oxides selected from the class consisting of refractory oxides of elements of series 2, 3 and 4 of groups I to IV of the periodic table of the elements, introducing hot oxidizing gases into the upper portion of the heating zone, continuously withdrawing hot molten metal from the pool of molten metal in the heating zone beneath the protective covering at a point remote from the point of introduction of said molten metal and regulating the flow of molten metal to and from the pool of metal in said heating zone to maintain the interface between the surface of the metal of said pool and protective covering thereof slightly above the point of introduction of the molten metal to the heating zone whereby impurities in said molten metal are transferred to the protective layer.

2,485,543
POWER PLANT
Jean Edouard Andreau, Leognan, France
Application August 29, 1946, Serial No. 693,653
In France October 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1963
17 Claims. (Cl. 60—60)

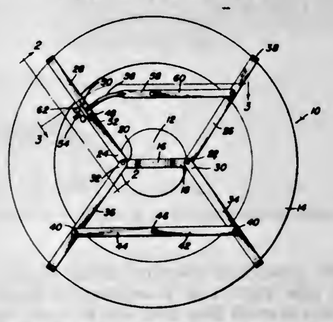
1. A power plant which comprises, in combination, a freely rotatable screw mounted to be driven through its external surface by a stream of fluid in which it is immersed and centrifugal means inside said screw for producing a stream of active fluid.

17. A wind power plant which comprises, in combination, a windmill airscrew, an axle for said airscrew, a support for said axle, a conduit extending downwardly from the level of said axle to a level below the lower portion of the circle described by the ends of the airscrew blades, said airscrew being hollow and opened at the



ends of its blades to form a centrifugal fan and fluidtight means for connecting the top end of said conduit with the central part of the inside of said airscrew, whereby a stream of motive air is sucked in through said conduit, and a turbomachine having the output end of its turbo-portion connected to the bottom end of said conduit.

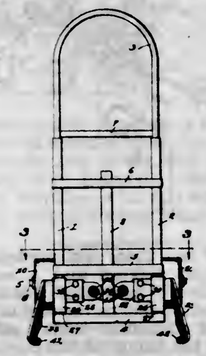
2,485,544
WHEEL TRACTION DEVICE
Willie A. C. Angermann, Hamilton, Tex., assignor of forty-nine per cent to Luther W. Gardner, Jr., and Frances G. Gardner, Hamilton, Tex.
Application November 6, 1947, Serial No. 784,380
1 Claim. (Cl. 152—225)



A wheel traction device comprising a central, arcuate hub receiving member, a first pair of elongated side members pivoted at one of their ends to said hub receiving member, a second pair of elongated side members pivoted at one of their ends to said hub receiving member, a hook provided at the free end of each of said side mem-

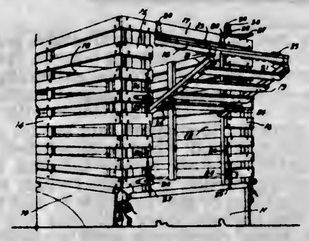
bers, links pivotally connecting said first pair of side members to each other, a further link pivoted at one end to one of said second pair of side members, an externally threaded rod carried by said further link, an angle member carried by the remaining of said second pair of side members and having an aperture for receiving said rod, and a nut receivably engaging said rod and engaging said angle member for selectively positioning said side members relative to a wheel.

2,485,545
HAND TRUCK
Lewis Bishop, Arcadia, Fla.
Application February 18, 1948, Serial No. 9,228
4 Claims. (Cl. 214—65.5)



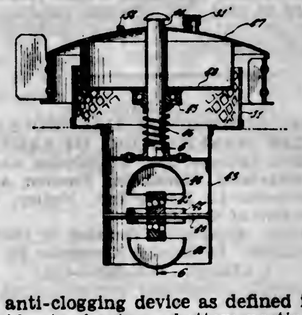
1. A hand truck comprising a body having parallel main frame members, a handle bar at the upper end thereof, a vertically adjustable resiliently mounted axle at the lower end of said frame members, wheels on said axle, load carrier arms rotatably mounted on the lower ends of said frame members, means for adjusting said arms in a lateral direction, means rotatably mounted on said axle for actuating said load carrier arms, said means for actuating said load carrier arms including a sleeve rotatably disposed on said axle, peripherally grooved lock cylinders on said sleeve, and adjustable connections between said lock cylinders and said load carrier arms.

2,485,546
TAIL GATE FOR VEHICLES
Floyd T. Blankenship, Lakewood, Colo.
Application July 17, 1948, Serial No. 39,265
1 Claim. (Cl. 296—51)



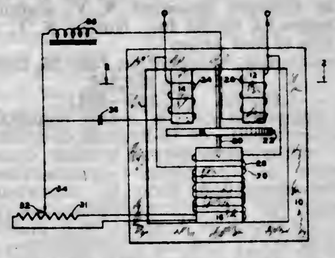
A cattle rack for vehicles comprising: two side frames; a front frame; a cross beam extending between the upper rearward extremities of the side frames; an upper gate section; a first pair of hinges suspending said upper gate section from said cross beam; a lower gate section; a second pair of hinges suspending said lower gate section from said upper gate section, said first pair of hinges allowing said upper gate section to swing outwardly and said second pair of hinges allowing said lower gate section to swing inwardly; upright posts at each side of said gate sections; and a plurality of vertically spaced members secured to said posts at each side of said gate sections upon which the lower edge of said lower gate section may be rested to support it at any desired height.

2,485,547
ANTICLOGGING DEVICE FOR ROOF DRAINS
James B. Blau, Brooklyn, N. Y.
Application June 14, 1947, Serial No. 754,691
5 Claims. (Cl. 210—170)



4. An anti-clogging device as defined in claim 3 and said rotor having a bottom portion closed to provide a float, a spring support on the shaft and resting on the transverse support for supporting the rotor, said spring support including a ball bearing unit having one race connected to the rotor bottom portion, said bottom portion being retained above the upper end of the hollow cylindrical portion.

2,485,548
FREQUENCY RESPONSIVE RELAY
Jerome G. Abbott, Red Bank, N. J.
Application March 28, 1946, Serial No. 657,738
2 Claims. (Cl. 318—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A relay adapted to respond when a source of electrical energy having a frequency above or below a predetermined frequency is impressed on the terminals of said relay comprising a core piece having an upwardly extending pole piece and a pair of downwardly extending pole pieces laterally disposed with respect to said upwardly extending pole piece; a pair of coils positioned about said upwardly extending pole piece; a third coil positioned about one of said downwardly extending pole pieces and a fourth coil positioned about the other of said downwardly extending

pole pieces, the four said coils being wound in the same direction about their respective pole pieces, the upper end of one coil of said pair of coils and the upper end of said third coil being connected to one terminal of said source of frequency to be controlled and the upper end of said other coil of said pair of coils and the upper end of said fourth coil being connected to the other terminal of said source, the lower ends of said pair of coils being connected together through the resistive element of a potentiometer and the lower ends of the said third and fourth coils being connected to the movable contactor of said potentiometer through a capacitor and an inductor respectively; a non-magnetic, rotatable, inductor disc eccentrically mounted between said upwardly and downwardly extending pole pieces and an outwardly extending trigger responsive to movement of said disc whereby rotation of said disc may be translated through said trigger to associated apparatus.

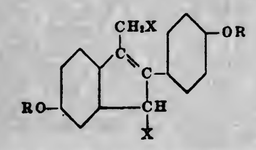
2,485,549

BICYCLIC COMPOUNDS AND PROCESS FOR THE MANUFACTURE OF SAME

Erich Adler, Lidingo, near Stockholm, and Bengt Sven Häggiund, Stockholm, Sweden, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application October 12, 1945, Serial No. 622,080. In Sweden November 20, 1944
5 Claims. (Cl. 260—479)

5. A bicyclic compound corresponding to the formula:



wherein R is a lower saturated acyl radical and X is a lower saturated alkyl.

2,485,550

QUATERNARY SALTS OF CARBAMIC ACID ESTERS OF TERTIARY-HYDROXYBENZYL-AMINES

John A. Aeschlimann, Montclair, N. J., and Arthur Stempel, Brooklyn, N. Y., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 25, 1946, Serial No. 679,265
4 Claims. (Cl. 260—294)

1. A compound of the group consisting of dimethylcarbamate of (2-hydroxy-3-cyclohexylbenzyl)-methyl-piperidinium bromide, dimethylcarbamate of (2-hydroxy-3-cyclohexylbenzyl) trimethyl-ammonium bromide, phenylmethylcarbamate of (2-hydroxy-5-phenylbenzyl) trimethyl - ammonium bromide, and dimethyl - carbamate of (2 - hydroxy - 5 - phenylbenzyl) - methyl-morpholinium bromide.

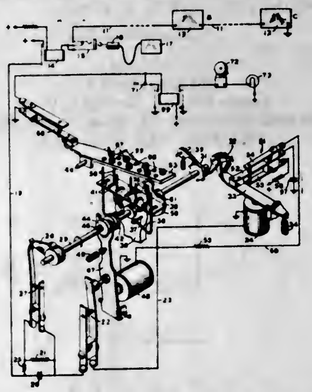
2,485,551

SIGNAL CONTROLLED SELECTOR

Herbert Angel, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application August 29, 1944, Serial No. 551,679
17 Claims. (Cl. 177—353)

1. In a device of the type described, a first magnet a circuit for operating said magnet, a condenser associated with said circuit, said condenser normally preventing operation of said magnet in response to changes in said circuit of less than a predetermined duration, means operated by said magnet in response to a change in said circuit of greater length than said predetermined duration to render said condenser ineffective to further control operation of said magnet whereupon said magnet becomes responsive



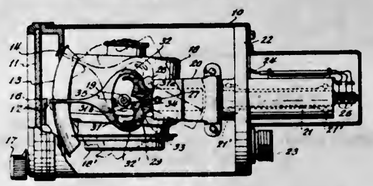
to impulses of less than said predetermined duration, a second magnet and a second circuit therefor, a second condenser associatable with said second circuit, means for varying the charge of said second condenser during all and in accordance with the length of the periods of operation of said first magnet, and means including said second condenser for controlling the operation of said second magnet.

2,485,552

GYROSCOPIC ARTIFICIAL HORIZON

Edward F. Aumuller, Lynbrook, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application April 24, 1947, Serial No. 743,651
8 Claims. (Cl. 33—204)



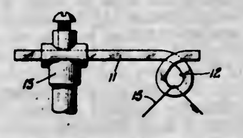
8. As a new article of manufacture, a horizon bar for a gyroscopic artificial horizon formed of a thin integral strip of material extending longitudinally in a generally polygonal fashion and comprising a first side provided with means adapted pivotally to support said bar on one side of a gimbal ring and, when so supported, generally to parallel said one side of the ring, a laterally extending portion of reduced width contiguous the front end of said first side of said bar and forming the horizon index, the rear end of said first side being contiguous with a rear portion extending laterally therefrom and terminating in an end portion extending in spaced, substantially parallel relation to said first side, said end portion being provided with means adapted pivotally to support said bar on a side of said gimbal ring opposite to that first above-mentioned, said pivot support means being transversely opposite each other and so positioned as to provide substantially equal masses of said bar on opposite sides of said pivotal supporting means, whereby to provide a horizon bar substantially balanced about its pivotal support for all positions thereof relative to horizontal.

2,485,553

FILAMENT GUIDE

Malcolm H. Barnes and Edward L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio

Application May 23, 1944, Serial No. 536,964
11 Claims. (Cl. 242—157)



1. A filament guide comprising a unicrystalline body of material selected from the group consisting of corundum and spinel, said body having a glossy scratch-free filament contacting surface substantially identical with the surface produced by intensely heating such a body.

2,485,554

CLEANING COMPOSITION

Rubin Bernstein, Philadelphia, Pa.

No Drawing. Application November 21, 1945, Serial No. 630,107
4 Claims. (Cl. 252—126)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A solvent-emulsion cleaner consisting essentially of a substantially homogeneous mixture of the following proportions by weight: between about 9.5 and 10.5 percent tall oil, between about 13.0 and 14.5 percent pine oil, between about 1.5 and 2.0 percent potassium carbonate, between about 0.5 and 1.1 percent sodium chromate, between 5.0 and 20.0 percent water, and a balance of kerosene to make 100 percent.

2,485,555

BAFFLE TYPE MUFFLER WITH PLURAL EXPANSION CHAMBERS

Leonard R. Bester, New York, N. Y.

Application December 15, 1944, Serial No. 568,370
5 Claims. (Cl. 181—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



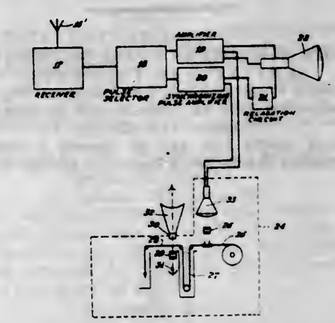
4. In a muffler for the exhaust gases of an internal combustion engine, a substantially closed casing having an inlet end, an outlet end, and containing a single chamber, said casing containing a plurality of oppositely disposed conical baffles coaxially positioned within said chamber, an inlet pipe extending through the inlet end of said casing, at least one truncated conical nozzle having a diameter substantially smaller than said casing positioned within said chamber coaxial with and spaced from said inlet pipe and having its larger end adjacent the end of said inlet pipe and spaced from the inlet end of said casing, said nozzle and the baffle adjacent said nozzle defining an expansion chamber therebetween, whereby the exhaust gases passing through said nozzle cause a low pressure area surrounding said nozzle and cause a recirculation of the gases, said plurality of conical baffles being coaxially disposed within said casing between the conical nozzle and said outlet end of said casing with adjacent baffle elements spaced from each other, each pair thereof defining an expansion chamber therebetween in which the gases are subsequently expanded, subjected to turbulence and scavenged therefrom, an exhaust means in the outlet end of said casing for allowing said gases to leave the casing.

2,485,556

FACSIMILE COMMUNICATION SYSTEM

Joseph Bion, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application May 15, 1943, Serial No. 487,193
In France December 2, 1941
Section 1, Public Law 690, August 8, 1946.
Patent expires December 2, 1961
5 Claims. (Cl. 178—6.8)



2. In a television system in which each picture point is represented by a plurality of pulses a receiver for receiving trains of spaced pulses, including signal receiving and amplifying means, means for selective discrimination of pulses according to the spacing of said pulses, a cathode-ray tube having a fluorescent screen, means for controlling the cathode ray of said tube by said selected pulses, and means for scanning the screen of said tube in two dimensions by the cathode ray thereof, said screen having a luminous persistence sufficient to allow reading of the reproduced image appearing thereupon.

2,485,557

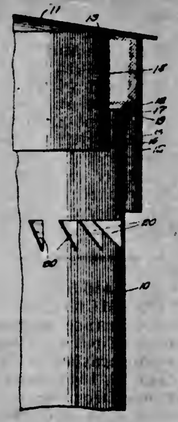
LIFTER ROOF TANK

Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company

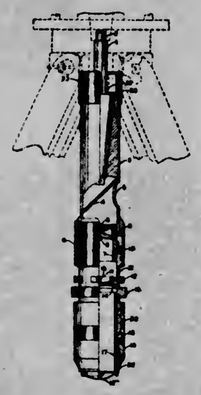
Application April 17, 1946, Serial No. 662,725
4 Claims. (Cl. 48—176)

1. In a lifter roof tank comprising a shell and a movable roof thereover, sealing means comprising a downwardly extending cylindrical member attached to the roof and spaced inwardly from the shell, a weather skirt attached to the roof and extending downwardly therefrom on the outside of the shell, a flexible sealing member extending from the downwardly extending member to the shell, said sealing member being sufficiently wide as to be substantially entirely backed up by the

cylindrical member, the weather skirt and the portion of the roof between the cylindrical member and the weather skirt in all positions of the roof.

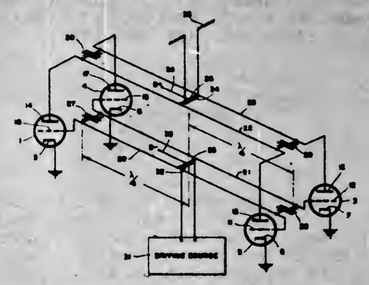


2,485,558
SIGHT ALIGNMENT ATTACHMENT FOR SURVEYING INSTRUMENTS
Mills W. Braunlich, Philadelphia, Pa.
Application July 25, 1946, Serial No. 686,099
1 Claim. (Cl. 88—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



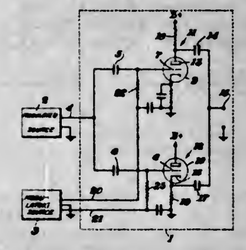
In a surveying-type instrument, a base; a spindle mounted on said base for providing an axis of rotation relative to said base; said spindle having an axially tapered portion; an optical instrument on said spindle including a barrel, cross hairs in the barrel where an image is formed, said barrel having an opening in its wall, and a mirror located in said barrel at the opening so that an observer outside of the barrel can view through the opening the image and cross hairs; said instrument having its ocular line of sight substantially perpendicular to its objective line of sight; said barrel having an internal axially tapered portion adapted to mate with the tapered portion of the spindle so that the axis of rotation of the spindle and the objective line of sight of the instrument are in alignment; and spring means for urging said tapered portions into mating engagement; said spring being yieldable so that said tapered portions can be separated and said barrel rotated relative to said spindle.

2,485,559
ULTRA HIGH FREQUENCY AMPLIFIER SYSTEM
William T. Brown, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 12, 1945, Serial No. 588,010
5 Claims. (Cl. 179—171)



1. An amplifier for ultra-high frequencies comprising two pairs of thermionic devices each including a grid and an anode, two grid conductors forming a resonant two-wire transmission line, each of said grid conductors interconnecting the grids of one pair of said devices for maintaining them in phase opposition, a first bridging member for short-circuiting the center points of said grid transmission line, two anode conductors forming a resonant two-wire transmission line, each of said anode conductors interconnecting the anodes of one pair of said devices, a second bridging member for short-circuiting the center points of said anode transmission line, a driving source coupled to said first bridging member, and a utilization device coupled to said second bridging member.

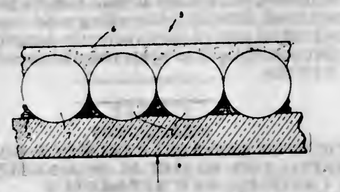
2,485,560
ELECTRONIC REVERSING SWITCH
Gordon S. Burroughs, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1945, Serial No. 592,402
9 Claims. (Cl. 343—121)



1. A balanced modulator for modulating energy from a first source with energy from a second source comprising a cathode follower circuit and an anode loaded circuit, each of said circuits including an electron discharge device having an anode, cathode, and control element, means coupling said first source to the control elements of said devices in parallel, means coupling the output of the anode load circuit and the cathode follower circuits in parallel, and means coupling said second source to said electron discharge devices in push-pull.

5. In a direction finding system, a directional antenna and a sensing antenna, means coupling said antennas to the direction finding receiver, a reversing switch for continuously reversing the phase in which one of said antennas is connected to the direction finding receiver to thereby produce two different radiant action patterns, said switch comprising a cathode follower circuit and an anode loaded circuit, each of said circuits including an electron discharge device having an anode, cathode, and control element, means coupling one side of one of said antennas to the control element of each of said devices, and means coupling the anode of the anode loaded circuit and the cathode of the cathode follower circuit to the same terminal of the direction finding receiver, an electronic switch arranged in the output of said direction finding receiver and adapted to separate the energy derived according to each of said directional patterns and a control device for synchronously controlling said electronic switch and said reversing switch, said control device rendering the electronic discharge devices of the reversing switch alternately conductive.

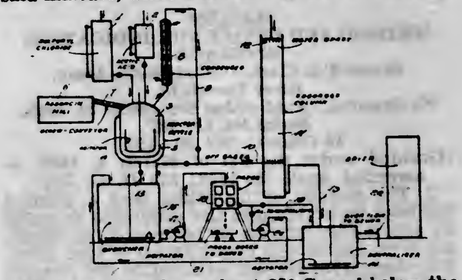
2,485,561
CATHODE-RAY TUBE
Gordon Burroughs, Forest Hills, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 29, 1946, Serial No. 657,978
2 Claims. (Cl. 250—164)



1. A cathode ray tube comprising an envelope having a viewing screen disposed at one end thereof, said viewing screen comprising a fluorescent surface, a plurality of light refracting spheres disposed adjacent each other within said envelope and substantially adjacent said surface, each of said spheres having a diameter comparable to that of the luminescent spot produced on the screen by the electron beam, and an opaque material filling in at least part of the spaces defined by adjacent spheres leaving uncovered given sphere portions substantially directly in the line of observation.

2,485,562
PRODUCTION OF 2,4,6-TRICHLORO-RESORCIN
John E. Cavelti, Meadville, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application February 26, 1946, Serial No. 650,312
22 Claims. (Cl. 260—623)

2. In a method of producing 2,4,6-trichlororesorcin by feeding resorcin into a mixture of sulfuryl chloride and a catalyst selected from the group consisting of a saturated carboxy acid of the fatty acid series, a saturated dicarboxy acid and a saturated tricarboxylic acid, the saturated monocarboxy acid of the fatty acid series having the general formula, $C_nH_{2n+1}COOH$ where "n" is an integer selected from the group consisting of 0, 1, 2, and 3, the steps of inhibiting a sudden violent reaction by reacting each increment of resorcin substantially completely as it is fed into said mixture, while maintaining the temperature



of the reaction above about 25° C. and below the reflux temperature of sulfuryl chloride, and continuing the reaction while maintaining the reaction-mass in a fluid state and at a temperature below the melting point of anhydrous 2,4,6-trichlororesorcin.

2,485,563
ZINC ELECTROPLATING COMPOSITIONS AND METHOD FOR THE ELECTRODEPOSITION OF ZINC
Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 24, 1944, Serial No. 532,534
13 Claims. (Cl. 204—55)

1. The method of depositing zinc which comprises electrodepositing zinc from an aqueous alkaline cyanide-zinc plating bath containing a sufficient amount of dissolved zinc-aldonate to enhance the speed of deposit.

2,485,564
REACTION PRODUCT OF NAPHTHYLAMINE AND ALDONIC ACIDS
Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 24, 1944, Serial No. 546,438
8 Claims. (Cl. 260—501)

3. A method of preparing new and useful chemical substances which comprises reacting together an aldonic acid and a naphthylamine containing at least one amino group selected from the class consisting of primary and secondary amino groups under the influence of heat, the quantity of the aldonic acid corresponding to at least one mol for each of said primary and secondary amino groups in said naphthylamine.

2,485,565
CADMIUM PLATING
Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 24, 1944, Serial No. 546,439
20 Claims. (Cl. 204—50)

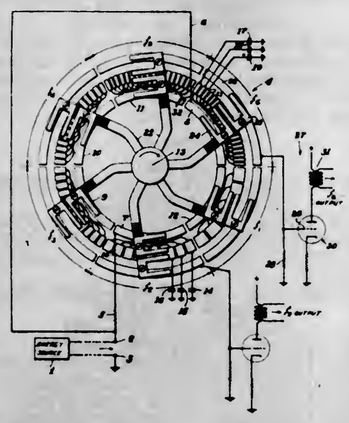
1. An aqueous cyanide-cadmium plating bath comprising a cyanide-cadmium electrolyte and an amine salt of an aldonic acid.

16. In the electrodeposition of cadmium, the step which comprises electrodepositing cadmium from an aqueous cyanide-cadmium plating bath having dissolved therein an amine salt of an aldonic acid.

2,485,566
METHOD AND DEVICE FOR INDICATING SPOILAGE
James d'A. Clark, United States Army, River Forest, Ill.
No Drawing. Application September 24, 1945, Serial No. 618,391
10 Claims. (Cl. 99—192)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

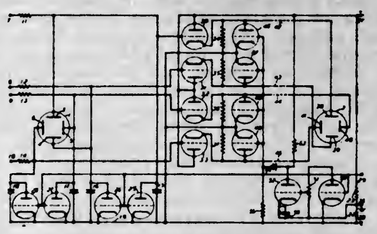
1. The method of indicating that a product has been under temperature conditions favoring an appreciable increase of bacteria in or resulting in an appreciable deterioration of such product, comprising placing adjacent to the product a sealed transparent cover containing cold-resistant substantially non-pathogenic bacteria and a simple visual indicator responsive to pH change, which indicator assumes a marked change in appearance to the unaided eye after the ensemble has been subjected to such temperature conditions.

2,485,567
MULTIPLE FREQUENCY FILTER
Gilbert R. Clark, Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 20, 1946, Serial No. 649,064
11 Claims. (Cl. 178—44)



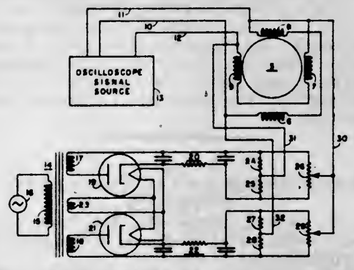
1. A rotary wave filter for the selection of a plurality of different frequencies from a source of oscillatory energy including at least said plurality of frequencies, comprising for each frequency of said plurality that is to be selected energy storage means having separate submultiple portions, means for applying energy cyclically from a given source to each of said storage portions in synchronism with the recurring portions of the waves of the respective frequencies to be selected, and means for successively obtaining signals from each of said storage portions for each of said selected frequencies, said signals being proportional to the energy stored in said energy storage portions and in synchronism with the respective selected frequencies.

2,485,568
ARRANGEMENT FOR REPEATING OSCILLOGRAPH INDICATIONS AT A DISTANCE
Richard Francis Cleaver, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 4, 1946, Serial No. 667,260
In Great Britain April 14, 1945
Section 1, Public Law 690, August 8, 1946. Patent expires April 14, 1965
13 Claims. (Cl. 315—9)



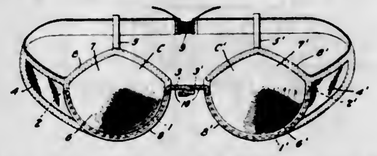
1. An arrangement for repeating the indication of a cathode ray oscillograph at a local station on a cathode ray oscillograph at a remote station comprising reactive elements connecting a deflecting plate of said local oscillograph to the control grid of a cathode follower thermionic valve stage, switching valves shunting said reactive elements, and means connecting a deflecting plate of the remote oscillograph to the corresponding deflecting plate of the local oscillograph, said connecting means comprising a long lead directly connecting the cathode of one of the valves in said valve stage to said remote plate, and a short lead directly connecting said local plate to the control grid of said valve, the length of said lead being sufficient to span the distance between said stations.

2,485,569
METHOD OF AND APPARATUS FOR COMPENSATING FOR RESIDUAL MAGNETIZATION IN CATHODE-RAY APPARATUS
Francis T. Coughlin, Washington, D. C.
Application March 15, 1945, Serial No. 582,962
1 Claim. (Cl. 315—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



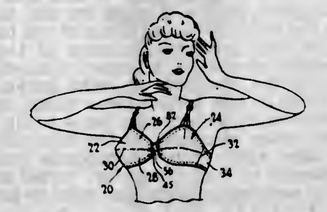
In combination, a magnetic deflection yoke comprising orthogonal pairs of iron cored deflection coils, a signal source for separately activating each pair for effecting deflecting operation by core magnetization adjustable direct current supply means connected only across each pair and operative to supply constant currents of independently adjustable magnitude and direction to each pair to cancel residual magnetism resulting from signal source operation independently of coil potential.

2,485,570
BREAST SUPPORTING GARMENT
Syd Cousins, Mount Rainier, Md.
Application January 6, 1947, Serial No. 720,335
4 Claims. (Cl. 2—42)



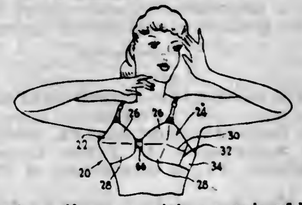
2. In a breast supporting garment comprising a pair of flexible breast cups, and means extending across the back of a wearer to connect the outer sides of said cups to one another: a pair of wire reinforcing frames, means to incorporate each of said frames in a different one of said breast cups with parts of said frames at the peripheries of the breast cups, each of said frames including a portion adjacent the inner side edge of its associated breast cup, a stiff member rigidly attached at one end to the mentioned portion of one of said frames and having a stiff bight rigidly mounted adjacent its other end, the opening through said bight extending in a substantially vertical direction, a second stiff member rigidly attached at one end to the mentioned portion of the other of said frames and having adjacent its other end a substantially vertically extending portion adapted to be thrust vertically through the bight to detachably couple the two frame portions over the sternum of a wearer, and means to rigidly detachably lock the bight and vertical portion together against relative vertical movement when on a wearer.

2,485,571
BRASSIÈRE
Sydne Cousins, Long Beach, N. Y.
Application August 29, 1947, Serial No. 771,282
5 Claims. (Cl. 2—42)



1. In a brassière comprising a pair of bust cups, means extending across the back of a wearer to connect the outer side edges of said bust cups to one another: a pair of separate wire reinforcing frames, and means to incorporate each of said frames in a different one of said bust cups with each frame extending around at least a portion of the periphery of the bust cup and having a part disposed adjacent the inner side edge of the bust cup, one of said frames having rigidly fixed thereto a vertical pin and the other of said frames having rigidly fixed thereto a vertical socket which is adapted to receive the pin whereby the two ends of the brassière may be detachably secured to one another over the sternum of the wearer.

2,485,572
BRASSIÈRE
Sydne Cousins, Yonkers, and Reuben H. Taylor, Mount Vernon, N. Y.
Application May 26, 1948, Serial No. 29,244
6 Claims. (Cl. 2—42)



1. In a brassière comprising a pair of bust cups and means extending across the back of a wearer to connect the outer side edges of the bust cups to one another, a pair of separate wire reinforcing frames, means to incorporate each of said frames in a different one of said bust cups, each said frame extending around at least a portion of the periphery of the bust cup, one of said frames rigidly carrying a vertical socket and the other of said frames rigidly carrying a vertical pin, said pin and socket being constructed to permit relative oscillation thereof about the longitudinal axis of the pin when the pin is in the socket, said pin including a portion movable therewith and extending transversely of the axis of rotation thereof, and said socket including a member so positioned that it overlies the pin-carried-portion when the pin is in the socket and the pin and socket are tensed in a direction transverse to the axis of rotation of the pin whereby to prevent retraction of the pin from the socket in such position of the brassière, the position of said member associated with the socket being such that such member can be cleared by the pin-carried-portion upon oscillation of the pin.

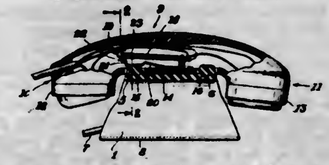
2,485,573
THIOCYANATED PHOSPHITE ESTERS
W E Craig, Philadelphia, and William F. Hester, Drexel Hill, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 5, 1945, Serial No. 620,636
2 Claims. (Cl. 260—454)

1. Compounds of the formula

$$[NCS(CH_2CH_2O)_n]_2POCH(OH)R'$$

wherein n is an integer from one to two and R' is a haloalkyl group of one to seven carbon atoms.

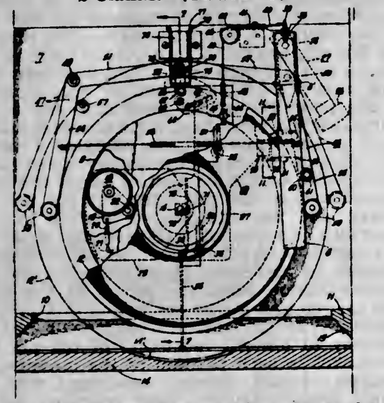
2,485,574
TELEPHONE HANDSET
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1945, Serial No. 586,861
3 Claims. (Cl. 179—103)



1. A telephone handset comprising, a hollow member having a hand grip portion intermediate

its ends and carrying transmitter and receiver units at opposite ends, a support for said handset, said support having a pair of projections, a contact spring assembly within said hand grip portion, said hand grip portion having a pair of openings in the wall thereof adapted to register with said pair of projections on said support for controlling the position of said contact springs.

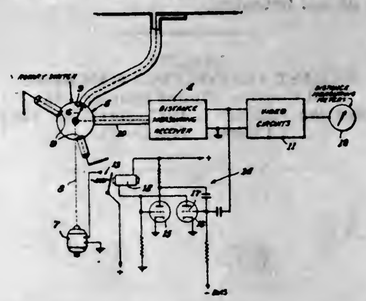
2,485,575
DOOR OPERATED PHONOGRAPHIC APPARATUS
Elmer O. Deaver, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1945, Serial No. 589,017
2 Claims. (Cl. 274—9)



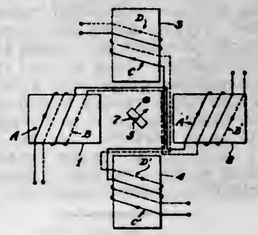
1. In a phonograph apparatus, an enclosure having a restricted slot-like opening for the insertion and removal of records, a door or lid on said enclosure adapted to conceal said opening when in closed position, a record-supporting turntable arranged within said enclosure to receive an inserted record, a tone arm mounted for lateral and vertical movement in cooperation with said turntable, a stop member for indexing said tone arm in a record-commencing position, means controlled by an inserted record for positioning said stop member according to the size of the record, means including a flexible connection for moving said tone arm in response to movement of said door, and a spring included in said flexible connection and adapted to be placed under tension when said door is opened, thereby to raise said tone arm and urge it against said stop member.

2,485,576
SECTOR ANTENNA SWITCHING
Sven H. M. Dodington, Nutley, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application April 19, 1947, Serial No. 742,765
3 Claims. (Cl. 343—100)

1. A receiver system for predetermined signals comprising a plurality of receiving antennas each differently directively responsive to said signals, a receiver, switching means for selectively coupling said receiver to one of said antennas, drive means for said switching means, control means for said drive means including a drive control relay and a multivibrator having an input circuit coupled to the output of said receiver and an input circuit coupled to said relay, said multivibrator responsive to the energy level of said received signals dropping below a predetermined level to operate said relay for energizing said drive means, whereby the antennas will be successively coupled to said receiver until a signal above said predetermined level is received.



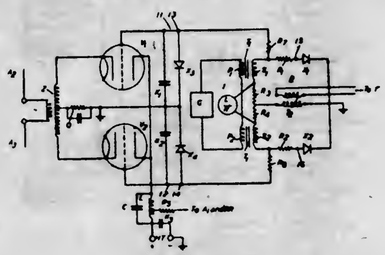
2,485,577
RATIOMETER
Lester Dubin, Brooklyn, and Ernest Pataki, New York, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1945, Serial No. 588,842
6 Claims. (Cl. 171—95)



1. A device for indicating the ratio of two electrical quantities comprising a first series of coil forming turns, the series consisting of two separate current conductors and on a common magnetic axis each of said turns of said first series being supplied with a current in the opposite sense to the other, a second series of coil forming turns, the second series consisting of two separate conductors and on a second magnetic axis intersecting the first axis at right angles, each of said turns of said second series being supplied with a current in the opposite sense to the other magnetic means suspended at the intersection of the two axes, and means for supplying unidirectional current to each conductor, varied in amplitude in accordance with the ratio to be indicated.

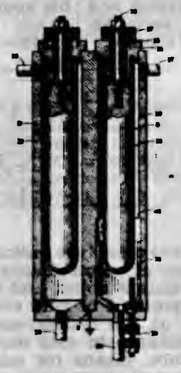
2,485,578
AUTOMATIC RADIO DIRECTION FINDING SYSTEM
Charles William Earp and Jeffrey Dennis Weston, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 22, 1945, Serial No. 584,150
In Great Britain February 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 3, 1964
17 Claims. (Cl. 343—121)

1. An electric wave modulating arrangement comprising a thermionic valve having a cathode, a control grid and an anode, means for applying a high frequency alternating voltage wave between the said cathode and earth, means for maintaining the said control grid substantially at earth potential for the high frequency waves, means for applying a low frequency modulating signal voltage between the said control grid and earth, and means for deriving modulated high frequency waves from the said anode.



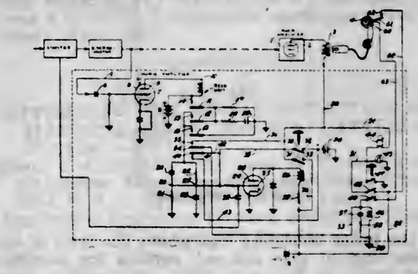
10. An electrical navigational direction indicating arrangement for a moving vehicle comprising a system of aerials adapted to derive from electrical waves collected thereby a differential voltage and a reference voltage, an electronic switch means for intermittently operating said switch comprising a source of switching signals, a radio receiver, and a discriminator, means for applying alternately the sum and the difference of the said reference and differential voltages to the receiver comprising said switch, means for comparing the demodulated waves from the output of the receiver with the signals from the said switching source comprising said discriminator.

2,485,579
FLUID INSPECTION APPARATUS
Myron A. Elliott, Washington, D. C.
Application March 1, 1946, Serial No. 651,411
1 Claim. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A dual condenser for detecting the presence of electrically polar substances in electrically nonconductive liquids comprising a heat conductive and electrically conductive block having two adjacent parallel cylindrical cavities therein joined continuously along their length by the heat conductive block material, the cavities having surfaces acting as condenser electrodes, a cylindrical electrode positioned coaxially in each cavity, solid dielectric means sheathing each cylindrical electrode, and conduit means formed in the block communicating with each cavity for passing liquid therethrough.

2,485,580
SIGNALING SYSTEM
Robert C. Ferrar, New Providence, and Gerald Menhennett, Red Bank, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 18, 1946, Serial No. 697,670
9 Claims. (Cl. 179—87)

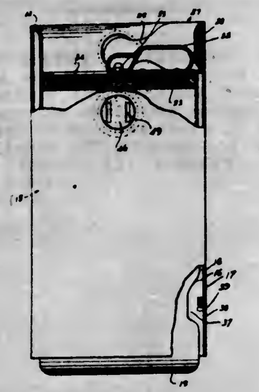


9. In a receiving station adapted to be called from another station, an electromagnet adapted to be energized by signal frequencies with which a given carrier is modulated, a plurality of vibratory elements each resonant at its respective signal frequency, a first relay, an oscillatory circuit normally operative to maintain said first relay in open position, means responsive to resonant operation of at least one of said vibratory elements to stop oscillations in said circuit, thereby enabling said first relay to close, a second relay normally maintained in open position, means responsive to resonant operation of another of said vibratory elements only after prior closure of said first relay to actuate said second relay to closed position, a signalling device operable upon closure of said second relay, means responsive to an interruption of said given carrier to renew oscillations in said circuit, thereby actuating said first relay to open position, and means to maintain said second relay in closed position until an attempt has been made to receive a call.

2,485,581
DOUBLE WALLED PRESSURE COOKER
William C. Fox, Philadelphia, Pa.
Application October 22, 1946, Serial No. 704,848
3 Claims. (Cl. 126—376)

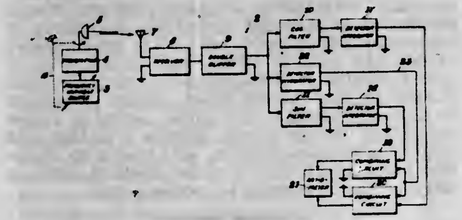
3. A cooking vessel having an inner bounding wall defining an upper opening at the upper end of the vessel, an external bounding wall secured to and surrounding the inner bounding wall in spaced relation thereto, with the resulting space between the two bounding walls open at both top and bottom to allow heated air to be directed from the open bottom of said space upwardly along the inner bounding wall to heat said vessel, a cover seat formed upon the inner bounding wall, a cover removably disposed on the cover seat for closing the upper opening of the vessel, the bounding walls having an upwardly open cut-out portion disposed at one side of said bounding walls extending a limited distance down from the upper end of the remaining portions of said bounding walls and of sufficient width to allow withdrawal of said cover through said open cut-out portion, and the latter portion also serving as a pouring side through which the contents of

the vessel may be poured while the greater height of the remaining sides of said bounding walls provide protection to the operator using the vessel, and means carried by the two opposite portions



of the inner bounding wall above the level of the lower end of said cut-out portion for securing said cover in pressure-tight relationship upon said cover seat.

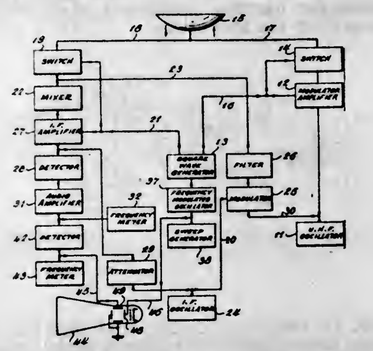
2,485,582
RECEIVER SYSTEM
Alexander Frum, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 11, 1945, Serial No. 598,707
7 Claims. (Cl. 343—113)



1. An indicator for producing an angular displacement corresponding to the frequency of energy within a given frequency range, comprising means having a constant attenuation with frequency characteristic for said frequency varying in accordance with a predetermined law over said frequency range, a second means having a constant attenuation characteristic in accordance with a different predetermined law over said range, means for applying said energy to said first and second means, and indicator means responsive to the output of said first and second means for comparing the output from said combining circuits.

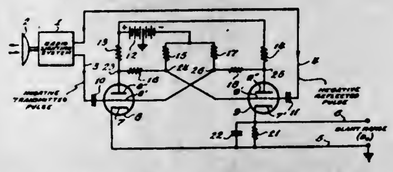
2. A receiver adapted to provide an indication of direction with respect to a radio beam having energy varying in frequency in accordance with the azimuth direction of the beam, comprising selective means having a constant attenuation characteristic with frequency in accordance with a cosine function, selective means having a constant attenuation in accordance with a sine function, means for applying the received energy to both said selective means, and means for comparing the outputs of the two selective means.

2,485,583
RADIO DISTANCE MEASURING SYSTEM
Edward L. Ginzton, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 29, 1943, Serial No. 508,196
8 Claims. (Cl. 343—13)



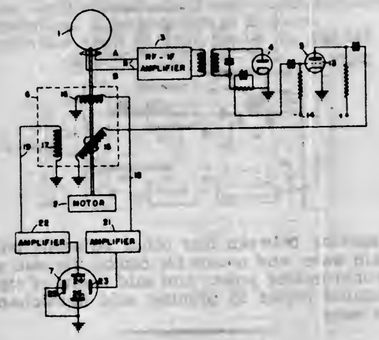
8. In a radio system for determining the distance to an object having motion relative to said system, the combination comprising means for generating radio frequency energy, means for alternately and periodically radiating for a time period and receiving for an equal time period, means for varying the duration of said time period, means for mixing the frequencies of said generated and received energies to obtain a difference frequency wave depending upon said relative motion and a frequency meter responsive to an amplitude modulation due to said variation of said time period to indicate said distance measurement.

2,485,584
DISTANCE MEASURING APPARATUS
Edward L. Ginzton, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application March 15, 1943, Serial No. 479,294. Divided and this application November 11, 1943, Serial No. 509,867
3 Claims. (Cl. 343—13)



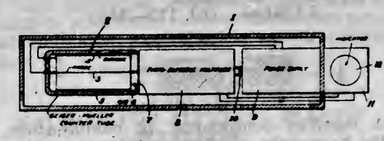
3. In a reflected pulse type radio system, wherein periodic pulses of electromagnetic energy are directed at a distant object and the corresponding reflected portions of said energy pulses are received back at the system, means for determining the distance to said object, comprising an electron tube, means for supplying a fixed bias for the control electrode of said tube, means comprising a connection independent of said fixed bias means for initiating current flow through said tube upon the receipt of a negative transmitted pulse, means for terminating said current flow upon the receipt of a negative received pulse, a resistor-capacitor parallel circuit arrangement in series with said tube, and means for extracting the voltage built up across said circuit arrangement.

2,485,585
DIRECTION FINDER
Maxwell K. Goldstein, Washington, D. C.
Application June 13, 1945, Serial No. 599,286
2 Claims. (Cl. 343—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio direction finder, a receiver, a directional antenna system for receiving radio signals whose direction is to be determined, said antenna system feeding said receiver, means for cyclically varying the effective directional characteristics of the antenna system whereby the output of said receiver is cyclically varied in amplitude, means including an overbiased amplifier fed by said receiver operative to deliver a momentary output impulse in response to each signal minima in the cyclically varied received signal, a variable coupler including an input element fed by the pulse output from said amplifier and a pair of output elements, means cyclically varying the degree of coupling between said input element and said output elements in synchronism with the cyclical variation in the directional characteristics of said antenna system, and an indicating means operative responsive to the output signals from said output elements to indicate the direction of the incoming signals.

2,485,586
GEIGER COUNTER
Ladislas Goldstein, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 1, 1947, Serial No. 725,827
6 Claims. (Cl. 250—83.6)

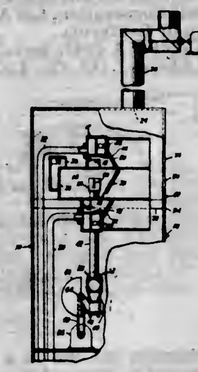


1. A Geiger counter arrangement comprising a Geiger-Mueller counter tube adapted to emit light radiation upon excitation, a source of potential, means for applying said potential to said tube, a photoelectric device arranged to be excited by light radiation from said tube, and means associated with said device and responsive to the current flow therein for indicating the light radiation from said tube.

2,485,587
SHEET LUMBER
Werth C. Geer, Seattle, Wash., assignor, by direct and mesne assignments, to United States Sheetwood Company, Seattle, Wash., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,107
3 Claims. (Cl. 106—163)

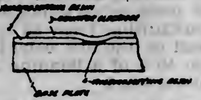
1. As an article of manufacture, a hard, rigid board of the character of lumber, comprising a heat and pressure consolidated mixture of wood fibers constituting from 60 to 98% of the mixture, based on the dry weights of materials, and from 2 to 40% of a bonding agent consisting of brown rotted wood.

2,485,588
APPARATUS FOR VISUAL DETECTION OF ILLUMINATED SUSPENDED MATTER IN FLUIDS
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 23, 1944, Serial No. 569,534
3 Claims. (Cl. 88—14)



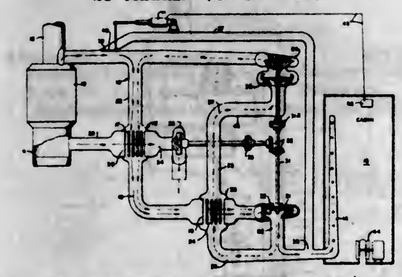
1. In apparatus for detecting suspended matter in fluids, the combination of a cabinet having a plurality of elongated transverse apertures in one wall thereof; an observation unit including a main observation chamber within and extending transversely of the cabinet; an elongated window for said chamber secured in said unit in alignment with, but remote from, one of said apertures; said observation unit also including a plurality of spotter chambers in transverse alignment in said unit; an elongated window for said spotter chambers secured in said unit in alignment with, but remote from, another of said apertures; means for drawing fluid from separate sources through each of said spotter chambers into said main observation chamber; a source of light for said main chamber; means for directing a beam of light from said light source longitudinally through said main chamber; means for intermittently interrupting said light beam, whereby intermittently to illuminate suspended matter in the fluid in said main chamber to render the same visible through said first-mentioned aperture and window and to attract attention thereto; and means for illuminating said spotter chambers, whereby to render suspended matter therein visible through said second-mentioned window and aperture to determine the source of the suspended matter in the main chamber.

2,485,589
SELENIUM RECTIFIER AND PHOTOCELL
Frank Gray, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 9, 1946, Serial No. 668,361
In Great Britain November 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 2, 1964
4 Claims. (Cl. 175—366)



1. In a selenium cell of the type wherein a layer of selenium is provided upon a metallic base element, the improvement that comprises including in the selenium layer a powdered thermosetting synthetic resin distributed throughout the selenium layer.

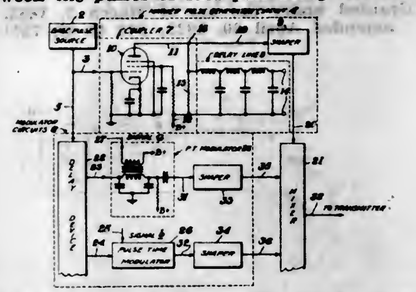
2,485,590
COOLING SYSTEM FOR COMPARTMENTS USING EXPANSION ENGINE MEANS
Frederick H. Green, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application October 4, 1946, Serial No. 701,244
23 Claims. (Cl. 62—136)



1. In a mechanism for use in a system, employing heat exchange means for cooling the atmosphere of a compartment from a source of gaseous fluid under pressure, the combination of: means forming a path of flow of gaseous fluid from said source to said compartment, said means including the cooling passes of said heat exchange means and a gaseous fluid driven work extraction engine; means for directing a coolant through the coolant passes of said heat exchange means; and recirculating means for returning to said path of flow ahead of said engine a portion of the cooled gaseous fluid which has passed through said engine, said recirculating means including pumping means driven by said engine for compressing the recirculating gaseous fluid so that it will pass back into said path of flow.

2,485,591
PULSE TIME DIVISION MULTIPLEX SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1945, Serial No. 625,650
4 Claims. (Cl. 179—15)

1. In a multichannel pulse wave communication system, a pulse source, a delay device for delaying the pulses from said pulse source, a plurality of sources of signal energy, a plurality of pulse modulators for time modulating pulses from said delay device according to said signal energy to produce a plurality of time modulated pulse trains, means to produce a pair of synchronizing pulses of the same polarity spaced at intervals along said pulse wave, the spacing between the pulses of said pair being less than

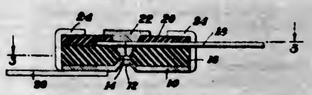


the spacing between any other adjacent pulses on said wave, and means for combining said pair of synchronizing pulses and said trains of signal modulated pulses to produce said multichannel pulse wave.

2,485,592
MOLDING COMPOSITIONS
Gerald A. Griess and Earl D. Morris, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 9, 1946, Serial No. 653,443
18 Claims. (Cl. 260—23)

7. A molding composition comprising, as its principal component, a solid thermoplastic vinyl aromatic resin which is a polymer of a compound of the class consisting of monovinyl aromatic hydrocarbons of the benzene series and nuclear chlorinated monovinyl aromatic hydrocarbons of the benzene series, uniformly incorporated together with said resin, a substantially nonvolatile non-drying oil, which is an ester containing no conjugated olefinic linkages in the molecule, which oil is present in amount corresponding to between 0.05 and 4 per cent of the weight of the vinyl aromatic resin.

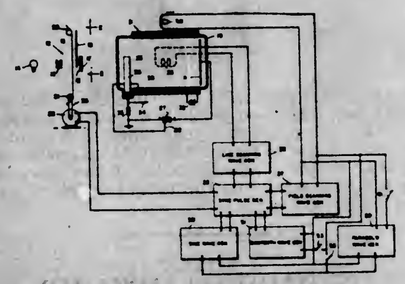
2,485,593
RECTIFIER AND METHOD OF MAKING THE SAME
Leslie B. Haigh, West Orange, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Original application August 14, 1943, Serial No. 498,654. Divided and this application January 3, 1947, Serial No. 720,035
6 Claims. (Cl. 175—366)



1. A rectifier comprising, in combination, a metallic base plate, a selenium layer on said base plate, an insulating layer supported on said base plate and having an opening therethrough exposing a relatively small area of selenium, a lead wire supported on said insulation, a portion of said wire passing over said opening, a second layer of insulation above said lead wire and having an opening therethrough substantially coaxial with the opening in the first insulating layer, a counter-electrode alloy extending through said two openings, about said lead wire and to said

selenium layer, and integral extensions on said base plate bent upwardly and over the second insulating layer to hold all the parts together as an integral unit.

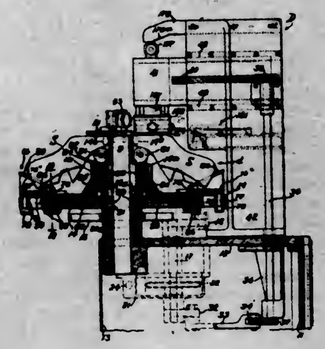
2,485,594
WAVEFORM COMPENSATING CIRCUIT FOR TELEVISION FILM TRANSMITTERS
Clyde E. Hallmark, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 15, 1946, Serial No. 662,140
7 Claims. (Cl. 178—7.7)



7. Television apparatus for transmitting pictures of a motion picture film comprising a picture signal generating tube including a photosensitive member, means for moving a film across said member at a constant speed, means for projecting successive images of said film on said member and for keeping each of said images substantially stationary on said member for a predetermined interval of time, said projecting means imparting undesired motions to said images during said intervals, means for cyclically deflecting an electron beam in a first direction substantially at right angles to the direction of movement of said film including a first deflecting element and in a second direction substantially parallel to the direction of movement of said film including a second deflecting element, said deflecting means cooperating with said member to produce a train of picture signals, a line scanning wave generator for supplying said first element, a field scanning wave generator for supplying said second element, and adjustable wave generating means coupled to said second element for developing cyclically recurring signals of predetermined phase, frequency, amplitude and wave shape, thereby to compensate said undesired motions of said images, said adjustable wave generating means comprising an individual sine wave generator, an individual saw-tooth wave generator, an individual parabolic wave generator and switches associated respectively with said individual generators and separately operable to selectively connect the output circuits of said individual generators in various combinations.

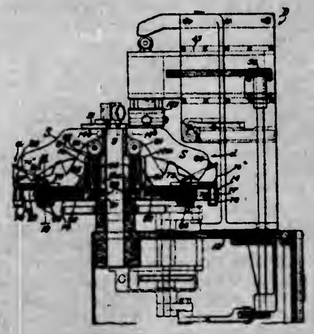
2,485,595
MACHINE FOR APPLYING PLASTIC MATERIAL
Carl F. Hammann, Boston, Mass., assignor to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application October 20, 1943, Serial No. 506,931, now Patent No. 2,452,565, dated November 2, 1948. Divided and this application July 19, 1947, Serial No. 762,136
10 Claims. (Cl. 12—79.6)

1. In a machine of the type described a spreading and ironing mechanism comprising means for supporting an article; a spreading and ironing pad; a pad holder; a mount in fixed relation to a predeterminable position of said supporting means; means for slidable supporting said pad



holder on said mount; and means for shifting said pad holder with said pad on said mount from a position of rest into a predeterminable position for spreading and ironing said material on said article and back into said position of rest.

2,485,596
SHOE JACK
Carl F. Hammann, Boston, Mass., assignor to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application October 20, 1943, Serial No. 506,931, now Patent No. 2,452,565, dated November 2, 1948. Divided and this application July 19, 1947, Serial No. 762,137
5 Claims. (Cl. 12—123)



1. In a machine of the type described a shoe jack adapted to support a shoe bottom-side uppermost, comprising a base, a vertically movable spring-supported toe rest mounted on said base, a toe latch member adapted rigidly to support said toe rest, a heel rest supported on said base for spring urged movement towards and in alignment with said toe rest, a heel latch member adapted for opposing movement of said heel rest away from said toe rest, and means for locking said latch members.

2,485,597
ETHYL CELLULOSE GELS
Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application September 7, 1944, Serial No. 553,107
6 Claims. (Cl. 106—174)

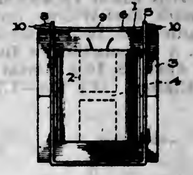
1. An ethyl cellulose gel comprising ethyl cellulose and a blown product of a normally liquid unsaturated organic material capable at elevated temperatures of forming a solution with ethyl cellulose which solution on cooling is a gel at 70° F., said product being capable at elevated temperatures of forming a solution with ethyl cellulose which solution is a gel at 70° F. the viscosity of said product at 25° C. being at least 100% greater than the viscosity of said normally liquid material at 25° C., said normally liquid product being an organic condensation reaction product under acidic conditions of formaldehyde and a product selected from the group consisting of terpenes and terpene alcohols, the ratio by weight of said ethyl cellulose to said blown product being between 1 to 2 and 1 to 25.

2,485,598
MILLABLE COMPOSITIONS
Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Original application September 7, 1944, Serial No. 553,107. Divided and this application May 19, 1945, Serial No. 594,801
4 Claims. (Cl. 260—17)

1. A millable composition comprising (*a*) a rubbery substance selected from the group consisting of solid, rubbery poly-chlorbutadiene, solid rubbery poly-butadiene, solid rubbery copolymers of butadiene and styrene, solid rubbery copolymers of butadiene and acrylonitrile, natural rubber and reclaimed rubber and (*b*) a gel comprising ethyl cellulose and a blown product of a normally liquid unsaturated organic substance capable at elevated temperatures of forming a solution with said ethyl cellulose, which solution upon cooling is a gel at 70° F. and which blown product is capable at elevated temperatures of forming a solution with ethyl cellulose which solution upon cooling is a gel at 70° F., the viscosity of said product at 25° C. being at least 100% greater than the viscosity of said normally liquid material at 25° C., the ratio of the quantity of said rubbery substance by weight to the quantity by weight of said ethyl cellulose in said gel being between 50 to 1 and 2 to 1, said normally liquid unsaturated organic material being selected from the group consisting of alkyl esters of abietic acid having 1–4 carbon atoms in the alkyl group, terpene formaldehyde condensation reaction products produced in the presence of an acidic catalyst, terpene alcohol-formaldehyde condensation reaction products produced in the presence of an acidic catalyst, tertiary alkyl alcohol-formaldehyde condensation reaction products produced in the presence of an acidic catalyst.

2,485,599
MAGNETIC CORE AND CLAMP
Drew Halvorsen, Westfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 9, 1945, Serial No. 587,236
3 Claims. (Cl. 175—356)

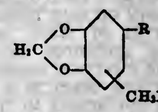
2. A magnetic core device comprising two sets of multi-legged laminations held together by a clamp comprising a U-shaped yoke of flat metal, said yoke having a flat middle portion and two arms at right angles to said middle portion, rectangular slots in said arms of said yoke, a bowed shaped spring, raised portions integrally formed near the ends of said spring, the upper horizontal sides of said slots being above the edges of said



core and that portion of said arms above said slots engaging said raised portions of said spring so as to lock said spring and yoke when said spring is in position and to form a complete magnetic path parallel to the magnetic path of the core, said laminations extending through said slots so as to be held by said arms.

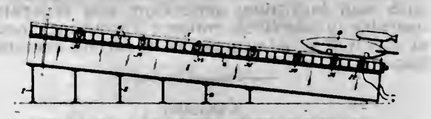
2,485,600
DERIVATIVES OF SAFROL AND ISOSAFROL
Oscar Fred Hedenburg, Pittsburgh, Pa., assignor to Harold W. Moburg, trustee, Toledo, Ohio
No Drawing. Application April 1, 1946, Serial No. 658,871
4 Claims. (Cl. 260—338)

1. The compounds of the generic formula



in which R is a substituent selected from the group consisting of the allyl radical and the propenyl radical and X is a substituent selected from the group consisting of the chlorine atom and the hydroxyl radical.

2,485,601
MULTIPLE CARTRIDGE LAUNCHER
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application September 26, 1947, Serial No. 776,391
3 Claims. (Cl. 244—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A launcher for missiles comprising a ramp, there being a longitudinal slot in said ramp, a barrel member under said ramp and having a slot aligned with the slot in the ramp, sealing means for the slot in the barrel member, temporary suspension means for the sealing means, a piston in said bore surrounding said sealing means and urging the same into sealing engagement with the barrel slot, and means on the piston passing through both said slots for engagement with a missile on said ramp.

2,485,602
SPRING CLOTHES PEG
Karnig Hovannessian, Cairo, Egypt
Application February 28, 1947, Serial No. 731,521
1 Claim. (Cl. 24—137)



In a spring actuated clothes pin, the combination, which comprises, a pair of substantially parallel gripping jaws with outwardly flared finger gripping elements at one end and arcuate clothes line receiving elements at the other, said jaws having opposed arcuate recesses in the inner surfaces thereof spaced from the clothes line receiving end of the pin providing a clothes line receiving socket between the jaws, aligned cylindrical openings extending through the jaws perpendicular to the abutting faces thereof and having grooves with inwardly extending sockets at the ends of and communicating with the said cylindrical openings, and opposed transversely disposed semi-circular recesses also in the inner abutting surfaces of the jaws between the cylindrical openings and finger gripping ends of the jaws; a coil spring with laterally extending hook-shaped ends positioned in said cylindrical openings in the jaws; and a tubular bearing element with washers on the ends positioned in the said semi-circular recesses with inturned edges of the washers positioned in annular recesses in the sides of the jaws said washers being secured on the tubular bearing element by upsetting the ends of the said element, the said annular recesses being concentric with the axis of the tubular bearing.

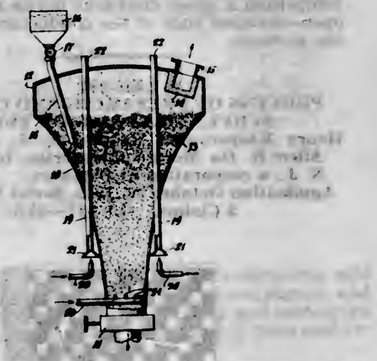
2,485,603
HYDROCARBOSILICON THIOCYANATES AND ARTICLES TREATED THEREWITH
Robert M. Joyce, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 21, 1946, Serial No. 671,388
16 Claims. (Cl. 117—143)

1. An organosilicon thiocyanate having the general formula $R_nSi(SCN)_{4-n}$ wherein R is a monovalent hydrocarbon radical and *n* is an integer having a value from 1 to 3 inclusive.

11. A water-repellent fabric containing a water-repellent coating comprising the product formed by heating on said fabric an organosilicon thiocyanate having the general formula $R_nSi(SCN)_{4-n}$ wherein R is a monovalent hydrocarbon radical and *n* is an integer having a value from 1 to 3 inclusive.

2,485,604
FLUIDIZING PROCESS FOR PRODUCING ZINC
John C. Kalbach, New York, N. Y., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application July 8, 1947, Serial No. 759,545
10 Claims. (Cl. 75—26)

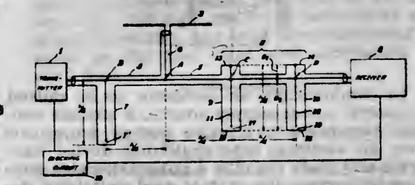
1. In the production of zinc by the fluidizing process involving the reduction of a solid inorganic oxygen-containing compound of zinc by a solid carbonaceous reducing agent, both said solids being in comminuted form, wherein a gaseous stream containing the zinc vapor generated by said reduction is withdrawn from the zone of reduction, the improvement of producing said gaseous stream with a high concentration of zinc vapor, which comprises effecting said reduction while fluidizing the reacting solids disposed as a bed of about 15 to 50 feet in height and of increasing horizontal cross-section in the upward direction, charging a fluidizing medium at the bottom of said bed to support fluidization therein, maintaining the rate of said reduction such that the volume of the gaseous stream flowing up through said bed doubles with an increment of bed height in the range of about 1 to 20 feet, and withdrawing from said bed said gaseous stream when it has attained a volume at least 8 times the volume of said fluidizing medium charged at the bottom of said bed.



2,485,605
GRAIN FUMIGANT
Jonas Kamlet, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 23, 1946, Serial No. 711,831
3 Claims. (Cl. 99—225)

3. A method for controlling insects and related parasites in stored grain, seeds, and milled food products, comprising spraying a liquid containing crotyl chloride on the surface of the stored material.

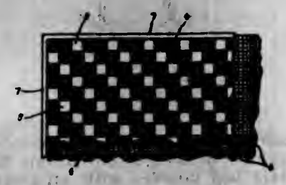
2,485,606
PROTECTIVE COUPLING CIRCUIT
Armig G. Kandoian, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 27, 1944, Serial No. 542,278
7 Claims. (Cl. 250—13)



3. In a system of the type in which a receiver and a transmitter operating over a relatively wide band of frequencies are both coupled to a common antenna, said transmitter and receiver being connected to said antenna by a first transmission line and a second transmission line respectively, the combination of a protective network in said second transmission line to substantially block

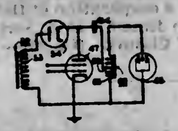
high transmitter voltages from said receiver, comprising a pair of spaced-apart resonant line sections open-circuited at one end and short-circuited at the other, the sharpness of the resonance curve of each section depending on the distance between the open-circuited end of the section and the point of connections between the section and said second transmission line, and means comprising a space discharge device between the open-circuited ends of the conductors of each of the sections.

2,485,607
PROCESS OF PREPARING AND COATING SCREEN MATERIAL ON TUBES
Henry Kasperowicz, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application October 26, 1945, Serial No. 624,847
5 Claims. (Cl. 117—33.5)



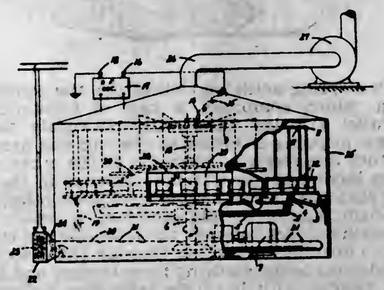
1. The process of applying a succession of screen materials of different sorts along a plurality of parallel lines in a sequence of deposits equal in number to the sorts of materials applied to the face of a cathode-ray tube, which comprises coating said materials in succession through aligned square holes in a sheet of solid material onto a sheet of soluble material along a plurality of parallel lines, each sort of material being applied so as to produce a straight line of said material with the successive deposits adjoining without overlapping the previous deposits, adhering said sheet to the inside face of said tube, dissolving said sheet, and leaving the deposits of said material in straight lines on said face.

2,485,608
PULSE MODULATOR
David Y. Keim, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application May 24, 1943, Serial No. 488,128
9 Claims. (Cl. 250—36)



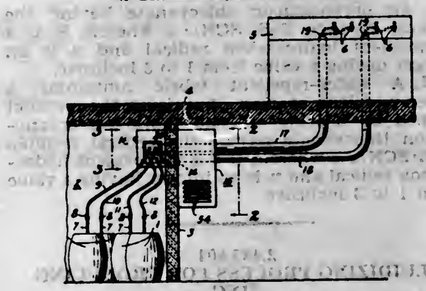
4. In combination, an oscillator to be pulsed, a sinusoidal power-supply source, a storage condenser connected to receive energy from said source, an electron tube switching device having grid and plate circuits, a pulse generator connected to control the grid of said switching device and an inductive device having primary and secondary windings, said oscillator being connected to said secondary winding, the plate circuit of said tube switching device being connected between said condenser and said primary winding for periodically releasing the energy of said storage condenser to said oscillator during each positive second quarter cycle of said source.

2,485,609
DRYING APPARATUS
Frederick W. Koster, Wallingford, and Louis A. Oberly, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 19, 1945, Serial No. 589,200
4 Claims. (Cl. 34—1)



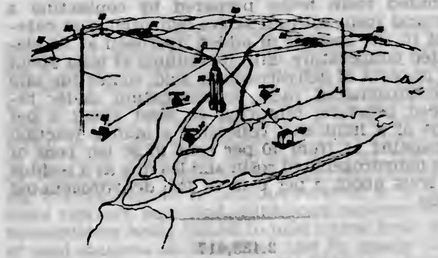
1. Apparatus for drying parcels of filamentary material and the like comprising a foraminous belt electrode for supporting the parcel to be dried, means for moving the electrode through a cyclical path, a housing substantially enclosing the electrode except for openings provided therein adjacent the positions for charging and discharging the parcels to be dried, a plurality of electrodes arranged above the path, means for moving the latter electrodes along a portion of the path with the first electrode at substantially the same speed, means for lowering the upper electrodes as they pass beyond the charging position, means for elevating the upper electrodes in advance of the discharge position, and means for forming a high frequency electrostatic field between the lower and upper electrodes respectively.

2,485,610
BEVERAGE STORING AND DISPENSING SYSTEM
Wallace R. Kromer, Cleveland Heights, Ohio, assignor to Superflow Manufacturing Corporation, Cleveland, Ohio, a corporation of Ohio
Application April 16, 1947, Serial No. 741,827
2 Claims. (Cl. 62—141)



1. In a beverage storing and dispensing system of the type having a dispensing bar and a walled storage room remote from the bar with beverage containers in the storage room and beverage lines extending through an opening in one of the walls of the room and connecting the containers to the bar, the improvement which comprises the combination of a conduit for enclosing the beverage lines and a refrigerating device for cooling the room and the lines, said device including a cabinet structure adapted to be mounted on the outside of the storage room over the opening in the wall thereof to serve as a closure for such opening and the line enclosing conduit extending into the cabinet, means in the cabinet for circulating a liquid coolant through the conduit, passage means in the cabinet for circulating air through the same from the room, and means in the cabinet for refrigerating the circulating liquid coolant and the circulating air.

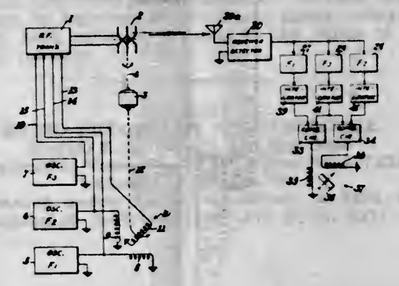
2,485,611
BROADCASTING SYSTEM
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 7, 1944, Serial No. 529,932
3 Claims. (Cl. 250—9)



1. A broadcasting system comprising a transmitting antenna mounted at a vantage point to transmit energy over a designated area, means for producing a plurality of series of signal pulses, each series constituting a separate signal channel, means for interleaving all of said series of pulses, means for modulating the signal pulses of each channel according to the intelligence to be transmitted during their respective channels, means for modulating a carrier wave of a given frequency with the resultant pulse train, means for feeding the modulated carrier wave to the transmitting antenna for radiation of energy therefrom, a plurality of separate points for producing signals to provide the aforesaid intelligence modulation of the signal pulses; and a receiver comprising means for receiving signals of said given carrier frequency over a directive receiving antenna aligned to receive from said transmitting antenna, means for removing the carrier frequency from said received signals to reproduce the signal pulses, adjustable selecting means for separating the signal pulses of a desired channel, demodulating means for translating the modulation of the selected separated signal pulses into another form of modulation, and a utilization device responsive to said other form of modulation.

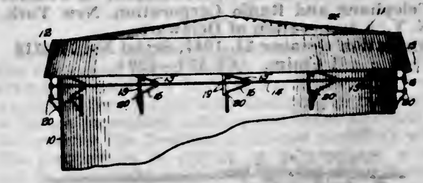
2,485,612
RADIO BEACON SYSTEM
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1945, Serial No. 581,974
14 Claims. (Cl. 343—106)

3. A beacon system for indicating direction of a receiver with respect to a beacon signal, comprising means for transmitting energy in the form of a beam rotatable about a given axis, means for modulating the energy of said beam with two signals varying as sine and cosine functions respectively, in accordance with the rotary position of the beam, and a third signal having a given value, means for receiving energy from said beam, means for detecting said received energy, means for separating the three signals in



said detected energy, means for subtracting said third signal from the first and second signals, and means for comparing the ratios of said subtracted signals to indicate the direction line from said receiver to said transmitter.

2,485,613
GUIDE FOR LIFTER ROOF TANKS
Donald E. Larson, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application February 7, 1946, Serial No. 646,134
13 Claims. (Cl. 48—176)

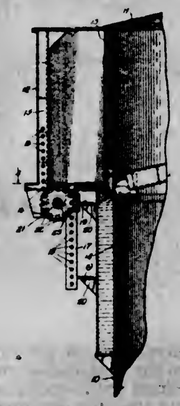


1. In a lifter roof tank including a shell and a roof thereover adapted to rise and fall with increasing and decreasing gas pressure within the shell, a stabilizing means comprising a horizontal floating annular bar member spaced from the shell, and at least two pairs of arms pivotally attached to the bar member with one arm of each pair pivotally attached to the roof and the other arm pivotally attached to the shell, each of said pairs of arms being at all times at an angle of less than 180° with respect to each other with the angle increasing and with the arms being free to pivot as the roof rises and decreasing as the roof falls.

2,485,614
STABILIZING AND GUIDE APPARATUS FOR LIFTER ROOFS
Donald E. Larsen, Eureka, Calif., and Christian Arne, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application August 29, 1946, Serial No. 693,776
6 Claims. (Cl. 48—176)

1. In a lifter roof tank including a shell having a roof thereover adapted to rise and fall with increasing and decreasing gas pressure within the shell, stabilizing and guide means comprising: a

first rack attached to said roof, a second rack attached to said shell parallel to the first rack, a pinion interposed between and engaging said



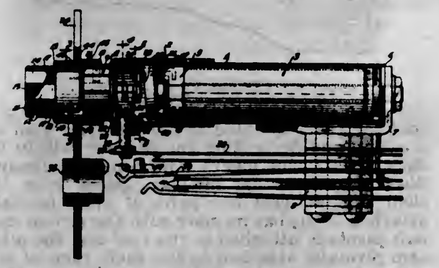
racks, a rotatably mounted shaft connected to said pinion, and means for transmitting the rotation of said shaft to at least one substantially similar shaft.

2,485,615

INDICATOR FOR TELEPHONE SWITCHBOARDS

Carl Lomholt, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application October 11, 1947, Serial No. 779,318
1 Claim. (Cl. 177—329)



An indicator for switchboards comprising a spindle, indicator means carried by said spindle to provide a signal indication when moved to a given position, a spring normally urging said spindle to turn for movement of said indicator means to said given position, a latch to hold said spindle against turning movement, means to release said latch when a signal indication is desired, a pin carried by said spindle and disposed transversely of the axis thereof, a reset plunger having two spaced portions, said portions and said pin being arranged so that upon actuation of said plunger one portion engages said pin to rotate said spindle and the other portion engages said pin to limit the reset movement of said spindle.

2,485,616

EMULSION POLYMERIZATION OF BUTADIENE IN THE PRESENCE OF A SALT OF A MIDDLE FRACTION OF A DEHYDROGENATED ROSIN

John H. Long, Marshallton, and Donald H. Sheffield, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1944, Serial No. 540,889
7 Claims. (Cl. 260—83.7)

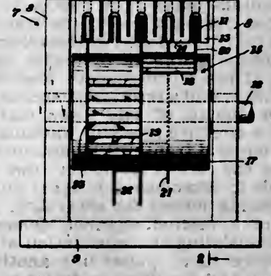
1. The process which comprises polymerizing in aqueous emulsion a conjugated butadiene hydrocarbon in the presence of between 1 and 5 per cent in the aqueous phase of an alkali metal salt of a middle fraction of a fractionated dehydrogenated rosin, said middle fraction consisting of from 50 per cent to 90 per cent of the dehydrogenated rosin, said fractionated dehydrogenated rosin being prepared by contacting a natural rosin with an active hydrogenation catalyst in the absence of added hydrogen at an elevated temperature until it contains at least about 40 per cent of dehydroabietic acid, subjecting said dehydrogenated rosin to distillation under reduced pressure, removing at least about 5 per cent of a light end, collecting a middle fraction consisting of from 50 per cent to 90 per cent of the dehydrogenated rosin and leaving as a residue at least about 5 per cent of the dehydrogenated rosin.

2,485,617

CAPACITIVE SWITCH

Frank J. Lundberg, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application April 9, 1945, Serial No. 587,237
6 Claims. (Cl. 178—44)



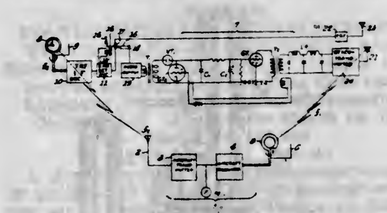
1. In a capacitive switch, a pair of terminals, a pair of stator members each connected to one of said terminals, and a capacitive switching means comprising a plurality of conductors electrically separated from each other and mounted uniformly circumferentially on a rotatable drum for movement into successive coupling relationship simultaneously with both said stator members said conductors being formed of U-shaped blades having arms extending radially around the periphery of said drum, each arm of said blade being shaped to provide circumferential overlap between the successive blades to provide a substantially constant degree of coupling between said terminals at any position of said switching means.

2,485,618

DISTANCE AND DIRECTION FINDER RADIO BEACON SYSTEM

Leo Mackta, New York, N. Y.

Application November 8, 1944, Serial No. 562,537
3 Claims. (Cl. 343—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



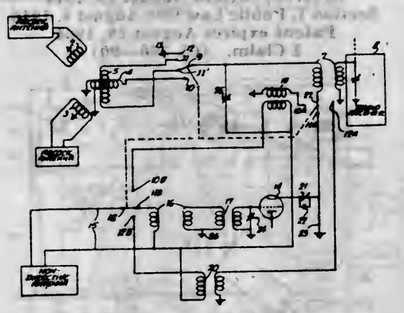
1. A distance and direction finder radio beacon system including at least two stations each having a radio transmitter and a radio receiver connected to said transmitter to control the output of said transmitter, a relay connected under the control of one of said receivers, a third receiver tuned to the output frequency of the transmitter at the same station as said one receiver, electrical connections controlled by said relay connecting the transmitter to said one receiver or to said third receiver, said first mentioned receivers and transmitters being linked to pass signal from one of said stations to the other and to return said signal to said one station, and a frequency meter connected to the receiver at said one station for measuring time including the time of transit of said signal from said one station to the other and the return of said signal to said one station, the third receiver at said other station energizing the transmitter at said other station and to cause it to emit a continuous signal when said third receiver is connected to the transmitter at said other station.

2,485,619

DIRECTION-RESPONSIVE RECEIVER

Edouard Martini, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 17, 1946, Serial No. 691,238
In France November 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 29, 1961
11 Claims. (Cl. 343—119)



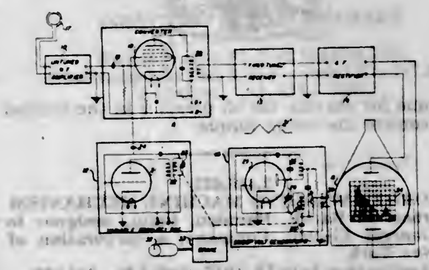
1. In an instrument sensitive to the direction of propagation of electromagnetic waves, a combination consisting of an Adcock antenna array, a non-directional antenna, means for eliminating ambiguity, said means comprising a circuit including a variable-mu tube, a transformer, a biased resistor, a variable resistor, a fixed capacitor shunting the variable resistor and a tuned circuit connected to the input of the tube, and means for inserting the incoming signal voltages from both antenna systems to the input of a radio receiver.

2,485,620

RADIO-FREQUENCY SPECTROSCOPE

Everett B. McCoppin, Dayton, Ohio

Application November 7, 1945, Serial No. 627,273
8 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio-frequency spectroscope for analyzing noise and signal energy comprising a radio-frequency oscillator including a first variable capacitator for continuously scanning in frequency within a prescribed band, a converter adapted to heterodyne the frequencies of said oscillator with the frequencies of energy to be analyzed, a receiver associated with said converter responsive to a narrow range of beat frequencies in the output circuit thereof, a cathode-ray oscilloscope having horizontal and vertical deflecting means, means for generating a sweep voltage including a second variable capacitor, the instantaneous capacitance of which determines the instantaneous value of said sweep voltage, means ganging said first and second variable capacitors whereby said sweep voltage varies in synchronism with the scanning of said prescribed frequency band, and means for applying the said sweep voltage and said receiver output to said horizontal and vertical deflecting means, respectively, of said oscilloscope whereby a panoramic view of said energy is displayed.

2,485,621

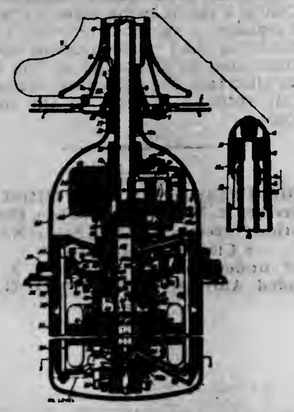
WASHING MACHINE

Jacob W. McNairy, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application August 25, 1944, Serial No. 551,165
23 Claims. (Cl. 192—3.5)

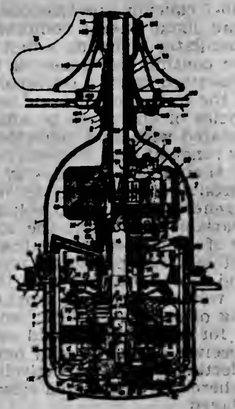
1. In combination, a driven member, a rotatable frame connected to said member, a motor, an oil pump driven by said motor, a friction clutch between the motor and the frame, a bellows supplied from said oil pump for engaging

the clutch, and means controlled by the clutch



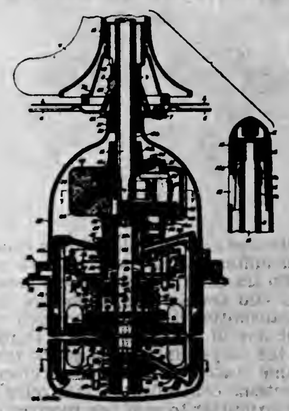
torque for varying the oil pressure in the bellows to control the clutch torque.

2,485,622
CLOTHES-WASHING MACHINE MECHANISM
Herbert F. Bariff, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application July 13, 1945, Serial No. 604,888
9 Claims. (Cl. 192—3.5)



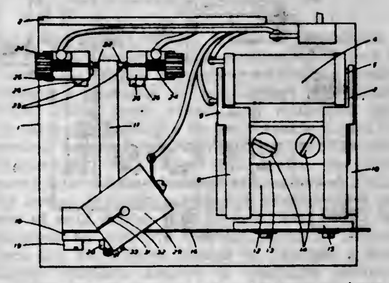
1. In combination, a spinner basket shaft, a washing means shaft, a rotatable frame connected to the spinner basket shaft, a drive shaft, mechanism operated by relative rotation of the drive shaft with respect to the frame for operating said washing means shaft, an electric motor, a clutch between the motor and the drive shaft, a brake for holding the frame stationary while said clutch is engaged to effect operation of the washing means shaft, and means for clutching the motor to the frame and releasing said brake and first clutch to rotate the spinner basket shaft.

2,485,623
FLUID OPERATED CLUTCH AND BRAKE FOR WASHING MACHINES
Jacob W. McNairy, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 8, 1946, Serial No. 639,859
5 Claims. (Cl. 192—18)



1. In a washing machine or the like, the combination of a driven shaft, a driven clutch member, axially yieldable arms connecting the driven clutch member to the driven shaft, spring means opposing axial movement of said driven clutch member, means limiting positively the extent of movement of the driven clutch member against the action of said spring means, a driving shaft, a second clutch member, an axially expansible corrugated bellows connected at one end to said second clutch member and at the other end to said driving shaft, a fluid pump driven by the driving shaft for supplying fluid pressure to said bellows, torque responsive means for regulating the pressure in the bellows, and means controlling the flow of fluid from the discharge side of the pump to the bellows.

2,485,624
VIBRATOR RELAY
Eric Malcolm Swift McWhirter, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1945, Serial No. 620,817
In Great Britain August 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 29, 1964
1 Claim. (Cl. 200—90)



In a vibrator relay, a magnet, an armature for said magnet, a rigid contact making member, a vibratile reed carrying said amature and fixed at its root to said member, a torsion metal pin mounting for said member, a fixed support, means for rigidly clamping said pin at its ends in said fixed support and means for clamping rigidly said pin intermediately in said member.

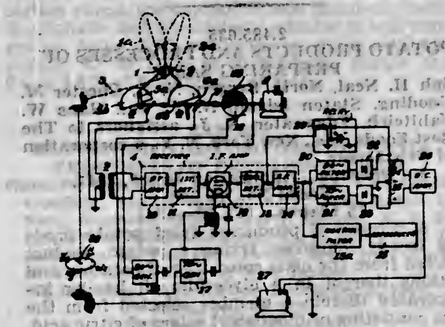
2,485,625
POLYISOBUTYLENE-ASPHALT COMPOSITION CONTAINING HARDENING AGENT
Robert W. Merley and Victor A. Navikas, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application March 10, 1944, Serial No. 525,944
6 Claims. (Cl. 260—4)

1. A composition of matter comprising about 20 to 30 parts by weight of polyisobutylene having an average molecular weight of 100,000 to 150,000; about 13 to 30 parts by weight of asphalt containing about 8 to 16 parts by weight of hardening agent for said polyisobutylene, said hardening agent comprising about one part by weight of polystyrene and about 2 parts by weight of a permanently fusible resinous condensation product of a terpene, a phenol, and acetone; and a filler.

2,485,626
CATALYTIC CONVERSION OF HYDROCARBONS
George Alexander Mills, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1947, Serial No. 756,822
8 Claims. (Cl. 196—52)

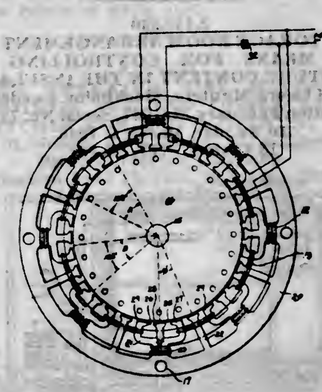
1. In methods comprising catalytic conversion of hydrocarbons in contact with a cracking catalyst, the improvement which comprises contacting said hydrocarbons under catalytic cracking conditions with a catalyst comprising a kaolin clay which has been activated by calcination at temperatures not less than 800° F. followed by leaching with acid under conditions such that at least 10% by weight of the alumina content of the clay is removed therefrom.

2,485,627
DIRECTION FINDER
Edward B. Moore, Ridgewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 16, 1946, Serial No. 710,322
11 Claims. (Cl. 343—117)



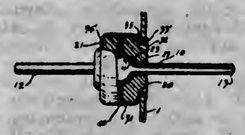
1. A radio direction finder, comprising two directional antenna sections oriented to receive maximum signal voltages from different directions, means for moving said antenna sections as a unit, a radio receiving circuit, means alternately coupling said antenna sections to the input of said receiver, two generators of different frequencies coupled to said receiver circuits for modulating the signals passed by said receiving circuits, means for alternately applying said different frequencies to said receiving circuit, the application of the frequencies being respectively synchronized and in time phase with the coupling of said antenna sections to the receiver input, two filters selectively responsive respectively to said two frequencies, coupled to the output of said receiving circuit, means for comparing the amplitude of the output currents of the filters, and means, responsive to the output of said comparing means, for directing said antenna unit such that said sections receive equal signal voltages.

2,485,628
INDUCTION MOTOR PRIMARY CONSTRUCTION
Wayne J. Morrill, Fort Wayne, Ind.
Application August 9, 1947, Serial No. 767,816
8 Claims. (Cl. 318—220)



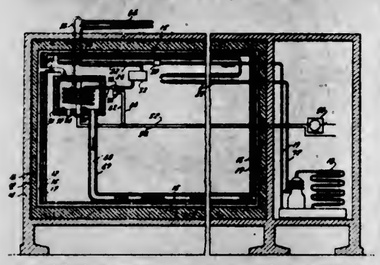
1. A stator for an electric motor comprising a magnetic structure having an outer portion and at least first and second alternately arranged teeth projecting inwardly from said outer portion and terminating in faces, said first teeth each comprising a narrow section and a wide section, the narrow sections each extending inwardly from said outer portion and terminating in said wide section, a first winding having a coil on each said narrow sections for magnetizing said first teeth, said wide sections each having at least first and second slots extending outwardly from said face thereof and providing at least first, second and third teeth portions, said at least first, second and third teeth portions of each wide section and the narrow section associated therewith constituting magnetic paths for the flux established by the coils of the first windings, and a second winding having a plurality of coils each having coil sides fitting in the said slots of the wide sections, each coil of the second winding surrounding and magnetizing a second tooth and the first and third teeth portions respectively of the adjacently disposed wide sections of the first teeth.

2,485,629
INSULATED TERMINAL
Edwin Mesthaf, Orange, N. J., assignor to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware
Application March 6, 1948, Serial No. 13,501
4 Claims. (Cl. 174—153)



1. An insulated terminal comprising, a conductor having two oppositely extending leg portions to which other conductors may be attached and an enlarged portion intermediate the two leg portions, at least two insulating parts, one on each side of the enlarged portion of said conductor, said insulating parts when held together being adapted to cooperate to hold the enlarged portion of the conductor and prevent movement of said conductor with respect to said insulating parts, an elastic washer between the adjacent portions of the insulating parts and means surrounding said insulating parts adapted to hold them together about said conductor.

2,485,630
COLD STORAGE ROOM ARRANGEMENT HAVING MEANS FOR CONTROLLING THE MOISTURE CONTENT IN THE INSULATION
Carl Georg Munters, Stockholm, Sweden
Application February 27, 1947, Serial No. 731,253
In Sweden March 1, 1946
13 Claims. (Cl. 62—6)



1. A cold storage room comprising walls having inner and outer spaced wall surfaces, heat insulating material confined between said wall surfaces, there being a passage for flow of air between said wall surfaces in diffusion connection with said insulating material, conduit means connected to said passage for supplying air thereto, means in a portion of said conduit means to cool said air below the freezing point of moisture entrained therein whereby ice is formed in said portion, and means operative at intervals to melt said ice.

2,485,631
SOYBEAN OIL COMPOSITION AND METHOD OF PREPARING SAME
Ralph H. Neal, Jersey City, N. J., Chester M. Gooding, Staten Island, N. Y., and Hans W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1945, Serial No. 608,101
11 Claims. (Cl. 260—398.5)

1. A composition of matter comprising a significant amount of a deodorized soya bean oil having incorporated therein, as essentially the sole added anti-oxidant and anti-flavor reversion agent, at least one monoester of citric acid, one of said monoesters present being monoisopropyl citrate.

2,485,632
GLYCERIDIC OIL COMPOSITION AND METHOD OF PREPARING SAME
Hans W. Vahlteich, Edgewater, and Ralph H. Neal, Jersey City, N. J., and Chester M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1945, Serial No. 608,102
14 Claims. (Cl. 99—163)

1. A food product comprising a significant amount of a glyceridic oil having incorporated therein a monoester of citric acid, the amount of said monoester being not more than 0.1% of said glyceridic oil by weight.

2,485,633
SOYBEAN OIL COMPOSITION AND METHOD OF PREPARING SAME
Chester M. Gooding, Staten Island, N. Y., and Hans W. Vahlteich, Edgewater, and Ralph H. Neal, Jersey City, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application August 1, 1945, Serial No. 608,380
17 Claims. (Cl. 99—163)

1. A food product comprising a significant amount of soya bean oil having incorporated therein a monoester of citric acid, the amount of said monoester being not more than 0.1% of said soya bean oil by weight.

2,485,634
MARGARINE AND BUTTER COMPOSITIONS
Hans W. Vahlteich, Edgewater, and Ralph H. Neal, North Bergen, N. J., and Chester M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application May 13, 1947, Serial No. 747,848
12 Claims. (Cl. 99—119)

1. A composition of matter containing oleaginous and aqueous components and selected from the class consisting of margarine and dairy butter, and having incorporated therein 0.05 to 1.5% by weight of a diester of citric acid selected from the class consisting of dialkyl esters of citric acid and dialkylene esters of citric acid, in which the alkyl and alkylene groups have at least 8 carbon atoms.

2,485,635
POTATO PRODUCTS AND PROCESSES OF PREPARING SAME
Ralph H. Neal, North Bergen, N. J., Chester M. Gooding, Staten Island, N. Y., and Hans W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 8, 1947, Serial No. 759,700
15 Claims. (Cl. 99—154)

1. A process of producing fried potato products which comprises frying a potato product selected from the class consisting of potatoes and portions thereof in a glyceridic oil having incorporated therein a member selected from the class consisting of monoalkyl esters of citric acid, monoalkylene esters of citric acid, dialkyl esters of citric acid and dialkylene esters of citric acid.

2,485,636
NUT MEATS
Ralph H. Neal, North Bergen, and Hans W. Vahlteich, Edgewater, N. J., and Chester M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application October 15, 1947, Serial No. 780,100
12 Claims. (Cl. 99—150)

1. An edible nut meat having incorporated therein a member selected from the class consisting of monoalkyl esters of citric acid, monoalkylene esters of citric acid, dialkyl esters of citric acid and dialkylene esters of citric acid, said alkyl and said alkylene groups in said diesters having at least 8 carbon atoms.

2,485,637
CITRIC ACID ESTERS IN CHEESE
Chester M. Gooding, Staten Island, N. Y., and Ralph H. Neal, North Bergen, and Hans W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application December 13, 1947, Serial No. 791,656
20 Claims. (Cl. 99—116)

1. A cheese product comprising butter fat, water, water soluble non-fat milk solids, milk protein and a member of the class consisting of monoalkyl esters of citric acid, monoalkylene esters of citric acid, dialkyl esters of citric acid and dialkylene esters of citric acid.

2,485,638
MARGARINE AND PROCESSES OF PREPARING SAME
Chester M. Gooding, Staten Island, N. Y., Hans W. Vahlteich, Englewood, N. J., and Ralph H. Neal, deceased, late of North Bergen, N. J., by Ethel Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1948, Serial No. 63,622
12 Claims. (Cl. 99—122)

1. A margarine containing oleaginous and aqueous components and having incorporated therein ¼ to 2% of a mixture of a mono-aliphatic citrate, a di-aliphatic citrate and a tri-aliphatic citrate, in which the aliphatic groups in said citrates have at least 14 carbon atoms and are selected from the class constituting of alkyl groups and alkylene groups, and ¼ to 6% of aliphatic mono-carboxylic acid mono-esters of glycerol in which the carboxylic acid residue has at least 14 carbon atoms, the amount of said mono-aliphatic, di-aliphatic and tri-aliphatic citrates in said margarine being 0.05 to 0.3% of mono-aliphatic citrate, 0.1 to 1.8% of di-aliphatic citrate and 0.1 to 1.8% of trialiphatic citrate.

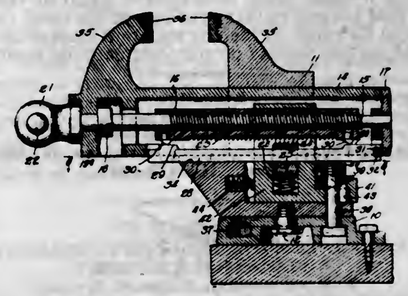
2,485,639
GLYCERIDIC OIL COMPOSITIONS AND PROCESSES OF PREPARING THEM
Hans W. Vahlteich, Englewood, N. J., Chester M. Gooding, Staten Island, N. Y., and Ralph H. Neal, deceased, late of North Bergen, N. J., by Ethel Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1948, Serial No. 63,623
16 Claims. (Cl. 99—122)

1. An edible glyceridic oil composition having incorporated therein a mixture of mono-aliphatic, di-aliphatic and tri-aliphatic citrates, in which the aliphatic groups in said citrates have at least 14 carbon atoms and are selected from the class consisting of alkyl groups and alkylene groups, the amounts of said mono-aliphatic, di-aliphatic and tri-aliphatic citrates in said composition being 3/32 to 3/8% of mono-aliphatic citrate, 1/32 to 1½% of di-aliphatic citrate and 1/16 to 1¼% of tri-aliphatic citrate.

2,485,640
STABILIZED GLYCERIDIC OIL COMPOSITIONS AND PROCESSES OF PREPARING THEM
Hans W. Vahlteich, Englewood, N. J., Chester M. Gooding, Staten Island, N. Y., and Ralph H. Neal, deceased, late of North Bergen, N. J., by Ethel Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1948, Serial No. 63,624
19 Claims. (Cl. 99—163)

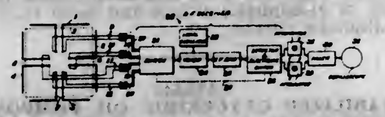
1. A composition of matter comprising a glyceridic oil containing substantially no tocopherol, 0.002 to 0.2% of a tocopherol and 0.002 to 0.2% of an ester selected from the class which consists of mono-alkyl esters of citric acid and monoalkylene esters of citric acid.

2,485,641
SCREW OPERATED VISE HAVING A TOOTHED NUT AND DISPLACEABLE RATCHET FOR QUICK OPENING
Ray M. Nelson, Rock Island, Ill., assignor to Birtman Electric Company
Application April 28, 1945, Serial No. 590,762
6 Claims. (Cl. 81—28)



1. A quick opening vise comprising a movable clamping jaw structure, a fixed clamping jaw structure, a threaded bolt mounted in the movable jaw structure, a nut having at least one side serrated engaging said bolt, said bolt and nut being capable of movement with the movable jaw structure, a ratchet mounted in the fixed jaw structure engaging said serrations for holding the nut fixed preparatory to clamping the jaws together, a displaceable member mounted in the movable jaw structure and slidably engaging said ratchet, and a stud mounted on said nut for displacing said member away from the nut to disengage said ratchet from the nut preparatory to moving the movable jaw structure relative to the fixed jaw structure.

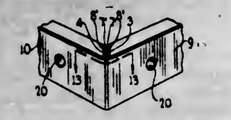
2,485,642
ELECTRONIC SWITCHING SYSTEM
John H. Newitt, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1945, Serial No. 581,053
8 Claims. (Cl. 343—121)



1. In an electron discharge device system, wherein during conduction of said device a direct current voltage drop appears across the output thereof, the combination of means to apply a voltage for blocking conduction of said device, and means for directly and simultaneously applying the opposite polarity of said voltage to said output acting in coordination with said blocking means for compensating the direct current drop loss in the output during blocking.

8. A direction finding system comprising a plurality of differently directed antennas, a direction finding receiver, and a switching system for switching current from said antennas to said receiver, said receiver including an electronic switching and radio frequency detecting arrangement comprising an electron discharge device, means for impressing radio frequency energy on said device, means for deriving from said device detected energy from said radio frequency energy so arranged that conduction of said device produces a normal direct current voltage drop in the deriving means, a source of switching voltages, means for impressing said switching voltages directly from said source on said device to block conduction thereof and thereby eliminate said normal direct current voltage drop, and means for applying voltages to the deriving means in synchronism with said switching voltages, said applied voltages being substantially equal in value to said normal voltage drop and in the same vectorial direction, to thereby maintain substantially said normal voltage drop in said deriving means.

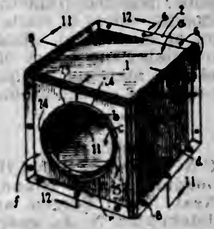
2,485,643
METAL-CLAD PANEL
Glenn H. Norquist, Jamestown, N. Y.
Application October 3, 1944, Serial No. 557,022
7 Claims. (Cl. 189—34)



1. An improved metal clad panel formed from a base sheet and a metal facing sheet bonded thereto, said base sheet having a main section and two or more flange sections whose adjacent ends substantially meet to form a corner, said metal sheet having an unbroken corner section, said unbroken corner being formed into a reinforcing rib extending between the adjacent ends of the flange sections of the base sheet.

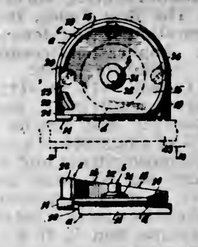
2,485,644
PACKING CASE AND METHOD OF MAKING SAME
Glenn H. Norquist, Jamestown, N. Y.
Application October 3, 1944, Serial No. 557,023
9 Claims. (Cl. 217—5)

5. An improved packing case having an interior sheet metal liner and an outer body structure assembled from flanged panels, each of said panels being formed from a plywood sheet cemented to a pliable liner forming metal sheet, cut lines in said fibrous sheet defining a wall section and rim forming flange sections, the metal sheet having unbroken corner portions crimped into ribbed formations extending between the adjacent ends of the flange sections of the base sheet, eyelets securing adjacent flange sections of adjacent panels rigidly together in paired relation-



ship with the metal faces of said flange sections in face-to-face abutment and encased between the outer plywood layers of said flange sections thereby forming a reinforcing framework for said case, the corners of said reinforcing framework each presenting a plurality of said ribbed formations extending from the corner focal point, and solder seams joining the metal liner sheets of adjacent panels together to provide an air-tight construction.

2,485,645
CLOSURE LATCHING ASSEMBLY
Glenn H. Norquist, Jamestown, N. Y.
Application June 23, 1945, Serial No. 601,213
2 Claims. (Cl. 292—240)



1. An improved latching assembly for releasably securing a closure member to a fixed closure seating structure including in combination, a latching rim adapted to be secured to the seating structure adjacent the closure opening, and a latching device associated with said closure member adapted to cooperate with said latching rim, said latching device including an anchor plate secured to the closure member, a latching cam rotatably secured to said closure member, said latching cam having a semi-circular flange presenting a cam surface adapted to be moved into and out of latching engagement with said latching rim when said latching cam is rotated, a stud pin rotatably securing said latching cam to said anchor plate, and tool attaching means associated with said latching device operative to facilitate locking and unlocking rotation of said latching cam, said means comprising a pivot head forming a part of said stud pin and a tool receiving notch in the cam flange of said latching cam.

2,485,646
INSULATED CONTAINER STRUCTURE
Glenn H. Norquist, Jamestown, N. Y.
Application June 23, 1945, Serial No. 601,214
14 Claims. (Cl. 220—9)



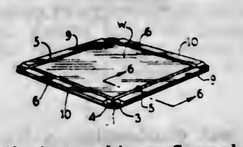
1. An insulated container structure comprising an inner containing shell having structural strength adapted to resist and absorb substantially all the stresses and strains imposed upon the container, said inner shell being inclosed within an insulating casing of high insulating value, said inner shell being formed of flanged metal clad panels, each of said panels comprising a fibrous base sheet cemented to a liner-forming metal sheet and presenting a wall section and laterally extending flange sections, the adjacent flange sections of adjacent panels being in substantially face-to-face abutment and providing a reinforcing framework for the shell, said insulating casing including a plurality of panel frames, each of said panel frames being formed by frame members of low thermal conductivity fitting over the flange sections of each of said panels, the adjacent frame members of adjacent panel frames having face portions in substantially face-to-face abutment, a groove formed in said adjacent frame members snugly receiving the adjacent paired flange sections of adjacent panels, and means for securing adjacent frame members of adjacent panel frames together.

2,485,647
INSULATED CONTAINER STRUCTURE
Glenn H. Norquist, Jamestown, N. Y.
Application October 26, 1945, Serial No. 624,649
14 Claims. (Cl. 240—9)



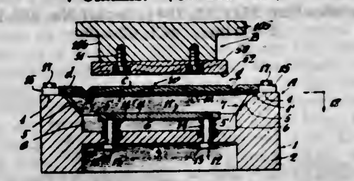
12. An insulated container structure including in combination, a plurality of liner panels forming the inner walls of the structure, each of said panels comprising a fibrous base sheet cemented to a metal liner sheet presenting a wall section and laterally flared flange sections, the adjacent flange sections of adjacent panels being in substantially face-to-face abutment, a framework encasing the flange sections of said liner panels, said framework including a frame for each of said panels, each of said frames comprising connecting frame members of low thermal conductive material secured to the flange sections of its associated liner panel, the adjacent frame members of adjacent panel frames presenting face portions, insulating sealing material sandwiched between the adjacent face portions of adjacent frame members, a groove formed in said adjacent frame members snugly receiving the adjacent paired flange sections of adjacent panels, means exterior of said flange sections for securing the adjacent frame members together in rigid assembly, insulating material packed within the confines of said framework, and an insulating foil sheeting covering said insulating material.

2,485,648
METHOD OF MAKING METAL-CLAD PANELS
Glenn H. Norquist, Jamestown, N. Y.
Original application October 3, 1944, Serial No. 557,022. Divided and this application August 23, 1946, Serial No. 692,528
5 Claims. (Cl. 29—148)



1. The method of making a flanged metal clad panel formed from a base sheet and a flexible metal sheet which comprises, removing triangular shaped segments from the corners of the base sheet to define the adjacent ends of the flange sections thereof, adhesively securing the base sheet to the metal sheet so as to leave the corner portions of the metal sheet uncovered and exposed, cutting grooves in the base sheet to further define the main section and flange sections, forming a crimp in the corners of said metal sheet, bending the metal sheet along said grooves to form corresponding metal flanges and folding the metal corners to provide rib formations extending between the adjacent ends of the flange sections of the base sheet.

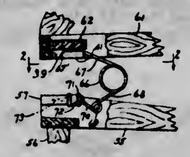
2,485,649
APPARATUS FOR FLANGING METAL CLAD FIBROUS BASE PANELS
Glenn H. Norquist, Jamestown, N. Y.
Application September 28, 1947, Serial No. 776,298
7 Claims. (Cl. 153—23)



1. A machine for flanging and ribbing metal clad panels of the type which comprises a fibrous base sheet having a metal surfacing sheet bonded thereto, the base sheet having grooves cut therein forming a main section and flange forming sections, a corner of the base sheet being notched to define the ends of the flanges to be formed with

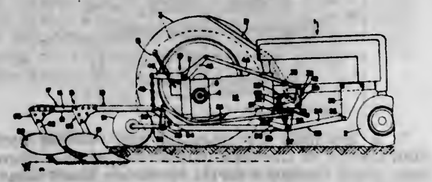
the exposed corner metal having preformed fold defining lines therein, said machine including in combination, a die-block presenting downwardly inclined flange forming faces and an intermediate corner forming face, a knife-like element extending diagonally inwardly from the corner shaping face to positively initiate inward collapse folding of the exposed corner metal, and pressure means for exerting pressure against the main section of the panel to force the panel into the confines of said die-block and substantially simultaneously force the metal faces of the flange sections into forming contact with the shaping faces of said die-block whereby the corner metal is formed into an inwardly extending plural ply rib wedged between the adjacent ends of the flange sections of the base sheet.

2,485,650
SPRING SEAT CONSTRUCTION
Stanley Overby, Inglewood, Calif.
Original application October 15, 1943, Serial No. 506,328. Divided and this application December 20, 1944, Serial No. 569,018
6 Claims. (Cl. 155—179)



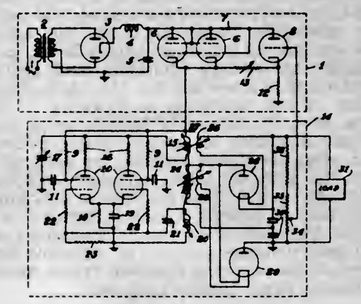
1. In a seat construction, a framework; an angularly cornered frame for supporting a seat; resilient means for supporting the frame on the framework, said means including spring elements each of which comprises a vertically-disposed coil spring having upper and lower tangential legs, the upper leg being provided with an angular, horizontal extension having similar angularity to a corner of the frame, the angular horizontal extension of the upper leg extending around the corner of the frame in parallel relation to the two sides of the frame adjacent the corner; means clamping the extension to the frame at opposite sides of the corner in said parallel relation; a bearing on the framework, a flexible member swiveled at one end to said bearing, and a pivot connecting the lower leg of said coil to the other end of said member.

2,485,651
IMPLEMENT ADJUSTING CONNECTION
Orey W. Oerman, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 11, 1944, Serial No. 535,121
2 Claims. (Cl. 97—98)



1. For use in an agricultural implement comprising supporting means, a generally longitudinally extending tool beam, a generally vertically swingable hitch member connecting the front end of said beam with said supporting means for generally vertical movement relative to said supporting means and a ground engaging gauge movably carried by said tool beam, the improvements which comprise a bell crank adapted to be carried by the rear end of said hitch member and the forward end of said tool beam, means for connecting one arm of the bell crank with said gauge, means for connecting the other end of said bell crank with said supporting means, whereby raising or lowering of the rear end of said hitch means and the forward end of said tool beam causes said bell crank to swing and shift said ground engaging gauge, and means on said supporting means for raising and lowering said bell crank and the connected portion of said hitch means and tool beam.

2,485,652
REGULATED RADIO FREQUENCY POWER SUPPLY
Louis W. Parker, Little Neck, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 10, 1947, Serial No. 784,999
6 Claims. (Cl. 321—18)

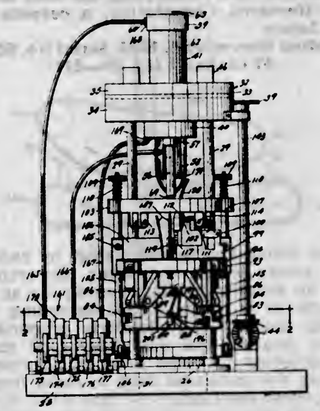


1. In a high voltage power supply system of the type which includes a radio frequency generator, and means for rectifying the output therefrom, an electronic D. C. power supply unit having an anodal connection to a source of positive D. C. potential and a floating cathodal connection to the positive electrodes of said generator, regulator means for varying the cathode potential of said unit, and a control circuit including a potentiometer connected across the output terminals of said rectifying means and an adjustable tap on said potentiometer connected to a control electrode in said regulator means.

2,485,653
SEED EXTRACTOR
Wirt D. Peel, Oakland, Calif.
Application September 2, 1947, Serial No. 771,632
17 Claims. (Cl. 146—17)

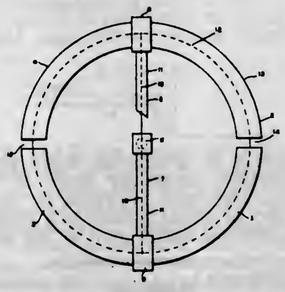
1. A fruit pitter, in combination; means for locating, centering and holding a fruit in upright position; a plunger and operating means therefor for forcing the seed out of the fruit; and means for ejecting the pitted fruit; said means for locating, centering and holding a fruit comprising a retractable flexible support for the fruit, a circular series of vertical rollers normally in retracted position for free reception of a fruit therebetween, the reversible actuating means for advancing said rollers toward a common center,

and driving means for coincidently rotating said rollers to orient said fruit in said upright position, means for terminating rotation of said rollers when said rollers reach their most advanced position, and for initiating rotation of said rollers



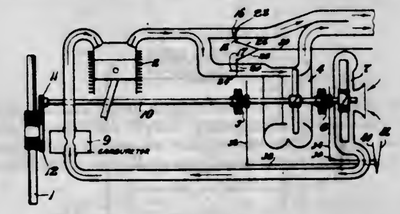
following operation of said plunger to free the fruit from the plunger and from the rollers and with said reversible actuating means coincidently retracting said rollers to their normal retracted position.

2,485,654
ANTENNA
Sidney B. Pickles, Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 28, 1946, Serial No. 672,747
5 Claims. (Cl. 250—33.67)



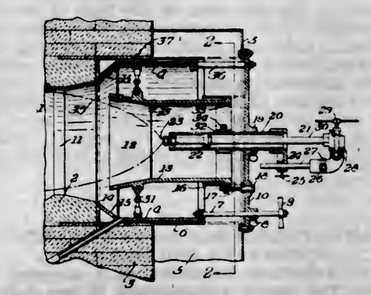
1. A radio antenna comprising two open loop conductors joined at their ends to form a closed periphery, a shield for each of said conductors, each said shield having two tubular portions the free ends of which extend toward one another to provide a gap therebetween and the other ends of which are joined to the corresponding ends of the portions of the shield of the other loop conductor, each said loop conductor being coaxially disposed within said portions of its shield whereby it is shielded along the lengths of the portions and exposed at said gap, said portions being of an electrical length of substantially one quarter wave length of the current to be translated, a dual transmission line for feeding said loop conductors, and coaxial branch lines connecting one conductor of said transmission line and each joined end of said loop conductors.

2,485,655
EXHAUST TURBINE DRIVEN FAN AND SUPERCHARGER
Edwin H. Polk, United States Navy
Application July 21, 1944, Serial No. 546,032
4 Claims. (Cl. 60—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



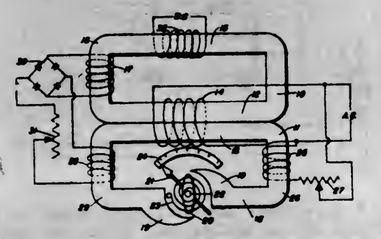
1. A air-cooled internal combustion engine provided with a cooling fan, means for driving said cooling fan, an exhaust turbine connected to said driving means by a clutch, and a supercharger driven by said turbine through another clutch.

2,485,656
HYDROXYLATING FUEL BURNER
Franz J. M. Raskin, Montreal, Quebec, Canada
Application March 25, 1944, Serial No. 528,098
15 Claims. (Cl. 158—1.5)



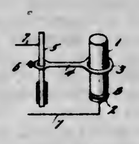
1. In a fuel burner in combination; two longitudinally extending air supply channels, one within the other; a longitudinally adjustable fluid fuel supply channel located within the innermost air supply channel, said innermost channel having at its inlet end an air controlling means for controlling solely the air supply to said inner channel and said fuel supply channel having at its discharge end a nozzle producing a cone-shaped fuel spray of a diameter within the inner supply channel less than and located in the rear of the discharge end of said channel, said nozzle located at a distance approximately equal to the radius of a conical extension from the nozzle to approximately the outlet end of the inner channel divided by the tangent of half the included angle of said extension to provide a hydroxylation chamber of sufficient length to allow time for the air from said innermost channel and the fuel from the fuel channel to mix and, when ignited, to cause hydroxylation of the fuel to take place within said chamber before the additional air from said outer air channel is applied to the previously ignited and hydroxylated fuel, to effect further combustion, and means at the outlet end of the innermost supply channel for controlling the velocity of the secondary air at the outlet end of said innermost channel.

2,485,657
ELECTRICAL INSTRUMENT WITH ELECTRO-MAGNETIC FEEDBACK
Harold B. Rex, Falls Church, Va.
Application July 23, 1946, Serial No. 685,412
9 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



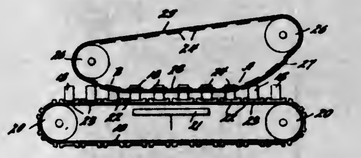
1. An electrical measuring instrument comprising contiguous cores of magnetic material respectively of high and medium magnetic permeability, a winding around adjacent portions of the cores binding them together electromagnetically and being energizable by an alternating current to magnetize both cores in proportion to their relative permeabilities, indicator means responsive to the flux flow in the core of medium permeability, zero-setting means for neutralizing the flux in said core available for operating said indicating means thereby to cause a zero reading of said indicator means, and a winding around another portion of the core of high permeability being energizable by direct current to upset the neutral status of the flux in the core of medium permeability and cause a reading at the indicator means.

2,485,658
RADIO-FREQUENCY POWER HEATING APPARATUS AND METHOD
John W. Robertson, Englewood, N. J., assignor, by direct and mesne assignments, of one-half to Ellis-Foster Company, Montclair, N. J., a corporation of New Jersey, and one-half to Montclair Research Corporation, a corporation of New Jersey
Application November 5, 1945, Serial No. 626,860
13 Claims. (Cl. 219—47)



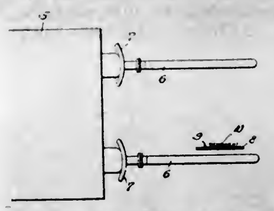
8. The method of heating batch materials in containers, which comprises applying radio frequency power to a batch of dielectric material to be heated by dielectric loss from electrodes, one of which electrodes encircles the container at a distance from the other electrode, and positioning the encircling electrode with respect to the upper surface of the material undergoing treatment to control the heating effect obtained at the surface of the material.

2,485,659
DIELECTRIC HEATING
John W. Robertson, Englewood, N. J., assignor, by direct and mesne assignments, of one-half to Ellis-Foster Company, Montclair, N. J., a corporation of New Jersey, and one-half to Montclair Research Corporation, a corporation of New Jersey
Application November 5, 1945, Serial No. 626,861
17 Claims. (Cl. 99—217)



1. The method of heating food by radio frequency power which comprises immersing the food in an aqueous medium containing an added electrolyte in an amount not exceeding 1% to give said medium the dielectric properties desired for heating the particular food material when subjected to radio frequency power and subjecting the immersed food to radio frequency power to heat the food.

2,485,660
DESTRUCTION OF ORGANISMS
John W. Robertson, Englewood, N. J., assignor, by direct and mesne assignments, of one-half to Ellis-Foster Company, Montclair, N. J., a corporation of New Jersey, and one-half to Montclair Research Corporation, a corporation of New Jersey
Application April 29, 1946, Serial No. 665,680
11 Claims. (Cl. 99—221)

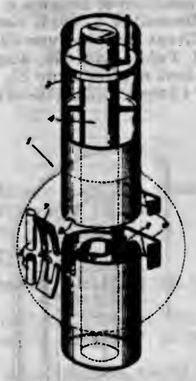


1. A method of destroying small organisms which comprises subjecting them to invisible corona discharge only produced by radio frequency power of lethal voltage at a temperature below the thermal death point of the organism.

2,485,661
OSCILLATION GENERATOR OF THE VELOCITY MODULATION TYPE
Richard Greville Roach, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1943, Serial No. 511,094
In Great Britain May 8, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 8, 1962
8 Claims. (Cl. 315—5)

1. A velocity-modulated electron beam tube comprising a cavity resonator provided with apertures for passage of an electron beam therethrough, means adjacent said resonator for projecting therethrough an electron beam a part thereof adapted to pass through the antinode of standing waves developed in said resonator and

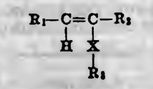
an outer part thereof through an adjacent portion of the waves, beam control means to control the beam between said resonator and said projecting means for cutting-off the outer part of said beam, said beam control means being positioned along



the beam path and having progressively greater control over said beam towards said outer part, and means connected to said beam control means for applying thereto a potential varying inversely with the length of said waves whereby the size of said beam is decreased with shorter waves.

2,485,662
ALPHA-(AMINOALKYL)-STILBENES
Ewald Rohrmann, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application April 13, 1948, Serial No. 20,831
7 Claims. (Cl. 260—293)

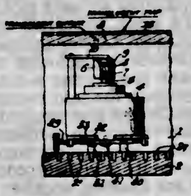
1. A compound selected from the group consisting of substituted stilbenes and their acid addition salts, said stilbenes being represented by the formula



wherein R_1 and R_2 are carbocyclic radicals of the group consisting of phenyl, hydroxyphenyl, lower alkoxyphenyl, lower alkylphenyl and halophenyl, X is a radical of the group consisting of ethylene, methylethylene and n-propylene, and R_3 is a radical of the group consisting of dimethylamino, diethylamino, methylethylamino, methylpropylamino, piperidino, pyrrolidino and morpholino.

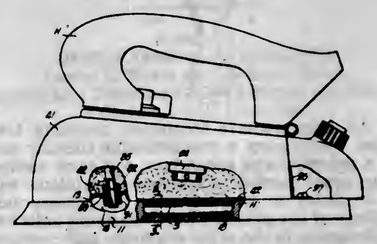
2,485,663
AUTOMATIC NAVIGATOR
Robert F. Rusch, United States Army, Appleton, Wis., and John F. Payne, United States Army, Pleasantville, N. Y.
Application September 14, 1945, Serial No. 616,441
2 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A Selsyn vehicle locator for navigation maps and the like comprising a map holder including a body surface member having a multiplicity of parallel rows of holes, a Selsyn pointer unit having a base, at least two pins thereon spaced to engage in any corresponding number of said holes of similar spacing, an intermediate base slidable in one direction on said base, means to releasably secure the intermediate base in adjusted positions on the base member, said Selsyn unit having a stator slidable on the intermediate base in a



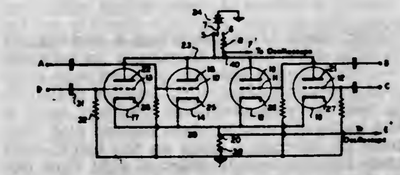
direction at right angles to the direction of slidable movement of the intermediate base on said base, and means to releasably secure the stator in adjusted positions on the intermediate base.

2,485,664
HEAT EXCHANGE APPARATUS
Robert J. Scott, Kansas City, Mo., assignor to John C. Hockery, Kansas City, Mo., as trustee for Henry J. Talge and Foster L. Talge
Application December 27, 1948, Serial No. 67,429
4 Claims. (Cl. 38—77)



1. A steam iron having a steam generating boiler, a cast metal sole plate element, heating means in said sole plate element, a stamped metal element forming a portion of said boiler to be heated, a plurality of contacting layers of metal foil having high heat-conductive properties between and in contacting relationship with said elements, and means for detachably clamping said elements together with said foil therebetween so that the elements may be separated for repair purposes.

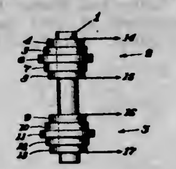
2,485,665
MIXING CIRCUIT
James E. Shepherd, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 16, 1943, Serial No. 494,960
4 Claims. (Cl. 178—44)



3. A combined mixing and gating circuit for receiving a plurality of input signals and providing an output voltage wherein the component corresponding to one of said input signals is dependent upon the strength of another of said input signals, comprising a plurality of electronic discharge elements having anode, cathode and

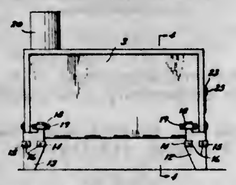
grid electrodes, means for impressing one of a plurality of signals upon each of said grid electrodes with respect to ground, common supply means for maintaining at least two of said anode electrodes at the same potential with respect to ground, and means for degeneratively intercoupling said electronic discharge elements, said last named means comprising a high-impedance common cathode load for said elements in circuit between their cathodes and ground, at least one of said electronic discharge elements being conditioned to develop across said common cathode load, in response to its grid electrode input signal, a high voltage for biasing another of said electronic discharge elements to a substantially unresponsive condition.

2,485,666
TRANSFORMER
Martin Silver, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1946, Serial No. 660,104
2 Claims. (Cl. 175—359)



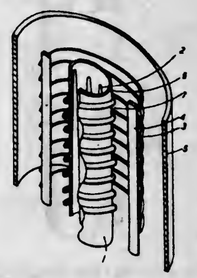
2. An intermediate frequency coupling transformer comprising a magnetizable tubular member, a primary and secondary coil each comprising an equal number of stacked submultiple windings in series on said member, the corresponding windings of the primary and secondary coils being of substantially the same diameter and increasing in diameter from the ends of said coils towards the centers thereof, whereby a given looseness of coupling between said primary and secondary winding is obtained with a relatively small physical size of transformer.

2,485,667
FOLDING CAMP STOVE
Percy D. Sims, Lovell, Wyo.
Application July 24, 1946, Serial No. 685,855
1 Claim. (Cl. 126—9)



A folding camp stove including a rectangular bottom with sides hinged thereto, a rectangular top with ends hinged thereto, clips on said stove sides and ends, and detachable legs for positively holding said stove in assembled position, each of said legs being angular in cross section and having upwardly extending arms on the top thereof to engage simultaneously pairs of said clips one on one of said ends and one on one of said sides, and reinforcing straps rigidly securing pairs of said legs together, said straps being in parallel spaced pairs terminally secured to opposite sides of the legs, and said top, bottom, sides and ends being insertable between the straps when in collapsed positions.

2,485,668
THERMIONIC CATHODE
Charles Norman Smyth, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 5, 1945, Serial No. 632,984
In Great Britain June 23, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 23, 1964
5 Claims. (Cl. 250—27.5)



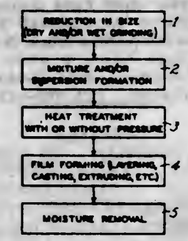
1. An electron discharge device comprising an indirectly heated thermionic cathode of ribbed tubular form, a grid electrode mounted adjacent said cathode, and an electron emissive coating covering substantially the whole of the surface of said cathode adjacent said grid electrode, said ribbed portions of said coated cathode surface being spaced close to said grid, the remaining portions of said coated cathode surface being spaced at a relatively greater distance from said grid than the spacing of said ribbed portions whereby when normal operating potentials are applied to the device an electric field of relatively high intensity is produced immediately adjacent said specified portions from which a strong electron emission is desired and an electric field of relatively low intensity is produced immediately adjacent said remaining portions from which a weak electron emission is desired.

2,485,669
POULTRY FEEDING COMPOSITION
Clarence W. Sondern, Mendham, N. J., assignor to White Laboratories, Incorporated, Newark, N. J., a corporation of New Jersey
No Drawing. Application April 28, 1945, Serial No. 590,968
8 Claims. (Cl. 99—4)

1. A feeding composition for poultry which includes a compound selected from the group consisting of 3,4-di(p-methoxyphenyl)-n-hexane, 3,4,-di(p-methoxyphenyl)-n-hexene-3, and 3,4-di(p-methoxyphenyl)-n-hexadiene-2,4 in an amount less than about 200 milligrams per pound of feed.

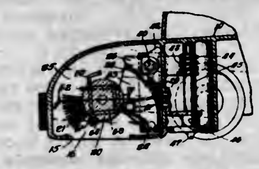
2,485,670
METHOD FOR PRODUCING TOBACCO WEB MATERIAL
Frank J. Sowa, Cranford, N. J., and Frederick F. Tone, Baldwin, N. Y., assignors to International Cigar Machinery Company, a corporation of New Jersey
Application June 9, 1942, Serial No. 446,366
3 Claims. (Cl. 131—140)

2. The step in forming tobacco sheet material from a suspension of ground tobacco in a fluid medium containing colloidal tobacco which comprises subjecting said suspension to fifteen pounds



pressure per square inch at a water vapor temperature not exceeding 250° F.

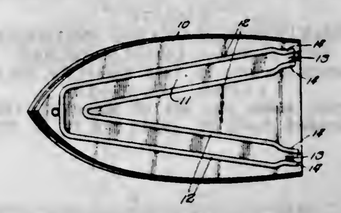
2,485,671
RETRACTABLE BRUSH FOR SUCTION CLEANERS
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application June 26, 1944, Serial No. 542,109
1 Claim. (Cl. 15—368)



In a suction cleaner, a body including an elongated nozzle chamber having end walls thereon, a brush within the nozzle chamber rotatable about a longitudinal axis and positioned within said chamber with one end of the brush being adjacent one of said end walls and the other end of the brush being adjacent the other end wall, a pivotally mounted bracket adjacent each end of the brush and adjacent the inner surface of an end wall of the nozzle chamber, each bracket having the pivot point thereof below the longitudinal axis of the brush and to the rear thereof, a bearing in each end of the brush with each bearing having substantially the shape of an equiangular quadrangle in vertical cross-section, and each bracket having a bearing-receiving cup of similar shape with three sides of the cup being formed of a single flat strip of sheet metal bent to the required shape and the fourth side being formed of a second strip of sheet metal pivotally attached at one end thereof to one end of the first strip of sheet metal and normally engaging the other end of said first strip to form the fourth side of said cup, said second strip being movable outwardly away from the brush in a plane substantially parallel to the longitudinal axis of the brush so that substantial movement thereof is prevented by the adjacent end wall of the nozzle chamber when the bracket is within the nozzle chamber.

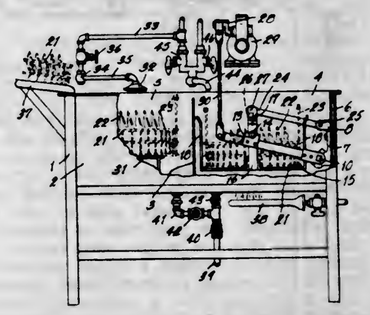
2,485,672
HEATING ELEMENT
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application September 6, 1946, Serial No. 695,203
7 Claims. (Cl. 219—25)

1. A heating element comprising a metal plate, an elongated groove therein bounded by upstanding flanges, said groove having a tapered end, a resistance element within the groove comprising a resistance wire around a solid core with the end of said reistance wire extending out the tapered end of the groove and the core extending only to the beginning of the tapered end, a thin layer of insulating material surrounding the resistance



element, core and said end of the resistance element, and a metal cover plate contacting the insulating material and held by the flanges, said cover plate comprising a thin metal plate having bent upstanding edges contacting said flanges and distorted toward each other by pressure of the flanges against said edges.

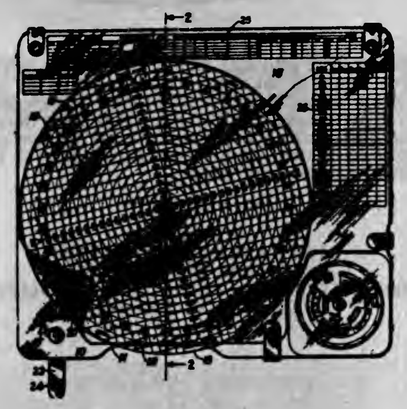
2,485,673
DISHWASHING APPARATUS
James C. State, Kalamazoo, Mich.
Application January 27, 1944, Serial No. 519,853
9 Claims. (Cl. 134—160)



1. In a dish washing apparatus, the combination of a rectangular washing compartment, brackets mounted in laterally spaced relation on an end wall of said compartment, a rockshaft mounted on said brackets and provided with laterally spaced rocker arms disposed adjacent the side walls of the compartment and having aligned upwardly facing open bearings, a cradle comprising a frame-like base portion and corner uprights, diagonally opposed uprights being provided with supporting journals removably engageable with said bearings on said rocker arms, the rear upright having a pin vertically spaced from its journal, a link pivoted on the bracket adjacent the rear side wall and detachably engageable with said pin on said upright and being when so engaged in parallel relation to the adjacent rocker arm and positively retaining the cradle in an upright position, a driving crank above said compartment, a connecting rod for said crank to the rear rocker arm whereby an oscillating movement is imparted to said cradle, and a dish basket adapted to be removably sup-

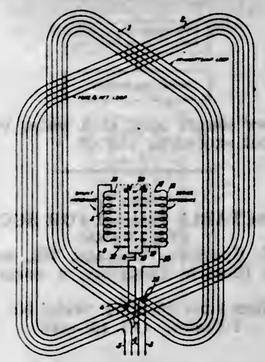
ported in said cradle, said link being adapted to be swung to upright retracted position to permit the removal of the cradle from said compartment, whereby said compartment substantially unobstructed may be used for washing articles such as pots and pans.

2,485,674
NAVIGATIONAL PLOTTING INSTRUMENT
Earle E. Suiter, United States Navy
Application May 21, 1945, Serial No. 594,884
1 Claim. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



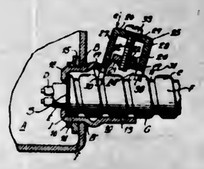
A plotting board for instructional and aerial navigation purposes comprising a base member having a countersunk circular recess in the top surface thereof, an upstanding pivot centrally located within said recess and binding posts spaced around the peripheral area of said base member, a circular disc mounted for rotation on said pivot and disposed within said recess, said disc having printed thereon a scalar rectangular grid, the central ordinate thereof being indicated as a true index line with a mile scale thereon, the central abscissa thereof at right angles to said ordinate having a mile scale thereon, circles concentric with said pivot intersecting said ordinate and abscissa at points of tangency to the other ordinates and abscissae, a magnetic variation scale on the outermost circle on either side of said true index line, a transparent plotting sheet covering said circular disc, said sheet having printed thereon a compass rose in registration with the magnetic variation scale on said disc and a map of the area to be flown over to the same scale as the underlying grid, said map oriented with respect to said grid by means of a central aperture in said plotting sheet fitting over said pivot and a plurality of apertures spaced around the periphery of said plotting sheet for engagement with said binding posts, and resilient caps flexibly attached to said base member for engagement with the upper parts of said binding posts for holding said plotting sheet thereon whereby the plotting sheet with its map printed thereon may be rapidly and easily oriented with respect to the said grid and base member and flight problems may be quickly and accurately solved.

2,485,675
COMPENSATING SYSTEM
Irving R. Taylor and Lars Larsen, Brooklyn, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 1, 1945, Serial No. 608,214
2 Claims. (Cl. 342—114)



1. An adjustable apparatus for varying the induced current in one of two coupled radio wave collectors comprising: two impedances one of which is shunted across a portion of one of said collectors, and the other of which is coupled in series with said one collector, separate series of contacts tapped to each impedance for varying their amount, and manually adjustable means for cooperating with said contacts to simultaneously vary the amount of both impedances so that when the series impedance is increased the shunted impedance is decreased and vice versa, said contacts tapped to said shunted impedance are mounted in a semi-circle on an insulating disc and the contacts tapped to said series impedance are mounted in a diametrically opposed semi-circle on the same disc, and said adjustable coupling means is rotatably mounted on a pivot at the center of said disc.

2,485,676
CABLE CONNECTOR
George C. Thomas, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application July 30, 1947, Serial No. 764,753
6 Claims. (Cl. 285—6.5)

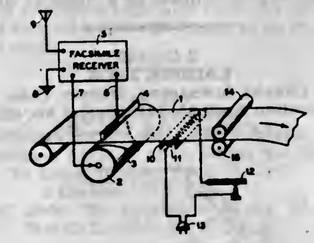


1. A cable connector including a tubular member provided with means for mounting it in position and designed to receive a cable in its bore, one side of the member provided with a clamp support, a clamp of inverted U-form having a crotch portion extending lengthwise of the member and straddling said support, and said clamp having downturned legs of unequal length fashioned to engage one side of the cable at two longitudinally spaced-apart points and a screw reacting between the clamp and support and operable along a thrust line extending at an acute angle to the axis of the member.

2,485,677
COPOLYMERS OF ALKENYL DIESTERS OF ALKENYLPHOSPHONIC ACIDS WITH VINYL ACETATE
Arthur Dock Fon Tey, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application April 24, 1946, Serial No. 664,716
10 Claims. (Cl. 260—85.7)

1. A copolymer obtained by copolymerizing 30 to 90% by volume of vinyl acetate and 70 to 10% by volume diallyl isobutenylphosphonate.

2,485,678
FACSIMILE RECORDER
William H. Tribble, East Meriches, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware
Application August 21, 1947, Serial No. 769,368
3 Claims. (Cl. 346—1)

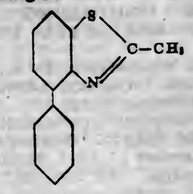


1. The process of recording with a lake-forming metal electrode chosen from the group consisting of iron, vanadium and cerium upon a record support carrying an acidified electrolyte and a polyhydroxyphenolic lake-forming compound which includes the steps of passing modulated electric currents through said support and said electrode to provide a record at least partially consisting of a color-lake formed of metal from said electrode in combination with said polyhydroxyphenolic compound, then heating said support to dry it, and of further heating said support to a temperature in the range of 250 to 450 degrees Fahrenheit to deepen the color of said record.

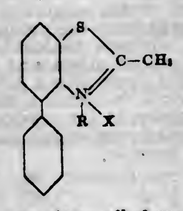
3. In an electrolytic recorder the combination of a recording electrode containing a metal of the group consisting of iron, vanadium and cerium and a second electrode for recording upon a recording surface carrying an electrolyte and a polyhydroxyphenolic compound, means for passing recording currents through said recording surface to provide a record consisting at least in part of a color-lake, a heater for drying said record, and a heating control for maintaining the temperature of said record in the range of 250 to 450 degrees Fahrenheit for a predetermined period to deepen the color of said record.

2,485,679
2-METHYL-4-PHENYLBENZOTHIAZOLE AND QUATERNARY SALTS THEREOF
Gertrude Van Zandt, Austin, Tex., and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 13, 1946, Serial No. 709,414
10 Claims. (Cl. 260—304)

1. A compound selected from those represented by the following formulas



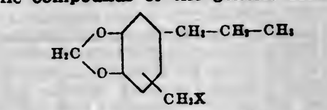
and



wherein R represents an alkyl group and X represents an anion.

2,485,680
DIHYDROSAFROL DERIVATIVES
Herman Wachs, Brooklyn, N. Y., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 1, 1946, Serial No. 658,872
4 Claims. (Cl. 260—338)

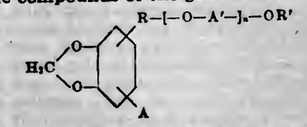
1. The compounds of the generic formula



in which X is a substituent selected from the group consisting of the chlorine atom, the bromine atom and the hydroxyl radical.

2,485,681
METHYLENEDIOXYPHENYL DERIVATIVES AND METHOD FOR THE PRODUCTION THEREOF
Herman Wachs, Brooklyn, N. Y., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 20, 1947, Serial No. 729,883
20 Claims. (Cl. 260—338)

1. The compounds of the generic formula



in which R is a saturated, bivalent, aliphatic, hydrocarbon radical, A is a substituent selected

from the group consisting of the hydrogen atom and alkyl radicals, R' is a substituent selected from the group consisting of alkyl, cycloalkyl, aralkyl, aryl and heterocyclic radicals, A' is a saturated, bivalent, aliphatic, hydrocarbon radical having from two to three carbon atoms and n is an integer from one to three.

2,485,682
PROCESS OF POLYMERIZING A CONJUGATED DIENE IN THE PRESENCE OF A REGULATOR COMPRISING SELECTED AMIDES OF MERCAPTYL UNDECANOIC ACIDS

Karl H. Weber, Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Original application March 10, 1944, Serial No. 525,947. Divided and this application September 17, 1947, Serial No. 774,673
12 Claims. (Cl. 260—82.7)

1. The process which comprises polymerizing a material selected from the group consisting of an open chain, aliphatic conjugated diene containing 4 to 6 carbon atoms and a mixture of such a conjugated diene with a different copolymerizable compound including a vinyl radical in an aqueous emulsion in the presence of a polymerization regulator comprising an amide of an acid having the formula,

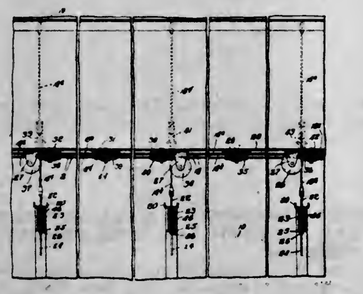
$$\begin{matrix} CH_2CH(CH_2)_nCOOH \\ \downarrow \quad \downarrow \\ X \quad Y \end{matrix}$$

in which X and Y are different substituents selected from the group consisting of H and —SH.

2,485,683
LEVELING SYSTEM FOR LIFTER ROOF TANKS

Ivan L. Wissmiller, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application April 29, 1946, Serial No. 665,783
6 Claims. (Cl. 48—176)

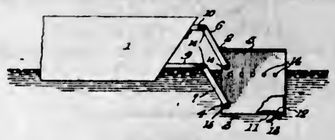


1. In a storage tank comprising a shell, a vertically movable roof thereover, and downwardly extending skirt on the roof and outside the shell, stabilizing means comprising a cable resiliently attached to the shell at one point and attached to the shell at another point and a series of pulleys attached to the lower edge of the skirt, said cable extending from one point of attachment on the shell wall, passing up over a first pulley arranged in substantially vertical position and substantially parallel to the shell, over an idler pulley arranged substantially horizontally, over a third pulley arranged substantially horizontally, under a fourth pulley adjacent the third pulley and spaced above and inwardly therefrom and arranged substantially vertically and at substantially right angles to the shell, and up to a higher point of attachment on the shell, said fourth pulley being arranged adjacent the shell to serve also as a centering device for the roof.

2,485,684
FISH BOX FOR BOATS

William L. Aldredge, Sr., Largo, Fla.

Application September 16, 1948, Serial No. 49,615
3 Claims. (Cl. 43—55)

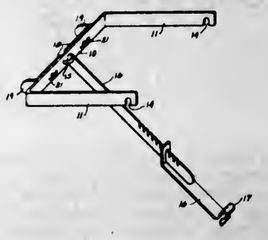


1. The combination of a boat and a bait box, wherein the bait box has openings in the upper portion thereof and an inlet in the lower portion thereof, with a coupling between the boat and bait box, said coupling having pivotal connections to a side of the boat and a wall of the bait box, and a member between said connections whereby movement of the bait box relative to the boat will be limited to a vertical direction.

2,485,685
LADDER JACK

Charles Armstrong, Denver, Colo.

Application April 15, 1946, Serial No. 662,176
2 Claims. (Cl. 248—238)



1. In a ladder jack, a unitary, U-shaped yoke member having a flat, elongate base and like integral arms projecting in spaced parallelism perpendicularly from the base ends, hooks adjacent the free ends of said arms engageable with the opposite end portions of a ladder rung to hingedly mount said yoke with its base parallel to the engaged rung, a brace hinged to the yoke midportion and selectively engageable at its free end with a ladder rung either above or below that engaged by said yoke arms to operatively support said yoke in substantially horizontal projection from the associated ladder with the yoke base face in opposition to a vertical surface toward which the ladder is inclined, like shoes spaced apart in slidable and rotatable bearing engagement against the yoke base outer face, means for clamping said shoes to said base in any position of their relative adjustment thereon, and outturned, vertical-surface-engaging ends on said shoes.

2,485,686
HAIR CURLER

Robert Bacon, Brooklyn, N. Y.

Application October 8, 1948, Serial No. 53,465
5 Claims. (Cl. 132—42)

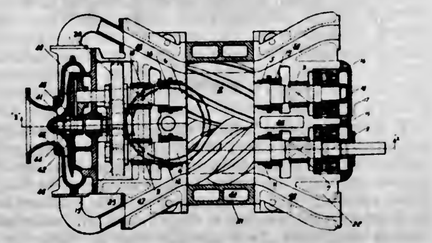


5. A hair curler, comprising an elongated body including free ends, a pair of Y-shaped flexible elastic members each including a leg and a pair of diverging arms having one of their ends connected to said leg, the other ends of said arms of one member being secured to one side of said body intermediate the ends of the latter in longitudinally-spaced relation, the other ends of said arms of the other member being similarly secured to the opposite side of said body in opposed relation to said first-named member, said legs of said members including caps seatable over opposite ends of said body upon stretching of said legs along said body in opposite directions, said arms of at least one of said members cooperating with said body to provide means for securing a lock of hair to said body for winding of said lock about said body and said arms to form a cylindrical curl, said caps being adapted to be thereafter secured to ends of said body opposite to those to which said caps were originally secured, whereby to form bights in said legs engaging opposite sides of opposite ends of said curl and operative to shift said curl to a biased position forming a sculpture curl, and said legs including free ends formed to provide finger grips outwardly of said caps.

2,485,687
ROTARY ENGINE

Wilfred Bailey, Glasgow, Scotland

Application April 26, 1948, Serial No. 26,809
In Great Britain April 25, 1947
4 Claims. (Cl. 123—12)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

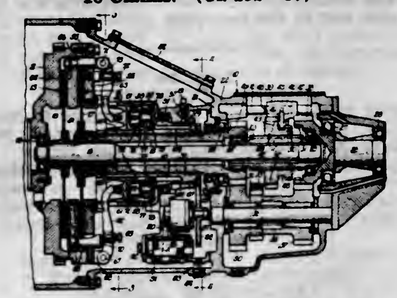


1. A rotary internal combustion engine comprising a casing having an exhaust port and a front and a rear end, two cooperating coaxial rotors within said casing, said rotors having an inlet end facing towards the front end of the casing, and an exhaust end facing towards the rear end of the casing, one of said rotors having at least one helical groove of a predetermined pitch in its outer periphery, the other of said rotors having at least one helical tooth of said predetermined pitch and of opposite direction on its outer periphery, said rotors being positioned so that the tooth engages the groove when the rotors are oppositely rotated, said tooth and its corresponding groove forming a combustion space in front of the point of full engagement of the tooth with the groove, valve means for admitting fuel into said combustion space, a transfer conduit having one end communicating with the interior of the casing opposite a predetermined angular position of the groove of the grooved rotor and substantially at the point where the exhaust end of said tooth terminates full engagement with the exhaust end of the groove, the other end of said transfer conduit being in communication with said combustion space, said transfer conduit being adapted to transfer compressed air from its first-mentioned end into the combustion space, means for igniting the fuel and air in the combustion space, said exhaust port communicating with the interior of the casing opposite a predetermined angular position of the groove of the grooved rotor, and at a time where the tooth is disengaged from the groove along its entire length, and valve means for admitting scavenging air to the groove while it contains combusted gases and when it is aligned with said exhaust port.

2,485,688
AXIALLY ENGAGING MULTIPLE FLUID CLUTCH

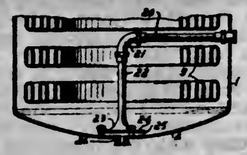
Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware

Application December 26, 1944, Serial No. 569,848
18 Claims. (Cl. 192—87)



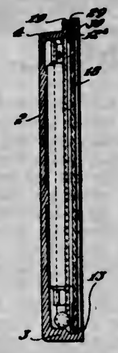
9. In a hydraulically operated dual clutch control for a multiple speed transmission, two selectively operable friction clutches characterized by an interposed pressure plate which is common to both clutches, a plurality of hydraulic cylinders containing axially movable pistons, certain of said pistons being operably connected with the pressure plate to move the same axially in one direction to engage one of the clutches, and the remaining pistons being operably connected with the pressure plate to move the same axially in the opposite direction through a neutral position to engage the other clutch, means for delivering fluid under pressure to said cylinders to operate either the pistons associated with one clutch or the pistons associated with the other clutch, a valve for controlling the delivery of the fluid to said cylinders, said valve serving to vent those cylinders in which the fluid under pressure is not being delivered, whereby to permit of the retraction of the pistons in those cylinders when the pistons in the other cylinders are moved by the fluid under pressure, and said valve serving to vent all of the cylinders when the valve is placed in its neutral position, and resiliently compressible open-work equalizers of uniform and predetermined expansibility located in the cylinders in contact with the pistons when the latter are in their intermediate or neutral positions, for returning the pistons to such positions and maintaining them there when the valve is placed in its neutral position.

2,485,689
MILK EVAPORATOR
Arnold W. Baumann, Chicago, Ill.
Application October 18, 1943, Serial No. 506,680
6 Claims. (Cl. 159—23)



5. In a milk evaporator, a cylindrical shell having a concave bottom and a side wall, a series of annular steam coils within the shell and extending adjacent the side wall in the lower portion thereof, said series of coils having a vertically extending central open space passing therethrough, a baffle plate within the shell and spaced a slight distance from the concave bottom thereof, a feed pipe having an outlet discharging into the space between the baffle plate and the bottom wall of the shell, said baffle plate being located below the central opening in said series of coils whereby to direct the inflow of milk radially outwardly and upwardly directly between and around said coils, and outlet means in the bottom of the shell coaxial with the discharge end of the feed pipe.

2,485,690
THERMOMETER CASE
Rudolf Beck, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application September 19, 1945, Serial No. 617,228
5 Claims. (Cl. 73—374)

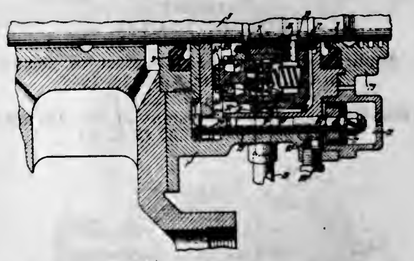


4. A thermometer case having a transparent front closure panel, said case comprising an elongate housing having therein a chamber for the reception of a scale and a liquid-containing glass tube, said chamber having a substantially rectangular front opening, the case having a channel bordering said opening, the front wall of the channel being a substantially plane surface constituting an abutment for the marginal portion of the transparent panel, said channel merging at the one end of the case with an entrance slot extending through the substance of the case and of such shape and dimension as to permit the introduction therethrough of the front closure panel, the slot being of the full transverse width of the casing, a closure member for the slot having spaced legs designed to close the opposite ends respectively of the slot, and a transverse portion designed to overlap the upper end of the transparent panel, and means for removably securing the closure member to the casing.

2,485,691
PRODUCTION OF EXTRUDED POLYTETRAFLUOROETHYLENE ARTICLES
Stephen Bernard Bogese, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1948, Serial No. 9,943
4 Claims. (Cl. 18—59)

1. A process for making polytetrafluoroethylene articles which comprises mixing finely divided unbaked polytetrafluoroethylene with finely divided polytetrafluoroethylene prebaked at a temperature of 300° C. to 500° C. in such proportions that the resulting mixture will contain from 25 percent to 95 percent by weight of said prebaked polytetrafluoroethylene; passing the said mixture through a die under compacting pressure, the said die having an internal contour of substantially the size and shape of the desired finished article; and baking the said polytetrafluoroethylene at a temperature between 327° C. and 500° C. until sintered.

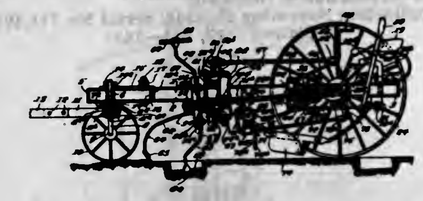
2,485,692
CONTROL VALVE
William E. Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 4, 1944, Serial No. 552,669
5 Claims. (Cl. 137—69)



1. A valve mechanism comprising a rotatably supported drive shaft having a fluid passage, a stationary housing mounted in fluid sealing engagement with said shaft, said housing having a fluid opening and enclosing a member secured to said shaft and having a fluid opening communicating with said shaft passage and the interior of said housing, a valve cage having an internal valve seat of tapered annular form, said cage being mounted in fluid tight relation in the fluid opening of said member, a valve stem supported for axial movement in said cage, said stem having a spherical end projecting outwardly of said cage and a flange intermediate the ends thereof, a replaceable head of non-metallic, elastic, deformable material on said valve stem, a collar on the inner end of said stem having an annular V-shaped groove in the outer face adapted to engage a complementary surface provided on the inner face of said valve stem head which is provided with a convex surface on the outer face, means on said stem for maintaining said deformable head under compression between said stem flange and said collar to cause said deformable valve

stem head to be normally held in fluid tight engagement with the periphery of said valve stem and the flange thereon, means in said member opening urging said collar outwardly thereof to also cause deformation and therefore fluid tight engagement of the convex surface of the valve stem head with the tapered seat of the valve cage and means movable axially with respect to said stem into engagement with a point on the outer spherical end of said stem located on the stem axis to move said deformable head inwardly off said cage seat.

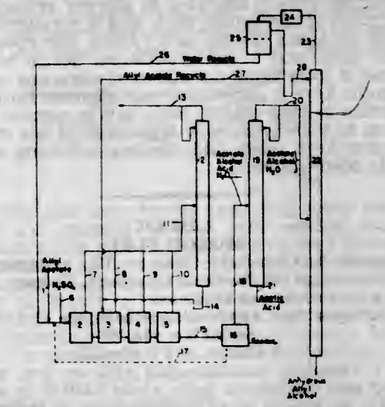
2,485,693
COTTON CHOPPER AND TOBACCO PATTER
Milton S. Brown, Warrenton, N. C., assignor of one-half to La Fayette L. Brown, Macon, N. C.
Application July 13, 1945, Serial No. 604,884
1 Claim. (Cl. 97—15)



In an agricultural machine, the combination of a vehicle frame, a pair of front wheels supporting said frame, a rear axle journalled on said frame, ground wheels secured to said axle for driving the same as the machine traverses the ground, a pair of concentric driving beveled gears secured to said rear axle, a longitudinal shaft, means pivoting said longitudinal shaft on said rear axle, a sleeve slidably mounted on said longitudinal shaft, a driven beveled gear fixed to said sleeve and adapted to mesh with either of said driving beveled gears, clutch means attached to said sleeve for shifting the same on said longitudinal shaft, a supporting plate fixed to the free end of said longitudinal shaft, a plurality of radial arms attached to said supporting plate, a plurality of bearing blocks spaced along and rotatably receiving said longitudinal shaft, curved channel-shaped frames on said vehicle frame slidably receiving and guiding said bearing blocks, respectively, each said curved channel-shaped frame having the center of curvature at said rear axle axis whereby said channel-shaped frames are concentrically arranged relative to said rear axle, a rotatable control rod extending lengthwise of said vehicle frame, a collar on said longitudinal shaft adjacent the free end thereof and means connecting said control rod with said collar whereby rotation of said control rod will raise or lower said longitudinal shaft about said rear axle.

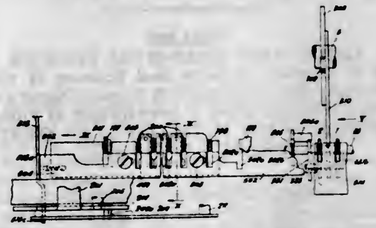
2,485,694
DISTILLATION OF ALLYL ALCOHOL FROM HYDROLYSIS PRODUCTS
Paul E. Burchfield, Grosse Ile, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application February 16, 1945, Serial No. 578,309
1 Claim. (Cl. 202—42)

In the process of making allyl alcohol from a mixture of allyl alcohol, allyl acetate, acetic acid, propionaldehyde, sulfuric acid and water, the steps which consist in stripping propionaldehyde, flash distilling to remove sulfuric acid, conducting the vapors from such flash distillation to a distilling column to remove acetic acid as bottom stream, introducing the remaining allyl acetate, allyl alcohol and water mixture from said column to a second distilling column, removing allyl acetate and water from the top of said second column and anhydrous allyl alcohol from



the bottom thereof, condensing the allyl acetate and water vapors from the top of said second column, separating excess water from the so formed condensate, dividing the allyl acetate of said condensate into two portions, and recycling one of said portions to said second column.

2,485,695
KEY INTERLOCK
Bengt Carlstrom and Erik Grip, Atvidaberg, Sweden, assignors to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden
Application April 27, 1944, Serial No. 532,961
In Sweden November 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 30, 1962
9 Claims. (Cl. 235—130)



1. In a power operated multiplying machine rotatable in two directions under the control of two motor keys one for each direction of rotation and having a register, in combination, a locking member cooperating with said motor keys to prevent the simultaneous manipulation thereof, numeral keys for setting items, shifting keys, members kinematically connected with said numeral, motor and shifting keys, a slotted slidable locking bar movable into the paths of motion of said members kinematically connected with said numeral, motor and shifting keys and normally held out of said paths, said locking bar having an oblique edge in the path of motion of said members kinematically connected with said motor keys to cause slidable displacement of the locking bar by depression of either motor key and thereby prevent said numeral and shifting keys

from being depressed when one of said motor keys is depressed, said slidable locking bar being held in normal position by said members kinematically connected to said numeral and shifting keys when one of said numeral keys or said shifting keys is operated to thereby prevent operation of the motor keys, and a register clearing initiating device, said locking bar cooperating with said clearing initiating device to prevent it from being manipulated when one of said motor keys is depressed, said clearing initiating device locking said slidable bar in normal position to thereby prevent depression of one of said motor keys when said clearing initiating device has been operated.

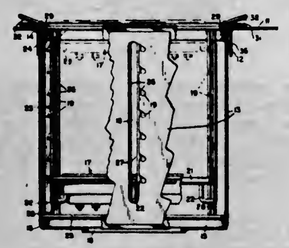
2,485,696
MOTOR FUEL
Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 26, 1945, Serial No. 618,799
3 Claims. (Cl. 44—75)

1. Gasoline contaminated with an iron impurity and containing from about 0.001% to about 0.1% by weight of an aminophenol oxidation inhibitor and from about 0.001% to about 1% by weight of an ortho-nitroso-phenol.

2,485,697
PREPARATION OF ARSENIC TRICHLORIDE
Joseph A. Chenicek, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 22, 1946, Serial No. 656,499
3 Claims. (Cl. 23—98)

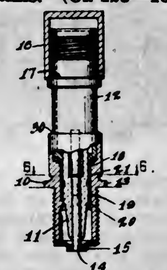
3. A process for preparing arsenic trichloride and organic arsenic compound from an aluminum chloride-hydrocarbon complex which comprises reacting said complex with arsenic trioxide, and recovering said arsenic trichloride and organic arsenic compound from the reaction products.

2,485,698
ADJUSTABLE DEEP-WELL COOKER
Cecil E. Chesser, Hebron, and Truman H. Cline, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application July 24, 1946, Serial No. 686,010
7 Claims. (Cl. 219—37)



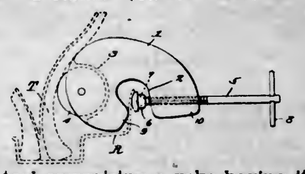
1. In an adjustable level surface heater for cooking ranges, an outermost cylindrical jacket supported in total submergence from the table top of a range and having a plurality of vertical slots equally spaced circumferentially, each slot having a series of laterally extending ledge supports in communication therewith, a heating unit, a cylinder-like member nested within said jacket and surrounding said heating unit including manipulation means disposed at said table top surface, a support for said heating unit including extremities extending into said vertical slots and receivable upon said ledge supports, said extremities being engageable by said cylinder-like member whereby to be lifted to different levels and rotated into engagement with said ledge supports, said cylinder-like member including portions having vertical clearance about their engagements with said support extremities so as to be submergible after each variable level placement of said heating unit and its said support.

2,485,699
SHIELDED SPARK PLUG
Robert K. Christie, Toledo, Ohio, assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application November 22, 1946, Serial No. 711,497
2 Claims. (Cl. 123—169)



1. In a spark plug of the type described, a shell having an internal shoulder, a core received in said shell and having a circumferential groove, a locking sleeve for uniting said shell and core comprising an initially substantially cylindrical body of malleable metal seated on said shoulder and having a circumferential weakening groove in one of its surfaces adjacent the groove in said core, and means actuated by external pressure to deform said locking ring in such a manner that the shell and core are functionally united and a portion of the metal of the ring flows into the groove in said core.

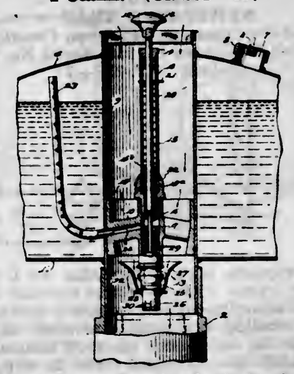
2,485,700
TOOL FOR FORCING RESILIENT TIRE BEADS INTO THE DROP CENTER OF A WHEEL RIM
Milford Marcuise Cook, Visalia, Calif.
Application March 7, 1945, Serial No. 581,442
1 Claim. (Cl. 157—1.17)



A tire tool comprising a yoke having its outer side curvingly bulged to define a cam surface adjacent one end, said end being proportioned for insertion between a wheel rim flange and a loosened tire to be removed, the yoke having a recess formed in its inner side proportioned to receive the rim flange loosely, an antifriction roller journaled within the yoke and projecting outwardly therefrom, said roller being disposed close to the cam surface and between the cam surface

and the inserted end of the yoke, the roller being mounted to move radially of a tire engageable thereby as said yoke is swung about said rim flange, thus to bring the roller and cam face successively against the tire side wall to press it inwardly away from the rim flange, and a screw adjustably mounted in the other end of the yoke and having its inner end projecting into the recess whereby to tighten the yoke to the rim flange, the outer end of the screw being extended outwardly from the yoke to provide a lever.

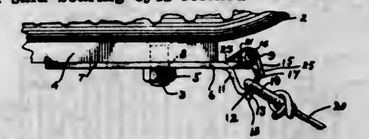
2,485,701
EMERGENCY FUEL TANK
Adolph N. Cristofani and James R. Rago, Melrose Park, Ill.
Application March 10, 1947, Serial No. 733,502
1 Claim. (Cl. 261—69)



An emergency fuel tank adapted to be mounted on the air intake side of a carburetor of an internal combustion engine, comprising a tank having a throat centrally and vertically disposed through said tank, an outlet neck extending from the bottom of said throat adapted to be mounted on the air intake side of the careburetor, a bracket centrally disposed in said throat and affixed to the inside wall of said tank, said bracket having a hollow central section and a hollow side arm opening into the side wall of said tank for conducting fuel contained in the enclosed emergency tank to the hollow central section, a perforated tube extending upwardly in the body of fuel in said tank and connected at its bottom end to said hollow side arm, a vertical tube connected to and extending upwardly from said hollow central section, a movable vertical shaft disposed inside said vertical tube, a tapered pin connected to the lower end of said shaft, a movable valve seat on which said pin rests, a knob at the top of said vertical shaft for manually disengaging said pin from said valve seat, spring means in said vertical tube for retaining said shaft in normal closed position, spring means beneath said movable valve seat for retaining it in normal closed position, an atomizer connected to the bottom of said movable valve seat, and an air catch connected to said movable valve seat adapted to move said movable valve seat in response to the air flow through said throat.

2,485,702
TRIP ROPE HOLDER
Donald F. Christoffer, Spirit Lake, Iowa
Application January 7, 1946, Serial No. 639,687
1 Claim. (Cl. 280—150)

A trip rope holder comprising a longitudinally extending body plate bifurcated at its rear end to form transversely extending spaced aligned bearing eyes and a centrally disposed depending finger having a substantially vertical stop shoulder on its lower end, a pivot pin extending between said aligned bearing eyes, a depending rearwardly extending trip rope ring supporting finger pivotally supported upon said pivot pin between said bearing eyes formed with an angled



forwardly and downwardly extending lower terminal end adapted to abut said vertical stop shoulder, a trip rope having a ring secured thereto supported by said trip rope ring supporting finger, and resilient tensioning means on said pivot pin anchored to the bifurcated ends of said body plate and engageable with said trip rope ring supporting finger for resiliently urging the same into engagement with said stop shoulder.

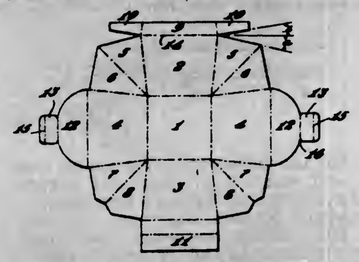
2,485,703
LIVESTOCK TOOL
Donald F. Christoffer, Spirit Lake, Iowa
Application June 23, 1947, Serial No. 756,507
7 Claims. (Cl. 119—153)

1. A tool for catching and holding livestock including an inverted U-shape body having depending spaced arms with lower ends, a pivot bolt extending between the lower ends of said arms, crossed arcuate clamp arms having upper and lower ends and pivotally mounted on said depending arms, said crossed arcuate clamp arms being pivotally mounted on said pivot bolt, a detachable cable loop with ends and slidable through the lower ends of said arcuate clamp arms said cable loop having its ends secured to the upper ends of the clamp arms, a supporting handle attached to said body, and a looped operating handle slidably supported on said body having depending operating rods connected with the upper ends of said clamp arms for selectively closing and opening said cable loop.

2,485,704
FOLDED BLANK CUP
Harold B. Cranshaw, Newton, Mass., assignor to Burnitol Manufacturing Co., Charlestown, Mass., a corporation of Maine
Application October 5, 1944, Serial No. 557,245
1 Claim. (Cl. 229—24)

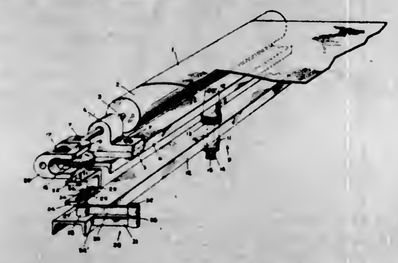
A paper cup of the type having a bottom, out-

wardly flaring sides, and corner gussets folded outwardly along the outside of two opposite sides, a flange integral with the upper edge of a third side and folded inwardly, the flange having integral arms tapering toward their free ends extending laterally between the folds of the adjacent gussets, said opposite sides having integral



extensions adapted to fold over and then under said gussets to hold the gussets in said folded position, and the upper edges of said arms projecting above the upper edges of the gussets when the gussets are in said folded position, whereby when said extensions are folded as aforesaid they press the arms downwardly to hold said flange firmly against the inside of the cup.

2,485,705
LAPPING DEVICE
Cyril M. Croft, Alvin W. Bergeron, and Frederick G. Dodge, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application May 23, 1946, Serial No. 671,762
3 Claims. (Cl. 271—2.1)



1. In a device for winding fabrics on to a driven take-up roll, means for shifting the fabric laterally during the winding thereof comprising a guide roll movable by the moving fabric, a shaft for said guide roll, bearings for journaling said shaft, a support for said bearings, a pivot intermediate said bearings on which said support is mounted, and means actuated by the rotation of said guide roll for rocking said support and guide roll in a horizontal plane, said latter means including a worm fixed to and rotatable with said shaft, a worm gear meshing with said worm and an eccentric link operably connected to said worm gear.

2,485,706
PROTECTOR FOR SHOES AND BOOTS
Alvis L. Cruise, Marshfield, Mo.
Application September 17, 1947, Serial No. 774,534
1 Claim. (Cl. 36—72)

A guard for shoes or boots comprising a wear plate having an arcuate outer edge, countersunken fastener receiving apertures provided in said plate, and an arcuate flange integrally formed at the arcuate outer edge of said plate placeable against the inner edge of a sole midway between the heel and toe of a boot, said



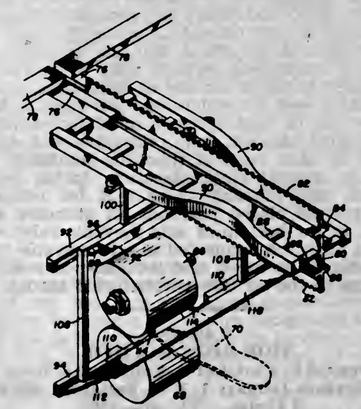
flange being of a width equal to the thickness of the sole, said plate having a pair of spaced concaved recesses in its lower face forming gripping surfaces.

2,485,707
NEWSPAPER TRAP
George Edwin Cummins, Maricopa County, Ariz.
Application December 1, 1948, Serial No. 62,955
4 Claims. (Cl. 232—1)



1. A newspaper trap, comprising an L shaped supporting frame, with a vertical member thereof adapted to attachment to a support, and an outwardly extending horizontal member having a detent near its outer end, an arch shaped cover frame hinged at the inner end to supporting frame at the angle bend between said L shaped frame members, an inwardly arched trigger hinged at its upper end to the outer end of said cover frame and adapted to depend from said cover frame and engage said detent when said cover frame is in raised position, and a rectangular cover having an arched top to provide a cavity on its under side secured to said cover frame.

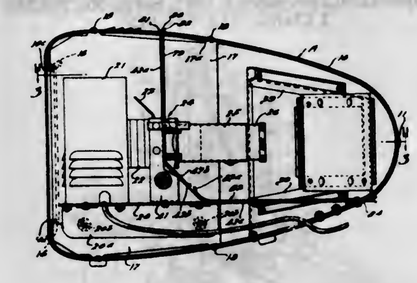
2,485,708
SHOE SOLE SHANK TRIMMER
Lester E. Dame, Concord, N. H.
Application August 2, 1948, Serial No. 42,088
8 Claims. (Cl. 12—17)



1. In a shoe sole trimmer, a pair of feed rolls for moving a shoe sole longitudinally, a pair of

transversely movable knives on opposite sides of the longitudinal path of movement of a shoe sole, a movable pattern for controlling the movement of said knives and actuating means for moving said pattern and for operating said feed rolls.

2,485,709
FILM AND SLIDE PROJECTOR MECHANISM HAVING UNITARY CABINET MEANS AND SCREEN
Alfred M. Davock, Birmingham, Mich., assignor to The Jam Handy Organization, Inc., Detroit, Mich., a corporation of Delaware
Application November 4, 1946, Serial No. 707,657
9 Claims. (Cl. 88—24)

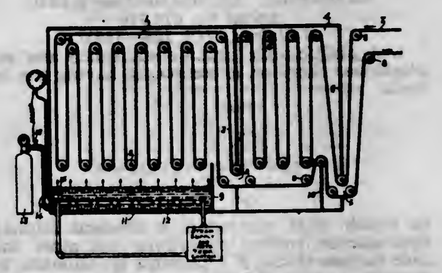


1. A projector unit comprising a casing having enclosing walls including upright side walls and a front upright wall, the latter being provided with a generally rectangular opening occupying the major width of the front wall having its center offset with respect to the center of the front wall toward one side wall, a fixed translucent viewing screen arranged in said front wall opening, a vertical partition within said casing extending substantially from said front wall toward the rear of the casing and forming with the adjacent side wall a projector compartment, a projector in said compartment including a light source disposed adjacent the front wall of the compartment and a projector lens in rear thereof for directing light rays toward the rear of the casing, and vertically extending angularly related reflecting surfaces within the casing for projecting light rays from the projector onto the inner surface of said screen, said reflecting surfaces being horizontally opposed with one surface positioned directly in rear of the projector lens and the other surface positioned directly in rear of said screen.

2,485,710
PROCESS AND APPARATUS FOR CONTINUOUSLY NEUTRALIZING DRY ACID CLOTH
Roland E. Derby, Lowell, Mass., assignor, by mesne assignments, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware
Application March 3, 1945, Serial No. 580,902
11 Claims. (Cl. 8—149.3)

1. The process of continuously neutralizing dry acid cloth which consists in causing the cloth continuously to travel through a chamber, continuously supplying to the chamber ammonia gas and water vapor, and in correlating the amount of acid in the cloth while in the chamber and the amount and proportions of the gas and water vapor continuously supplied to the chamber to effect the neutralization of the acid in the cloth as it passes through the chamber.

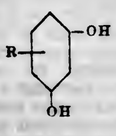
11. An apparatus for continuously neutralizing dry acid cloth comprising a neutralizing chamber through which the cloth travels and is subjected therein to an acid neutralizing gas, a safeguard chamber through which the cloth passes in its travel both into and out of the neutralizing chamber and into which any excess gas is discharged from the neutralizing



chamber, and means for continuously supplying to the neutralizing chamber the acid neutralizing gas in excess of that required to neutralize the acid in the cloth within the neutralizing chamber, but insufficient to neutralize the acid in the cloth within the safeguard chamber thereby to prevent any discharge of the neutralizing gas from the apparatus.

2,485,711
PHENOL ALDEHYDE RESINS
George L. Doelling, St. Louis, and Kenneth H. Adams, Fenton, Mo., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo., a corporation of Missouri
No Drawing. Application October 10, 1945, Serial No. 621,616
22 Claims. (Cl. 260—54)

1. A heat-hardened substantially insoluble resin comprising the product of reaction under alkaline conditions of a non-heat-hardening resin, consisting essentially of ether linkages, and an aldehyde, said non-heat-hardening resin comprising the product of reaction under alkaline conditions in approximately equimolecular proportions of a 1,3-dihydric mono-nuclear phenol and an aliphatic dihalide free of ester groups whose halogen atoms are attached to different carbon atoms which are in turn joined to other atoms by single bonds only, said dihalide containing not more than about six carbon atoms, being free of other reactive groups and containing no other elements than those chosen from the group consisting of halogen, carbon, hydrogen and oxygen, said non-heat-hardening resin having a molecular weight of not substantially less than 500 nor more than 2000, said phenol having the following formula:



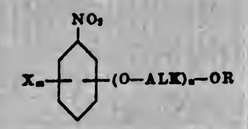
in which R is a radical selected from the group consisting of hydrogen, acyl and alkyl radicals containing not more than approximately six carbon atoms.

2,485,712
NITROPHENYLOXYPOLYALKOXYALKYL ETHER AND A COMPOSITION OF IT AND A PLASTICIZABLE ORGANIC SUBSTANCE

George L. Doelling, St. Louis, and Kenneth H. Adams, Fenton, Mo., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo., a corporation of Missouri

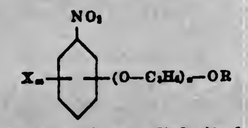
No Drawing. Application June 6, 1946, Serial No. 674,936
6 Claims. (Cl. 106—188)

1. A plasticizable organic substance and as a plasticizer therefor, a compound having the formula:



in which ALK represents a divalent aliphatic hydrocarbon radical containing not more than four carbon atoms, R represents an aliphatic hydrocarbon radical containing not more than eight carbon atoms, X represents a halogen selected from the group consisting of chlorine and bromine, *n* represents a small whole number greater than one, *m* represents a small whole number including zero and not greater than four.

5. A compound having the formula:

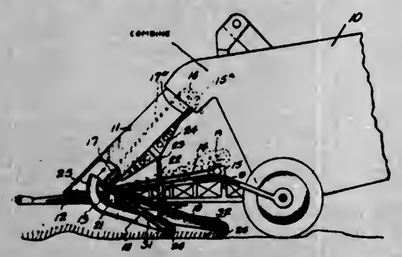


in which R represents an aliphatic hydrocarbon radical containing not more than eight carbon atoms, X represents a halogen selected from the group consisting of chlorine and bromine, *n* represents a small whole number greater than one, *m* represents a small whole number including zero and not greater than four.

2,485,713
SEED HARVESTER

Erith M. Dowd, Lakin, Kans.

Application September 14, 1945, Serial No. 616,209
4 Claims. (Cl. 56—23)

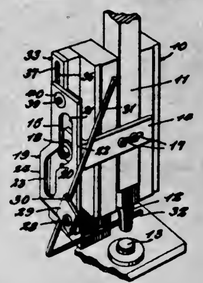


1. In combination with a conveyor platform having a lower intake open end, a trailing hollow harvester unit hinged for vertical swinging movement near its forward end and attached near the lower intake open end of the conveyor platform, a conveyor element extending longitudinally of the conveyor platform and having a lower end extending to the intake open end of the platform, said hollow harvester unit having a forward upturned open discharge spout extending into the intake lower end of the conveyor platform, said spout overlying the lower end of said conveyor element for delivering material from the spout to the lower end of the conveyor element, said hollow harvester unit having a rear end defining a depending cutter head provided with a forwardly facing opening, and a combined fan and sickle member rotatably mounted in said head for beating grain, seed and the like, into the head and for blowing the grain seed and the like forwardly through the harvester unit, upwardly out of the spout and onto the lower end of the conveyor element.

2,485,714
SAFETY DEVICE FOR STAMPING PRESSES AND THE LIKE

Louis R. Dunbar, New Britain, Conn.

Application December 3, 1947, Serial No. 789,369
1 Claim. (Cl. 74—615)

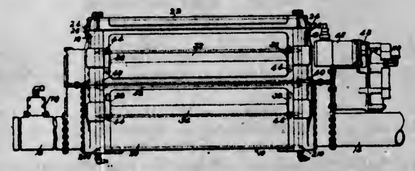


A safety device for stamping presses and the like, comprising a hanger bracket having a vertically disposed slot for reception of a fastening bolt for securement to the side of the head of a press, said hanger bracket further having a right angularly disposed slotted extension, a headed bolt adjustably secured in said slotted extension and having a shank extended outwardly therefrom, an elongated body member swingably mounted on said shank, said body member having an ogee slot formed therein, straight portions of the slot extending in vertical planes and connected by a rearwardly extending portion, a laterally adjustable drive bar connected to the reciprocating member of the press, said drive bar having rearward extension parallel to the side of the press head, a roller carried by said extension and disposed within the ogee slot, and a sweep arm carried by the body member having a right angular extension adapted to pass between the reciprocating pressure member and a cooperating pressure member.

2,485,715
ROCKET LAUNCHING APPARATUS

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application November 3, 1947, Serial No. 783,716
9 Claims. (Cl. 89—1.7)

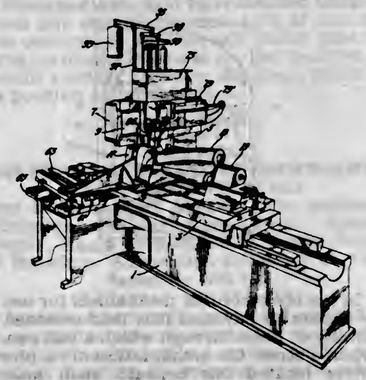


1. In a rocket launching apparatus including a firing tube and a magazine for a plurality of rocket carrying tubes, the combination with means for indexing the rocket carrying tubes in the magazine from a loading position to a firing position in register with the firing tube, and means for firing a rocket from the firing position, of means rendered operative by the rocket passing through the firing tube upon firing to effect automatic indexing and firing of a succeeding rocket.

2,485,716
AUTOMATIC TEMPLATE CONTROLLED MACHINE TOOL

Otto H. Eberlein, Lakewood, and Leo L. Young, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 5, 1945, Serial No. 626,704
10 Claims. (Cl. 90—24.3)



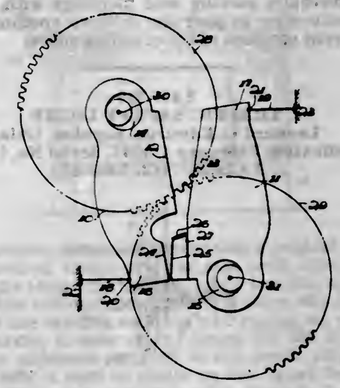
9. A machine tool having a bed, a table reciprocating thereon, a cutting tool adjustable relative to the bed in a plane at an angle to the reciprocating movement of said table, template controlled means for adjusting said cutting tool, an oscillatable work supporting means on said table, a sine bar on said bed, sine bar follower means on said table including a two-way hydraulic antiback lash mechanism having one element operatively connected to said support to cause oscillation thereof in phase with said table, control means for said mechanism comprising a sine template on said bed, and a template tracer valve for said mechanism supported on said element thereof, and control means operable only upon reversal of said table to render said template controlled tool adjusting means operative.

2,485,717
JAW CRUSHER, COMPOUND MOVEMENT

Amos R. Ebersol, Lancaster, Pa.

Original application June 16, 1942, Serial No. 447,258. Divided and this application April 12, 1945, Serial No. 587,848
10 Claims. (Cl. 241—78)

3. In a crusher, the combination of cooperating first and second crusher jaws having opposed crushing faces positioned to provide a path for the flow of material therebetween, eccentric driving means operatively connected with and cooperating only with the relatively opposite ends of the respective jaws to move the adjacent portions of the respective jaw faces in closed curved paths, said eccentric means cooperating with said jaws to move the jaw faces thereof in the direction of material flow by an amount which is substantially equal to the amount said faces are moved toward and away from each other by said eccentric means, means cooperating with the respective jaws to effect bodily movement of the portions thereof which are relatively remote from their associated eccentric means in directions lengthwise of their crushing faces along approximately straight lines, and means for driving said eccentric means.

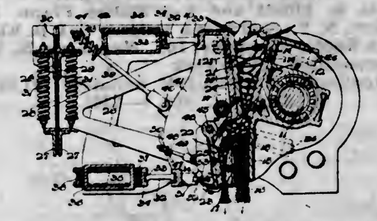


6. In a crusher, the combination of cooperating first and second crusher jaws having opposed crushing faces positioned to provide a path for the flow of material therebetween, eccentric driving means associated with the relatively opposite ends of said jaws and control means associated with each jaw adjacent the driving means associated with the other jaw to effect movement of the jaw face associated with and adjacent to each control means to one along a relatively flat arc, said eccentric means cooperating with said jaws to move the jaw faces substantially simultaneously toward and substantially simultaneously away from each other and to move the jaw faces bodily in the direction of their length by an amount approximately equal to their relative approach and recession, and means for driving said eccentric means substantially in synchronism.

2,485,718
PLURAL STAGE JAW CRUSHER, INCLUDING INDEPENDENT MEANS FOR ADJUSTING THE DISCHARGE GAP OF EACH STAGE

Amos R. Ebersol, Lancaster, Pa.

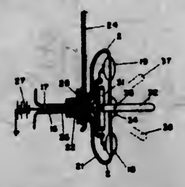
Application November 1, 1945, Serial No. 626,061
15 Claims. (Cl. 241—164)



12. In a crusher, in combination with a supporting frame, cooperating first and second crusher jaws having opposed crushing faces positioned to provide a path for the flow of material therebetween, and means for driving said jaws to produce relative approach and recession, a movable jaw having its crushing face divided into upper and lower jaw sections, the upper and lower sections of said last-named jaw having

their crushing faces respectively subdivided into a plurality of crushing portions in side by side arrangement, pivotally mounted members carried by said last named jaw and each in turn carrying one of said portions of the crushing face of said jaw, and separately and independently adjustable means carried by said last named jaw and cooperating with said members for severally moving said members with respect to each other to alter the delivery openings from different portions of the crushing space.

2,485,719
TRAFFIC SAFETY LIGHT
Leonard C. Edwards, Sapulpa, Okla.
Application February 4, 1947, Serial No. 726,376
1 Claim. (Cl. 200—59)



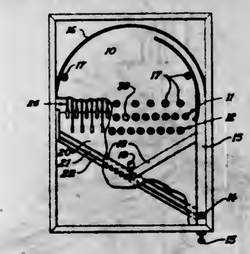
In a pilot light for motor vehicle signals, the combination which comprises an elongated vertically disposed casing having upper and lower lights therein and having means thereon for mounting the casing on an instrument panel of a motor vehicle, said casing having a slot in the face thereof positioned between the said lights, a pair of contacts positioned in the casing with one contact of one of said pairs connected to a terminal of one of the lights of the casing and with a contact of the other of said pairs connected to a terminal of the other of said lights, means connecting the other contacts of each of said pairs of contacts to a battery with the other contact of the battery ground to the casing and one contact of each of said lights grounded to the casing, a lever extended through the slot in the face of the casing and pivotally mounted in the casing, and a contact bar carried by the inner end of the lever and positioned to bridge either of said pairs of contacts alternately for completing circuits to the said upper and lower lights of the casing alternately.

2,485,720
PAD FOR SHOULDER STRAPS
Gusta B. Elliott and Nell Moline Pfann, New York, N. Y.; said Pfann assignor to I. B. Kleinert Rubber Company, Inc., New York, N. Y., a corporation of New York
Application April 17, 1947, Serial No. 741,980
3 Claims. (Cl. 2—336)



1. A pad for shoulder straps of a garment or article of wearing apparel formed of two layers of fabric material secured together by an adhesive and having a pair of transversely-extending spaced slits therethrough positioned adjacent each end thereof, the fabric material between said slits being cut longitudinally to form tabs adapted to releasably hold the shoulder strap in place on the upper surface of the pad, the straps extending longitudinally of the pad and through said slits, and being movable with respect to the surface of the pad to facilitate the attachment and removal of the strap to and from the pad.

2,485,721
GAME APPARATUS
Vincent C. Engstrom, South Gate, Calif., assignor to Arthur Loeff, Long Beach, Calif.
Application September 23, 1946, Serial No. 698,719
12 Claims. (Cl. 200—52)



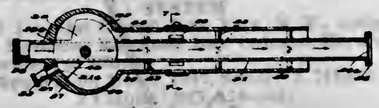
2. In a score recording mechanism for use with game apparatus having a play field provided with a plurality of holes through which a ball can drop to obtain a score, the combination of: a plurality of levers located one beneath each hole and adapted to be tilted by a ball dropped through the hole; electric switch means associated with each lever and adapted to be closed by the associated lever when in tilted position; a bar engageable with each lever of a predetermined group of levers when in normal position and disengaged therefrom when each lever of the group is in tilted position; means moving the bar when disengaged by all levers in said group; a second electric switch means adapted to be closed by said movement of the bar; means holding each lever in tilted position; and means for returning the bar and the lever to normal positions.

2,485,722
CRYSTAL
Wesley S. Erwin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 31, 1945, Serial No. 575,387
3 Claims. (Cl. 171—327)



1. A piezo-electric crystal to impart mechanical vibration to a load said crystal being constructed with tapering width and thickness dimensions to suppress the formation of width and thickness modes to produce a substantially non-resonant transducer.

2,485,723
FIRE-FIGHTING APPARATUS
Nicholas A. Fitzgerald, St. Paul, Minn., assignor to Chester A. Fitzgerald, St. Paul, Minn.
Application October 7, 1946, Serial No. 701,763
20 Claims. (Cl. 169—14)

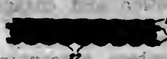


3. Fire fighting apparatus comprising concentric nozzle members, a valve housing connected to said nozzle members and having inlets for water and foam liquid, fog producing means associated with said nozzle, and a movable valve member associated with said nozzle member and having at least three positions, said valve member being constructed and arranged to close both of said inlets in one position, to connect said water inlet with said fog producing means in another position, and to permit mixture of water and foam liquid in a third position to provide foam.

2,485,724
METHOD OF MAKING LIGHTWEIGHT CELLULAR MATERIALS
Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application December 31, 1945, Serial No. 636,495
10 Claims. (Cl. 12—47.5)

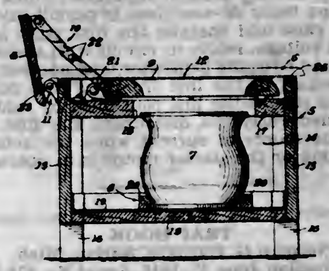
1. A method of forming a bloated cellular body from a natural mineral consisting essentially of silica, alumina and alkali metal oxides which comprises grinding the mineral to non-coherent pulverulent state, uniformly admixing with the powder a small amount of pulverulent carbon and an oxygen generating agent adapted to react with the carbon to form gases, increasing the temperature of the mixture while it is enclosed in a suitable mold until it sinters and coheres and the carbon and the oxygen generating agent react to produce gases whereby to bloat the sintered mass, then slowly annealing the mass to a temperature below the critical value.

2,485,725
COATED ELASTIC FABRIC
Carleton S. Francis, Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 22, 1944, Serial No. 541,548
6 Claims. (Cl. 154—48)



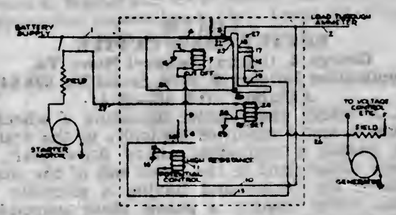
1. As an article of manufacture, an elastic textile fabric having a non-self-sustaining continuous film of a thermoplastic elastomer thermally bonded to superficial portions of at least one surface of the fabric in such a manner that the points of crossing of the yarns in said fabric and the remainder of the fabric except for said superficial points are free of the film material, whereby the fabric is free to expand and to contract, said surface film having a thickness of not over .002" and being adapted to follow the movements of said fabric without rupture or separation therefrom.

2,485,726
PORTABLE COMMODE
Simeon C. Fulcher, Los Angeles, Calif.
Application September 12, 1946, Serial No. 696,490
1 Claim. (Cl. 4—135)



A portable commode comprising a cabinet having a bottom, front, rear and side walls extending upwardly from said bottom, and a top wall spaced above the bottom and positioned below the upper edge of the cabinet, said top wall having an opening therein; a water-proof lining for the bottom and for adjacent portions of the front, side and rear walls; a nest of cleats on the upper face of the bottom and centered with respect to said opening; said nest of cleats being adapted to position a conventional slop jar that has a top rim extending into said opening; a cover member hingedly connected to the rear wall of the cabinet; spring means embodied in the hinge connection for normally urging the cover member to assume a position in contact with and overstanding the upper edge of the cabinet, foldable link means extending from the side walls above the top wall and to the cover member for maintaining said cover member open against the force of the spring means, a resilient gasket along the mentioned upper edge of the cabinet and affixed thereto for sealing engagement with the cover member; and a toilet seat hinged to the top of the top wall and residing in the space defined by said top wall and the upper edge of the cabinet, said seat having an opening that is smaller than both the opening in the top wall and the rim of the slop jar.

2,485,727
PROTECTIVE DEVICE FOR AUTOMOTIVE ELECTRIC CIRCUIT
Harold Gallina, Belleville, N. J.
Application March 7, 1945, Serial No. 581,413
2 Claims. (Cl. 171—97)



2. An ignition and starting system for an internal combustion engine comprising a battery, a starter motor connected to the battery, a generator, a load, a line connecting the load to the battery, a movable contact in the line, a relay controlling said contact, a connection from the relay to the line on the load side of the movable

contact, a movable contact in said connection, a second relay controlling said movable contact, said second relay being connected to the load side of the line to maintain said second contact open and the first relay de-energized when the voltage from the battery is above a predetermined minimum and being de-energized to permit said contact to close and energize the first relay upon a drop in voltage, relays in circuit with the starter motor and with the generator, and another movable contact in the line from the first relay to the load side of the line controlled by said last-mentioned relays to disconnect the first relay from the source of current when the generator is running or the starter motor is in operation.

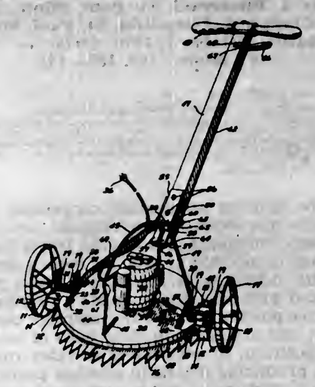
2,485,728
TRAP HOOK
Norman G. Gardner, Adrian, Mich.
Application June 27, 1946, Serial No. 679,815
3 Claims. (Cl. 43—36)



1. A trap-hook of the kind described, comprising a springy spreading frame having arms, hooks fixed to the arms, eyes on the upper ends of the hooks, keepers on the lower ends of the arms adjacent the eyes of the hooks, a latching member engageable with the keepers to hold the frame against spreading the arms for the separation of the hooks, pull means for releasing the latching member from the keepers to permit the hooks to separate from each other, and flexible connections separate from said frame extending between said hooks and said pull means.

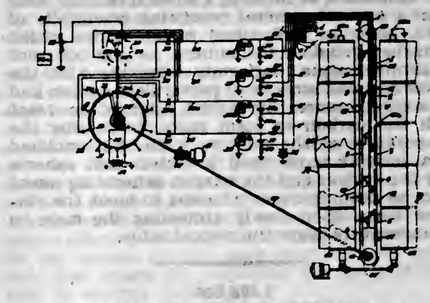
2,485,729
ROTARY GRASS CUTTER
George A. Gentry, Newport News, Va.
Application January 3, 1946, Serial No. 638,843
3 Claims. (Cl. 56—25.4)

1. A rotary grass cutter including a wheeled frame, a motor mounted centrally of the frame and having a depending rotary drive shaft, a rotary cutter fixed to the lower end of the shaft beneath the frame and having a plurality of radial cutter blades, a guard plate suspended from the frame outwardly of the rotary cutter, said guard plate having teeth at diametrically opposite edges thereof outwardly of the ends of the cutter blades, a movable guard mounted on the frame and adapted to be projected to cover the teeth at one of said edges and to expose the teeth at the other of said edges, and a handle swingably mounted on the frame and connected to the guard to shift the guard when the handle is swung from a side of the frame adjacent one



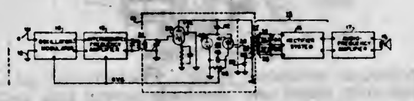
of said edges to a side adjacent the other of said edges.

2,485,730
RECORDING APPARATUS FOR TELEMETRIC SYSTEMS
Harvey D. Giffen, Theodore, Ala., and Thomas B. Thomson, Jr., San Diego, Calif., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application August 14, 1944, Serial No. 549,441
20 Claims. (346—33)



1. A recording apparatus for a telemetering system comprising, in combination, means for supporting and advancing a plurality of record sheets, means for supporting marking devices and continuously advancing said devices at a uniform rate transversely of said record sheets, a marking device energizing member adjacent each record sheet position and engageable by the marking devices as they pass across an associated sheet, a signal measuring circuit connected to each of said members, a scanning switch for distributing the incoming signals in continuous rotation to said measuring circuits, each of said measuring circuits comprising a discharge tube having a control grid, means for supplying to said grid a negative bias proportional to the magnitude of the signal, means for producing a positive potential increasing proportionally to the movement of said marking devices from one end to the other of said energizing member, said positive potential being arranged to oppose said negative grid bias whereby, after a time interval, depending upon the magnitude of the signal, the negative grid bias is overcome and said tube is made conducting, and means operable when the tube is made conducting to cause a marking device to mark the corresponding record sheet to indicate the magnitude of said signal.

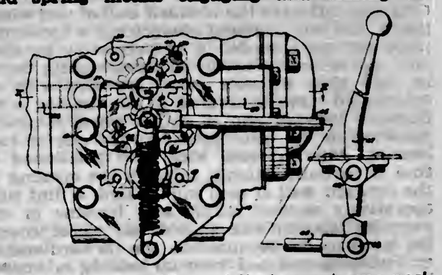
2,485,731
WAVE-SIGNAL AMPLITUDE-LIMITING SYSTEM
Wolf Joachim Gruen, New York, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 2, 1947, Serial No. 745,619
9 Claims. (Cl. 178—44)



1. A system for removing the undesired amplitude modulation of a frequency-modulated wave signal comprising: a frequency-modulation wave-signal translating channel including a parallel-resonant circuit substantially resonant at the center frequency of the pass band of said channel and having much less than critical damping; a pair of rectifier devices and at least one pair of condensers connected to provide two series circuits each including an individual one of said rectifier devices and effectively including at least one of said condensers, each of said series circuits being coupled effectively in parallel with said resonant circuit with the conductive direction of one of said series circuits opposite to that of the other and each of said series circuits having in the conductive direction thereof at said frequency an impedance much less than the impedance of said resonant circuit; and at least one resistor effectively connected in parallel with at least one of said condensers and having a value of resistance much greater said conductive-direction impedance of either of said series circuits to effect peak rectification of each wave-signal half cycle yet sufficiently small relative to said resonant-circuit impedance to cause by loading said rectifier devices an average conductance providing a substantial part of the total damping of said resonant circuit but much less than critical damping thereof; the condenser of each of said parallel-connected condensers and resistors having a valve to provide with the resistor in parallel therewith a time constant both greater than the greatest radian period of the amplitude modulation to be removed from a wave signal translated by said channel and greater than the greatest radian period of the frequency modulation of the translated wave signal, whereby the bias potential developed across said each parallel-connected condenser and resistor by rectification varies with the average amplitude of said translated wave signal to vary the amplitude level about which amplitude modulation is removed.

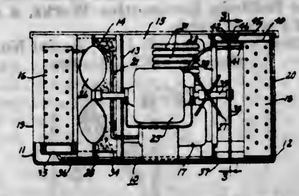
2,485,732
GEARSHIFT CONTROL
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application June 3, 1946, Serial No. 674,024
3 Claims. (Cl. 74—473)

1. A gear shift control comprising a reciprocal shifting fork operable to engage different gears by movement in opposite directions, a pinion gear adjacent the fork, an eccentric pin carried by the pinion gear and engageable with the fork to impart shifting movement thereto, a gear quadrant meshing with the pinion gear, manually actuated means for imparting swinging movement to the quadrant for rotating the pinion gear, and spring means engaging and biasing the



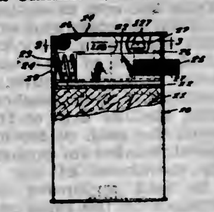
quadrant toward either of its two extreme positions.

2,485,733
AIR CONDITIONER HAVING CONDENSATE REMOVAL MEANS
Edward L. Hart, Abington, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 24, 1946, Serial No. 718,223
8 Claims. (Cl. 62—140)



1. In an air conditioning unit, a refrigerating system including an evaporator and a condenser, means providing for circulation of air in heat exchange relationship with the evaporator to cool the air and to remove moisture therefrom, sump means located under said condenser and adapted to receive condensate resulting from the moisture removal, a pan-and-baffle structure above the condenser, and a wheel-like member mounted for rotation between said sump means and said structure and adapted to hurl condensate from the sump means against the baffle for conveyance to the pan, the latter having means adapted to cause condensate to drip over and in heat exchange relationship with the condenser.

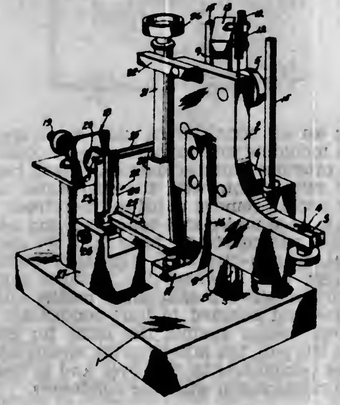
2,485,734
CIGARETTE LIGHTER
Frank E. Hutter and Alois Quirin, New York, N. Y.
Application September 9, 1947, Serial No. 773,064
2 Claims. (Cl. 67—7.1)



1. In a cigarette lighter including a casing having a vertically disposed windguard surrrounding the top thereof forming an enclosure with an open top, a normally open cover pivotally mounted on the rear wall of said wind-guard for

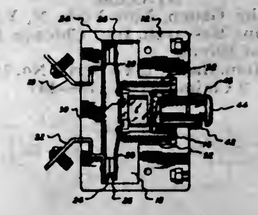
closing the top of said enclosure, the forward wall of said wind-guard having an opening therethrough, and a wick operatively mounted in said enclosure adjacent the forward wall of said wind-guard, the improvement comprising a horizontal plate member mounted in said enclosure for slidable movement forwardly and rearwardly therein, said plate member being provided with an enlongated housing secured thereto having a bifurcated forward end, a striker wheel rotatably mounted in the bifurcated forward end of said housing adjacent said wick, and positioned so that it partially extends through the opening in the forward wall of said wind-guard, a flint tube operatively secured within said housing in engageable relation with said striker wheel, coacting latch means mounted on the forward end of said housing and said cover for holding said cover in closed position, and spring means operatively secured to the rear end of said housing intermediate the latter and the rear wall of said wind-guard for normally urging said plate member forwardly to maintain said latch means in engageable relation with said cover when the latter is in closed position.

2,485,735
DEFLECTOMETER
Lawrence K. Hyde, Washington, D. C., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 17, 1945, Serial No. 629,246
3 Claims. (Cl. 33—169)



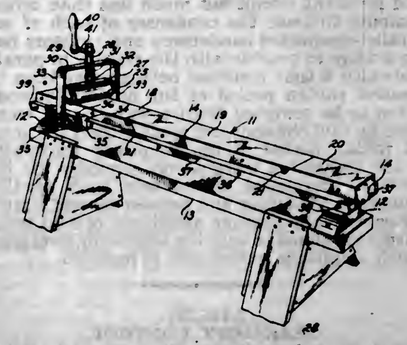
2. A deflectometer comprising, in combination, a movable crosshead adapted to be engaged by and have its movement controlled in accordance with that of a member whose deflection is to be measured, a motion responsive device, a bell crank for controlling said responsive device, said bell crank having one arm extending transversely of the direction of crosshead movement and engageable with the crosshead for transmitting a given amount of motion of the crosshead to said responsive device, a member having an inclined surface connectable to said crosshead for movement therewith, another arm of the bell crank extending across the path of movement of said inclined surfaced member for engagement therewith whereby movement of the crosshead is transmitted to said responsive device in an amount determined by the slope of said incline, and said first mentioned arm also being a counterbalance for the bell crank so as to bias the same in a direction to cause said arms to effect their respective engagements with the crosshead and inclined surface.

2,485,736
SWITCH
Richard C. Ingwersen, Jackson, Mich., assignor to Mechanical Products, Inc., Jackson, Mich., a corporation of Michigan
Application June 16, 1945, Serial No. 599,806
6 Claims. (Cl. 200—116)



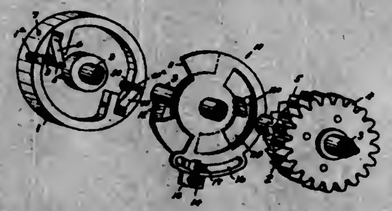
6. A switch with overload protection comprising a slidable actuator, means supporting said actuator for axial movement including a shoulder portion, a fixed contact, a movable contact and thermal latch unit, a lost motion connection between said unit and said actuator including a portion engaging with said unit upon movement in one direction to move said unit in a direction to engage said contacts as well as to engage said latch with said shoulder, said latch upon overload being constructed and arranged to be deflected away from said shoulder, a portion of said actuator upon movement of said actuator in the opposite direction engaging with said latch to force the same in the direction of its overload deflection and out of engagement with said shoulder, and continuously acting spring means engaging with said unit for separating said contacts with said latch out of engagement with said shoulder.

2,485,737
FINGERPRINT MACHINE
George W. Jacoby, Jr., Wooster, Ohio
Application June 28, 1946, Serial No. 680,249
11 Claims. (Cl. 91—48)



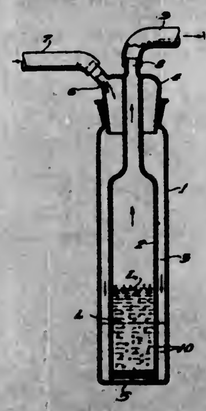
2. A plate inker comprising an elongate base, a plate on each end of the base, the plates defining a space therebetween for the reception of a plate to be inked, a traversable carriage having a part overlying the base, a shaft perpendicular to the base rotatably mounted in the part, an inking roller mounted on the shaft with its axis perpendicular to the shaft and adapted to engage the end plates and the plate being inked, and a crank on the shaft by which the shaft may be rotated and the carriage traversed.

2,485,738
INTERMITTENT CLUTCH
Ernest Jeschke, Syracuse, N. Y.
Application May 3, 1946, Serial No. 667,159
2 Claims. (Cl. 74—125.5)



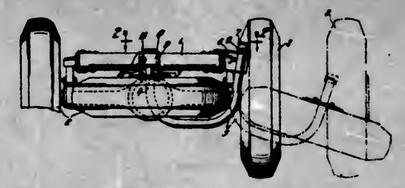
1. An intermittent clutch including opposing driving and driven elements, one being provided with a clutch face and the other with a pair of clutch members located on opposite sides of the axis of the clutch and shiftable into and out of coaction with said face, a stationary mask interposed between the opposing faces of said elements and provided with concentric annular tracks of different diameters, one track for each clutch member, the mask being formed with openings of different diameters with which said members register respectively during rotation of the driving element, said clutch members being formed with engaging portions for coacting with said clutch face and with portions running over the tracks respectively and movable through the openings respectively to engage said clutch face, the mask being formed with cams at the ends of the openings with respect to the direction of rotation for coacting with the engaging portions of the clutch members respectively, said cams being arranged different radial distances from the axes of the clutch elements and in line respectively with the tracks, all whereby neither of said members is controlled by the opening and track and cam for the other member.

2,485,739
GAS WASHING DEVICE
Warren W. Johnstone, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 28, 1945, Serial No. 637,611
1 Claim. (Cl. 261—122)



A gas scrubber comprising an outer cylindrical chamber having a removable closure member at its upper end, an inner cylindrical chamber within and spaced from the outer chamber and having a lower open end above the bottom of the outer chamber, a gas distributing member across the lower end of the inner chamber, said inner chamber having a neck portion of reduced cross-sectional area extending into said closure member and the inner chamber being thereby suspended from the closure member, an outlet in said closure member communicating with the reduced neck portion of the inner chamber, and an inlet in said closure member communicating with the upper portion of the outer chamber.

2,485,740
SPARE TIRE AND WHEEL CARRIER
Mitchell C. Kasen, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 17, 1947, Serial No. 722,721
5 Claims. (Cl. 224—42.22)

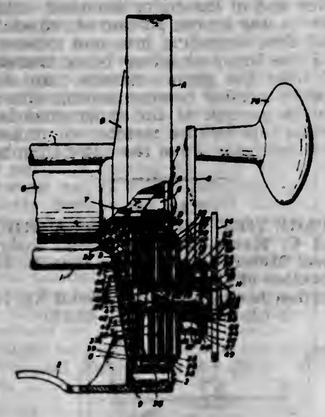


2. In an underslung tire carrier, a lever arm for detachably supporting a spare tire in horizontal position, means at one end of the arm to pivotally mount the same on a vertically inclined axis which enables the arm to be swung outwardly and downwardly, means to project upwardly from the arm and through the spare tire, a forked bracket to receive the upper end of said upwardly projecting means, a swinging latch to close the forked bracket, an adjustable retainer for the latch and a skid plate on said upper end of the upwardly projecting means to bear on said forked bracket.

2,485,741
REELING MECHANISM
Frank A. King, deceased, late of Los Angeles, Calif., by William Scott King, Tujunga, and Ernest Lynn King, Los Angeles, Calif., and A W. Tedstrom, Parsons, Kans., administrators, assignors to Mary L. King, Tujunga, Calif.
Substituted for abandoned application Serial No. 584,296, March 23, 1945. This application July 25, 1947, Serial No. 763,651
17 Claims. (Cl. 242—84.6)

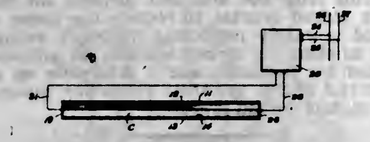
11. In a clutch mechanism, a driving clutch element, a driving shaft carrying said clutch element, a support on which said shaft is mounted for rotary and axial movement, a driven clutch element, spring means normally urging said clutch elements into clutching engagement with one another, a crank for driving said shaft, means for drivingly connecting said crank to said shaft with said crank subject to a limited rotary movement relative to said shaft, and thrust means responsive to limited rotary movement of said crank relative to said shaft for shifting said shaft axially and declutching said clutch elements against the action of said spring means, said thrust means including a ball carrier keyed to said shaft having an opening therein, a ball mounted in said opening, said crank having a depression therein adapted to receive said ball when the crank is in position to turn said shaft, and a thrust member fixed to said shaft, said ball be-

ing arranged to move out of said depression and against said thrust member so as to axially shift



the shaft when the crank is moved in one direction relative to said shaft.

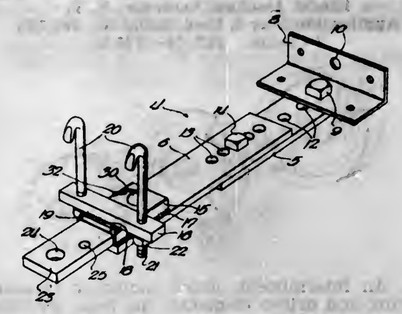
2,485,742
PROCESS FOR MOLDING CELLULAR PRODUCTS
Benjamin M. King, Jr., Evansville, Ind.
Application March 3, 1948, Serial No. 12,820
6 Claims. (Cl. 25—155)



1. In a process for the production of cellular products formed from a mixture of a hydraulic cement binder and a gas evolving agent including a component capable of chemical reaction to form gas upon heating, the steps which comprise pouring said mixture into a mold, and applying to said mixture in said mold a high frequency electrostatic field for a period only sufficient to uniformly heat said mixture to initiate the production of gas.

2,485,743
TRAILER HITCH
Benjamin Koback, Portland, Oreg., assignor to Richard J. Driggs, Portland, Oreg.
Application March 6, 1946, Serial No. 652,397
11 Claims. (Cl. 280—33.44)

1. A trailer hitch for a bumper equipped vehicle comprising a drawbar, means on one end of said drawbar for attachment to a frame member of said vehicle, means on the other end of said drawbar for attachment to the bumper of said vehicle, means for adjusting the length of said drawbar between said attaching means, a trailer connection, and means for mounting said trailer connection on said drawbar in either of two positions, said trailer connection when mounted in one of said positions extending rearwardly of said bumper for connection with a trailer and the like and when mounted in the other of said positions being secured to said

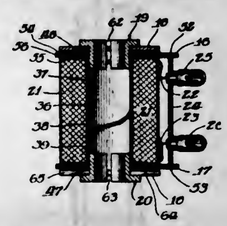


drawbar forwardly of said bumper with no part thereof extending behind said bumper.

2,485,744
TREATMENT OF TALL OIL AND PORTIONS THEREOF
Samuel Koonce and Edmond S. Perry, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application September 20, 1946, Serial No. 698,398
3 Claims. (Cl. 260—97.6)

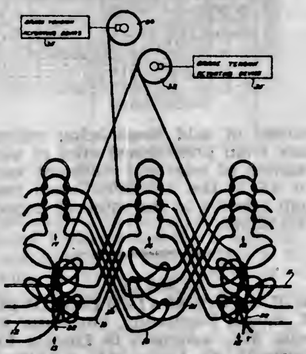
1. The process which comprises in combination esterifying the fatty acids of tall oil with a monohydroxy aliphatic alcohol without substantially esterifying the rosin acids of said oil, dissolving the mixture of esterified fatty acids and unesterified rosin acids in a solvent therefor, removing rosin acids by contacting said mixture with an adsorbent effective to adsorb substantially all of the unesterified rosin acids from said mixture without substantially adsorbing esterified fatty acids therefrom, and thereafter washing said adsorbent with a strong eluting solvent effective to remove adsorbed rosin acids therefrom.

2,485,745
HEAT DISSIPATOR FOR ELECTRICAL DEVICES AND EQUIPMENT
John C. Koonz, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application August 9, 1946, Serial No. 689,460
6 Claims. (Cl. 175—21)



1. In an electrical device the combination of a hollow, spirally wound core of metallic sheet material having high specific thermal conductivity, an insulating layer mounted on the spirally wound core and a current carrying winding mounted on the insulating layer; together with layered end plates including at least one metallic layer having high specific thermal conductivity and split metallic sleeves having high specific thermal conductivity extending through apertures in the end plates and telescoped within the spirally wound core of metallic sheet material to provide a mainly metallic path from the spirally wound core to the end plates, whereby heat generated in the core is dissipated from the sleeve and end plates.

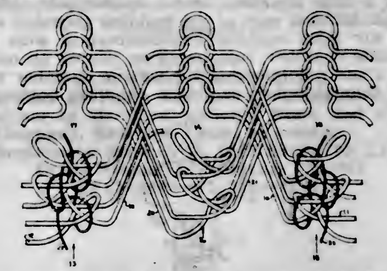
2,485,746
KNITTING PROCESS
Roland Frank William Krueger, Cleveland, Ohio, assignor to Bamberger-Reinthal Company, a corporation of Ohio
Application September 23, 1946, Serial No. 698,848
3 Claims. (Cl. 66—87)



1. The process of producing a knitted fabric from a combination of elastic and inelastic yarns, comprising the steps of winding the inelastic yarn upon a first beam, winding the elastic yarn upon a second beam with a degree of stretching, positioning the wound first and second beams in position to unwind the yarns therefrom to a knitting machine, pulling the yarn from the first beam by operation of the knitting instrumentalities, controlling the removal of the inelastic yarn from the first beam by means resisting rotation of the first beam with sufficient resistance to keep the inelastic yarn to a predetermined degree of tautness and allow the yarn to unwind at a predetermined rate substantially equal to the requirements of the knitting machine, pulling the yarn from the second beam by operation of the knitting instrumentalities, said elastic yarn being in a stretched condition at least between said knitting instrumentalities and said second beam and thereby exerting a rotative force on said second beam to rotate said second beam and unwind the elastic yarn therefrom, and controlling the rate of rotation of said second beam to cause the degree of stretch of the elastic yarn to change between the second beam and the knitting instrumentalities with respect to the degree of stretching of the elastic yarn on said second beam.

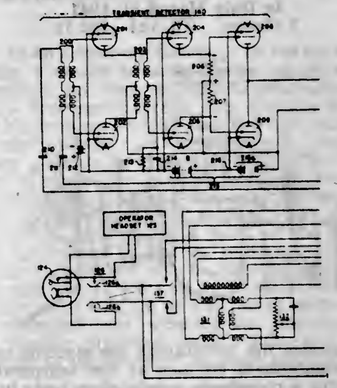
2,485,747
KNITTED FABRIC AND PROCESS OF MAKING THE SAME
Roland Frank William Krueger, Cleveland, Ohio, assignor to Bamberger-Reinthal Company, a corporation of Ohio
Application September 23, 1946, Serial No. 698,849
4 Claims. (Cl. 66—195)

1. A knitted fabric having a face side and a rear side, said fabric comprising a plurality of inelastic strands, a portion of each said inelastic strand comprising straight stitches forming said face side, a portion of each said inelastic strand comprising cross stitches with an adjacent in-



elastic strand and forming said rear side, and a plurality of elastic strands chain stitched with the cross stitches on the rear side.

2,485,748
OBSERVATION APPARATUS WITHOUT WIRE CHANGEOVERS
Barney J. Kucera, Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application July 15, 1942, Serial No. 450,987. Divided and this application January 15, 1945, Serial No. 572,871
12 Claims. (Cl. 179—175.2)



9. In combination with a signal transmitting circuit having a reactive coupling device therein and means for closing and opening said circuit at one end thereof to produce corresponding changes in the impedance of said circuit as measured at the other end thereof, a line, a vacuum tube oscillator coupled to said circuit at said other end thereof and controlled in accordance with said changes in the impedance of said circuit to oscillate each time said circuit is opened at said one end thereof and to stop oscillating each time said circuit is closed at said one end thereof, and means controlled by said oscillator for repeating to said line impulses transmitted over said circuit.

2,485,749
MUSICAL WIND INSTRUMENT
Bernard G. Ladd, Manhasset, N. Y.
Application December 13, 1945, Serial No. 634,664
3 Claims. (Cl. 84—384)

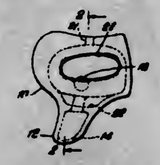
1. A wind instrument comprising a single hollow molding of plastic material, a partition in said molding in the form of a thin wall inte-

wardly of said bumper for connection with a

strand comprising straight stitches forming said

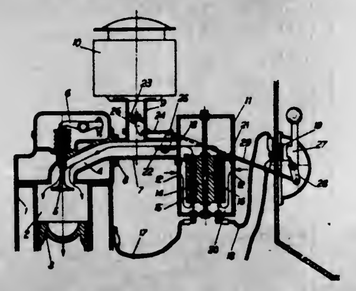
627 O G.—69

grally united with the inner walls of the molding for separating the same into a whistle chamber and a tone chamber, and a mouthpiece formed as an integral part of the molding provided with an air inlet opening communicating with the whistle chamber, said partition having an opening therein connecting the whistle chamber with the tone chamber, said tone chamber having an



outlet opening provided in one of its walls adjacent to the opening in the partition, said tone chamber having a second opening in the form of an elongated finger-receiving tone displacement slot in another of its walls opposite the outlet opening whereby when a finger placed in and is moved longitudinally of said elongated slot produces the different musical notes of the score being played.

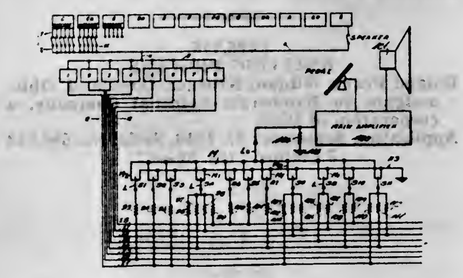
2,485,750
HEATING DEVICE FOR ENGINES
Gianni Lancia, Turin, Italy
Application March 15, 1948, Serial No. 14,861
In Italy March 21, 1947
2 Claims. (Cl. 123—142.5)



1. A device for facilitating the starting of internal combustion engines at low temperatures comprising a receptacle, a refractory body in said receptacle leaving a free space, said body providing passages, electrical heating resistances in said passages, a source of electric current, a switch controlling the communication between heating resistances and source of electric current, means providing the communication of the receptacle with the atmosphere, a sleeve connecting said receptacle with the suction duct of the engine, an air filter branched on said sleeve, valves for controlling communication between the receptacle on one side and suction duct or filter on other side, and means connecting said valves in such a manner that one is closed when the other is open.

2,485,751
ELECTRICAL MUSICAL INSTRUMENT
Merwin J. Larsen, Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application June 27, 1946, Serial No. 679,619
4 Claims. (Cl. 84—1.21)

4. In an electronic organ, a set of wave filters; a conductor for and connected in the output side of each filter; a translating device including a power amplifier; and a system of stops for impressing the output of one or more filters on the input circuit of said power amplifier, at least one of said stops being connected to a conductor from only one of said filters by a resistance of given



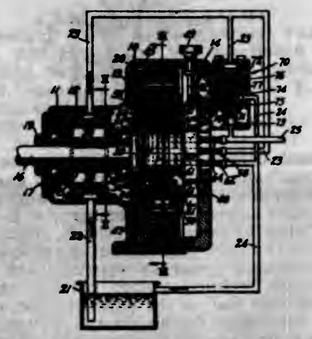
value, others of said stops being connected to conductors from preassigned ones of said filters by resistances of relatively different values, the values of all of the aforementioned resistances being high relative to the internal impedance of any of said filters.

2,485,752
SURGE-COMPENSATED LIQUID PUMP
Albert T. Laspe, Normandy, and John R. Graef, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application February 19, 1947, Serial No. 729,602
4 Claims. (Cl. 103—224)



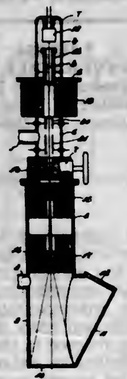
1. A surge compensator for a reciprocating liquid pump having a direct-connected reciprocating-piston air engine, the pump having an outlet liquid passage and the air engine having an automatic valve control for its air supply and having air passages leading from the valve control to opposite sides of the piston; comprising means providing a space communicating with the pump outlet, a resilient member in said space exposed on one side to liquid pressure in the space and on the other side to air pressure, and means for communicating air pressure to the air-side of the resilient member from one of said air engine passages.

2,485,753
FLUID PRESSURE DEVICE
James L. Lasier, North Hollywood, and James E. Leininger, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 11, 1946, Serial No. 646,838
6 Claims. (Cl. 103—5)



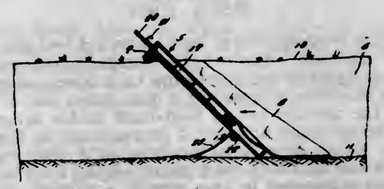
1. Apparatus of the type described comprising: an annular frame member; a bearing member within and having its axis parallel to the axis of said frame member; a plurality of spoke assemblies approximately radially disposed with respect to said bearing member; each of said spoke assemblies comprising a cylinder element radially supported by one of said members, a piston element radially supported by the other member, and a radially floating element interconnecting and sealing with said cylinder and said piston elements, each floating element defining with its associated cylinder element a first variable chamber of large diameter and defining with its associated piston element a second variable chamber of smaller diameter; a journal for said bearing member eccentrically disposed with respect to said frame member, whereby each spoke assembly expands during one half revolution and contracts during the other half revolution in response to relative rotation between said journal and said bearing member; a pressure fluid supply conduit; a pressure fluid delivery conduit; an exhaust conduit; valve means actuated in response to relative rotation between said bearing member and said journal for connecting said first chamber of each spoke assembly to said supply conduit during a first arc of movement while that assembly is expanding, connecting said second chamber to said delivery conduit during a second arc of movement while the associated assembly is contracting, and connecting said second chamber to said supply conduit and connecting said first chamber to said exhaust conduit during movement of the associated assembly between said first and second arcs; whereby said supply conduit pressure fluid in said first chambers during expansion thereof produces a force aiding said relative rotation, said delivery conduit pressure in said second chambers during contraction thereof produces a force opposing said relative rotation, and the force aiding rotation prevails over the force opposing rotation when the supply conduit pressure exceeds a predetermined fraction of the delivery conduit pressure, said fraction being the ratio of the area of said second chambers during expansion thereof to the area of said first chambers during contraction thereof, and said rotation is maintained by said supply conduit pressure fluid when its pressure exceeds said predetermined fraction of the delivery conduit pressure by an amount sufficient to overcome the frictional resistance to rotation.

2,485,754
ELECTRON MICROSCOPE
Jan Bart Le Poole, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 16, 1948, Serial No. 2,791
In the Netherlands January 25, 1947
13 Claims. (Cl. 250—49.5)



1. In an electron microscope of the type having a tube, a carrier in said tube for an object to be magnified, an electron optical magnifying system, a fluorescent screen, and a source for emitting electron rays which pass through said object, in combination, an arrangement comprising means capable of intermittently deflecting the beam of electron rays so as to vary in succession the directions in which the rays strike a given point on the object and, thereby, vary the position of the image of said point on the screen in case focussing is imperfect, said arrangement allowing undeflected rays to pass through the object onto the screen and to reproduce the image of said point thereon in a different position than the deflected rays, whereby the unsharpness of the faultily focussed object, otherwise imperceptible to the observer, is made noticeable.

2,485,755
DITCH DAM
Dimond Herschel Loosli, Idaho Falls, Idaho
Application December 3, 1948, Serial No. 63,411
4 Claims. (Cl. 61—29)



1. A ditch dam comprising a horizontal bar, a flexible sheet secured to depend from said bar, said sheet being formed with an opening extending from said bar to a point below said bar, a gate frame secured to depend from said bar around said opening, said gate frame comprising angle-iron vertical side members and a

4. In an electronic organ, a set of wave inverters, a conductor for and connected in the output side

pressure fluid when its pressure exceeds said pre-

ing angle-iron vertical side members and a

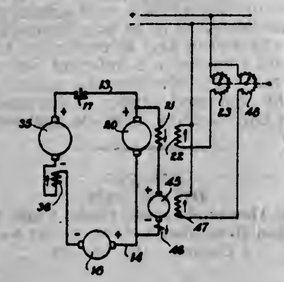
cross member extending between the lower ends of the side members, with one flange of the angle irons projecting at right angles to said horizontal bar and said sheet, and with the side edges of said opening brought around and engaging the laterally inward faces of the projecting flanges of the vertical side members of the frame, and cleats connected to the frame and secured to said side edges of the opening to the said faces of the flanges, said cleats being spaced from the remaining flanges of the vertical side members of the frame to define slide grooves, and a vertically slidable gate having its opposite side edges confined in said grooves.

2,485,756
CONVERTIBLE SKI
Reginald J. Meehan, East Hartford, Conn.
Application December 16, 1946, Serial No. 716,575
2 Claims. (Cl. 280—7.13)



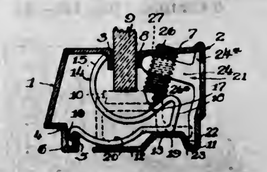
2. A roller ski comprising an elongated runner having an upwardly arcuated nose portion at one end thereof, the end portions of said runner being free from all encumbrances, protuberances and recesses, the intermediate portion of said runner being thickened with respect to said end portions and being formed in the underside thereof with a longitudinally extending rectangular recess, and a set of spaced parallel rollers rotatably mounted in tandem in said recess, lower portions of said rollers projecting below the undersurface of said runner.

2,485,757
UNWIND REEL CONTROL
Mathias Michel, Pittsburgh, Pa.
Application July 31, 1948, Serial No. 41,787
5 Claims. (Cl. 242—75)



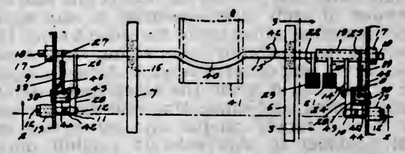
1. A control system for an unwind reel adapted to maintain substantially constant tension on strip material fed therefrom to a driven processing machine comprising a drag generator driven by the unwind reel, a feed-back motor arranged to be operated at a speed proportional to that of the driven processing machine, said drag generator and said feed-back motor having their armatures connected in loop circuit, a control exciter for said drag generator driven at a speed proportional to that of the driven processing machine, and a control field for said drag generator, said control exciter having its armature terminals connected, in series with said control field, across the armature terminals of corresponding polarity of said drag generator.

2,485,758
SASH CONSTRUCTION
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application September 1, 1945, Serial No. 614,051
1 Claim. (Cl. 20—56.4)



In a sash construction including a face moulding, a longitudinal inner sash member and means interconnecting the face moulding and the said longitudinal inner sash member for holding a pane of glass in assembled relation, the combination, with the said longitudinal inner sash member including a generally vertical back wall, a downwardly inclined gutter portion extending from the back wall to the pane of glass, a downwardly extending flange on the gutter portion adapted to seat against the inner face of the glass, and a longitudinal channel at the lower extremity of the back wall, of a plurality of lugs positioned within the inner sash member, each lug including a ledge adapted to be received under the inclined gutter portion and behind the downwardly extending flange; an upwardly extending rib adapted to engage the lower surface of the gutter portion at a point adjacent the top of the vertical wall, and a thin leg extending downwardly along the vertical back wall and including a single lower end portion adapted to seat in the longitudinal channel, whereby the individual lugs may be snapped into friction-engaging relationship with the inner sash member by inserting the lower end of the leg into the channel and forcing the ledge at the upper end of the lug inwardly under the gutter portion, whereby the lugs may be inserted at any point and are retained in position by friction.

2,485,759
BRAKE ACTUATOR
Walter H. Miller, Danville, Iowa
Application August 7, 1946, Serial No. 689,044
2 Claims. (Cl. 74—481)



1. In combination with two pivotally mounted brake actuating hand levers operable for independently applying a braking action to separate wheels of a vehicle, an auxiliary brake actuating attachment including a shaft journaled transversely to the direction of swinging movement of said brake actuating levers, a sleeve journaled on said shaft, a pair of adjacently disposed foot pedals, one of said foot pedals having an arm fixed to the sleeve and the other of said foot pedals having an arm fixed to the shaft, said foot pedals being individually depressible for independently rotating the shaft and sleeve in the same direction, link and lever means connecting the sleeve to one of said brake actuating levers,

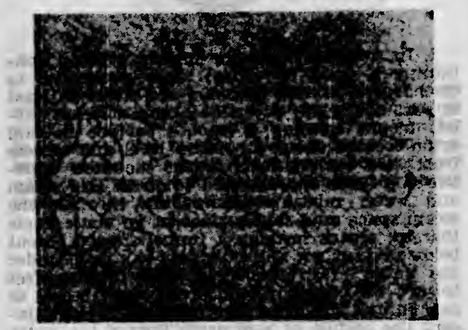
and a link and lever means connecting the shaft to the other of the brake actuating levers, said link and lever means being constructed and arranged to move the brake actuating levers to brake setting positions independently when the foot pedals are depressed.

2,485,760
CAST FERROUS ALLOY
Keith Dwight Millis, Rahway, Albert Paul Gagnebin, Red Bank, and Norman Boden Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application November 21, 1947, Serial No. 787,420
In Great Britain March 22, 1947
17 Claims. (Cl. 75—123)



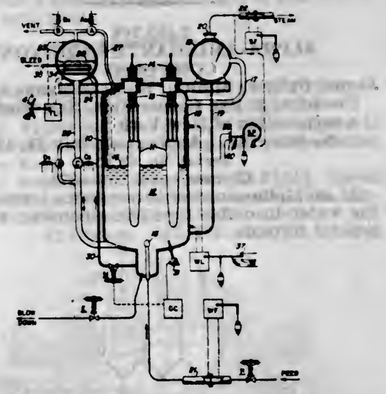
3. A cast iron containing uncombined carbon and a small but effective amount up to less than about 0.4% of magnesium sufficient to control the occurrence of uncombined carbon as substantially spheroidal particles, the cast iron without magnesium having the composition of a gray cast iron normally containing uncombined carbon in the form of flakes.

2,485,761
GRAY CAST IRON HAVING IMPROVED PROPERTIES
Keith Dwight Millis, Rahway, Albert Paul Gagnebin, Red Bank, and Norman Boden Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application March 20, 1948, Serial No. 16,106
In Great Britain March 22, 1947
8 Claims. (Cl. 75—123)



1. As an article of manufacture, a casting comprised of a gray cast iron containing about 2.5% to 4% carbon, about 1.5% to 4.5% silicon, about 0.01% to 2.5% manganese, at least 0.02% and up to 0.04% magnesium, and the balance essentially iron, said gray cast iron being characterized by a microstructure containing at least 75% of the graphite in a compacted flake form.

2,485,762
SURGE TANK FOR ELECTRIC BOILERS
Harvey C. Mittendorf, East Orange, N. J., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application July 25, 1947, Serial No. 763,699
2 Claims. (Cl. 219—40)



1. In combination, an electric steam generator comprising a boiler, means for admitting water thereinto, heating means for said water including an electrode immersed therein to a depth dependent upon the water level in the boiler whereby the rate of steam generation increases as that level is raised and decreases as that level is lowered, a surge tank external to and above the top water level in said boiler, a conduit connecting the lower portion of said surge tank with the lower portion of said boiler, electrode-immersion-control means for causing water to flow through said conduit from said boiler to said tank at times and from said tank to said boiler at other times, bleed means responsive to water conductivity and effective to drain hot water from the boiler, a heating conduit within said surge tank for submergence by the water therein contained, and means for passing said hot bleed water through that conduit whereby to transfer the heat therein to the tank water surrounding the conduit.

2,485,763
TOOL JOINT
James Moon, Altadena, Calif., assignor to Signal Oil and Gas Company, Los Angeles, Calif., a corporation of Delaware
Application July 16, 1946, Serial No. 684,022
4 Claims. (Cl. 285—174)

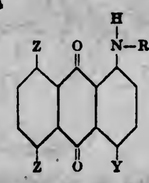


1. A drill collar, comprising a pin portion, external splines at the end of the pin, external splines on said pin, a box portion, internal splines on said box portion complementary to the external splines on said pin portion, a plurality of

spring fingers mounted on said box, a sleeve slidably mounted over the exterior surfaces of said box and said spring fingers, and means for engaging said spring fingers with said pin to lock said box and pin when said sleeve is slid over said spring fingers to prevent lateral separation of said box and pin, said means including means for locking said sleeve in position over said spring fingers, said locking means also including circumferential locking means to lock said sleeve in position irrespective of the angular position of said sleeve with respect to said fingers, said locking means being operative to prevent lateral displacement of said sleeve.

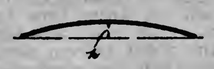
2,485,764
ALPHA-AMINOANTHRAQUINONE COMPOUNDS
James Ogilvie, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 31, 1946, Serial No. 687,516
5 Claims. (Cl. 260—378)

1. An alpha-aminoanthraquinone compound of the water-insoluble type corresponding with the general formula



in which R represents the bicyclohexyl radical; Y represents a radical selected from the group consisting of —OH, —NH_2 and non-aromatic hydrocarbon-monosubstituted amino radicals; and Z represents a member selected from the group consisting of hydrogen and —OH.

2,485,765
COATED ABRASIVES
Nicholas E. Ogleaby, Troy, N. Y.
Application August 10, 1942, Serial No. 454,316
5 Claims. (Cl. 51—195)



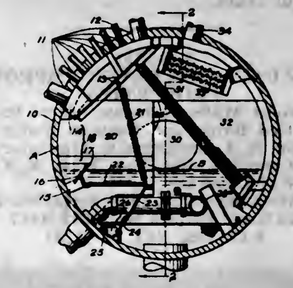
1. In the manufacture of coated abrasives having a cellulosic backing, a coat of abrasive grit held thereto by a making coat of animal glue in the form of a layer adjacent the backing and a sizing coat of synthetic resin in the form of a layer applied over the grains, the step, after the coats have been applied, the said glue making coat has been dried and the said resinous sizing coat has been at least partially cured, of swelling the backing by application thereto of an aqueous medium and thereafter drying to shrink the backing sufficiently to produce a backing the outer surface of which is of such dimensions in relation to the outer surface adhesive-abrasive coating dimensions that it will not under average conditions of use absorb sufficient moisture from the atmosphere to curl the article and present a concave abrasive surface, thereby forming a coated abrasive having a grit surface character substantially flat to convex curl under average conditions of use, whereby a concave grit surface is avoided.

2,485,766
OTOSCOPE OR THE LIKE
Arthur H. Parcher, Ellsworth, Maine; Winifred H. Parcher executrix of said Arthur H. Parcher, deceased
Application February 15, 1944, Serial No. 522,413
1 Claim. (Cl. 128—9)



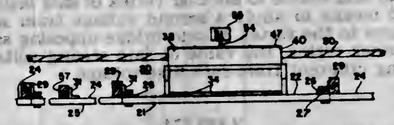
A device of the class described comprising a speculum including a clip portion extending rearwardly at an angle to the sight axis of said speculum, a light source slidably and rotatably supported by said clip portion so that the light axis is at an angle to the sight axis and intersects said sight axis adjacent the front end of the speculum, a lens, and means carried by said light source slidably and pivotally supporting said lens so that it may be pivoted from a position intermediate the rear end of said speculum and the front end of said light source into a position intersecting the axis of said speculum and slid independently of said light source into desired relation to said speculum, the diameter of said lens being less than the rear part of said speculum and the rear part of said speculum having a slot to receive said means to permit said lens to be housed in said speculum when said slot and said means are in alinement.

2,485,767
STEAM SEPARATOR
Ward S. Patterson, Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application December 30, 1944, Serial No. 570,555
4 Claims. (Cl. 183—9)



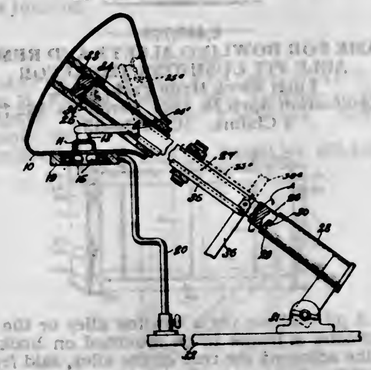
1. In a steam separator having a drum containing a body of water, tubes connected to discharge a mixture of steam and water at least in part above the water level, and a steam outlet; means forming a smooth surface in said drum located above the water level and remote from said outlet; baffle means mounted opposite said tubes and disposed to direct said steam and water mixture downwardly through the steam space onto said surface at an acute angle thereto; means forming a funnel shaped throat below said surface and extending to a point under the water level; submerged baffle means offset toward the center of said drum with respect to said funnel and extending upwardly from adjacent the bottom of said drum toward the water level; a submerged screen extending from the throat of said funnel to adjacent upper end of said second baffle means; a second screen extending through the steam space to a point below the water level dividing it into separate chambers; and other steam separating means mounted intermediate and above said second screen and the steam offtake.

2,485,768
APPARATUS FOR THE GAME OF TUG OF WAR
Frederick Peters, Hollywood, Calif.
Application September 17, 1947, Serial No. 774,460
3 Claims. (Cl. 273—1)



1. A tug of war apparatus, comprising in combination, a platform formed of a plurality of elongated platform sections, arranged end to end, upwardly extending and transversely disposed foot rests secured to the upper side of an end of each of certain of said platform sections, an angle iron having the vertically extending portion thereof secured to the vertical extending outer side of the foot rest and having the horizontally extending portion thereof extending outwardly from the outer side of the foot rest and resting on the end of the next adjacent platform section.

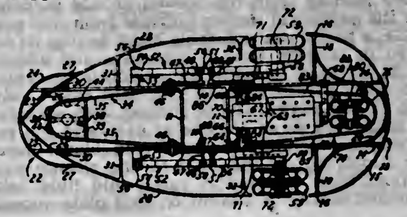
2,485,769
METHOD AND APPARATUS FOR INSERTING CONTACTS IN GLASS TUBES
George N. Phelps, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1944, Serial No. 570,421
15 Claims. (Cl. 49—28)



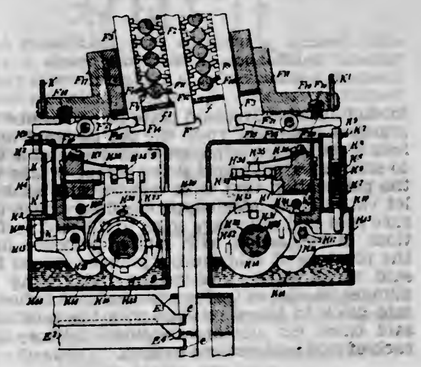
1. The method of perforating a sheet of glass which comprises placing a concave metal punch with its edge in contact with the glass, heating the edge of the metal punch by induction to a temperature at which the glass adjoining said edge is softened, and pressing the heated punch through the softened glass.

2,485,770
WHEEL AND FRAME ASSEMBLY
Charles I. Place, Norfolk, Conn.
Application May 14, 1947, Serial No. 747,897
15 Claims. (Cl. 280—106.5)

1. In a road vehicle, a body frame, a pair of ground wheels each connected to said frame, yieldable means connected between said frame and said ground wheels, wheel-supporting frames each pivoted to said body frame and extending to supported engagement with said yieldable means, and a ground wheel on each of said wheel-supporting frames.



2,485,771
LATCH OPERATED CLUTCH FOR TYPOGRAPHICAL CASTING MACHINES
James C. Plastaras, Laurelton, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Original application September 24, 1941, Serial No. 412,144. Divided and this application January 13, 1944, Serial No. 518,035
12 Claims. (Cl. 192—22)

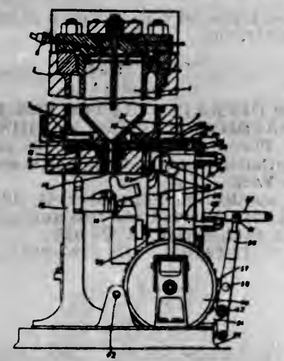


1. In a keyboard mechanism, the combination of a rotary driving shaft, a rotary driven element mounted concentrically thereon in normally disconnected relation, a trip member, an intermediate device mounted on the shaft for rotation therewith, means normally holding the driven element against rotation by the shaft and operable to release said element when the trip member is actuated, fluid means rendered operable upon the release of the driven element for moving the latter in the direction of shaft rotation, and instrumentalities rendered operable upon such movement of the driven element to effect, through the intermediate device, a positive driving connection between the driving shaft and said driven element.

2,485,772
APPARATUS FOR THE PREPARATION OF ARTIFICIAL MATERIALS
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 17, 1946, Serial No. 716,843
In Great Britain January 4, 1946
4 Claims. (Cl. 18—30)

4. Apparatus for forming fusible filament-forming polymers into solid pieces of uniform size

and shape, said apparatus comprising an autoclave, heating means for said autoclave, an outlet valve leading from the bottom of said autoclave for the passage of molten polymer from said autoclave, a perforated rotatable block having its axis fixed in relation to said autoclave and adapted in its rotation to bring the perforations therein successively into register with said outlet valve, two closure plates, one in contact with each face of said block so as to close at each end the perforations extending through said block, means for supplying cooling fluid to the closure plate remote from said outlet valve, said fluid being supplied locally to a point on said plate opposite



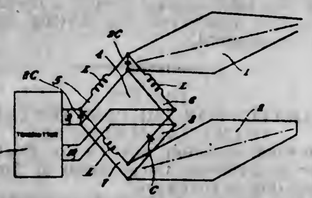
to said outlet valve, said plate being formed with a groove extending from the cooled point on the face of said plate adjacent to said rotatable block to serve as a passage for the escape of gas from the perforation that is in register with said outlet valve, means for supplying fluid under pressure into said autoclave so as to fill said perforations in succession with molten polymer under the pressure of said fluid, a plunger spaced from said outlet valve, and means for driving said plunger in and out of successive perforations in said block in timed relation with the rotation of said block for ejecting solidified polymer from each of said perforations in turn.

2,485,773

DEVICE FOR THE ALTERNATING VOLTAGE SUPPLY OF A LOAD

Klaas Posthumus, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 13, 1946, Serial No. 662,023
In the Netherlands June 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 1, 1963
6 Claims. (Cl. 250—17)



1. A system for energizing a load consisting of two rhombic antennas having open and short circuited output terminals respectively, said system comprising a four branch bridge each branch of which is defined by a four terminal phase-shifting network, one of the networks in said bridge providing a 90 degree phase displacement in one direction, the remaining networks in said bridge each providing a 90 degree phase displacement in the reverse direction, the input terminals of one of the antennas being connected to one vertex of said bridge and the input terminals of the other antenna being connected to the opposing vertex of said bridge, a source of alternating voltage, means to apply a first voltage from said source to another vertex of said bridge, and means to apply a second voltage from said source to the vertex of said bridge opposing said another vertex, the value of said second voltage being different from said first voltage.

2,485,774

PURIFICATION OF RECOVERED CAMPHOR

Adah Burkhead Richmond, North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 29, 1948, Serial No. 51,849
10 Claims. (Cl. 260—589)

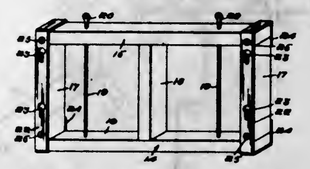
1. Process of purifying camphor recovered from cellulose nitrate plastics, which comprises dissolving said recovered camphor in a saturated monohydric aliphatic alcohol having from 1 to 5 carbon atoms, inclusive, mixing with the resulting solution from 0.3% to 10% of hydrogen peroxide, by weight of said camphor, then mixing with said solution from 0.8% to 14% of activated carbon of particle size no greater than 44 microns, by weight of said camphor, maintaining contact between said activated carbon and said solution for at least five minutes, and thereafter filtering said solution to remove solids therefrom.

2,485,775

FRAME FOR BOWLING ALLEYS AND REMOVABLE PIT CUSHIONS THEREFOR

Luigi Ricci, Hyde Park, Mass.

Application April 26, 1944, Serial No. 532,792
4 Claims. (Cl. 273—53)



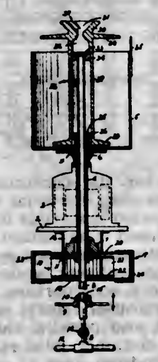
1. A pit cushion for a bowling alley or the like comprising a frame to be mounted on hooks or the like adjacent the rear of the alley, said frame comprising top and bottom and side walls, a pair of bolt members interconnecting the top and bottom members, the upper ends of said members having looped terminals to receive the supporting hooks, each of said side walls having at least one pocket therein alined with the pocket in the other side wall, a reinforcement attached to said frame against each of said side walls, said reinforcements having keyhole shaped slots in communication with said pockets, and a padded element including a frame consisting of top, bottom and side members, a reinforcement attached to said last named frame against each of said side members, headed elements on said last named reinforcements to enter said pockets through the enlarged portions of said slots and to slide downwardly therein to lock said padded element in predetermined relation to said first named frame.

2,485,776

METHOD AND APPARATUS FOR COLLECTING YARNS

Ingham S. Roberts, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Original application January 19, 1944, Serial No. 518,783. Divided and this application February 25, 1947, Serial No. 730,811
12 Claims. (Cl. 57—34)



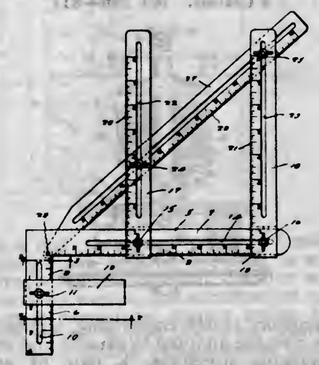
1. In combination in a twisting machine, a strand-receiving element mounted rotatably, a flyer guide, means for rotating the guide about the element, means for imparting relative reciprocatory motion between the element and the guide axially of the element, a drag fan secured for rotation with the element, a stationary housing about the drag fan and adjustable openings in the housing.

2,485,777

CARPENTER'S CALCULATING DEVICE

James H. Rogers, Neosho, Mo., assignor to Polly Delphia Jane Rogers Contreras, Newton County, Mo.

Application June 28, 1946, Serial No. 680,118
2 Claims. (Cl. 33—97)
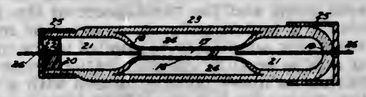


1. In a carpenter's framing tool including an elongated arm member, a slide arm connected at one end to said arm member for adjustable movement lengthwise of the latter, said arm member and slide arm being perpendicular to each other, and a pivotal arm pivotally connected at one end to said arm member adjacent one end of the latter and adjustably connected to said slide arm for indicating the pitch and run of a rafter when the base and rise are known, means for laying out plate-receiving notches in rafters comprising a leg at the end of said arm member at which said pivoted arm is pivotally connected, said leg extending perpendicularly from the side of said arm member opposite the side from which said slide arm extends, and a short arm secured at one end to said leg for sliding movement lengthwise of the latter, said short arm extending from said leg in the same direction and parallel to said arm member.

2,485,778

PULSE GENERATOR

James A. Ryles, Fresno, Calif., assignor of one-half to Lewis A. Follansbee, Fresno, Calif.

Application August 25, 1947, Serial No. 770,371
8 Claims. (Cl. 200—113)



1. A pulse generator comprising spaced electrodes, a closed thin-walled constricted tubular member interconnecting the electrodes, a filament of fluid electrical conducting material contained by the tubular member, filling the same, and in communication between the electrodes, a closed housing member surrounding the tubular member, and a cushoning and heat dissipating reservoir of gas contained by the housing member in enveloping relation to the tubular member.

2,485,779

SELECTIVE ENZYME HYDROLYSIS

Judson H. Sanders, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application October 27, 1945, Serial No. 625,105
10 Claims. (Cl. 195—30)

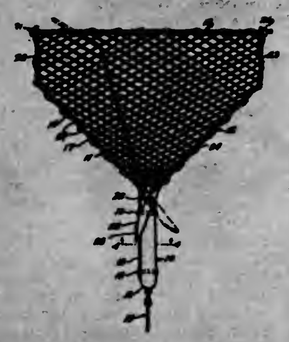
1. The process of liberating and separating substantial proportions of the lower molecular weight fatty acids from a mixture of glycerides having fatty radicals within the range C_{12} to C_{24} and including some which contain at least 6 more carbon atoms per radical than others, which comprises subjecting said mixtures of glycerides, at a temperature between about 40° F. and about 140° F. and above that at which substantial amounts of solid fats separate from the oil, to the action of an active lipase of the group consisting of oil seed lipases and steapsin, in the presence of an aqueous phase until said lower molecular weight fatty acids have been liberated to a substantial extent as a result of preferential enzyme hydrolysis, and until the free fatty acid content of the oil has increased at least about 10 percent and not substantially above the percentage content of lower molecular weight combined fatty acids in the original oil, then removing the partially hydrolyzed oil from the influence of active lipase and separating said free fatty acids from a residual mixture of glycerides of fatty acids having on the average longer carbon chains than those of the liberated fatty acids, and at any time following the partial hydrolysis substantially separating the aqueous glycerin phase from the oil phase.

2,485,780
PIPE WASHING EQUIPMENT
Julius Schechter, Brooklyn, N. Y.
Application March 21, 1947, Serial No. 736,363
4 Claims. (Cl. 131—244)



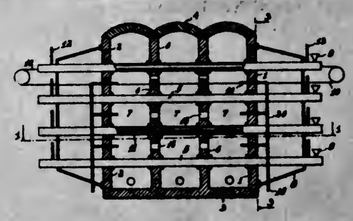
3. An apparatus for cleaning a smoking pipe by passage of a heated fluid back and forth through the bowl, stem and the mouthpiece of the pipe, comprising a hollow body of transparent material removably adapted to be applied to the upper end of a pipe bowl in communication therewith and having its upper portion formed with a vent opening, means for forming a tight joint between the bowl and the body, a heating receptacle having a nipple extending from its upper portion, and a coupling for detachably connecting the outer end of the nipple with the rear end of the mouthpiece of the pipe and forming a tight joint therewith.

2,485,781
COLLAPSIBLE FISH LANDING NET
Edward J. Schreiber and Alson L. Weatherhead, Willimantic, Conn.
Application June 12, 1948, Serial No. 33,844
4 Claims. (Cl. 43—12)



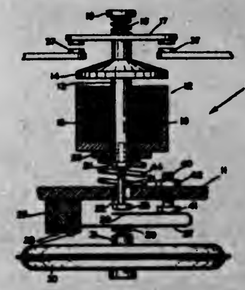
2. A collapsible fish landing net comprising a handle, a pair of side frame arms, one arm rigidly secured and the other arm pivotally secured to said handle near corresponding ends and extending outwardly from said handle, said arms diverging from said handle away from each other, a thumb rest on said pivotally secured arm for swinging it away from said rigidly secured arm, a stretchable resilient strand connected between the ends of said arms remote from said handle to resiliently urge said pivotally secured arm toward said rigidly secured arm, and a net connected at its edges to said arms and said strand.

2,485,782
FURNACE FOR THE HEAT TREATMENT OF SOLIDS
Herbert C. Schweitzer, New York, N. Y., assignor to Associated Metals & Minerals Corporation, New York, N. Y.
Application July 3, 1945, Serial No. 602,995
2 Claims. (Cl. 263—37)



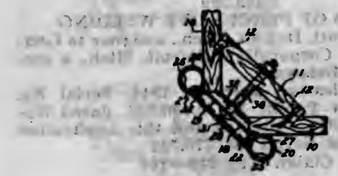
1. A furnace for the continuous heat-treatment of metal bearing material and for the recovery of the treated materials in the solid state comprising a closed combustion chamber of a substantially rectangular cross-section composed of two long front and rear walls, two short side walls, a base and a roof portion, a multitude of substantially horizontal retorts located in vertically superposed and parallel side-by-side relationship in said chamber, said retorts extending with their longitudinal axes at a right angle to the longitudinal extension of said chamber, at least two heating compartments and an intermediary wall therebetween in said chamber, said heating compartments and said separating wall extending in parallel relationship throughout the entire length of said chamber, said retorts projecting at both ends from said chamber, means to charge the materials to be treated at the one retort end, means to continuously propel the charge through said retorts and to discharge the treated materials from the opposite retort end.

2,485,783
PRESSURE SWITCH
Richard Shaw, Jr., Bergenfield, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 25, 1946, Serial No. 664,337
8 Claims. (Cl. 200—81)



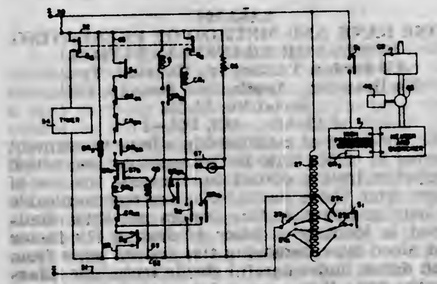
2. A pressure switch comprising, a pressure responsive member adapted to expand and contract under varying pressures, a pair of contacts adapted to be actuated by said member at a predetermined pressure value, a second pair of contacts, a solenoid adapted to be energized upon actuation of said first contacts to actuate said second contacts, and resilient means associated with said first contacts, said last means being biased by the core of said solenoid upon energization thereof to hold said first contacts actuated until a second predetermined pressure affects said member to restore said first contacts to their initial condition to de-energize said solenoid.

2,485,784
TABLE LEG FASTENING MEANS
Abraham J. Shoenberg, Clinton, Mass., assignor to Empire Furniture Manufacturing Company, Clinton, Mass., a corporation of Massachusetts
Application January 12, 1946, Serial No. 641,937
8 Claims. (Cl. 311—113)



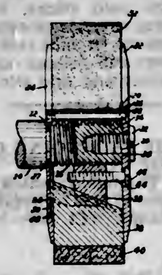
1. A table comprising two horizontally extending aprons positioned at an angle to one another with their adjacent ends terminating somewhat short of the apex of the angle, a cleat located inside the angle to connect the adjacent end portions of the aprons, a metal bracket extending across the ends of the aprons, the bracket including a central portion and two vertical channels on opposite sides of the central portion, fastening means connecting the central portion of the bracket to the cleat, and two upright tubular metal leg elements with their upper portions located in the respective channels.

2,485,785
HIGH-FREQUENCY INDUCTION HEATING SYSTEM
Herbert F. Storm, West Allis, Wis., assignor to Sunbeam Corporation, a corporation of Illinois
Application June 7, 1944, Serial No. 539,106
9 Claims. (Cl. 266—4)



9. In a high frequency induction heating system including a heating inductor, a source of high frequency energization therefor and fluid quenching apparatus, the combination of a control system comprising, timing means having a first and second control operating position, said timing means having independently controllable time delays in operating in different directions between said two positions, means responsive to the operation of said timing means from said first operating control position to said second operating control position for controlling said timing means to determine the heating period of said inductor, and means responsive to the operation of said timing means from said second operating control position to said first operating control position for controlling said timing means to determine the period of operation of the quenching apparatus, manually operable means for initiating the heating and quenching cycle, and means energized simultaneously with energization of said inductor for preventing repetition of the heating and quenching cycle without a second operation of said manually operable means.

2,485,786
ROTARY ABRADING TOOL
Basil A. Strout, Saugus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 19, 1946, Serial No. 15,862
12 Claims. (Cl. 51—190)



1. In a rotary abrading tool, an expansible tool body having a periphery adapted to carry an endless band of abrasive sheet material, a rotary shaft, a nut threaded on said shaft, said nut and said tool body having complementally beveled engaging surfaces arranged to cause the tool body to be expanded by wedging action of the nut when the nut is turned on the shaft, and means for holding the tool body against axial movement relative to the shaft.

2,485,787
COMBINATION HAIRCUTTING MACHINE
John Sutch, Seattle, Wash.
Application June 17, 1946, Serial No. 677,219
3 Claims. (Cl. 30—197)



1. A hair clipper comprising a cylindrical handle having a motor therein, a substantially semicircular housing detachably mounted on one end of the handle with the flat side thereof perpendicular to the axis of the handle and with the handle extending from the semi-circular section thereof, a guard having comb teeth positioned across the straight side of the housing with the teeth extending therefrom, means hinging the guard to the lower side of the housing, a rotative cutter having radially disposed cutting blades rotatably mounted in the housing and positioned above the guard, a vertical spindle on which the cutter is mounted, and means rotating the cutter through the spindle from the motor in the handle.

2,485,788
TETHERED PROJECTILE TOY
Joe A. Terrell, Fort Worth, Tex.
Application March 2, 1946, Serial No. 651,531
2 Claims. (Cl. 273—97)



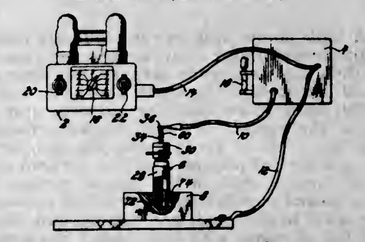
1. In a skill testing toy, a biconical body having recessed ends and a borehole longitudinally of said body and centrally of said recessed ends, a pair of sticks having handles and pintles opposite said handles; the said sticks, when manually manipulated, being capable of engaging with the ends of said borehole in said recesses while said body is in midair, and means comprising cords connecting said body and said sticks.

2,485,789
PRESS FOR THE PACKAGING OF BUNDLES OF CURRENCY
Paul W. Thomas, Jamaica, N. Y.
Application June 27, 1947, Serial No. 757,458
2 Claims. (Cl. 100—9)



1. For the formation of a group of bundles of currency, the notes of each bundle being confined by a central strap, into a package in which the bundles and their components are in a close association effected by applied pressure and are so permanently maintained by relatively wide straps of flexible, non-stretchable, material looped under tension about the package near its ends and having overlying portions secured together, a press comprising a base having upwardly extending longitudinal marginal flanges and thereby formed as a way in which bundles of currency may be transversely arranged and guided for sliding movement longitudinally of the way, the base being formed with longitudinal slots extending through the area in which compression of the bundles is effected, a plurality of transversely spaced stops normal to and secured at the forward end of said way for limiting the forward movement of the bundles, the spacing of the stops providing vertical slots in alinement with and constituting angular continuations of the slots of the base, a block slidably mounted in the way and operative in its forward movement to compress bundles of currency against said stops, the block having upon its front face transversely spaced vertical ribs for direct engagement with the adjacent bundle, certain pairs of said ribs providing vertical recesses or slots in alinement with and constituting continuations of the slots in the base, the slots in the base and the slots provided by the spacing of the stops and the ribs enabling the application of the straps to the package while it is held under compression, the straps being looped under tension about the package to maintain it under compression, the stops and the ribs severally constituting opposed series of companion elements for the application of compression pressure to the bundles, the centrally located elements of at least one of the opposed series providing a vertical slot for the accommodation of the increment of thickness of the package due to the central straps about the several bundles, and means for effecting a slidable movement of the block in either longitudinal direction of the way, the base being provided adjacent its sides with longitudinal supporting flanges of uniform depth and the flanges being cut away throughout an extent commensurate with the slotted area of the base in which compression of the bundles is effected.

2,485,790
METHOD OF PERCUSSIVE WELDING
Winfield J. Trott, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application July 31, 1944, Serial No. 547,360, now Patent No. 2,430,260, dated November 4, 1947. Divided and this application May 18, 1946, Serial No. 670,733
1 Claim. (Cl. 219—10)



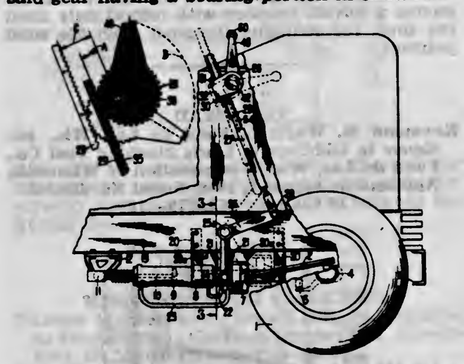
In a method of percussively welding two members together by the steps of discharging a storage condenser which is connected to the two members in spaced relation, the steps of causing one member to approach the other at appreciable speed, lightly frictionally supporting one of the members so that upon contact of the two members there will be maintained a substantially constant engaging force between the members during welding.

2,485,791
BONE BANK AND METHOD OF PRESERVING BONES FOR TRANSPLANTATION
Eli Jordan Tucker, Jr., Houston, Tex.
No Drawing. Application June 10, 1948, Serial No. 32,253
4 Claims. (Cl. 128—1)

4. A method of maintaining a bone or segment thereof in viable state for transplantation, which comprises testing donors to eliminate the use of bones from those having diseases communicable by bone grafting, testing donors not thus eliminated to identify a donor of desired Rh factor and blood type, removing the desired bone from such donor under careful sterile technique, placing the bone thus removed in containing means having therein a culture of protein blood components containing an anti-biotic agent, and maintaining the contents of the container at temperatures below normal body temperature.
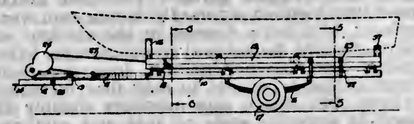
2,485,792
GEAR AND RACK TYPE CONTROL
William G. Van Voorhis, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application January 14, 1947, Serial No. 721,992
9 Claims. (Cl. 74—422)

1. A rack and gear unit comprising a supporting bracket, a rack guide carried by said bracket, a rack bar mounted on said guide for longitudinal movement, a fixed pivot, a gear carried eccentrically by said pivot and meshing with said rack, said rack bar being mounted for bodily movement with said bracket in the plane of said eccentric gear towards and away from said pivot, said gear having a bearing portion in fixed rela-



tionship thereto which is rotatably mounted in said bracket and is also eccentric to said pivot in the same relationship as said eccentric gear so as to move said bracket and rack bar towards and away from said pivot in accordance with rotation of said eccentric gear, and a lever secured to said gear for rotating said gear and for moving said rack bar longitudinally of said guide.

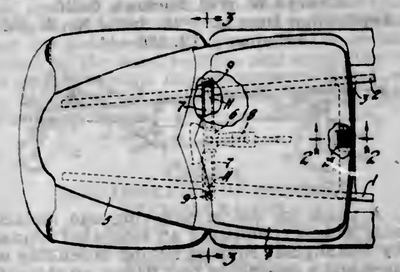
2,485,793
BOAT TRAILER
Ira D. Vassar, Perkins, Okla.
Application May 3, 1948, Serial No. 24,709
4 Claims. (Cl. 214—85)



1. A boat trailer comprising a main frame having a wheel arrangement connected to the same and a forwardly extending tongue portion, a boat carriage adapted to support a boat connected to the main frame for longitudinal adjustment therealong, said boat carriage having a transverse member having a plurality of adjustable holes therein, bracket means fixed to said transverse member centrally thereof, supporting arms connected to said bracket and adjustable brackets connected to said supporting arms for supporting the boat on said carriage, a winch device connected to the tongue and to the boat carriage for drawing the same onto the main trailer frame or for releasing the same rearwardly for the purpose of receiving the same or releasing a boat therefrom.

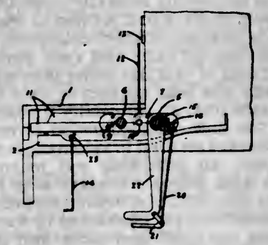
2,485,794
TRUCK CAB MOUNT
Ronald J. Waterbury, Birmingham, and Ellis J. Premo, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 18, 1946, Serial No. 710,508
4 Claims. (Cl. 296—35)

4. In a motor vehicle having a frame and a body, transversely spaced supporting connections between one end of the body and the frame, a pair of longitudinally spaced brackets at the other end of the body, a swinging shackle pivoted at one end in the space between said brackets,



a frame carried yoke projecting into said bracket space in straddle relation to the shackle pivot and a pivotal connection between the yoke and said shackle.

2,485,795
TRANSPOSING KEYBOARD
William H. Watkins, Axton, Va.
Application February 1, 1946, Serial No. 644,884
1 Claim. (Cl. 84—447)
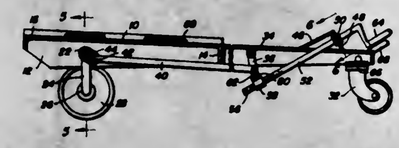


In a transposing keyboard for pianos and the like, including a fixed action, a fixed guide rod extending across said action, and a carriage slidable on said rod, a keyboard operatively disposed on said carriage relative to said action and shiftable with said carriage; an actuating handle for said carriage, a spring loaded brake carried by said carriage and normally engaging said rod to lock said carriage against movement, and a brake lever juxtaposed to said handle to permit simultaneous release of said brake shifting of said carriage.

2,485,796
POLYMERIZATION OF VINYL ESTERS
Jesse O. White, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1946, Serial No. 643,458
6 Claims. (Cl. 260—87.3)

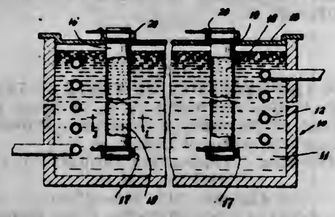
5. A process of polymerizing vinyl compounds to produce a granular product which comprises dispersing the said vinyl compound in an aqueous medium; adding thereto in a proportion of 0.28–0.66 part, by weight, to 100 parts of the said dispersed vinyl compound a completely hydrolyzed ethylene/vinyl acetate copolymer, the said hydrolyzed copolymer having 2%–8% ethylene after hydrolysis; adding ethylene thereto and polymerizing the said vinyl compound.

2,485,797
WHEEL TRUCK HAVING A FORWARD SWINGABLE AND ADJUSTABLE WHEELED SUPPORT
Conrad W. Will, Fortuna, Calif.
Application June 11, 1948, Serial No. 32,435
2 Claims. (Cl. 280—44)



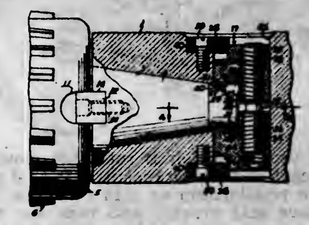
1. A truck for use in removing and replacing vehicle wheels comprising an elongated substantially rectangular support having depending end flanges and a depending rear flange, an elongated channel shaped extension fixed to and projecting laterally from the rear flange of said support, a rear wheel secured to the extension for swivel movement, said end flanges having aperatures, a shaft having its ends journalled for rotation in the apertures provided in said end flanges, lateral projections fixed to the shaft adjacent the ends of said shaft and limiting sliding movement of the shaft relative to the end flanges, stub axles fixed to said projections and extending outwardly from the end flanges, a forward pair of wheels mounted on the stub axles, a pair of spaced ears fixed to and projecting laterally from the central portion of said shaft, a link pivoted to and depending from the channel shaped extension, an actuator bar having forward and rear portions, the forward portion of said bar being pivoted between said ears and the rear portion of said bar being pivoted to said link, an internally threaded sleeve pivoted to the link, said extension having a slot, a support bracket secured to said handle and overlying the slot, an adjusting rod journalled for rotation on said support bracket and extending through the slot, said rod being threadingly connected to said sleeve for movement of the actuator bar to rotate the shaft and move and retain the forward wheels adjusted relative to the rectangular support upon rotation of said adjusting rod.

2,485,798
PROCESS OF POLYMERIZATION
Stanley Whyte and Daniel D. Whyte, New York, N. Y., said Stanley Whyte assignor to said Daniel D. Whyte
Application July 17, 1945, Serial No. 605,621
2 Claims. (Cl. 18—58)



1. Process of polymerizing a liquid composition comprising a monomeric polymerizable organic compound which comprises introducing a substantial volume of the liquid composition into a non-rigid, substantially collapsible shell of material unreactive with respect to the liquid composition and the solid polymer formed therefrom, said shell being of a thickness of the order of .00025" to .050" and assuming a predetermined configuration when filled, immersing the shell carrying the liquid composition in a heating bath unreactive with the material of said shell for a period and at a temperature sufficient to polymerize the liquid composition into a solid polymerized product and after the formation of the solid polymer applying to the shell a reagent having a solvent reaction with respect only upon the shell, for stripping the shell from the solid polymer.

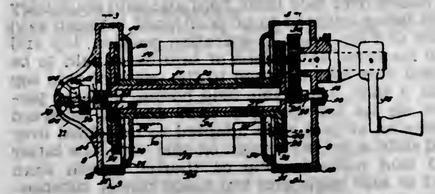
2,485,799
TOOLHEAD
Raymond M. Woytych, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application August 7, 1946, Serial No. 688,885
15 Claims. (Cl. 279—76)



1. A tool head comprising, in combination, a rotary cylindrical spindle body having an axial taper socket opening to one end and a diametrical slot of non-circular transverse form opening therethrough, a tool holder having a taper shank adapted to be removably inserted in tight bearing engagement in said socket, an axial cylindrical projection on the small end of said shank and adapted to extend from said socket into said slot, said projection being formed in opposite sides with straight parallel V-shaped notches presenting inclined outwardly facing cam wedge surfaces, and being formed in the extreme end with a straight diametrical groove parallel to said notches and having inclined inwardly facing wedge surfaces parallel to said first mentioned surfaces, two wedge cam members slidably disposed in opposite ends of said slot and each formed with spaced cam elements having cam faces adapted for surface engagement respectively with said inwardly and outwardly facing wedge surfaces respectively upon inward and outward movement of said cam members, means for locating said shank angularly in said socket to align said wedge surfaces with said cam faces, and means for simultaneously moving said cam members either inwardly into equalized locking engagement with said projection or outwardly to permit withdrawal of said projection.

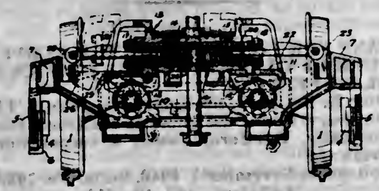
2,485,800
FISHING REEL
Eugene R. Zimmerman, Beloit, Wis.
Application October 10, 1947, Serial No. 779,034
6 Claims. (Cl. 242—84.7)

1. A fishing reel comprising a reel frame, a shaft journaled axially therein, a spindle detachably keyed to said shaft, manually actuated means for rotating said shaft and spindle, a reel spool rotatably mounted on said spindle and provided with end flanges, an end flange fixedly disposed on one end of said spindle, an end flange slidably keyed to the opposite end of said spindle, the end flanges of the spool being disposed between the end flanges of the spindle, a clutch pressure plate slidably and rotatably disposed on said shaft for bearing engagement with the outer side of said slidably keyed spindle flange, said shaft having a threaded portion disposed outwardly of the clutch pressure plate, and a



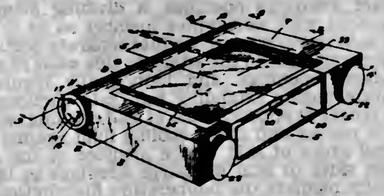
manually adjustable nut threaded thereon for engagement with the clutch pressure plate for variably clamping the spool flanges between the spindle flanges.

2,485,801
RAILWAY TRUCK STRUCTURE
Thomas H. Ainsworth, Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application April 18, 1945, Serial No. 588,927
8 Claims. (Cl. 105—186)



2. In a railway truck, a truck frame, a bolster supported from the frame and movable relative thereto transversely of the truck from a normal central position and including a center plate portion, coil springs arranged end to end transversely of the truck beneath said center plate portion, a follower between the inner ends of said springs, a seat for the outer end of each spring slidable in said passage and including a sleeve-like part extending inwardly of the spring coil and terminating in a portion normally spaced from and opposing said follower, and a strut-like member at each side of the truck having one end secured to the adjacent side of the truck frame and having its other end slidable in the sleeve-like part of the adjacent spring seat and adapted to engage the inner end of the same to limit the movement of the seat towards the adjacent side of the truck.

2,485,802
COMBINATION UTILITY CASE AND ROLL BOOK
George R. Asachika, Miami, Fla.
Application April 3, 1946, Serial No. 659,389
3 Claims. (Cl. 40—86)

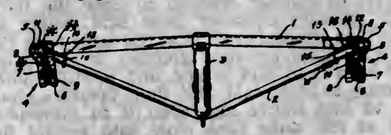


1. A device of the character described comprising a pair of fixed casing sections and a pivotally mounted casing section arranged between the fixed sections, pivotal means for the pivoted section carried by the fixed sections, means for maintaining the sections in fixed relation, spools in the fixed sections, a printed strip engaging the spools, means for rotating the spools, strip guides formed upon the pivoted section, transparent cover plates carried by the fixed sections and extending over the pivoted section, said transparent plates serving as means for retaining the pivoted section against movement.

2,485,803
ELECTROLYSIS OF PRIMARY NITROALKANES
Carl T. Bahner, Jefferson City, Tenn.
No Drawing. Application July 29, 1944, Serial No. 547,287
7 Claims. (Cl. 204—79)

1. In the preparation of a mixture of nitroolefins and dinitroalkanes by electrolysis in an electrolytic cell having an inert anode and being separated into an anode compartment and a cathode compartment by means of a porous diaphragm, the process which comprises introducing into the anode compartment of said cell in contact with said anode an aqueous solution of the alkali metal salt of an aci-1-nitrolkane containing from two to eight carbon atoms, passing an electric current through said cell from the anode to the cathode at a current density of from about 0.03 to 0.11 ampere per square centimeter while maintaining the temperature within the range of about 10° to 48° C. until conversion to a mixture of nitroolefin and dinitroalkane has occurred, and recovering the resulting nitroolefin and dinitroalkane from the anolyte.

2,485,804
BRAKEHEAD RETAINER AND BEAM
Rodney Bedell, Webster Groves, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1946, Serial No. 700,061
8 Claims. (Cl. 188—224.1)

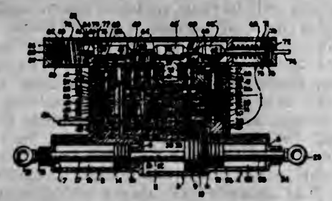


1. In a railway truss-type brake beam including a compression member and a tension member, a brake head mounted on said members, and an elongated element with an end extending around at least one of said members and with the other end hooked into the brake head to prevent accidental removal of said brake head from said members.

2,485,805
FLUID PRESSURE CONTROLLED POSITIONING DEVICE
Arthur J. Bent, Penn Township, Allegheny County, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 30, 1947, Serial No. 745,075
3 Claims. (Cl. 121—38)

1. A four position fluid pressure controlled apparatus comprising in combination with a source of fluid under pressure, a first cylinder, a second cylinder of greater diameter than said first cylinder arranged coaxially therewith and

separated therefrom by a first partition, a third cylinder of diameter equal to that of said first cylinder arranged in alignment with said second cylinder and separated therefrom by a second partition, first piston means slidably disposed in said first cylinder dividing it into a first fluid pressure chamber and a second fluid pressure chamber adjacent to said partition, a first adjusting rod secured to said first piston means for movement therewith and extending therefrom through said first fluid pressure chamber, second piston means of greater area slidably disposed in said second cylinder dividing it into a third fluid pressure chamber and an atmospheric chamber adjacent to said first partition, rigid means secured to said second piston means extending through said first partition for cooperation with said first piston means, means for limiting travel of said second piston means to a distance less than that of said first piston means, third piston means of area equal to that of said first piston means slidably disposed



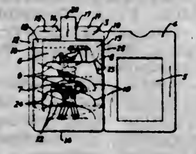
in said third cylinder dividing it into a fourth fluid pressure chamber and a fifth fluid pressure chamber adjacent to said second partition, a second adjusting rod secured to said third piston means for movement therewith and extending therefrom through said third fluid pressure chamber, and valve means operative to one position to open said first fluid pressure chamber and said fourth fluid pressure chamber to said source and to open the second, third and fifth chambers to atmosphere, operative to another position to close the third fluid pressure chamber to atmosphere and open it to said source, to another position to close the fourth fluid pressure chamber from said source and open it to atmosphere and at the same time close the fifth fluid pressure chamber to atmosphere and open it to said source, and to still another position to close said first fluid pressure chamber to said source and open it to atmosphere and at the same time close said second fluid pressure chamber to atmosphere and open it to said source.

2,485,806

CHANGING PICTURE COMPRISING ONE STATIONARY AND ONE SLIDING PICTURE

Martin Berg, New York, N. Y.

Application October 15, 1945, Serial No. 622,382
1 Claim. (Cl. 40—62)



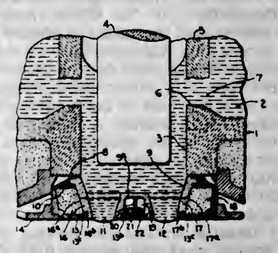
In a changing picture, a basic field, a top field having a window integral with and in sideward extension of said basic field, a stationary field having a picture on its rear side integral with and in low end extension of said basic field, both said top and said stationary fields being adapted to be folded over said basic field and said stationary field being adapted to be positioned between said basic and top fields in operative position, top and side marginal extensions of said basic field to be folded over and fastened to the edges of said top field, a slide, a movable field having another picture on its top integral with and in sideward extension of said slide adapted to be folded over said slide, a pull extension on said slide, the latter and said movable field of shorter length than that of said basic and top fields and of substantially the same length as the said stationary field, diagonal and horizontal slats in the said stationary and movable fields, respectively, said slide being positioned between said basic and stationary field, strips in said stationary field formed by its slats and penetrating the slats of said movable field, said slide and said movable field moving upwards and downwards between said basic and top fields, the folded over marginal extension of said basic field forming an abutment for said upward movement and the folding line of said basic and stationary fields forming an abutment for said downward movement.

2,485,807

MEANS FOR CONTROLLING THE TEMPERATURE OF GLASS IN PLURAL ORIFICES OF GLASS FEEDERS

Walter K. Berthold, Rockville, and John S. Light, Simsbury, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application November 7, 1946, Serial No. 708,380
8 Claims. (Cl. 49—55)



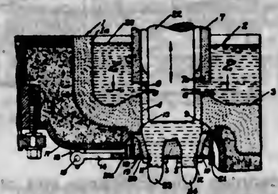
1. Temperature regulating apparatus for a double gob glass feeder orifice structure comprising an orifice member having a lower portion formed to define a pair of downwardly directed, adjacent discharge openings therein and a transverse groove in its bottom surface extending between and spacing apart the adjacent side walls of said discharge openings, a dividing member associated with said orifice member so as to divide said transverse groove into separate portions respectively next to the adjacent side walls of said discharge openings, and individually regulable separate means extending into said portions of said groove at opposite sides of said dividing member to convey and direct cooling fluid against localized areas of said orifice member at the adjacent sides of said discharge openings to individually regulate the temperature distribution of glass flowing through each of said discharge openings.

2,485,808

APPARATUS FOR AND METHOD OF FEEDING MOLTEN GLASS IN PLURAL CHARGES

Walter K. Berthold, Rockville, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application November 30, 1946, Serial No. 713,326
6 Claims. (Cl. 49—55)



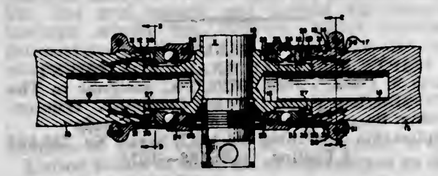
1. In combination, in a suspended charge "double gob" glass feeder, molten glass retaining means formed to define an outlet in a lower portion thereof, a reciprocable refractory implement operatively disposed in relation to said outlet, a rotatable adjustable refractory tube operatively disposed above said outlet and substantially concentrically located around said implement, and an orifice structure operatively disposed beneath said outlet of said glass retaining means, said tube being adapted, when rotated, to co-act with said glass retaining means to cause different heads of glass over different portions of said orifice structure, said orifice structure having a pair of discharge orifices formed in a lower portion thereof in locations such that they are under two such different heads, said orifices differing in diameter inversely to said heads, whereby a pair of simultaneously produced uniform molten charges may be concurrently discharged from said orifices under the control of said implement and said tube.

2,485,809

PROPELLER MOUNTING

David Biermann, Piqua, Ohio, assignor to Hartzell Industries, Inc., Piqua, Ohio, a corporation of Delaware

Application May 16, 1946, Serial No. 670,205
4 Claims. (Cl. 170—173)



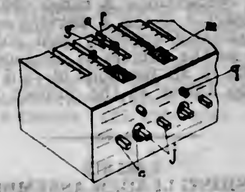
1. Means for mounting a non-ferrous propeller blade upon a propeller hub, comprising the combination, a propeller hub, a split ferrule attached to said hub, said ferrule having an annular flange protruding inwardly of the ferrule, a propeller blade having a blade shank received within said ferrule and having an annular recess receiving said flange, means clamping said ferrule upon said shank, said flange retaining said shank within said ferrule upon development of centrifugal tension in said shank, a member extending transversely of said ferrule inwardly of the outer end thereof abutting the inner end of said shank and unsupported by said ferrule or said hub, said member having an annular portion in axial alignment with said flange to thereby receive shear stresses from said shank, and a plurality of screws in threaded engagement with said shank securing said member against said shank and inclined angularly inwardly toward the axis of said shank to re-distribute stresses received by said member into said shank.

2,485,810

APPARATUS FOR DETERMINING THE CORRECT TRACING OF RAILWAY TRACKS

Louis Bienfait, Chambly, France

Application October 21, 1946, Serial No. 704,649
In France May 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 12, 1962
4 Claims. (Cl. 33—1)



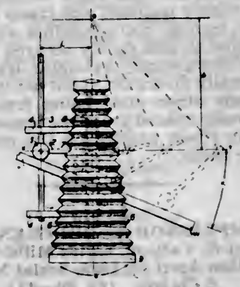
1. An apparatus of the type described which comprises, in combination, a plurality of mechanical means for indicating chord heights, said mechanical means being disposed adjacent one another, means for independently setting said indicating means to given values, means for adjusting said mechanical indicating means adapted to impart a direct displacement to one of said indicating means, and said adjusting means including means to impart indirect displacements of an amplitude equal to one half of this direct displacement, and in a direction opposed thereto, to the two indicating means disposed on either side of said first mentioned indicating means, and counting means for indicating the algebraic sum of the direct displacements imparted to each of said indicating means.

2,485,811

PHOTOGRAPHY IN RELIEF

Maurice Bonnet, Paris, France, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France, a corporation of France

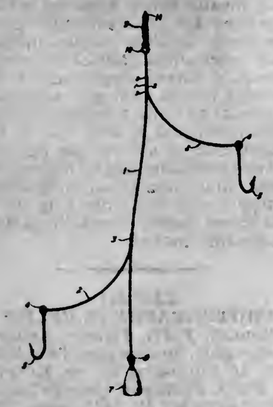
Application November 19, 1945, Serial No. 629,483
In France November 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1964
15 Claims. (Cl. 95—18)



1. In a continuous recording apparatus for photography in relief, adapted for use over varying distances and comprising a support for the apparatus, a photographic camera having a lenticular selecting screen or network associated therewith, and means for pivoting said cam-

era about a vertical axis, and a movable carriage mounted for displacement perpendicular to a predetermined right line joining the apparatus and the subject to be photographed, said camera being supported on said carriage, and rectilinear guides connected to the apparatus support for controlling the movement of said carriage, a horizontal control arm connected at its one end to said carriage in fixed angular relation to the camera, said arm having its axis passing through the vertical pivoting axis of said camera and being disposed perpendicularly to the optical axis thereof, a roller having a support mechanically connected to said arm at its other end and said arm being slidable along its axis through one of its end connections, a ramp oblique to said guides connected to the apparatus support, and means constantly applying said roller against said ramp as the camera is displaced, whereby said camera, in all positions of said carriage, is continuously aimed at the subject to be photographed.

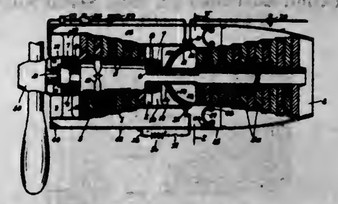
2,485,812
FISHING LEADER ASSEMBLY
Harry Bucciili, Detroit, Mich.
Application June 27, 1946, Serial No. 679,697
1 Claim. (Cl. 43—28)



A fishing leader assembly comprising an elongated leader formed by a single strand of highly resilient and freely flexible wire, a plurality of snells carried by and relatively spaced lengthwise of the leader, and each formed of a single strand of highly resilient and freely flexible wire, the snells having corresponding ends substantially parallel to and rigidly secured to the leader and being downwardly extended from said ends while normally diverging in curved form from the leader, their other ends being free and materially laterally spaced from the leader, and hooks respectively freely pivoted on the respective free ends of the snells.

2,485,813
COMPRESSOR-TURBINE ENGINE
Bert G. Carlson, Gates Mills, Ohio
Application April 30, 1945, Serial No. 591,145
6 Claims. (Cl. 60—41)

1. An engine of the compressor-turbine type comprising a housing having a passage therethru, a rotatable shaft in said passage, a set of compressor blades on the shaft and housing extending rearwardly from the intake end of said passage, a set of turbine blades on the housing and shaft extending forwardly from the discharge end of said passage, an apertured wall extending inwardly from said housing, an apertured wall extending outwardly from said shaft, said walls lying close to each other and constituting a partition across said passage, said



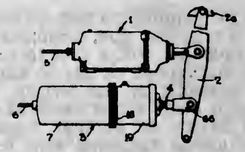
partition defining the discharge end of a compression chamber open at the inlet end of said passage in front of said compressor blades and the inlet end of an explosion chamber open at the discharge end of said passage beyond said turbine blades.

2,485,814
OUTSIDE LOCKET VANITY CASE
Albert M. Cohan, Chicago, Ill.
Application October 11, 1945, Serial No. 621,705
2 Claims. (Cl. 132—83)



1. In a vanity case having a cover with a relatively flat top surface, the combination with said vanity case, of a locket comprising a frame seated directly on said top surface of the cover, means for securing the frame to the cover, said frame having means therein for receiving and holding a picture exposed through the top of the frame, and a cover hinged to the frame in position to extend over the picture and having an inside mirror surface thereon.

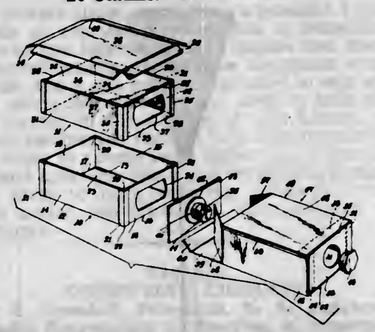
2,485,815
EMPTY AND LOAD BRAKE EQUIPMENT
Earle S. Cook, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 29, 1947, Serial No. 788,805
8 Claims. (Cl. 188—107)



1. In a fluid pressure brake equipment for a car, comprising an empty brake cylinder device for effecting actuation of a brake lever to take up slack in the brake rigging and subsequently to apply a force to said lever for applying the brakes on said car, the combination of a load brake cylinder device comprising a brake cylinder piston operable by fluid under pressure from a normal rest position, a hollow piston rod secured for movement with said piston, a push rod

reciprocable within said piston rod and adapted to be connected to said brake lever for movement therewith to an extended position, a second piston attached to said push rod and slidably mounted in said hollow piston rod forming a chamber therein between said brake cylinder piston and said second piston, a reservoir containing liquid and normally open to said chamber, and valve means operative upon said operation of said brake cylinder piston to close communication between said chamber and said reservoir to trap a column of liquid between said brake cylinder piston and said second piston for applying a force through the extended push rod to said brake lever.

2,485,816
DISPENSING CONTAINER
Rhodena C. Daisemer, New York, N. Y., assignor to Siftproof Carton Associates, New York, N. Y., a partnership
Application June 7, 1944, Serial No. 539,202
10 Claims. Cl. 222—566)



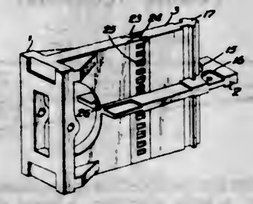
1. A cardboard container including an open-topped tray-like box provided with an end opening and adapted to hold a powder, a second open-topped tray forming a cover for said tray-like box, a cardboard mount adapted to fit over and partially close said end opening, a delivery outlet member carried by said mount, and a cover member adapted to enclose said covered tray-like box and mount and having an opening through which the delivery outlet member projects and enclosing the covered tray-like box and mount.

2,485,817
DETONATOR SAFETY DEVICE
Sheldon H. Dike, Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy
Application April 15, 1943, Serial No. 483,303
4 Claims. (Cl. 102—70.2)



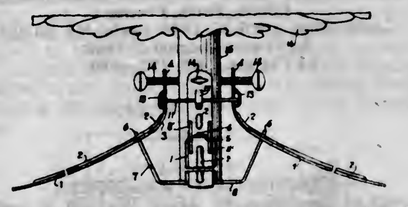
1. A safety device comprising a safety member movable between operative and inoperative positions, means including a thermo-responsive element for holding said member in its operative position, means for heating the thermo-responsive element to release the safety member, said device having an explosion discharge passage therein, a detonating element disposed in said explosion-discharge passage, a gate normally blocking said passage and movable to a position for clearing said passage, and means under control of the safety member for locking the gate in the passage and operable to release the gate on movement of said member to its inoperative position.

2,485,818
TELEPHONE KEY WITH BISECTING PLATE
Hendrik Dorjee, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 24, 1946, Serial No. 705,340
In the Netherlands August 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 28, 1965
5 Claims. (Cl. 179—176)



1. An electrical contact device comprising an electrically insulating wall portion provided with a recess at one end thereof and having a surface thereof lying in a given plane, an electrically insulating fastening portion provided with an aperture, said fastening portion having the major surface thereof lying in a plane substantially perpendicular to said first plane and being integral to said wall portion, an electrically insulating mounting portion integral to said wall portion and having a mounting surface thereof lying in a plane substantially perpendicular to the planes of said wall portion and said fastening portion, a spring-contact assembly secured to said mounting portion and having a portion thereof positioned adjacent to said supporting portion and extending towards said fastening portion, and a rotatable member pivotally secured within the aperture of said fastening portion and extending into said recess portion.

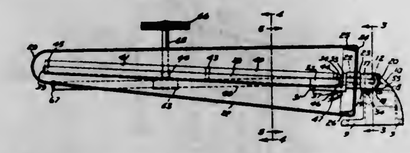
2,485,819
TREE HOLDER
Walter C. Doebling, Evansville, Ind.
Application January 9, 1946, Serial No. 640,012
2 Claims. (Cl. 248—44)



1. A tree holder comprising a plurality of main arms equidistantly spaced from one another and of curvilinear shape, said arms being bent upwardly and inwardly in a vertical direction to define an enclosure, a base for receiving the lower surface of a trunk of a tree, said base having

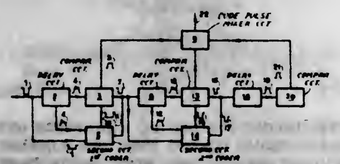
auxiliary arms extending angularly upward, slot means in said main arms for detachably receiving said auxiliary arms, a frame surrounding the upper portions of said main arms, said main arms having hook-like portions for detachably engaging said frame whereby said main arms are held in position transversely, and means for adjustably clamping the upper portions of said main arms about said trunk whereby said main arms are urged downwardly on a foundation surface to prevent disengagement of said auxiliary arms from said main arms.

2,485,820
STOCKING INSPECTION DEVICE HAVING ILLUMINATING AND MAGNIFYING MEANS
Henry Gilbert, North Hollywood, Calif., assignor, by mesne assignments, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware
Application December 29, 1945, Serial No. 638,255
7 Claims. (Cl. 88—14)



1. A device for facilitating inspection of hosiery, comprising: a base member; a pivot shaft rotatable on said base member; a spindle carried by said pivot shaft; a hollow translucent conical support member coaxial with and rotatable on said spindle and adapted to support a stocking; interengaging means on said base member and said spindle adapted to releasably retain said spindle in a position extending laterally from said base member and inclined at an angle disposing the upper surface of said support member horizontally; electric fluorescent tubes within said support member for illuminating said support member to cause the filaments of said stocking to be silhouetted thereagainst; a guide member carried by said pivot shaft; and optical magnifying means movable along said guide member and through which the filaments of said stocking can be viewed, said guide member normally extending horizontally from said pivot shaft to adapt said magnifying means to move in a path parallel to said upper surface of said support member.

2,485,821
TRANSLATION OF DURATION MODULATED CODE PULSES INTO EQUAL LENGTH CODE PULSES
Paul François Marie Gloess and Louis Joseph Libois, Paris, France
Application April 28, 1949, Serial No. 90,252
In France August 5, 1948
11 Claims. (Cl. 177—380)



4. A device for translating recurrent electric pulses, modulated in duration by time displacement of their trailing edges, into coded pulses, comprising a cascade of coupled coding stages equal in number to the code elements, means in each stage whereby the stages compare successively the duration of said modulated pulses with predetermined reference time intervals one for each stage and successively related in value by a common multiplier, the first one of said time intervals having a predetermined value amounting to a substantial part of the maximum modulation duration, and each stage also having means to transmit a code pulse corresponding to that stage in response to excess value of the modulation duration of the incoming pulse over the reference interval of that stage.

2,485,822
DRUM BEATER
Manny Goldrich, Hewlett, N. Y., assignor to William D. Gladstone, New York, N. Y.
Application September 13, 1945, Serial No. 616,043
8 Claims. (Cl. 84—422)



4. A musical instrument comprising a wire brush having a tubular handler, a plurality of wires adapted to protrude from one end of said handle, a clip for said wires, said clip being slidable in said handle, a rod in the interior of said handle and having one end threadedly engaging said clip for adjusting the effective length and spread of the wires, said rod having a loop located externally of said handle at its other end, said handle having a slot at the end adjacent said loop for preventing rotation of said rod when said rod is pushed for its whole length into said handle.

2,485,823
DRUM BEATER
Manny Goldrich, Hewlett, N. Y., assignor to William D. Gladstone, New York, N. Y.
Application April 26, 1946, Serial No. 665,099
8 Claims. (Cl. 84—422)



3. A musical instrument comprising a wire brush having a tubular handle, a plurality of wires adapted to protrude from one end of said handle, a clip for said wires, said clip being slidable in said handle, a rod in the interior of said handle and having one end engaging said clip

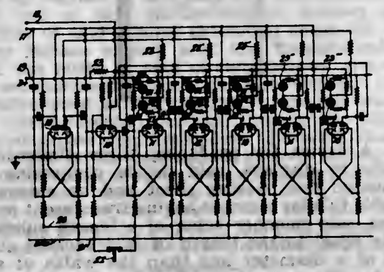
for varying the effective length and spread of the wires, said rod having a loop located externally of said handle at its other end, said loop having a spiral spring thereon over the major portion of its length for controlling the extent of entry of said rod into said handle, the turns of said spring being differently spaced at different portions along said spring, one end of said spring being located outside of said loop.

2,485,824
DRUM BEATER
William D. Gladstone, New York, N. Y.
Application May 8, 1946, Serial No. 668,069
6 Claims. (Cl. 84—422)



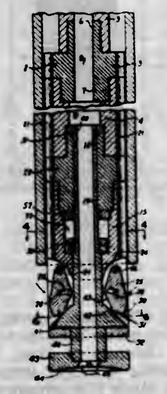
6. A wire brush comprising a straight tubular handle of circular cross-section, a plurality of wires in the interior of said handle and having an overall length greater than the length of said handle, and a clip securely fastened to said wires at a point intermediate the ends of said wires and located in the interior of said handle, said handle having apertures at both ends for enabling said wires to extend from either end of the handle, said apertures being of different size to enable said wires to have relatively different spreads when pulled out from said ends through said apertures.

2,485,825
COMPUTING CIRCUITS
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 18, 1944, Serial No. 518,771
7 Claims. (Cl. 235—92)



3. The combination of first and second trigger circuit units each including a pair of electron discharge elements having their anodes and control grids cross-connected so that current is conducted only by one or the other of said elements, means for supplying current to said anodes, means including a pair of impedance elements connected between said current supply means and the first anode of the first of said units, and an impedance element connected between the junction of said pair of impedance elements and the first anode of said second unit, whereby the voltage drop of one impedance element of said pair is made to predominate when the first anode of said second unit is conducting current and the voltage drop of the other impedance element of said pair is made to predominate when the second anode of said second unit is conducting current.

2,485,826
WELL DRILLING MEANS
Peter J. Harinck, Ferndale, Mich.
Application April 19, 1948, Serial No. 22,000
1 Claim. (Cl. 255—76)



An apparatus for drilling a well into the earth while a casing for the drilled hole may be advanced thereinto as the drilling operation proceeds comprising, a hollow chuck attachable to a hollow drill pipe, a tool holder, said tool holder having an elongated hollow body, means slidably mounting the tool holder in the chuck, so that the lower end thereof depends below the chuck, the hollows of the drill pipe and the tool holder being in communication with each other for the passage of water, means at the depending end of the tool holder for receiving a cutting head, the chuck being adapted to have the casing passed thereover and the chuck having grooves in its outer surface for the passage of water, said chuck having a plurality of slots therein which open outwardly, a cutter element in each slot, means pivotally mounting each cutter element in its slot so that each cutter element may retract into its slot and may shift to project outwardly from its slot, so that the cutter elements, upon rotation of the chuck, enlarge the hole formed by the said cutting head to a diameter for receiving the casing, the tool holder having a plurality of cam shaped projections, one lying in each slot of the chuck for non-rotatably connecting the tool holder and chuck, each cam shaped projection having an angular surface for engaging a cutter element to shift the same to its outward projecting position as the tool holder is shifted axially relative to the chuck incident to the cutting head engaging the earth at the bottom of the formed well.

2,485,827
PROPELLER FOR AIRCRAFT
Robert N. Hartzell, Piqua, Ohio, assignor to Hartzell Industries Inc., Piqua, Ohio, a corporation of Ohio
Application November 5, 1945, Serial No. 626,693
2 Claims. (Cl. 170—159)

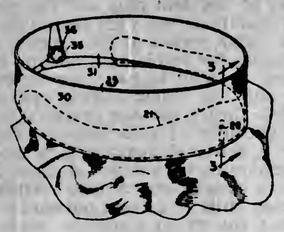
1. In a new article of manufacture for use as a propeller, a plurality of layers of fabric of differ-

ent weights super-imposed one over another and embedded in a thermosetting resin, said fabric layers being so arranged that the warp threads are parallel to the major axis of the propeller said fabric layers being arranged alternately with



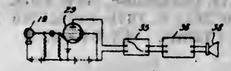
heavier fabric in alternate layers, at least one of said layers having warp threads that are heavier than the woof threads of that layer, the said lighter layer having a larger proportion of woof to warp threads than the proportion of woof to warp threads in the heavier layer.

2,485,828
CLERICAL VEST
Victoria T. Hauer, Dayton, Ohio
Application July 8, 1946, Serial No. 681,939
3 Claims. (Cl. 2—102)



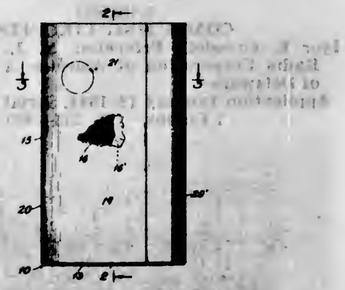
3. A clerical vest comprising, a vest, and a neckband thereon having free ends adapted to extend partially around the neck of a person wearing the same from the front to the back of the neck and between adjacent walls of a stiff collar, said neckband comprising a stiffening member which when disposed in a plane has a generally arcuate shape sweeping upwardly from the center portion toward the ends thereof with the lower edge of said stiffening member having the form of a segment of a circle, said stiffening member further having portions thereof intermediate the end portions and the center portion of lesser width than said end portions and center portion, said neckband having a portion thereof cut away whereby to form an opening at the front center of said stiffening member to receive a collar button for attachment thereof to a collar, and a cloth covering for said stiffening member having a button hole in alignment with said opening to receive a collar button.

2,485,829
APPARATUS FOR AND METHOD OF ELECTROOPTICALLY SCANNING AND REPRODUCING RECORDED OSCILLATIONS
Gilles Holst and Roelof Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 3, 1946, Serial No. 666,875
In the Netherlands August 30, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 30, 1961
23 Claims. (Cl. 179—100.3)



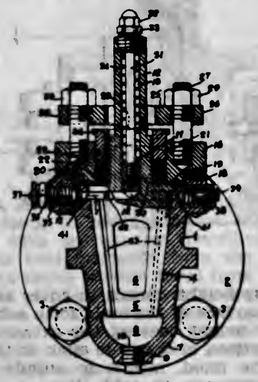
19. A method of reproducing sound from a sound track on a record which comprises scanning the sound track in elementary paths transversely of its length, establishing a current pulse for each scanning path, the amplitude of each pulse being dependent upon the transparency of an elementary area of the scanning path at any instant, translating said pulses into pulses of limited uniform amplitude, integrating said translated pulses into a variable current, and translating said variable current into sound.

2,485,830
THREE-DIMENSIONAL DISPLAY DEVICE
Herman H. Hutt, Brooklyn, N. Y.
Application May 1, 1946, Serial No. 666,329
7 Claims. (Cl. 40—126)



3. A device for producing three dimensional effects in displays, said device comprising an elongated flat backing sheet and an elongated flexible tubular member having translucent properties, said member being of a length substantially equal to the length of said backing sheet and of a diameter less than the width of said sheet, said member being flexed to elliptical shape in mounting the member on said sheet in engagement with side edge portions only thereof, the member forming on opposed surfaces of the sheet outwardly convexed wall portions spaced with respect to said surfaces, at least one wall portion of said member having a substantially opaque characterized portion thereon adapted to cast a shadow upon the adjacent surface of the sheet in producing a third dimensional effect of the characterized display, said surface of the sheet being characterized, said sheet being apertured to give vision to part of the other wall portion of said member through said sheet, and said sheet comprising a double wall having laterally extending base portions upon which the lower end of said member is adapted to rest.

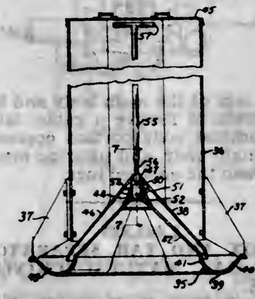
2,485,831
PLUG COCK VALVE
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application June 24, 1944, Serial No. 541,861
5 Claims. (Cl. 251—93)



1. A valve for controlling the flow of fluid through a pipe coupling, said coupling being provided with a main passageway and an angularly positioned bore communicating therewith, a valve plug within said bore adapted to rotate, a passageway laterally through said plug adapted to register with the coupling passageway when the plug is rotated, a plurality of grooves extending along the exterior surface of said plug lengthwise thereof and at least one of them extending the full length of the plug, a pair of circumferential grooves completely disconnected from one another, an opening extending longitudinally of the plug in the center and communicating with one of said circumferential grooves, and a spring-pressed plunger in said opening to force lubricant into said one circumferential groove, one of said grooves extending along the exterior surface of said plug and communicating with one of said circumferential grooves and another of said grooves extending along the exterior surface of said plug and communicating with the other of said circumferential grooves, the arrangement being such that lubricant may be introduced to the valve seat through one of the circumferential grooves, then to the longitudinal groove communicating therewith, finally to another of the longitudinal grooves and to the circumferential groove communicating therewith whereby the lubricant is forced down past the entire length of the plug at one side and then upwardly along the length of the plug at another side between the said circumferential grooves.

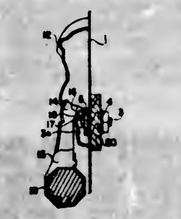
2,485,832
FEEDER
Stanley E. Keagle, Minneapolis, Minn.
Application January 17, 1946, Serial No. 641,752
2 Claims. (Cl. 119—53.5)

1. An animal feeder comprising a horizontal lower base member, a vertical hollow body member supported upon said lower member above and in spaced relation thereto, a horizontal upper base member, spaced apart, upwardly extending first straps upon said lower base member, a support, spaced apart, downwardly extending second straps upon said support disposed at right angular relation to said first straps, a block situated between said first and second straps, first means mounted in said first straps and said block supporting the block for pivotal movement relative to the first straps, second means mounted in said second straps and said block supporting the second straps for pivotal movement relative to the block, an internally threaded member rigid with said upper base member disposed above said support in vertically alined relation



therewith, the upper base member providing a passageway in which said support is slidably fitted, and a handle extending upwardly in said hollow body member including an externally threaded lower end portion engaged with said internally threaded member and a lower end rested against an upper surface of said support.

2,485,833
HANDLE ATTACHING MEANS
Floyd J. Kendall, Springfield, Ohio, assignor to The Springfield Metallic Casket Co., Inc., Springfield, Ohio, a corporation of Ohio
Application February 13, 1946, Serial No. 647,353
7 Claims. (Cl. 16—112)

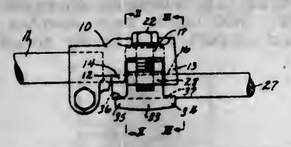


1. In an escutcheon plate and handle assembly, the combination of a supporting plate having means for attachment thereof to a casket, an escutcheon plate with an inwardly disposed attaching means and handle receiving apertures adjacent thereto, a handle assembly comprising a handle bar and spaced handle arms having individual means of attachment within the escutcheon plate to said supporting plate, said supporting plate being common to said handle arms and a common attaching means insertable through said supporting plate, said escutcheon plate and inner ends of the arms whereby the arms can pivot and the escutcheon plate will be retained in position with respect to the supporting plate and casket to which the assembly is attached.

2,485,834
SCREW CLAMP CABLE COUPLING
Robert L. Lock, Birmingham, Ala., assignor to Anderson Brass Works, a corporation of Alabama
Application October 28, 1947, Serial No. 782,542
5 Claims. (Cl. 24—125)

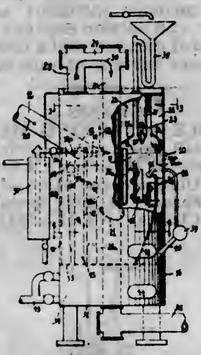
1. A cable clamp comprising a main body having opposed legs forming a U-shaped clamping

portion with spaced opposed seats, lateral lugs on the clamping portion positioned between the legs, a relatively movable clamping member having a cylindrical body portion movable between



the opposed legs of the main body and having an opening therein to receive a cable, lateral lugs on the cylindrical body portion opposed to the lugs on the main body, and securing means cooperating between the opposed lugs.

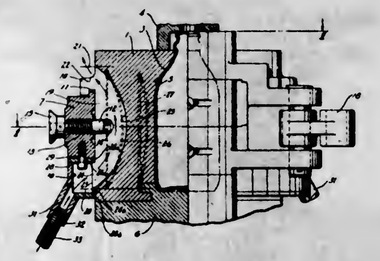
2,485,835
WASH BOX AND TAR SEPARATOR OF WATER-GAS MANUFACTURING MACHINES
George T. Macbeth, Bronxville, N. Y.
Application August 14, 1946, Serial No. 690,554
2 Claims. (Cl. 261—121)



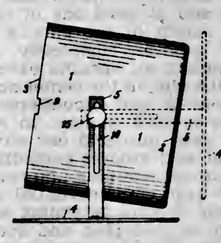
1. In a combination gas wash box and tar separator, a closed shell of substantial height with relation to its width, having a washing liquid in the lower part thereof and a gas receiving compartment thereover, a gas inlet pipe through the wall of the shell at said gas compartment, said inlet pipe being directed downwardly and inclined to the plane containing the point of its entry and the vertical axis of the shell, its lower end being underneath the level of said liquid, whereby the gas, leaving the same, will cause in said liquid downward and tangential whirling motions, and an exit pipe adapted to guide the gas from said gas compartment downwardly in the center of the device through said liquid, and then outwardly, generally vertical baffle plates secured on said center exit pipe, upstanding inclinedly placed baffle plates secured on the inside of the shell, and auger shaped, generally vertical, intermediate baffles between said inner and outer systems of baffles.

2,485,836
GLASSWARE MOLD COOLING MEANS
Hugh C. MacConnell, Jr., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application September 10, 1947, Serial No. 773,183
5 Claims. (Cl. 49—68)

1. A glassware mold comprising a body formed to provide a central cavity therein and having a plurality of angularly spaced substantially vertical slots formed in the material of the mold body from its outer surface toward the central cavity therein, each of said slots increasing in depth from its lower end for approximately half its height and decreasing in depth for the remainder of its height, means to cover said slots at the outer surface of the mold for a substantial part of their height, leaving the extreme upper and lower portions of the slots open at the outer surface of the mold, means to supply cooling fluid under pressure to said slots at one end thereof.

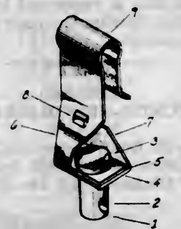


2,485,837
CONTAINER FOR ELECTRICAL APPARATUS
Samuel Nadelson, New York, N. Y.
Application March 14, 1946, Serial No. 654,274
2 Claims. (Cl. 220—69)



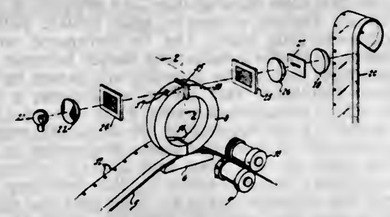
1. A device of the character described comprising, a casing for a lamp or other electrical device, said casing being open at the front end and closed at its rear end, a combined cover and supporting base for the casing consisting of a cover element shaped to fit over and close the forward open end of the casing, said cover having a flat outer face permitting it to be rested against a flat surface, the cover member having slotted arms extending substantially normal to said face and rigidly secured to said cover and embracing the sides of the casing and being slidably and adjustably secured to the casing at diametric points along an axis passing through the casing substantially at the intersection of medial longitudinal and transverse planes whereby the cover member may be either seated over the open front end of the casing or it may be swung to a position at either the side of the casing or behind the closed end of the casing to enable it to act as a supporting base for the casing while in either of the two latter positions, and said slots being of a length whereby the cover when positioned below the casing as a base support, the side arms will support the casing in an elevated position, and means for locking the arms in any position of the cover member relatively to the casing.

2,485,838
HANGER
Robert P. Nicol, Waterbury, Conn.
Application November 22, 1947, Serial No. 787,563
2 Claims. (Cl. 248—215)



1. A clothesline device for a garment hanger comprising, in combination, a base portion provided with an opening therethrough, a second portion bent upwardly from the said base portion, an upper portion arced from the said second portion and bent downwardly forming a lip hook fastener, an eyed shaft having a head rotatably mounted on said base portion with the shank of said eyed shaft descending perpendicularly from the said base portion.

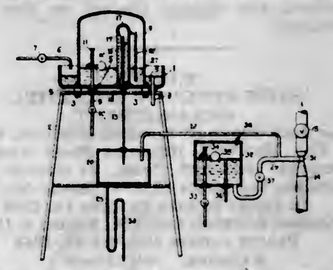
2,485,839
MAGNETIC-PHOTOGRAPHIC REREcording SYSTEM
Dorothy L. O'Dea, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1948, Serial No. 23,897
7 Claims. (Cl. 179—100.3)



1. A sound record transfer system comprising a medium carrying a magnetic sound record, a photographic emulsion adapted to have a sound record recorded thereon, a magnetic core having a pair of gaps therein and in which the magnetism is varied by said magnetic record passing one of said gaps in said core, an optical system for directing light to said photographic emulsion, a pair of crossed light polarizing elements in said optical system, and a light rotating element in said other gap of said core for modulating the light in accordance with the degree of magnetism in said core produced by said magnetic record.

2,485,840
APPARATUS FOR SUPPLYING A TREATING GAS
Georg Ornstein, New York, N. Y.
Application July 21, 1944, Serial No. 546,041
11 Claims. (Cl. 210—28)

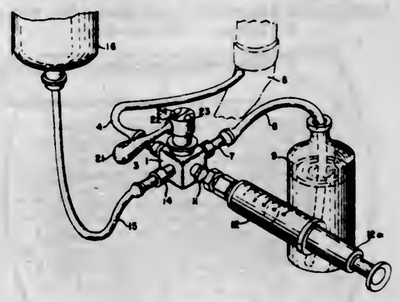
1. An apparatus for supplying a treating gas to a liquid to be treated comprising a closed container, valve means for admitting the gas into the closed container and maintaining the same at a constant pressure, a second container, second valve means for admitting liquid into the second container and maintaining the same at a substantially constant level, conduit means constructed and positioned to discharge gas from the closed container into the liquid to be treated, second conduit means constructed and positioned to discharge liquid from the second container into the liquid to be treated, suction means operatively connected with said first and second conduit means for aspirating gas through the first conduit means and liquid through the second conduit means, and third valve means included in the liquid discharge means for regulating the flow of aspirated liquid, thereby varying the proportion of gas and liquid aspirated by the suction means.



2,485,841
RECOVERY OF URANIUM AND VANADIUM FROM ORES
Arnold Pacyna, Lyndhurst, N. J.
No Drawing. Application October 29, 1940, Serial No. 363,313
9 Claims. (Cl. 23—14.5)

1. In a process of extracting vanadium and uranium from an ore containing these metals, the steps of first pulverizing the ore, then oxidizing the vanadium and uranium compounds therein and then extracting the vanadium and uranium compounds by treatment with a water solution of sodium dithioglycollate.

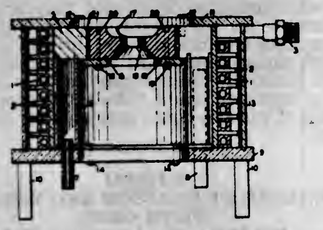
2,485,842
DIFFERENTIAL ANESTHESIA VALVE
William A. Pennington, Buckingham, Va.
Application July 27, 1946, Serial No. 686,637
2 Claims. (Cl. 128—214)



1. In an anesthesia apparatus, the combination of the valve body having spaced ports, four in number, a rotor having a single transverse passageway and two oppositely disposed quadrant surface passageways, a syringe connected to one of said ports, a source of anesthetic connected to an adjacent port, a source of saline solution connected to the other adjacent port and means of connecting the patient to the fourth port

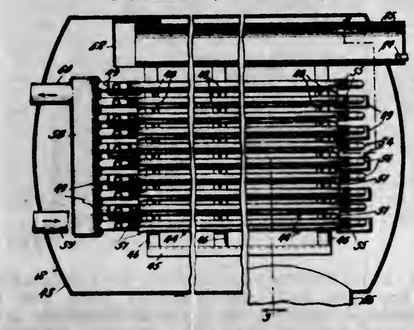
whereby as said valve is positioned in one position, its quadrant passageways will connect the saline solution to the patient and the anesthetic to the syringe and in the other position, the patient will be connected to the source of anesthetic only in the syringe while the source of anesthetic and the saline solution are cut off to prevent any mixing thereof on the way to the patient.

2,485,843
HIGH-FREQUENCY HEATING ARRANGEMENT
Arthur Jack Pinkney, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 17, 1947, Serial No. 792,218
In Great Britain October 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1964
6 Claims. (Cl. 219—47)



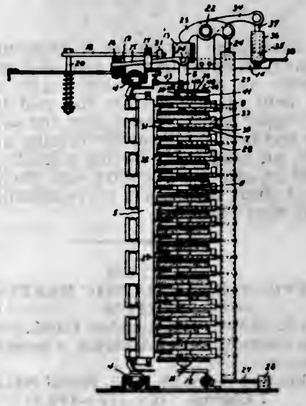
1. High frequency heating apparatus comprising a coil member for generating a high frequency heating field, a first electrically conductive tubular member fixedly secured within an end portion of said coil and provided with a slot longitudinally extending through a wall portion thereof, and a second electrically conductive tubular member positioned within said first tubular member and provided with a slot extending through a wall portion thereof.

2,485,844
EVAPORATOR HAVING AN EXTENDED VAPORIZING SURFACE AREA
John G. Reid, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 31, 1946, Serial No. 694,253
8 Claims. (Cl. 62—126)



1. A heat exchange device comprising a horizontal tray, means for maintaining a shallow pool of liquid refrigerant on the bottom of said tray, a horizontal heat exchange coil disposed within said tray with the bottom surface thereof resting upon the bottom of the tray, means for flowing a medium to be cooled through said coil, and capillary grooves formed of metal as an integral part of the outer surface of the coil for lifting liquid refrigerant from the tray onto the coil whereby a film of liquid refrigerant is formed thereon, which film is vaporized by heat supplied from the medium flowing through the coil thereby cooling said medium.

2,485,845
COTTON-PICKER-SPINDLE ROUGHENING MEANS
John D. Rust, Memphis, Tenn.
Application September 24, 1945, Serial No. 618,105
7 Claims. (Cl. 56—42)

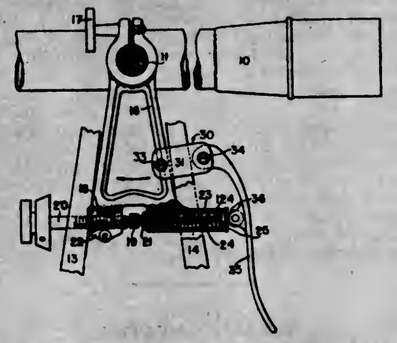


1. In a cotton picking machine wherein is provided an endless conveyor with cotton picking spindle-carrying slats: the improvement which includes a spindle roughening device between the elements of which the spindles are drawn by the endless conveyor; said device comprising a vertical set of abrasive-carrying discs spaced apart on a shaft, a corresponding set of spindle engaging shoes on a post, the shoes projecting in between pairs of said discs and spaced therefrom, the spindles being carried by the conveyor between the abrasive-carrying discs and the shoes, and means for moving said abrasive-carrying discs and said shoes in opposite directions along the axis of said shaft to bring the abrasive surfaces and said shoes into operative engagement with said spindles, said last named means comprising yieldable means for suspending said abrasive-disc-carrying shaft, means for suspending said shoe-carrying post, a rock shaft with a rocker engaging said abrasive-disc-carrying shaft and connected to said post by virtue of which as said rocker is moved to depress the abrasive-disc-carrying shaft it will simultaneously lift said post for purposes described.

2,485,846
SURVEYING INSTRUMENT
Albert E. Sanderson, Wayland, Mass.
Application August 16, 1948, Serial No. 44,470
9 Claims. (Cl. 33—71)

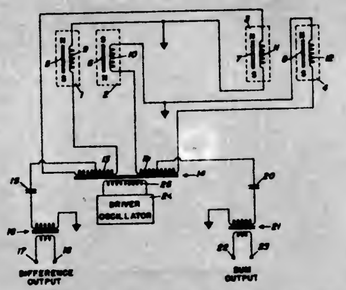
3. In a distance measuring instrument of the class described, the combination with the telescope provided interiorly with horizontal stadia hairs, the support on which said telescope is mounted for pivotal adjustment on a horizontal axis, the clamp arm connected with the telescope, the spring carried by the clamp arm and acting against said support to yieldingly urge said telescope in a direction to elevate the forward end

thereof, and the tangent screw carried by said clamp arm engaging said support by means of which the clamp arm and telescope are angularly adjusted in either direction on said axis and held in a predetermined fixed position, of a



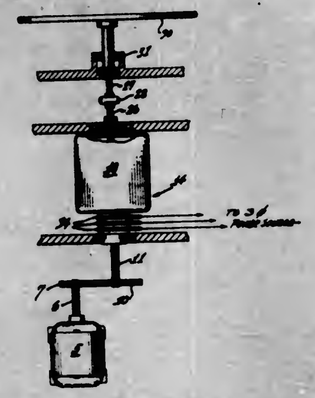
bracket fixedly secured to said support; a member adjustably mounted upon said bracket and manually operable to swing said clamp arm and telescope on said axis in a direction to lower the forward end of the telescope against the opposition of said spring and without disturbing the adjustment of said tangent screw.

2,485,847
COMBINATION MAGNETOMETER AND GRADIOMETER
Otto H. Schmitt, Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application September 23, 1944, Serial No. 555,538
2 Claims. (Cl. 177—352)



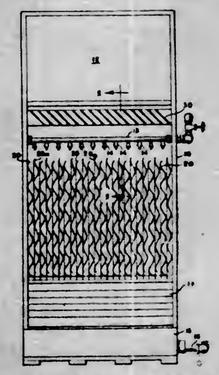
1. In a magnetometer system in which signals proportional to the sum and difference of the magnetic fields at two spaced points is required, means for obtaining such signals comprising a pair of magnetometer elements located at each of the spaced points, each element including a magnetic core and a coil extending normally to the line joining said points, a drive transformer having a pair of equal secondary windings, one of said windings being connected in a series circuit with one of the magnetometer coils in each pair in the same polarity, the other winding in a series circuit with the other magnetometer coils, one of said coils being connected in reverse polarity, the junctions between said coils being grounded, a driver oscillator for energizing the primary in said transformer, and a pair of transformers having input windings fed from the midpoints of said transformer secondaries, and output windings for delivering signals proportional to the sum and difference of said magnetic fields respectively.

2,485,848
TURNTABLE DRIVE SYSTEM
Thomas C. Sharp, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1947, Serial No. 728,056.
4 Claims. (Cl. 318—34)



4. A turntable driving system comprising a motor having a stationary stator and a rotatable rotor adapted to rotate at a comparatively high speed, a second motor having a rotatable rotor and a rotatable stator, the rotor of said first motor driving the rotor of said second motor, and means connecting said rotatable stator of said second motor to said turntable, said means including a vaned driving element connected to said rotatable stator, said vanes having magnets thereon, and vanes interposed between said driving element vanes, said interposed vanes having magnets thereon opposing said first mentioned magnets, and oil between said vanes.

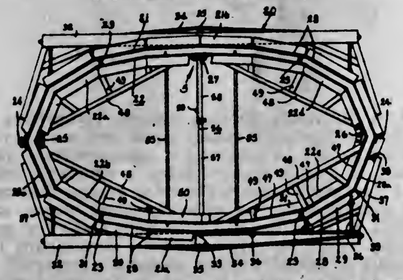
2,485,849
HEAT EXCHANGER OR COOLING TOWER
Lance L. Simmons, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application April 12, 1946, Serial No. 661,481
5 Claims. (Cl. 261—112)



1. In a heat exchanger, a series of sinuous sheets each having each of the undulations thereof of like curvature producing regularly spaced ridges positioned alternately on opposite sides of a plane through the center of the sheet between the faces thereof and positioned

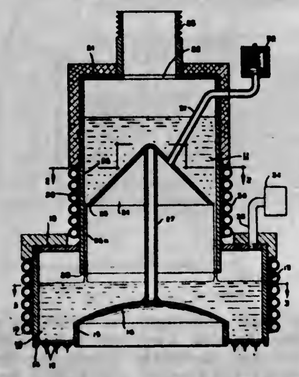
with the spaces between the sheets of sufficient width to obtain an appreciable vertical unrestricted spatial volume therebetween, means for delivering liquid to the surface of each sheet near the upper edge thereof, and means for inducing a forced draft of gas upwardly between the sheets, each alternate sheet of said series of sheets being displaced vertically relative to the other sheets to position the ridges of said alternate sheets out of horizontal planar alignment with the ridges of the said other sheets, the displacement between each ridge of one sheet and the ridge of the next adjacnt sheet being a distance which is less than that necessary to bring the said ridges opposite to each other to provide a path of alternately enlarged and constricted sections.

2,485,850
FORM FOR BUILDING SEPTIC TANKS
Philip N. Sitton, Dayton, Ohio
Application January 1, 1945, Serial No. 570,856
8 Claims. (Cl. 25—120)



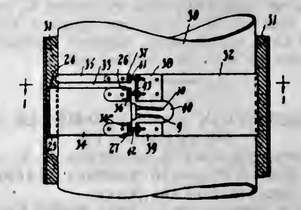
1. A mold wall for forming cast concrete bodies that consist of, a mold wall in the form of a polygon which is substantially elliptical in general transverse cross-section, said mold wall having the faces thereof forming the polygon adjustable relative to one another, and means carried by said mold wall for adjusting said faces relative to one another to change the angular relationship therebetween.

2,485,851
ELECTRIC MELTING FURNACE
Charles R. Stevens, Toledo, Ohio, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio
Application February 27, 1947, Serial No. 731,236
7 Claims. (Cl. 13—6)



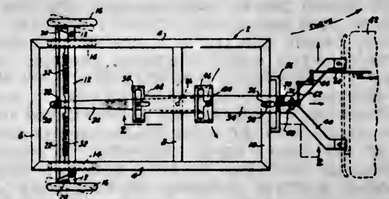
1. A heating and melting crucible comprising, a melting chamber having an open bottom, a partition wall transversely of said chamber forming the bottom wall thereof and dividing the same from a lower drawing chamber, the periphery of said partition wall being positioned in close proximity to the inner periphery of said chamber to provide a passage therebetween through which molten material flows in a sheet-like flow, a planing surface formed by the upper portion of said lower chamber providing for planing of material flowing through said passage, a feed opening in said melting chamber, heating means disposed around said melting chamber and around said passage, said drawing chamber extending beneath said planing surface to receive molten material therefrom into the lower portion of the said drawing chamber, a wall of said drawing chamber having a plurality of orifices therein through which material therein may be discharged, and heating means around said drawing chamber.

2,485,852
STRAP-ON HEATER
Gordon B. Tebo, Toronto, Ontario, Canada
Application March 9, 1946, Serial No. 653,404
12 Claims. (Cl. 219—38)



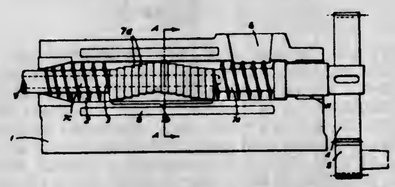
1. In a strap-on heater for tanks and the like, a band, two tongue members disposed side by side, one end of each of the said tongue members secured to one end of the band, the band and one of the tongue members secured thereto providing a strap adapted to extend around the tank, a heating member adapted to be held against the tank by the said strap, and individual means for connecting the free ends of the tongue members to the other end of the band, one of said tongue members being disconnectable to permit insertion or removal of the heating member under said tongue member while the other connecting means still securely connects the other of said tongue members to the band to hold the strap on the tank.

2,485,853
DIRIGIBLE TRAILER
George D. Willet, Lincoln Park, Mich.
Application August 3, 1946, Serial No. 688,262
11 Claims. (Cl. 280—33.55)



5. A dirigible trailer comprising a pair of dirigible wheels, an actuator for the wheels disposed entirely on one side of the steering axes of the wheels, a member operably engaging the actuator and mounted to pivot about a given axis, a second member mounted to pivot about a given axis in position to engage the first member, a projection on one of the pivotally mounted members and mounted forward of one of the pivot axes, a second projection on one of the pivotally mounted members and mounted to the rear of said pivot axis, and means to select one of the projections to effect engagement of the two pivotally mounted members.

2,485,854
MIXER FOR PLASTIC MATERIALS
Vittorio Zona, Milan, Italy, assignor to Pirelli Societa Per Azioni, Milan, Italy
Application April 10, 1948, Serial No. 20,344
9 Claims. (Cl. 259—9)

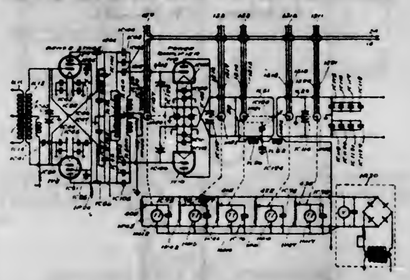


1. A mixer for the ingredients of compositions having a base of elastic rubber or a like plastic, of the class designed for continuous operation and comprising a tubular mixing chamber of circular cross-section having an inlet at one end and an outlet at the other end, continuously operable means for forcing the materials to be mixed into the mixing chamber by way of the inlet thereof, along the chamber to the outlet thereof and out of the chamber by way of said outlet, and continuously operable means for mechanically admixing the materials with one another as they are forced through the chamber, wherein the last mentioned means is constituted by a rotor disposed coaxially with the mixing chamber and sub-divided as to its peripheral surface, axially of the rotor, into a number of sections each of which is a surface of revolution about an axis parallel to the axis of the rotor, the respective axes of the sections being located (*a*) on a pitch circle whose axis is coincident with the axis of the rotor and (*b*), considering the sections in succession, at progressively increasing angular distances from a datum line intersecting the axis of the rotor, as measured by the angle included between said datum line and a line radial to the rotor and passing through the axis of the section and the diameter of the portions of the rotor carrying the sections of the peripheral surface thereof and the radius of the pitch circle being such that the peripheries of said portions sweep closely past the interior surface of the mixing chamber as the rotor revolves, so causing the materials as they are forced along the chamber to be squeezed against and rolled around said interior surface thereof between the same and said peripheries.

2,485,855
NITRAMINES
Alfred T. Blomquist and Fred T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy
No Drawing. Application December 30, 1944, Serial No. 570,806
2 Claims. (Cl. 260—467)

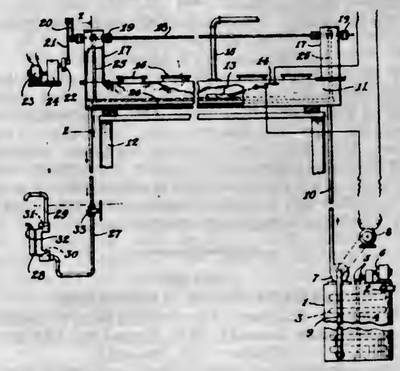
1. As a new composition of matter, N-(2-nitroxyalkyl) alkylnitramine.

2,485,856
HIGH-FREQUENCY APPARATUS
Thomas James Boerner, Collingswood, and John W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application June 17, 1943, Serial No. 491,164. Divided and this application March 28, 1944, Serial No. 528,416
6 Claims. (Cl. 318—3)



1. A control system for high frequency apparatus having a push-pull connected vacuum tube power amplifier, comprising a variable condenser arrangement including at least two variable condensers, each one of said condensers connected to the respective vacuum tubes of said amplifier, a reversible electric motor, switching apparatus for controlling the direction of rotation of said motor in either direction, and mechanical linkage between the armature of said motor to a variable element on each one of said variable condensers, whereby movement of said motor simultaneously varies each condenser capacity.

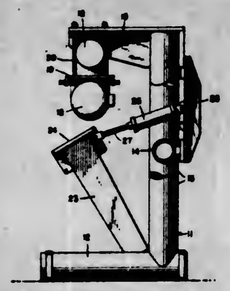
2,485,857
METHOD OF AND APPARATUS FOR DEAIRING SLIPS
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio, a corporation of West Virginia
Application February 23, 1945, Serial No. 579,461
10 Claims. (Cl. 25—22)



9. Apparatus for de-airing slip including a vacuum chamber, means for continuously flowing liquid slip through said chamber in a substantially horizontal plane, means for continuously withdrawing de-aired slip from the vacuum chamber and delivering it to casting molds, and means for gently stirring the slip while in the

chamber, said stirring means positioned within the slip and close to but below the surface thereof.

2,485,858
MILLING MACHINE
Robert O. Boykin, Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application May 27, 1946, Serial No. 672,487
4 Claims. (Cl. 90—20)



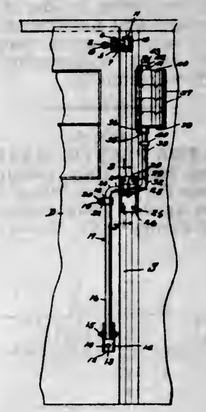
1. A machine for milling the ends of explosive powder grains comprising, a frame structure including base members, uprights extending therefrom, said uprights carrying overhanging brackets at the upper ends thereof, and a beam suspended from said brackets, a motor carried by said beam and a milling head carried by said motor, a table structure adapted to support the material to be milled, means for oscillatably supporting said table structure for movement of said material in a path to intersect the projection of the axis of said milling head, and means for oscillating said table.

2,485,859
PREPARATION OF HISTIDINE AND LEUCINE
Luigi Butturini, Milan, and Giuseppe Bernini, Melegnano, Italy, assignors to Carlo Erba S. A., Milan, Italy, a firm
No Drawing. Application November 8, 1948, Serial No. 59,017
3 Claims. (Cl. 260—309)

1. A process of preparing histidine and leucine from the dried precipitation product from a solution of acid hydrolysis products of a protein, precipitated by dichlorobenzene sulphonic acid, which precipitation product contains histidine and leucine compounds, which comprises treating such dried precipitation product with acetone, to dissolve the leucine compound while leaving the histidine compound undissolved.

2,485,860
GARAGE DOOR HARDWARE
Welsey A. Caldwell, Manhattan Beach, Calif.
Application June 10, 1947, Serial No. 753,600
1 Claim. (Cl. 20—19)

The combination with a track-mounted garage door of the overhead swinging type mountable against head and side jambs, of opposed door-supporting shafts pivotally connected to the door at their lower ends, bearing brackets on the side jambs, the shafts being pivotally connected to said brackets intermediate the ends of the shafts, a plurality of interfitting weights on the upper portions of the shafts, said weights having eccentrically disposed shaft-receiving bores, whereby to adjustably distribute weight transversely of the



shafts, and means for mounting the weights in positions of longitudinal adjustment relative to the shafts.

2,485,861
LUBRICATING OIL
Sumner E. Campbell and Ilo S. Dellinger, Long Beach, Calif.
No Drawing. Application October 1, 1945, Serial No. 619,695
5 Claims. (Cl. 252—33)

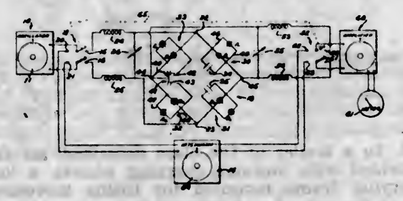
1. An internal combustion engine compounded lubricating oil consisting essentially of a lubricating grade hydrocarbon oil containing a permanent dispersion of an alkaline inorganic compound of the group consisting of the hydroxides and carbonates of an alkali earth metal, and an oil soluble mahogany sulfonate in sufficient quantity to serve as a dispersing agent for said compound, said compounded oil having an alkali neutralization number as herein defined between 0.50 and 3.0.

2,485,862
PISTON RING
Edgar Cass, Cornwall, Ontario, Canada
Application January 8, 1947, Serial No. 720,804
4 Claims. (Cl. 309—46)



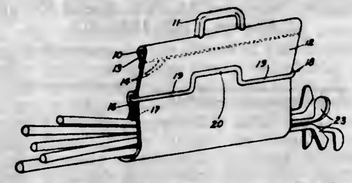
1. A piston ring of the one-piece, split, expansion type having a pair of engageable, vertically overlapping complementary ends, each cut back a considerable distance and for the full width of the ring, one end having its upper half cut away and the other end having its lower half cut away; each end having a tongue continuing from the extended half thereof and each end having a tongue-receiving recess continuing in from its cut back half.

2,485,863
METHOD OF AND APPARATUS FOR MAKING ELECTRICAL MEASUREMENTS
Marshall R. Chandler, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 5, 1946, Serial No. 639,464
14 Claims. (Cl. 175—183)



1. An apparatus for determining electrical characteristics of an article comprising, a piezoelectric crystal bridge filter for sharply attenuating electrical oscillations of a predetermined reference frequency, said filter having an input and an output and comprising four branches, each branch having a piezoelectric crystal therein, an oscillator connectible to the input of said filter, an output indicator connected to the output of said filter, means to connect an article to be tested in one branch of said filter in parallel relation with the crystal in said branch, an adjustable attenuator, and means for substituting said attenuator for said filter between said oscillator and said output indicator, thereby to apply the oscillator output through said attenuator to said indicator.

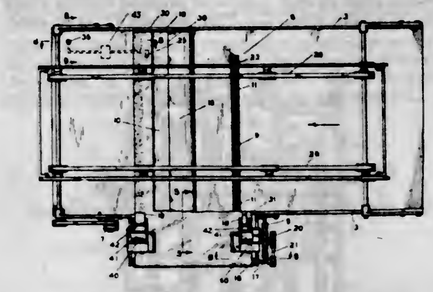
2,485,864
ARTICLE CARRIER
Sidney Cohen and John J. Reid, Needham, Mass.
Application November 7, 1947, Serial No. 784,720
5 Claims. (Cl. 224—49)



3. An article carrier comprising a flexible body having a stiff end portion, a handle attached to said stiff end portion, a loop support embodying two sides spaced apart one of which is attached to a portion of said body spaced from said stiff end portion, said stiff end portion being of such size relative to said space between said sides that it cannot pass through it, a portion of said body between said stiff end portion and said portion to which said loop side is attached extending through and movable in the space between said two sides.

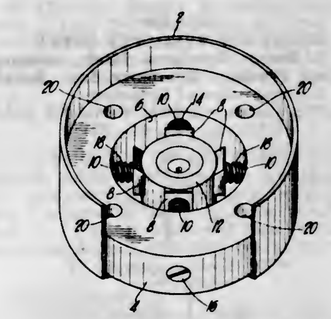
2,485,865
ROLL WRAPPING MACHINE
Edward M. Costello, Portland, Oreg.
Application January 2, 1947, Serial No. 719,711
9 Claims. (Cl. 216—21)

5. In a roll wrapping machine for individually wrapping rolls of merchandise, a table, means for revolving rolls over said table in spaced series, means timed for alternate operation with said roll rolling means for stretching individual glue bearing wrappers in the path of said rolls, said means including a stock of wrapper material, a glue applying means, a belt, wrapper stretching means and a raised edge knife severing means effective



to sever each wrapper from said stock by pressure of the roll while it is picking up its wrapper by the glue.

2,485,866
HOLDER FOR DIE GRINDING
Axel F. Cronlund, Joliet, Ill.
Application January 14, 1948, Serial No. 2,251
2 Claims. (Cl. 51—217)

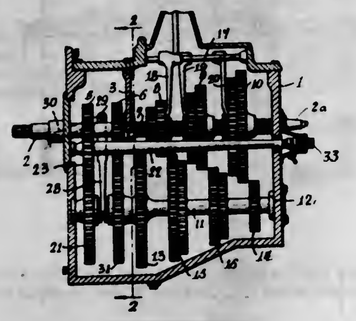


1. A die holder comprising a cup-shaped casing, a base plate having a central opening therethrough, the sides of said casing projecting upwardly from said base plate, the peripheral surface of said base plate being in slidable contact with the inner wall of said casing so that the base plate can be readily removed from the casing, said base plate having at least one vertical drain hole therethrough, said base plate having a plurality of spaced-apart, internally threaded, radial holes therein extending horizontally from its outer side to said central opening, a compression spring in each of said horizontal holes projecting therefrom into said central opening, a shoe mounted on the projecting end of each of said springs, said shoes being shaped to fit against the outside surface of the die, and an adjusting screw threaded into the outside end of each of said horizontal holes and against said spring.

2,485,867
REVERSIBLE TRANSMISSION
Hermas Doré, Montreal, Quebec, Canada
Application January 7, 1946, Serial No. 639,519
2 Claims. (Cl. 74—360)

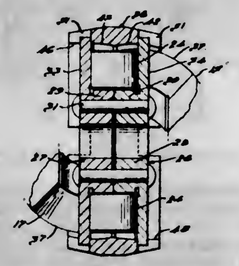
1. A reversible transmission comprising a drive shaft, a take-off shaft alined therewith, a driven shaft, means for driving said driven shaft from

said drive shaft, said means including a reverse shaft, a reverse gear fixed to said reverse shaft, a reverse gear loosely mounted on said driven shaft and meshing with the first named reverse gear,



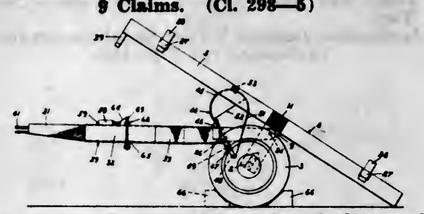
and means for selectively locking the second named reverse gear to said driven shaft, unequal pinions slidably mounted on said take-off shaft, and unequal gears fixed on said driven shaft and engageable selectively by said pinions.

2,485,868
CONSTANT VELOCITY JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company, Inc., Dearborn, Mich., a corporation of Delaware
Application January 3, 1944, Serial No. 516,757
1 Claim. (Cl. 64—21)



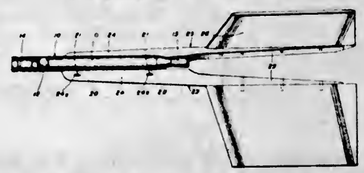
A constant velocity joint comprising a pair of shaft elements, a connecting member on each shaft element and having circumferentially separated arms extending longitudinally of the shaft axis, the arms on one member projecting in a direction axially opposite to the arms of the other with the circumferentially opposite edge faces of each arm spaced from the adjacent sides of the adjacent arms so as to provide an axially elongated guideway or slot circumferentially between each pair of arms, a torque transmitting element disposed in each slot and movable along the slot, means for holding the torque transmitting elements in the same plane, and means for shifting said elements into shaft angle bisecting position when either shaft element is angled relative to the other and including a ring externally encircling the arms and having its inner surface defined by circumferentially alternating spherical surface segments with alternating segments centered at two points respectively which are spaced along the ring axis, the arms at the opposite sides of each slot having external spherical surfaces respectively fitting two alternating spherical surfaces of the ring.

2,485,869
TRAILER WITH TILTABLE BODY
Joseph E. Ecklund, Minneapolis, Minn., assignor of one-fourth to Paul Ebling, Minneapolis, Minn.
Application January 19, 1948, Serial No. 3,009
9 Claims. (Cl. 298—5)



4. In a trailer of the class described, an axle provided with suitable carrying wheels, a load carrying frame mounted for tilting movement about the axis of said axle, a tongue comprising a sleeve having its rear end pivotally connected to the trailer frame above the axle, a cam element pivotally supported on the sleeve, means operatively connecting the cam element to the trailer frame, a tow bar slidably mounted in said sleeve and having one end pivotally connected to the cam element, said cam element being adapted upon rearward movement of the tow bar within said sleeve, when the trailer wheels are locked against rearward rolling movement, to tilt the trailer frame to a load dumping position, and said cam element being adapted to return the trailer frame to its horizontal load receiving position when the tow bar is moved forwardly within the sleeve and the trailer wheels are locked against forward rolling movement.

2,485,870
ROCKET TARGET
James Brown Edson, Havre de Grace, Md., assignor to the United States of America, as represented by the Secretary of the Navy
Application December 13, 1944, Serial No. 568,016
2 Claims. (Cl. 102—51)

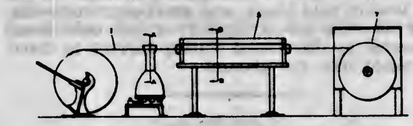


2. A rocket target comprising a rocket motor having a discharge end, a plurality of longerons extending lengthwise of the motor along the outside thereof and projecting to the rear of the discharge end of the motor, releasable connecting means between the motor and the longerons for holding the longerons in position on the motor, and radiating fins mounted on the rear end portions of the longerons and disposed to the rear of the discharge end of said motor, said fins being mounted on the longerons at an angle to cause rotation of the rocket target during its flight.

2,485,871
INSULATED ELECTRIC WIRE TESTING
James L. Entwistle, Cranston, R. I., assignor to James L. Entwistle Co., Pawtucket, R. I., a partnership consisting of Margherita C. Entwistle and James L. Entwistle
Application March 20, 1945, Serial No. 583,766
2 Claims. (Cl. 175—183)

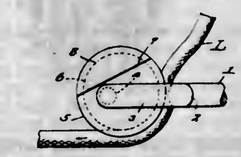
1. In a device for testing and winding up an electrical conductor cable covered with insulation.

two nozzles positioned on opposite sides of the cable for covering the entire surface of the insulating material with a fine spray of water, means for applying potentials to the insulation, an electrode unit adjacent said nozzles through which



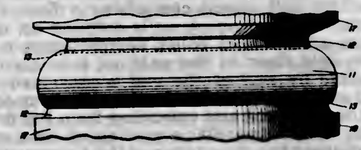
the conductor passes and wherein a testing voltage is applied between the dampened insulation and conductor, and a take-up reel adjacent the electrode unit which pulls the conductor successively through the space between the nozzles and the electrode unit.

2,485,872
LOCK HOOK
Clyde M. Fisher, Youngwood, Pa.
Application January 2, 1946, Serial No. 638,654
1 Claim. (Cl. 24—134)



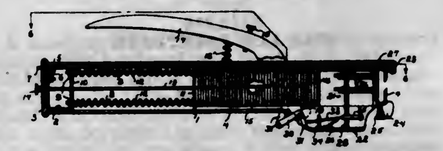
The combination, with a hook comprising a smooth-surfaced arm, a finger extended therefrom, and a stud extended from the finger, said stud and arm being substantially parallel, of an eccentrically mounted circular cam having a smooth-surfaced peripheral line-receiving groove mounted rotatably on the stud and shiftable relative to the arm, said arm and cam cooperating to pinch a line interposed therebetween, one face of the cam being seated upon and slidably contacting the finger during rotation of the cam; and a stop shoulder integrally formed upon said face and disposed in the plane of the finger, said shoulder defining a long chord extending across said face to the cam the end portions of which chord are spaced a substantial distance from each other, so as to be respectively adapted to engage opposite sides of the finger on rotation of the cam in opposite directions, to limit rotation of the cam through approximately 180 degrees in either direction to a selected operative and a selected inoperative position.

2,485,873
PROCESS OF MAKING FINISHED CIRCUMFERENTIALLY SURFACED LENSES FROM LENS STOCK
William J. Flett, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application February 5, 1944, Serial No. 521,277
1 Claim. (Cl. 88—57)



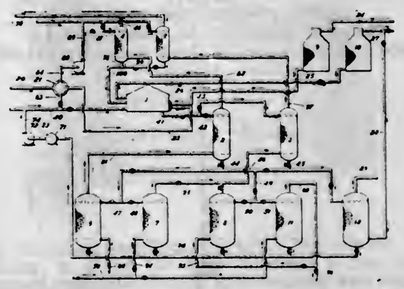
A process of making a lens from lens stock, which comprises cutting the stock to form a transparent finished circumferential convex lens surface and annular troughs along the sides of said surface, painting the convex lens surface and the troughs with an opaque coating material to form a mask thereon, and removing the mask from the transparent finished convex lens surface while retaining the mask in the troughs, whereby the mask in the troughs defines sharp finished edges on said transparent convex lens surface.

2,485,874
AUTOMATIC HOG RINGER
Carl Forst, Linneus, Mo.
Application March 5, 1947, Serial No. 732,415
2 Claims. (Cl. 128—332)



1. In a ringing instrument including a tubular housing and hollow head having clamping jaws at the mouth of the head, and a spring pressed magazine for a row of rings, the combination with a rock-shaft journaled in the head and a pair of gripping fingers mounted thereon for gripping a ring from said row, of lever operating mechanism for clamping the jaws on a ring, and means actuated by the lever operating mechanism for rocking said shaft, for the purpose described.

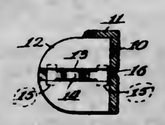
2,485,875
PRODUCTION OF SYNTHESIS GAS
Manuel H. Gorin and Armand J. Abrams, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,613
12 Claims. (Cl. 48—196)



1. A process for the manufacture of a synthesis gas comprising hydrogen and carbon monoxide from natural gas, steam and carbon dioxide which comprises the steps of (1) contacting natural gas, steam and carbon dioxide obtained in the manner hereinafter described countercurrently with a hot liquefied metal of group IV of the periodic table selected from the class consisting of tin and lead under nonflooding conditions in a reaction zone packed with a porous refractory solid at temperatures sufficiently high to react said natural gas, steam and carbon dioxide to form hydrogen and carbon monoxide, (2) separating the hydrogen and carbon monoxide in the gaseous effluent of the reaction zone of step 1 from metal vapor in said gaseous effluent by scrubbing in a separate zone said effluent with

said liquefied metal, (3) circulating a part of the hot liquid metal from step 1 to a zone containing calcium carbonate to cool said metal, to condition the same for pumping to a metal preheating step and to decompose the calcium carbonate in said zone to calcium oxide and carbon dioxide, (4) circulating the remainder of the liquid metal from step 1 to a plurality of refractory packed heat exchange zones and countercurrently flowing said liquid metal therein with separate streams of natural gas and steam to preheat the same prior to introduction as feed to step 1, and (5) passing the preheated streams of natural gas and steam from step 4 and the carbon dioxide from step 3 to the reaction zone of step 1 of the process.

2,485,876
VISE JAW FACEPLATE
Manuel T. Guest, Los Angeles, Calif.
Application June 25, 1945, Serial No. 601,521
1 Claim. (Cl. 81—38)



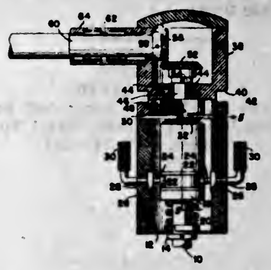
A face plate for vise jaws comprising a plate adapted to overlie the face of a vise jaw, plates projecting rearwardly from the top and ends of said first mentioned plate, there being undercut grooves formed in the inner faces of the end plates and bow springs loosely seated in said grooves, short narrow flanges projecting from both sides of said spring at the ends thereof, and said flanges extending into said undercut grooves with the bowed central portions of said springs projecting outwardly through said grooves for engagement with the end faces of the vise jaw.

2,485,877
LAWN EDGING IMPLEMENT
Vivian E. Hamilton, Jr., Shreveport, La.
Application January 16, 1946, Serial No. 641,499
1 Claim. (Cl. 97—227)



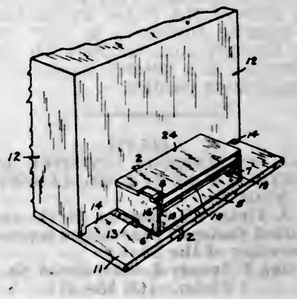
In an implement of the class described, an elongated bar like handle adapted to be held upright, a cylindrical hollow percussion head on the lower end of the handle fixed at one end thereto, a cutting blade for driving into the ground and having a shank on which said head is telescopically fitted for sliding toward said blade by downward manipulation of said handle, a spring in said head bearing against the head and shank to yieldingly oppose sliding of said head toward said blade, and an impact receiving collar on said shank against which said head is movable by downward sliding thereof to drive said blade into the ground.

2,485,878
TRACTOR-TRAILER DRIVE COUPLING
Martin J. Hanlon, Cleveland, Ohio
Application December 19, 1946, Serial No. 717,153
3 Claims. (Cl. 180—14)



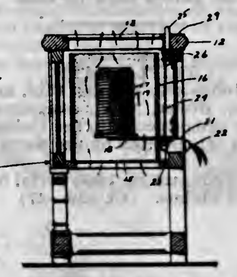
1. A truck-trailer drive coupling comprising a casing on the truck aligned with a gear box on the trailer, a drive shaft in the casing and a driven shaft in the gear box, a sleeve threadedly engaging the drive shaft, a gear on said sleeve, a mating gear on said driven shaft, said gears being movable into driving engagement by movement of said sleeve on said drive shaft, thereby effecting operation of said driven shaft from said drive shaft.

2,485,879
BEEHIVE EXIT DEVICE
James E. Harwood, Beulah, Mich., assignor to Leo C. Antles, Wenatchee, Wash.
Application November 25, 1947, Serial No. 787,942
7 Claims. (Cl. 6—4)



1. Beehive exit means comprising a floor and two upright spaced apart walls defining an exit way from a beehive; a pollen compartment provided on said floor in the path of bees leaving the beehive by way of the exit means, and an inclined exit ramp positioned outwardly from said pollen compartment and extending from the floor upwardly and outwardly, a portion of said exit ramp adjacent the floor being of light conductive material and the upper portion of said exit ramp being of opaque material.

2,485,880
COMBINATION HEATER, COFFEE TABLE, AND TRAY
George W. Hawkins, Forest Hills, N. Y., assignor, by mesne assignments, to Frank J. Stevens, Chattanooga, Tenn.
Application February 20, 1946, Serial No. 649,045
3 Claims. (Cl. 219—19)



2. An article of furniture comprising, in combination, a coffee table having upper sides thereof forming an enclosure, a second enclosure formed of insulating material spaced inwardly of said table from said first named enclosure, both of said enclosures being open at the top and bottom, a perforated plate covering the openings at the top of said enclosures, a second perforated plate carrying said second enclosure and covering the openings at the bottom of said enclosures, an electrical heating unit within said second enclosure, switch means for operating said heating unit, a removable tray adapted to complete the top surface of said coffee table, and means responsive to the weight of the tray for operating said switch means; said tray when removed resulting in exciting said electrical heating unit and when placed in position on said table turning off said electrical heating unit.

2,485,881
TEST PROD
Eero E. Helin, Franklin Square, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 22, 1945, Serial No. 636,698
2 Claims. (Cl. 173—273)



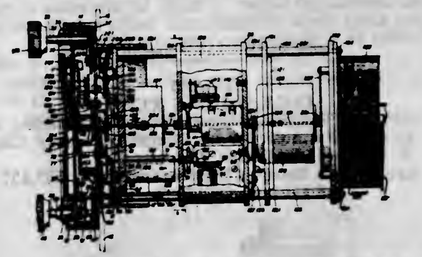
1. A test pick comprising a hollow housing, a plug of insulating material, having a central bore therein, fixedly secured in said housing and projecting a short distance from one end thereof, an elongated tubular metallic member secured in the bore of said plug and extending outwardly therefrom, an insulating jacket completely enclosing said member except for a small portion at the end thereof, a rod member, having an insulating jacket thereon, slidably mounted in said tubular member, means in said housing associated with said rod which maintains the end thereof in an extended position beyond the end of said tubular member and a pair of conductors extending from said housing having their inner ends connected to said tubular and said rod member.

2,485,882
BASEBALL BASEMAN'S MITT
Albert Hilton, Cincinnati, Ohio, assignor to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application August 2, 1946, Serial No. 688,020
1 Claim. (Cl. 2—19)



A baseman's mitt comprising a thinly padded thumb and mitt portion of substantially equal width having a line of bending pliability extending diagonally down across the glove between the thumb and mitt portions dividing the glove into two main portions having a flexing relation, one to the other, and consisting in the thumb portion the movement of which is carried by the thumb of a wearer and the mitt portion of equivalent surface area carried by the four fingers of a wearer, and flexible ball blocking means extending across the opening between the nearest adjacent edges of the thumb and mitt portion, and means for localizing the flexing pliability of the glove, comprising relatively stiff plates mounted within the glove one in the mitt portion and one in the thumb portion.

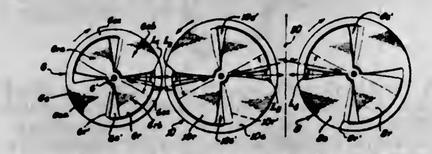
2,485,883
AIR POSITION INDICATOR
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1944, Serial No. 538,529
6 Claims. (Cl. 235—1)



1. In an air position indicating instrument, a housing, a cover for said housing, a pair of counters supported within said housing and each including a shaft to which a gear is fixed, and means for selecting either of said counter gears for manual operation, comprising a separate gear for each of said counter gears normally disengaged therefrom, a bushing located in said housing cover, a lever located exteriorly to said cover, a sleeve housed in said bushing supporting said lever, a suspension device carrying said separate gears, and a link mechanism interposed between said sleeve and said suspension device and operable incident to the actuation of said lever in either of two directions for moving said suspension device in a direction such as to cause one of the gears carried thereby to mesh with the selected counter gear corresponding to the direction in which said lever is actuated, and means for actuating the selected counter gear comprising a

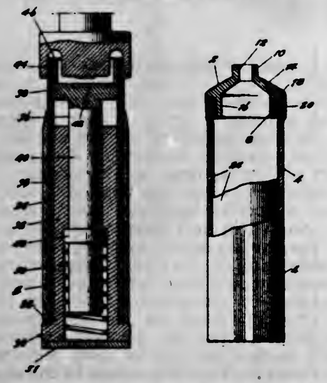
knob-ended shaft housed for rotation within and independently of said sleeve, and a gear train interposed between said shaft and the selected counter gear.

2,485,884
HIGH-FREQUENCY RECEIVING SYSTEM HAVING INDUCTIVELY COUPLED BUTTERFLY TYPE CIRCUITS
Paul J. Holmes, Los Angeles, Calif., assignor to Richard R. Stoddart, Los Angeles, Calif.
Application August 29, 1945, Serial No. 613,321
2 Claims. (Cl. 250—40)



1. In a very high frequency-ultra high frequency receiving system employing two inductively coupled circuits of the "butterfly" type, the combination which comprises: a pair of capacitance : inductance tuning units of the "butterfly" type each having a stator provided with opposed quadrantal stator sectors and intermediate quadrantally shaped open sectors, and a rotor provided with opposed plates, said units being arranged in inductive coupling juxtaposition with each other, with the axes of the rotors extending in a substantially parallel relation, said tuning units being disposed in symmetrical arrangement with open sectors of the respective stators in adjacent positions at the same side of a line passing through said axes, and with plates of the respective rotors disposed in symmetrical alinement with the respective adjacently disposed open sectors of said stators in a minimum capacity tuned condition, and said rotors being interconnected for concurrent rotative movement in opposite rotative directions so as to cause said last mentioned plates to move in the same direction away from said line and toward said side in tuning to a higher capacity condition.

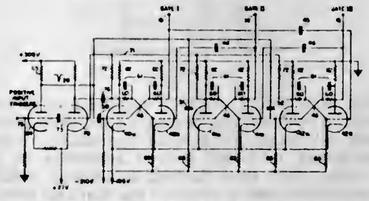
2,485,885
COLLAPSIBLE TUBE
Penrose R. Hoopes, Philadelphia, Pa., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application March 21, 1944, Serial No. 527,437
8 Claims. (Cl. 222—107)



3. A die having walls forming two spaced coaxial annular cavities and a connecting cavity of substantially semi-circular cross-section, and means for forcing an end of a tube into the outer of said annular cavities, around the connecting cavity and into the other annular cavity.

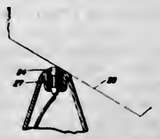
8. A collapsible tube comprising an organic plastic barrel, an end of said barrel being curled inwardly and backwardly to form a cylindrical surface, and an organic plastic head having a cylindrical surface bonded to said cylindrical surface of said curled back portion.

2,485,886
TRIPLE GATE
Charles W. Johnstone, Garden City, and Leonard P. Mautner, Bronx, N. Y., assignors, by direct and mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application February 21, 1946, Serial No. 649,417
3 Claims. (Cl. 250—27)



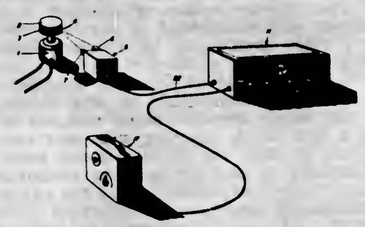
3. An electronic switching circuit comprising a plurality of pairs of tubes having at least cathode, anode, and control grid electrodes, each pair comprising a first tube and a second tube interconnected as a trigger circuit having two alternative stable states, first circuit means connecting the anode of the first tube of each of said pairs to the control grid of the first tube of another of said pairs, trigger signal means, second circuit means connecting said trigger signal means to the control grid of the second tube of each of said pairs, a self starting means including a trigger tube having at least a cathode, an anode, and a control grid, separate impedance means respectively connecting the anode of each of said second tubes to the control grid of said trigger tube, fixed biasing means connected to the cathode of said trigger tube operative to render said trigger tube non-conducting when any of said second tubes is conducting and conducting when all of said second tubes are non-conducting, and means connecting the anode of said trigger tube to the control grid of a first tube of one of said pairs.

2,485,887
PROJECTILE
James D. Jordan, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application April 6, 1944, Serial No. 529,811
2 Claims. (Cl. 102—56)



1. A high explosive projectile including a body having an explosive charge therein, normally open-circuited electrically operable exploding means for the charge, a windshield carried by the body, and two electrical contact portions carried by the windshield and exposed at the nose of the latter, and designed to be bridged by an electrically conductive target to complete the circuit of the exploding means.

2,485,888
ELECTRONIC TACHOMETER AND STROBOSCOPE
James D. Jordan, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application September 4, 1944, Serial No. 552,717
1 Claim. (Cl. 88—14)

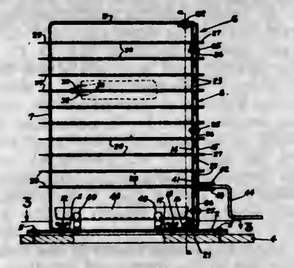


The process of determining the rate of recurrence of action of a body in cyclic motion, which consists in providing a substantially weightless marker by modifying the albedo of a portion of the visible surface of the body, directing radiant energy of substantially uniform intensity upon the said surface, converting some of said energy, after reflection from said surface, into photoelectric pulses which thus occur at a frequency which is a function of the periodicity of the motion of the body, measuring and continuously indicating said frequency and thereby indicating the desired rate of recurrence of the action.

2,485,889
METHOD OF MANUFACTURING EXPLOSIVES
Peter Wilhelm Streiffert, Landskrona, Sweden
No Drawing. Application June 22, 1945, Serial No. 601,064. In Denmark November 18, 1938
1 Claim. (Cl. 52—19)

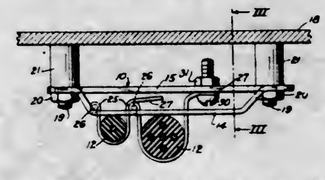
Method of manufacturing explosives comprising dissolving perchloric acid in water, adding active carbon to the solution, neutralizing the nonadsorbed perchloric acid with ammonia, removing the water and adding an oxygen delivering substance to fill up the pores of the carbon.

2,485,890
BARBECUE APPARATUS
Bartev A. Keljik, Minneapolis, Minn.
Application January 11, 1946, Serial No. 640,449
5 Claims. (Cl. 99—421)



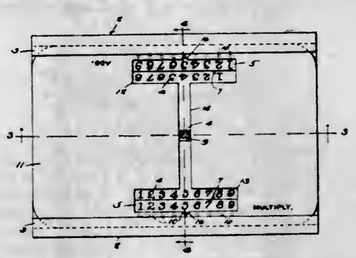
1. In an apparatus of the class described, an elongated base, an upright frame comprising spaced parallel side members and a horizontal top member, means mounting said frame for lateral adjustment on the base, a plurality of intermeshing gear elements mounted in one of the frame side members each having a socket therein, spits removably received in said sockets, means for rotating said elements to cause food articles supported on said spits to be rotated with respect to a source of heat, the frame member supporting said gear elements and spits having inwardly turned ears at its upper and lower ends, and means pivotally connecting said ears respectively to the top frame member and said base, whereby the spits may be swung outwardly to a non-barbecuing position to facilitate mounting food articles on the spits or removing them therefrom.

2,485,891
CABLE CLAMP
Harry L. Kindorf, San Francisco, Calif.
Application March 8, 1946, Serial No. 653,010
3 Claims. (Cl. 248—68)



2. A cable clamp of the character described comprising a base member formed of a flat metal plate having edge parts cut away from the plate except at their ends and deformed to provide a pair of parallel bars spaced from the plane of the plate, and cable binding members cooperating with said bars to secure cables against them and means for securing the base member to a wall surface.

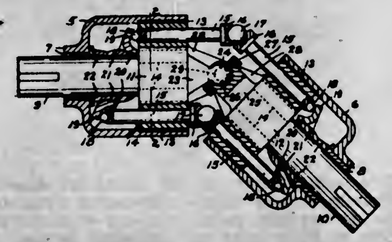
2,485,892
CALCULATOR DEVICE
Abe F. Kirschbaum, Greenbelt, Md., assignor of sixty per cent to Salvind O. Olson, Washington, D. C.
Application July 13, 1948, Serial No. 38,492
2 Claims. (Cl. 235—89)



1. In a calculator of the class described, a combined body and guide plate having upwardly extending guide flanges along its side edges, inwardly extending retaining flanges on said guide flanges disposed in parallel spaced relation to the surface of said combined body and guide plate, said body and guide plate having longitudinally and transversely extending rows of indicia thereon, an apertured computing plate reciprocably supported on said body and guide plate with its side edges engageable with said guide flanges on the body and guide plate, an aper-

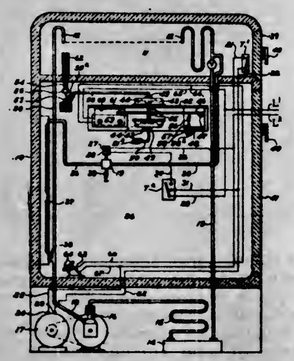
tured cover plate slidably disposed on said computing plate for reciprocable movement engageable with the guide flanges and retaining flanges on said body and guide, the apertures in said computing plate being disposed longitudinally and inwardly of the side edges of said plate, said plate being also formed with an angularly disposed row of square openings between the opposite ends of said first mentioned openings, and said cover plate having oppositely disposed longitudinal slots formed inwardly of the side edges of the plate of wider width than the longitudinal slots in said computing plate and also formed with a transverse connecting slot through which the answer to the problem being computed may be viewed.

2,485,893
UNIVERSAL JOINT
Alwin Kost, Portland, Oreg.
Application October 29, 1945, Serial No. 625,117
9 Claims. (Cl. 64—20)



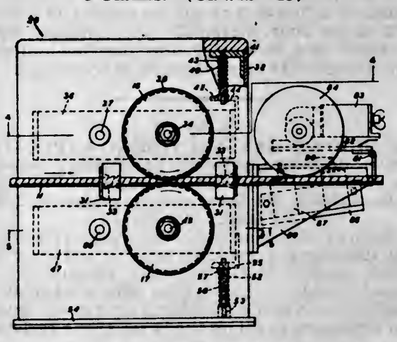
1. In a universal joint, two shafts supported for rotation in dis-aligned relation; pistons slidably carried by said shafts; and balls socketed between adjoining pistons preventing sidewise displacement of the pistons and providing a driving relation between the shafts.

2,485,894
HUMIDITY CONTROL SYSTEM
Clarence W. Kuhn, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 16, 1947, Serial No. 768,995
11 Claims. (Cl. 236—44)



In combination, a humidostat comprising a pair of like power members each comprising a bulb, a diaphragm and a filling of thermally expansible fluid, means for fixedly supporting said members with the diaphragms thereof in opposed relationship to each other, one of said members being of the dry-bulb type and the other member being of the wet-bulb type, a pivoted lever interposed between said diaphragms, manually adjustable spring means associated with said lever to afford a preselected degree of force in opposition to the force applied to said lever by the diaphragm of said dry-bulb member, a plunger type snap switch mechanism inherently biased to its closed position and normally held by said lever in open position, said lever being so arranged in operative relationship to the normally projecting operating plunger of said switch as to effect release of said plunger to complete an electric circuit when the percentage of humidity in the air to which said humidostat is subjected falls below a value preselected by the adjustment of said spring means, a source of moisture, an electric fan the motor of which is adapted to be operated upon completion of said circuit, and said fan when operated being adapted to produce a flow of air coacting with said source of moisture to effect an increase in the percentage of humidity in said air pending attainment of a value thereof so preselected by the adjustment of said spring means.

2,485,895
TENSION CONTROLLING APPARATUS
Elmer J. Larsen and Oscar G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1947, Serial No. 731,219
5 Claims. (Cl. 242—45)

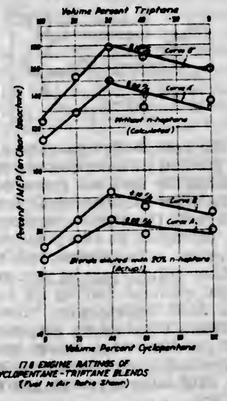


2. Tension controlling apparatus for strand rewinding machines, which comprises in combination a rotatably mounted supply reel containing a strand supply to be unwound therefrom, a rotatably mounted takeup reel to receive the stand from the supply reel, an A. C. motor mechanically coupled to the supply reel, a variable speed D. C. motor mechanically coupled to the takeup reel, means for supplying a D. C. potential to the said motors to cause the D. C. motor to rotate the takeup reel and withdraw the strand from the supply reel and the A. C. motor to act as a braking generator driven by the supply reel, means for varying the D. C. potential applied to said motors, a tachometer generator electrically connected to the D. C. potential controlling means for regulating the D. C. potential supplied to the motors by the said D. C. potential supplying means, and means driven by the advancing strand for driving the tachometer generator, whereby when the linear speed of the strand tends to increase due to the increased winding diameter of the takeup reel the increased speed imparted to the tachometer generator reduces the D. C. potential supplied to the D. C. motors thereby maintaining the strand at substantially uniform tension and speed.

2,485,896
METHOD FOR SHAPING ARTICLES OF METHYL METHACRYLATE RESIN
Howard J. Lucas and Franklin R. Hepner, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy
No Drawing. Application October 11, 1946, Serial No. 702,593
2 Claims. (Cl. 18—55)

1. The method of working methyl methacrylate resins comprising the steps of softening the resin by treating said resin with an atmosphere of gaseous hydrogen fluoride for at least 30 seconds, deforming the resin to a desired shape, and rigidifying the deformed resin by treating with air.

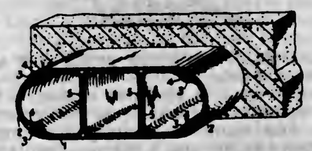
2,485,897
SUPERFUEL
Robert F. Marschner, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 11, 1947, Serial No. 760,460
4 Claims. (Cl. 44—69)



I.T.S. ENGINE RATINGS OF CYCLOPENTANE-TRIPTANE BLENDS (Fuel in Air Ratio Shown)

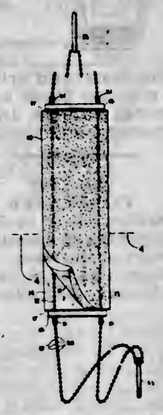
1. A motor fuel for a high compression, internal combustion, spark ignition engine which motor fuel consists essentially of a mixture of triptane and cyclopentane, each being present in the mixture to the extent of at least 25 volume percent.

2,485,898
INFLATABLE CORE FOR USE IN CASTING HOLLOW CONCRETE UNITS
Charles B. Mathews, Ilkley, and John G. Ambrose, Fossebridge, England
Application July 25, 1945, Serial No. 606,970
In Great Britain June 20, 1944
8 Claims. (Cl. 25—128)



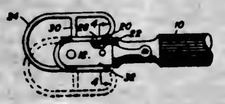
1. An inflatable core for use in the casting of hollow units of concrete or like material comprising rigid plates constituting the top and bottom walls of the core, and inflatable flexible wall means hingedly connecting said plates at each side in a longitudinal direction and which constitutes the side walls of the core.

2,485,899
BRUSH OR RUBBING DEVICE
James McBreen, Albany, N. Y.
Application October 9, 1948, Serial No. 53,610
1 Claim. (Cl. 128—62)



A combined brush and sponge device, comprising a rectangular sheet of sponge rubber several times as long as it is wide and having a washing face and a smooth back, a second rubber sheet of the same size having a bristle face and a smooth back, spaced link chains imbedded lengthwise of the sheets between the smooth backs, the smooth backs of both sheets being adhered to each other and holding the chains between them, said chains extending beyond both ends of the device, and a handle secured to the chains at each end of the device.

2,485,900
GUARD ATTACHMENT FOR DENTAL TOOLS
Elmer L. McKeen, Los Angeles, Calif.
Application July 2, 1947, Serial No. 758,525
3 Claims. (Cl. 32—29)

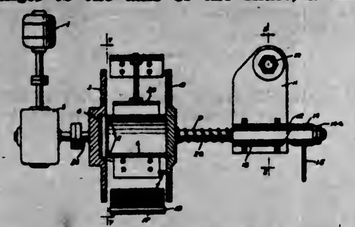


1. In a dental hand piece including a head having a groove, a guard attachment comprising a substantially U-shaped resilient body frictionally engaging the groove provided in the head of the hand piece, and means for retaining said body relative to the head, said means including a pair of outwardly projecting lugs, and seats provided in the groove receiving said lugs.

2,485,901
MACHINE FOR PRODUCING PADS FOR JOURNAL LUBRICATION
Howard D. McVicker, Forest Hills, and Ansley A. McVicker, Jeannette, Pa.
Application December 20, 1945, Serial No. 636,166
13 Claims. (Cl. 19—149)

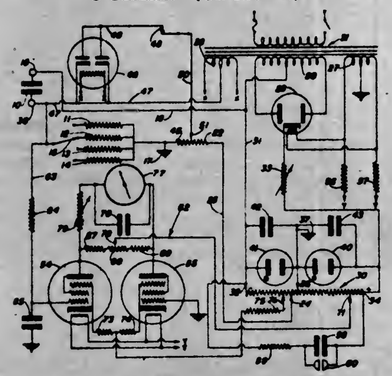
1. A machine for the production of roll-type pads from waste material, comprising a shaft

journalled in a bearing, the bearing being mounted for pivotal movement on an axis at a substantial angle to the axis of the shaft, a mandrel



mounted on the shaft, and drive means for the mandrel, the mandrel being adapted to be detachably connected with the drive means for rotation of the mandrel and the shaft.

2,485,902
CONDENSER
Benjamin S. Melton, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application August 20, 1946, Serial No. 691,854
3 Claims. (Cl. 320—1)



1. Apparatus for expediting the charging of a capacitor, which comprises a source of electricity of suitable voltage, a resistor whose conductance is low relative to the capacitance of the capacitor to be charged, said resistor being connected in series with said source and said capacitor, a device having unilateral electrical conductivity, said device being connected in parallel with said resistor, and in the proper sense to be conductive at the time the charging commences, and circuit connections whereby the polarity of the voltage applied to the device will be reversed by and in response to the voltage drop across said resistor as the charging of said capacitor approaches completion, for facilitating measurement of electrical characteristics of the capacitor.

2,485,903
VII TYPE PHOSPHOR
Neville F. Miller, Palmerton, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
No Drawing. Application March 3, 1948, Serial No. 12,889
5 Claims. (Cl. 252—301.4)

5. A VII type phosphor highly sensitive to infra-red radiation and characterized by the ability to be readily reduced to a fine powder without loss of sensitivity after sintering, comprising the product of heat treating at 1000° C. in an atmosphere of nitrogen a mixture consisting of 0.0408% cerium oxide, 0.0008% samarium chloride and 0.0020% of one member selected from the group of salts consisting of lead acetate, thallium acetate, tantalum acetate and indium acetate, a group of fluxing salts consisting of lithium sulphate, lithium fluoride, and calcium acid phosphate in amounts reduced over that normally required for a VII type phosphor, a group of body components consisting of 20.3980% strontium carbonate, 51.4061% strontium sulphide, and 16.3204% sulphur, and an antiflux component consisting of 10.6082% magnesium carbonate for controlling the refractoriness of the composite phosphor, the percentages of activators and antifluxes being based on the weight of the total strontium components calculated as strontium sulphide.

2,485,904
HIGH-FREQUENCY THERMOCOUPLE FOR CONCENTRIC LINES
William A. Miller, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 23, 1945, Serial No. 589,907
6 Claims. (Cl. 136—4)



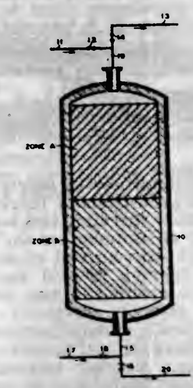
1. A thermo-couple device comprising a relatively short portion of a concentric line including an outer conductor and an inner conductor, an insulating member concentrically spacing said conductors apart, the inner conductor being reduced in its diameter at the position of said insulator, a heater wire connected between said inner and outer conductors at one end thereof, a thermo-couple element having its junction point connected to said heater wire intermediate the outer and inner conductor, an insulating base member surrounding said outer conductor, and connection leads for said thermo-couple extending through said base member surrounding said outer conductor.

2,485,905
HIGH-FREQUENCY THERMOCOUPLE FOR WAVE GUIDES
William A. Miller, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 23, 1945, Serial No. 589,907. Divided and this application October 11, 1946, Serial No. 702,711
5 Claims. (Cl. 136—4)



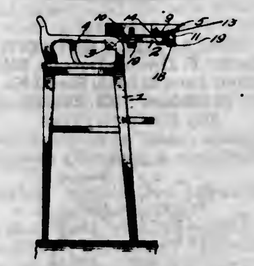
1. A thermo-couple device comprising a metallic member having means for joining a wave guide, an evacuated envelope enclosing the end of said metallic member, a heater wire located between and connected to opposite inner walls of said wave guide, and a thermo-couple element having its junction point connected to said heater wire.

2,485,906
CATALYTIC HYDROCARBON CONVERSION
King Louis Mills, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1948, Serial No. 135
7 Claims. (Cl. 196—52)



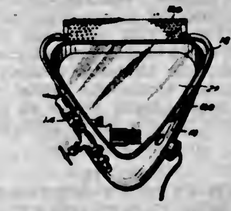
1. An improved process of catalytic conversion of hydrocarbons, which comprises introducing a hydrocarbon material into a catalyst chamber containing in a first zone an easily reactivated catalyst of low activity and in a second zone a difficultly reactivated catalyst of high activity, contacting said hydrocarbon material first with said low activity catalyst and second with said high activity catalyst; reactivating said catalysts at the end of a process period by passing an oxygen-containing reactivation gas through same, said reactivation gas passing through said catalyst contacting first said difficultly reactivated catalyst and second said easily reactivated catalyst, and in the opposite direction to the flow of said hydrocarbon materials.

2,485,907
HIGH CHAIR TRAY ATTACHMENT
Louis M. Montoya, Cheyenne, Wyo.
Application December 8, 1945, Serial No. 633,741
1 Claim. (Cl. 155—127)



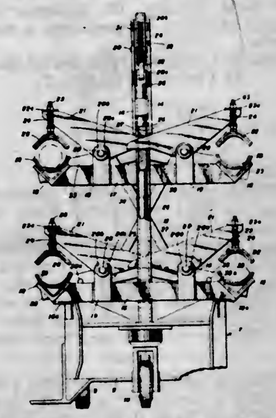
In a high chair having a tray and a guard rail for the tray; a clamping means for removably retaining the guard rail on the tray comprising a plurality of brackets secured at their upper ends to the guard rail, inwardly bent extensions at the lower ends of said brackets and adapted to engage the lower face of the tray, clamping jaws overlying said extensions and adapted to engage the upper face of the tray, resilient means for holding said clamping jaws and extensions apart, and removable locking pins extending through said brackets, clamping jaws and extensions to prevent lateral movement between said brackets and said clamping jaws.

2,485,908
DIVING GEAR
Charles T. Morrow, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application March 26, 1946, Serial No. 657,287
1 Claim. (Cl. 128—142)



A helmet for shallow-water diving, comprising a hood, a frame member secured to the hood, said frame member including an observation panel, means for supplying air into the helmet through a control valve, a first muffler means for silencing noise arising from air moving through the valve member, an exhaust valve for releasing exhaled air, a second muffler means for silencing the exhaust air, a perforated casing for housing said first and second muffler means, said perforated casing secured to said frame member, whereby said exhaust air on being released from said exhaust muffler passes through said perforations to effect the formation of small bubbles in the water.

2,485,909
ROCKET CARRIER
Gerald G. Mosteller, Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application December 29, 1945, Serial No. 638,392
9 Claims. (Cl. 29—237)



7. In a carrier for cylindrical objects, supporting means which may be occupied by any one of several sizes of said objects, and quick-change clamp means at once adaptable to any given size of object in the supporting means, said clamp means comprising a jaw confronting the supporting means, a lever having a fulcrum pin, a plate having notches into one of which the pin

is settable to suit various sizes of objects, and articulated means connecting the lever with the jaw to transfer the lever pressure developed at a particular notch to the incumbent object.

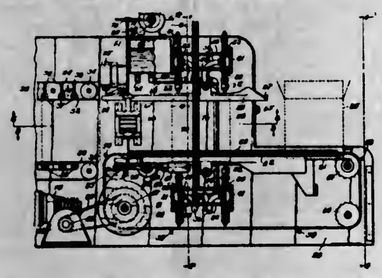
2,485,910
PLASTICIZERS
Latimer D. Myers and Richard W. Webster, Cincinnati, Ohio, assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 24, 1945, Serial No. 612,544
4 Claims. (Cl. 260—31.2)

3. The method of plasticising a vinyl resin which comprises mixing said resin with an oxidized ester of an 18 carbon unsaturated fatty acid and a monohydric aliphatic alcohol containing not over 8 carbon atoms, the iodine value of said ester being substantially 60 to 90 points lower than its iodine value prior to oxidation.

2,485,911
PETROLEUM EXTRACT-SULFUR DIOXIDE REACTION PRODUCT
Eric Sylvester Narracott, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
No Drawing. Application May 1, 1945, Serial No. 591,421. In Great Britain May 9, 1944
6 Claims. (Cl. 260—79.3)

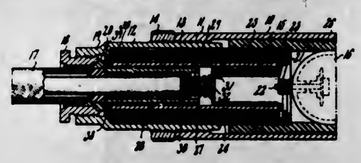
1. A process of producing a resin for use in producing coating compositions, consisting in reacting a predominately aromatic hydrocarbon extract obtained in the solvent extraction of a wax-free lubricating oil base derived from crude petroleum, the extract having a molecular weight in the range 200–800, with a proportion of from about 7.5% up to about 25% of its weight of sulphur dioxide, at a temperature within the range 150–300° C. for a period of from about 8 hours up to 50 hours, and the resin recovered as a product.

2,485,912
PACKAGING MACHINE
Morris P. Neal, Quincy, Ill., assignor to A B C Packaging Machine Corporation, a corporation of Illinois
Application January 25, 1946, Serial No. 643,250
19 Claims. (Cl. 93—6)



1. A packaging machine comprising a base plate for supporting a container with at least one of the inner bottom flaps folded into substantially the plane of the bottom of the container, means for moving the container into gluing position, means for moving an overlying bottom flap into position spaced from but adjacent to said inner flap, means for punching a hole through said outer flap by a quick, sharp blow, and means for simultaneously applying glue through said hole onto the outer surface of said inner flap.

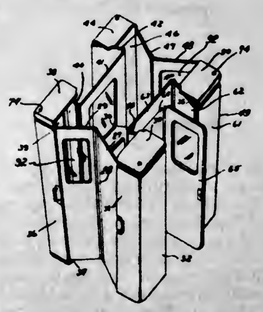
2,485,913
ELECTRIC CONDENSER
Joseph T. Osterman, Northampton, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application February 2, 1945, Serial No. 575,874
3 Claims. (Cl. 175—41)



1. A tubular condenser including a body portion having an axial opening therethrough, and a terminal member therefor, said terminal member comprising an annular contact portion secured in contact with an end of said body portion with the opening in said annular portion aligned with the opening in said condenser and said terminal member having a plurality of spaced spring lever contact portions extending from the periphery of said annular portion and a second terminal member secured to the opposite end of said body portion and having a portion extending into said axial opening in said body portion for electrical connection with a lead extending into said axial opening through the annular opening in said first terminal member.

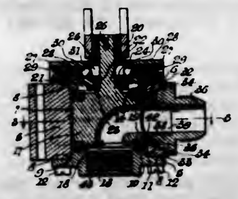
3. In a device of the character described, a pair of tubular members, means for securing said tubular members in aligned relation to form a hollow housing for supporting a tubular condenser, a tubular condenser in said hollow housing, one of said tubular members having an opening for allowing the passage therethrough of an electrical lead for electrical connection with said condenser, said tubular member having a flange adjacent the end of said condenser, an opening in said flange communicating with said condenser for permitting the passage therethrough of a fluid insulating material for impregnating said condenser while said condenser is in said housing and a member secured to said tubular member adjacent said flange for securing said lead in electrical connection with said condenser and preventing escape of said insulating material.

2,485,914
COLLAPSIBLE HOUSING
Martin F. Owens, Detroit, Mich.
Application June 2, 1945, Serial No. 597,247
4 Claims. (Cl. 20—2)



1. A collapsible house of the class described, comprising: a structure having oppositely disposed side walls and a front and a rear wall, each of said walls comprising a plurality of hingedly connected sections; a plurality of corner pieces, the section of said walls adjacent to a corner piece being hingedly connected to said corner piece, said sections being foldable inwardly, each of said corner pieces embodying a top and a bottom and a pair of walls connecting to the top and bottom and meeting at the corner.

2,485,915
VALVE ASSEMBLY
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application April 8, 1944, Serial No. 530,172
1 Claim. (Cl. 251—113)

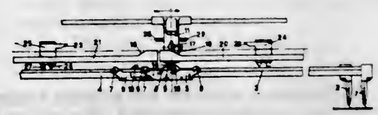


In a valve structure, a casing having a cylindrical chamber and a bore communicating with the latter, a cylindrical rotor operatively disposed in said chamber and having a flow passage therethrough opening at the peripheral wall of the rotor, a port-adapter removably secured in said bore and having an extension whose inner edge terminates short of the cylindrical wall of said chamber, said port-adapter having a port therethrough, a sleeve fitted in said port-adapter and having its inner edge disposed inwardly beyond the first-mentioned edge terminating short of said cylindrical wall whereby a groove is formed between said inner edge of the extension, the peripheral wall of the rotor, the wall in said bore and outer surface of said sleeve, a yieldable gasket disposed in said groove, the rotation of the rotor serving to control communication between said passage and sleeve, and the said inner edges and peripheral wall of the rotor being concentric.

2,485,916
SOLVENT EXTRACTION OF COTTONSEED OIL
Alicia Perez, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 30, 1948, Serial No. 46,927
16 Claims. (Cl. 260—412.4)

1. An improved method of processing a vegetable material which comprises the steps of contacting said vegetable material with a solvent comprising a monohydric alcohol having up to three carbon atoms per molecule, and between 0.3 per cent by weight and a weight of an alkali metal soap which causes said alcohol solution to lose its fluidity; heating said contact mixture at a temperature between about 40° C. and the boiling point of said solvent for a period of at least 10 minutes; separating said solvent and dissolved material from said vegetable material; and removing vegetable oil from said vegetable material.

2,485,917
DRIVE FOR PLATING CARRIERS IN KNITTING MACHINES
Ubaldo Pianta, Milan, Italy, assignor to firm Società Italiana Ernesto Breda Per Costruzioni Meccaniche, Milan, Italy
Application December 31, 1947, Serial No. 794,837
In Italy December 31, 1946
1 Claim. (Cl. 66—129)



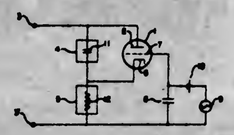
A device for driving the plating carriers in straight bar knitting machines, comprising in combination a piece reciprocating parallel to carrier rods of such machine, which move longitudinally forwardly and backwardly, said piece bearing a member displaceable transversely to said carrier rods, pieces not partaking in the movement of the carrier rods and provided with inclined surfaces engaging said transversely displaceable member, pieces fixed on the carrier rods provided with teeth of different heights engaging said transversely displaceable member for a determined transversal position of the latter, whereby said carrier rods are dragged by said reciprocating piece for strokes determined by the position of said inclined surfaces.

2,485,918
AIR VENT HASSOCK
Frank A. Powell, Collingswood, N. J.
Application October 31, 1947, Serial No. 783,292
6 Claims. (Cl. 155—169)



1. A hassock comprising a hollow support, a perforate rigid cover for said support, and a cushion containing a yieldable and resilient stuffing carried by said cover, said cushion having an area in its underside pervious to the passage of air and aligned with said perforations in said cover, whereby air may pass between said cushion and said hollow support, said cushion comprising top and bottom retaining portions and a perimetric portion connecting said top and bottom portions along the perimeters thereof, said perimetric portion comprising an outer strip adapted to form a part of the exterior surface of said cushion, and an inner strip attached to said outer strip to form a sleeve therewith, the longitudinal dimension of said sleeve extending perimetrically around said cushion, said sleeve containing part of said resilient stuffing, whereby said outer strip of the perimetric portion is bowed outwardly of the cushion to form a rounded perimetric surface thereon.

2,485,919
ELECTRICAL CIRCUIT
William R. Rambo, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application November 6, 1945, Serial No. 627,046
12 Claims. (Cl. 332—28)



3. A reactance network for a high frequency circuit, said network comprising an electron tube having cathode, anode, and grid electrodes, couplings from the grid and anode, respectively, to points of different potential on said circuit, said couplings having substantially like impedance at said frequency, means for applying a potential to the cathode which is phase displaced approximately 90° with respect to the potentials applied to said grid and anode, and means for varying the transconductance of said tube.

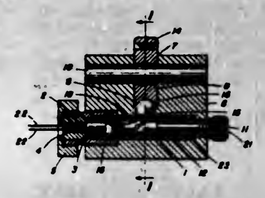
2,485,920
ANTENNA
Henry J. Riblet, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 26, 1944, Serial No. 532,793
5 Claims. (Cl. 250—33.65)



1. An integral metallic antenna construction for use with a wave guide or coaxial cable, said construction comprising an inner supporting collar carried by said wave guide or outer conductor of said coaxial cable, a plurality of pairs of arms extending outwardly from said collar, a section of a dipole carried at the end of each arm with a pair of arms supporting a dipole, said arms and dipoles all lying generally in a plane normal to the axis of said guide or cable, a probe carried by the end of one section of each dipole, said probe extending inwardly and being adapted to clear said collar and extend into the region of propagation within the said guide or cable through aligned apertures therein, whereby said dipoles are excited in phase.

2,485,921
EXPLOSIVE OPERATED LATCH MECHANISM
Gaynor O. Rockwell, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application October 10, 1947, Serial No. 779,033
2 Claims. (Cl. 9—44)

1. A latch release mechanism comprising a support, a latch member rotatably mounted on said support, a recess on said latch member, a ball normally seated in said recess, slide means engaging said ball, spring means engaging said slide means, a second recess on said slide means, pocket means at the free end of said slide means, a powder charge within said pocket means, and means for detonating said charge to shift said slide means



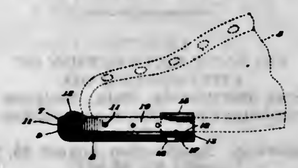
and cause said ball to move into said second recess and release said latch member.

2,485,922
CHILD'S NOVEL PICTURE HOT PLATE
Elizabeth Rubin, New York, N. Y.
Application September 27, 1947, Serial No. 776,489
3 Claims. (Cl. 65—61)



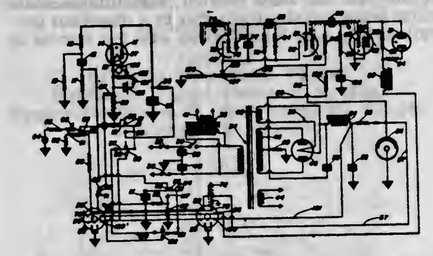
1. A picture exhibiting device for use with a child's hot dish including a heating base element and a transparent feeding dish comprising, a member removably supported on the heating base element provided with a horizontal wall spaced from the heated base element, parallel reels rotatably supported beneath the horizontal wall of said member and above said heating base element, spaced slots in said horizontal wall parallel to and intermediate said reels, a display film carried by said reels and passing therebetween through said slots to display a portion thereof above said horizontal wall, and a portion of said member above said horizontal wall shaped to receive and support a transparent feeding dish at a spaced distance above said wall.

2,485,923
SHOE PROTECTOR
Louis Rumpakis, James Ivanoff, and Maurice D. Sussman, Portland, Oreg.
Application August 29, 1946, Serial No. 693,624
2 Claims. (Cl. 36—1)



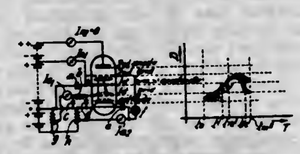
1. A protector for the toe portion of the sole of shoes comprising, a substantially semi-circular flat piece of resilient material having an upwardly turned edge adapted to encircle the forward edge of the toe portion of the sole of a shoe, a substantially U-shaped metal band secured to said upwardly turned edge, means on said band for engagement with the forward edge of the toe portion of the shoe sole at the toe of the shoe, a relatively flat strap uniting the free ends of said U-shaped band and adapted to be disposed transversely of the shoe sole, and means carried by said band for engagement with the bottom of the shoe sole for securing said protector in position.

2,485,924
TESTER FOR ELECTRONIC DISCHARGE DEVICES
Edwin R. Sanders, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application August 5, 1947, Serial No. 766,249
4 Claims. (Cl. 315—368)



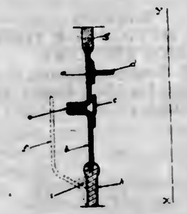
1. The process of testing a gas-containing discharge tube having a cathode, a control electrode and an anode, which consists in applying between the cathode and control electrode a biasing voltage that is a decreasing function of time such that said control electrode has a decreasing negative bias, simultaneously applying between cathode and anode voltage that is an increasing function of time and of proper polarity to make the anode increasingly positive to the cathode, whereby a discharge occurs when said bias and said anode voltage jointly attain critical values, and causing said discharge to reveal its occurrence.

2,485,925
CIRCUIT ARRANGEMENT FOR ELECTRONIC TUBES OPERATING ON DYNAMIC GRID CURRENT PRINCIPLES
John Adolph Sargrove, Shepperton-on-Thames, England
Application February 26, 1947, Serial No. 731,105
In Great Britain March 28, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 28, 1962
9 Claims. (Cl. 332—58)



1. An electronic circuit comprising an electronic tube having three electrodes in series arrangement between a cathode electrode and an anode electrode, the inner and outer electrodes as measured from the cathode being control grid electrodes and the intermediate electrode being an accelerator electrode, voltage source means establishing relative static potentials on the control grid electrodes to prevent flow of grid current, means maintaining the static potentials of the anode and accelerating electrode positive with respect to the cathode, whereby space charges between the accelerating electrode and the respective control grid electrodes set up control fields at opposite sides of said accelerator electrode, input circuit connected between the inner control grid electrode and the cathode, and a control circuit connected between the outer control grid electrode and the cathode to impose upon said outer control grid electrode an oscillatory voltage of an amplitude sufficient to block anode current during a part of the oscillatory cycle and to drive electrons in reverse direction through the accelerating electrode to reach the inner control grid, the oscillatory voltage having a period of the order of the electron transit time and said input circuit being resonant at approximately the frequency of said oscillatory voltage, whereby the instantaneous output power developed at the anode is dependent upon the phase angle between said control fields.

2,485,926
SEALED DEMOUNTABLE JOINT FOR VACUUM TUBES
Henri Saucet, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
Application July 16, 1946, Serial No. 684,055
In France February 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1965
4 Claims. (Cl. 285—111)



1. A joint for demountable vacuum tubes, characterized by it being constituted by two metallic pieces welded on either side of an intermediate element of a metal differing from that of the said two metallic pieces and of such a nature that it may be dissolved by a chemical product having no perceptible action on both said metallic pieces.

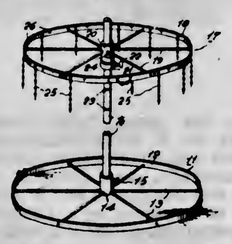
2,485,927
CATALYTIC DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Original application June 21, 1943, Serial No. 491,702. Divided and this application May 5, 1947, Serial No. 746,166
8 Claims. (Cl. 260—669)

1. In a process for the catalytic dehydrogenation of a dehydrogenatable hydrocarbon to a less saturated hydrocarbon the improvement whereby the yield of dehydrogenated hydrocarbon is increased, isomerization reactions are substantially repressed, the tendency to deposit carbon is decreased, the induction period of the catalyst is shortened and the water resistance of the catalyst is improved; which comprises contacting the hydrocarbon under dehydrogenation conditions with a multi-component catalyst composition consisting essentially of alumina formed by the dehydration of hydrated alumina, together with from approximately 2 to approximately 4 per cent by weight of magnesia, approximately 4 to approximately 6 per cent by weight of barium oxides calculated as barium hydroxide, and approximately 4 to 6 per cent by weight of potassium oxide calculated as potassium hydroxide.

2,485,928
METHOD OF MAKING SILOXANES
Philip C. Servais, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 8, 1947, Serial No. 778,742
6 Claims. (Cl. 260—448.2)

1. The method of condensing monosilanes of the general formula $R_{4-n}SiX_n$, wherein R represents a radical of the group consisting of alkyl and monocyclic aryl radicals, X represents a radical of the group consisting of chlorine atoms and alkoxy radicals, and n has a value from 2 to 3 inclusive, said silanes being condensed containing both chlorine atoms and alkoxy radicals bonded to the same silicon atoms, and the number of alkoxy radicals in the silanes being condensed being at least as great as the number of chlorine atoms, which comprises contacting said silanes in liquid phase with $FeCl_3$ at a temperature above 50° C. and below the temperature at which destructive distillation of the siloxane would occur, whereby condensation thereof to a siloxane is accomplished with the formation of alkyl chloride.

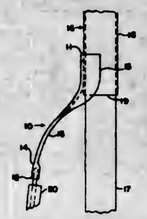
2,485,929
HOLDING DEVICE FOR POULTRY AND THE LIKE
Charles R. Siegrist, Huron, S. Dak.
Application May 24, 1945, Serial No. 595,507
2 Claims. (Cl. 17—44.1)



2. A holding device for live poultry and the like comprising an upright standard, a wheel having a rim and having a hub mounting the wheel horizontally for rotation on the standard, a plurality of chains fastened at circumferentially spaced intervals to the rim, normally depending therefrom, and each having laterally projecting links, and a slot provided in the rim spaced circumferentially around the rim a short distance from each of said chains for receiving and holding a terminal portion thereof after an intermediate portion has been wrapped at least partially around a portion of a fowl, a selected one of said links being disposed across the margins of the slot to keep the chain from being pulled through the slot.

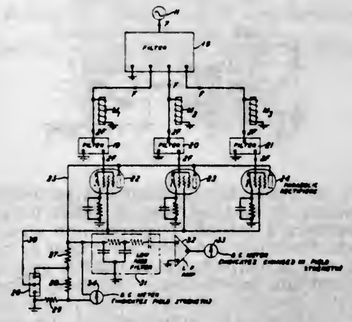
2,485,930
CONNECTOR
Robert M. Silliman, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War
Application September 6, 1945, Serial No. 614,732
4 Claims. (Cl. 173—324)

1. In a radio signaling apparatus including an antenna, a supporting structure therefor and a metallic conductor for supplying high frequency energy to said antenna; an electrical connector comprising a sheet of conductive material having greater width at one end than at the other and symmetrical about a longitudinal axis, said sheet having said wider end and a substantial area adjacent thereto formed into a substantially cylindrical shape having dimensions substantially equal to the outer dimensions of said antenna, said cylindrically formed portion flowing smoothly and gradually into a section of said connector intermediate the ends thereof, said intermediate section being substantially flat in a direction perpendicular to said longitudinal axis but curved in



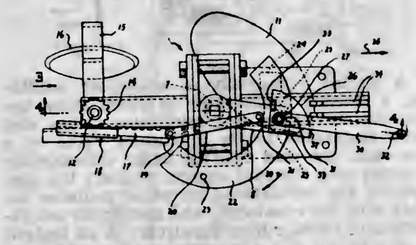
a direction along said axis, said sheet also being provided with a second cylindrically formed portion adjacent its narrow end, said second cylindrically formed portion having inner dimensions substantially equal to the outer dimensions of said conductor, said second formed portion flowing smoothly and gradually to the shape of said intermediate portion, and means for joining said first and second formed end portions of said connector respectively to said antenna and said conductor whereby electrical energy flowing between said conductor and said antenna encounters no abrupt changes in cross section of said connector.

2,485,931
MAGNETIC FIELD STRENGTH INDICATOR
Thaddeus Slonczewski, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1943, Serial No. 483,756
9 Claims. (Cl. 175—183)



1. A system for indicating the field strength of magnetism comprising in combination three magnetometer cores of magnetic material having their principal magnetic axes mutually perpendicular, windings for each core, a source of alternating current connected to windings of each magnetometer whereby second harmonic voltages are produced therein of magnitudes proportional respectively to the product of the field strength and the direction cosine of the angle formed between the principal axis of each core and the direction of the magnetic field, an electric squaring means responsive to all three of said second harmonic voltages for producing a current varying as a function of the sum of their squares, and an indicating means responsive to said produced current whereby the indications are caused to vary as a function of the strength of the magnetic field.

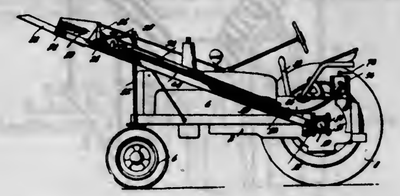
2,485,932
REVERSIBLE DISK PLOW
William R. Smith, Carlsbad, N. Mex.
Application March 25, 1946, Serial No. 657,045
2 Claims. (Cl. 97—32)



1. A reversible disc plow comprising in combination, a frame adapted for connection to a source of motive power, a vertical shaft and a vertical king-pin rotatably journalled in said frame, a bracket at the lower end of said shaft, a carrier at the lower end of said king-pin, a vertically off-set plow disc rotatably mounted on said bracket, a vertically off-set cutter wheel rotatably journalled in said carrier, a crank secured to the upper end of said shaft, a pinion mounted on the upper end of said king-pin, a rack strip slidable on said frame and in engagement with said pinion, a pitman connecting said crank to said rack strip, a segment secured to said frame concentrically with said shaft, an upright extension at the free end of said crank, a spring controlled indexing pin slidably positioned in said extension, said segment being formed with a plurality of indexing apertures, the lower end of said pin normally extending through said crank and engaging one of said apertures, a quadrant secured to the upper end of said extension, a lever connected at one end thereof to the upper end of said pin, a portion of said lever resting on said quadrant, and a handle at the remaining end of said lever, the edge of said quadrant acting as a fulcrum for said lever upon the depression of said handle, and said lever disengaging said pin from said aperture.

2,485,933
MATERIAL LOADER AND CONTROL
Leo C. Sokol, Duncan, Nebr.
Application September 23, 1946, Serial No. 698,686
3 Claims. (Cl. 214—140)

1. In a material loader attachment for tractors and the like, the combination, which comprises a pair of parallel beams positioned on opposite sides of a tractor, means pivotally mounting the rear ends of the beams on the rear axle of the tractor with the forward ends of the beams extending beyond the forward end of the tractor, a scoop with forwardly extending tines positioned between the forward ends of the beams, means pivotally mounting the scoop in the ends of the beams, a latch for holding the scoop in loading position, a hand lever pivotally mounted on one of the beams for actuating the latch to release the scoop, said hand lever adapted to return the scoop to loading position, vertically disposed posts mounted on the forward end of the tractor, a hydraulic cylinder having a piston rod with a pulley in the end thereof mounted on one



of said parallel beams, cables with one end anchored to one of the beams and the other ends anchored to the upper ends of the posts trained over the pulley of the piston rod and pulleys on the beams for elevating the scoop as the piston rod moves out of the cylinder, and a control valve on the tractor for controlling the flow of fluid to the hydraulic cylinder.

2,485,934
ALGINATE ICE-CREAM STABILIZING COMPOSITION
Arnold B. Steiner, La Jolla, Calif., assignor to Kelco Company, San Diego, Calif., a corporation of Delaware
No Drawing. Application October 21, 1946, Serial No. 704,791
6 Claims. (Cl. 99—136)

1. An ice cream stabilizing composition comprising as its essential stabilizing component about 40 to about 90% of a water-soluble salt of partially depolymerized low viscosity alginic acid, said salt characterized in that an aqueous solution thereof yielding a concentration equivalent to 2.4% alginic acid has a Woolwich viscosity not exceeding 100 seconds.

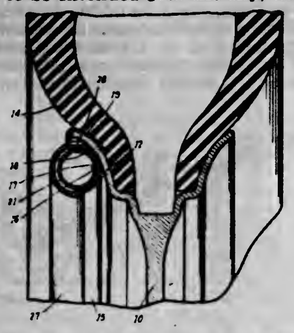
2,485,935
STABILIZED ICE-CREAM MIXES
Arnold B. Steiner, La Jolla, and Gerald D. Sperry, San Diego, Calif., assignors to Kelco Company, San Diego, Calif., a corporation of Delaware
No Drawing. Application September 16, 1947, Serial No. 774,424
4 Claims. (Cl. 99—136)

1. The method of stabilizing an ice cream which consists in adding to the ice cream mix, prior to freezing the same, a small but effective quantity of a propylene glycol ester of alginic acid, said acid being not less than 40% esterified and in the form of solid particles which will pass substantially completely through a 40 mesh standard screen.

2,485,936
RING WEIGHT HOLDER FOR BALANCING AUTOMOBILE WHEELS
Emory S. Stroberg, Atlanta, Ga.
Application July 9, 1948, Serial No. 37,876
3 Claims. (Cl. 301—5)

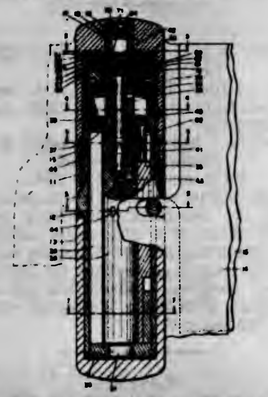
1. A balancing weight arrangement for wheels comprising a ring of semi-circular section, a spring clip adapted to be fitted into the ring and extended over the rim of a wheel, balance weights of arcuate shape adapted to be fitted into the

ring at different locations thereon, and a cover adapted to be extended over the clip, the weights



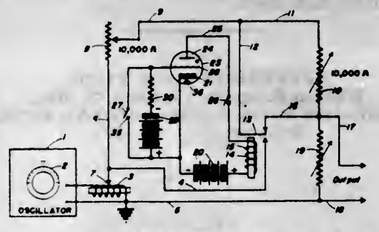
and the ring and in tight fitting engagement with the latter.

2,485,937
DETENT FOR CARTRIDGE TYPE DOOR HINGES
Alfred J. Swanson, Hollywood, Calif.
Application December 7, 1946, Serial No. 714,705
3 Claims. (Cl. 16—54)



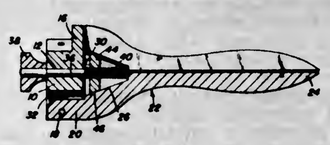
1. A hinge mechanism comprising a pair of leaves adapted for attachment to a closure and to a closure mounting frame; a cartridge having a cylindrical housing and a concentric shaft extension protruding from the upper end of said cartridge housing, said cartridge containing hydraulic checking means adapted to control the relative rotary movement of said shaft extension and said cartridge housing; a hollow upper part-casing extending from the edge of one leaf, adapted to fit over and turn on the upper portion of said cartridge housing, and to non-rotatably engage said shaft extension; a hollow lower part-casing extending from the edge of the other leaf, adapted to fit over the lower portion of said cartridge housing; and detent means for releasably holding said upper part-casing at a selected position relative to said cartridge comprising spring disk means non-rotatably attached to said shaft extension and disposed between the top surface of said cartridge and the contiguous surface of said upper part-casing, and wedge means disposed at a selected position on the top surface of said cartridge and adapted to engage a surface of said disk means to effect wedging engagement between said upper casing and said cartridge.

2,485,938
VOLTAGE GENERATOR, HYPERBOLIC WAVE FORM
Francis Leo Talbott, Washington, D. C., and Ralph O. Robinson, Jr., Houston, Tex., assignors to the United States of America as represented by the Secretary of the Navy
Application July 8, 1947, Serial No. 759,640
6 Claims. (Cl. 171—97)



6. A circuit, comprising a source of oscillations, a resistor decreasable in equal steps between its maximum and minimum values and rapidly restorable to its maximum value in a single step, the said resistor being interposable into series with the said source, whereby the amplitude of the oscillations increases stepwise inversely with the resistance, and means for inserting the said resistor into the circuit at an instant that its resistance is a maximum, the said means comprising a relay and a switch controlled in synchronism with the said resistor, the said switch serving to actuate the relay at the proper instant.

2,485,939
RECTAL DILATOR
Addington C. Tedford, Huntington, W. Va.
Application February 2, 1948, Serial No. 5,821
5 Claims. (Cl. 128—345)

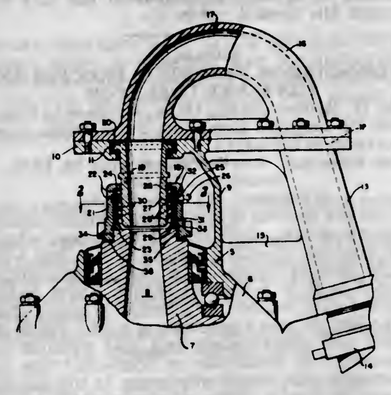


1. A dilator for cavities of the human body comprising a hub, a plurality of radial slotted lugs thereon, webs connecting the outer portion of the inner ends of said lugs and said hub, a plurality of dilator arms having smoothly curved exterior surfaces and pivoted at their rear ends in said slots, a single spring engaging said hub and each of said rear ends and resiliently urging said arms to their contracted position and a cam engaging inclined surfaces on said arms for causing opening of the dilator arms.

2,485,940
PACKING CARTRIDGE
Guglielmo R. Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application September 19, 1945, Serial No. 617,342
5 Claims. (Cl. 285—97.1)

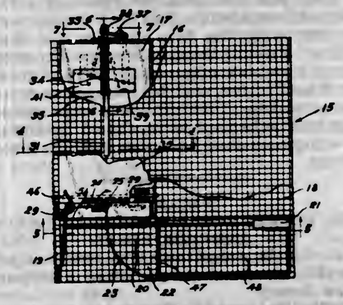
4. In packing for sealing a swivel connection comprising a packing chamber defined by an inner cylindric member and a surrounding cylindric wall in spaced relation thereto and axially spaced end walls, the first of said end walls being movable toward the second of said end walls: an assembly

of ring members disposed in axial, face-to-face arrangement, and being secured together to act as a unit, said assembly of ring members comprising a plurality of packing rings having reinforced body portions, and resilient annular lips extending from the end portions of said body portions toward and for engagement with said inner cylindric member and against the direction of the hydraulic pressure applied to the packing, rigid supporting rings alternated with said packing rings and supportingly engaging the portions of said annular lips contiguous to their joinder with said body portions, and a sealing ring at the hydraulic pressure receiving end of said assembly making



a sealing engagement with one of said end walls, said assembly of ring members being of such length relatively to the minimum axial separation of said end walls that when said first end wall is moved toward said second end wall said assembly will be subjected to end pressure and the body portions of said packing rings will be placed under axial compression which will urge said lips away from said body portions and toward said inner cylindric member, said ring members being secured together in such manner that the external end faces of the end ring members of said assembly are exposed for engagement by said end walls of said packing chamber.

2,485,941
ANIMAL TRAP
Lowry L. Turner, Denmark, S. C.
Application October 8, 1946, Serial No. 701,947
6 Claims. (Cl. 43—64)



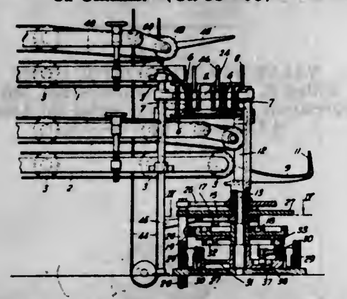
3. In a trap a substantially rectangular closed compartment having an entrance and an exit adjacent the entrance, a depressible platform in the compartment pivotally supported adjacent the entrance and exit to swing about a horizontal axis, a door pivotally supported to swing about a vertical axis between the entrance and the exit, means yieldingly to hold the door in a position to close the exit and means actuated upon the depression of the platform to swing the door into a position to close the entrance.

2,485,942
VALVE POSITION INDICATOR
Ralph R. P. Turner, Walkersville, Md.
Application June 20, 1945, Serial No. 600,496
4 Claims. (Cl. 116—125)



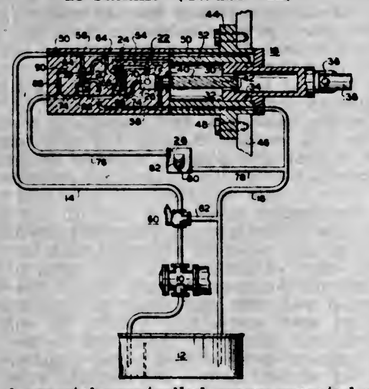
4. An indicator for valves of the type having a valve stem that is rotatable relative to the valve housing, said indicator comprising a pair of discs each including a hub portion for positioning in close parallelism and axially relative to the valve stem, means on one of said hub portions for securing the respective disc to the valve housing to be supported in fixed position, means on the other of said hub portions for frictionally securing the respective disc to the valve stem to be movably supported relative to the fixed disc, diametrical radial slots in said discs and extending to said hub portions to provide segmental vanes of corresponding size and shape, diametrical arcuate slots concentrically in said discs and respectively extending from one side only of each of said radial slots to half the arcuate width of said vanes to separate said vanes from their hub portions and form arm portions therebetween, said segmental vanes being substantially parallelly angularly inclined relative to the normal plane of their respective discs, the vanes of each of said discs respectively extending laterally from the opposite sides of their respective arm portions to permit their superposition in registry on opposite sides of each other by rotation of the valve stem and consequent revolving of the disc carried thereby, the said opposite sides of said arm portions forming cooperative abutments for limiting the relative movement of said discs in one direction and with said vanes in superimposed registry, a stop on the radial slot edges of the laterally extending portions of the fixed disc vanes for abutment with the coinciding edges of the movable disc vanes to limit the relative movement of said discs in the other direction and with said vanes in superimposed registry, and contrasting indicia on opposite sides of said vanes with the indicia on the relative opposite sides of said vanes coinciding so that the exposed indicia will coincide when said vanes are superposed in registry.

2,485,943
DELIVERY MECHANISM FOR PRINTING AND LIKE MACHINES
George Turrall, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application July 19, 1946, Serial No. 684,877
In Great Britain July 20, 1945
11 Claims. (Cl. 92—93)



11. In a machine for producing folded products and having upper and lower deliveries to which products are forwarded in batches, a batch to one delivery and then a batch to the other delivery alternately and in succession with their folded edges positioned in the same relation with respect to their direction of movement, a receiving platform for each delivery, a holding platform, a pivotal support and a cooperating raising mechanism associated with the lower receiving platform, whereby a batch on the lower support is turned to dispose the folded edges of the products in an opposite direction and is raised to deposit the batch on the holding platform, a pusher device associated with the upper receiving platform, whereby a batch is moved therefrom to position it on top of the batch resting on the holding platform, and an endless vertical conveyor driven in timed relation with the motion of the batches of products to the holding platform, and having arms arranged to pick up the batches on the holding platform two at a time and carry them away.

2,485,944
POWER TRANSMISSION
Ralph L. Tweedale, Birmingham, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application August 7, 1947, Serial No. 767,017
15 Claims. (Cl. 121—41)

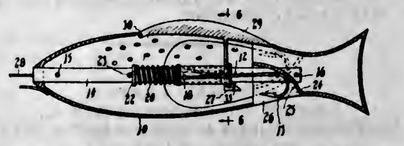


1. A remotely controlled power operated servo motor circuit with hydraulic follow-up comprising a source of pressure fluid supply, a servo motor connected to the supply, two flow control valves connected in series in a control circuit to the supply, a pressure actuated directional valve for controlling the direction of travel of the servo motor and responsive to the difference in pressure between the source of supply and the intermediate pressure between the flow control valves, means for selectively varying the rate of flow through the second flow control valve to effect movement of the servo motor, and means linking the servo motor to the first flow control valve whereby the first valve will be automatically adjusted to a flow rate equal to the flow rate through the second valve.

2,485,945
HYDROCARBON SYNTHESIS PROCESS AND CATALYST THEREFOR
Scott W. Walker, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application August 26, 1947, Serial No. 770,749
8 Claims. (Cl. 260—449.6)

1. In the process of converting carbon monoxide and hydrogen gases into hydrocarbons wherein a mixture of said gases, in which the volumetric ratio of hydrogen to carbon monoxide is about 2 to 5, is contacted with a finely divided fluidized iron catalyst at a temperature of about 550 to 700° F. and a pressure of about 100 to 600 pounds per square inch, and said catalyst has a tendency to defluidize or "ball-up," the improvement comprising employing as the catalyst for said process a finely divided metallic iron in plate-like form resulting from the reduction at elevated temperature of iron oxide scale obtained as a film on the surface of metallic iron exposed to air at a temperature above red heat under conditions at which only the surface of the iron is oxidized.

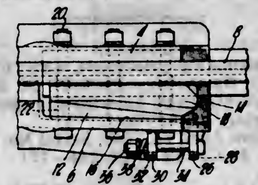
2,485,946
FISHING PLUG
Victor Thomas Watt, Windsor, Ontario, Canada
Application November 1, 1945, Serial No. 626,078
7 Claims. (Cl. 43—35)



1. In a device of the class described, a chambered body provided with an aperture and compressible side sections, a fish hook including a bill, means mounting the fish hook in said body for ejection of the bill portion thereof through said aperture, a detent engaged with said means to render it ineffective, and flexible means extending from one to the other of said compressible side sections and arranged to be flexed by the simultaneous compression thereof in order to disengage the detent.

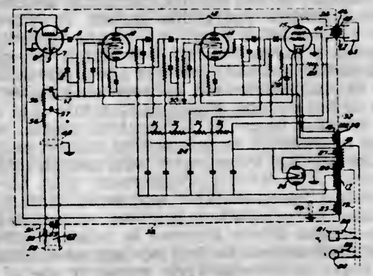
2,485,947
FLARE BLOCK FOR RAILWAY CROSSINGS AND THE LIKE
Frank G. Wertz, Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application July 30, 1948, Serial No. 41,516
3 Claims. (Cl. 246—465)

1. A flare block assembly for an articulated railway rail crossing comprising two crossing arms in spaced relationship, a running rail in the space intermediate said crossing arms adjacent one of said arms, a flare block disposed intermediate said running rail and said other crossing arm, said arms, rail, and flare block being bolted



together, said flare block having bolt holes therethrough larger in diameter than the diameter of the holding bolts to provide a lost motion mounting for said flare block, and resilient means for urging said flare block inwardly between said running rail and said crossing arm.

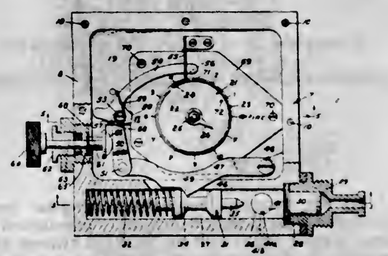
2,485,948
LOW-FREQUENCY CONVERTER-AMPLIFIER SYSTEM
Albert J. Williams, Jr., and Raymond E. Tarpley, Philadelphia, and Norma C. Johnson, Merwood Park, Pa., assignors to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 31, 1947, Serial No. 725,464
9 Claims. (Cl. 332—68)



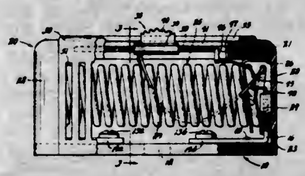
1. A converter-amplifier arrangement comprising a vibratory reed converter, a low-frequency amplifier in the output circuit of said converter for amplification at the converter frequency, a conductive shielding system enclosing said amplifier and said converter, a signal input circuit including leads external to said shielding system for supplying to said converter unidirectional current or sub-converter-frequency current, an amplifier output circuit including leads external to said shielding system, means including leads external to said shielding system for supplying power to the driving coil of said converter and to the tubes of said amplifier, and means for preventing production of spurious signals by the converter-amplifier comprising means for excluding from within said shielding system radio-frequency energy picked up by said external leads.

2,485,949
DELAY ACTION FUSE
Benjamin J. Wilson, Oreland, and John E. Stringer, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War
Application July 18, 1945, Serial No. 605,764
3 Claims. (Cl. 102—84)

1. A delay action fuze comprising a housing adapted to receive a time measuring mechanism therein, a part adapted to be driven by the time measuring mechanism, a detent disengageably held by said part, a spring pressed firing pin, and a sear means engaging and holding the firing pin in a retracted, cocked position, said sear means detachably engaging the detent and being releasably held in engagement with the firing pin thereby, said detent having a lug bearing against the sear means for retaining it in an operative position in engagement with the firing pin, said lug being movable out of engagement with the sear means by the movement of the detent to a released position, and a tongue on the detent disposed to engage and trip the sear means toward a released position, when the detent is released.

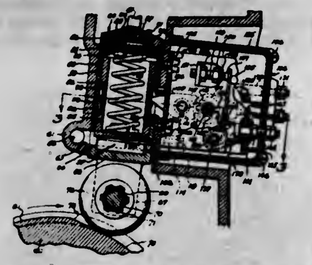


2,485,950
ELECTRIC THERMOSTAT
John M. Wilson and Benjamin Cyr, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 30, 1945, Serial No. 631,900
13 Claims. (Cl. 201—48)



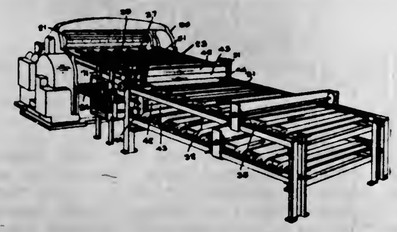
1. A space thermostat for use with temperature control apparatus using temperature sensitive resistance elements including, a base member adapted for wall mounting, a cover member detachably secured to said base member having apertures in the top and bottom walls thereof, a temperature responsive resistor having a high coefficient of resistance mounted in spaced relation to said base adjacent the apertures in said cover member and with its longitudinal axis horizontally disposed, said resistor being operative to induce the flow of a vertical air stream through the apertures in said cover member, a variable resistor connected in series with said temperature responsive resistance, said variable resistor being mounted adjacent said cover in spaced relation to said temperature responsive resistor and to one side of the path of said induced vertical air stream, and a manually operable control portion of said variable resistor extending through the exterior of said cover to provide adjustment of said variable resistor.

2,485,951
INTERNAL-COMBUSTION ENGINE
Spencer Q. Zimmerman, Detroit, Mich.
Application August 16, 1946, Serial No. 690,967
7 Claims. (Cl. 123—146.5)



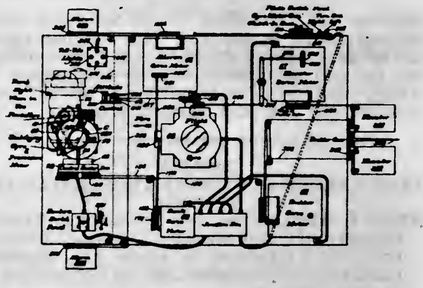
1. In an internal combustion engine having a cylinder with a piston drivingly connected to a power output shaft and an ignition system and a pressure feed lubrication system connected to said cylinder, a valve controlling the opening and closing of a port in said cylinder, a rotary cam connected to said shaft, a valve operator engaging said valve, a cam follower connected to said valve operator and engaging said cam, an ignition timer in said ignition system engageable with said valve operator and responsive to the motion thereof for energizing said ignition system, and mechanism connected to said valve operator and responsive to the increase of pressure in said lubrication system for advancing the relative time of engagement between said valve operator and said timer.

2,485,952
CONTROL MECHANISM FOR CONVEYER APPARATUS
Charles W. Apgar and Abraham L. Rosenfeld, Philadelphia, Pa., assignors to Abraham L. Rosenfeld, Charles W. Apgar, and Fredric R. Mann, all of Philadelphia, Pa., as trustees
Application January 30, 1945, Serial No. 575,314
15 Claims. (Cl. 198—20)



13. In an apparatus for handling and distributing stock delivered in sheet form from a main fabricating apparatus having associated therewith a conveyor including a set of endless belts for successively moving the sheets forwardly, a sheet distributing unit disposed in advance of said conveyor, said distributing unit having conveyor belts movable laterally of the direction of the first-mentioned conveyor belts, driving means for said second-mentioned conveyor belts operative by said first-mentioned conveyor, and electrically operated means for arresting the forward movement of said sheets as the same are successively deposited upon said second-mentioned conveyor belts, said motion arresting means including a drive roll operative at a surface speed substantially less than the surface speed of the first-mentioned conveyor and an associated drop-roll positioned above said drive roll operative to engage successive sheets automatically as predetermined lengths thereof pass over said drive roll to press the same into positive engagement with said drive roll.

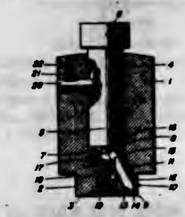
2,485,953
AIRCRAFT CONTROL SYSTEM
Theodore H. Barth, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application April 24, 1940, Serial No. 331,479
34 Claims. (Cl. 244—77)



6. A system for controlling an aircraft having a rudder and ailerons, comprising a gyro stabilized in azimuth, rudder control energizing means and aileron control energizing means governed by said gyro; rudder operating means including a housing, a motor therein, two clutch assemblies each having a driving member and a driven member, driving connection between said motor and said clutch driving members to rotate said driving member normally inoperative, means selectively energizable by said rudder control energizing means to move each said clutch driving member into driving engagement with the cooperating driven member and move such driven member into operative position, a pinion fixed to each said driven member to rotate therewith, a differential gear having two spaced coaxial input gears each respectively engaging one of said pinions and an output shaft connected to be differentially driven by said input gears, a drum driven by said output shaft, means operatively connecting said drum to said rudder, follow-up means connected between said drum and said rudder control energizing means, aileron operating means connected to be energized by said aileron control energizing means to move said ailerons to cooperate with said rudder, follow-up means connected between said aileron operating means and said aileron control energizing means and manual means to energize said aileron operating means.

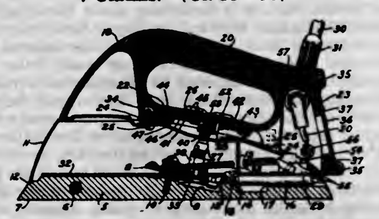
26. A gyro-vertical construction comprising a casing, a rotor journaled therein, spinning means therefor, a gimbal supporting said casing for oscillation about axes perpendicular to each other, and erecting means comprising a normally vertical pin revolubly mounted on said casing, rotating means therefor, and a pair of masses freely mounted independently of each other for oscillation under the influence of gravity about mutually perpendicular axes, each of said masses having a slot therein extending in a plane passing through the axis of oscillation thereof and said pin being loosely embraced within both of said slots, said masses being substantially in equilibrium when said pin is vertical but being displaced from position of equilibrium when said pin is removed from the vertical whereby they are pressed by gravity into drag-exerting relationship with the rotating pin and thereby generate an erecting torque acting on said casing.

2,485,954
STAKING TOOL
Ellis Burrell, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy
Application January 13, 1944, Serial No. 518,197
8 Claims. (Cl. 78—1)



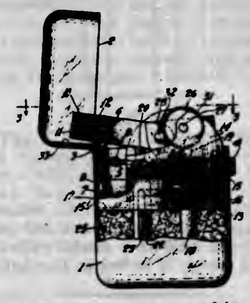
4. In combination with a tool body, an axially aligned reciprocable plunger in said body, and an obliquely disposed reciprocable staking jaw mounted in said body in advance of and engaged by the plunger, said plunger having a cam surface to engage said jaw, said staking jaw having a notch in its side, a spring supported follower mounted for reciprocable movement in the tool body in advance of said plunger and with the inner end of said follower in engagement with the notch in the side of the staking jaw and coacting with the notched jaw to retract the plunger and jaw, said follower being mounted in axial alignment with said plunger.

2,485,955
CONTROL DIAL MOUNTING FOR ELECTRIC IRONS
Fred Busch, Milwaukee, Wis., assignor to Milsteel Products Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 24, 1947, Serial No. 750,245
7 Claims. (Cl. 38—90)



1. A pressing iron comprising, a sole plate having an electric heater associated therewith, a thermostatic control switch for said heater carried by said sole plate, a hollow body normally concealing said switch, a manipulating handle secured to said body, said handle being provided with a relatively wide base portion having an opening therethrough surrounded by an upper inwardly extending flange forming a lower recess, and adjusting mechanism for said switch including a dial disposed coaxially of and journalled for rotation within the opening in said handle base and having a portion projecting upwardly through the central opening bounded by said flange, said dial being provided with a lower outwardly directed flange coacting with said base flange and rotatable within said base recess, means cooperable with said handle base below said dial for preventing displacement of said dial from said base opening and forming a bearing for said dial, and means interposed between said dial and said switch for transmitting motion from said dial to said switch.

2,485,956
POCKET LIGHTER
Adolph Campos, Newark, N. J., assignor to Chester Mueller, Newark, N. J.
Application October 2, 1946, Serial No. 700,635
1 Claim. (Cl. 67—7.1)

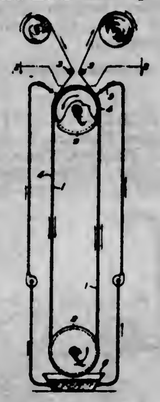


In a pocket lighter, a combination of an open ended case, a cover hinged thereon along one edge, an operating mechanism supporting housing adapted to fit within the case and partition off a fuel receptacle in the lower portion thereof, a guide tube extending through the fuel receptacle one end of which is opposite a closable opening through the exterior wall of the case the other end supported by and opening out through the said housing, a wick carried in said guide tube, a pair of parallel plates extending upward of the housing, an abradant surfaced wheel rotatably mounted adjacent to the wick on a shaft journalled in such parallel plates, a ratchet on one side of said wheel along its periphery, a pyrophoric element in operative engagement with said wheel, a finger piece slidably mounted near its outer end in an opening in the case nearly opposite the hinged edge of the cover and having an attached pair of rods extending within the case, a lever arm with a forked end and pivotally mounted at its other end within said housing and provided with journals to receive the finger piece rod extensions, a spring interposed between said lever arm and case pressing the finger piece outward and resistant to inward pressure, a link member pivotally connected at one end to the cover and having a pin crosswise of its length adapted to rest within the forked end of the lever arm, a clutch carrying member rotatably mounted coaxially and in embracing relationship with the abradant surfaced wheel and pivotally connected with said link member, and a clutch piece contained by said carrying member with a detent normally engaged in an interspace of the ratchet on the side of said wheel.

2,485,957
APPARATUS FOR TREATING STRANDS
Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 26, 1946, Serial No. 665,080
2 Claims. (Cl. 28—59.5)

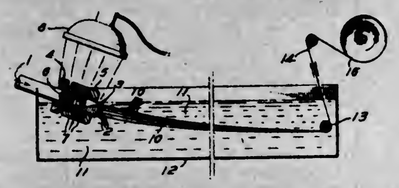
2. Apparatus for stretching a collagen strand comprising in combination an independently

driven vertical endless rubber belt, means for directing a collagen strand along substantially the length of said belt and duplicate means positioned on either side and near the top of said belt for



applying treating liquid to said strand as it is carried by said belt and means for leading the strand from the belt at a linear velocity greater than that at which it is fed to the belt.

2,485,958
METHOD OF SPINNING COLLAGEN FILAMENTS
Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 25, 1946, Serial No. 686,122
2 Claims. (Cl. 18—54)



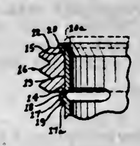
1. A process of producing a collagen filament which comprises extruding a solution containing substantially 5–15% collagen through a spinnerette head maintained above substantially 35° C. and into a spinning bath maintained at substantially 20° C. and removing the filaments therefrom.

2,485,959
SPINDLE ADAPTER AND BOBBIN
Trevor L. Davies, Clarendon Hills, Ill., assignor to F. L. Regnery Corp., Chicago, Ill., a corporation of Illinois
Application October 18, 1947, Serial No. 780,741
3 Claims. (Cl. 57—130)

1. An adapter for use with a spinning spindle of the type having a blade and a whorl united by a press fit or the like, comprising a metal member having a predetermined external configuration for accommodating a standard bobbin, and means defining a bore in said adapter of such shape as tightly to embrace two spaced portions of said spinning spindle, one of said spaced portions comprising a tapered portion of said blade and the other of said spaced portions comprising a tapered extension of said whorl, said adapter effectively becoming an integral part of said spindle upon press fitting of the tightly embracing portions of said spindle and said adapter, whereby said blade and whorl of said spindle are effectively locked together by said adapter.



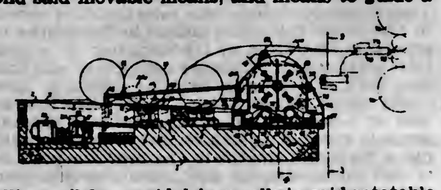
2,485,960
PIPE JOINT
Patrick F. Donahue, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 11, 1944, Serial No. 558,228
5 Claims. (Cl. 285—120)



1. A joint connection for the end of a tubular pipe of relatively thin wall thickness, a plurality of elongated circumferential spaced beads or nibs formed radially out of the wall of said pipe adjacent one end and from the interior thereof, said beads having a rounding apex merging into substantially flat beveled surfaces diverging from said apex, a threaded ring bushing adapted to slip over the outer end wall of said tube and provided with a beveled seat complemental to and adapted to seat against the upper beveled surface of said beads, and the upper end of the tubular pipe flared outwardly over the outer end of the ring bushing for permanently anchoring said ring bushing to said pipe, said beads forming individual and interrupted gripping medium for said bushing to hold said bushing against rotation relative to said pipe.

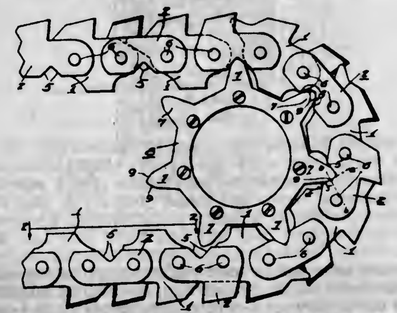
2,485,961
COIL HANDLING APPARATUS AND METHOD
Clarence J. Duby, Youngstown, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application October 3, 1945, Serial No. 620,108
9 Claims. (Cl. 242—78)

8. Coil handling apparatus comprising a downwardly inclined runway, a pair of driven rolls extending transversely of said runway between its ends and positioned to receive a coil rolling down said runway, freely rotatable coil supporting means disposed beyond and adjacent to the lower end of said runway, an abutment positioned beyond said means to prevent a coil from rolling beyond said movable means, and means to guide a



rolling coil from said driven rolls to said rotatable means.

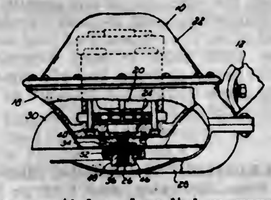
2,485,962
CHAIN SAW
John M. Entwisle, Philadelphia, Pa., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1945, Serial No. 595,083
4 Claims. (Cl. 143—135)



1. In a chain saw, a driving sprocket having teeth each provided at its outer end with flat terminal surfaces angularly disposed to the side surfaces of the tooth which extend between the terminal surfaces and the root, said terminal surfaces converging toward the tip of the tooth and forming equal angles to a plane radial to and containing the axis of the sprocket and intersecting said tip, and a cutting chain having pivotally connected links provided with shallow recesses for reception of the said ends of the sprocket teeth, each said recess having flat converging sides forming equal angles with a plane normal to the longitudinal axis of the link and bisecting the recess, said axis being defined by a line intersecting the centers of the link pivots, the angle comprehended between said sides of the recesses corresponding to the comprehended angle between the said terminal surfaces of the sprocket teeth, whereby the surfaces of the teeth may seat flatly upon the sides of the respectively associated recesses, said chain being supported on the sprocket solely within said recesses, and the pivots of each recessed link being disposed so that lines normal to the said flatly seated surfaces of the teeth and link and intersecting the approximate center of contact of said surfaces will also intersect the pivot positioned immediately in advance of said surfaces.

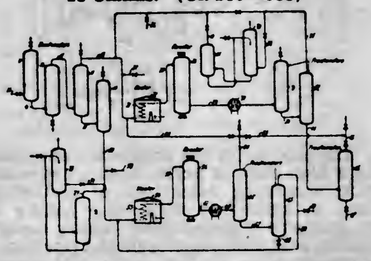
2,485,963
POWER-DRIVEN GRASS TRIMMER
James H. Godfrey, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application June 30, 1948, Serial No. 36,215
8 Claims. (Cl. 30—276)

1. In a power driven grass shears including a motor driven shaft and a blade, the combination of mechanism connecting said blade to said shaft so as to be rotated thereby in a plane transverse to the axis of said shaft, said mechanism including yieldable means interengaging said shaft and blade and constructed and arranged to permit



limited tangential and radial movement of said blade relative to said shaft, whereby when an obstacle is encountered by said blade while being rotated said yieldable means will substantially prevent the transmission of shock to said shaft.

2,485,964
METHYLCYCLOPENTENE PRODUCTION
George M. Good, Albany, and Hervey H. Voge, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 29, 1947, Serial No. 776,763
13 Claims. (Cl. 260—666)



1. The process for the production of methylcyclopentenes in a relatively high state of purity from complex hydrocarbon mixtures comprising 1-methylcyclopentene, 3-methylcyclopentene and 4-methylcyclopentene in admixture with close boiling open chain aliphatic hydrocarbons having six and seven carbon atoms to the molecule inseparable therefrom by fractionation on a practical scale, which comprises separating a lower boiling fraction comprising 3-methylcyclopentene in admixture with close boiling open chain aliphatic hydrocarbons having six carbon atoms to the molecule and a higher boiling fraction comprising 1-methylcyclopentene and 4-methylcyclopentene in admixture with close boiling open chain aliphatic hydrocarbons having seven carbon atoms to the molecule from said hydrocarbons mixture, contacting said lower boiling fraction with a solid adsorptive aluminous material under olefin isomerizing conditions at a temperature of from about 200° C. to about 350° C. and a liquid hourly space velocity of from about 0.5 to about 25 thereby effecting the conversion of 3-methylcyclopentene to 1-methylcyclopentene and 4-methylcyclopentene in a first reaction zone, separately contacting said higher boiling fraction with a solid adsorptive aluminous material under olefin isomerizing conditions at a temperature of from about 200° C. to about 350° C. and a liquid hourly space velocity of from about 0.5 to about 25 thereby effecting the conversion of 1-methylcyclopentene and 4-methylcyclopentene to 3-methylcyclopentene in a second reaction zone, fractionating 1-methylcyclopentene and 4-methylcyclopentene free of any substantial

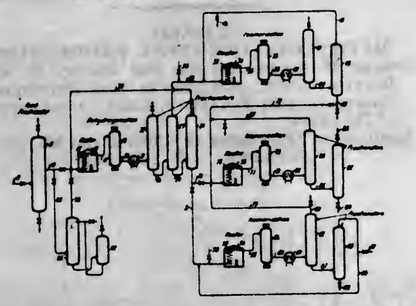
amount of open chain aliphatic hydrocarbons from the effluence of the first reaction zone, fractionating 3-methylcyclopentene free of any substantial amount of open chain aliphatic hydrocarbons from the effluence of the second reaction zone, and combining said 3-methylcyclopentene fractionated from the effluence of said second reaction zone with said 1- and 4-methylcyclopentenes fractionated from the effluence of said first reaction zone to obtain a mixture of isomeric methylcyclopentenes of high purity.

2,485,965

CYCLOHEXENE PRODUCTION

Hervey H. Voge, Berkeley, and George M. Good, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 29, 1947, Serial No. 776,764
10 Claims. (Cl. 260—666)



10. The process for the production of cyclohexene in a high state of purity from a hydrocarbon fraction consisting essentially of methylcyclopentane in admixture with close boiling open chain aliphatic hydrocarbons, which comprises contacting said methylcyclopentane fraction with a dehydrogenating catalyst under dehydrogenating conditions converting methylcyclopentane to methylcyclopentenes in a dehydrogenating zone, fractionating from the effluence of the dehydrogenating zone a fraction comprising 1-methylcyclopentene and 4-methylcyclopentene in admixture with close boiling open chain hydrocarbons, contacting said 1- and 4-methylcyclopentene fraction with a solid olefin isomerizing catalyst under isomerizing conditions effecting the conversion of 1-methylcyclopentene and 4-methylcyclopentene to 3-methylcyclopenetene in a first isomerizing zone, fractionating 3-methylcyclopentene free of any substantial amount of open chain aliphatic hydrocarbons from the effluence of said first isomerizing zone, contacting said 3-methylcyclopentene separated from the effluence of said first isomerizing zone with a solid olefin isomerizing catalyst under isomerizing conditions effecting the conversion of methylcyclopentenes to cyclohexene in a second isomerizing zone, and separating cyclohexene in a relatively high state of purity from the effluence of said second isomerizing zone.

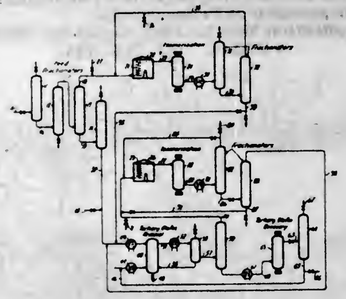
2,485,966

METHYLCYCLOPENTENE PRODUCTION

George M. Good, Albany, and Hervey H. Voge, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 29, 1947, Serial No. 776,765
10 Claims. (Cl. 260—666)

1. The process for the production of tertiary cyclic olefins in a relatively high state of purity consisting essentially of 1-methylcyclopentene from a complex hydrocarbon mixture comprising 1-methylcyclopentene and 4-methylcyclopentene in admixture with close boiling hydrocarbons inseparable therefrom by fractionation on a practical scale, which comprises contacting said mixture with a selectively reacting chemical agent under conditions effecting the selective interaction of 1-methylcyclopentene and said chemical agent in a tertiary olefin removing zone, separating a fraction comprising the reaction products of said chemical agent and 1-methylcyclopentene and a hydrocarbon fraction comprising unconverted 4-methylcyclopentene from the effluence of said tertiary olefin removing zone, contacting said 4-methylcyclopentene-containing hydrocarbon fraction emanating from said tertiary olefin re-



moving zone with a solid olefin isomerization catalysts under olefin isomerizing conditions effecting the conversion of 4-methylcyclopentene to 1- and 3-methylcyclopentenes in an olefin isomerizing zone, fractionating 3-methylcyclopentene and hydrocarbons comprising 1- and 4-methylcyclopentenes from the effluence of said isomerizing zone, recycling said 3-methylcyclopentene back into said isomerizing zone, passing said hydrocarbons comprising 1- and 4-methylcyclopentenes fractionated from the effluence of said isomerizing zone to said tertiary olefin removing zone, and separating tertiary cyclic olefins in a high state of purity consisting essentially of 1-methylcyclopentene from said fraction comprising reaction products of said chemical agent and 1-methylcyclopentene separated from the effluence of said tertiary olefin removing zone.

2,485,967

MANUFACTURE OF PATENT LEATHER AND SIMULATED PATENT LEATHER

Archibald B. Harding, Stoneham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 30, 1946, Serial No. 644,434
10 Claims. (Cl. 154—97.5)

1. The method of making a coated product of the nature of patent leather or simulated patent leather which comprises applying a thermoplastic resin coating to a flexible fibrous backing, separately applying a thermoplastic resin coating to unannealed aluminum foil, and then transferring the coating on said foil to the coating on said backing by rendering at least one of said coatings superficially tacky and compressing the coated surfaces together under pressure and removing said foil from the coated backing, whereby said backing is provided with a smooth and glossy finish.

2,485,968

METHOD OF PRERINSING SOILED DISHES AND SIMULTANEOUSLY RECOVERING TABLEWARE FROM TABLE SCRAPS

Frank T. Hilliker, St. Louis, Mo., assignor, by direct and mesne assignments, of fifty per cent to Russell M. Carson, Red Oak, Iowa, and fifty per cent to Ethel Hohl, Kansas City, Mo., as trustee for George C. Hohl

Original application November 16, 1942, Serial No. 465,789. Divided and this application November 26, 1945, Serial No. 630,780
6 Claims. (Cl. 134—10)



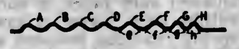
5. The method of pre-rinsing soiled dishes and simultaneously recovering table ware from table scraps which comprises the steps of directing a stream of water under pressure upwardly to create a freely falling column of water; flooding off the said ware and the said scraps from said soiled dishes with the falling water of the column; collecting the ware, the scraps, and the water to form a pool arresting the fall of said water and wherein, through the action of gravity, the table ware is required to settle to the bottom of the pool; causing the water with entrained scraps to flow laterally from the upper portion of the pool away from the pool; separating the scraps from the water after they leave the pool; recirculating the water to form the said column of water; and adding previously unused water to the recirculated water in sufficient quantity to compensate for that water lost due to separation of the scraps and water.

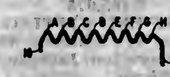
2,485,969

METHOD OF MAKING BRAKE DRUMS

Stanley N. Johnson, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application May 21, 1945, Serial No. 595,041
4 Claims. (Cl. 153—73)





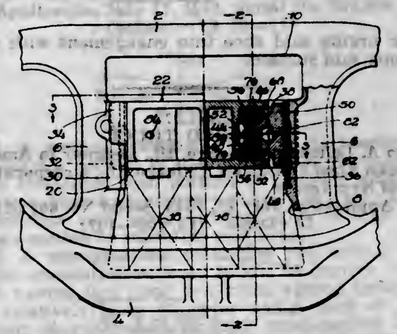
1. The method of making a brake ring from a substantially cylindrical sheet metal hoop comprising the steps of forming in said hoop a plurality of hollow parallel circumferential ribs with the depth of each rib substantially uniform throughout its circumference and with the depths of said ribs decreasing in order from one end of the hoop to the other, thereafter applying axial pressure to said hoop and simultaneously confining the hoop between a predetermined internal diameter and a predetermined external diameter to partially collapse said ribs in order from the deepest to the shallowest rib.

2,485,970

SNUBBED CAR TRUCK

Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 15, 1944, Serial No. 568,232
21 Claims. (Cl. 105—197)



1. In a railway car truck, a truss side frame having tension and compression members and spaced columns defining a bolster opening, springs on said tension member in said opening, a bolster supported on said springs with guide lugs in cooperative engagement with said columns, said bolster having a box-section end portion with pockets in each side thereof and friction means in each pocket, said friction means comprising a friction shoe having a friction surface in frictional engagement with an adjacent column and wedge faces diverging toward the adjacent column, a pair of members in engagement with respective wedge faces, and resilient means compressed between each member and the walls of said pocket and operative to urge said members against said shoe and said shoe into engagement with the adjacent column, said shoe and members being resiliently supported by said resilient means between the walls of said pocket.

2,485,971

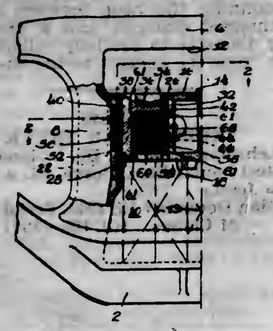
SNUBBED TRUCK

David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application January 31, 1945, Serial No. 575,383
13 Claims. (Cl. 105—197)

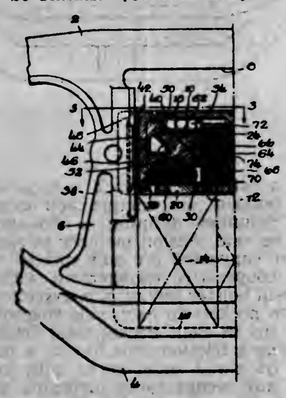
7. In a railway car truck, a side frame having spaced columns, a bolster supported on said frame with pockets adjacent said columns, a wedge surface in each pocket, a friction shoe having angularly arranged walls bearing respectively against said surface and against the adjacent column, and resilient means housed in said bolster and simultaneously exerting forces

substantially perpendicular to each other and operatively associated with each of said walls



for urging said shoe into engagement with and along said surface.

2,485,972
SNUBBED TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 12, 1945, Serial No. 604,624
20 Claims. (Cl. 105—197)



10. In a railway car truck, a side frame comprising spaced columns, a bolster supported from said frame between said columns and having a pocket in each side thereof adjacent each column, spaced copianar inboard and outboard diagonal surfaces in each pocket sloping toward the adjacent column, a friction shoe in each pocket engaging said surfaces, a resilient pad compressed between said shoe and a spaced wall of said bolster urging said shoe along said surfaces, and resilient means compressed between a portion of said shoe extending between said surfaces and a spaced wall of said bolster and urging said shoe outwardly of said bolster.

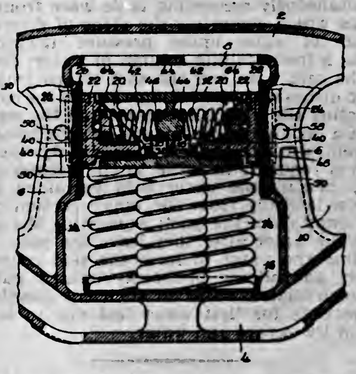
2,485,973
SNUBBED BOLSTER TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 30, 1945, Serial No. 607,766
19 Claims. (Cl. 105—197)

18. In a car truck, a side frame, a bolster resiliently supported on said side frame, a shoe carried in the bolster and fractionally engaging a surface of the side frame, spring means urging said friction shoe against said surface comprising a spring maintaining a constant force on the friction shoe regardless of the weight on the bolster, and a spring maintaining a variable force



on the friction shoe increasing directly with the load on the bolster, the total force between the friction shoe and said surface of the side frame being at all times the sum of the independent forces exerted separately by the constant force spring and the variable force spring.

2,485,974
SNUBBED TRUCK
Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 8, 1945, Serial No. 609,533
11 Claims. (Cl. 105—197)

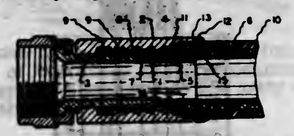


4. In a railway car truck, a side frame comprising a column, a bolster spring-supported from said frame, and friction means comprising a pocket in said bolster, spaced wedge surfaces on said bolster in said pocket, a friction shoe engaging said column and comprising spaced wedge faces engaging respective surfaces, a cavity in said shoe between said faces, a spring seat on said shoe within said cavity, a precompressed horizontal spring reacting between and bearing against the bolster and said seat, and another spring compressed between the bolster and said shoe for urging the faces on the latter against said surfaces.

2,485,975
HOSE END FITTING
Benjamin A. Main, Jr., Jackson, Mich., assignor to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application April 15, 1947, Serial No. 741,600
1 Claim. (Cl. 285—84)

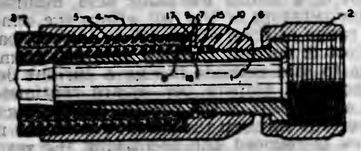
In a fitting for reinforced hose having exterior and interior layers of impervious resilient material separated by a layer of reinforcing material bared for a predetermined distance from the end to be coupled, said fitting comprising a socket of

permanently fixed size having a chamber open at one end and the other end of said chamber comprising a wall having a threaded aperture therethrough, means providing a seal between the fitting and the bared hose comprising a plurality of axially spaced inwardly facing ridges on the socket interior, and a nipple comprising a threaded base engageable with said threaded aperture, a cylindrical extension of said threaded base extending beyond the latter and merging into a gradually tapered wall portion adjoining



said extension and forming an outwardly diverging acute angle with a line through said ridges, and means providing a seal between the end of the unstripped hose, said last mentioned sealing means comprising a smooth walled counter-bore at the corresponding socket end and said counter-bore having a tapered inner end mating with a taper end on the unstripped hose portion, whereby the screwing-on of the nipple tends to draw the said tapered hose end into sealing engagement with the tapered end of said counter-bore.

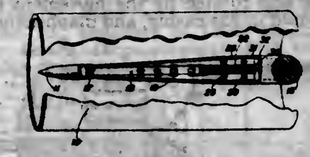
2,485,976
HYDRAULIC CONNECTOR
Donald W. Main, Jackson, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application March 8, 1946, Serial No. 652,906
3 Claims. (Cl. 285—94)



1. In a socket-nipple end fitting for flexible hose, said hose having an end portion clamped between the nipple and socket, an annular cavity defined between said nipple and socket in axially adjacent relationship to the inner end of the clamped hose, port means through the wall of said cavity providing fluid flow communication between its interior and the nipple interior, a first sealing means in said cavity between said port means and said inner end of the hose, and a second sealing means between the socket and the nipple, said sealing means being adapted to be acted upon by the admitted fluid pressure to increase their sealing action.

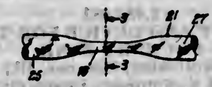
2,485,977
STRESS MEASURING DEVICE
Robert M. Mains, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application March 11, 1946, Serial No. 653,890
7 Claims. (Cl. 73—147)

1. Apparatus for examining the behavior of a test body in a fluid current, comprising a test body supporting rod, a tube surrounding said rod and spaced therefrom, means for supporting said rod at one end within said tube, whereby a test body may be mounted upon the free end of said rod exposed to the on-coming fluid flow, means for rigidly supporting said tube in said fluid current, and electrical means for measuring the



strain of said rod caused by impingement of the fluid current on the test body.

2,485,978
STRETCHING CORUNDUM CRYSTALS
Edward L. McCandless and Donald M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application May 17, 1944, Serial No. 536,058
3 Claims. (Cl. 49—77)



1. A method comprising heating to plasticity at least a portion of a unicrystalline corundum rod; stretching such portion by applying tension thereto, thereby forming a ribbon-like neck; and rendering said neck substantially circular in cross-section by reheating said neck.

3. A unicrystalline corundum rod having an optic orientation between 20 and 60 degrees, said rod having two clear non-milky spaced sections of relatively large diameter and a neck of reduced diameter and circular cross-section between said sections and merging smoothly therewith, said neck having a glossy scratch-free surface and a milky appearance.

2,485,979
BENDING SINGLE CRYSTALS OF CORUNDUM AND SPINEL
Edward L. McCandless and Donald M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application July 24, 1946, Serial No. 685,848
11 Claims. (Cl. 49—84)



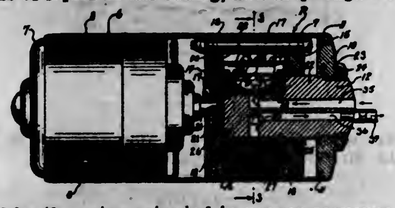
1. A method comprising heating to plasticity at least a portion of a unicrystalline corundum rod and, by applying force thereto, bending such portion substantially in a plane which makes an angle between zero degrees and 45 degrees with the plane defined by the C-axis and longitudinal axis thereof.

5. A unicrystalline corundum rod having a bend, said bend having substantially constant optic orientation between 30 and 75 degrees from one end thereof to the other.

2,485,980
ROTARY PUMP
Ralston H. McClure, Detroit, Mich., assignor of forty per cent to George W. Wright, Milwaukee, Wis.
Application September 3, 1946, Serial No. 694,516
9 Claims. (Cl. 230—79)

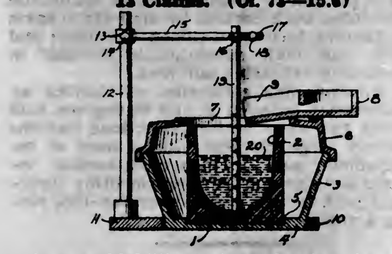
1. In a combined rotary and bellows pump or compressor, a rotatable closed casing parti-

ally filled with liquid material, means for rotating said casing, a rotor eccentrically mounted in the casing and rotated by the movement of the mass of liquid in the casing, and diaphragms car-



ried by the rotor actuated in proper sequence by the movement of the mass of liquid in the casing during the rotation of the casing and rotor for taking in, compressing and forcing out fluid to be pumped.

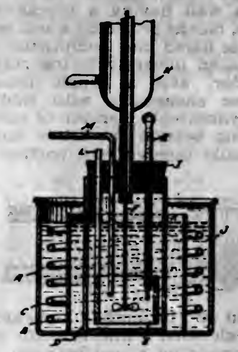
2,485,981
METHOD OF AND DEVICE FOR TESTING FOUNDRY SAND
Robert Louis McIlvaine, Glencoe, Ill., assignor to Herbert S. Simpson, Evanston, Ill.
Application September 30, 1944, Serial No. 556,522
13 Claims. (Cl. 73—15.6)



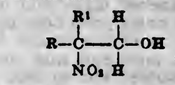
4. A moldability test mechanism for foundry sand and the like, said mechanism comprising a test housing having an opening therein and formed with a centering recess for receiving a recessed test form constructed of the material to be tested and seated in the centering recess, a testing liquid, means for pouring the liquid through the housing opening and into the recessed test form up to a point of collapse of the test form due to the weight and action of the liquid on the material being tested, and means removably insertable into the housing and into the test form to record the height to which the liquid rises in the test form at the time of collapse to indicate by a single reading a comparable measure of moldability of the material being tested.

2,485,982
ELECTROLYTIC PRODUCTION OF AMINOALCOHOLS
Graham W. McMillan, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application March 13, 1944, Serial No. 526,328
2 Claims. (Cl. 204—74)

1. In the electrolytic reduction of aliphatic nitroalcohols to the corresponding amino compounds, using an electrolytic cell containing an inert anode and an inert cathode suspended, respectively, in anode and cathode compartments separated by a semipermeable diaphragm, the process which comprises preparing an aqueous acid solution selected from a class consisting of hydrochloric acid solutions having a concentration ranging from about 1.4 to 10 per cent by weight and sulfuric acid solutions having a concentration ranging from about 9 to 24.4 per cent



by weight, dissolving in said acid solution from about 9.2 to 24.4 per cent of a nitroalcohol having the structural formula:



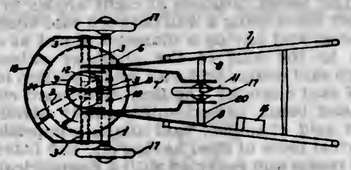
wherein R represents a substituent selected from a class consisting of hydroxymethyl, methyl and ethyl groups and R^1 represents a substituent selected from a class consisting of hydrogen, methyl, ethyl and hydroxymethyl groups, placing the resulting solution in the cathode compartment of said electrolytic cell, placing in the anode compartment of said cell an aqueous acid solution containing from about 10 to 20 per cent by weight of a strong inorganic acid, maintaining the temperature of the cell within the temperature range of from about 50° to 100° C., passing an electric current through said cell from said anode to said cathode having a current density of about 0.2 ampere per square centimeter at least at the start of the process, continuing passing current through the solution until the nitroalcohol is reduced and recovering the resulting aminoalcohol thereby produced.

2,485,983
ALKYLATION OF AMINOTRIAZINES
Daniel Elmer Nagy, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1945, Serial No. 597,370
9 Claims. (Cl. 260—249.5)

1. A method of preparing a member of the group consisting of methyl isomelamine and ethyl isomelamine which comprises heating a mixture consisting of melamine and a member of the group consisting of dimethyl sulfate and diethyl sulfate, and recovering the thus-formed methyl isomelamine.

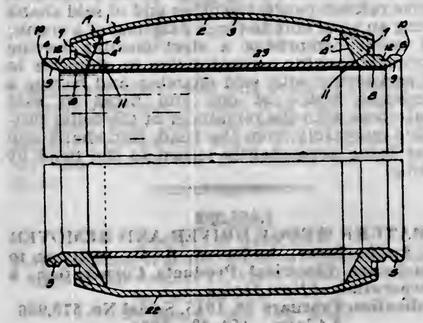
2,485,984
LAWN MOWER
Frederick A. Newman, Birmingham, Ala.
Application August 30, 1945, Serial No. 613,534
1 Claim. (Cl. 56—25.4)

In a power driven lawn mower of the class described comprising; a main frame, a front axle attached to the frame with a wheel on each end of the axle, a rear axle supported in the rear end of the frame, one wheel mounted in the center of the rear axle, a pair of curved looped handles positioned for manual pushing of the mower, the handles continued into the main frame and forming loops therein and extending rearwardly to the rear axle with the one wheel thereon; an



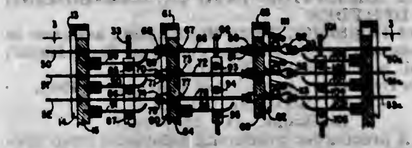
electric motor mounted forward of the front axle, the shaft of the motor being perpendicular, a double edge blade attached to the lower end of the motor shaft.

2,485,985
DRUM STRUCTURE
Bernard A. Perry, House Springs, Mo.
Application July 31, 1945, Serial No. 608,032
9 Claims. (Cl. 84—411)



1. In a drum or similar musical instrument structure, a body comprising a tubular member having a circumferential surface which is curved outwardly relative to the axis thereof, a midsectional portion of the body having its inner wall surface curved to correspond to the circumferential surface of the body, internal ribs having outer end faces in opposite ends of the body, tubular flanges projecting from the ribs beyond the ends of the lateral surface of the tubular member and having an outside diameter less than the minimum inside diameter of the midsectional portion of the body, the tubular flanges each having a circumferential groove intermediate their ends thereof, the outer faces of the ribs adjacent the inner ends of circumferential grooved surfaces of the tubular flanges each having an annular recess one wall of which is flush with the circumferential surface of its respective tubular flange, an anchor ring mounted in each rib recess, drum-heads stretched over the outer ends of the tubular flanges with end portions thereof bent to contact the circumferential surfaces of the tubular flanges, the end portions of the bent over portions of the drum-heads being wrapped around the anchor rings, split bands encircling the tubular flanges and the bent over end portions of the drum-head material, internal ribs on the split bands opposite the grooves in the circumferential surfaces of the tubular flanges, and means carried by the bands to more or less contract the bands to cause the band ribs to exert uniform pressure to the bent over end portions of the drum-head material adjacent the circumferential flange grooves to impart the desired tension to the drum-heads.

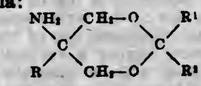
2,485,986
AUTOMATIC TELEPHONE SYSTEM
Alexander C. Reid and James M. Blackhall, Genoa, Ill., assignors to Leich Electric Company, Genoa, Ill., a corporation of Illinois
Application June 11, 1945, Serial No. 598,694
5 Claims. (Cl. 179—22)



1. In a telephone system of the crossbar type, switching apparatus comprising a terminal device, a plurality of sets of connector means carried by said terminal device, conductors representing an incoming line terminating in each set of connector means, a plurality of switching units each having access to an outgoing line arranged on either side of said terminal device, and a plurality of sets of conductor bars individual to each group of switching units, said sets of conductor bars extending through all the switching units of the associated group into removable connection with corresponding sets of connector means in said terminal devices, whereby each set of conductors representing a line may be connected with a trunk line through the medium of any one of said switching units in either group independently of the switching units in the other group.

2,485,987
AMINODIOXANES AS INSECTICIDES
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 19, 1944, Serial No. 523,089
4 Claims. (Cl. 167—33)

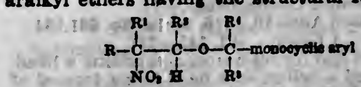
1. An insecticidal composition comprising an inert carrier liquid and, as an essential active ingredient, from about 4 to 7 per cent by weight of a 5-amino-1,3-dioxane having the following structural formula:



in which R represents an alkyl group of from 1 to 2 carbon atoms, R^1 represents substituents selected from the group consisting of hydrogen and methyl, and R^2 represents a substituent selected from the class consisting of hydrogen, an alkyl group having in excess of 2 carbon atoms, and an alkenyl group.

2,485,988
β-NITROALKYL ARALKYL ETHERS AND PROCESS FOR PREPARING THEM
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 25, 1946, Serial No. 650,136
9 Claims. (Cl. 260—611)

1. As new compositions of matter, β-nitroalkyl aralkyl ethers having the structural formula:



wherein R, R^1, and R^2 are selected from the group consisting of hydrogen and lower alkyl

radicals, and R^3 and R^4 are selected from the group consisting of hydrogen and monocyclic aryl.

2,485,989

PROCESS FOR CONVERTING LOWER-BOILING ALDEHYDES INTO HIGHER-BOILING ALDEHYDES

Everet Fey Smith, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 9, 1946, Serial No. 646,721
15 Claims. (Cl. 260—601)

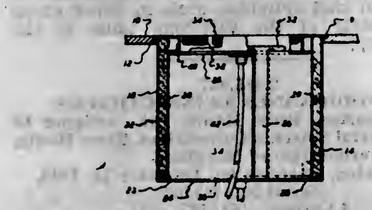
1. A process for producing aldehydes from lower-boiling saturated aliphatic aldehydes having not less than two carbon atoms per molecule which comprises heating the lower-boiling aldehydes with hydrogen in the presence of an alkaline condensation catalyst and a hydrogenation catalyst comprising palladium.

2,485,990

DEEP WELL COOKER FOR ELECTRIC STOVES HAVING ELEVATABLE HEATING ELEMENT

Kilbourn H. Snow, Concord, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio

Application July 3, 1944, Serial No. 543,284
1 Claim. (Cl. 219—37)



A combination deep well cooker and electric stove construction comprising, a walled deep well structure open at its top, an electric burner element movable within the deep well adjustable to lower and upper positions of use in the bottom of the well and the top of the well respectively and removable through the open top of the well, said deep well structure having a vertical guide slot and being provided with a laterally extending cross slot below the top of wall of the well structure and substantially at the upper position of the burner element whereby the vertical and cross slots present a substantially T-shaped formation at the upper end, a supporting lug on the burner received and movable within the slots, a vertical branch at one end of the cross slot opening at the top of the well for passage of the lug to allow removal of the burner, a depression portion at the other end of the cross slot to receive and retain the lug when the burner is supported in its upper position, and means supporting said burner in its lower position.

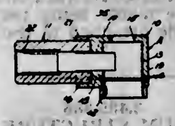
2,485,991

RATCHET END FOR BRACE BITS

Austin L. Stowell, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application April 10, 1946, Serial No. 661,104
1 Claim. (Cl. 145—72)

A ratchet end for bit braces comprising a head, a shank and a collar, said head being formed of steel bar stock and having adjacent one end a transverse chamber with a counterbore at one end of the chamber and an axial opening at the other end of the chamber so as to accommodate a chuck spindle, said head having in its other end a circular recess disposed at right angles to said chamber there being a wall between said chamber and recess and having a diametrical slot at right angles to the axis of the chamber extending through said recess, said wall, and a portion of the wall of said chamber, the first-mentioned end of said head being curved substantially about the axis of said chamber; said shank comprising a cylindrical piece of steel having one end fitted into said recess and provided with a diametrical slot



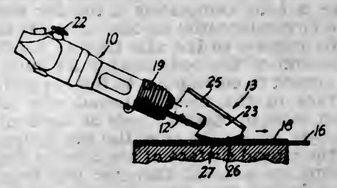
registering with said first-mentioned slot and forming a continuation thereof so as to provide an elongated opening closed at each end adapted to receive ratchet pawls, the other end of said shank having an axial bore to receive the end of a crank; said collar comprising a steel bushing having a through opening corresponding in diameter to and registering with said chamber and having a cylindrical flange at one end fitted in said counterbore with the remainder of the collar projecting outwardly from the head, said shank and collar being permanently joined to the head by brazing.

2,485,992

ARMATURE WEDGE DRIVER AND REMOVER

Joel Leslie Terry, Anderson, S. C., assignor to Buchanan Electrical Products Corporation, a corporation of New Jersey

Application February 27, 1945, Serial No. 579,926
1 Claim. (Cl. 29—203)



A tool for removing an insulating wedge from a slot in a rotor or armature said tool comprising a rigid blade having an arcuate edge provided with saw tooth serrations, and a rigid shank integrally joined to said blade, one end of said shank terminating adjacent said edge, said shank having a diameter greater than the thickness of said blade and a longitudinal straight line axis angularly disposed in relation to the chord corresponding to said arcuate edge.

2,485,993

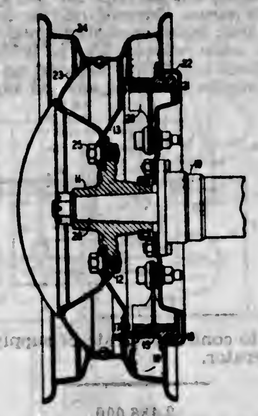
BRAKE DRUM

Andrew S. Van Halteren, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan

Application April 12, 1946, Serial No. 661,757
4 Claims. (Cl. 188—218)

1. A brake drum for use with brake shoes of the internal expanding type having partial cylindrical outer braking surfaces comprising a braking ring having an anchored edge and a free edge

and provided with an internal braking surface between said edges which is adapted to be frictionally engaged by the cylindrical braking surfaces of said shoes, and a supporting web fixedly connected to said anchored edge, the internal



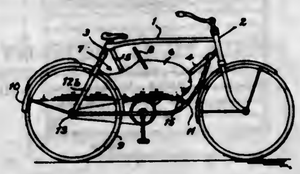
braking surface of said ring being of such smaller internal diameter at said free edge than at the anchored edge that the brake drum tends to assume a cylindrical shape after repeated heating and cooling due to braking use with said shoes.

2,485,994

BICYCLE SIDECAR

John Rolland Warner, Windsor, Ontario, Canada

Application August 12, 1946, Serial No. 689,905
In Canada June 1, 1946
3 Claims. (Cl. 280—203)



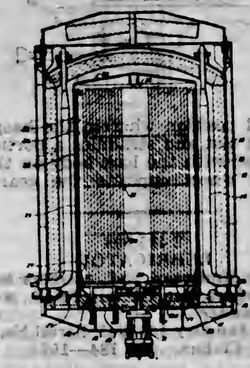
1. A side car adapted to be used in conjunction with a bicycle comprising a substantially U-shaped supporting brace member attached at one of its ends to the front portion of the structure of the bicycle and at the other of its ends to the rear portion of the structure of the bicycle and having a region between its ends of bifurcated construction, a wheel attached to the supporting brace member at the region of bifurcated construction, a reinforcing brace member attached to the supporting brace member at the region of bifurcated construction and attached to the structure of the bicycle, the reinforcing brace member being further attached to the supporting brace member at a point on the supporting brace member between the region of bifurcated construction and the point of attachment to the rear portion of the structure of the bicycle, a body member adapted to be carried by the supporting brace member and the reinforcing brace member and yieldable connecting means connecting the body member to the supporting brace member and the body member to the reinforcing brace member.

2,485,995

INNER COVER FOR HOOD-TYPE FURNACES

Harry H. Armstrong, Cleveland, Ohio, assignor, by mesne assignments, to Lee Wilson, Rocky River, Ohio

Application November 22, 1946, Serial No. 711,784
3 Claims. (Cl. 263—43)



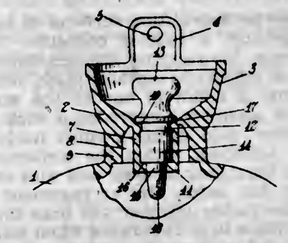
3. An inner cover for use within a hood-type furnace comprising a side wall, a top, a baffle wall spaced inwardly of said side wall and terminating short of the top and bottom of said side wall, said baffle wall fitting loosely within the inner cover, and ribs spaced circumferentially of the inner surface of the side wall for maintaining the baffle wall generally concentric with the cover.

2,485,996

CLOSURE MEANS FOR RUBBER HOT-WATER BOTTLES OR BAGS

David Atkin, London, England

Application March 21, 1946, Serial No. 656,108
In Great Britain December 21, 1945
2 Claims. (Cl. 150—8)



1. A hot water container made of resilient material and having a restricted neck portion, a resilient stopper for closing the neck portion, said neck portion being formed with a re-entrant tubular element provided with a shouldered opening into the container at its bottom end and with an inwardly directed annular rib at its upper end, said stopper having an elongated cylindrical portion and a shouldered bottom extension for closing the opening in the tubular element, and with an annular groove at its upper end, for frictional engagement and co-operation with the annular rib of the tubular element.

2,485,997

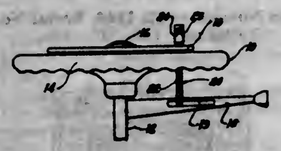
AUTOMOBILE LOCK

Daniel P. Balais, Chicago, Ill.

Application November 4, 1948, Serial No. 58,338
2 Claims. (Cl. 70—212)

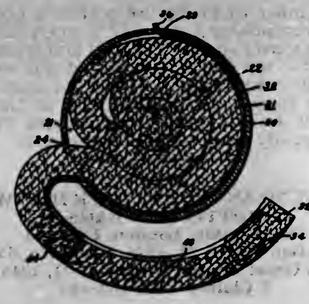
1. In an automobile or the like having a steering wheel and a gear shifting lever in adjacent

relationship, and said gear shifting lever having a slot therein, the combination therewith of a padlock having a lock body and a hasp, said hasp being of a size and shape such that the padlock



has a locked position wherein the hasp extends through said slot and straddles a portion of the steering wheel with the lock body on the side of the steering wheel opposite the gear shifting lever.

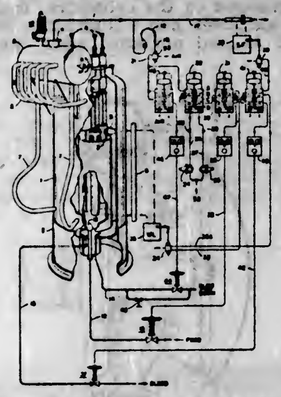
2,485,998
LUBRICATOR
Max G. Bales, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 15, 1945, Serial No. 572,779
6 Claims. (Cl. 184—102)



1. A device for lubricating surfaces of movable parts comprising, a tubular container having means thereon for securing the container in a fixed relation relative to movable parts, said container having a notch in one of the walls; a unitary wick assembly comprising a wick and a spring member, said spring member having one of its ends anchored within the container and having both the spring member and wick extending through the notch, the arrangement being such that the spring member will urge the wick against a surface to be lubricated when said container is secured; and means carried by the spring outside the container for securing the wick and spring together.

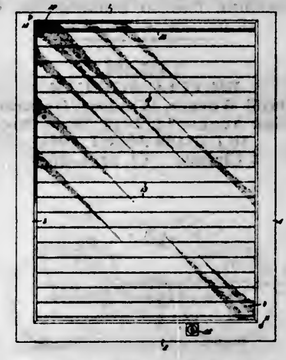
2,485,999
CONTROL SYSTEM FOR ELECTRIC-STEAM GENERATORS
Charles F. Birchler, East Cleveland, and Harry E. Weaver, South Euclid, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application March 4, 1947, Serial No. 732,182
38 Claims. (Cl. 219—40)

1. The method of operating a steam generator of the type wherein electric energy is dissipated in the water of the generator for vaporizing the water, which includes, continuously establishing a control effect representative of the pressure of the vapor generated, continuously establishing a control effect representative of the level of water within the generator and consequently of the area of the liquid path to be traversed by the electric current, and utilizing the two control effects



conjointly to control the rate of supply of water to the generator.

2,486,000
WINDOW AND BLIND CONSTRUCTION
Kenneth W. Browning, Murray, Utah
Application December 4, 1944, Serial No. 566,471
11 Claims. (Cl. 160—188)

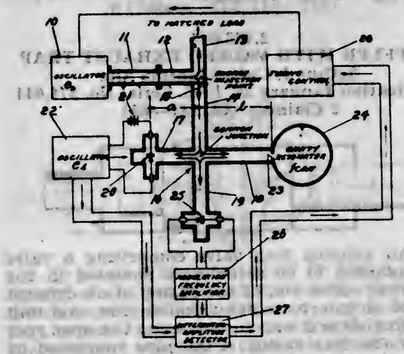


1. In a blind of louver type, a louver member capable of angular adjustment upon its longitudinal axis, and pivot means connected with the ends of the louver member, at least one of said pivot means being a spiral spring having one of its ends connected to the end of the louver member and its other end connected to a fixed part, said spring constituting the sole pivot means for its respective end of the louver member and being capable of exerting tension on said louver member longitudinally thereof.

2,486,001
FREQUENCY-STABILIZING SYSTEM
George G. Bruck, East Orange, N. J., and Philip E. Volz, Auburndale, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 12, 1946, Serial No. 647,008
11 Claims. (Cl. 250—36)

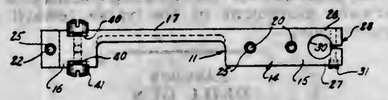
1. Apparatus for stabilizing the frequency of a carrier wave comprising: means for amplitude modulating a portion of said carrier wave; means for shifting the phase of another portion of said

carrier wave through such an angle that, upon combination of said amplitude-modulated and phase-shifted portions thereof, a wave having a selected amplitude characteristic results; means, responsive to any drift in the frequency of said carrier wave, for altering the phase of said phase-shifted portion thereof; means for combining said amplitude-modulated and phase-shifted portions of said carrier wave whereby, in the event no frequency drift has occurred, the resultant wave has the aforesaid selected ampli-



tude characteristic, and, in the event a frequency drift has occurred, the resultant wave has a substantially different amplitude characteristic; means for deriving from said last-named resultant wave a wave having an amplitude characteristic which is a function of the difference between the amplitude-characteristics of both said resultant waves; and means, receptive of said difference-characteristics wave, for so tuning the source of said carrier wave as to compensate for said frequency drift.

2,486,002
TELESCOPE SIGHT MOUNT
Maynard P. Buehler, Oakland, Calif.
Application October 21, 1947, Serial No. 781,089
1 Claim. (Cl. 33—50)



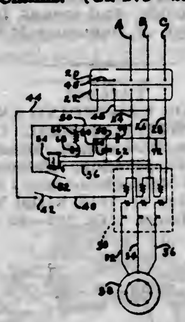
In a swiveling telescope sight mount comprising a base adapted to be secured upon the forward portion of a gun, and a front ring supported upon the base in a position to encircle the telescope and cooperate with another ring supported upon a rearward portion of the gun and encircling a rearward portion of said telescope, the features which include a pair of clamping arms having a circular opening therebetween, a clamping bolt extending through the clamping arms and across a segment of the circular opening therebetween, a depending boss upon the lower portion of the front ring, the latter being vertically split through the bottom thereof and through the depending boss, the latter having a peripheral groove intermediate the ends thereof for receiving the intermediate portion of said clamping bolt and allowing rotary adjustment of said front ring, a set screw in said groove interconnecting the two split portions of said depending boss within said circular opening, and a flat portion on said boss for clearing said bolt when inserting the boss into said opening.

2,486,003
AUTOMOBILE HOOD LOCK
Delbert Christensen, Brainerd, Minn.
Application March 18, 1947, Serial No. 735,304
1 Claim. (Cl. 292—59)



An automobile hood lock comprising a fixed plate having a sleeve depending therefrom; a shaft rotatably secured in said sleeve and extending through said plate and provided on the upper end thereof with a locking head; an arm extending outwardly from said shaft through an opening in said sleeve; a tension member connected to the outer end of said arm to enable manual rotation of said shaft; a tension spring connected to said arm resiliently resisting manual rotation of said shaft; a hood carried plate apertured to receive the upper end portion of said shaft; a cup secured on the upper surface of said hood carried plate and arranged to admit the upper end of said shaft; a pair of locking dogs in said cup engageable with the locking head; and a compression spring surrounding said shaft between said plates and urging said hood upwardly.

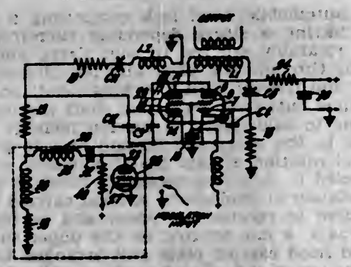
2,486,004
PHASE REVERSAL PROTECTOR
Harry F. Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1945, Serial No. 624,171
2 Claims. (Cl. 175—294)



1. A control system including apparatus capable of being properly operated by power derived from a polyphase electric current source of a certain phase sequence, an electrically operated switch means for controlling the polyphase energization of said apparatus, a polyphase electrical conducting system connected to said switch means, a single coil relay electrically connected to one of the conductors of the polyphase system and operatively connected to said switch means for operating said switch means to closed position upon said certain phase sequence and to open

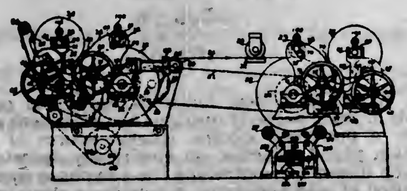
position on the reverse sequence, a first capacitor means connected in shunt circuit arrangement with said single coil relay, a second capacitor means connected to another conductor of the polyphase system, a resistance connected to a third conductor of said polyphase system, said single coil relay and said second capacitor means and said resistance being star connected together, said resistance and the entire circuit portion of which it forms a part from the star connection to the conductor of the polyphase system having no more than a negligible amount of inductive reactance.

2,486,005
CONTROLLED GENERATOR
Robert W. Clark, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1946, Serial No. 650,373
4 Claims. (Cl. 332—28)



1. A simulated reactance comprising an electron discharge tube having a cathode, an anode-like electrode and a control grid, means for producing a reactive effect between said anode-like electrode and said cathode including a tuned circuit having a plurality of reactances, two of which are capacitive and of about like value in series, one of said capacitive reactances including the reactance between the control grid and cathode of said tube, said tuned circuit having inductive reactance equal in value to and in parallel circuit with the capacitive reactance thereof, a coupling between the tuned circuit and the anode-like electrode, and means for setting up oscillatory energy of frequency F in said tuned circuit.

2,486,006
APPARATUS FOR UNWINDING AND WINDING WEB MATERIAL
Everett W. Clem, Shrewsbury, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application May 31, 1945, Serial No. 596,854
8 Claims. (Cl. 242—65)



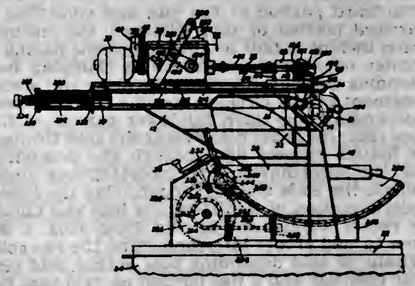
6. Apparatus for unwinding and winding web material comprising unwinding and winding machines having each a power driven drum, means for rotating the drums at the same peripheral rate and controlling the tension on a web moved therebetween, supports for holding two web rolls simultaneously in a radially free peripheral rotating contact with the drum of each machine and which are arranged for transferring a roll from one to another of two circumferential positions in relation to each drum while it is maintained in a freely rotating peripheral contact with the associated rotating drum, and means for rotating a new supply roll of the unwinding machine at substantially full speed prior to its contact with the old web on its associated drum, so that a web may be unwound from a succession of supply rolls and rewound.

2,486,007
MUFFLER WITH VALVED EXHAUST TRAP
Arthur J. Culp, Clanton, Ala.
Application January 26, 1945, Serial No. 574,644
2 Claims. (Cl. 181—64)



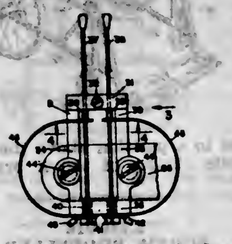
1. An exhaust trap valve comprising a valve unit adapted to be detachably mounted in the open rear outlet end of the casing of an exhaust trap of an internal combustion engine, said unit including an end wall for engaging the open rear end of the trap casing, a tail pipe supported by said end wall and having one end opening therethrough into the unit, an elongated valve housing disposed within the trap casing, longitudinally thereof and spaced from said end wall, said housing having an open forward end and a side wall spaced from the trap casing wall and provided with a communicating port, a valve freely slidable in the housing for closing or exposing the passage of the housing between its open forward end and said port, and the opposite, rear end wall of the housing having a breather port therein whereby a back pressure in the valve unit from the tail pipe will force the valve forward for closing the passage between the port and the open forward end of the housing, said rear end wall of the housing having an inwardly and forwardly extending flange surrounding the breather port and combining therewith to form an air cushion in the rear end of the housing restricting the rearward movement of the valve toward said breather port.

2,486,008
DRILL GUN
Wallace M. Cutler, Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 24, 1946, Serial No. 664,612
9 Claims. (Cl. 35—25)



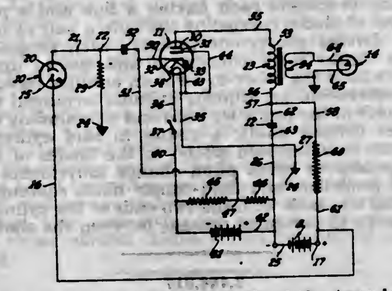
1. A drill gun having a breech simulating member, mechanism for projecting a shell into said gun, recoil means for imparting a recoil simulating movement to said member, and control means operated by the shell during its movement into said gun for actuating said recoil means.

2,486,009
ELECTRIC WEFT DETECTOR
Raymond F. Dion, Leominster, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 4, 1948, Serial No. 63,590
6 Claims. (Cl. 139—273)



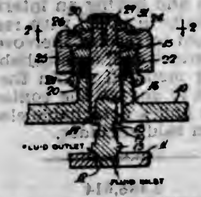
1. In an electric weft detector for looms, a base formed of electric insulating material, an electric detector rod slidable in said base, a wall forming part of said base having vertical and horizontal surfaces, and a leaf spring capable of being either vertically or horizonally disposed relatively to said base and held at one end thereof on the base and having a laterally opening slot near the other end thereof through which the rod extends, the slot being of such length as to contain the rod whether said other end of the leaf spring engages either one or the other of said surfaces of the wall.

2,486,010
FLASH BULB IGNITER
Albert K. Edgerton, Los Angeles, Calif.
Application October 7, 1946, Serial No. 701,849
3 Claims. (Cl. 67—31)



1. An igniter for a flash bulb of the type having an igniting fuse adapted to be melted by the heat of a firing current passed therethrough and containing combustible and combustion supporting materials, which includes: a capacitor; a step-down pulse transformer; means adapted to connect a source of power to said capacitor to charge the latter; a discharge circuit for said capacitor including electronic switching means adapted to connect said capacitor to the primary of said pulse transformer whereby said capacitor may discharge through said primary to produce a current pulse therein; and means for connecting the secondary of said pulse transformer to the fuse of said flash bulb whereby the latter is ignited by a greater current pulse appearing in said secondary as a result of said pulse in said primary.

2,486,011
VALVE
Frank J. Eichelman, Oak Park, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1946, Serial No. 666,096
6 Claims. (Cl. 287—53)



1. In combination a rotatable stem having an axially facing shoulder and a transverse slot extending inwardly from one end approximately to the transverse plane of said shoulder, a handle member having an opening therethrough to receive the end of said stem and abut said shoulder, and said opening having a slot extending radially therefrom, a key member disposed in the aligned slots of said stem and said handle member to prevent relative rotational movement of said handle member and stem, and a cap threaded onto the outer end of said stem, concealing said slots and key member, and holding said handle member against said shoulder.

2,486,012
COMPOSITIONS OF CHLORINATED TERPHENYL AND CELLULOSE ACETATE-BUTYRATE FOR STRIPPABLE COATINGS
Robert Ernst, Los Angeles, Calif.
No Drawing. Application October 5, 1946, Serial No. 701,415
13 Claims. (Cl. 106—190)

1. A composition having a melting point between 150° F. and 450° F. and comprising a chlorinated terpenyl having a melting point between 150° F. and 450° F. and cellulose acetate butyrate having a butyryl value in excess of 38%, the ratio of the cellulose acetate butyrate to the chlorinated terphenyl being within the range of from substantially 6 to substantially ⅓ part of said cellulose acetate butyrate to one part of said chlorinated terphenyl, and a plasticizer.

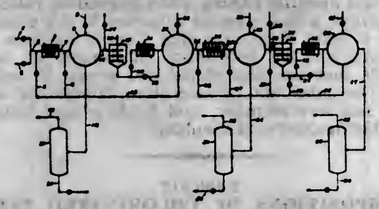
2,486,013
ELECTRICAL CONNECTOR
Francis N. Ervin, Wilmar, Calif.
Application February 7, 1947, Serial No. 727,183
3 Claims. (Cl. 173—343)



1. An electrical connector comprising; a pair of detachable members constituting a plug and a socket, the plug having a dielectric body portion formed with a relatively long, slender, hollow open sided stem projecting axially of the body and terminating in an open cylindrical end portion, a pair of detachable contact members carried by said body, one mounted within said stem and projecting from the open cylindrical end portion thereof and the other extending axially along the outer face of the stem and terminating mid-

way of the stem in a radially disposed contact end lying in a plane normal to the axis of the stem, the socket comprising a body having an inwardly tapering bore adapted to guide the stem towards axial alignment with the plug terminating in an inwardly spaced cylindrical portion of relatively small diameter adapted to receive the cylindrical end of the stem and having an intermedial helical surface radially disposed with respect to the stem axis adapted to receive thereover the radially disposed contact end, a detachable electrical contact member mounted within the cylindrical portion adapted to engage the contact mounted within the stem and a detachable electrical contact mounted on said shoulder.

2,486,014
HYDROCARBON OIL DEWAXING
George H. Evans, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 6, 1945, Serial No. 603,467
4 Claims. (Cl. 196—18)



1. A process for separating a waxy hydrocarbon oil containing high melting and low melting waxes into oil and wax fractions, which comprises commingling said waxy hydrocarbon oil with a solvent having preferential solvent power for the oil, the ratio of solvent to waxy oil being from 1:1 to 6:1, cooling the mixture to a temperature between −30° F. and +10° F. to crystallize both the high melting and low melting waxes, separating from the oil solution the crystallized wax containing entrained solvent and oil, adding solvent to the crystallized wax and comminuting the mixture, the ratio of solvent to wax being from 2:1 to 6:1, separating additional solvent and oil from the comminuted wax at a temperature between −30° F. and +10° F., commingling the wax with additional solvent, the ratio of solvent to wax being from 2:1 to 10:1, increasing the temperature of the mixture sufficiently to dissolve the low melting wax but not the high melting wax, separating the high melting wax from the low melting wax and solvent, adding solvent to the high melting wax, the ratio of solvent to wax being from 2:1 to 10:1, comminuting the mixture, and separating from the comminuted mixture, solvent containing residual oil and low melting wax.

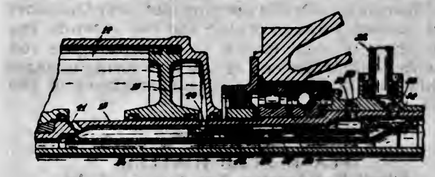
2,486,015
COLLAPSIBLE WHEEL CHAIR
Herbert A. Everest and Harry C. Jennings, Los Angeles, Calif.
Application October 1, 1945, Serial No. 619,496
6 Claims. (Cl. 155—140)

1. A collapsible chair having normally spaced side frames, on which there are arm rests, means vertically slidable on the side frames adapted to be extended above the arm rests, an X brace construction of pivoted cross members between the side frames pivotally connected thereto at its lower ends and pivotally connected to said means at its upper ends whereby on collapse of the chair said means may slide upwardly on the



side frames to a position above the arm rests to accommodate closing of the X brace construction.

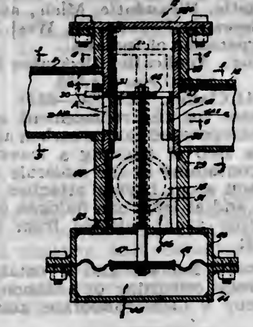
2,486,016
SCREW PROPELLER
Leonard Gaskell Fairhurst, Gloucester, England, assignor to Rotol Limited, Gloucester, England, a British company
Application August 18, 1944, Serial No. 550,051
In Great Britain November 13, 1942
2 Claims. (Cl. 170—135.27)



1. A hydraulically-operated variable-pitch propeller installation comprising a pair of contra-rotating propellers each having a hub and a plurality of blades carried by the hub, a pair of hollow driving shafts one to carry each propeller, said shafts being concentric and spaced apart one within the other to form an annular passage therebetween, an annular cylinder arranged exteriorly of the propeller hubs and surrounding the outer driving shaft, a piston in said cylinder, means coupling said piston to the blades of the propellers to effect pitch-change movements of said propellers and fluid-supply ducts communicating one each with the two ends of the cylinder through the annular passage between the shafts.

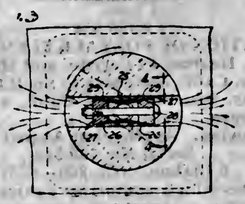
2,486,017
GAS MIXER
Ernst A. Furkert, Chicago, Ill.
Application October 18, 1946, Serial No. 703,927
9 Claims. (Cl. 48—184)

6. In a gas-mixing machine, an air-gas proportioning member providing a chamber with inlets for air and gas, a pair of cylindrical sleeves in said chamber one being adjustable angularly relative to the other, said sleeves being coaxially arranged and having longitudinally extending semi-cylindrical portions cooperating to provide air and gas ports therebetween in registration respectively with said air and gas inlets, means for effecting angular adjustment of said adjustable sleeve for enlarging the area of one of the ports and reducing equally the area of the other to accommodate the flow of air and gas therethrough in selected ratios, and a reciprocable valve in said sleeves operable to positions for con-



trolling the rate of flow of air and gas through the respective ports at said selected ratios.

2,486,018
FLUID FUEL BURNER HAVING LATERALLY DIRECTED FLAME PORTS
Ernst A. Furkert, Chicago, Ill.
Application May 3, 1947, Serial No. 745,879
4 Claims. (Cl. 158—7)



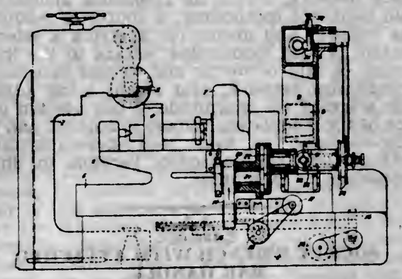
1. A gaseous fuel burner comprising a tubular fuel delivery member, a transversely arranged tubular head secured intermediate the ends thereof to the outlet end of said member for receiving fuel therefrom, the inner end portions of said head being outwardly flaring, frusto-conical shaped plugs each positioned within one end of said head, a plurality of annularly spaced strips within the head between the inner wall thereof and the exterior wall of the plugs for spacing said walls apart to provide gas ports at the ends of the head, and means securing said plugs in wedging contact with said strips for retaining the plugs and strips against displacement relative to the head.

2,486,019
JET CONTROL APPARATUS APPLICABLE TO ENTRAINMENT OF FLUIDS
Robert H. Goddard, Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application January 11, 1943, Serial No. 472,017
10 Claims. (Cl. 230—95)

9. In a jet control apparatus applicable to entrainment of fluids, a gas discharge nozzle, and gas-diverting means associated with said nozzle and projecting into the gas stream to divert portions thereof along divergent paths, said gas-diverting means having a multiplicity of substantially circumferential gas-engaging surfaces which are increasingly spaced radially from the axis of said nozzle in the direction of gas flow, and means for the entrainment of fluids positioned adjacent to the outer end of the nozzle with reference to the flow of gases.

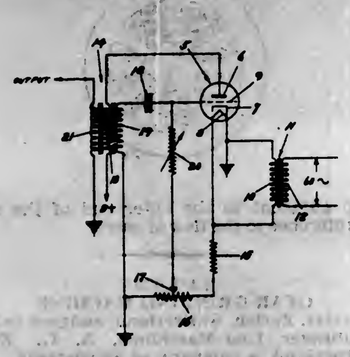


2,486,020
GEAR GRINDING MACHINE
Willi Graf, Zurich, Switzerland, assignor to Maag Zahnrader Und-Maschinen, A. G., Zurich, Switzerland, a company of Switzerland
Application January 5, 1949, Serial No. 69,273
In Great Britain January 13, 1948
17 Claims. (Cl. 51—123)



1. In a gear grinding machine, the combination with stationarily mounted rotary grinding tool means, rotary work supporting means, and a rotary body having an at least partly cylindrical circumference and coupled to said work supporting means for causing rotation thereof, of a frame, tape holder means movably mounted on said frame, flexible tapes connected under tension between said tape holder means and the circumference of said body, a slide carrying said work supporting means and said body and mounted for movement relatively to said grinding tool means and said frame in a direction transversely to the axis of said body, driving means for reciprocating said slide in said direction and rolling said body along said tapes to cause the work to roll across said grinding tool means with true involute generating motion in the absence of relative movement between said tape holder means and said frame, cam means mounted on said frame, coupling means operatively associated with said driving means and said cam means for driving the latter, and transmission means operatively associated with said cam means and said tape holder means for causing periodic movement of the latter relatively to said frame to accelerate the rolling motion of said body along said tapes and cause the rolling motion of the work across said grinding tool means to deviate from the true involute generating motion.

2,486,021
OSCILLATOR
Thomas A. O. Gross, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 26, 1945, Serial No. 580,213
5 Claims. (Cl. 250—36)



1. In combination with a relaxation oscillator whose repetition frequency is an inverse function of the time-constant of a resistance-capacitance network, means for frequency modulating said oscillator comprising: a source of modulating voltage; and means for applying a selected portion of said modulating voltage to the input circuit of said oscillator and to said resistance-capacitance network; said means being adjustable whereby the magnitude of the selected portion of the modulating voltage so applied, and the time-constant of said resistance-capacitance network are simultaneously variable in direct proportion to each other.

2,486,022
SOCKET WRENCH WITH ATTACHED BAR HANDLE
Wade Edward Haist, Aurora, and Dale Edward Haist, Fairview, Ill.
Application November 17, 1947, Serial No. 786,472
3 Claims. (Cl. 81—121)



1. A tool of the character described, comprising a bar having a long part to be gripped in the hands, a short obliquely directed portion at one end of the long part and a terminal portion shorter than the bar and longer than the obliquely directed portion, forming a continuation of the obliquely directed portion and extending back across the longitudinal axis of the said long part, and a socket wrench secured to the said terminal portion upon one side thereof.

2,486,023
NITRO GROUP REPLACEMENT PROCESS
Henry B. Hass, West Lafayette, Ind., and Leslie Allen Gillette, Wyandotte, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application December 21, 1945, Serial No. 636,568
11 Claims. (Cl. 260—652)

1. A process for the replacement of a nitro group on a halogenated acyclic carbon atom which includes the step of reacting a lower-aliphatic compound containing in the molecule a primary acyclic carbon atom having attached thereto a nitro group and at least one halogen atom, with a halogenating agent selected from the group consisting of:

(a) hydrogen fluoride and a catalyst taken from the group consisting of antimony V chloride, antimony V dichlorofluoride, and mercury II oxide;
(b) antimony pentafluoride; and
(c) antimony pentachloride,

said reaction being conducted at a temperature below about 150 degrees centigrade, and separating from the reaction product a compound, containing the same number of carbon atoms as the starting compound, wherein the nitro group has been replaced by halogen and the said acyclic carbon atom has attached thereto at least two halogen atoms.

2,486,024
PREPARATION OF POLYALKYLENE GLYCOLS
George W. Hearne, El Cerrito, and Harry L. Yale, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 19, 1947, Serial No. 769,544
6 Claims. (Cl. 260—615)

6. Process which comprises subjecting a compound having a structure corresponding to the formula



in which each R represents a member of the class consisting of the hydrogen atom and alkyl radicals and n represents an integral number greater than 1 and less than 4, at a temperature between about 150° C. and about 400° C. to the action of hydrogen gas under a pressure of from about 1500 pounds per square inch to about 10,000 pounds per square inch in the presence of a base metal hydrogenation catalyst to produce a product having a structure corresponding to the formula

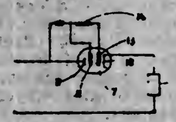


in which R and n have their above significance.

2,486,025
RECTIFIER TUBE AND CIRCUIT
Robert C. Hilliard, Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 12, 1945, Serial No. 615,898
1 Claim. (Cl. 315—261)

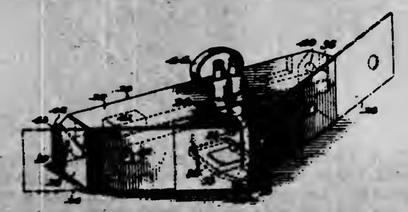
A rectifier circuit comprising: terminals for a source of alternating current; a tube having a gas filling, an anode connected to a terminal of said source, a high work function grid around said anode and connected thereto by a resistor

to prevent a discharge to said anode when said anode is negative, a cathode connected to the other terminal of said source, a low work function grid near said cathode and between said cathode and said high work function grid and connected to said high work function grid



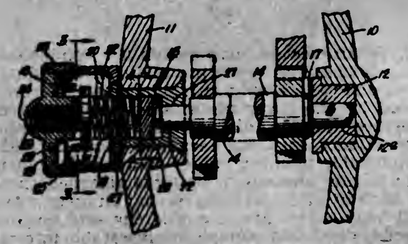
through a resistor to permit a limited current to said cathode when said cathode is positive and to aid in starting the discharge when said cathode is negative, and connections for a load in a series circuit that includes the anode and cathode of said tube and the alternating current terminals of said source.

2,486,026
EXAMINATION BOX
John M. Hills, Midland, Tex.
Application July 15, 1946, Serial No. 684,063
2 Claims. (Cl. 250—78)



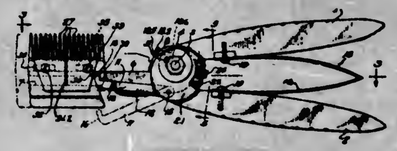
2. A device for viewing well-cutting samples, comprising a box having top, bottom, side and end portions, slidable doors forming two adjacent sides to the box movable between open and closed positions and having abutting edges when in closed position, the doors being cut away above and below the abutting edges to form upper and lower slots, a microscope having a support and a base fitting respectively into said upper and lower slots in the doors when the doors are in closed position, a viewing lens for the microscope directed towards the bottom of the box, and a source of light mounted in said box for illuminating samples placed on the bottom of the box beneath the lens of the microscope.

2,486,027
FISHING REEL
Stephen G. Hirsch, Philadelphia, Pa., assignor to Ocean City Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 9, 1946, Serial No. 702,272
3 Claims. (Cl. 244—84.5)



1. In a fishing reel, spaced end plates, fixed bearings carried by said end plates, a line spool having a shaft mounted in said bearings, said shaft having engagement with one of said bearings limiting axial movement of the shaft in one direction, a cap rotatably mounted on the outer end of the other of said bearings and held against axial movement with relation thereto, a stud held against rotation with relation to the bearing and having threaded engagement with the cap, a thrust element guided by the bearing and abutting the adjacent end of the shaft and a spring between said stud and thrust element.

2,486,028
TONSORIAL DEVICE
Neil Holsclaw, Chicago, Ill., assignor of one-half to Fred E. Sudlow, Rock Island, Ill.
Application March 30, 1946, Serial No. 658,551
9 Claims. (Cl. 30—213)

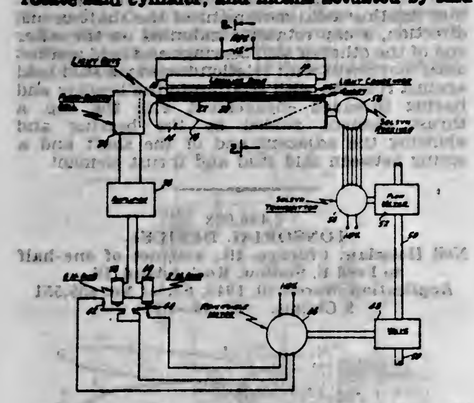


1. In a device of the class described comprising a pair of reciprocating cutter members each having elongated teeth incorporated therein, a pair of handles having offset portions at their forward ends, said handles being pivotally connected together on a common axis, said pivot lying in a plane offset from the longitudinal center line of said cutter members, gears on said handles, a stationary guide bar having offset base, said base being secured between said offset portions of said handles by said handle pivot, a pinion on the base operatively connected to said handle gears whereby to positively cause said handles to move equally in opposite directions simultaneously, a pair of link arms one on each side of said guide bar, the rear ends of each of said link arms being pivotally connected one to each of said handle offset portions, said cutter members being positioned one on each side of the forward end of said guide bar in face to face relationship and removably connected one to each of said link arms, whereby said cutter members may be readily removed from guide bar and link arms, and resilient tensioning means for securing said cutter members in assembled operative relationship, whereby when said handles are manipulated each of said cutter members will be reciprocated simultaneously in opposite directions.

2,486,029
ELECTRIC MOTOR FOLLOW-UP APPARATUS
Knute Arnold Holst, Astoria, N. Y., assignor to Pitometer Log Corporation, New York, N. Y., a corporation of New York
Application December 10, 1946, Serial No. 715,219
5 Claims. (Cl. 318—31)

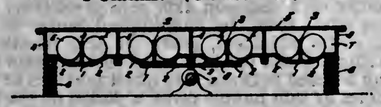
1. In a device of the class described, a cylinder capable of transmitting light having a cylindrical surface opaque except for a transparent spiral line, a source of light disposed to project an axially extending line of light onto the surface of said cylinder which intersects said transparent line, a light responsive cell arranged to receive light conducted through said cylinder from the area of said intersection, a member interposed between said source and said cylinder to vary the light transmitting portion of said area for increasing or decreasing the intensity of light supplied to said cell, means mounting said cylin-

der for rotation, driving means connected to rotate said cylinder, and means actuated by said



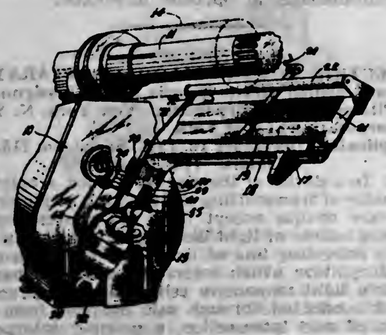
cell to cause said driving means to rotate said cylinder in a direction to restore said portion to its original value.

2,486,030
TURNING DEVICE
Delwin V. James, Houston, Tex.
Application December 21, 1943, Serial No. 515,185
4 Claims. (Cl. 259—72)



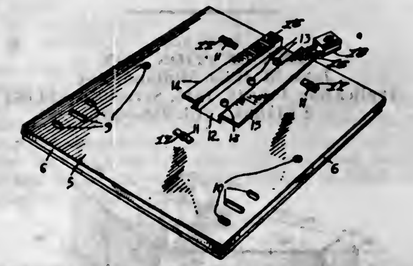
1. Device for rotating round objects each on its own axis, comprising a supporting frame having a vertical wall and an opposed nonvertical supporting surface between which the round object can be supported in substantially fixed situs with its center of gravity intermediate the points of support, with means for vibrating the frame vertically.

2,486,031
WINDING MACHINE
Charles D. Jencks, Bristol, R. I., assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I., a partnership
Application October 19, 1946, Serial No. 704,400
7 Claims. (Cl. 242—18)



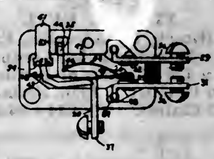
1. In a winding machine having a rotatable package support and a thread guide, means supporting said thread guide, said supporting means and said package support being relatively movable into separated position, means for locking said supporting means and package support against relative separating movement, means for contacting the package adapted to be operated thereby as the package grows in size, and linkage element means having its ends connected to said contacting means and said locking means respectively whereby upon operation of said contacting means movement thereof effects movement of said linkage means which in turn operates said locking means to render the same ineffective to permit separation of said supporting means and said package support.

2,486,032
SILENT TYPEWRITER BASE
Joseph J. Jimenez, New York, N. Y.
Application May 26, 1945, Serial No. 596,627
4 Claims. (Cl. 248—22)



1. A silencing typewriter base, comprising a metal plate having an intermediate transverse open slot therein, a sound cushioning pad nested in the bottom side of the plate, and a substantially straight unitary holder attachable to a typewriter desk and provided with parallel external flanges adapted to overlap the sides of the slot in the metal plate when said holder is inserted in the slot of said plate, whereby the metal plate and a typewriter secured thereto may be horizontally adjusted longitudinally of said holder on a desk or entirely disconnected therefrom.

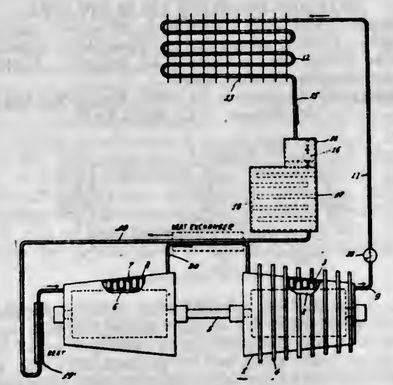
2,486,033
SNAP ACTING DEVICE
Oscar H. Kaminky, Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application February 6, 1946, Serial No. 645,876
13 Claims. (Cl. 200—67)



1. In an electric snap switch the combination of: a housing of insulating material including a cover plate and a body with an open side normally closed by the cover plate; said housing having apertures therein adjacent the body-cover interface fittedly engaging terminal members and a reciprocable plunger, two of said terminal members having stationary contacts attached thereto; each of said apertures having an open side at said body-cover interface whereby said terminal members and said plunger are insertable into said housing through said housing open side; said two terminal members being secured in said housing

by transversely extending lugs on said terminal members engaging recesses formed in said cover plate and in said body portion; an actuating member pivotally engaging a third of said terminal members and movable by said plunger; a spring member made of a resilient metallic strip having spaced side portions comprising elongated tension elements and having end portions connecting said tension elements, one of said spring member end portions having an inwardly extending compression element, said spring member being so fitted within said housing and its parts so proportioned and so dimensioned that its compression element is pivotally compressed upon said third terminal member and the spring member end portion opposed to said compression element is pivotally engaged with said actuator member in such a manner as to stress said tension elements in tension whereby, when said plunger is depressed, said actuating member will move said tension elements to move said spring member to carry said movable contact from one of said stationary contacts to the other in a snap action manner.

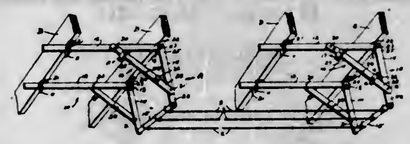
2,486,034
HEAT OPERATED COMPRESSION REFRIGERATION
Abram Katzow, Indianapolis, Ind.
Application June 5, 1945, Serial No. 597,620
9 Claims. (Cl. 62—115)



2. A refrigeration process, comprising the cyclical steps of evaporating a liquid refrigerant to produce refrigeration, heating the evaporated refrigerant, extracting energy from the heated refrigerant, utilizing such energy to then compress the refrigerant, and condensing the refrigerant for re-evaporation, said steps being performed in the order recited.

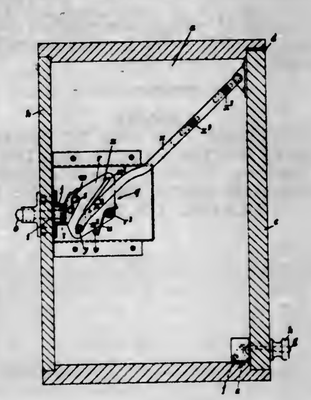
2,486,035
SUPPORT FOR CLOTHESLINES AND THE LIKE
Jacob G. Koester, Detroit, Mich.
Application December 12, 1947, Serial No. 791,261
3 Claims. (Cl. 211—119.10)

1. In a support structure, a pair of supports each including a pair of normally vertically-disposed, parallel arm portions; a pair of substantially horizontally-disposed, parallel arm portions; a pair of cross braces, each comprising two jointed portions; means pivotally connecting the first-named arm portions to the second-named arm portions at the upper ends of the former; article-attaching means comprising a rigid rod extending from one of said first-named arm portions to the other of said first-named arm portions; means pivotally connecting the cross braces to the first-named arm portions; including a pivot provided with a head exteriorly of one of said cross braces; means pivot-



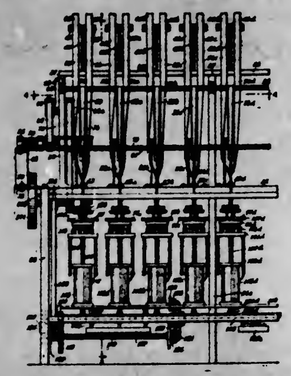
ally connecting the cross braces to the second-named arm portions; means supporting said second-named arm portions; and means cooperating with said head and carried by one of said cross brace portions to retain said first-named arm portions in like portions inclined from the vertical.

2,486,036
FASTENING FOR CUPBOARD, CABINET, OR OTHER LIKE DOORS
Gilbert Whitridge Lacon, Birmingham, England, assignor of one-third to Wilmot-Breeden Limited, Birmingham, England, and one-third to H. Newsum Sons & Company, Limited, Lincoln, England
Application October 25, 1945, Serial No. 624,369
In Great Britain October 26, 1944
2 Claims. (Cl. 292—146)



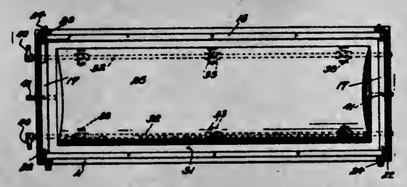
1. A door fastening having in combination with a slidable catch and actuating means therefor, locking means comprising in combination a spring-loaded pivotal member, a stop against which said pivotal member can bear under the action of its spring loading, means for moving said pivotal member away from said stop, and a spring-loaded pawl on said pivotal member for engaging a transverse groove in and thereby locking said catch in its operative position when said pivotal member bears against said stop, said pawl being arranged to be disengaged from said groove for unlocking said catch in response to movement of said pivotal member away from said stop, and to be prevented by contact with one side of said catch from re-engaging said groove and thereby re-locking said catch until the latter has been first moved by its actuating means clear of said pawl.

2,486,037
TWISTED PAPER THREAD AND METHOD OF AND APPARATUS FOR TWISTING THE SAME
Ernest E. Lambert, Springfield, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y., a corporation of New York
Application November 16, 1946, Serial No. 710,302
19 Claims. (Cl. 57—31)



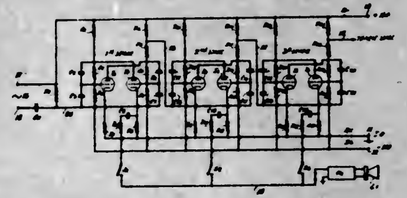
6. A machine for making thread by drawing ribbons while simultaneously twisting them together, comprising a guide bar having slotted openings formed therein through which said ribbons may be separately threaded, a die disposed beneath said guide bar through which said formed thread is adapted to be drawn, and said guide bar being mounted to reciprocate relative to said die to displace certain of said drawn ribbons laterally with respect to another ribbon.

2,486,038
MOLDING FORM FOR USE IN PRODUCING CONCRETE BURIAL VAULTS AND THE LIKE
Charles A. Landon, Columbus, Ohio
Application February 25, 1947, Serial No. 730,800
2 Claims. (Cl. 25—130)



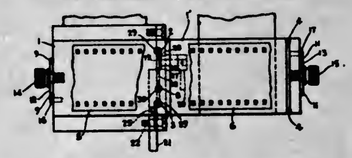
1. In apparatus for molding hollow cementitious bodies, a base, an open bottom core positioned on said base, said core embodying side, end and top walls of sheet metal, a pair of longitudinally extending transversely spaced rock shafts journaled in bearings carried by said base, bars secured to the inner surfaces of the side walls of said core, cam extensions formed with the lower ends of said bars and through which extensions said rock shafts pass disk means disposed in registration with said bars and rotatable with said shafts, and transversely disposed studs carried by said disk means and engageable with said cam extensions to flex the side walls of said core inwardly upon initial movement of said rock shafts in one direction and move said core downwardly upon the following movement of said rock shafts in the same direction.

2,486,039
ELECTRICAL MUSICAL INSTRUMENT
Nicholas Langer, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1945, Serial No. 625,018
12 Claims. (Cl. 84—1.19)



2. An electrical musical instrument comprising in combination a series of cascaded frequency-halving stages having aperiodic characteristics over the audio-frequency range, a pulse generator, switching means for selectively introducing the output of said generator into any one of the said stages thereby producing pulses of octavely related frequencies in the following stages, and translating means for converting pulses produced in the last one of the said stages into musical sound.

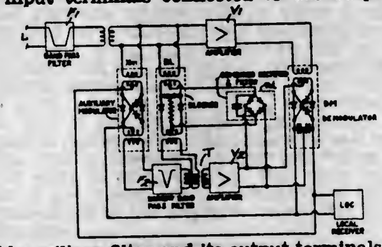
2,486,040
MOTION-PICTURE FILM SPLICER
Grover Laube and William A. Wootten, Los Angeles, Calif., assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application December 10, 1945, Serial No. 633,902
10 Claims. (Cl. 154—42.1)



1. In a motion picture film splicing machine, a plate adapted to receive strips of film to be spliced, a pin carrying plate having a set of long locating pins adapted to project through said plate and fit in sprocket holes of said film strips, a second set of short locating pins mounted on said pin carrying plate adapted to project through said plate and fit in sprocket holes of film of another width to be spliced, and means for moving said pin carrying plate to cause said first mentioned pins to project through said plate prior to said second mentioned set of pins.

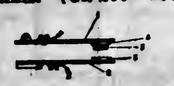
2,486,041
DOUBLE-CURRENT AUDIO-FREQUENCY TELEGRAPHIC TRANSMISSION SYSTEM
Robert Pierre Leroy, Paris, France, assignor to Compagnie Generale D'Electricite, Paris, France, a corporation of France
Application November 6, 1945, Serial No. 627,025
In France March 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1963
3 Claims. (Cl. 178—66)

3. In low-frequency carrier telegraph receiving apparatus, an incoming line, a channel separating filter having its input connected to said line, a demodulator having input connections and control connections and output connections, a principal amplifier having its input connected to the output of said channel separating filter and having its output connected to the input connections of said demodulator, a telegraph receiving device connected to the output connections of said demodulator, an auxiliary modulator having input terminals and control terminals and output terminals, the input terminals of said auxiliary modulator being connected to the output of said channel separating filter, the direct current output connections of said demodulator being connected to the control terminals of said auxiliary modulator, an auxiliary band pass filter having its input connected to the output terminals of said auxiliary modulator, an auxiliary amplifier having its input terminals connected to the output of



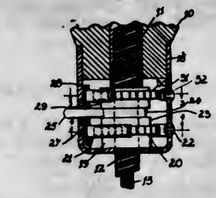
said auxiliary filter and its output terminals connected to the control connections of said demodulator, a blocking unit having input terminals and output terminals and control terminals and adapted to pass signals with negligible attenuation when its control terminals are not energized and to substantially attenuate signals when its control terminals are energized, rectifier means having its alternating current input connected to the output of said auxiliary amplifier and its output connected to the control terminals of said blocking unit, the input terminals of said blocking unit being connected to the output of said channel separating filter, and coupling means adapted and connected for delivering the output from the output terminals of said blocking unit to the input terminals of said auxiliary amplifier.

2,486,042
CONTACT-MAKING DEVICE FOR ELECTRICAL APPLIANCES
Henri Louis Lesigne, Vanves, France
Application September 19, 1945, Serial No. 617,377
In France February 5, 1941
6 Claims. (Cl. 200—166)



1. In a switch device for weak currents, a pair of resilient blade members displaceably mounted in juxtaposition for controlled frequent to-and-fro mutually perpendicular movement into and out of resilient mutual engagement, a first one of said blade members having a smooth surface contact area, and a contact brush carried by the second said blade member and engageable with said contact area of said first blade member, said contact brush comprising a multiplicity of closely spaced, projecting, short, pliant, fine metal filaments distributed throughout its area and having projecting free ends projecting from the flat face of said second blade member and engageable with said contact area of said first blade member at a multiplicity of slightly spaced points thereof and adapted to conform to any unevenness in the surface of said contact area.

2,486,043
REVERSIBLE RATCHET MECHANISM
Carl W. Lofgren, New York, N. Y.
Application April 12, 1946, Serial No. 661,468
1 Claim. (Cl. 74—575)

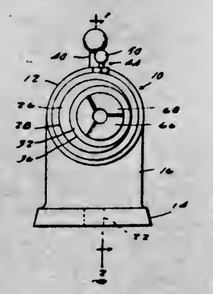


In a tool having a shank and a handle freely rotatable on said shank, ratchet means operatively connecting said shank to said handle for rotating the shank in clockwise and counter-clockwise directions, said means comprising a ratchet wheel fixedly carried by said shank, a second ratchet wheel arranged above and spaced from said first-named ratchet wheel and fixedly carried by said shank, a ring provided with an outwardly-projecting lever rotatably mounted on said shank intermediate said first and second-named ratchet wheels, a flat spring having an end secured to said handle and having its other end so formed as to provide a pawl, said spring extending in a counter-clockwise direction about said first-named ratchet wheel and having its pawl adapted to engage the teeth of the latter wheel, a second flat spring having an end secured to said handle and having its other end so formed as to provide a pawl, said second-named spring extending in clockwise direction about said second-named ratchet wheel and having its pawl adapted to engage the teeth of the latter wheel, and a slotted guide secured to said lever and extending above and below the latter, each of said springs extending through said slotted guide, whereby actuation of the lever of the ring in one direction causes the guide to move the pawl of one of the springs into engagement with the teeth of one of said ratchet wheels and to move the pawl of the other spring out of engagement with the teeth of the other of the ratchet wheels to permit the rotation of the shank in a clockwise direction and actuation of the lever of the ring in the opposite direction causes the guide to move the pawl of the other of said springs into engagement with the teeth of the other of the ratchet wheels and to move the pawl of the one of said springs out of engagement with the teeth of the one of said ratchet wheels to permit rotation of the shank in a counter-clockwise direction.

2,486,044
TAP GRINDING FIXTURE
William J. Lusk, Berea, Ohio
Application August 22, 1947, Serial No. 770,121
2 Claims. (Cl. 51—234)

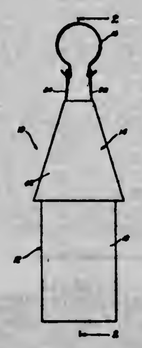
1. A workholder for supporting a workpiece for limited eccentric rocking movement about a longitudinal axis, said workholder comprising a base, said base having a longitudinal tubular housing having a concentric bore, an outer tubular cylinder rotatably fitting said concentric bore, said outer cylinder having a bore parallel to but eccentric with respect to said concentric bore, an inner cylinder rotatably fitting said eccentric bore, means preventing sidewise movement of said outer and inner cylinders and said housing relative to each other, a workpiece clamping collet arranged to project axially from one end of said inner cylinder, indexing means operating between

said outer and inner cylinders for releasably holding said inner cylinder in any one of a number of different predetermined positions of rotation of said inner cylinder relative to said outer cylinder, and handle means on said outer cylinder arranged for rotating said outer cylinder relative to said cylindrical housing, said positions of rotation of



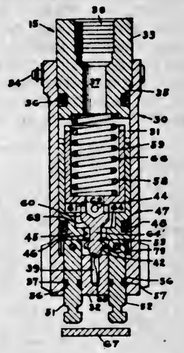
said inner cylinder relative to said outer cylinder being equally circumferentially spaced from each other, and means on said cylindrical housing limiting the swing of said handle means in either direction to a circumferential distance equal to the distance between adjacent ones of said positions of rotation.

2,486,045
COLLAPSIBLE PACKAGING CONTAINER
James C. Madden, 3rd, New York, N. Y., assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y., a corporation of New York
Application November 3, 1947, Serial No. 783,775
4 Claims. (Cl. 229—52)



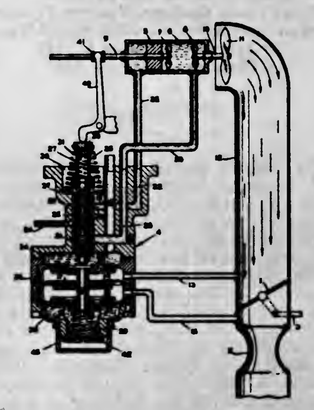
1. A container comprising a receptacle body having a bottom and a peripheral side upstanding from said bottom, opposed extensions projecting upwardly in converging relation from the top of said peripheral side, and a separate and downwardly flaring cover for said receptacle body engaging the top of said peripheral side and releasably held in position by said opposed extensions, the lower peripheral edge of said cover being below the top of said side of the peripheral body, said extensions projecting upwardly beyond said cover and providing means for supporting said receptacle body suspended therefrom.

2,486,046
PARKING VALVE ASSEMBLY FOR BRAKE APPLYING MECHANISM
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application October 21, 1946, Serial No. 704,605
8 Claims. (Cl. 277—20)



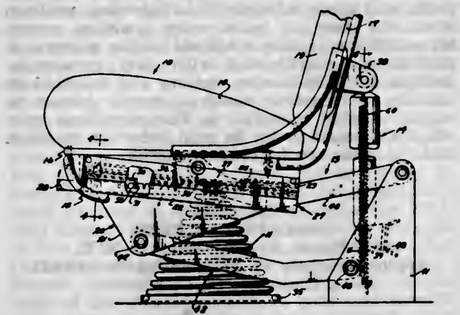
1. A parking valve for hydraulic brake applying mechanism, comprising a chamber having spaced first and second inlet ports, an outlet port adjacent the second inlet port, valve means in said chamber normally closing communication between the second inlet port and said outlet port and normally permitting free transfer of pressure from the first inlet port to the outlet port, and means for operating said valve means to close communication between the first inlet port and outlet port and to establish communication between the second inlet port and outlet port.

2,486,047
SUPERCHARGER REGULATOR
Joseph Marinelli, Newark, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 7, 1947, Serial No. 778,347
6 Claims. (Cl. 230—5)



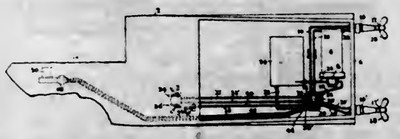
1. For use with an internal combustion engine having an induction conduit, a supercharger for said conduit, an adjustably positioned throttle valve in said conduit, a hydraulic coupling for driving said supercharger at a continuously variable speed, and a piston for controlling said coupling and thereby the speed of said supercharger; a regulator comprising a servo valve for controlling the position of said piston, a membrane operably connected to said servo valve, a conduit for connecting one side of said membrane to said induction conduit upstream of said throttle valve, another conduit for connecting the other side of said membrane to said induction conduit downstream of said throttle valve so as to differentially affect said membrane and thereby regulate the speed of said supercharger so as to maintain a predetermined constant differential pressure across said throttle valve at different adjusted positions of said throttle valve, a sleeve valve, said servo valve slidably positioned in said sleeve valve, a spring between an end of the servo valve and an inner end of said sleeve valve, a second spring supporting the other end of said servo valve, a third spring supporting an outer end of said sleeve valve, said springs arranged to resiliently support the sleeve and servo valves, and a movable arm for connecting the sleeve valve to said piston so that upon movement of the piston there is imparted a follow-up movement to the sleeve valve relative to the servo valve.

2,486,048
VEHICLE SEAT CONSTRUCTION
Brouwer D. McIntyre and Charles E. Read, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,645
3 Claims. (Cl. 155—9)



1. A seat construction for vehicles having a supporting part, comprising a seat having a base portion and having a back portion extending upwardly from the base portion, means for supporting the seat above the vehicle supporting part including a variable rate conical coil spring positioned beneath the seat, a pair of members extending upwardly from the supporting part in spaced relation to each other in the direction of length of the seat and positioned beyond the back of the seat out of interference with vertical displacement of the seat, means for guiding movement of the seat in a substantially vertical path including vertically spaced links positioned at each side of the seat and having the front ends pivotally connected to the seat below the base portion thereof, said links projecting rearwardly beyond the back of the seat and having the rear ends respectively pivotally connected to the members, a tubular direct acting shock absorber positioned beyond the back portion of the seat with its axis extending substantially vertically and having the upper end connected to the back portion of the seat at a point spaced substantially above the base portion of the latter, and means operatively connecting the lower end of the shock absorber to the vehicle supporting part.

2,486,049
HYDRAULIC PROPULSION SYSTEM FOR BOATS
Ernest C. C. Miller, Laurelton, N. Y.
Application December 8, 1945, Serial No. 633,176
7 Claims. (Cl. 115—35)



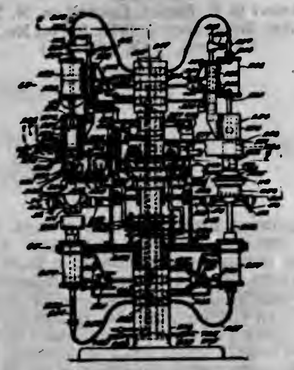
1. Propulsion mechanism for a boat, comprising an engine, resilient, vibration absorbing means for mounting said engine, a fluid pressure pump driven by said engine, both mounted inboard of the hull; a hydraulic motor, and a propeller driven thereby, bracket means for mounting said motor and propeller outboard of the hull; pipes operatively connecting said pump and said hydraulic motor; and valve means for controlling the supply of pressure fluid to said hydraulic motor.

2,486,050
METHOD OF FORMING HEAT INSULATION
Lewis B. Miller, Ambler, and Willard R. Seipt, North Wales, Pa., assignors to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Original application June 29, 1942, Serial No. 448,928. Divided and this application May 8, 1944, Serial No. 534,650
7 Claims. (Cl. 154—28)



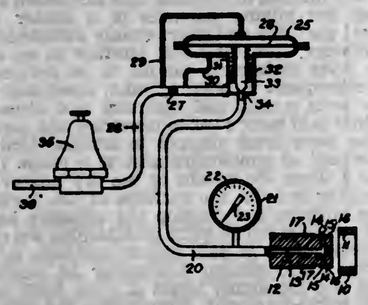
2. The method of forming heat insulation comprising dry mixing particles of a binder with mineral particles and fibers evenly distributed in the mixture, spreading said mixture as an open fluffy layer sufficiently porous to be permeated by a subsequent moistening mist, atomizing water to form a mist and directing said atomized mist into said layer so as to penetrate and permeate the layer from surface to surface, limiting the amount of moistening mist to a range from 1½ to 3 times the weight of the dry mixture to thoroughly moisten the surfaces of the particles of the mixture and develop the adhesive bonds of the binder particles while maintaining the relative distribution of said binder particles in the mixture, accumulating a number of similarly spread and moistened layers of open fluffy mixture to desired amount, compressing the said accumulated layers of moistened fibers and particles to a predetermined thickness corresponding to a density not exceeding 60 pounds per cu. ft. while maintaining the distribution of the binder between the particles and fibers, and drying the said compressed mass into a light, porous self-sustaining unit of substantially said predetermined thickness and a density of about 3.9 to 15 pounds per cu. ft.

2,486,051
APPARATUS FOR FEEDING CLAY TO POTTERY MOLDS
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Original application January 8, 1943, Serial No. 471,704. Divided and this application September 14, 1944, Serial No. 554,115
37 Claims. (Cl. 25—1)



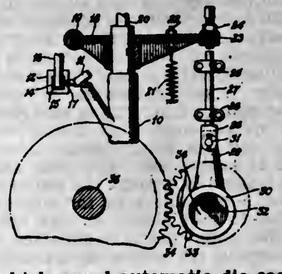
1. Apparatus for feeding clay to a line of molds comprising, in combination, a stationary conduit having an outlet, an angularly movable nozzle through which clay may be fed to the molds, a clay passage for the nozzle leading back to an inlet, means for moving the nozzle in an endless circular path into and out of register with molds therebelow and the inlet into and out of register with the outlet, means for closing the outlet when not in register with the inlet, and means for supplying clay to said conduit.

2,486,052
PNEUMATIC COMPARATOR GAUGE
Coleman B. Moore, Carroll Park, Pa., assignor to Moore Products Co., Philadelphia, Pa., a copartnership
Application October 25, 1945, Serial No. 624,518
8 Claims. (Cl. 73—37.5)



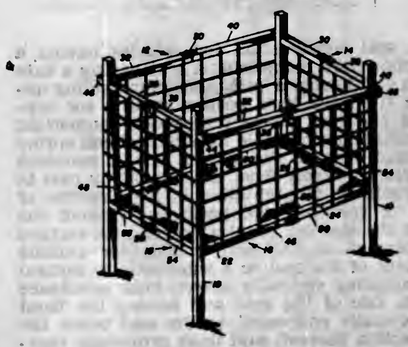
1. In a measuring device, a source of gaging fluid under pressure, a gaging member having a discharge opening adapted to be positioned adjacent the surface of the work to be gaged, a fixed restriction member interposed between said source and said gaging member, a variable restriction member interposed between said fixed restriction member and said gaging member, means for controlling said variable restriction member in accordance with the differential across the fixed restriction member, and pressure responsive means interposed between said variable restriction member and said gaging member.

2,486,053
GOOSENECK MOTION FOR DIE CASTING MACHINES
Louis H. Morin, Bronx, N. Y.
Application January 2, 1945, Serial No. 571,166
8 Claims. (Cl. 18—30)



1. In a high speed automatic die casting machine having a pair of dies and a casting material injection gooseneck, the combination of means for opening and closing the dies, harmonic eccentric means for advancing the gooseneck toward the dies to injecting position and then withdrawing it to an idle position, means for correlating the gooseneck-moving means to the die-moving means to advance the gooseneck to its said injecting position when the dies are in closed position, withdraw the gooseneck, and again advance it to injecting position when the dies are in an open position, means for supplying casting material to the gooseneck, and means coordinated with said gooseneck-moving and die-moving means and adapted to actuate said casting material supply means to supply casting material to the gooseneck only when the same is in its said injection position and the dies are in closed position.

2,486,054
COLLAPSIBLE CRIB
Max Morse, Jackson Heights, N. Y.
Application July 10, 1947, Serial No. 760,043
2 Claims. (Cl. 5—99)



1. A collapsible crib comprising corner posts, a plurality of centrally hinged upper lateral and end frame members and a similar plurality of lower lateral and end frame members, said frame members constituting an open frame hingedly secured to said posts, and flexible panels secured to and between said members, said upper members being collapsible downwardly, said lower lateral members being collapsible upwardly, and said lower end members being hinged to and collapsible on said lower lateral members.

2,486,055
ANTIFRICTION SCREW AND NUT ACTUATOR
Charles H. Mort and Clyde W. Mapes, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 29, 1948, Serial No. 5,126
6 Claims. (Cl. 74—459)



1. In a device of the character described, the combination with a tubular member, slidably fitting upon a shaft member, the inner peripheral surface of said tubular member and the outer peripheral surface of said shaft having a continuous, multiturn helical groove of similar pitch, coinciding to form a helical channel, one of said members having a longitudinal groove which interrupts the continuity of the helical groove provided thereon; of an insert plate adapted to fit into said longitudinal groove and be rigidly secured to said one member, said insert plate having open furrows in its side fitting upon the shaft, said furrows being of a pitch opposed to the pitch of the helical groove in said one member, each furrow cooperating with the member to form a tunnel connecting oppositely disposed, severed ends of the helical groove in said one member with which it cooperates to form a closed, single turn channel having partly helical and partly diverging portions; ball bearings in each single turn channel, forming the only mechanical connection between the tubular member and shaft; and angular ribs on the side of the insert plate opposite its furrowed side, said ribs coinciding with and extending into the helical groove of the other cooperating member for preventing the ball bearings to follow the normal course of the helical groove in said other member.

2,486,056
COMBINED PACKAGE AND APPLICATOR
Charles A. Oclassen, Kenmore, N. Y., assignor to Foster-Milburn Company, Buffalo, N. Y.
Application May 9, 1946, Serial No. 668,454
1 Claim. (Cl. 128—261)

A combined applicator and package for administering substances to a body cavity, including inner and outer tubes telescopically arranged with the inner tube of greater length than the outer tube, said outer tube being made of cardboard and having an inner layer of waxed paper and having the discharge end of said tube coated with wax, to protect said tube against the substance to be administered, said inner tube extending partly into said outer tube and forming between one end of said outer tube and an end of the inner tube, a space for the substance to be administered, a cap for closing the inner end of said inner tube rigidly secured to said inner tube and having a substantial liquid tight and slidable fit within said outer tube, and a closure cap



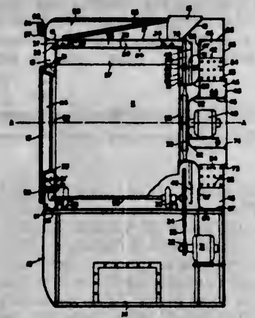
formed to be removably secured to said end of said outer tube for closing said end of said outer tube, said caps being made of a material which is inert with reference to said substance, said two caps forming the ends of a space in said outer tube for containing said substance to be administered and forming with said outer tube a package for said substance, said inner tube and the cap thereon, when said closure cap is removed, being movable toward said end of said outer tube to act as a piston to expel the substance to be administered from the outer tube.

2,486,057
BRACELET CLASP
Edwin C. Ohl, Port Washington, N. Y., assignor to Dutchess Jewelry Manufacturing Corporation, New York, N. Y.
Application May 3, 1947, Serial No. 745,707
5 Claims. (Cl. 24—71)



1. A device of the class described comprising a housing having a roof, side walls and a floor and having a longitudinal opening through the housing and having a slide slidably mounted in said longitudinal opening, a portion of the surface of said roof adjacent one end of said housing sloping downward toward said one end and at an acute angle with respect to said floor, said surface portion having a longitudinal slot therethrough, a member slidably mounted in a longitudinal direction on said surface portion and having a portion thereof projecting through said slot, a member loosely mounted under said first member, said portion of said first member including means for retaining said second member and having said second member retained therein and confining said second member against lateral movement, said slide being spaced from said housing roof and providing a support for said second member, movement of said first member and hence said second member toward said one end of said housing causing said second member to jam said slide against said floor to prevent withdrawal of said slide through said one end and movement of said first member and hence said second member in the opposite direction freeing said slide to permit withdrawal thereof through said one end of the housing.

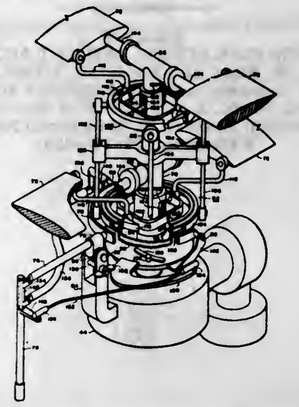
2,486,058
AIR DRYING TUMBLER FOR LAUNDRY
Glenn A. Patterson, Davenport, Iowa, and Benjamin S. Kagan, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application March 16, 1945, Serial No. 583,034
9 Claims. (Cl. 34—82)



1. A drying tumbler comprising, in combination, a stationary casing provided at the front with loading opening, an air inlet opening, an air exhaust opening at the top, a door closing said loading opening, a partition in the casing separating the space adjacent to the door from the rest of the casing, a horizontal passage at the top of the casing connecting said separated space with the air exhaust opening in the top of the casing, a drawer slidable toward the front of the casing filling said horizontal passage, an inclined lint screen forming the bottom of said drawer, a cylindrical drum having an imperforate side wall rotatable about its horizontal axis and projecting through said partition toward said door, a rear wall for said drum having a central opening, a front wall for said drum having a central loading opening proximate to said door, perforations in said front wall surrounding said loading opening, a fan disposed on the axis of said cylinder adapted to draw air through the inlet opening in said casing and to drive it through said cylinder into the space between the partition and the front of the casing, thence through the inclined lint screen in the bottom of said drawer and out through said air exhaust opening.

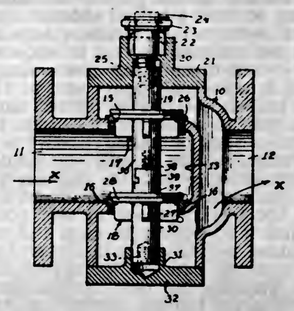
2,486,059
CONTROL MECHANISM FOR HELICOPTERS WITH COAXIAL ROTORS
Horace T. Pentecost, Renton, near Seattle, Wash.
Application October 9, 1945, Serial No. 621,254
4 Claims. (Cl. 170—135.24)

2. In a helicopter, a pair of coaxial shafts, a pair of blades adapted for variable lift and associated with each said shaft, means for moving said shafts in counter-rotation, between the paths of said blades and movable with one of said blades a first annular track, outside the paths of said blades a second annular track, a third annular track concentric of said second track, all of said tracks being longitudinally movable of said shaft axes, pitch control link means revolubly coupled to each the first and second annular tracks and pivotally coupled to an adjacent blade to vary the lift of said blade upon longitudinal movement of said tracks, a guide cross head secured for rotation to the outer of said co-axial shafts and slidably engaged with the links between said first and second tracks, said second and third tracks being relatively movable of each other along a common axis, means for effecting said relative movement between said second and third tracks, link means coupled between said first and third tracks, means for simultaneously moving said second and third tracks longitudinally of said shaft axes whereby said blades have variable lift
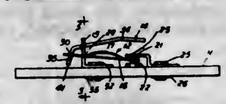


impressed thereon, means for tilting one of said tracks relative said shaft axes, and a single manually operable element associated with said means for effecting longitudinal movement of said tracks and said tilting means and said means for relatively moving said second and third tracks.

2,486,060
EXPANSION VALVE
Peter F. Petersen, Los Angeles, Calif.
Application January 20, 1947, Serial No. 723,067
3 Claims. (Cl. 251—82)



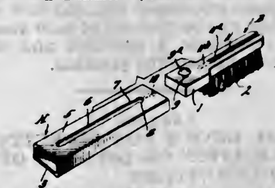
1. An expansion valve comprising a pair of valve heads joined in axial alignment, a casing for said valve heads, an inner chamber with a fluid inlet, an outer chamber with a fluid outlet in said casing, spaced coaxial seats for said heads between said chambers, said casing having opposite coaxial apertures of sufficient diameter to permit the placing of the heads on their seats from either of two directions, a cap provided for each aperture, means for securely fastening the caps to close said apertures, each head having a shank, a guide in each cap to slidably receive the shank of the adjacent head, a piston rod carried in a bearing in one of said caps, a threaded extension on the end of the rod, and each shank having a threaded socket adapted to receive said extension when the shank is in the guide of the said one of the caps.

2,486,061
SNAP ACTION MECHANISM
Stafford G. Ransome, Rockford, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application June 12, 1947, Serial No. 754,119
9 Claims. (Cl. 200—67)



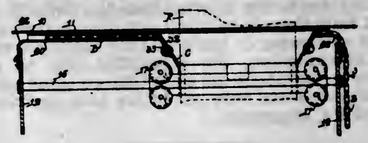
9. In a snap action switch, the combination of, a base, a bracket mounted on said base, a lever swingably mounted, intermediate its ends, on said bracket, and a snap spring system comprising a first and a second stressed member, one end of each of said stressed members interconnected and free to move between preselected positions, the opposite end of said first stressed member supported by said bracket and the opposite end of the second stressed member engaged by said lever whereby movement of said lever shifts said second stressed member relative to said first stressed member to move said free ends between the preselected positions with a snap action.

2,486,062
COLLAPSIBLE TOOTHBRUSH
George S. Ridner, Sr., Newark, N. J.
Application November 13, 1946, Serial No. 709,507
1 Claim. (Cl. 15—167)



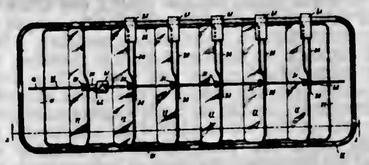
In a tooth brush of the collapsible type, the combination comprising a hollow tubular handle having a plurality of enclosing walls and an open end and a brush head having an inner end permanently telescoped with the handle and slidable so as to move its other outer end from a position within to a position outside the handle through the open end of the handle, a field of bristles projecting from one side of the brush head adjacent its outer end, a slot in a wall and opening through the open end of the handle providing clearance for the bristles when the brush head is retracted within the handle, locking means for releasably retaining the brush head in extended position relative to the handle, said locking means comprising a slot defining a track in a wall of the handle opposite from the wall containing said bristle-clearance slot and extending longitudinally of the handle, said track being constricted in width adjacent its end located nearest the open end of the handle and terminating in a widened portion, and a pin on the brush head slidable within the track and provided with a head overlying the marginal edges of the track, whereby when the brush head is moved to fully extended position the pin travels along the track, wedges apart the constricted portion and snaps into the widened portion of the track so as to hold the brush head against retraction, a bead upon the inner face of the track-carrying wall of the handle and located adjacent the open end of the handle and a guide channel in the coacting face of the brush head traversible by the bead, said guide channel having a raised bottom adjacent the inner end of the brush head and engageable by the bead for camming the brush head into tight frictional contact with the inner wall of the handle when the brush head is moved to fully extended position to insure a non-wobbling fit between the brush head and handle.

2,486,063
RECORDER CASING WITH FLEXIBLE CARD SLOT CLOSURE
Albert E. Rockwood, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application June 4, 1948, Serial No. 31,002
8 Claims. (Cl. 160—127)



1. In a recorder having a casing with a transverse slot and having a transversely shiftable card chute, that improvement which consists in providing flexible linked closure units connected to said card chute and movable transversely therewith, and guiding means for said closure units adjacent said slot.

2,486,064
FREEZING TRAY
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 20, 1947, Serial No. 792,918
7 Claims. (Cl. 62—108.5)



6. In a freezing tray, a partitioning grid comprising: a main partitioning wall having a notch in its upper edge, a cross partitioning wall transversely mounted upon said main wall and loosely retained in said notch in such manner that said cross wall is movable relative to said main wall, a rotatable wedge pivoted to said cross wall and arranged to be wedged between said cross wall and the opposing edge of its notch in said main wall to cause a relative movement between said walls to loosen ice blocks bonded thereto, and manual means for rotating said wedge.

2,486,065
LEAD-IN STRUCTURE FOR VACUUM TUBES
Henri Saucet, Paris, France, assignor to Societe Francaise Radio-Electrique, a corporation of France
Application July 16, 1946, Serial No. 684,054
In France April 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 24, 1964
3 Claims. (Cl. 250—27.5)

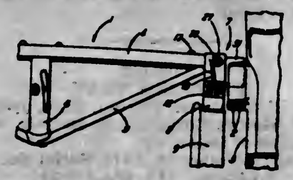
1. A vacuum tube comprising a relatively flat annular conductor having a plurality of radial slots disposed therein with outwardly projecting lugs adjacent said slots, inwardly extending lugs

connected with said flat annular conductor, an electrode assembly having the electrodes thereof mechanically supported and electrically connected with said inwardly extending lugs, an enclosing container enveloping said electrode assembly and connected with said flat annular conductor and radially disposed lugs connected with the flat



annular conductor intermediate the radially disposed slots therein forming electrical connections to the electrodes of the electrode assembly within said container, the projecting lugs on said conductor adjacent the slots therein being severable for isolating said conductor into electrically connecting segments.

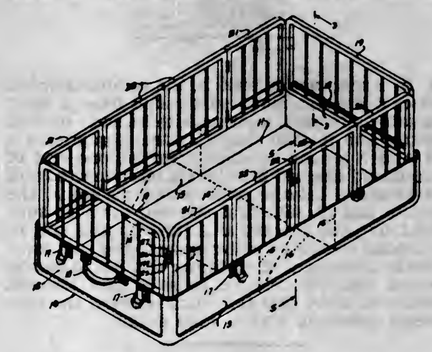
2,486,066
BRAKE BEAM
Frederic Schaefer, Pittsburgh, Pa.
Application May 22, 1947, Serial No. 749,682
3 Claims. (Cl. 188—228.3)



1. A brake beam for use with a car truck provided with pairs of beam-supporting ledges, said beam comprising a compression member, a brake head disposed at each end of said member, each head being provided at one side with a tongue projecting laterally into the adjoining end of the compression member in tight engagement therewith and at the other side with a laterally projecting solid lug adapted to be slidably supported by the adjoining pair of ledges, each head having a slot extending into it from its tongue side and disposed in the plane of the beam, a tension rod having its ends projecting into the slots in the heads, each end of the rod and the slot walls above and below it being provided with aligned openings between the adjacent lug and end of the compression member, and fastening members in said openings securing the tension rod and brake heads together.

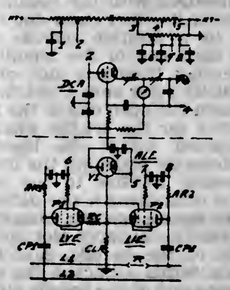
2,486,067
PORTABLE CRIB BED
Earl V. Schroeder, Wichita, Kans.
Application September 19, 1947, Serial No. 775,087
2 Claims. (Cl. 5—99)

1. A portable crib bed comprising a generally rectangular receptacle having end walls, side walls, and a continuous bottom wall when said receptacle is in open condition, said bottom wall having two transverse, substantially parallel fold lines therein disposed one at each side of the transverse center-line of said bottom wall and at substantially equal distances therefrom, the portion of said bottom wall between said fold lines constituting a bottom for said receptacle when folded, and each of said side walls having transverse and diagonal fold lines therein between said bottom wall fold lines providing side-wall portions foldable inwardly of said receptacle to enable the edges of said end walls and the edges of said side walls between said end walls and said bottom wall fold lines to come together when said receptacle is folded, crib sections hinged to said end and side walls interiorly at the edges of said walls surrounding the open side of said receptacle when the latter is opened, said crib sec-



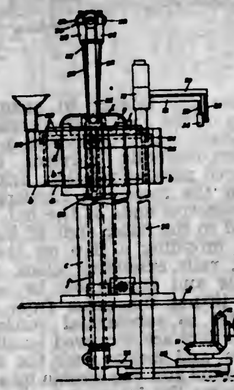
tions extending entirely along said side and end walls and being foldable from an upstanding position to a position within said receptacle, means releasably securing the two end portions of said receptacle together when in folded condition, and means releasably securing said crib sections together at the corners of said receptacles when said receptacle is unfolded and said crib sections are in upstanding position.

2,486,068
ELECTRICAL DEVICE FOR EFFECTING THE MULTIPLICATION OR DIVISION OF INDEPENDENT QUANTITIES
Mahmoud El Shishini and Mohamed Abdu Hassan El-Said, Giza, Cairo, Egypt
Application June 19, 1946, Serial No. 677,666
In Great Britain July 19, 1944
13 Claims. (Cl. 171—95)



1. A valve wattmeter including in combination a three valve-circuit arrangement, a first valve-circuit arrangement having an input circuit to which the voltage component of power to be measured is applied to produce an output which varies logarithmically against said voltage component, a second valve-circuit arrangement having an input circuit to which the current component of power to be measured is applied to produce an output which varies logarithmically against said current component, circuit means in which the outputs of the two valve-circuit arrangements are added, a third valve-circuit arrangement having an input circuit to which the added outputs are applied to produce a final output therefrom which varies exponentially against said added output, said three valve-circuit arrangement being so adjusted that the said final output is proportional to the instantaneous product of said voltage component into said current component of power to be measured, whereby said product is obtained by the superimposition of the added logarithms from first and second valve-circuits upon the anti-logarithm of said third valve-circuit.

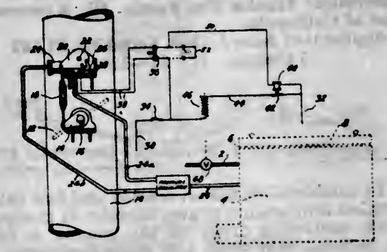
2,486,069
ENVELOPE FEEDING MECHANISM WITH SLIDABLY AND PIVOTALLY MOUNTED GRIPPER ARMS
Arthur Ronald Smith, Birmingham, and George Arthur Lee and Cyril J. Hopkins, Caffley, England
Application January 13, 1948, Serial No. 2,068
In Great Britain December 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 30, 1962
6 Claims. (Cl. 226—49)



1. An automatic machine of the kind specified, comprising the combination with a rotary work table and an envelope receptacle, of a vertical spindle, a pair of gripper arms carried by the spindle and adapted to transfer envelopes individually from the receptacle to the table, one of the arms being secured to the spindle, a torsion spring connecting the other arm to the spindle, a hollow actuating spindle surrounding a portion of the gripper-arm spindle, the hollow spindle being adapted to impart angular movements to the arms and to permit a small amount of relative angular movement between the arms, a friction device acting on the gripper-arm spindle for temporarily holding the arm secured thereto against angular movement with the hollow spindle, to permit the said relative movement between the arms, means for oscillating the hollow spindle, and means for imparting vertical movements to the spindles.

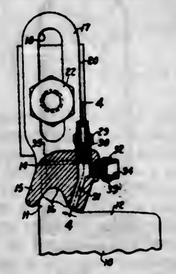
2,486,070
AUTOMATIC CONTROL
Benjamin L. Smith, Gary, Ind.
Application January 9, 1946, Serial No. 639,991
6 Claims. (Cl. 263—43)

6. In an article heating furnace having a combustion chamber, means for delivering a fluid fuel to said chamber, said chamber having an opening therein for charging articles thereto, means for closing said opening, a stack leading from said chamber, a damper in said stack for controlling the flow of flue gas therefrom, and means for opening and closing said damper, the improvement comprising a solenoid controlled valve for controlling the flow of the fuel to the combustion chamber, an electric circuit for energizing said solenoid to open said valve when the damper is open, a mercury switch in said circuit operable by movement of said damper, said switch



being closed during normal operation of said furnace, the movement of said damper to its closed position opening said switch to open said circuit and move said valve to closed position, and a double throw switch in said circuit normally positioned to complete the circuit through the first named switch, said double throw switch being movable to by-pass the first named switch to permit manual control of said valve.

2,486,071
SHOE FOR WHEEL FLANGE LUBRICATION
John E. Smith, Chicago, Ill., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application August 3, 1948, Serial No. 42,197
4 Claims. (Cl. 184—3)



2. A shoe for lubricating the wheel flange of a railway vehicle, comprising a weighted block having an end face contacting the wheel flange, an extension to the block, a bracket fastened to the vehicle, means holding the extension and bracket together while permitting the extension and the block to travel radially and transversely with respect to the wheel and the end face of the block to maintain contact with the wheel flange during the swaying motion of the vehicle, an oil connection to the block, having a non-return valve, the block having an inner fan-shaped conduit from the connection with its outlet terminating in the end face of the block at the junction of the flange and tread of the wheel, a clean-out nipple having a tapered inlet for the reception of the end of a hose, a non-return valve and an outlet between the oil connection and the outlet in the end face, the block having a marking line at its outer surface indicative of the maximum per-

missible wear of the end face at which sufficient thickness is left in the block between the oil connection and the clean-out nipple, respectively, and the end face.

2,486,072
CABLE CONTROL MECHANISM
Roger M. Smith, Goodyear, Ariz., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application June 4, 1948, Serial No. 31,162
5 Claims. (Cl. 37—125)



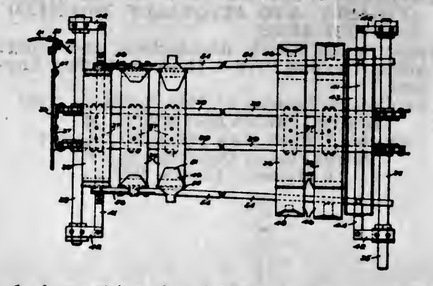
1. In combination with a tractor and two cable controlled implements drawn thereby in tandem, a cable controlled drum on the tractor, a first cable between said drum and controlled parts of the first implement, a second cable control drum on the first implement, a second cable between said second drum and controlled parts of the second implement, and means operable by the first cable for actuating the second cable control drum.

2,486,073
LIPSTICK CONTAINER
Carl Sommer, Copenhagen, Denmark, assignor to Herbert C. P. Dann, New York, N. Y.
Application February 25, 1946, Serial No. 10,595
In Denmark April 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 17, 1966
7 Claims. (Cl. 206—56)



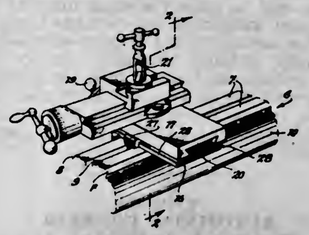
1. Lipstick container comprising an outer sleeve, an inner sleeve axially and rotatably slidable within the outer sleeve, a lipstick holder axially and rotatably slidable within and relative to the inner sleeve, a pair of jaws pivotally supported near one end of the outer sleeve and arranged to close said sleeve end in one pivotal position and to open said sleeve end in another pivotal position, said inner sleeve having a pair of spaced recesses in its edge facing the jaws, each of the jaws having a nose arranged to engage a respective recess for causing pivotal movements of the jaws in response to a rotation of the inner sleeve relative to the outer sleeve, first guiding means operatively coupling the holder, the inner sleeve and the outer sleeve for causing axial displacement of the holder within the container upon rotation of the inner sleeve relative to the outer sleeve, and second guiding means operatively coupling the inner sleeve and the outer sleeve for causing relative axial displacement of the sleeves upon rotation of the inner sleeve within the outer sleeve, said first and second guiding means being arranged to be subsequently operative for the purposes aforesaid, thereby causing opening and closing of the jaws prior and subsequent respectively to the axial displacement of the lipstick holder.

2,486,074
BOX FOLDING MACHINE
Frank A. Spinale, Medford, Mass.
Application November 5, 1947, Serial No. 784,166
6 Claims. (Cl. 93—49)



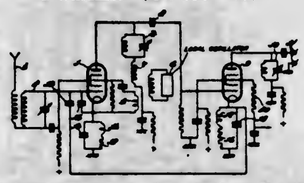
1. A machine for folding to open position flattened boxes of the character described, comprising an endless conveyor having a series of transverse, box-receiving carriers connected thereto in spaced parallel relation, arms hinged to the ends of the respective carriers for upfolding the respective ends of the flat box, and flappers hinged to the outer ends of the respective arms for infolding a flap on the respective box ends, rails extending along the sides of the machine and engageable by said arms for gradually lifting the arms from substantially horizontal to substantial vertical position, as said carriers are conveyed longitudinally of the machine, and means near the discharge end of the machine and engageable by said flappers for depressing the inner ends of said flappers to infold said flaps.

2,486,075
MEANS FOR CLAMPING MACHINE PARTS TO BEDS
David W. Strom, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application April 5, 1946, Serial No. 660,614
3 Claims. (Cl. 29—1)



1. In means for clamping the base of a machine part to a bed having a longitudinally extending slot therein, that improvement which includes a base having flanges at opposite sides thereof extending crosswise of said slot, a rigid yoke arranged in said slot and movable lengthwise of said slot to secure said machine part in different positions lengthwise of said bed and having claws extending out of said slot and into engagement with said flanges of said base, a bolt pivoted to said yoke intermediate of the ends thereof, and a nut engaging said bolt and said base for exerting a force on said yoke to urge said base into engagement with said bed.

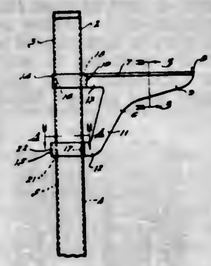
2,486,076
CIRCUIT ARRANGEMENT FOR CHANGING THE FREQUENCY OF ELECTRICAL OSCILLATIONS
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application September 18, 1946, Serial No. 697,769
In the Netherlands February 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 23, 1963
4 Claims. (Cl. 250—20)



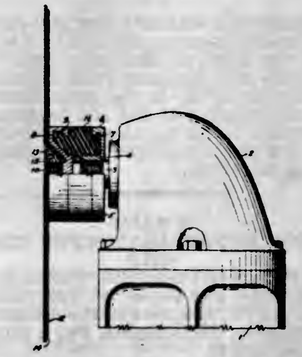
1. A frequency converter system for changing a radio wave into an intermediate-frequency signal comprising a first mixer including an electron discharge device provided with at least a cathode, first and second control grids and an anode, a first resonant circuit tuned to the radio wave and coupled between the first control grid and the cathode, a second resonant circuit tuned to the intermediate-frequency signal and coupled between the anode and the cathode, a feedback network interposed between the cathode and said first and second resonant circuits to develop a positive feedback wave proportional to said radio wave, means to apply said positive feedback wave to said first control grid, a source of local oscillations and means to apply said local oscillations to said second control grid and to said second resonant circuit, a second mixer including an electron discharge device provided with a cathode, a control grid and an anode, means to apply the local oscillations and the intermediate frequency signal appearing in the second resonant circuit of said first mixer as an input to said control grid of said second mixer, a third resonant circuit tuned to the intermediate frequency signal and coupled between the anode of said second mixer and the cathode of said second mixer, a feedback network interposed between the cathode and said third resonant circuit to develop a negative feedback wave proportional to the radio wave produced in said second mixer, and means to apply said negative feedback voltage to the first control grid of said first mixer.

2,486,077
ADJUSTABLE STILT
Benjamin F. Taylor, Livingston County, Mich.
Application August 29, 1946, Serial No. 693,685
5 Claims. (Cl. 272—70.1)

1. A stilt, comprising a pole, having on opposite sides thereof apertures which are spaced a predetermined distance apart, and a footrest having ring portions which encompass the pole provided with projections on diametrically opposite sides on the respective ring portions for engaging the apertures and having the sides directly opposite the projections spaced from the adjacent faces of the pole a sufficient amount to permit the projections to move from the apertures when the footrest is tilted about a center between the ring elements.



2,486,078
GRINDING MACHINE
Berne Tocci-Guilbert, San Francisco, Calif., assignor to Flexentrik Co., San Francisco, Calif., a corporation of California
Application November 26, 1945, Serial No. 630,798
2 Claims. (Cl. 51—197)

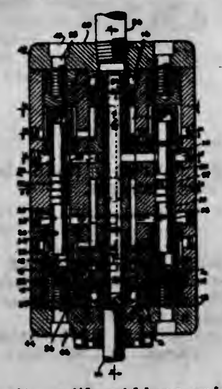


1. A flexible coupling for a disc grinder in the class described, comprising a substantial median resilient cushion increasing in longitudinal width from axis toward the periphery; a driving head on one lateral surface of said cushion attachable to a motive means and having a hub extending into and driving the mass of said cushion; a driven head attached to the other lateral surface of said cushion having a concave center portion extending into and driven by said cushion; abrasive disc attaching means on said driven head within said concave portion; and a flexible abrasive disc countersunk into said concave portion and secured thereto below the plane of said disc; the mass of said cushion being such that the axis of said driven head and driving head may be forced out of alignment and cause a selected degree of oscillating and gyrating torque in said grinding disc at the will of the operator.

2,486,079
HYDRAULIC BOOSTER
Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application May 18, 1945, Serial No. 594,413
17 Claims. (Cl. 103—49)

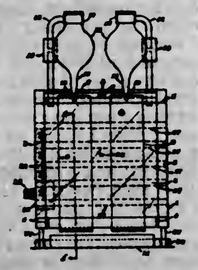
1. In a fluid pressure converter, a casing having a first port, a second port and an exhaust

port, a plurality of cylinders in said casing, a plurality of pistons reciprocably mounted in said cylinders, each of said pistons forming with its associated cylinder two working areas on either end of said piston, a bore in said casing, a valve member movably mounted in said bore in continuous communication with said ports, each of the areas on said pistons being continuously



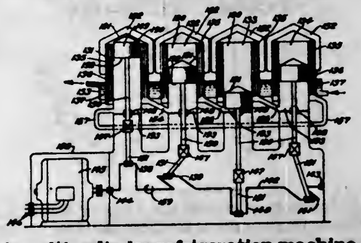
in communication with said bore, said valve member comprising passages adapted to interconnect both of the areas on one end of each of said pistons with said first port while simultaneously connecting the areas on the other ends thereof one to said second port and one to exhaust, said valve member being movable for alternately reversing the aforementioned connections to said pistons in succession.

2,486,080
METHOD AND APPARATUS FOR TESTING OILS
William R. Turner, Drexel Hill, William Schreiber, Philadelphia, and Carroll H. Van Hartesveldt, Rosemont, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1945, Serial No. 602,574
4 Claims. (Cl. 73—64)



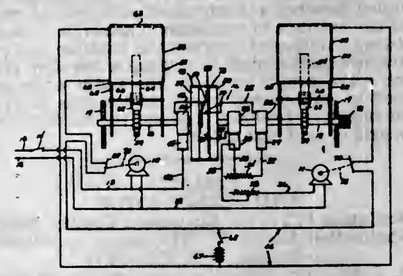
2. Apparatus for determining the detergent properties of lubricating oil containing sludge, comprising a truncated, wedge-shaped solid body member saving a surface inclined at an angle to the horizontal, a plurality of electrical heating elements disposed within said body member in a plane parallel to the inclined surface of said body member, temperature regulating means associated with said heating elements, a strip member disposed longitudinally upon the inclined surface of said body member, narrow ribs of heat-resistant material affixed adjacent the outer edges of the inclined surface of said body member, a transparent cover plate disposed upon said narrow ribs of heat-resistant material out of contact with said strip member, means for supplying oil to said strip member at a predetermined rate, and means disposed upon the truncated surface of said body member for removing oil vapors arising from the surface of said strip member.

2,486,081
MULTICYLINDER REFRIGERATING MACHINE
Franciscus Lambertus van Weenen, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 13, 1945, Serial No. 616,093
In the Netherlands July 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 27, 1964
2 Claims. (Cl. 62—136)



1. A multi-cylinder refrigeration machine comprising a plurality of cylinders cooled at one end and heated at the other end, within each of which is a piston connected to a common source of motive power and acting upon an incondensable gas, said cylinders being partially surrounded by a jacket through which the medium to be cooled passes, a conduit for passing the gas in a closed cycle of operation between the top of one cylinder and the bottom of another cylinder, said conduit containing means for exchanging heat with the gas and being partially surrounded by a jacket through which flows a cooling fluid for dissipating a portion of said heat.

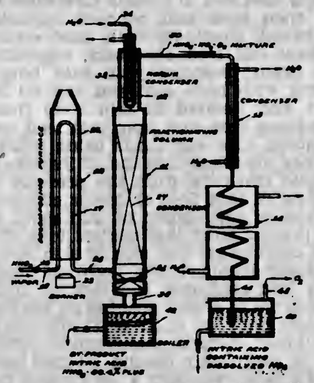
2,486,082
SYNCHRONIZING MECHANISM
Joseph A. Wagner, Verona, Pa., assignor to Wagneradio Company, Verona, Pa., a corporation
Application November 7, 1946, Serial No. 708,424
4 Claims. (Cl. 318—74)



3. A synchronizing system comprising a pair of shafts positioned in end to end relation, a two sector rotary switch element, formed of one relatively small sector and one larger sector, the latter extending over approximately half the angular radius of an insulated mounting, a switch arm on the other shaft, said arm adapted to contact

the switch element, means including solenoids operating the switch element and the arm and an external electrical circuit connecting the solenoids and switch element directly into the circuit of the apparatus to be synchronized.

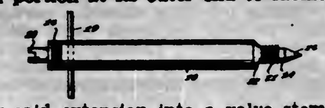
2,486,083
MANUFACTURE OF NITRIC ACID
William E. Watson, West Orange, N. J., and John W. Glenn, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York
Application September 13, 1944, Serial No. 553,922
2 Claims. (Cl. 23—160)



1. The process for making substantially anhydrous nitric acid containing dissolved NO_2 which comprises introducing into a decomposition zone nitric acid vapor containing not less than 80% by weight of HNO_3, heating said nitric acid vapor in said zone to temperature sufficient to decompose a portion of the HNO_3 to water, oxygen and NO_2, conducting said heating under conditions to form a decomposition zone exit gas-vapor mixture containing NO_2, water vapor and more HNO_3 vapor than can be condensed out with total water present as the constant boiling HNO_3-water mixture, introducing said gas-vapor mixture containing NO_2 and HNO_3 vapor into a fractionating zone, cooling said gas-vapor mixture in said fractionating zone to a temperature sufficiently low and under conditions to create at the gas-vapor exit of said fractionating zone a reflux of substantially 100% HNO_3, but maintaining said temperature not low enough to effect condensation of all of the HNO_3 contained in said mixture, withdrawing from said fractionating zone gas-vapor exit as overhead a substantially 100% HNO_3 vapor containing NO_2, discharging from said fractionating zone as bottoms a nitric acid liquor containing substantially all of the water introduced into said fractionating zone, and further cooling said overhead under conditions to condense nitric acid and at the same time dissolve NO_2 therein.

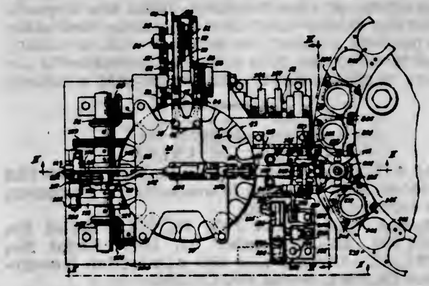
2,486,084
VALVE STEM PULLER
Francis D. Webster, Wateska, Ill.
Application June 16, 1947, Serial No. 753,662
1 Claim. (Cl. 81—3)

A tool for pulling an inner tube valve stem through a valve stem receiving hole in a tire rim comprising an elongated cylindrical body of a size to pass freely through a valve stem receiving hole in a tire rim, an externally screw-threaded extension of reduced diameter on one end of said cylindrical body, said extension being of a size to thread into a valve stem and having a tapered, conical portion at its outer end to facilitate in-



serting said extension into a valve stem, a tapered annular shoulder between said body and said extension providing a seat for the end of a valve stem into which said extension is threaded, and a handle carried by said body near the end thereof remote from said extension.

2,486,085
METHOD AND MACHINE FOR FEEDING RING CONTACTS IN BASE MAKING
James B. Whitmore, Bloomfield, and Louis D. Morand, Clifton, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1942, Serial No. 456,200
20 Claims. (Cl. 49—2)



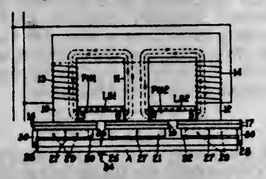
1. The method of feeding contact rings comprising placing them one by one in pockets of an intermittently rotating dial, removing said rings one by one from said dial at a different place along its periphery, turning said rings one by one until lead-in-conductor-receiving apertures thereof are properly positioned for an associated base-making machine, and then moving said positioned rings one by one to the lower dies of said base-making machine.

6. Apparatus for feeding rings comprising means for feeding rings one by one, a dial rotatable about a vertical axis and provided with a plurality of pockets, each of which is adapted to receive one ring, means for rotating said dial so that one pocket after another is brought to register with and receive a ring from the feeding means a plunger slide mounted to move horizontally over said dial, a plunger mounted for vertical reciprocation in said slide, means for operating said plunger, and means for moving said slide over said dial, whereby as the ring-holding pockets one after another register therebeneath, said plunger moves downward, engages a ring, and slides it radially out of said dial.

2,486,086
RELAY
Joseph E. Willing and George J. Johanek, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 21, 1945, Serial No. 611,782
4 Claims. (Cl. 175—339)

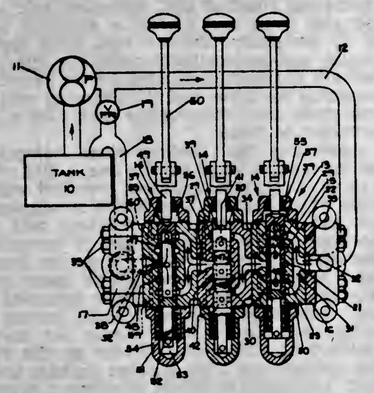
4. In a retained neutral type relay, a pivoted armature normally biased to a particular posi-

tion, a magnetic core structure cooperating with said armature for at times actuating it to its opposite position, said core structure comprising two permanent magnets and a U-shaped magnetic shunting portion for each permanent magnet, a winding for each shunting portion, and a leakage member adjacent each permanent magnet and positioned parallel thereto, a short circuit means associated with said magnetic core structure and located thereon adjacent that por-



tion of the core structure which brings it into cooperative relation with said armature, whereby energization of said windings with one polarity causes magnetic flux from one permanent magnet to actuate said armature whereas energization of said windings with the opposite polarity causes magnetic flux from the other permanent magnet to actuate said armature, and whereby the release of said armature is delayed upon the deenergization of said windings.

2,486,087
HYDRAULIC VALVE
Fred J. Wright, Columbus, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Original applications July 29, 1943, Serial No. 494,634, and November 27, 1944, Serial No. 565,356. Divided and this application November 10, 1945, Serial No. 627,848
5 Claims. (Cl. 277—57)



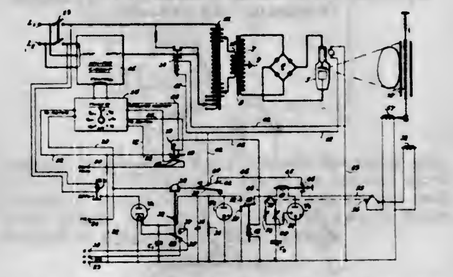
2. A banked valve assembly including a plurality of duplicate four-way spool valves, means assembling said valves in banked arrangement, each of said valves including a body having a straight bore extending therethrough, a feed chamber located adjacent the center of said body and communicating with said bore, a pair of motor chambers on opposite sides of said feed chamber and also communicating with said bore, a feed chamber located outwardly of each motor chamber and also communicating with said bore, a cap on each end of said body, each cap providing an oil leakage chamber communicating with an end of said bore, a spool slidable in said bore and having a stem extending through one of said caps, an oil seal for said stem where it extends through said one cap, said spool being hollow and having three lands including a center land and two end lands, each of said lands having a radial opening extending from the hollow interior of said spool to the land surface and cooperating with the hollow spool and feed chambers and passageways to provide an open path for flow of hydraulic fluid through said valve when the spool is in its neutral position, said spool being operable in reverse directions to shut off said open path and connect opposite ones of said motor chambers with said center and one of said end feed chambers, respectively, a common drain passageway in said body communicating with both said end cap oil leakage chambers and isolated in said body from said spool receiving bore and from said feed and motor chambers, said end lands being constructed so that they always isolate the oil leakage chambers in said end caps from the pressure of hydraulic fluid in said feed or motor chambers for all positions of adjustment of said spool, a passageway leading from said central feed chamber to a feed opening on one side of said body, and a passageway leading from both said end feed chambers and confining the flow of hydraulic fluid therefrom to a feed opening on the opposite side of said body in alignment with said first mentioned feed opening, said common drain passageway in each body having aligned openings on opposite faces whereby a continuous isolated through drain passageway is provided in the banked valve assembly.

2,486,088
OIL SEAL
Anthony P. Yaros, Dearborn, Mich.
Application February 19, 1945, Serial No. 578,687
4 Claims. (Cl. 288—3)



1. A fluid seal for rotatable shafts comprising a T-sectioned annular sealing element of pliable character arranged with the free end of the leg of the T for rubbing contact with a surface to be sealed, a rigid annular U-sectioned member arranged in inverted relation on the head of the T with the free edges thereof bearing against the outer ends of the head of the T, and a slotted hollow annular housing encompassing said sealing member and U-sectioned member and through the slot of which the leg of said T projects, the opposite terminal portions of the head of said T being clamped between said U-sectioned member and the slotted wall of said housing.

2,486,089
TIME DELAY CONTROL
Charles T. Zavales, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1946, Serial No. 706,594
7 Claims. (Cl. 250—95)



1. A Bucky release time delay control comprising a Bucky grid movable through the field of exposure of a sensitized film to a beam of radiations from an X-ray tube, means operable to cause energization of said X-ray tube for a preselected period of time and subject to an inherent time delay prior to actual energization of said X-ray tube, compensating means operable simultaneously with said X-ray tube energizing means and for a period of time corresponding to the time delay in the operation of the latter before actual energization of said X-ray tube including a source of electrical energy having a voltage regulator tube connected thereto for maintaining the application of a constant voltage to said compensating means, and means operable by said compensating means at a preselected moment to cause movement of said Bucky grid at a uniform rate of speed during the entire time of actual energization of said X-ray tube.

2,486,090
PREPARATION OF ORGANIC THIOCYANATES
Benjamin Abramovitch, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 20, 1946, Serial No. 698,399
11 Claims. (Cl. 260—454)

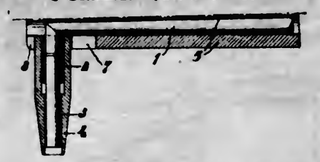
1. A process for preparing a hydrocarbon substituted thiocyanate which comprises reacting the corresponding mercaptan with a cyanogen halide in the presence of an equivalent weight of a member of the group consisting of the alkali metal and alkaline earth metal oxides, hydroxides and alkoxides in a liquid in which the members of said group are substantially insoluble.

2,486,091
CONTINUOUSLY FORMING FIBROUS MATERIAL
Douglas D. Adams, Karl Rollius, and John L. Risher, Canton, Ohio, assignors, by mesne assignments, of 76.89% to R. E. MacKenzie and 23.11% to L. V. Bockius
Application October 16, 1946, Serial No. 703,578
12 Claims. (Cl. 154—1)



4. Apparatus for continuously forming a multiple channel structure of laminated fibrous material, including means for feeding strips of the material continuously in superimposed relation to form a laminated strip, means for continuously applying adhesive to contiguous surfaces of said strips, means for continuously slitting said laminated strip into laterally adjacent strips, a plurality of sets of continuously moving mating dies arranged for progressively gripping opposite surfaces of said laminated strips and forming them into channels while feeding them forwardly, traveling cutter means for cutting said moving channels to length, means for applying adhesive to the adjacent surfaces of said cut channels, means for moving said channels into lateral abutment, means for continuously feeding a strip of said material over said abutting channels, and sets of continuously moving mating dies for progressively gripping the exposed surfaces of said strip and said channels to form the strip into a master channel spanning said abutting channels while feeding said overlying strip and abutting channels forward continuously.

2,486,092
WELDING ELECTRODE HOLDER
Bernardus Maria v. Amelsvoort, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 5, 1947, Serial No. 726,548
In the Netherlands April 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 26, 1964
6 Claims. (Cl. 219—8)

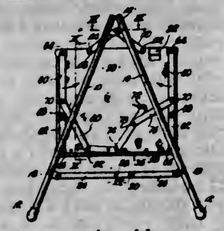


1. A welding iron for electric-arc welding of small workpieces, comprising an insulating handle, a supply electrode housed therein, a welding electrode positioned at an angle with respect to said insulating handle, resilient clamping means comprising a tubular member removably fastening said welding electrode at said angle to said supply electrode, an insulating mouthpiece surrounding said welding electrode, said mouthpiece being arranged at said angle with respect to said handle, second resilient clamping means carried by said handle and including an aperture into which said mouthpiece is axially inserted, the resiliency of said second clamping means being such that said mouthpiece may be manually adjusted in a direction toward or away from said handle or to be completely removed from said assembly without the use of a tool.

2,486,093
FOLDING CRIB
Alexander F. Amelung, Kansas City, Mo.
Application September 24, 1945, Serial No. 618,110
4 Claims. (Cl. 5—99)

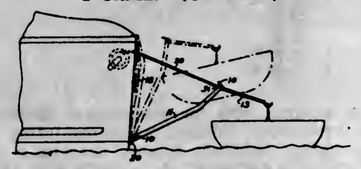
1. A folding crib comprising a support; a bed swingably carried by the support, said support including a pair of standards at each end of the bed, each pair of standards being pivotally interconnected at the uppermost ends thereof and having a sectional brace intermediate the ends of the standards, said sections having releasable interlocking means for holding the opposite ends of the standards in spaced relation; structure pivotally secured to said connection between the standards for joining the bed to the standards, said bed including a normally upper and a lower

polygonal frame member and a plurality of elements interconnecting the frames, said structure comprising a pair of links each having one end thereof pivotally secured to said upper frame, said elements each comprising a pair of sections having releasable interlocking means for holding the frames in spaced relation when the sections of each element are interlocked; a manually



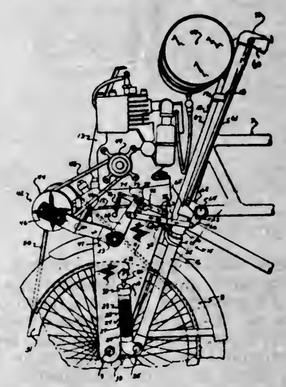
manipulable lever swingably mounted on said lower frame; and a link pivotally interconnecting one section of each element respectively and said lever for moving said elements to and from an interlocked position as the lever is swung, said frames being movable toward each other by said elements when the latter are shifted from the interlocked position.

2,486,094
STERN DAVIT AND BUMPER FOR BOATS
Frank I. Andrade, Fall River, Mass., assignor to Frank Mulveny, Fall River, Mass.
Application October 12, 1945, Serial No. 621,880
1 Claim. (Cl. 9—36)



In a davit for a boat having a sternboard with a centrally disposed opening through the upper edge, the combination which comprises a substantially rectangular-shaped frame having end members shaped to conform to the lines of the sides of the boat and having an upper strut shaped to correspond to the upper edge of the said sternboard, said upper strut having a flange positioned to extend over the upper edge of the said sternboard for nesting relation therewith when the davit is not in use whereby when not in use, the frame provides a bumper for the boat, the outer surfaces of the upper ends of the end members of the frame having recesses therein, means pivotally attaching the lower ends of the end members of the frame to the said sternboard, extension arms nested in the said end members of the frame and having hooks on the ends thereof, means pivotally mounting the ends of the said arms opposite to the ends carrying the hooks in the end members of the frame whereby the arms swing outwardly through the recesses in the upper ends of the end members of the frame and are retained in the outwardly extended position for use by the lower ends of the said recesses in the end members of the frame, and a cable attached to the said upper strut of the frame and extended through the opening through the upper edge of the said sternboard of the boat for retaining the frame in the nested position against the sternboard of the boat for use as a bumper and also for holding the frame suspended in the outwardly extended position for use as a davit.

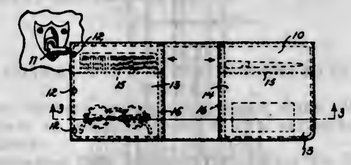
2,486,095
POWER DRIVE ATTACHMENT FOR BICYCLES
Werner E. Armstrong, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 30, 1946, Serial No. 658,538
7 Claims. (Cl. 180—33)



1. A power drive attachment for bicycles having a substantially upright frame member at the front thereof, comprising: a drive wheel to take the place of the front wheel of the bicycle; a substantially U-shaped supporting bracket having opposite side arms embracing and rotatably journalling the drive wheel, the closed end of the bracket providing a substantially flat horizontal platform over the drive wheel; an engine rigidly mounted on said platform to have its entire weight borne by the drive wheel; variable speed transmission mechanism carried by said bracket for drivingly connecting the engine with the drive wheel; a pair of elongated fork forming elements rigidly connected together in spaced apart side by side relationship; means connecting the bracket with said fork forming elements for motion of the bracket relative thereto in a direction lengthwise of the fork forming elements; spring means reacting between the bracket and said fork forming elements for yieldingly resisting such relative motion therebetween; attaching means on said fork forming elements providing for pivotally connecting the same to said upright frame member of the bicycle with said elements at laterally opposite sides of said bicycle frame member to rock about an axis substantially defined by the upright frame member, said fork forming elements being substantially longer than said frame member; a handlebar connected with said fork forming elements for turning the drive wheel therethrough; and transmission control means carried jointly by the bracket and said fork forming elements and having an actuator positioned adjacent to the top of the fork forming elements.

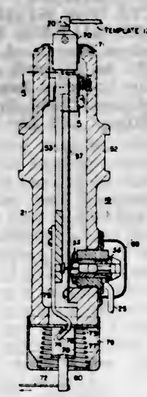
2,486,096
COVER FOR AUTOMOBILE VISORS
Joseph M. Axford and Mary S. Axford, Troutdale, Oreg.
Application August 13, 1947, Serial No. 768,332
3 Claims. (Cl. 224—29)

1. A motor vehicle sun visor cover including a supporting envelope comprising a substantially rectangular-shaped front panel, a rear panel secured to the front panel along two sides and across one end and with the opposite end of the cover open for receiving a sun visor whereby the visor may be enclosed within the cover, spaced fasteners in the panels for closing the open end of the envelope, and outer panels carried by the



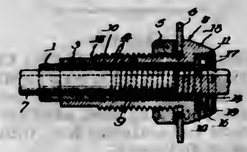
supporting envelope positioned on the outer surface of the front panel with edges thereof open providing access to pockets formed by the said outer panels, the edges of the outer panels being secured to edges of the visor cover.

2,486,097
CONTROL SYSTEM
Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application March 2, 1944, Serial No. 524,705
7 Claims. (Cl. 90—62)



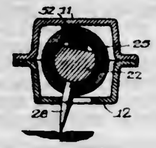
1. In a control system having a pattern guide, an improved tracer mechanism for the control system, comprising an air discharge device including a discharge means and actuating means, said discharge means having a sleeve portion and a valve portion movable relative to one another to variably discharge air from an air supply line to atmosphere, said actuating means comprising an elongated lever having a first end and a second end, pivot means to pivotally mount said lever at a point intermediate said first and second end, so that said first end of the lever pivots about a point on said lever, resilient means for supporting said lever at a point remote from said pivot means and for opposing movement of said lever from a predetermined position, means to drivingly interconnect said second end of the lever to one of said portions of the discharge means, said first end of the lever being adapted to contact said pattern, means to move said tracer mechanism relative to said pattern guide, whereby variable contact of the first end of the lever and the pattern will pivot said lever and thereby actuate said discharge means to vary the discharge of air therefrom to atmosphere.

2,486,098
CONTROL LOCK MECHANISM
Ernest W. Batterson, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan
Application September 20, 1945, Serial No. 617,524
1 Claim. (Cl. 74—503)



In a control device, a facing plate assembly, including a tubular body portion, the facing plate having an outwardly opening chamber therein of greater size than the internal cross-sectional area of the tubular body portion communicating with said tubular body portion, a spacer sleeve in said chamber adjacent its side walls, a longitudinally grooved rod slidably and rotatably received in the tubular body portion and extended into said chamber and through said spacer sleeve, a coiled spring within the tubular body portion engaged about an adjacent portion of said rod, a connecting washer slidably received in said spacer sleeve in said facing plate chamber rotatably and slidably engaged with and along the longitudinally grooved rod, one end of the coiled spring being connected to the tubular body portion and its remaining end connected to said connecting washer, and closure means engaged in the open end of said facing plate chamber retaining said spacer sleeve and connecting washer in the chamber.

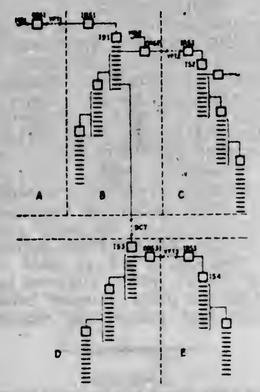
2,486,099
PHONOGRAPH PICKUP HAVING FULCRUM SUSPENDED DRIVE ARM
Benjamin B. Bauer, Oak Park, Ill., assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill., a corporation of Illinois
Application March 14, 1946, Serial No. 654,471
8 Claims. (Cl. 179—100.41)



1. In a mechano-electric transducer, the combination of a transducing element and a driving member engaged in motion-transmitting relationship with each other, forward and rearward bearing members supporting said driving member for angular oscillation about an axis, said driving member having means for engaging an arm extending from a side thereof and at an angle to said axis, flexible elastic bushings between said bearing members and said driving member, said bushings substantially filling the space between said bearing members and said driving member and being substantially uncompressed when said driver member is in the at rest position, whereby said driving member is adapted to undergo vibration in a transverse direction with respect to said axis, a flexible,

elastic fulcrum member attached to said driving member between said bearing members and projecting from a side of said driving member generally opposite to said before-mentioned side thereof and in a direction transversely of said axis, and means for fixing said fulcrum member at a portion thereof spaced from said driving member.

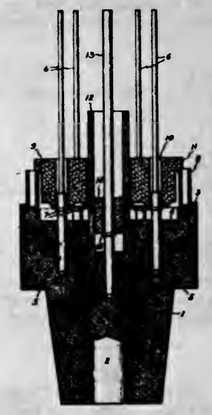
2,486,100
VOICE FREQUENCY SIGNALING CIRCUITS FOR TELEPHONE SYSTEMS
Charles Edmund Beale and Horace Edward Hopley, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application March 24, 1945, Serial No. 584,620
In Great Britain May 5, 1944
11 Claims. (Cl. 179—27)



1. In a telephone system employing voice frequency signals for controlling the setting up and supervision from an operator's position of connections over automatic switches, means for repeatedly transmitting at intervals a signal indicating that the called party has disconnected, said signal being terminated by breaking of the connection at the operator's position, means including a relay set controlled by an operation by the called party and also responsive to an operation on the part of the operator for altering the intervals between said signals, and means associated with the operator's position controlled by said alterations in said intervals.

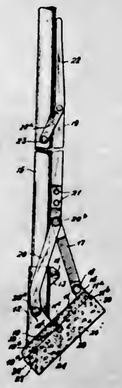
2,486,101
METHOD OF MAKING GLASS-TO-METAL SEALS
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 1, 1946, Serial No. 651,233
2 Claims. (Cl. 49—81)

1. The method of forming a header including a body of glass, a surrounding metal member and a plurality of lead-in conductors which comprises the steps of forming projections on the lead-in conductors, supporting the lead-in conductors in a fixture with said projections above the surface of the fixture, supporting the metal member from the fixture, supporting the glass body from the metal member by a flange of less thickness than the remainder of the glass body with said lead-in conductors received in openings in said body, and heating the assembly



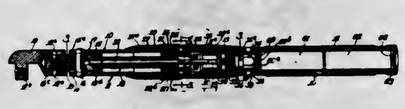
to melt the flange and allow the glass body to settle into engagement with the projections.

2,486,102
SPONGE TYPE MOP WITH TWO-PART HINGED BACKING PLATE
William E. Berndsen, Cleveland, Ohio, assignor of three-sixteenths to Richard A. Berndsen and three-sixteenths to Betty Jane Jorgensen
Application October 8, 1945, Serial No. 620,893
4 Claims. (Cl. 15—244)



1. A mop comprising, in combination, a pair of opposed backing plates each having end flanges, an outer side flange and inner side flanges extending from their respective end flanges with their inner ends spaced apart, the space provided between the inner ends of the inner side flanges of one of said plates being substantially coextensive with the space provided between the inner ends of the inner side flanges on the other of said plates, the last mentioned side flanges being provided with complementary hinge eyes and spaces therebetween, said complementary hinge eyes and spaces being formed in two longitudinally spaced portions of the said backing plates, a pintle extending through the aforesaid hinge eyes, a coil spring mounted on said pintle in the space between the inner ends of the inner side flanges and having ends adapted to engage respectively the inner walls of said plates, said coil spring being positioned intermediate the longitudinally spaced portions of the hinge so as to be retained on said pintle by the hinge sections, and a pad of liquid absorbent material detachably supported by said backing plates.

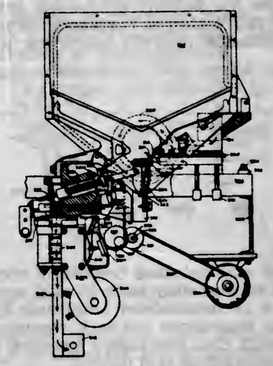
2,486,103
SIGNAL TYPE TORQUE INDICATING WRENCH
Henry Robert Billeter, Highland Park, Ill., assignor to Ammco Tools, Inc., a corporation of Illinois
Application December 2, 1943, Serial No. 512,560
22 Claims. (Cl. 81—52.5)



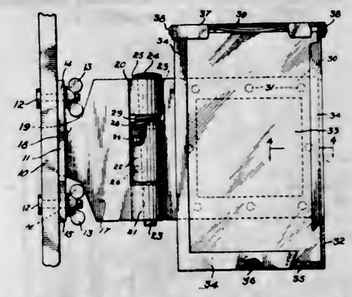
1. A torque indicating wrench comprising a pair of relatively movable members, one of which is a work-engaging member and the other a handle member, a resilient beam between said members and having one end fastened to and movable with said work-engaging member and its other end normally free and adapted to assume an abutting relation to said handle member upon initial relative movement of said members, means carried by said handle member and adjustable therealong relative to the free end of said beam for establishing the abutting relationship between said beam and handle member for transmitting an operating force from said handle member through the free end of said beam to said work-engaging member while maintaining a constant effective flexing length for said beam, a contact element carried by each of said members and adapted for engagement with each other beyond the free end of the beam when said members are relatively moved to an extent determined by the flexing of said beam subsequent to the free end of said beam moving into abutting relation to said handle member, adjustment of said force transmitting abutment means relative to the free end of said beam being adapted to vary the extent said contact elements must move to engage each other and, in turn, the pressure indicated.

2,486,104
CIRCUIT BREAKER
Donald I. Bohn, Pittsburgh, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 28, 1942, Serial No. 452,613. Divided and this application March 1, 1944, Serial No. 524,540
8 Claims. (Cl. 200—89)

1. In a circuit breaker for protecting an electric circuit having a fixed and a movable contact having a spring for normally biasing said movable contact to disengage said fixed contact, an electromagnet having an armature and connected to be responsive to current conditions in the electric circuit being protected, a flexible connection from said movable contact to said armature, a source of power interposed between said movable contact and said armature of said electromagnet for operating said movable contact while said electromagnet is energized against the biasing action of said spring to effect engagement of said contacts and for maintaining said flexible connection taut, said source of power being operable to loosen said connection from said movable contact to said armature whereby said armature may be operated by said electromagnet to engaged position with the pole face thereof without operating said movable contact.



2,486,105
REARVIEW MIRROR
Bernard E. Bonar, El Paso, Tex., assignor of one-fourth to Bernard R. Bonar and one-fourth to Byron L. Bonar, both of El Paso, Tex.
Application February 2, 1946, Serial No. 645,061
5 Claims. (Cl. 88—93)

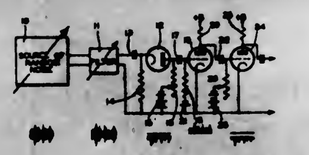


1. A train protection rear view mirror comprising a bracket plate positioned flat against the side of a cab and anchored at one end to the cab, said plate being formed with an arcuate slot at its other end, said anchored end forming a fulcrum for the plate, clamping means associated with the cab and slot for locking the plate in adjusted angular positions about the anchored end, a web portion projecting at right angles from said plate, a pair of vertically opposed and aligned sleeves carried by the outer end of the web, a mirror casing, a sleeve projecting from said casing and interposed between and aligned with said sleeves on the web, a pivot pin inserted through all of said sleeves and means operatively associated with said pin for retaining the casing in selected positions about the pin.

2,486,106
NOISE GENERATING SYSTEM
Robert H. Brown, Flushing, N. Y.
Application February 23, 1944, Serial No. 523,611
15 Claims. (Cl. 178—44)

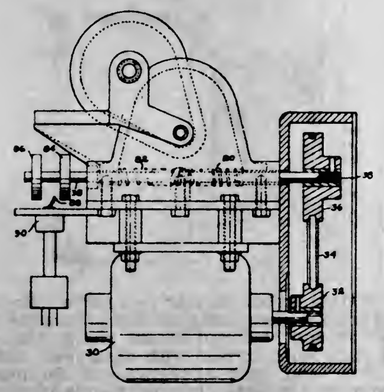
11. Means for generating random noise signals and controlling the frequency, density, and amplitude range of the components thereof including, a source of electrical disturbances such

as those caused by thermal agitation, shot effect, etc., a band-pass filter receptive of said electrical disturbances for passing only such components thereof as fall within a frequency band, a non-linear impedance network including a rectifier



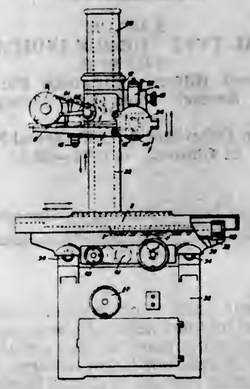
receptive of said selected frequency components and biased to pass only such of said components as exceed a predetermined amplitude level, and a nonlinear impedance network receptive of the output of said first mentioned network for non-uniformly expanding said output.

2,486,107
REMOTE CONTROL FOR REVERSING RECIPROCATORY TABLE DRIVES
Herbert L. Brump, Dayton, Ohio, assignor to A. Ray Lambert, Dayton, Ohio, doing business under the firm name of Ohio Units
Application August 22, 1944, Serial No. 550,618
10 Claims. (Cl. 74—27)



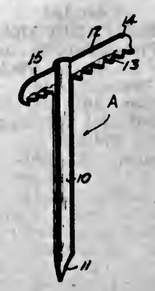
2. A work table reversing mechanism including a motor driving mechanism for translating rotary movement of the motor into linear movement actuating the work table, said driving mechanism including a worm gear meshing with a worm driven by the motor, yieldable means for maintaining the worm in axial alignment with the worm gear, said yieldable means permitting end thrust movement of the worm whenever the load increases, a switching mechanism for reversing the polarity of the motor, means responding to end thrust movement of the worm gear for actuating the switching mechanism to reverse the motor, resilient means including a member mounted upon a work table, and a fixedly mounted member in the path of the member mounted upon the work table for increasing the load when the member on the work table engages the fixed member to thereby cause end thrust movement of the worm to actuate the switching mechanism to reverse the polarity of the motor.

2,486,108
MACHINE TOOL AND THE LIKE
Jean Brunel, Saint-Etienne, France
Application May 22, 1947, Serial No. 749,822
In France May 23, 1946
8 Claims. (Cl. 51—93)



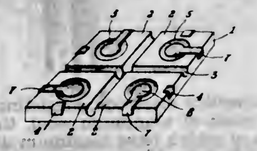
1. In a grinding machine tool and the like, the combination of an upright, a frame rigid therewith, a table and a carriage for carrying the work, supports rigid with the frame and constituting cylindrical bearings, trued cylindrical rods with ends of reduced diameter held inside said bearings, perforated bosses rigid with the table, bushes inside said bosses adapted to slidingly engage over the corresponding rods, rests rigid with the upper surface of the table and constituting cylindrical bearings, a second series of trued cylindrical rods with ends of reduced diameter rotatably engaging said bearings in said rests, means rigid with the underside of the carriage slidingly engaging the rods of the second series throughout the periphery thereof and means for controlling the sliding movements of the table and carriage.

2,486,109
FLOWER PICK
Angelo Brutocao, Louis Brutocao, and Leonard Brutocao, Toronto, Ontario, Canada
Application December 7, 1944, Serial No. 567,097
8 Claims. (Cl. 47—55)



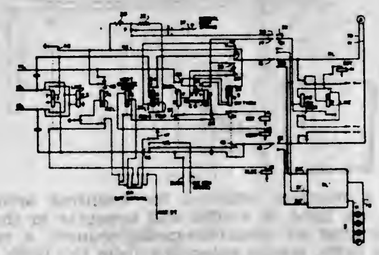
1. In a flower pick of the class having a shank adapted to align with and embrace the stem of a flower; a binding strip connected to said shank adjacent one of its extremities, the longitudinal axis of said binding strip extending at an incline to the longitudinal axis of said shank and being windable to spirally surround the stem of a flower aligned with said shank and firmly retain it in fixed relation thereto.

2,486,110
COMBINATION OF TWO OR MORE THAN TWO BLOCKING-LAYER CELLS
Roelof Dirk Bugel and Cornelis de Lange, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 24, 1945, Serial No. 618,330
In the Netherlands November 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1963
6 Claims. (Cl. 175—366)



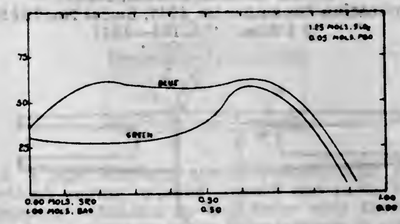
1. A blocking layer rectifier system comprising an electrically insulating supporting base, carbon layers positioned on said base in universal spaced relation and electrically insulated from each other, and a separate blocking layer cell in contacting relationship with each of said carbon layers.

2,486,111
BALANCING OF RING CUTOFF CIRCUIT FOR LONG AND SHORT LINES
Karl L. Burgener, Villa Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 12, 1946, Serial No. 715,738
11 Claims. (Cl. 179—84)



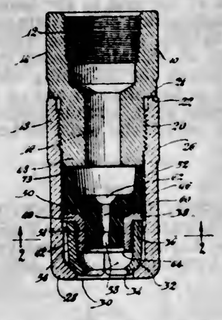
1. In a telephone system, subscriber lines having long line characteristics, other subscriber lines having short line characteristics, a connector switch having access to said lines, a differential ring cut-off relay in said switch having two windings, means responsive to the seizure of said switch for operating said relay, means for operating said switch to connect with a called one of said lines, a circuit for holding said relay operated over one of its windings after said connection, means for bridging the other winding of said relay across said called line and for connecting ringing current to the called line, means for energizing said other winding of said relay in response to the called subscriber answering to restore said relay to disconnect ringing current, compensating resistances in said connector switch, and means for including all of said resistances or only a portion of said resistances in said holding circuit dependent upon the characteristics of said called line for balancing the current flow through said two windings of said differential ring cut-off relay to assist in the restoration of said relay when the called subscriber answers.

2,486,112
BARIUM STRONTIUM LEAD SILICATE PHOSPHOR
Keith H. Butler, Marblehead, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 13, 1948, Serial No. 14,687
4 Claims. (Cl. 252—301.4)



2. A barium strontium lead silicate phosphor having up to about 0.8 mol of strontium for each mol of barium plus strontium, between about 0.01 mol to about 0.6 mol of lead, and between about 1 to about 2.5 net mols of silicic acid per mol of barium plus strontium.

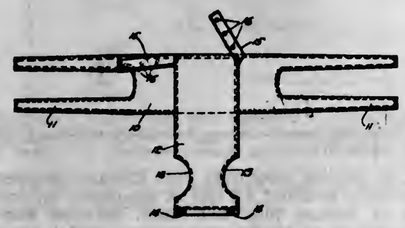
2,486,113
HYDRAULIC COUPLER
Thomas A. Campbell and Ernest G. Stock, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 22, 1947, Serial No. 793,130
7 Claims. (Cl. 285—168)



1. In a high-pressure coupler having a body, a tubular part threadedly attached to said body, said part and body having engaging surfaces to limit telescoping thereof, said tubular part having a tapered jaw-engaging surface, and a plurality of jaws movably located in said tubular part and having portions engaging said surface; the combination of a ring engaging an end of each of said jaws and having a forwardly projecting sleeve terminating in a fitting-engaging end, and a sealing member of rubber-like material having a cup-shaped portion confined between said ring and body and sealing the joint between said body and tubular part, said sealing member having a tubular tip of smaller diameter extending into said sleeve and terminating in a flat fitting-engaging end adjacent the fitting-engaging end of said sleeve, said sleeve limiting penetration of a fitting and cooperating with a fitting to prevent escape of said rubber-like material under maximum fluid pressure, said sealing member being exposed to fluid pressure and acting through said ring to cause said jaws to firmly grip a fitting through a substantial range of angular movement with a force proportional to

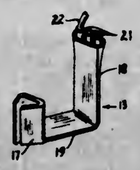
the fluid pressure, the fluid pressure acting on said sealing member also holding said flat end in sealing engagement with a fitting.

2,486,114
SAFETY BELT FOR INFANTS
Teresa Cataldo, Boston, Mass.
Application December 30, 1947, Serial No. 794,503
1 Claim. (Cl. 128—134)



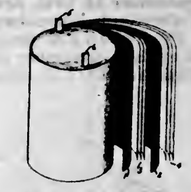
An infant's safety belt, comprising a band of flexible material having a tie at each end thereof, a rectangular strip of flexible material having one end marginally attached to the mid-portion of said band and adapted to extend at right angles downwardly and under the buttocks of the infant with its free end adapted to be passed up between the legs of the infant, said strip being approximately the width of the hips of the infant and having cut out portions at the leg-engaging sides of the strip, a pair of waist straps each secured at one end to the band at opposite sides of the connection of the strip therewith and adapted to overlap across the waist of the infant, a series of fastening means on each waist strap, and means for attaching each corner of the free end of the strip to one of the series of fastening means on its complemental waist strap to adjustably secure the waist straps in position on the infant.

2,486,115
ELECTRIC WIRE CONNECTION
Frank A. Chiuchiolo, New York, N. Y.
Application August 3, 1946, Serial No. 688,321
1 Claim. (Cl. 173—328)



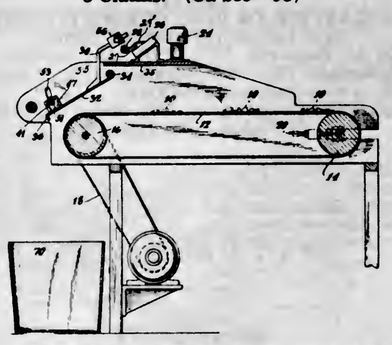
In a connector for connecting the bared ends of electrical wires to the projecting contact peg of an electronic tube or similar electronic element having a strip of metal including an intermediate portion and end portions bent at right angles to the intermediate portion and extended parallel to each other, a tubular socket portion formed on one of the end portions for receiving the projecting contact peg, a sleeve portion formed on the other end portion of the strip of metal, and a plurality of small sleeves anchored in said sleeve portion with their outer ends projecting slightly beyond the free end of said sleeve portion, whereby the bared ends of the electric wires may be extended into the open projected ends of said small sleeves and secured thereto.

2,486,116
ELECTRIC CAPACITOR
Frank M. Clark and Goldner F. Lipsey, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application October 5, 1945, Serial No. 620,586
7 Claims. (Cl. 175—315)



1. A capacitor electrode consisting of a weave of yarn made of aluminum wool, the individual filaments of which have maximum dimensions of about .001 inch by .0005 inch.

2,486,117
COUNTING MACHINE
Frederic Baylis Clark, Englewood, N. J., assignor to Consolidated Laundries Corporation, a corporation of Maryland
Application January 7, 1947, Serial No. 720,541
3 Claims. (Cl. 235—98)



1. A machine adapted for counting articles that are light in weight and irregular in shape comprising an electromagnetic counter, a rigid sheet baffle, means extending from the baffle for energizing the counter when the baffle is displaced angularly, means mounting the baffle pivotally, a horizontal conveyor terminating at the delivery end adjacent to but short of the baffle and at a level above the lower edge of the sheet baffle, the delivery end of the conveyor defining a free space between it and the said baffle, and means for moving the conveyor rapidly in the direction of the said baffle, so that light weight articles on the conveyor are thrown through space from the end of the conveyor against the baffle and the baffle is displaced angularly so as to energize the electromagnetic counter.

2,486,118
COUNTING MACHINE FOR LAUNDRY ARTICLES
Frederic Baylis Clark, Englewood, N. J., assignor to Consolidated Laundries Corporation, a corporation of Maryland
Application October 1, 1947, Serial No. 777,196
3 Claims. (Cl. 235—98)

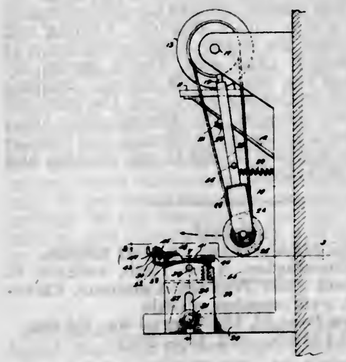
1. A counting machine for laundry articles and like articles comprising a counting mechanism,

spaced driven conveyor belts extending in their upper reaches generally horizontally, in the same plane, and defining a narrow space between adjacent edges of the belts, and a depressible trigger element for actuating the counting mechanism extending upwardly through the said space, being normally inclined in the direction of travel of the belts so as to promote sliding over the ele-



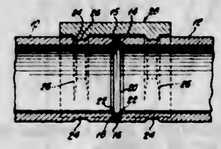
ment by articles carried by the belts against the element, and at the top portion of the element becoming approximately horizontal, so as to promote sliding off of the said articles from the element, the conveyor belts extending beyond the said top portion of the element so as to receive and pull forward articles sliding off the trigger element.

2,486,119
SEMIAUTOMATIC SICKLE GRINDER
Richard W. Coffeen, La Porte, Ind., assignor of fifty per cent to McKinley Howell, La Porte, Ind.
Application August 6, 1948, Serial No. 42,864
2 Claims. (Cl. 51—33)



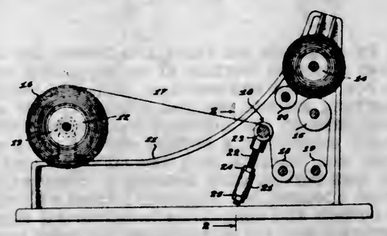
1. An apparatus of the character described comprising a frame, an arm pivoted to the frame at its upper end, a motor carried by the frame, a rotary grinding tool carried at the lower end of the arm, a belt interconnecting the grinding tool and the motor, a horizontal base for the frame, a work holder support vertically adjustable on said base, a toothed tool holding platform pivotally mounted on the support, means for latching the toothed tool in selected positions for contact of successive blades of adjacent teeth with the grinding tool and yieldable means for holding the toothed tool in frictional contact with said grinding tool, said means for latching the toothed tool in selected positions including a pivoted lever having a rounded portion adapted to engage successive pairs of conventional rivets in said toothed tool and a spring for normally urging said rounded portion against said rivets.

2,486,120
PIPE COUPLING ASSEMBLY
Dudley T. Colton, Martinsville, and Ralph L. Barbehenn, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application August 31, 1945, Serial No. 613,880
3 Claims. (Cl. 285—143)



1. A pipe coupling assembly comprising pipe sections having opposed, spaced end faces with chamfers extending to the inner wall thereof, said faces defining a joint therebetween, a packing member within said joint and separating said pipe sections, said packing member having arms lying against said chamfers and defining a central channel in communication with the interior of the pipe sections whereby said arms are pressed into sealing engagement with said chamfers by axially applied fluid pressure within said pipe sections, a detachable C-shaped coupling member partially surrounding said joint, and interengaging means on said pipe sections and coupling member to releasably interlock said pipe sections against endwise separation under the axially applied fluid pressure.

2,486,121
WEB SPREADING DEVICE
William H. Corn, Pisgah Forest, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application January 24, 1947, Serial No. 724,068
5 Claims. (Cl. 271—2.1)



1. A spreading device for avoiding wrinkles in a traveling web comprising a spreader member over which the traveling web may be trained, an extending strut element positioned substantially midway of said spreader member, a tie structure fixed on said spreader member adjacent the ends thereof and tensioned over said strut element to bow said spreader member, and means operable at one end of said spreader member for adjusting the extending position of said strut element to vary the force exerted through said tie structure and thereby adjust the degree of bow in said spreader member.

2,486,122
HAIR RINGLET HOLDER
Blanche Corubia, New York, N. Y.
Application September 6, 1945, Serial No. 614,638
7 Claims. (Cl. 132—46)

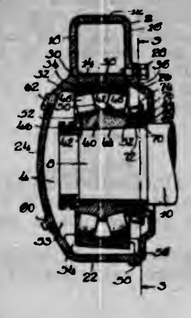
1. A holder for hair ringlets, comprising a piece of wire formed into several upwardly and down-

wardly pointing loops, the bends of the upward



loops being arranged in a circular line generally following an arc of a circle.

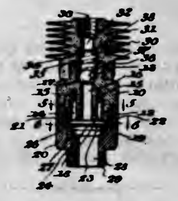
2,486,123
JOURNAL CONNECTION
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 15, 1944, Serial No. 545,050
7 Claims. (Cl. 105—219)



3. In a railway car truck side frame, top and bottom members merging at corresponding ends into box section end portions, each end portion comprising arcuate top and bottom chords and spaced inboard and outboard webs, said bottom member comprising a bottom chord sloping upwardly and merging with the bottom chord of each end portion and forming a continuation thereof, a journal box integrally formed with each end portion and comprising a cylindrical casing affording a seat for surrounding the outer member of an antifriction bearing and comprising a portion of the bottom chord of the associated end portion and merging with said bottom chord of said bottom member at its juncture with the bottom chord of the associated end portion, an integral closure for each casing closing the outboard end thereof and merging with the bottom chord of the portion forming a part of the casing, and a reinforcing gusset extending between each casing and said bottom chord of said bottom member and integrally connecting the same.

2,486,124
AIR COMPRESSOR VALVE DEVICE
Thomas E. Crockett, Tulsa, Okla.
Application February 2, 1946, Serial No. 645,037
2 Claims. (Cl. 277—61)

1. A valve device, comprising a relatively short tubular adapter having its side imperforate and provided with a main cylindrical axial passage extending through one end thereof, said passage having its outer portion internally threaded and its inner portion in the form of a chamber having a shoulder, said adapter being provided at its opposite end with a reduced extension for insertion within a spark plug opening, the reduced inner extension having an axial bore leading to the chamber, a relatively short body portion having generally the same length as the adapter, said body portion having a reduced externally threaded extension to engage within the screw threaded portion of the passage, said body portion having a central axial port passing through the inner end of the reduced extension and an annular passage surrounding the outlet port and passing through such inner end, said body portion having radial ports arranged outwardly of the adapter and leading into the annular pas-



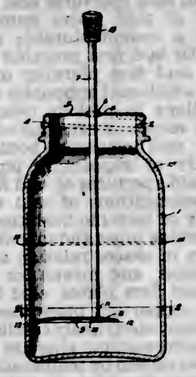
sage, a disc valve arranged within the chamber and guided by the same and having cut out portions at its edge and a central opening, the disc valve covering the annular passage when seated, a reduced externally screw threaded tubular extension carried by the end of the body portion remote from the adapter, a tubular coupling provided with an axial screw threaded recess for receiving the last named reduced tubular extension and having a bore and a shoulder, a check ball valve within the last named tubular extension to cover the central axial port, and a spring arranged within the bore of the tubular coupling and engaging the check valve and the shoulder of the tubular coupling, the arrangement being such that the adapter, body portion and tubular coupling are disposed in end to end relation and are readily separable.

2,486,125
SPACING MEANS FOR CARGO UNITS
George A. Cunnington, Avon, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 24, 1947, Serial No. 756,601
5 Claims. (Cl. 105—367)



1. The combination with a vehicle, of a cargo comprising a plurality of automobile frames with openings in the tops of their side rails and stacked upright therein on corresponding ends, a spacer member arranged horizontally between each pair of frames, and a pair of L-shaped hooks connected to each end of each spacer member adapted to be hooked into the opening, in said frame to support said spacer between each pair of frames against a movement in all directions irrespective of shifting of the cargo in transit.

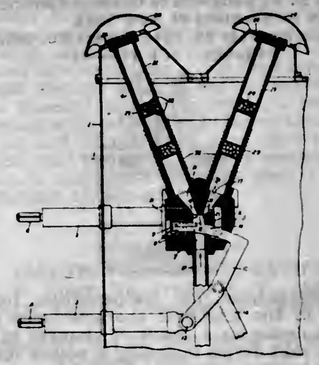
2,486,126
MIXER
Marye Dahnke, Chicago, Ill., assignor to Kraft Foods Company, a corporation of Delaware
Application April 9, 1945, Serial No. 587,339
1 Claim. (Cl. 259—113)



A mixer of the class described, comprising a receptacle having a constricted circular mouth portion and an enlarged body portion constituting a mixing chamber, an agitator embodying a shaft having a screw threaded lower end, and a rigid circular disc provided with a pair of tapped openings for selectively receiving the screw threaded end of said shaft to rigidly secure the disc to the shaft, one of said tapped openings being disposed substantially axially of the disc and the other eccentrically thereof so as to position the disc eccentrically of said mixing chamber but in spaced relation to the wall thereof at its nearest point, said disc being of a diameter only slightly less than that of said mouth so as to be insertable into and removable from said mixing chamber through said constricted mouth, the cross sectional area of said mixing chamber being substantially greater than the area of said disc so as to permit free turbulent liquid movement between the disc and wall of the receptacle upon reciprocation of the agitator in the receptacle, and cap means seatable on said receptacle mouth and provided with an opening slidably receiving said agitator shaft.

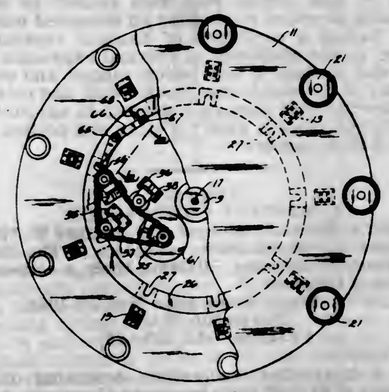
2,486,127
AIR BLAST ELECTRIC CIRCUIT BREAKER
David Reginald Davies, Sale, England, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application May 8, 1945, Serial No. 592,569
In Great Britain June 26, 1944
3 Claims. (Cl. 200—148)

1. A gas blast electric circuit breaker of the cross blast type comprising an insulating arc extinguishing chamber including a first passageway therethrough, a pair of relatively movable contacts adapted to draw an arc in said first passageway, a second passageway substantially transverse of said first passageway, means for supplying a blast of gas under pressure to said second passageway, and means for limiting the energy of the arc drawn between said relatively movable contacts comprising a pair of electrodes mounted in said second passageway downstream from said contacts, one end of each of said electrodes being spaced from said contacts and from the corresponding end of the other of said electrodes, the other end of each of said electrodes being more remote from said contacts than said one end, and conducting means respectively connecting said other ends of each of said electrodes to different contacts to define a loop circuit for



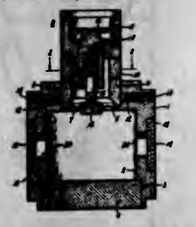
the current after transfer of the arc to said electrodes by the action of the gas blast during a circuit interrupting operation, thereby to limit the length and energy of the arc.

2,486,128
INTERMITTENT MOVEMENT
John V. Davis, Detroit, Mich., assignor to The Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application April 13, 1946, Serial No. 662,055
2 Claims. (Cl. 74—436)



1. An intermittent movement comprising a rotatably supported ring having a plurality of spaced slots extending outward from its inner circumference, an articulated endless chain comprising pin-connected links mounted substantially within the inner circumference of said ring, means for driving said chain, said chain having a portion of its length overlapping a surface of said ring, said portion having its ends coinciding substantially with two points of the inner circumference of said ring and spaced apart the distance between two of said slots, a driving member carried by and co-axial with one of said pins and movable in the path of travel of said pins and links of said chain, said driving member being adapted to enter one of said slots on entering said portion and to depart from said slot on departing from said portion.

2,486,129
TEMPERATURE COMPENSATING MECHANISM
Kenneth C. De Walt and Truman P. Curtis, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application July 26, 1946, Serial No. 686,578
2 Claims. (Cl. 172—44)



2. A mechanism for compensating for the changes in the electrical characteristics of an electrical device as a result of changes in temperature, said device including a hollow metallic structure having a flexible wall, said mechanism including a hollow elongated support having end portions formed of a material of one coefficient of thermal expansion and an intermediate portion bonded at opposite ends to said end portions and formed of a material having a coefficient of thermal expansion different from said end portions, said hollow metallic structure including a wall portion joined to said flexible wall, said wall portion having the same coefficient of thermal expansion as the end portions of said hollow elongated support, one of said end portions being joined to said wall portion adjacent said flexible wall and means for adjusting the positional relation of said flexible wall with respect to said metallic structure comprising an elongated member having a coefficient of thermal expansion equal to the coefficient of thermal expansion of the end portions of said hollow support and connected at one end to said flexible wall, and means connecting said elongated member in adjustable positional relation with the other end portion of said hollow support.

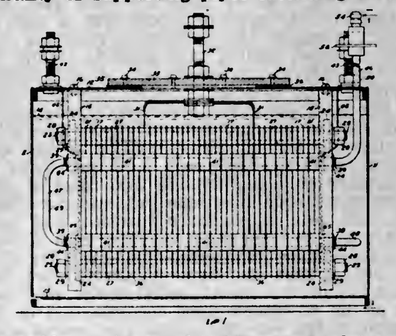
2,486,130
LUBRICANT COMPOSITION
Robert L. Dietrich, Midland, and Rexford W. Williams, Shepherd, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 26, 1948, Serial No. 29,406
4 Claims. (Cl. 252—26)

We claim:

1. A lubricating composition consisting of a mixture of 50 to 70 parts by weight of comminuted aluminum having a mesh size of 120 to 400; 20 to 30 parts of a metallic soap selected from the group consisting of the palmitate and stearate of one of the metals, potassium and sodium; and 10 to 20 parts of an oil selected from the group consisting of hydrogenated cottonseed oil, lard oil, and peanut oil.

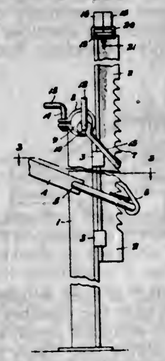
2,486,131
CAPACITOR WITH GROUNDED PLATES MOUNTED ON COOLING PIPES
Herman C. Dustman, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 21, 1945, Serial No. 636,462
1 Claim. (Cl. 175—41)

A capacitor comprising a casing, a dielectric in said casing, a plurality of suspension hangers, a plurality of bodies of insulating material, means for mounting said insulating bodies on said hangers, a plurality of substantially square metallic plates all provided with a plurality of circular apertures and of indentations of substantially larger size than said apertures and divided into a first plurality of said plates immersed in said dielectric and a second plurality of said plates interleaved with said first plurality of plates, the end plates of said first plurality of plates being provided with additional oppositely disposed marginal indentations to provide clearance for the said mounting means, means for supporting said first plates on said insulating bodies comprising a first plurality of supporting pipes extending through the said apertures of said first plates and through the indentations of said second plates, a first plurality of metallic bushings surrounding said first supporting pipes and interleaved between said first plates in spaced relation to the edges of said second plates, and means for pressing and maintaining said first plates, said first bushings and said first supporting pipes together in substantially constant electrically conductive relation regardless of dimensional changes of said first supporting pipes caused by temperature variations of said first supporting pipes including a first plurality of nuts and spring washers on said first supporting pipes, means for supporting said second plates on said hangers comprising a second plurality of supporting pipes extending through



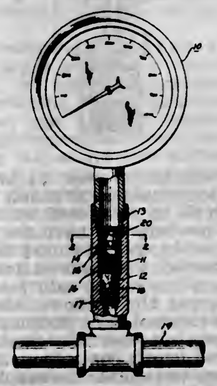
the said apertures of said second plates and through the said indentations of said first plates, a second plurality of metallic bushings surrounding said second supporting pipes and interleaved between said second plates in spaced relation to the edges of said first plates, and means for pressing and maintaining said second plates, said second bushings and said second supporting pipes together in substantially constant thermally and electrically conductive relation regardless of dimensional changes of said second supporting pipes caused by temperature variations of said second supporting pipes including a second plurality of nuts and spring washers on said second supporting pipes, and means for cooling said dielectric comprising a source of cooling fluid, a pipe section extending through said casing for connecting one of said second supporting pipes with said source, another pipe section extending through said casing to serve as an outlet for another of said second supporting pipes, and at least one pipe section interconnecting said second supporting pipes for causing a flow of cooling fluid from said source through the different said second supporting pipes, said pipe sections being immersed in said dielectric to cooperate with said second plates and said second supporting pipes in transmitting heat from said dielectric to said cooling fluid.

2,486,132
SHORE
Martin Edvin Edvinsson, Karlskoga, Sweden
Application June 10, 1948, Serial No. 32,191
In Sweden April 16, 1948
2 Claims. (Cl. 248—354)



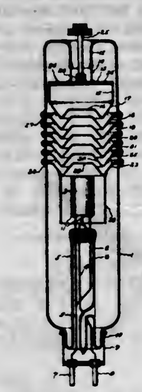
1. In a shore, a base member, a member adjustable lengthwise with respect to the base member to vary the length of the shore, and means mounted upon the base member and engaging the adjustable member to accomplish major lengthwise adjustment thereof and final micrometric lengthwise adjustment thereof comprising a cylindrical strap fast to the upper end of the base member, a cylindrical roller rotatable within said strap and having an eccentric aperture, a manipulable device having a horizontal arm fixed to said roller within said aperture and a bail depending from and one end of which is pivoted to said horizontal arm and the other end of which engages said adjustable member, said strap having manipulable means for closing the same upon said roller to fix the adjustment.

2,486,133
FLUID PRESSURE DAMPENING DEVICE
Charles J. Egger, Cleveland, Ohio, assignor to The Buckeye Laboratories Corporation, a corporation of Ohio
Application January 24, 1945, Serial No. 574,426
1 Claim. (Cl. 138—41)



A pressure peak dampening device to protect a pressure indicating instrument for a fluid system subject to pressure fluctuations, said pressure peak dampening device comprising an interconnecting member adapted for connecting between the said fluid system and the pressure indicating instrument, said interconnecting member having a chamber to provide a passage therethrough, a cartridge containing a fibrous glass wool wad to serve as an obstruction disposed in said chamber, said cartridge comprising a container open at one end and having perforations at another end, fibrous material in said cartridge, a perforated cap closing said open end and placing compressive force on said fibrous glass wool, said cartridge confining said glass wool under a predetermined pressure to control the total free area of passage therethrough for the said fluid.

2,486,134
ELECTRIC DISCHARGE DEVICE
Frank R. Elder, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application May 21, 1946, Serial No. 671,198
5 Claims. (Cl. 250—27.5)

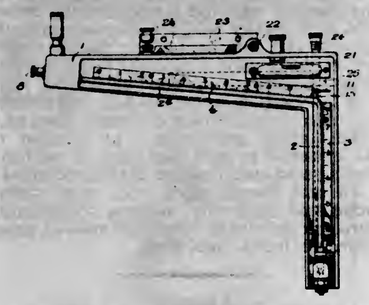


5. An electric discharge device comprising an envelope of insulating material, an anode and a cathode supported within said envelope in longitudinally spaced relation, an electrode extending transversely of said envelope and having an opening defining a discharge path between said anode and cathode, said envelope having an outwardly extending recess in the side wall thereof, said electrode having a resilient marginal portion received in and engaging the walls of said recess.

2,486,135
PRESSURE GAUGE HAVING A COMBINED INCLINED AND VERTICAL TUBE
Lewis M. Ellison, Winnetka, Ill., assignor to Ellison Draft Gage Company, Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1945, Serial No. 620,042
6 Claims. (Cl. 73—401)

4. In a pressure gage having a combined inclined and vertical tube, an inclined and a vertical tube scale slidably and adjustably mounted with respect to the tubes, a horizontally arranged rod secured upon the inclined scale, an apertured member secured to the upper end of the vertical scale and slidably engaging said rod, and means

for moving the inclined scale and rod and through



the latter's connection to the vertical scale simultaneously correcting the position of both scales.

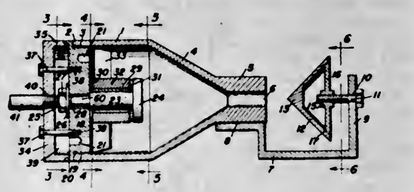
2,486,136
FRACTURE NAIL
Ernst Axel Johan Ericsson, Goteborg, Sweden
Application May 10, 1947, Serial No. 747,248
In Sweden September 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1965
3 Claims. (Cl. 128—92)



1. A fracture nail arrangement comprising in combination a nail stem adapted to be inserted in a bone; longitudinal ridges on said nail stem preventing turning of the same about its longitudinal axis; a nail head; means mounting said nail head on one end of said nail stem turnably about said longitudinal axis of the same; means on said nail for preventing movement of said nail head in direction of said longitudinal axis of said nail stem relative to said stem; and securing means movably attached at one end to said head and securable at the other end to said bone for preventing movement of said head in direction of said longitudinal axis of said nail stem thereby preventing sliding of said nail stem in axial direction after having been inserted in the bone.

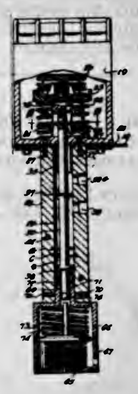
2,486,137
FUEL OIL BURNER WITH STEAM AND OIL MIXING MEANS
Thomas J. Evans, Berkley, Va., assignor of fifty per cent to Howard G. Privett, Norfolk, Va.
Application June 4, 1947, Serial No. 752,495
1 Claim. (Cl. 158—75)

A fuel burner comprising a tubular body open at one end and being frusto-conical shape adjacent its opposite end, said opposite end terminating in a thickened annular discharge nozzle, said open end being internally threaded, a cylinder head, having a plurality of circumferentially arranged annularly disposed fuel inlet passages, detachably threaded in the open end, an annular flange on the outer end of the cylinder head engageable with the peripheral edge of the open end, a flange longitudinally extending rearwardly from the annular flange, a cap member detachably supported on said cylinder head and having an outwardly projecting shoulder engageable with the longitudinally extending flange for defining



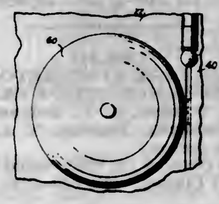
a leak-proof joint, a fuel supply inlet pipe extending through said cap member, a shaft secured centrally to said cylinder head, a turbine rotatably supported upon the shaft and disposed in advance of the cylinder head whereby fuel discharged from the passages of said head will rotate the turbine, a pressure chamber defined by said frusto-conical portion of said body between the turbine and nozzle end, and a mixing chamber defined by said cylinder head and said cap member.

2,486,138
WATER CONTROL VALVE AND SYSTEM FOR EVAPORATIVE COOLERS
Archie S. Feinberg, Dallas, Tex.
Application May 21, 1948, Serial No. 28,285
11 Claims. (Cl. 261—39)



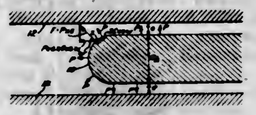
4. In an evaporative cooler, a plurality of filter mats having individual water supply lines; a valve body adapted to be connected with a source of water under pressure and having a series of discharge ports to which said supply lines are individually connected; a plunger reciprocable in said valve body and controlling said ports; a pair of counteracting gas filled bellows, one of which is responsive to external dry bulb temperatures, the other is responsive to wet bulb temperatures; said pair of bellows jointly controlling the movement of said plunger to regulate the supply of water to said mats so that the evaporative efficiency of said cooler becomes a function of the outdoor dry bulb and wet bulb temperatures.

2,486,139
ALARM BELL
Dave Feldman, New York, N. Y., assignor of one-half to Melvin Sommers, New York, N. Y.
Application November 26, 1948, Serial No. 62,139
5 Claims. (Cl. 116—93)



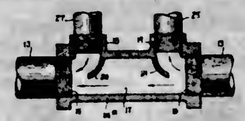
1. An alarm signalling mechanism of the character described comprising a frame, a thrust bar on said frame which is movable longitudinally of itself in either direction, a spring connected to said thrust bar for urging it in one direction, a post in the center of the frame, a gong supported on said post, a gear segment oscillatably mounted on said post, a tongue on said gear segment engaged by said thrust bar for oscillating said gear segment as the thrust bar reciprocates, a pinion rotatably mounted on said frame for engagement with said gear segment, an escapement wheel fixedly connected to said pinion, an escapement mounted on said frame for engagement with said escapement wheel, a clapper integral with said escapement and a gong supported by said frame for engagement with said clapper.

2,486,140
ELECTROSTATIC GENERATING AND DRIVING MACHINE
Noël Felici, Grenoble (Isere), France, assignor to Centre National De La Recherche Scientifique, Paris, France, a public establishment of France
Application February 11, 1946, Serial No. 646,737
In France November 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 8, 1964
18 Claims. (Cl. 171—329)



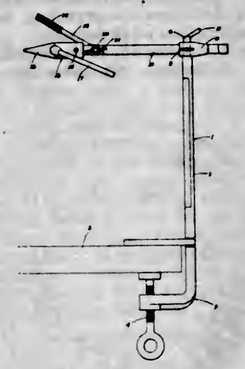
1. In an electrostatic machine, a conductive electrode having a substantial extent of active face surface, a second conductive electrode having a substantial extent of active face surface, at least one of said electrodes being mounted for movement relative to the other electrode to bring said active face surfaces into and out of opposed parallel spaced relation to one another, said electrodes each having a substantial thickness perpendicular to the face surface thereof and each being provided along the edges of its active face surface with edge surfaces that are profiled in a plane perpendicular to the face surface so as to form a smooth curve which merges tangentially with said face surface and is convex with respect to said electrode, the shape of the profile of said edge surface being that which provides a substantially uniform distribution of the electrostatic field about said edge surface at an intensity not substantially exceeding the intensity of the electrostatic field between the opposed face surfaces of said electrodes.

2,486,141
DIVERSION FITTING FOR HOT-WATER HEATING SYSTEMS
Salvatore J. Folle, East Haven, Conn., assignor to The Mel Products Company, a corporation of Connecticut
Application October 10, 1946, Serial No. 702,448
1 Claim. (Cl. 138—37)



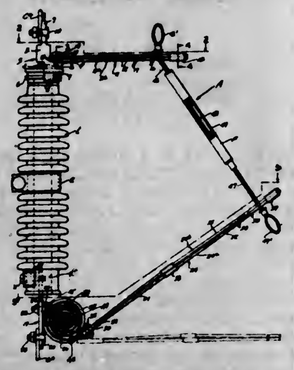
As a new article of manufacture, an integral one-piece diversion-fitting for one-pipe hot-water heating systems having a main-inlet passage, a main-outlet passage and a main-passage interconnecting the same; the said diversion-fitting also having a diversion-outlet passage and a diversion-return passage both laterally intersecting the said main-passage; the diversion-fitting being further provided with two oppositely-sloping diversion-lips disposed transversely of said main-passage, said lips comprising cylindrical surfaces of revolution formed integrally with one side of said diversion-outlet passage and one side of said diversion-return passage respectively and arranged to project laterally substantially halfway across the said main-passage the free ends of said transversely disposed lips being terminated at the intersections of the longitudinal axis of said main-passage with the longitudinal axes of said diversion-outlet passage and said diversion-return passage respectively to respectively divert hot water out of and back into the said main-passage of the diversion-fitting.

2,486,142
FISH FLY MAKING VISE AND HOLDER
Bennie T. Fong, Lodi, Calif
Application January 21, 1947, Serial No. 723,409
1 Claim. (Cl. 42—1)



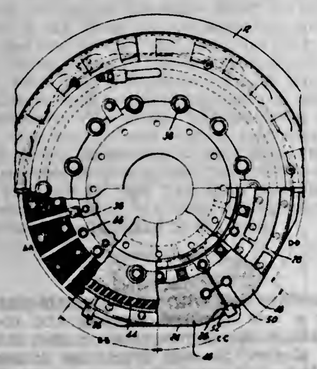
In combination with an adjustable arm supporting a vise disposed thereon and co-axially therewith, a finger mounted on the arm rearwardly of the vise and projecting forwardly at an angle to but generally in the same direction as the vise and spaced laterally of the vise, a coiled spring fitted on the outer end of the finger co-axially therewith, the coils of the spring projecting beyond the end of the finger whereby a portion of the spring may flex laterally with respect to the axis of the finger.

2,486,143
ELECTRICAL CUTOUT
Charles Adin Fox, Oakland Village, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 9, 1946, Serial No. 668,376
10 Claims. (Cl. 200—117)



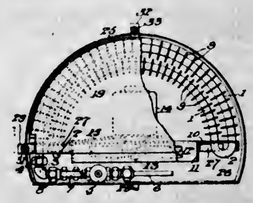
1. An electrical cutout comprising an insulating supporting structure including spaced terminals, contact arms associated with said terminals, one of said contact arms being movable in a direction away from the other contact arm, and a fuse link engaged by portions of said contact arms and maintained under tension while in the fusing position by the tendency of said one contact arm to move in a direction away from the other contact arm, said one contact arm being composed in part of a pair of structurally distinct contact arm members having fuse link gripping portions which engage said fuse link.

2,486,144
DISK BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 13, 1943, Serial No. 510,120
5 Claims. (Cl. 188—72)



1. A disk brake comprising a rotating disk and a non-rotating disk, at least one of which is constituted by a plurality of separate segments spaced sufficiently from one another to permit substantially free individual expansion of the segments under the influence of heat, a plurality of members interconnecting adjacent segments to retain the several segments in self-supporting disk form, and a plurality of torque-taking members each of which is located in an opening formed in the adjacent ends of two adjacent segments and each of which during braking serves as the sole torque-taking means for one of said adjacent segments.

2,486,145
SEMICIRCULAR EVAPORATOR COIL COMBINED WITH A FAN
George Frie, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application October 25, 1945, Serial No. 624,345
7 Claims. (Cl. 62—129)



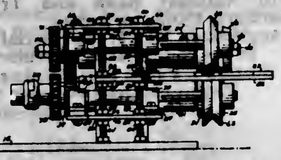
1. A unit of the character described comprising, a header plate provided with a fan opening and with apertures at opposite sides thereof, a substantially semicircular coil having its ends mounted in said apertures, a fan motor mounted on said plate and located between the plate and the coil, and a fan mounted on the motor shaft and positioned adjacent said fan opening whereby the header plate serves to support the coil, the motor and the fan, and the motor is positioned within the semicircle formed by the coil.

2,486,146
PRESSURE RESPONSIVE TRANSDUCER
Clifford Frondel, Cambridge, Mass., assignor to Cambridge Thermionic Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1948, Serial No. 52,374
7 Claims. (Cl. 177—386)



1. A piezoelectric gauge for measuring pressure transients in a fluid comprising a plurality of piezoelectric elements connected in parallel, two relatively stiff electrical leads insulated from each other, a supporting member connecting the respective element sides of one electrical polarity to one of said leads, an inner core of wax-like material surrounding said elements and said supporting member, a thin layer of electrical conducting material covering said core and linking the respective element sides of the other polarity with the other of said leads, and an out protecting sheath of insulating material covering said conducting layer.

2,486,147
CORNER RIGHT, SHEAR AND BENDING MACHINE ASSEMBLY
Carl F. Fuller, Sacramento, Calif.
Application March 20, 1947, Serial No. 735,921
1 Claim. (Cl. 153—28)



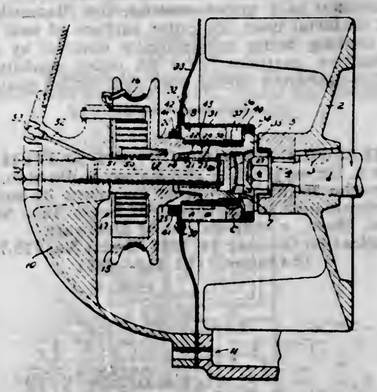
In a bending machine having a base, posts secured to and extending upwardly from the base in vertical relation thereto, an apertured spacing block on said posts, an apertured plate on the posts above said spacing block, an apertured lower shaft housing on the posts above said plate, elongated upper and lower apertured plates on said posts above said shaft housing, an apertured upper shaft housing on the posts above said upper and lower apertured plates, a top apertured plate on said posts above said upper shaft housing, means on said posts to retain said block plates and housings in fixed relation to each other, the improvement comprising threaded posts carried by said base in vertical relation thereto and passing through the outer ends of said plates, bearing brackets carried by said first plate and said top plate, crimping roll shafts extending through said bearing brackets, crimping rolls carried on said shafts, the lower plate of said upper and lower plate having an opening therein to receive the rolls and forming a table on which material to be crimped can be fed to said crimping rolls, sprockets on the ends of said crimping roll shafts, opposite to said crimping rolls, chain drive connections on said sprockets for the rotation of said crimping roll shafts, means on said threaded posts adapted to engage said plates whereby said plates may be leveled or adjusted to proper height of operation and to permit the loosening or tightening of the chain drive for lost motion adjustment.

2,486,148
ELECTRIC HEATING ELEMENT
Theodore William Glynn and Charles Richard Venable, Kingsport, Tenn., assignors to Blue Ridge Glass Corporation, Kingsport, Tenn., a corporation of New York
Application March 19, 1946, Serial No. 655,619
1 Claim. (Cl. 201—73)



A heating element comprising a glass plate having deposited thereon a grid of converging bars connected in series and separated from each other by spaces of uniform width, the said several bars having greater resistance on one side of the medial line transverse to the bars than on the other.

2,486,149
SPRING CLUTCH AND ENGINE STARTER MECHANISM
Stanley F. Gorske, Indianapolis, and Carl P. Pepper, Plainfield, Ind., assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind., a corporation of Indiana
Application December 27, 1948, Serial No. 67,522
7 Claims. (Cl. 123—185)

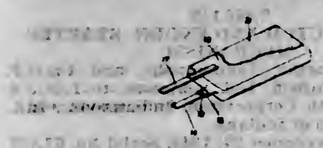


1. An engine starter mechanism of the type having a rotary member permanently associated with the engine crankshaft and adapted to be turned in one direction from an initial position for starting the engine and be returned automatically to initial position after each starting impulse, said mechanism comprising a circular driving clutch drum permanently coupled with said rotary member, a coaxial circular driven clutch drum adjacent the driving drum and connected with the crankshaft for imparting starting torque thereto, a circular brake drum coaxial with the clutch drums, and a helical clutch spring bridging the three drums and having relatively reversely acting one-way-locking i. e. overrunning and snubbing friction connections with the driving drum and brake drum respectively for causing clutching and release of the spring coils relative to the driven drum consequent upon turning of the driving drum in the engine starting and return directions respectively, the overrunning connection of the spring with the driving drum enabling said rotary member to be returned immediately toward said initial position after each engine-starting impulse.

2,486,150
PIEZOELECTRIC TRANSDUCER AND METHOD FOR PRODUCING THE SAME
Charles K. Gravley, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1947, Serial No. 795,103
14 Claims. (Cl. 171—327)

1. A piezoelectric transducer comprising: a piezoelectric element having nonconductive ex-

ternal surfaces; an under coating over at least some of said surfaces containing finely divided electrically conductive particles having such form and intimacy of contact as to provide a suitably conductive base for electroplating; a cohesive material in said under coating; filamentary ma-



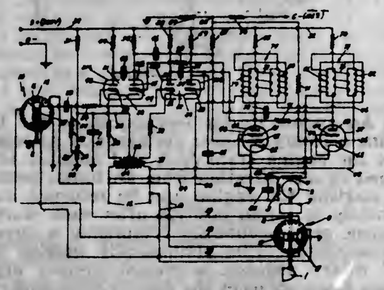
terial in said under coating to reenforce and strengthen said under coating, the filaments of said material near the outer surface of said under coating being substantially covered by said conductive particles; and an outer coating of electro-deposited metal over said under coating.

2,486,151

ELECTRIC MOTOR CONTROL SYSTEM

Fritz A. Gross, Weston, and Robert B. Darden, Jr., Newton Highlands, Mass., assignors, by mesne assignments, to Raytheon Air Beam, Inc., Newton, Mass., a corporation of Delaware

Application October 14, 1947, Serial No. 779,746
12 Claims. (Cl. 318—282)



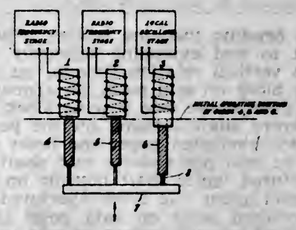
10. In a sector scan system, a driven member adapted to be driven back and forth through a sector, a two-phase motor for driving said member through said sector, means for generating an alternating voltage in response to a deviation of said driven member from a predetermined position, said voltage being reversible in phase sense depending upon the direction of said deviation, a pair of saturable reactors each having at least a direct current saturating winding and an alternating current winding, said reactors being adapted to act as closed alternating current switches in response to the flow of direct current through the saturating windings thereof, means connecting the alternating current winding of one of said reactors between a source of alternating current and one motor winding, means connecting the alternating current winding of the other reactor between said source and the other motor winding, a pair of controllable gas discharge tubes, one of said tubes being connected in series between a source of direct current and each of said saturating windings, and means responsive to the phase sense of said alternating voltage for causing a corresponding one of said tubes to conduct to thereby cause direct current to flow through the corresponding reactor saturating winding.

2,486,152

UNICONTROL PERMEABILITY TUNING DEVICE FOR SUPERHETERODYNE RECEIVERS

Frederik Hendrik Gaudorf, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 9, 1946, Serial No. 668,534
In the Netherlands December 5, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1960
4 Claims. (Cl. 250—40)



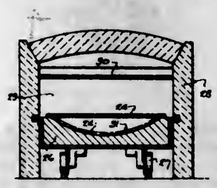
1. A unicontrol permeability tuning device for a superheterodyne receiver having a plurality of radio frequency stages and a local oscillator stage, said device comprising a plurality of identical solenoid inductances for tuning said radio frequency stages, a plurality of identical insertable magnetic cores for varying the values of the respective inductances, a solenoid inductance element for tuning said oscillator stage and having a length exceeding the length of said inductances, a magnetic insertable core member for varying the value of said element and having a length exceeding the length of said cores, and control means mechanically connecting said cores and said member for simultaneous movement, said core and said member being arranged relative to said control means so that at the initial position of said control means said cores are entirely withdrawn from their associated inductances and said member is partially inserted in said element.

2,486,153

METHOD OF BENDING A PLURALITY OF GLASS SHEETS SIMULTANEOUSLY

James D. Gwyn, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 6, 1945, Serial No. 586,856
11 Claims. (Cl. 49—84)



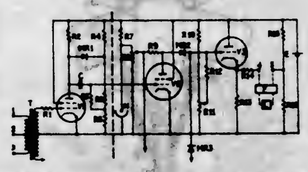
1. In a method of bending a plurality of glass sheets simultaneously, the step of applying a layer of parting material to a surface of at least one of said sheets prior to bending by coating said surface from an anhydrous suspension of a water-soluble material that remains water-soluble solid and inert to glass at the bending temperatures of glass.

2,486,154

ELECTRONIC IMPULSE GENERATOR

Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware

Application December 18, 1943, Serial No. 514,842
In Great Britain December 23, 1942
7 Claims. (Cl. 250—27)



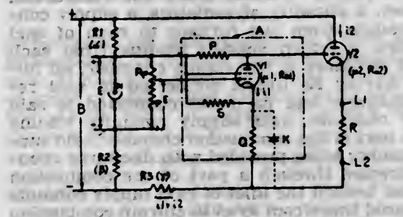
3. Apparatus, having input and output branches which is arranged to produce in its output branch a direct current having an average value proportional to the frequency of a source of alternating current connected to its input branch, comprising a source of direct current, a condenser, a pair of resistors, a circuit for charging said condenser from said source of direct current in series with one of said resistors, a circuit for discharging said condenser in series with the other of said resistors, means controlled by the alternating current wave in the input circuit for causing said condenser to be charged and discharged in said circuits at least once for each cycle of the input wave, a voltage responsive device connected between the condenser and the output branch, said device controlled by the voltage across the condenser for producing in the output branch a square wave impulse of fixed amplitude and time duration for each cycle of charge and discharge of the condenser.

2,486,155

VOLTAGE REGULATING ARRANGEMENT

Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 27, 1944, Serial No. 537,673
In Great Britain June 10, 1943
2 Claims. (Cl. 323—22)



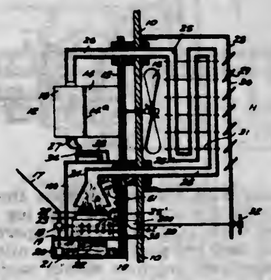
1. An electronic voltage regulator comprising a supply circuit having positive and negative terminals; a load circuit having positive and negative terminals; a space discharge device having a cathode, an anode, and a grid; said anode and cathode being connected to the positive terminals of the supply circuit and the load circuit, respectively; a first resistor connected between the negative terminals of said circuits; a second resistor connected in a circuit across the negative and positive supply terminals; a direct current amplifier tube having a control grid and an anode; said anode connected to said first grid so as to impress a control potential thereon, said control potential having two oppositely poled components; said control grid connected to said resistors so as to cause one of the oppositely poled components to vary in proportion to the load current through the first resistor and the other poled component to vary in proportion to the supply circuit voltage across the second resistor to thereby render the load circuit voltage constant independent of the load current and the supply circuit voltage; a glow discharge tube in series with the second resistor across the positive and negative supply circuit terminals; a voltage divider connected directly across the said glow discharge tube, said control grid connected to said voltage divider in such a manner as to permit variation of the load circuit voltage to any desired value.

2,486,156

HEATER

William D. Hall, Elkins, W. Va.

Application October 1, 1943, Serial No. 504,622
12 Claims. (Cl. 237—33)



5. An automobile heater comprising a gasoline tank and combustion chamber mounted adjacent each other in the engine compartment of the automobile, a wick wetted at one end in said tank and adapted to burn at its other end in said combustion chamber, an exhaust pipe for said combustion chamber which passes through the fire wall of the automobile into the passenger compartment where it passes back and forth to sufficient extent to act as a radiator, said exhaust pipe extending back out of said passenger compartment into the engine compartment, a suction blower in the engine compartment for creating suction on the end of said exhaust pipe that extended back out of the passenger compartment, a circulating fan for blowing air over said radiator, a common motor for driving said suction blower and said fan, and a control knob for controlling energization of said motor; said combustion chamber defining air inlet holes therein for admitting air to support combustion, the said holes being of such limited size as to prevent combustion from taking place in said chamber in event said suction blower stops.

2,486,157

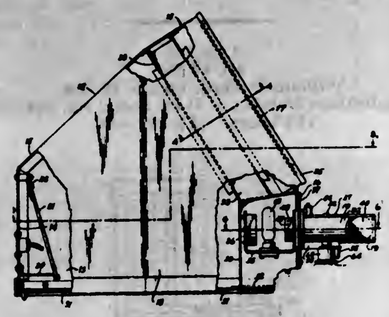
PROJECTION MICROFILM READER

John Halahan, Jackson Heights, and Floyd A. Lyon, Hillside Heights, N. Y., and Lynn H. Mortimer, Caldwell, N. J., and Theodore F. Aronson, St. Albans, N. Y., assignors, by mesne assignments, to Bell & Howell Company, a corporation of Illinois

Application February 26, 1947, Serial No. 730,895
6 Claims. (Cl. 88—24)

1. In a device of the character described, the combination of a cabinet provided with an upper front wall portion formed by a viewing screen

and a lower front wall portion having a projection aperture disposed intermediate the sides of said cabinet and a light aperture disposed adjacent a side of said cabinet, mirror means within and at the back of said cabinet for reflecting light from said projection aperture to said screen, a light source within said cabinet and adapted to project light forwardly through said light aperture, a tubular member associated with said cabinet and provided with an intermediate portion and two leg portions spaced along said intermediate portion and extending correspondingly laterally therefrom and disposed horizontally in front of said lower front wall portion with the intermediate portion thereof spaced forwardly from



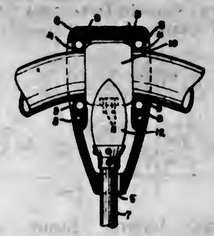
the same and with the leg portions thereof extending rearwardly and one of said leg portions being alined with said projection aperture and the other of said leg portions being alined with said light aperture, mirrors within said tubular member and respectively disposed at the junctures of said intermediate and leg portions and disposed at such angles as to reflect light from said light source through said projection aperture, a film holder associated with said projection aperture in front of and adjacent said lower front wall portion, a projection lens associated with said projection aperture and disposed rearwardly of said film holder, and condensing lens means associated with said tubular member and arranged between said light source and film holder.

2,486,158
PNEUMATIC KITE
Milford Haas, Brooklyn, N. Y.
Application May 5, 1948, Serial No. 25,125
4 Claims. (Cl. 244—33)



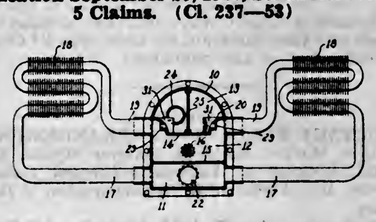
1. A hollow kite constructed of similar sections of sheet material secured together along their outer matching edges and along internal edges to provide a hollow outer frame and a central longitudinal hollow bar, the body being formed with airfoils between said central bar and the outer frame thereof, and being inflatable with air or buoyant gas.

2,486,159
LAMP SUPPORT
Roger W. Haven, Winchester, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 15, 1946, Serial No. 654,563
5 Claims. (Cl. 240—51.12)



1. In combination, a curved tubular electric lamp with its ends adjacent to and facing one another; a base for said lamp encircling and connecting the adjacent ends thereof; and a holder through which said lamp may be supported, said holder comprising a shell having an opening therein adapted to loosely receive a portion of said lamp and its base and resilient means disposed within said shell for frictionally engaging said lamp.

2,486,160
HEATING SYSTEM
Theodore A. Holmberg, Stamford, Conn.
Application September 20, 1947, Serial No. 775,171
5 Claims. (Cl. 237—53)

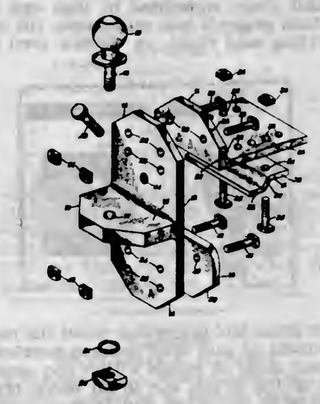


4. In a heating system, a furnace having a combustion chamber, a supply chamber thereabove, a return chamber below the combustion chamber, a plurality of radiators, a supply conduit leading from the furnace to each of said radiators, a return conduit leading from each of said radiators to the return chamber, an impeller having its intake connected to said return chamber and its outlet connected to said supply chamber, said supply conduits leading from a part of the combustion chamber, said supply chamber being provided with discharge openings directed through a part of the combustion chamber toward the inlet of said supply conduits but spaced therefrom so as to entrain combustion gases in the combustion chamber, and a baffle in said supply chamber adjacent each of said discharge openings to direct the gases thereinto.

2,486,161
TRAILER HITCH
Harold P. Hughes, Canton, Ohio
Application May 9, 1947, Serial No. 746,959
9 Claims. (Cl. 280—33.44)

1. A trailer hitch for attachment to the rear bumper of a draft vehicle for supporting a coupling member for cooperation with another coupling member on the tongue of a trailer, and comprising a flat hitch plate for mounting in

vertical position against the rear surface of the bumper, a lower clamping plate upon the hitch plate for clamping the lower edge portion of the bumper against the hitch plate, an angular member having a vertical flange adjustably connected to the upper portion of the hitch plate upon



the front side thereof and having a forwardly disposed substantially horizontal flange extending over the top of the bumper and an upper clamping plate adjustably mounted upon said forwardly disposed flange for clamping the upper edge portion of the bumper against said forwardly disposed flange.

2,486,162
ORGANO-SILOXANES
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application February 26, 1942, Serial No. 432,528
1 Claim. (Cl. 260—46.5)

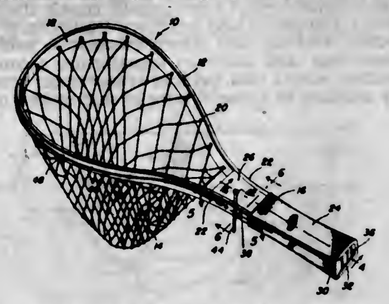
A copolymeric organo siloxane consisting of hydrocarbon-substituted silicon units which correspond to the formulae

$$(C_6H_5)_3Si\equiv \text{ and } (CH_3)_3Si\equiv$$

respectively, the free valences of which are interconnected by oxygen atoms of siloxane linkages, said oxygen atoms satisfying the remaining valences of said silicon atoms in said units, and the atomic ratio of oxygen to silicon in said siloxane being 1.3 to 1.

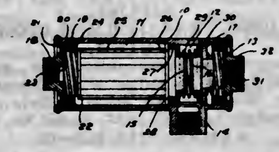
2,486,163
DIP NET
Robert E. Jennings and Howard K. Snyder, Reno, Nev.
Application February 6, 1948, Serial No. 6,674
1 Claim. (Cl. 43—11)

A dip net comprising a looped net, a light weight corrosion-resistant metallic arcuate band having a plurality of apertures therethrough, a pair of spaced arms integral with said band, the loops of said net being positioned through the apertures provided in said arcuate band, a flexible keeper wire receivably engaging said loops and encircling said band, a corrosion-resistant light-weight handle, said handle including a grip handle on one end and a recessed portion on the other positioned between said arms, and fastening pins extending through said arms and said recessed portion, said arms and said recessed portion having registering openings for remov-



ably retaining the ends of said keeper wire in said arms and in said handle.

2,486,164
VALVE
Jack Jerome, Little Neck, N. Y., assignor, by mesne assignments, to Manning, Maxwell, and Moore, Inc., New York, N. Y.
Application May 17, 1945, Serial No. 594,198
7 Claims. (Cl. 277—60)

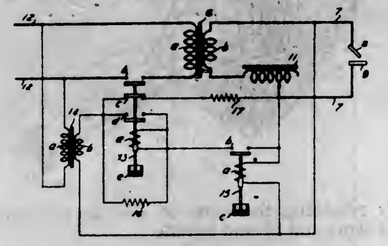


1. In a valve construction, in combination, a valve body having a pressure inlet port connectable with a pressure source, an atmosphere port in communication with the atmosphere and a reserve port connectable with a reservoir or the like in which pressure is to be maintained, a check valve in said body between said inlet and reservoir ports for passage of air from said inlet to said reservoir port when the pressure at said reservoir port falls below the pressure at said inlet port, the combination of a second check valve and a relief valve mounted between said atmosphere and reservoir ports, said second check valve retained closed by resilient means and seated against said relief valve, said relief valve retained closed by a resilient means and opening in an opposite direction to the second check valve to relieve the pressure from said reservoir port when it exceeds a predetermined maximum.

2,486,165
WELDING TRANSFORMER CONTROL SYSTEM
Didier Journeaux, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 24, 1946, Serial No. 664,567
4 Claims. (Cl. 323—57)

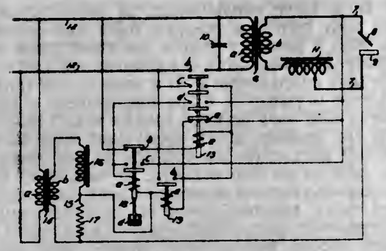
1. In a control system for a welding transformer comprising a primary winding to be connected across a source of alternating current and a secondary winding connected to a welding circuit, the combination of a switch for connecting said primary winding with said source, an actuating coil for controlling closing operation of said switch, an auxiliary transformer connected to said source and provided with a secondary winding, said welding transformer when en-

ergized from said source having a secondary terminal voltage which upon open-circuiting of said welding circuit substantially equals the open circuit voltage of said auxiliary transformer secondary winding, and means comprising said coil connecting said auxiliary transformer secondary winding across said welding transformer secondary winding to cause closure of said switch in re-



sponse to an increase in the current through said coil upon short-circuiting of said welding transformer secondary winding and to maintain said switch closed by the differential effect of the said voltages on said coil, said switch being biased to open in response to deenergization of said coil upon open-circuiting of said welding circuit substantially equalizing the said voltages.

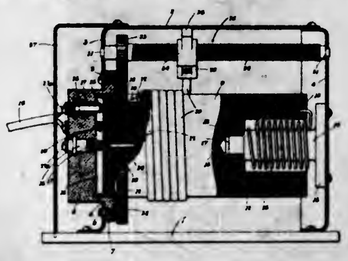
2,486,166
WELDING TRANSFORMER CONTROL SYSTEM
Didier Journeaux, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 25, 1946, Serial No. 664,781
6 Claims. (Cl. 322—62)



1. In a control system for a welding transformer comprising a primary winding to be connected across a source of alternating current and a secondary winding connected to a welding circuit, the combination of a switch for connecting said primary winding with said source, an actuating coil for controlling the operation of said switch, an auxiliary transformer connected to said source and provided with a secondary winding having an open circuit voltage substantially equal to the open circuit voltage of said welding transformer secondary winding, and means selectively responsive to variations in the phase relation between the voltages of said welding circuit and of said auxiliary transformer secondary winding for controlling the energization of said coil.

2,486,167
CORD WINDER
Mitchell L. Jurasevich, Alturas, Calif., assignor to Elsie Myrtle Jurasevich, Alturas, Calif.
Application June 14, 1948, Serial No. 32,855
1 Claim. (Cl. 191—12.2)

An electric cord winder comprising a housing, a spindle fixed to one end of the housing and projecting into the housing, a dielectric terminal block fixed to the opposite end of the housing and provided with an annular recess in its inner face opening into the housing, yieldable contact pins in the block and projecting into said recess, a dielectric drum, one end of the drum projecting into said recess and journaled for rotation therein, contact rings embedded in that end of the drum which projects into said recess, the contact points riding said rings, an electric cord reeved



about the drum and projecting out of the housing, the terminals of said cord being connected with the contact rings at points within the peripheral confines of the drum, the drum being provided with a bore in the other end thereof, such bore receiving said spindle therein and the inner end of the spindle being journaled in the body of the drum at the inner end of the bore, and a spring motor disposed about the spindle within the bore and connected at one end to the spindle and at the other end to the drum.

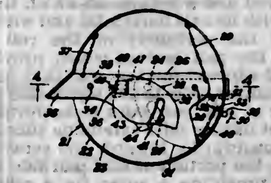
2,486,168
INTERLOCKING ASSEMBLY FOR SHEET METAL ROOFING OR SIDING
Mitchell L. Jurasevich, Alturas, Calif., assignor to Elsie Myrtle Jurasevich, Alturas, Calif.
Application June 14, 1948, Serial No. 32,856
10 Claims. (Cl. 189—85)



1. An interlocking assembly for sheet metal cover sheets on a support with adjacent edge portions of said sheets lapping, comprising a locking and retention strip secured to the support lengthwise beneath said lapping edge portions of the cover sheets, locking elements projecting outward from the strip, the undermost lapped edge portion of the cover sheets having openings through which said elements extend, and means on the uppermost lapped edge portion of the cover sheets engaging said outwardly projecting elements in locking relation.

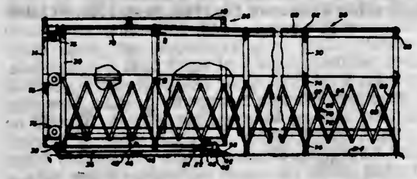
2,486,169
PHOTOGRAPHIC SHUTTER WITH COVER BLADE AND MAGNETIC RETARDING MEANS
Morris Kaplowitz, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp., a corporation of New York
Application February 15, 1947, Serial No. 728,812
5 Claims. (Cl. 95—60)

1. Magnetic retarding means, for use in connection with a camera shutter mechanism including a shutter casing, a reciprocably movable shutter blade, and a cover blind movable to and from a normal rest position and adapted to actuate said blade, said retarding means comprising a magnet disposed in said shutter casing and independent of the movement of said shutter blade, a magnetizable element connected to said shutter blade and adapted to cooperate with said magnet to retard the movement of said shutter



blade, and keeping means mounted on said cover blind and normally disposed sufficiently near said magnet when the cover blind is at rest for restraining loss of magnetic energy thereof and to be removed from said magnet when the cover blind is moved from its rest position.

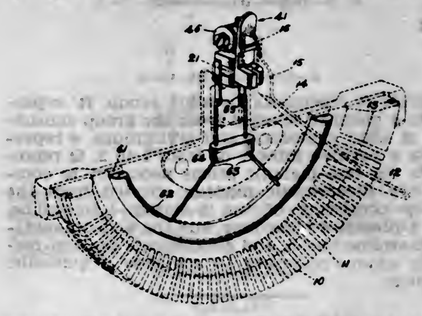
2,486,170
EXTENSIBLE CANOPY
Edward S. Kavanaugh, Notre Dame, Ind., assignor of one-half to Eugene M. Quinn, Oak Park, Ill.
Application February 19, 1947, Serial No. 729,623
6 Claims. (Cl. 135—5)



3. A canopy assembly including a movable housing, a flexible canopy adapted to be retracted within said housing and extended from said housing, said canopy being self-supporting when extended and having rigid transversely disposed frame members, reels mounted on the housing and having spring biased drums, cables terminally secured to said drums and to the outermost of said frame members, guide means for said cables on the other frame members, whereby the portions of the extended canopy between the frame members is supported, the lower ends of said frame members having ground contacting casters, said housing having horizontally disposed members of a length less than the extended canopy and whereon said casters may be rolled when the canopy is retracted, said horizontally disposed members having ramps on the ends thereof remote from said housing.

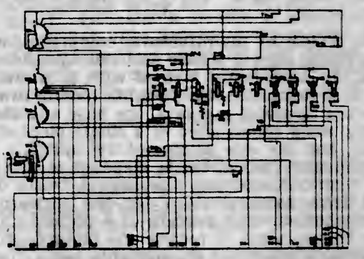
2,486,171
TYPE SOLDERING JIG
Paul A. Kegevic, Chicago, Ill.
Application January 31, 1945, Serial No. 575,502
6 Claims. (Cl. 113—59)

4. In the art of repairing typewriters and the like an appliance for maintaining the relation of a type head with its type bar while securing the two, which appliance comprises a support having means for detachably securing the same to the type bar guide, an anvil carried by said support and adjustable with respect thereto in a plurality of vertical, fore-and-aft and angular positions, means for securing said anvil to said support in any said position or combination thereof, said anvil having a surface upon which the printing faces of a type head may rest and a ledge projecting from said surface, said ledge having a height measured from said surface no



greater than the height of the type character above the body of the type head and a width measured on the vertical axis of a type character less than the space between the upper case and lower case characters of the type head.

2,486,172
IMPULSE TESTING APPARATUS
Frank Kessler, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 8, 1945, Serial No. 571,783
9 Claims. (Cl. 179—175.2B)

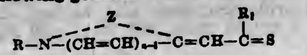


1. In a testing apparatus, a circuit including a source of impulses, a pair of gaseous discharge tubes each having an anode, a cathode, and a control electrode, means coupling the control electrodes of said tubes to said circuit so as to cause one tube to fire at the beginning of an impulse and the other tube to fire at the end of an impulse, means causing either tube to be extinguished in response to the firing of the other tube, means controlled by the anode currents of said tubes for determining the ratio of the length of each impulse to the interval between it and a succeeding impulse, and means controlled by said determining means for indicating said ratio.

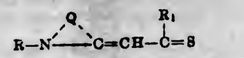
2,486,173
PROCESS FOR PREPARING MESO-SUBSTITUTED CARBOCYANINE DYES AND THIOKETONES
Grafton H. Keyes, Rochester N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application March 4, 1943, Serial No. 478,007. Divided and this application October 3, 1945, Serial No. 620,162
12 Claims. (Cl. 260—240)

12. A thioketone selected from the group con-

sisting of those thioketones which are represented by the following general formulas:



and



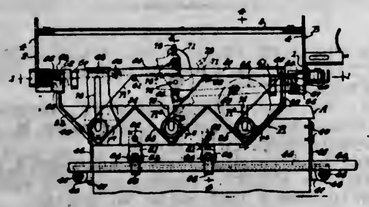
wherein R represents an alkyl group, R' represents a member selected from the group consisting of alkyl, cycloalkyl and aryl groups, *n* represents a positive integer of from 1 to 2, Q represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of the 4-methyl-4-thiazoline, the 4-phenyl-4-thiazoline, and the 4-(2-thienyl)-4-thiazoline nuclei, and Z represents the non-metallic atoms necessary to complete a quinoline nucleus.

2,486,174
PLASTIC PICTURE FRAME
Edmund D. Kisaling, New York, N. Y.
Application April 5, 1945, Serial No. 586,706
1 Claim. (Cl. 40—152.1)



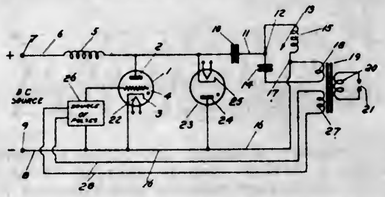
An article of manufacture, comprising a picture frame having a base and side upright members, the base being formed with a lateral loop and side arms and the uprights having inwardly directed terminal supports, the base and the uprights being constructed of a single piece of material, and the side arms and the uprights being formed with helical twists disposed forwardly of the terminal supports, the helical twists of the side arms forming stops for the forward side of the bottom edge portion of a picture and the loop having seats to receive the picture, and the terminal supports of the uprights being disposed in line with said seats, whereby a picture element may be disposed on said loop seats and held against displacement by said uprights, said terminal supports, said twisted arms and said loop seats.

2,486,175
RIBBON ROLL MOUNTING FOR TYPEWRITING OR LIKE MACHINES
John J. Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application April 20, 1945, Serial No. 589,406
13 Claims. (Cl. 197—153)



7. In a typewriting or like machine, a platen; means for guiding a ribbon along the platen printing line; means for feeding the ribbon; and means for mounting a roll of said ribbon from which ribbon is guided and fed as aforesaid, said roll having an opening through its center, said roll mounting means comprising a pan having two spaced roll-enclosing sides between which the roll is received and a bottom on which the roll is supported with its axis horizontal and with spaced portions of the periphery of the roll resting directly on the pan bottom which provides the sole vertical support for the roll, said pan sides extending substantially to the top of said pan and at least one of said pan sides being formed with a narrow slot having sides extending substantially vertically downwardly towards the center of the pan bottom, the portion of said pan side which is not slotted providing a cover for a ribbon roll positioned in said pan, and said slot being substantially no wider than enough to permit an instrument of a size of the order of pencil size to be extended from outside the pan into the roll center opening when said opening is below the top of the pan, whereby the instrument may then be lifted to raise the roll from between said pan sides.

2,486,176
SHOCK-EXCITED OSCILLATOR
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 12, 1946, Serial No. 647,002
12 Claims. (Cl. 250—36)

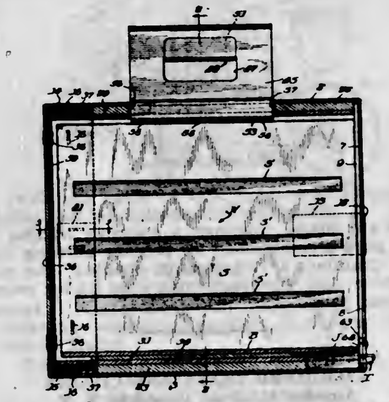


10. An electrical discharge device, comprising an anode and a cathode, means for discharging said device at regular intervals, a resonant circuit fed by said discharge device, said means for discharging being controlled by pulses derived from said resonant circuit, and the resonant frequency of said resonant circuit being a harmonic, other than the first harmonic, of the frequency of said pulses.

2,486,177
STABILIZED FATS AND OILS
John Korner, Philadelphia, Pa., assignor to Silmo Chemical Corporation, Vineland, N. J., a corporation of New Jersey
No Drawing. Application February 11, 1947, Serial No. 727,941
1 Claim. (Cl. 99—163)

A material susceptible to deleterious oxidation selected from the group consisting of glyceride oils carrying vitamin A and glyceride oils carrying provitamin carotene, and selected from the group consisting of butter, lard, olive oil, peanut oil and liver oil, and carrying an effective amount not exceeding a fraction of a per cent of a gallate selected from the group consisting of ammonium gallate and substituted ammonium gallates in which every substituent group consists of an aliphatic chain of carbon atoms not more than four in number, each carbon having all valences satisfied and connected only to the nitrogen of the ammonia or to carbon or hydrogen or hydroxyl oxygen.

2,486,178
HOT FOOD CARTON
Bert O. Kuehlhorn, Chicago, Ill.
Application November 16, 1946, Serial No. 710,391
5 Claims. (Cl. 229—14)



1. In a container, the combination of a body member having four connected side walls and one end wall, the opposite end being open, the ends of said side walls adjacent the open end, each having a peripheral flap integrally formed therewith, said flaps each being folded inwardly back upon its respective side wall, means for maintaining said flaps in folded position relative to their respective side walls to form a reinforced side wall edge, a cover member for the open end so formed, said cover member having peripheral flanges thereon adapted to be inserted into the open end of the body member with said flanges seated upon respective flaps, an outer liner having side walls corresponding to the respective side walls of the body member, said liner side walls being positioned within said body member with the outer faces thereof positioned between said end wall and the respective flaps, and in contact with the inner surfaces of corresponding side walls of the body member, the thickness of the material forming said outer liner being approximately equal to the combined thickness of one of said flaps and its corresponding flange on said cover member, an inner liner having side walls corresponding to the respective side walls of the body member, the outer faces of the inner liner side walls contacting the adjacent faces of said outer liner, and the edges of said inner liner positioned adjacent to said cover member, said body member and outer liner each having a slot therein aligned with each other, and a handle member, secured to said inner liner and extending through the slots in the outer liner and body member respectively.

2,486,179
TAKE-UP ROLLER
William J. Kuehnel, Bridgehampton, N. Y., assignor of one-half to John G. G. Merrow, New York, N. Y.
Application July 31, 1947, Serial No. 765,045
2 Claims. (Cl. 66—150)

1. A take up device for a fabric having sides of unequal length comprising a substantially cylindrical roller having a tapered portion at one end thereof, said roller having a hollow shaftway, driving means comprising a continually rotating shaft positioned in said shaftway, a friction collar on said roller, means operatively connecting said collar to said shaft whereby the take up speed between said shaft and said roller may be regulated and means to attach the fabric to said roller whereby the shorter side of said fabric will be affixed to said tapered portion and the longer side will be affixed to the opposite end of said roller.



2,486,180
COIN AND KEY HOLDER
Ralph I. Lane and Joseph Vaccaro, Waterbury, Conn.
Application December 15, 1947, Serial No. 791,854
3 Claims. (Cl. 206—0.81)



3. In a coin and key holder, a shank, a coin-holding barrel section integral with said shank and disposed transversely at one end thereof, and a transverse pivot pin in the other end of said shank, said shank having a key-receiving channel in one edge extending from said pivot pin and terminating adjacent said barrel section, whereby one or more keys may be mounted upon said pin for swinging in and out of said channel.

2,486,181
PROCESS OF PREPARING CRYSTALLINE SALTS OF PENICILLIN
Lester Larson, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application October 23, 1946, Serial No. 705,251
12 Claims. (Cl. 260—302)

1. The process of preparing a substantially pure, stable alkali metal salt of penicillin which comprises dissolving an impure alkali metal penicillin salt in a cold polar solvent at a temperature of about 0 to −50° C., warming the resulting solution to a temperature of about 10 to 35° C. and recovering the alkali metal penicillin salt precipitate formed in the solvent.

2,486,182
VINYL CHLORIDE-CONTAINING RESIN STABILIZED WITH PROPYLENE GLYCOL DIRICINOLEATE
Robert R. Lawrence, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 5, 1947, Serial No. 739,656
7 Claims. (Cl. 260—23)

1. A composition comprising a vinyl chloride-containing polymer, and as a heat stabilizer therefor, a compatible amount of propylene glycol diricinoleate which is at least 0.5 part for every 100 parts of polymer.

2,486,183
EMULSION POLYMERIZATION OF BUTADIENE IN THE PRESENCE OF A SALT OF A DEHYDROGENATED MIDDLE FRACTION OF ROSIN

John H. Long, Marshallton, and Donald H. Sheffield, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

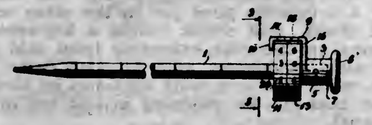
No Drawing. Original application June 17, 1944, Serial No. 540,689. Divided and this application March 24, 1948, Serial No. 16,887
10 Claims. (Cl. 260—83.7)

1. The process which comprises polymerizing in aqueous emulsion a conjugated butadiene hydrocarbon in the presence of between 1 and 5% in the aqueous phase of an alkali metal salt of a dehydrogenated middle fraction of a fractionated rosin, said dehydrogenated middle fraction being prepared by subjecting a natural rosin to distillation under reduced pressure, removing at least 5% of a light end, collecting a middle fraction consisting of from 50% to 90% of the rosin, leaving as a residue at least 5% of the rosin, and contacting said middle fraction of rosin with an active hydrogenation catalyst in the absence of added hydrogen at an elevated temperature until it contains at least 40% of dehydroabietic acid.

2,486,184
KNITTING NEEDLE

Gertrude H. Maker and Sylvia S. Harris, New York, N. Y.

Application April 2, 1946, Serial No. 659,021
9 Claims. (Cl. 66—117)



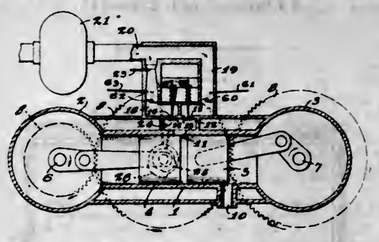
1. In combination with a hand knitting needle, counting means comprising a plurality of elements separately rotatable on the axis of the shank of the needle and positioned adjacent each other and adjacent one end of the shank of the needle, said rotatable elements each carrying on its periphery a series of indicia adapted to be selectively brought into register with selected indicia on an adjacent rotatable element on rotation of one element relative to another, and a member fixed in relation to said shank of the needle and formed to extend across the several rotatable elements and to extend about said elements to prevent movement thereof along the shank of the needle while providing for said rotation of said elements on said shank, said member providing indicating means adapted to indicate the indicia on the several rotatable elements brought into register therewith upon rotation of said elements.

2,486,185
OPPOSED PISTON INTERNAL-COMBUSTION ENGINE

Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan

Application September 25, 1946, Serial No. 699,327
15 Claims. (Cl. 123—51)

4. An internal combustion engine having a cylinder, opposed pistons in the cylinder, connections between the pistons making the pistons reciprocate in a two-to-one ratio, so that one piston makes four strokes while the other makes two, an exhaust port only at one end of the cylinder and uncovered at the outer end of the out stroke of said two-stroke piston, a port through the side of the cylinder between the pistons when

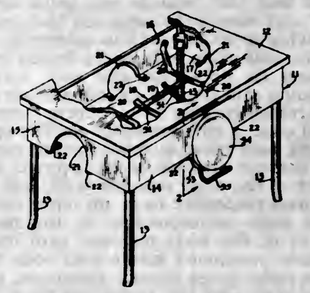


they are closest together, a chamber leading to said port, a compressed air passage opening into said chamber, a fuel passage opening into said chamber, and separately controlled timing valves in said passages.

2,486,186
COMBINED TABLE AND CHAIRS

Amedeo Mancusi, Rosedale, N. Y.

Application June 23, 1947, Serial No. 756,451
6 Claims. (Cl. 155—123)



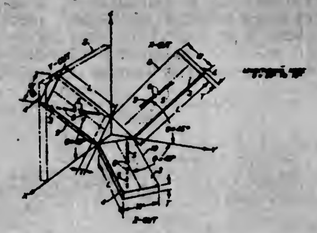
1. In a device of the class described, a table having a top and supporting means for the top, a chair comprising a seat member, a plurality of legs fixedly secured to the seat member, projecting members extending from the seat member, a side board in the table positioned adjacent to and beneath the table top having a cutaway portion therein shaped to conform to the seat portion of the chair, and supporting means secured to the table and adapted to support the chair by removable engagement with the legs and the projecting members in a position in which the seat member is substantially vertical and in conformity with the cutaway portion of the side board.

2,486,187
PIEZOELECTRIC CRYSTAL APPARATUS

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 9, 1947, Serial No. 740,408
14 Claims. (Cl. 171—327)

1. Piezoelectric crystal apparatus comprising a piezoelectric lithium ammonium tartrate monohydrate crystal plate adapted for motion along its major faces at a frequency having a low temperature coefficient, said major faces being disposed substantially perpendicular to the Y axis of the three mutually perpendicular X, Y and Z axes, and means comprising electrodes disposed adjacent said major faces and applying an electric field to said crystal plate substantially in said Y axis direction for operating said crystal plate



in said face mode of motion at said frequency having said low temperature coefficient.

2,486,188
LUBRICANT

Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

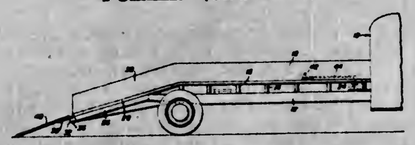
No Drawing. Application July 14, 1943, Serial No. 494,687
7 Claims. (Cl. 252—46.6)

5. A lubricating oil composition comprising a petroleum lubricating oil, a detergent of the class consisting of the calcium salt of iso-octyl salicylate and the calcium salt of capryl salicylate and a proportion, sufficient to repress oxidation of the oil composition, of an oil soluble phosphorus- and sulfur-containing reaction product obtained by reacting, at a temperature greater than about 200° F., turpentine with a phosphorus sulfide of the class consisting of P_2S_5 and P_2S_3.

2,486,189
WRECKER TRUCK BODY

Edward P. McCormick, Scranton, Pa.

Application March 18, 1948, Serial No. 15,649
4 Claims. (Cl. 214—85)



1. In combination with a truck having a rearwardly extending frame, of a vehicle support, said vehicle support comprising a platform fixed on the frame, side walls carried by the platform, an approach leading to the platform, supporting means carried by the frame for the approach, and skids removably carried by the approach.

2,486,190
IMIDIZED POLYACRYLAMIDES

Louis M. Minsk and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 22, 1946, Serial No. 685,376
11 Claims. (Cl. 260—89.7)

1. An imidized polyacrylamide consisting of from 30 to 60 per cent by weight of acrylimide groups, and from 70 to 40 per cent by weight of acrylamide and combined acrylic acid groups, the said acrylic acid group being present in quantity not less than 5 per cent and not more than 20 per cent by weight of the polymer.

2,486,191
PROCESS OF POLYMERIZING ACRYLAMIDE

Louis M. Minsk, William O. Kenyon, and John H. Van Campen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 22, 1946, Serial No. 685,378
4 Claims. (Cl. 260—89.7)

1. A process for preparing a water-soluble polyacrylamide which comprises dissolving acrylamide in the ratio of 1 gram of the acrylamide to each 10 c. c. of a mixed solvent consisting of from 60 to 95 parts by volume of water and from 40 to 5 parts by volume of a completely water-miscible, saturated monohydroxy aliphatic alcohol containing from 1 to 4 carbon atoms, and heating the resulting solution at a temperature of 90° C. in the presence of 0.04 c. c. of 30 per cent hydrogen peroxide to each gram of acrylamide.

2,486,192
GEL-TYPE IMIDIZED POLYACRYLAMIDE

Louis M. Minsk and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

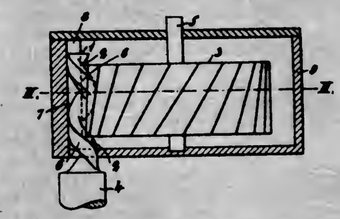
No Drawing. Application February 8, 1947, Serial No. 727,202
12 Claims. (Cl. 260—89.7)

1. An imidized polyacrylamide which forms a temperature reversible gel in aqueous solution and which contains combined acrylimide groups, combined acrylic acid groups and combined acrylamide groups, the combined acrylimide groups constituting from 21 to 67 per cent by weight of the imidized polyacrylamide, the combined acrylic acid groups constituting from 5 to 27 per cent by weight of the imidized polyacrylamide, the remainder of the weight of the imidized polyacrylamide being combined acrylamide groups, wherein from 3 to 55 per cent of the combined acrylic acid groups are in a salt form selected from the group consisting of ammonium, organic amine and alkali metal salts.

2,486,193
SPIRAL GEARING

Carl Oscar Josef Montelius, Stockholm, Sweden

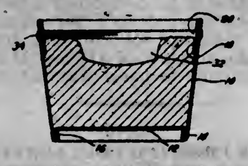
Application April 30, 1946, Serial No. 666,988
In Sweden June 8, 1945
3 Claims. (Cl. 74—424.5)



1. In a gearing, a spiral-cut multiple-tooth gear wheel, a cylindrical spiral-cut gear wheel having one single tooth and engaging said multiple-tooth gear wheel, the axis of rotation of said two gear wheels being parallel, the material of said single-tooth gear wheel being cut away in such a manner that it substantially consists of only the spiral cut tooth, the length of said single tooth gear wheel and the width of said multiple-tooth gear wheel, both being greater than the lead of said single-tooth gear wheel, a peripheral bearing surface, half-circular

in cross-section being arranged along the outside of said single-tooth gear wheel and on the opposite side of said single tooth gear wheel in relation to said mutliple-tooth gear wheel, the outside of said single-tooth gear wheel engaging said bearing surface.

2,486,194
PACKAGED SUNDAE
Frank T. Moser, Easton, Pa., assignor to Limpert Bros., Inc., Vineland, N. J., a corporation of New York
Application December 16, 1947, Serial No. 791,974
4 Claims. (Cl. 99—137)



1. A packaged sundae comprising a cup, a removable sealing cover therefor, a foundation of congealed ice cream therein, and a centrally disposed mass of fluid topping, said ice cream completely surrounding said topping, and said ice cream and topping both contacting said sealing cover, whereby said topping is prevented by said ice cream from seeping from the joint between said cup and cover.

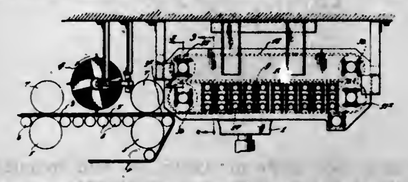
2,486,195
MULTIWIRE CONNECTOR
John H. Munsey, Englewood, N. J.
Application October 18, 1945, Serial No. 623,009
6 Claims. (Cl. 173—328)



1. In a multi-wire connector, two separable members having alined central bores, each member comprising a backing block of non-resilient insulating material and a contact disc of resilient insulating material permanently secured to the inner face of the backing block, pairs of coacting alined conducting pins slidable in their respective backing blocks and contact discs and having their contact ends provided with flat heads normally projecting beyond and overlapping the contact faces of said discs, and a screw bolt slidable in the bore of one member and threaded into the bore of the backing block of the other member for drawing the members together in a right line, to imbed the contact ends of the alined pins in said discs and compress the discs for ensuring a water-tight contact between the two members.

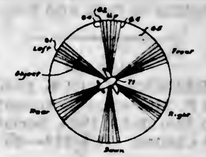
2,486,196
OVERHEAD SHEET TRANSPORTING AND DISCHARGE DEVICE
Ross Ne[illegible]dine, New York, N. Y.
Application A[illegible]l 9, 1947, Serial No. 740,329
3 Claims. (Cl. 271—74)

3. In overhead sheet transporting and discharging devices, a traveling porous belt, means for effecting and breaking suction upon sheets depending from the belt, and also for imposing pressure upon said sheets by fluid action, said means comprising a plurality of side-by-side chambers along a length of the belt, suction conduits leading from said chambers, an electrically controlled valve for each of a plurality of said conduits, suction means leading to said valves, a



plurality of pressure leading to said chambers, an electrically controlled valve for each of said pressure conduits, fluid pressure means leading to said last named valves, an electric circuit leading to each of said electrically controlled valves, and automatic means for closing and opening the circuits at predetermined times.

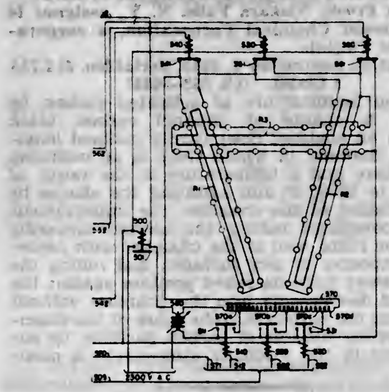
2,486,197
THREE-DIMENSIONAL PROXIMITY INDICATION SYSTEM
William H. Newbold, deceased, late of Langhorn, Pa., by Hannah M. Newbold, executrix, Langhorn, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1944, Serial No. 547,900
2 Claims. (Cl. 343—11)



1. In a proximity indicator system, a plurality of antenna structures, each having a predetermined space radiation pattern covering three-dimensional space about a point, a cathode ray tube divided into a plurality of sections corresponding to said antenna structures, each section representing a predetermined angle of space and totalling to all the space in a region about a point, indicators adjacent each section indicating the angle of space covered thereby, a deflecting circuit for said cathode ray tube for deflecting the cathode beam successively into each of said sections, means including circuit connections from said antenna structures to said cathode ray tube for modulating the cathode ray beam in accordance with a reflected signal from an object to be detected while in any one of said sections to provide an indication of the direction and distance to said object, and means for blanking out the cathode ray beam during deflection of the beam from one of said sections to the next adjacent section.

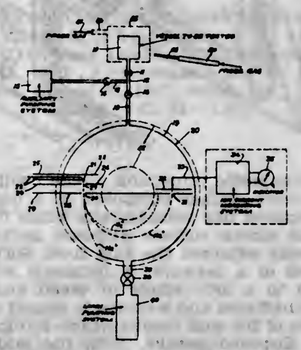
2,486,198
AIRPORT LIGHTING SYSTEM
Harry N. Newstedt, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 26, 1945, Serial No. 624,776
6 Claims. (Cl. 177—352)

1. An airport comprising a flying field having a plurality of airplane runways thereon, illuminating means individually associated with said runways, a control circuit corresponding to each of said runways for controlling the illuminating means individually associated therewith, a selector switch having access to said control circuits, an electric supply circuit for energizing



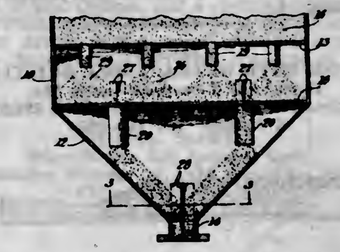
said illuminating means, means common to said control circuits operated in response to selection thereof for automatically rendering said electric supply circuit inactive, said means automatically operated to activate said electric supply circuit after a predetermined time interval.

2,486,199
METHOD AND APPARATUS FOR DETERMINING LEAKS
Alfred O. Nier, New York, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application September 10, 1945, Serial No. 615,322
5 Claims. (Cl. 73—40)



1. The method of determining the presence of leaks in enclosed vessels which comprises connecting the vessel to a mass spectrometer, adjusting the mass spectrometer to indicate the presence of a probe gas, evacuating the mass spectrometer and the vessel connected to it, reading the mass spectrometer indication, introducing said probe gas in the form of a gas or liquid and in concentration against said vessel and noting the presence of the probe gas in the indication of the mass spectrometer as an index of the leakage of the vessel.

2,486,200
CLAY FLOW BAFFLE
Ward J. F. O'Connor, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application December 17, 1946, Serial No. 716,789
8 Claims. (Cl. 259—180)



1. A chamber of the class described having inlet means for the introduction of a granular material which flows therethrough solely by the effect of gravity, discharge means at the lower part thereof to remove said granular material and means to control the uniform flow of granular material over the entire cross section of the chamber, said flow control means including a plurality of horizontal baffles, the uppermost of said baffles being provided with a number of spaced openings, the lower baffles having a lesser number of openings of relatively greater cross section, each spaced to receive a flow of granular material from a plurality of openings in the baffle next above, guide means in said openings in the lower baffles dividing the cross-sectional area of said openings into substantially uniform areas approximately equal to the cross-sectional areas of each of the openings in the baffle next above from which the opening in the lower baffle receives granular material whereby the velocity of flow from each of the openings in the baffle next above is maintained substantially uniform.

2,486,201
RESIN FOR LOW-PRESSURE PAPER BASE LAMINATES AND WOOD SURFACING
Donald G. Patterson, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 2, 1945, Serial No. 580,711
1 Claim. (Cl. 260—45.3)

A homogeneous polymerizable composition which comprises a polymerizable methylated melamine formaldehyde condensation product, a compatible polymerizable mixture containing styrene and a polymerizable unsaturated alkyd resin, obtained by esterifying a mixture including a glycol and fumaric acid, the weight ratio of said condensation product to said polymerizable mixture being between 1:20 and 3:2, and in which said polymerizable mixture contains from 28.6% to 47% by weight of styrene based on the total amount of polymerizable mixture present.

2,486,202
ELECTRICAL FUSE ELEMENT
George S. Phipps, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 30, 1948, Serial No. 68,420
4 Claims. (Cl. 75—166)

1. An alloy consisting of the following in-

gredients in approximately the following proportions:

	Per cent by weight
Bismuth	14.5
Cadmium	2.5
Antimony	1.0

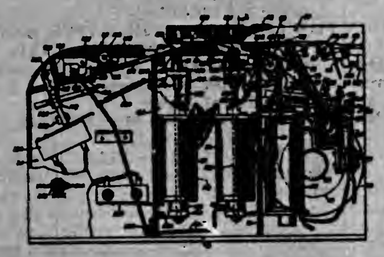
Lead—remainder, together with incidental impurities.

2,486,203
BRUSH WITH RETRACTABLE BRISTLES
Herman C. Pieper, St. Louis, Mo.
Application June 9, 1945, Serial No. 598,561
6 Claims. (Cl. 15—203)



1. In a brush of the class described, an elongated hollow body having a wall, a member slidable longitudinally of said body and spaced from said wall, a plurality of tufts of bristles having connections to said member, said wall being provided with a corresponding plurality of apertures receiving said tufts, adjacent apertures being spaced apart transversely of the body a greater distance than adjacent connections between the corresponding tufts and said member, whereby the tufts disposed transversely of the body relative to each other diverge outwardly as they are projected from the body by the movement of said member to bring the connections beneath the corresponding apertures.

2,486,204
TAPE SPLICING MACHINE
Edward Praitner, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1947, Serial No. 745,001
14 Claims. (Cl. 93—1.1)

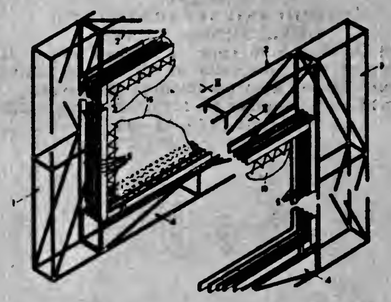


2. In a machine for splicing an identification tape having partial cut-outs punched therein between two message tapes having partial cut-outs punched therein, each of the cut-outs in said tapes forming a movable lid, a splicing table, means for locating the trailing end of one of said message tapes over one end of said splicing table, means for locating the head end of the other of said message tapes over the opposite end of said splicing table, means for locating an identification tape on said splicing table with some of the cut-outs therein in alinement with the ends of the two previously positioned message tapes, splicing pin arrays at each end of said splicing table underlying the superposed identification and message tapes, and means for driving said splicing pin arrays upwardly to force the splicing pins thereof through the superposed message and identification tapes wherever the cut-outs in the superposed tapes are in alinement.

2,486,205
MANUFACTURE OF ACTIVATED CARBON
William Preak, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
Application September 6, 1945, Serial No. 614,725
1 Claim. (Cl. 252—445)

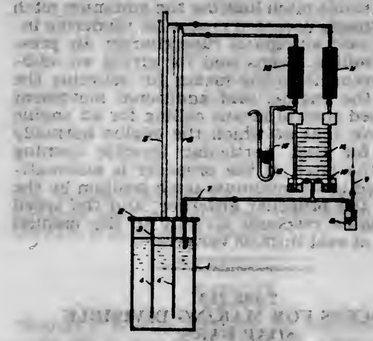
In the manufacture of activated carbon by moving a charge of channel carbon black through an enclosed downwardly inclined longitudinal chamber in which there is an oxidizing atmosphere and a temperature in the range of 850° F. to 1050° F. and agitating the charge by slow rotation of the chamber, the improvement which comprises raking the charge upwardly along the rising wall of the chamber with consequent exposure of new surfaces, and rolling the charge away from its raked position against the wall and downwardly into the chamber without showering the carbon into the space of the chamber, whereby the loss of carbon particles by entrainment in the oxidizing atmosphere is minimized.

2,486,206
PROJECTION SCREEN
Matthew A. Remison, London, England, assignor to himself and Charles Mitchell, London, England
Application July 31, 1946, Serial No. 687,240
In Great Britain August 3, 1945
3 Claims. (Cl. 88—28.9)



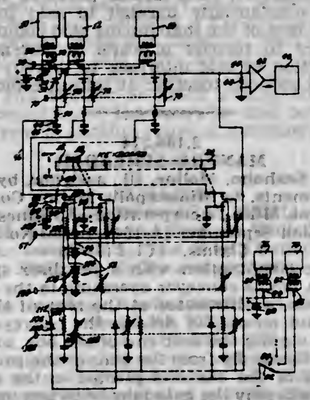
1. A composite projection screen comprising a front screen surface composed of a network of closely spaced fine substantially white filaments, a second screen surface disposed parallel with and closely adjacent the said front surface and composed of a network of filaments which are coloured to a light shade of green and are of greater thickness and less closely spaced than the filaments of the said front surface, a third screen surface disposed parallel with the said second screen surface and spaced therefrom by a greater distance than that between the said front and second screen surfaces and composed of a network of filaments which are coloured to a darker shade of green than the colouring of the filaments of said second screen surface, the filaments of said third screen surface being of greater thickness and less closely spaced than the filaments of the said front surface, and a final white screen surface disposed parallel with the said third screen surface but spaced therefrom by a distance at least as great as that between said second and third screen surfaces.

2,486,207
LIQUID LEVEL MEASURING APPARATUS
Melbourne K. Richards, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 11, 1945, Serial No. 610,349
2 Claims. (Cl. 73—302)



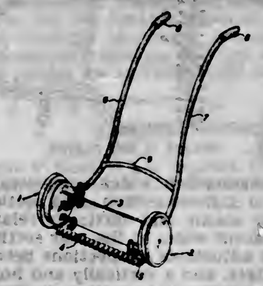
1. A liquid level measuring apparatus for an electrolytic fluorine cell comprising an anode compartment and a cathode compartment separated by a perforated partition and having separate fluorine and hydrogen collecting spaces, said apparatus comprising an inert gas inlet for introducing an inert gas into the cathode compartment substantially below the normal electrolyte level, a manometer connected across the inert gas inlet and the fluorine collecting space, a second manometer connected across the inert gas inlet and the hydrogen collecting space, said manometers containing a liquid inert to chlorine, and a pair of fluorine absorption tubes containing a chloride fluorine-absorbent, one of said absorption tubes being connected between each of said manometers and the respective collecting space.

2,486,208
ELECTRONIC MUSICAL INSTRUMENT
Albert R. Rienstra, Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1947, Serial No. 770,299
11 Claims. (Cl. 84—1.26)



1. An electronic musical instrument comprising a plurality of sources of alternating signals, an adding and attenuating network having a branch coupled to each of said sources, said network having an output point and including a bias controllable impedance device in each said branch for controlling the amplitude of signals from said respective sources reaching said point, switch means, a circuit responsive to said switch means adapted to apply a transient bias voltage to one of said devices, and a circuit responsive to said switch means adapted to apply to another of said devices a bias which changes gradually and is thereafter substantially constant at a new value.

2,486,209
SICKLE MOWER
Mikel Roads, Los Angeles, Calif.
Application October 14, 1946, Serial No. 703,154
2 Claims. (Cl. 56—262)



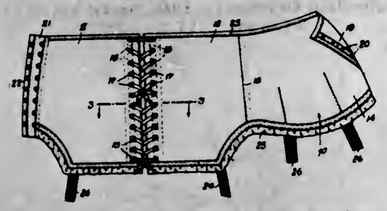
1. In a mower device having a pair of spaced apart wheels which are each provided with spaced apart disc-like side walls and provided with wide annular flanges to provide an internal chamber in each wheel, structural means including axles to support and allow the wheels to rotate and which maintain the wheels in spaced apart position, plate means positioned between the wheels which have shearing projections extending therefrom, an upstanding bracket near each end of the plate means and fixed thereto, a threaded bore at the bottom of the inner wall of each wheel, a slotted guide means in each wheel chamber having a threaded extension passing through the bore of the wheel, a reciprocatory block in each guide means having a cam follower at one side facing the flange of the wheel and a stem fixed to another side which passes through the threaded extension and has its distal end attached to its respective bracket, and a serpentine groove in the inner face of the flange of each wheel and which engages its respective cam follower for the purposes disclosed.

2,486,210
PROCESS FOR PREPARING ALPHA-AMINOANTHRAQUINONES
Mario Scalera, Somerville, and Dale Raymond Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 5, 1947, Serial No. 726,735
5 Claims. (Cl. 260—378)

1. In the process for the production of an alpha-amino-anthraquinone by reacting phthalimide with a reactive alpha halogeno anthraquinone, the halogen having an atomic weight of at least 35 and not more than 80, in an inert organic solvent and in the presence of a cuprierous catalyst, followed by hydrolysing the phthalimido anthraquinone so formed, the improvement which comprises carrying out the re-

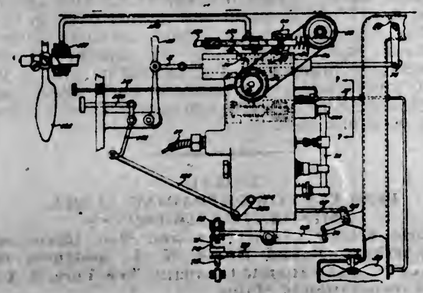
action of the imide and the alpha halogeno anthraquinone at a temperature of 150 to 200° C. and in the presence of at least approximately 20% by weight of the alpha halogeno anthraquinone of a liquid basic material selected from the group consisting of pyridine, homologues of pyridine, quinoline, homologues of quinoline, and mixtures thereof.

2,486,211
MATERNITY BELT
Morris M. Scheinberg, Brooklyn, N. Y., assignor to Deluxe Girdlecraft Co., New York County, N. Y.
Application September 24, 1947, Serial No. 775,899
4 Claims. (Cl. 2—41)



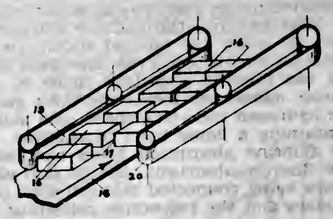
1. A maternity belt which comprises two rear sections and a front section, said sections being horizontally elastic and vertically relatively inelastic, adjacent edges of the rear sections being boned, and adjustable connections between said adjacent edges, and a vertically and horizontally non-elastic intermediate section disposed on the inside of the rear sections with opposite edges of said intermediate section secured to the adjacent edges of the respective rear sections in overlapping relation to cover the gap between the edges of the rear sections as they may be separated as the garment is allowed to expand.

2,486,212
THROTTLE CONTROL
Carl F. Schorn and Ray L. Ensinger, Detroit, Mich., assignors to George M. Holley and Earl Holley
Application March 22, 1944, Serial No. 527,623
7 Claims. (Cl. 170—135.74)



1. In a device for automatically controlling a supercharged airplane engine having a governor controlled variable pitch propeller, manually operated means for selecting the speed of the engine by controlling the governor which controls the pitch of the propeller, an air entrance to said engine, a throttle valve therein, said manually operated means being also adapted to partially open said throttle, automatic means including a second governor driven by said engine so constructed and arranged as to give an additional opening to said throttle, said means being responsive to the action of said second governor and to the air pressure on the engine side of the supercharger and so constructed and arranged as to control said automatic means whereby at any given engine speed the supercharger air pressure cannot exceed a specific value for that particular speed, means for placing the propeller in its minimum pitch position, said means comprising a stop on said variable pitch limiting the minimum pitch and a manually operated means for rendering inoperative said automatic supercharger air pressure controlling means and for giving an additional movement to the means for selecting the speed of the engine, said additional movement of the speed control means calling for an engine speed above that at which the engine normally operates for that particular throttle opening whereby the pitch of the propeller is automatically placed in its minimum pitch position by the action of the propeller governor, and the speed of the engine responds directly to the manual operation of said throttle valve.

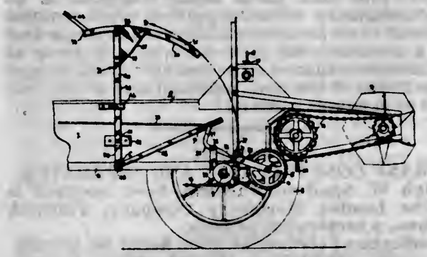
2,486,213
PROCESS FOR MAKING DIVISIBLE SOAP BARS
Albert Lyle Schulerud, Nutley, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application February 19, 1946, Serial No. 648,783
1 Claim. (Cl. 18—59)



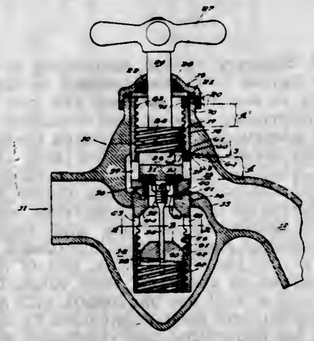
In a process for making a divisible soap bar, the steps of cutting preformed shape retaining soap bar stock into small sections, said sections having correlated faces where severed, assembling a predetermined number of said sections with said severed faces in intimate contact and peripherally confining each section assembly against outward expansion and exerting full surface pressure on each section assembly in a direction substantially parallel to said interface whereby flow of the soap during said compression is limited to relative opposite displacement of each section at said interface to thereby tightly join said sections together at said interface.

2,486,214
MANURE SPREADER
John P. Seaholm, Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application September 18, 1944, Serial No. 554,587
7 Claims. (Cl. 275—6)

7. The combination with a fertilizer spreader having a box, a conveyor operating in the bottom of the box, a distributor at the rear of the conveyor, and means for driving the conveyor, of a gate for closing the rear end of the box, arms extending forwardly from the ends of the gate along the sides of the box and pivoted to the sides of the box whereby the gate may be swung upwardly and forwardly to open the rear end of the box, and means connected with and operated by one of the arms for effectively connecting and disconnecting the said driving means for the conveyor, and said connecting means including a lost motion device whereby the driving means for the conveyor may be controlled independently when the gate is in its open position.



2,486,215
VALVE
Walter J. Shields, Chicago, Ill., assignor of one-fourth to Roman R. Stachnik, Chicago, Ill.
Application June 15, 1945, Serial No. 599,702
8 Claims. (Cl. 277—34)

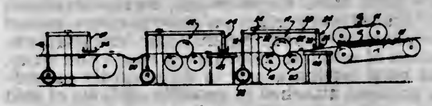


1. In a valve, a valve body for connection in a fluid flow line, an insert removably received in said body, valve means removably received in said insert, registration means cooperatively associated with said insert, said body and said valve means and including a plurality of detents one of which locks said insert in said body cooperatively with said valve means in a predetermined range of movement of the latter in said insert, and another of which is adapted to preclude reception of the insert by said body when the valve is in another range of movement in said insert.

2,486,216
MICROBIOLOGICAL MEDIA
Lloyd H. Silvernail and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 4, 1948, Serial No. 31,219
3 Claims. (Cl. 195—100)

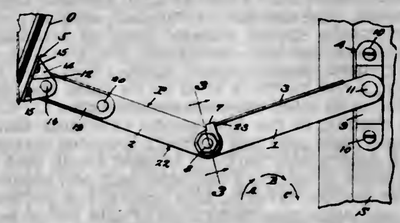
1. A nutrient microbiological medium comprising as gelling constituents (1) from 0.3 to 1.0 per cent by weight of methyl cellulose of from 100 to 500 centipoises absolute viscosity and (2) from 3.5 to 5.0 per cent by weight of methyl cellulose of from 8 to 18 centipoises absolute viscosity.

2,486,217
METHOD AND APPARATUS FOR EXPANSION OF FIBROUS MATS
Robert E. Slack, Plainfield, and Lee M. Hedges, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 20, 1945, Serial No. 606,247
18 Claims. (Cl. 28—71.3)



1. In an apparatus for expanding a condensed mat of fibers in which the fibers lie in intercrossing relationship, means engaging opposite faces of the mat for feeding the mat forwardly, means for exerting stretching tension on said mat and means intermediate said first and second mentioned means for vibrating said mat.

2,486,218
FOLDABLE PROP
Kirby T. Snyder, Los Angeles, Calif.
Application November 9, 1944, Serial No. 562,719
1 Claim. (Cl. 292—263)

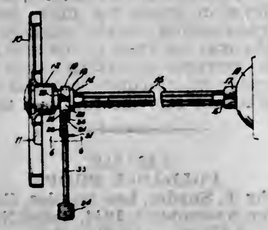


A prop for storm windows or the like including a link, a flat longitudinal flange thereon, a second link lapping at one end an end of the first link, a pivot element connecting the lapping ends, a friction washer interposed between the lapping ends and mounted on the pivot element, and means carried by the pivot element for limiting relative movement of the links in one direction and for self-adjustment relative to the links for absorbing thrusts therefrom, said means including a substantially U-shaped washer having a flat intermediate bridge portion overlying the lapping ends and friction washer, said U-shaped washer being mounted on and having its bridge portion tangentially offset from the pivot element for movement of the bridge portion into the plane of the flange on movement of the links in said direction, whereby to bring one side of the bridge portion into engagement with an end of the flange to provide a straight extension of the flange adapted to engage the other link.

2,486,219
TOY STEERING WHEEL AND GEAR SHIFT
Louis Solomon, Chicago, Ill.
Application January 23, 1948, Serial No. 3,897
1 Claim. (Cl. 46—1)

In a steering wheel toy having a steering wheel having a hub with a rim outwardly spaced from said hub by a plurality of radially spaced spokes extending between said hub and said rim, said hub having a rearward extension with a rear opening, a post having one end extending within said rear opening and removably secured therein, a suction attaching cup having a hollow boss,

the other end of said post extending within said hollow boss and removably secured therein, said suction attaching cup adapted to be removably and instantly attached to any substantially flat surface of sufficient area to receive it so as to permit the wheel to be operated in simulated driving operations, a strap having a rounded portion attached to the rearward extension of said hub, said strap having a pair of spaced end portions, each with holes therethrough, means attaching said spaced end portions, a plate having a curved inner end positioned against said rearward extension of said hub immediately above said strap, said plate having a pair of downwardly extending portions attached to opposite portions of said strap, said plate having at its outer end a down-



wardly extending flange with an opening therethrough, said opening having four vertically and horizontally spaced rounded portions forming a clover leaf pattern simulating the positions of first speed, second speed, third speed and reverse, a rod having a knob on its outer end, and a ball on its inner end, said rod extending through the opening in the downwardly extending flange of said plate, said ball pivotally mounted between said spaced end portions of said strap, and in the holes of said end portions, said ball adapted to be pivoted between said spaced end portions of said strap upon movement of said rod to permit said rod to be moved into any of the four spaced rounded portions of the opening in the downwardly extending flange of said plate to simulate gear shifting.

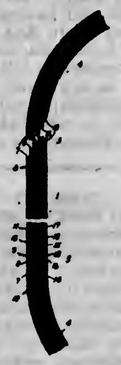
2,486,220

MAGNETIC CORE

Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application October 18, 1947, Serial No. 780,705

7 Claims. (Cl. 175—356)



5. In a magnetic core having a plurality of lamination layers, a joint whose length is short in comparison with the thickness of said core, said joint comprising a separated butt joint between the ends of lamination pieces in each lamination layer, said butt joints being staggered in an asymmetrically recurring pattern which includes at least three successive lamination layers so that in a perpendicular plane through any group of transversely aligned separated butt joints at least two-thirds of the cross sectional area of the core will be magnetic material.

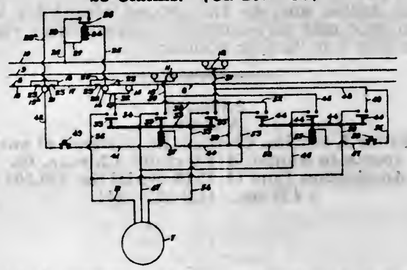
2,486,221

CRANE CONSTRUCTION AND APPARATUS

Ralph W. Spafford, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa

Application February 24, 1944, Serial No. 523,635

23 Claims. (Cl. 104—98)



10. A conveyor system comprising a bus bar system having two interruptions to provide a plurality of energized sections and two bus bar means interposed between said energized sections at said interruptions and insulated therefrom, a conductor normally disconnected from a first one of said insulated bus bar means, a conveyor for travelling alongside the bus bar system, two collector means carried by said conveyor for engaging said energized sections and respectively simultaneously engaging said interposed bus bar means as the conveyor travels, one of said collector means at the same time connecting the second one of said bus bar means with an energized section, and means controlled by said connection for connecting said conductor with said first insulated bus bar means.

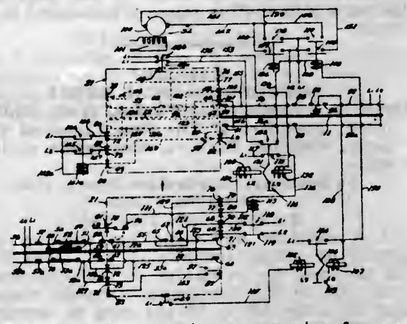
2,486,222

CONVEYER APPARATUS AND CONTROL SYSTEMS THEREFOR

Ralph W. Spafford, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa

Application May 5, 1945, Serial No. 592,245

12 Claims. (Cl. 104—128)



10. In a conveyor system, apparatus for controlling movement of a conveyor carrier from

one position to another comprising, means for supplying power, first contact means operated by said carrier in one of its positions for controlling said power supply means to supply power to said carrier, second contact means controlled by a conveyor running onto said carrier and independent of carrier movement for controlling said power supply means to remove power from said carrier, and third contact means also controlled by a conveyor running onto said carrier for effecting movement of a carrier with a conveyor thereon from one position to another position.

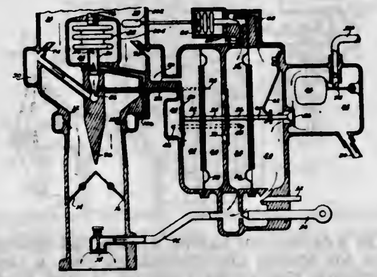
2,486,223

CARBURETOR

John H. Stresen-Reuter, Birmingham, Mich., assignor to George M. Holley and Earl Holley

Application February 15, 1947, Serial No. 728,801

4 Claims. (Cl. 261—39)



4. Fuel and air metering means for an aircraft pressure type carburetor adapted to maintain a combustible mixture at all air flows and at all altitudes comprising an air entrance, a first venturi therein, a second venturi discharging into the throat of the first venturi, a throttle valve in the outlet from the second venturi, pressure responsive bellows adapted to move said throttle toward the closed position at low pressures, a chamber enclosing said bellows, a passage connecting said chamber to the outlet from said second venturi, a temperature responsive element located in the air entrance, a temperature responsive valve connected to said element, a main fuel supply passage, a restriction therein, a moving wall responsive to the drop of fuel pressure at said restriction, a fuel valve controlling the flow of the fuel supply connected to said moving wall so that the fuel valve is moved towards its closed position by said moving wall as the fuel flow increases, a second moving wall responsive to the pressure difference between the air entrance pressure and the pressure in the throat of said second venturi also connected to said fuel valve so as to move said fuel valve towards its open position as the air flow increases, a relatively small bypass around said fuel restriction, said temperature responsive valve being adapted to be moved to its closed position as the temperature in the air entrance increases.

2,486,224

TRAVERSE CURTAIN ROD STRUCTURE

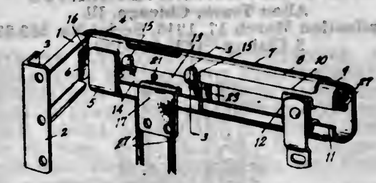
Frederick L. Stutz, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan

Application January 16, 1946, Serial No. 641,505

11 Claims. (Cl. 160—345)

1. In a traverse curtain rod construction, the combination of a supporting bracket having an open top curtain rod socket, there being an open-

ing at the inner edge of the inner wall of the socket, an extension rod of inwardly facing C section comprising an end member, a pulley block telescoped within said end member and comprising a supporting plate having longitudinally spaced tongues struck from the upper edges thereof and engaging and clamped upon the upper edge of the opening in the end member and a rearwardly offset downwardly projecting member longitudinally positioned between said tongues and engaging the lower edge of the opening in the end member, said supporting plate having a laterally



turned portion at its outer end disposed within said opening in said inner wall of the socket for retaining the rod within the socket, a guide pulley provided with a shouldered journal fixedly secured to said supporting plate, a pulley carrier pivotally mounted on said journal, said carrier having a laterally turned outer end constituting a stop, said supporting plate having stops struck inwardly from opposite edges thereof coacting with the stop of said pulley carrier, and a second guide pulley of less diameter than the first mentioned guide pulley journaled on the inner end of said carrier.

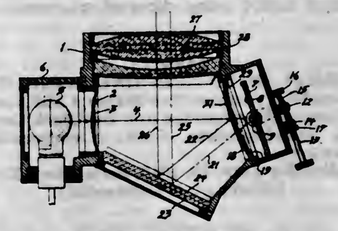
2,486,225

OPTICAL SYSTEM FOR PROJECTING A PLURALITY OF IMAGES OF ONE RETICLE OR IMAGE SOURCE BY MEANS OF A PLURALITY OF REFLECTORS

Malcolm G. Townsley, Park Ridge, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application June 29, 1946, Serial No. 680,355

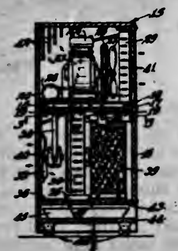
6 Claims. (Cl. 88—1)



1. In an optical imaging system for projecting a plurality of images from a single image source, the combination of an image source, a first reflector spaced from said image source along an axis along which light is received from said image source, a second reflector disposed between and spaced along said axis from said image source and first reflector, said second reflector being a partial reflector and said reflectors being similarly inclined across said axis and directed toward said image source to reflect two portions of light therefrom and the reflecting surface of one of said reflectors being spherical and positioned to reflect light from said image source in substantially the same direction as but on an axis laterally displaced from that of the light directed from said image source by the other of said reflectors, and an objective lens positioned to receive light reflected by said reflectors from

said image source and produce two images of said image source, one from each of said reflectors, said spherical reflector accommodating for the different light path distances between said image source and said objective lense incident to reflection of said light portions respectively by said reflectors for effecting substantially equal sharpness of said two images.

2,486,226
AIR CONDITIONING APPARATUS
Allen Trask, Chicago, Ill.
Application March 17, 1945, Serial No. 583,232
9 Claims. (Cl. 62—129)



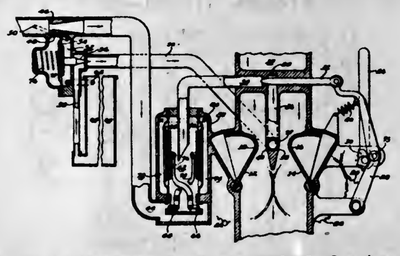
1. In air conditioning apparatus, a casing having an upper air inlet and outlet and a lower air inlet and outlet, a mounting panel adapted to be removably supported in said casing, a condenser-evaporator air cooling assembly carried by said mounting panel and capable of being installed in and removed from said casing as a substantially fully assembled unit, the condensing unit portion of said air cooling assembly being mounted on one side of said mounting panel, the evaporator portion of said air cooling assembly being mounted on the other side of said mounting panel, said mounting panel constituting a partition dividing said casing into two compartments and being located between said upper and lower air inlets and outlets, and said lower air inlet being disposed above said lower air outlet, and said upper inlet and outlet being directed upwardly.

2,486,227
HIGH-SPEED GRINDING SPINDLE
Clarence W. Tydeman, San Mateo, Calif., assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif., a corporation of Delaware
Application June 19, 1947, Serial No. 755,796
5 Claims. (Cl. 308—122)



1. In a high speed bearing and spindle assembly comprising, a tubular sleeve having its intermediate portion of less diameter than the ends, two angularly spaced passages extending longitudinally through the wall of the intermediate portion, a lubricating pump having its outlet port in communication with one of said passages and its intake port in communication with the other passage, an outer bearing in each end of the sleeve, a spindle journaled in the bearings, the lubricating pump forming a means for forcing oil outwardly between the bearing surface, the passage in communication with the intake port of the pump being in communication with the outer ends of the bearings, and an oil seal ring secured to the spindle at each end of the sleeve, said ring having a frustoconical flange flaring outwardly and towards the middle point of the sleeve, said flange terminating within the ends of the sleeve, whereby any oil contacting the inner surface of the flange will be thrown outwardly into engagement with the inner surface of the sleeve, in position to be returned to the pump.

2,486,228
ANTIDETONATING DEVICE
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application October 13, 1945, Serial No. 622,133
2 Claims. (Cl. 261—18)

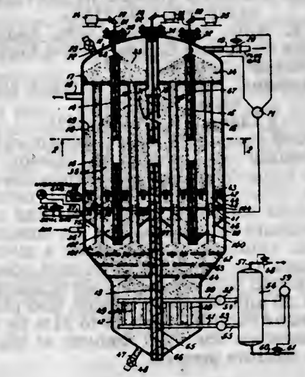


1. In a carburetor having a main fuel entrance, means for adding anti-detonating fuel, a source of ordinary fuel under pressure, a fuel venturi connected thereto in the main fuel entrance to said carburetor, a fuel tank containing anti-detonating fuel, a passage connecting the top of the anti-detonating tank to said ordinary fuel pressure line, an outlet from the bottom of said anti-detonating fuel tank, a passage connecting said outlet with the carburetor, a valve for controlling the flow through said passage, a moving wall responsive to the drop of pressure in said fuel venturi, mechanical means connecting said moving wall with said valve whereby said valve opens whenever the flow of the ordinary fuel exceeded a predetermined critical value.

2,486,229
METHOD AND APPARATUS FOR CONDUCTING GASEOUS REACTIONS IN THE PRESENCE OF SOLID PARTICLES
Ernest Utterback, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Original application April 20, 1944, Serial No. 531,924. Divided and this application June 27, 1946, Serial No. 679,728
13 Claims. (Cl. 196—52)

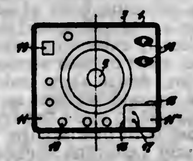
1. A method for the conversion of high boiling vaporous hydrocarbons to lower boiling gaseous hydrocarbons in the presence of a moving particle-form contact material which comprises: maintaining a substantially compact column of particle form contact material within an upper portion of a confined conversion zone and a substantially compact bed of said contact material within the lower portion of said conversion zone spaced below the bottom of said column, supplying fresh contact material to the upper end of said column at a temperature suitable for said hydrocarbon conversion, passing used contact material from near the bottom of said column as a plurality of horizontally spaced apart, confined, compact substantially vertical streams

onto the surface of said bed, whereby a single gas space is provided in said conversion zone around said confined streams, withdrawing contact material from the bottom of said bed so as to cause downward flow of contact material in said column and said bed, establishing a region of substantially static contact material in a lower portion of said column, introducing heated hydrocarbon vapors into the upper section of said column and passing said vapors downwardly within said column to effect conversion of said



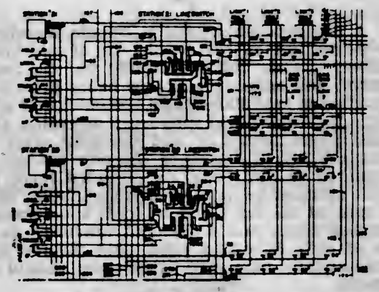
hydrocarbons to lower boiling gaseous hydrocarbon products, disengaging said gaseous products from the contact material in said static region and flowing the disengaged gas into a plurality of spaced apart gas collecting spaces in gas flow communication with said column, passing the collected gaseous products in confined streams from said gas collecting spaces to said single gas space above said bed and withdrawing said gaseous conversion products from said single gas space.

2,486,230
RADIO RECEIVER APPARATUS
Johannes Antonius van Lammeren, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1947, Serial No. 728,124
In the Netherlands July 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1964
3 Claims. (Cl. 250—16)



1. A radio receiving apparatus comprising a supporting panel having a front surface and a rear surface, wall portions extending rearwardly from said panel to form a cabinet structure therewith for said radio receiving apparatus, said supporting panel and said extending wall portions being of an integral moulded material, said panel having a portion thereof in a plane rearwardly displaced from and parallel to the plane of the remaining portion of said panel, an amplifier unit mounted on said rear surface of said rearwardly displaced panel portion, wiring mounted on said front surface of said rearwardly displaced panel portion, said remaining portion of said panel having an opening therethrough, a loudspeaker supported on said remaining portion of said panel with the magnetic unit thereof located within said cabinet structure, said loudspeaker being aligned with the opening in said panel for projecting sounds through said opening to the region at the front of said panel, and a removable front plate mounted on said cabinet structure and facing said front surface of said supporting panel for covering said wiring on said front surface.

2,486,231
PRIVATE AUTOMATIC TELEPHONE EXCHANGES EMPLOYING NONNUMERICAL SWITCHES FOR INTERCONNECTING LOCAL LINES, AND FOR INTERCONNECTING LOCAL LINES AND TRUNK LINES
John H. Voss, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 29, 1945, Serial No. 602,231
27 Claims. (Cl. 179—18)



1. In a telephone system, subscribers' lines each having two connect keys, individual lineswitches terminating said subscribers' lines, two groups of trunks accessible to said lineswitches, a master switch for directing said lineswitches, means controllable over a calling subscriber's line responsive to the actuation of one of the two keys of said calling line for operating said master switch to position the lineswitch of said calling line in alignment with a trunk of one of said groups and then automatically cause said lineswitch to seize said one trunk, said means also controllable over said calling line responsive to the actuation of the other key of said calling line for operating said master switch to position the lineswitch of said calling line in alignment with a trunk line of said other group and then automatically cause said lineswitch to seize said one trunk of said other group.

2,486,232
WRINKLE FINISH
William A. Waldie, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application April 19, 1947, Serial No. 742,729
26 Claims. (Cl. 260—23)

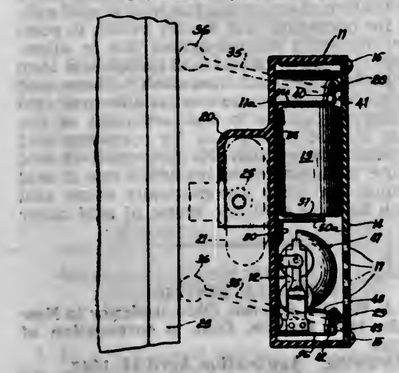
1. In a method of making a wrinkling coating composition, the step of mixing from 1 to 10 parts by volume of a resin solution having from 0.5 to 1 pound of polyvinyl butyral resin per 1 gallon of solvent with 1 part by volume of a glyceride of conjugated double-bonded oil fatty acid in which from one to two of the hydroxyl groups of the glycerine are bonded to said acid radical.

2,486,233
FOLDABLE DIP NET
Kenneth C. Wallingford, Tulsa, Okla.
Application July 24, 1947, Serial No. 763,317
2 Claims. (Cl. 43—12)



1. A dip net comprising a handle member, a flexible net bow carried by one end of said handle member, a slide collar mounted on the handle member, the ends of said bow being detachably connected in said slide collar, the outer end of the handle terminating in forwardly diverging arms, pivoted loops carried by said diverging arms, and through which the ends of the bow extend and are guided to contracted or extended form, said handle member being formed from tubular material split at its outer end to form the forwardly diverging arms, and a segment anchored in the ends of said diverging arms, said pivoted loops being pivotally connected to the outer ends of said segment.

2,486,234
BURGLAR ALARM
Philip Walters, Chicago, Ill.
Application March 24, 1949, Serial No. 83,277
6 Claims. (Cl. 177—314)



1. A portable self-contained burglar alarm comprising a casing, supporting means associated with said casing for mounting said casing on a door knob, means for clamping said supporting means to said knob whereby pivotal movement of the door knob causes pivotal movement of said casing, an alarm supported by said casing, a replaceable source of electrical energy supported by said casing, a control circuit including a switch for connecting said source to actuate said alarm, and weight operated means for said switch adapted to be held in the non-operative position by engagement with the frame of a door associated with said door knob, said weight operated means closing said switch in response to either pivotal movement of said knob or opening movement of said door.

2,486,235
HARD SMOOTH CRAZE-RESISTANT SURFACE COATING
William T. Watt, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 2, 1945, Serial No. 580,731
1 Claim. (Cl. 154—45.9)

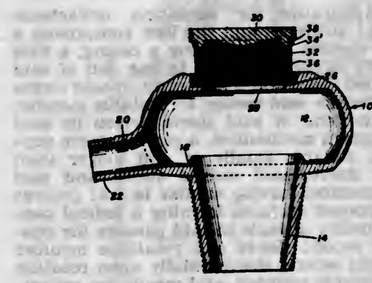
A plywood carrying a hard, smooth, craze-resistant coating on the surface thereof, which coating is a cured polymer of a composition comprising a polymerizable methylated melamine-formaldehyde condensation product and a compatible mixture of styrene and an unsaturated alkyd resin obtained by esterifying a glycol and fumaric acid, the weight ratio of said condensation product to said polymerizable mixture being between 1:20 and 3:2 and in which said polymerizable mixture contains from 28 to 34% by weight styrene based on the total amount of the polymerizable mixture present.

2,486,236
SPORT GARMENT
Irving E. Yates, Bronx, N. Y.
Application July 23, 1948, Serial No. 40,282
8 Claims. (Cl. 2—128)



8. An open-front shirt-like garment, comprising a front portion which includes two sections separable along a line extending diagonally from a point offset from the vertical center line of the front of the garment down to a point above the bottom of the garment, both of said sections below the bottom of such diagonal line having substantially vertically extending edges both shorter than said line, each of said sections including a panel extending down along said section, said panels carried by said sections so that when the latter are arranged to close the front of the garment one panel is in overlapping relation to the other panel, and fastening means for said sections incorporating fastener elements carried by and spaced along one panel and complementary fastener elements carried by and spaced along the other panel, one of said panels having an inner and an outer ply with said outer ply integral with the fabric of its carrying section, said section being folded on itself to provide said two plies, the other panel including a supplementary strip edge seamed to the section for carrying that panel, such seaming including a line of stitching applied through said supplementary strip and also through two plies of the last-named section established by folding the latter inwardly on itself, said supplementary strip being folded inwardly on itself to provide an inner ply and an outer ply for the last-named panel, and the last-mentioned two plies and the two plies of the supplementary strip established by the second-mentioned fold being secured together by a line of stitching through all four such plies, whereby the only structural details of the last-named panel displayed at the front of the garment are the said second-mentioned fold and the last-mentioned line of stitching, the fastening elements respectively carried by the two panels being such that when said elements of one panel are coupled to the complementary elements of the other panel, the second-named panel underlies the first-named panel, said fastening elements carried by the second-named panel piercing only the said outer and inner plies of said panel but thus piercing said plies so closely adjacent said first-mentioned fold that the center lines of said fastening elements all substantially intersect the first-mentioned fold but without piercing anywhere any part of the section carrying said panel.

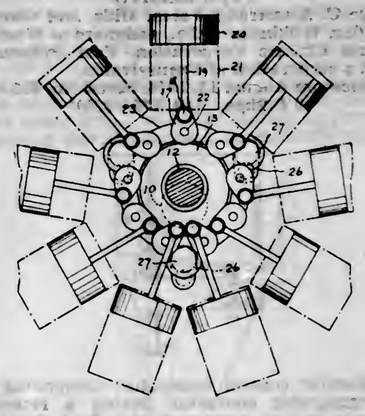
2,486,237
WINE BUNG
Thomas J. Adams, Manitowoc, Wis.
Application April 28, 1947, Serial No. 744,286
4 Claims. (Cl. 217—98)



1. A bung comprising a hollow body, an attaching sleeve depending from the body, outlet means carried by the body, said body having a recess in its upper portion and an air vent in the recess communicating with the body, a cylindrical, open-ended screen, a closure cap, and means removably securing the closure cap to one end of the screen, said closure cap and the free end of said screen being selectively engageable in the recess for closing or screening the vent.

2,486,238
CONNECTING ROD MECHANISM FOR ENGINES AND PUMPS
James Aiken, Garden City, N. Y.
Application June 7, 1946, Serial No. 675,209
31 Claims. (Cl. 74—52)

1. An engine or pump having a plurality of cylinders and having crank mechanism comprising a primary crank shaft, a primary crank pin carried by the shaft, an annular member encircling the axis of the crank pin, a plurality of secondary cranks mounted on said member on axes spaced from each other, means whereby the secondary cranks are all caused to turn in the same direction but in a direction opposite to the direction of rotation of the primary crank shaft, secondary crank pins carried by the secondary cranks and having orbits spaced outwardly from and around the orbit of the primary crank pin and having resultant straight line motion in a radial direction, and piston connecting members jointed to the said secondary crank pins.

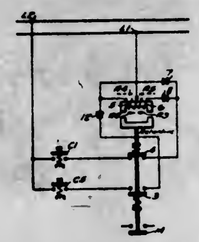


2,486,239
RELAY
George C. Armstrong, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1945, Serial No. 586,287
9 Claims. (Cl. 200—122)



1. An electric relay comprising a container structure having a lower portion and an upper portion separated from each other, a conduit forming a communication between said container portions, a quantity of mercury normally enclosed by said lower portion, a quantity of volatile liquid disposed within said lower portion above said mercury, heating means for causing said liquid to volatilize in order to push mercury through said conduit into said upper portion, valve means effective between said conduit and said upper portion and being displaceable between two positions to permit the flow of mercury only in the direction from said lower portion into said upper portion when in one of said positions while permitting the flow of mercury in said direction as well as in the opposite direction when in said other position, adjusting means for selectively placing said valve means into said respective positions, and manually operable resetting means for releasing said valve means when set in said one position so that then the return flow of mercury from said upper portion to said lower portion occurs only upon actuation of said resetting means, and insulated contacts associated with said container structure to be electrically interconnected and disconnected by said mercury depending upon the change in mercury level caused by said heating means.

2,486,240
ELECTRIC CIRCUIT FOR RETENTIVE TYPE RELAYS
George C. Armstrong, Forest Hills, and Owen L. Taylor, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 18, 1945, Serial No. 611,412
9 Claims. (Cl. 175—320)



1. Electric control apparatus, comprising an electromagnetic contactor having a retentive magnetic system composed of a field structure and a biased armature and capable of holding the armature against its bias in closed position due to retentive magnetism and of releasing the armature for motion under its bias into open position when the system is demagnetized, said contactor having a normally closed first contact and a normally open second contact, both contacts being connected with said armature to be controlled thereby, two series-connected coil sections inductively associated with said field structure and wound for cumulatively magnetizing said system, said two coil sections having an intermediate circuit point in common, two rectifier units series-connected with each other and with said coil sections to form a loop circuit and having the same rectifying polarity relative to said loop circuit, said two rectifier units having another intermediate circuit point in common, two alternating-current terminals attached across said loop circuit at said two points respectively, a normally open control contact, said control contact and said normally closed contact being series arranged with said loop circuit between said terminals, and a demagnetizing circuit extending between said terminals in series with at least one of said coil sections and including a normally open stop contact and a current limiting circuit member.

2,486,241
METHOD FOR PREPARING POLYMERS AND COPOLYMERS OF ACRYLIC ACID NITRILES
Harold W. Arnold, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 17, 1942, Serial No. 458,711
4 Claims. (Cl. 260—85.5)

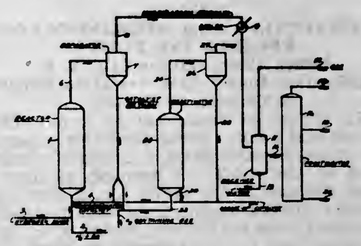
1. A process for the production of a copolymer of an acrylic acid nitrile with a polymerizable unsaturated compound containing a single ethylenic double bond which consists in creating a dispersion of said polymerizable unsaturated compound in admixture with from 5% to 95%, based on the total quantity of monomer present, of a nitrile of monounsaturated monocarboxylic acid having a methylene group attached by a double bond to its alpha-carbon atom in an aqueous medium in which the ratio of aqueous to non-aqueous phase ranges between 10:1 and 1:1 and which contains from 0.1% to 10%, based on the quantity of monomer present, of an oxygen-yielding peroxy compound and from .001% to 5%, based on the quantity of monomer present, of an alkali-metal sulfite and then effecting polymerization of said nitrile and said polymerizable unsaturated compound in said dispersion by maintaining the same at a temperature ranging from 0° C. to its boiling point.

2,486,242
ACTUATING MECHANISM FOR RETRACTABLE LANDING GEAR, DOORS, FLAPS, AND THE LIKE OF AIRPLANES
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application January 17, 1944, Serial No. 518,524
5 Claims. (Cl. 244—102)



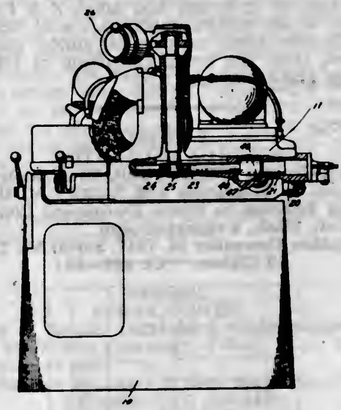
1. An apparatus for actuating retractable elements of airplanes and the like, comprising a reversible electric motor having a casing, a first sleeve fixed at its inner end to one end of said casing, speed reduction mechanism in said sleeve and actuated by said motor, a rotatable member at the outer end of said sleeve driven by said speed reduction mechanism, a second sleeve supported on, slidable axially of and longer than said first sleeve, said second sleeve and said rotatable member having similar helical grooves in their opposed surfaces forming a helical passage, a plurality of balls in said passage for coupling said second sleeve and rotatable member to move said second sleeve axially upon rotation of said rotatable member, and means for returning said balls from one end of the helical groove in said rotatable member to the other end.

2,486,243
SIMULTANEOUS DEHYDROGENATION AND HYDROCARBON SYNTHESIS WITH FLUIDIZED CATALYSTS IN A SINGLE REACTOR
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application January 6, 1948, Serial No. 759
8 Claims. (Cl. 260—449.6)



1. A process for the production of liquid hydrocarbons by the reaction of hydrogen with carbon monoxide which comprises passing a mixture of carbon monoxide and hydrogen into contact with a hydrocarbon synthesis catalyst in a reaction zone under reaction conditions effective for synthesis of liquid hydrocarbons, simultaneously passing to the reaction zone a naphthenic hydrocarbon in vapor form into contact with a separate catalyst effective for dehydrogenation of said hydrocarbon, maintaining reaction conditions such that both of said reactions are effected to a substantial extent, maintaining the separate catalysts in fluidized condition within the reaction zone under conditions such that one of the catalysts is selectively entrained in the resulting gaseous reaction products, withdrawing said reaction products containing entrained catalyst from the reaction zone, and supplying additional amounts of said catalyst to the reaction zone.

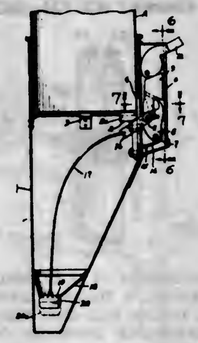
2,486,244
GRINDING WHEEL FEED MECHANISM
Harold E. Balsiger and Ralph E. Price, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application February 21, 1946, Serial No. 649,262
9 Claims. (Cl. 51—2)



8. In a grinding machine, a grinding wheel support, a work support, hydraulic means for effecting relative movement of one of said supports toward and from operative position, including a piston and cylinder, a jet of fluid in the path of one of said moving parts, a common supply of fluid under pressure for said hydraulic means and said jet, a mechanism for initiating movement of said support away from said operative position, said jet of fluid being restricted at a predetermined point in said movement toward operative position, and means responsive to the change in pressure due to said restriction of said jet for initiating operation of said mechanism.

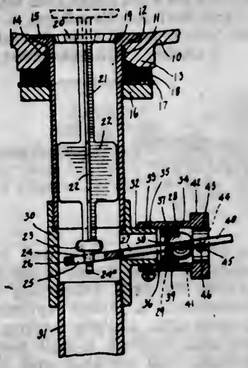
2,486,245
DEVICE FOR DISPENSING LUBRICATING OIL
Fred G. Bates, Detroit, Mich.
Application December 8, 1944, Serial No. 567,261
2 Claims. (Cl. 222—83.5)

1. A dispenser including an annular container open at the top and bottom, said container being of uniform cross section from its upper extremity for a portion of its length to receive a can, the lower portion of the container being of decreasing cross sectional area toward its bottom extremity, said container being rigid throughout its length whereby when its bottom extremity is inserted in a filler pipe the container is substantially vertically supported thereby, an annular seat in the container adjacent its lower extremity so that all oil flowing therefrom passes through the seat, a closure adapted to rest on said seat, spaced supporting means including a striker plate on the interior of the container toward its upper extremity to support the base of the can, a housing mounted on the outer face of the container, the latter being vertically slotted to provide an opening into the housing, a blade pivoted in the



housing adapted to move inwardly through the slot and downwardly in the container adjacent the striker plate to cut one side and the base of the can so that the severed portions of the base are bent downwardly, means for forcing the blade inwardly and downwardly, spring means for moving the blade in the opposite direction, and means pivotally connected to the blade and to the closure for moving the latter away from the seat as the blade is moved inwardly and downwardly and for moving the closure toward the seat as the blade is moved in the opposite direction.

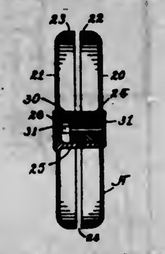
2,486,246
SNAP ACTION DRAIN CONTROL DEVICE
Henry F. Beeke, Delphi, Ind.
Application July 31, 1945, Serial No. 607,938
3 Claims. (Cl. 4—199)



1. In a snap action control for a drain valve, the control having a ball, means rigid therewith and extending oppositely therefrom, guide means having an elongated slot for limiting the first mentioned means to oscillatory movement to a single plane, and support means for the ball, the combination of means extending toward the first mentioned means and at the neutral position

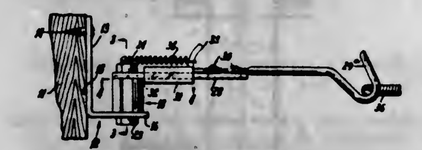
thereof and directed transverse to the oscillatory plane, and yielding means constraining the transversely disposed means toward said plane and into engagement with the rigid means.

2,486,247
PIPESTEM CLEANER
Irving Berlin, Frank L. Graham, and De Witt McCann, Los Angeles, Calif.
Application October 28, 1946, Serial No. 706,152
2 Claims. (Cl. 131—245)



1. The combination of a housing and a pipe cleaner comprising, a flanged member provided with a central hollow hub with diametrically opposite slots extending inwardly from the free end thereof, a pipe cleaner consisting of a frangible wire and bristles, one end of the wire being secured to the hub by extending through the slots, a substantial portion of the remainder of the wire forming a coil about the hub, the free end of the wire extending outwardly past the flanged portion of the member, a second flanged member having a solid hub fitting in the hollow hub of the first member, both members constituting a housing for the pipe cleaner with their flanged portions facing inwardly toward each other, said members being formed of a material adapted to be readily flexed, whereby the flanged portions adjacent the free end of the pipe cleaner may be squeezed together sufficiently to facilitate breaking the cleaner.

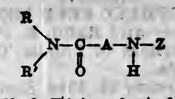
2,486,248
SAFETY CLOTHESLINE HOOK
Jack Berman, Brooklyn, N. Y.
Application November 1, 1946, Serial No. 707,187
1 Claim. (Cl. 248—290)



A device of the class described comprising a support adapted to be secured to a wall, said support having an arm extending horizontally outward therefrom, a hollow cylinder mounted upright on said arm, a plate having an opening through one end thereof, a bolt having a head passing through said opening and through said cylinder thereby rotatably mounting said plate on said cylinder between said head and said cylinder, said plate having a hook on the end thereof and having a carriage slidably mounted thereon, said cylinder having spaced longitudinal radial grooves, said carriage having an upwardly extending finger on its outer end and having a dog on its other end, said dog being selectively registrable in said grooves, said bolt head having a projection upward therefrom, a coiled tension spring having one end secured to said projection and the other end secured to said finger thereby normally urging said carriage toward said cylinder and tending to releasably lock said dog in one of said grooves.

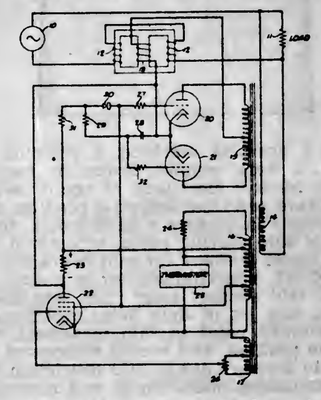
2,486,249
ACYLAMINO-N-SUBSTITUTED AMIDES
Paul G. Bird, Western Springs, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 19, 1947, Serial No. 762,197
5 Claims. (Cl. 260—404.5)

1. An acylamino-N-alkylated amide having the formula:



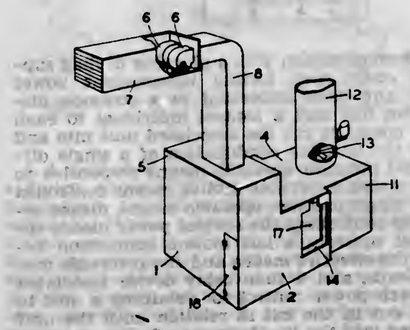
wherein R is alkyl, R' is selected from the group consisting of hydrogen and alkyl, Z is the acyl radical of an organic monobasic acid linked to the nitrogen atom to form an amide, and A is selected from the group consisting of alkylene, arylene, and aralkylene.

2,486,250
VOLTAGE REGULATOR
William Herbert Bixby, Detroit, Mich., assignor to Donald R. Middleton and Stanley M. Hanley, doing business as Power Equipment Company, Detroit, Mich., a copartnership
Application December 24, 1947, Serial No. 793,697
19 Claims. (Cl. 323—89)



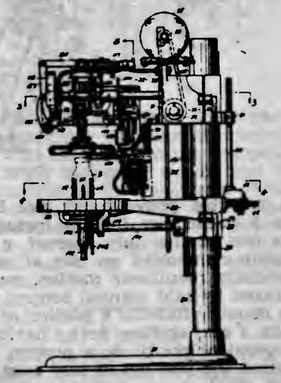
14. An alternating voltage regulator for minimizing voltage changes across a load to which alternating current is supplied from an alternating current source, comprising a saturable reactor having a first winding through which current from said source is supplied to said load and a second winding, a transformer having a primary winding connected across said load and a plurality of secondary windings, a full wave rectifier comprising a first secondary winding of said transformer and a first and a second space current device for supplying rectified current to said second winding of said reactor to control the impedance of said first winding of said reactor, a current path comprising in series a first and a second resistance means, one of said resistance means having a resistance-current characteristic such that its resistance increases in response to a change in a certain direction of the root-mean-square value of current flowing in said current path, the other of said resistance means having a resistance-current characteristic which differs from that of said one of said resistance means, means for connecting said current path to a second secondary winding of said transformer to cause alternating current to be supplied thereto, a third space discharge device having an anode, a cathode and a control electrode, a first resistor, means for connecting said first resistor and the anode-cathode path of said third space current device in series to said second secondary winding of said transformer to cause a pulsating current to be supplied thereto, a circuit connecting the control electrode and cathode of said third space current device comprising in series one of said resistance means and a third secondary winding of said transformer, the voltage across said one of said resistance means and the voltage across said third secondary winding being in phase opposition in said control electrode-cathode circuit of said third space current device, a circuit connecting the control electrode and cathode of said first space current device comprising in series said first resistor and a portion at least of said second secondary winding, a circuit connecting the control electrode and cathode of said second space current device comprising a condenser, a second resistor, an asymmetrically conducting element, a circuit for charging said condenser comprising in series said second resistor, said asymmetrically conducting element, said portion of said secondary winding and said first resistor, all in series, a third resistor, and a discharge circuit for said condenser comprising said first, second and third resistors, all in series.

2,486,251
SPRAY BOOTH
Charles A. Braun, Perrysburg, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application February 6, 1948, Serial No. 6,798
5 Claims. (Cl. 91—60)



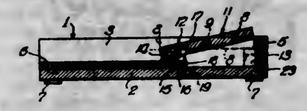
1. In a spray booth of the type described, a spray painting chamber, means for exhausting air from said spray painting chamber, an entering chamber at one side of said painting chamber, an opening from the exterior of the booth into said second chamber and an opening between the chambers, each of said openings being less in area than the area of the cross section of the entering chamber, said openings being provided for the introduction of articles to be painted to the painting chamber, and means for supplying air to the entering chamber in sufficient volume to insure a flow of air therefrom through the opening to the exterior of the booth and through the opening into the painting chamber.

2,486,252
MACHINE FOR FORMING AND APPLYING HOOD CAPS TO BOTTLES
Arthur J. Briggs, Syracuse, N. Y., assignor of one-half to William L. Hinds, Fayetteville, N. Y.
Application November 17, 1944, Serial No. 563,842
7 Claims. (Cl. 226—83)



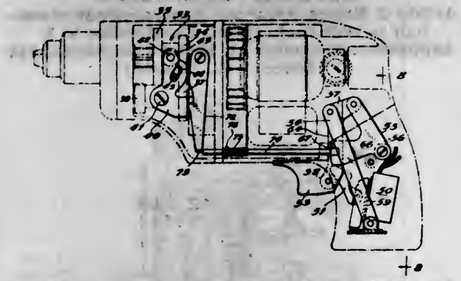
1. A machine for applying hood caps to bottles comprising a tubular magazine arranged to support a plurality of thin, flexible disks in stack formation, a cap transfer member, a cap forming member, a disk transfer member, mechanism for moving said latter member into engagement with said stack formation and thereafter effecting movement of said member to transfer a disk from said stack formation to said cap forming member, said disk transfer member being cooperable with said cap forming member to form the disk into hood cap form and position the formed cap in said cap transfer member, a bottle support, mechanism operable to move said cap transfer member to position the formed cap above the top of a bottle positioned on said bottle support, and means operable to effect relative axial movement between the bottle support and said cap transfer member to position the cap on the top of the bottle.

2,486,253
DESK PAD
Louis L. Bresler, Chicago, Ill.
Application May 23, 1946, Serial No. 671,730
4 Claims. (Cl. 281—44)



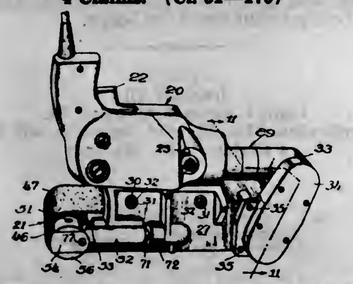
1. In a desk pad, a frame having a continuous rear upstanding wall and continuous side walls and open at the front for receiving a stack of loose sheets, and a base, stop means upon said base in spaced relation from the rear wall, a clamping plate extending between the rear parts of said side walls, pivot pins connecting said plate with the side walls providing a teeter-like action for said plate and a friction strip secured to the lower forward portion of said plate adapted for engaging and clamping loose sheets to said base.

2,486,254
CONTROL MECHANISM FOR ELECTRICALLY DRIVEN TOOLS
Theodore S. Briskin and Joseph C. Zivny, Chicago, Ill., assignors to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application November 10, 1944, Serial No. 562,897
5 Claims. (Cl. 74—472)



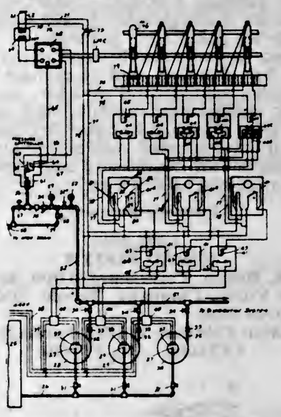
1. In a portable power hand tool having a housing, a four-member linkage including said housing as one of the links thereof, a manual control member mounted on one of said links for substantially rectilinear motion, an electric switch engaged by said manual control element, a blocking member forming a portion of another of said links, a gear shifting device having a plurality of operative positions, a pivoted member for controlling the position of said gear shifting device, and displaceable means engaging said pivoted member and said blocking member, said displaceable means being operative when said blocking member is in blocking position to lock said pivoted member in one of a plurality of positions each of which corresponds to an operative position of said gear shifting device whereby said gear shifting device cannot be moved from one operative position to another except when said manual control element is in a certain position.

2,486,255
POWER-DRIVEN TOOL
Theodore S. Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1945, Serial No. 589,205
4 Claims. (Cl. 51—170)



1. A power driven tool comprising a separable power unit of the hand drill type provided with a housing having a handle projecting therefrom for manipulation of said tool and a chuck, in combination with a tool unit, said power unit having a dove-tail tongue extending from the surface of said housing and disposed substantially parallel to the axis of said chuck, said tool unit comprising a frame including an overhanging plate member having a recessed surface adjacent the housing of said drill, a pair of under-cut strips disposed on said recessed surface and spaced from each other to form a dove-tail groove for cooperation with said dove-tail tongue, one of said strips being secured to said recessed surface, screw means to secure slidably the other of said strips to said recessed surface in a manner to permit of a limited amount of movement toward and away from said first mentioned strip, a tapped bore in said frame having an enlarged portion intersecting said recessed surface, a plug fitting in said enlarged portion of said bore and engaging said second mentioned strip, a screw extending through said plug and engaging said tapped bore for urging said plug into engagement with said slidable strip for gripping said dove-tail tongue, a driven shaft for said tool unit disposed in axial alignment with said chuck when said dove-tail tongue is received in said dove-tail groove and terminating in a tang whereby the driven shaft may be slid into driven engagement with said chuck and said parts locked in operative position.

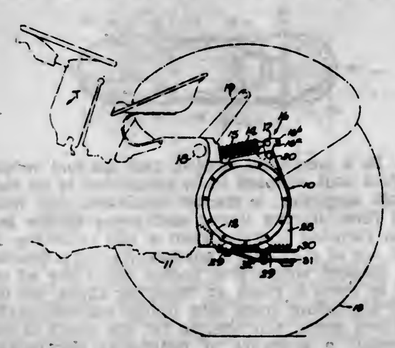
2,486,256
PUMP CONTROL SYSTEM
Chauncey M. Buck, Indianapolis, Ind.
Application August 31, 1944, Serial No. 552,172
10 Claims. (Cl. 103—11)



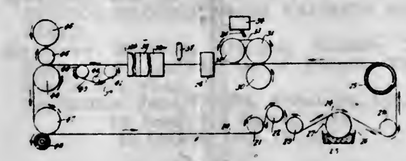
1. In combination with a plurality of fluid supplying units each having independent power means and each connected to a common distribution line and a control individual to each power means to cut the associated unit into and out of the line, the combination of a single differential pressure operable means responsive to line pressure, reversible motive means controlled by the single pressure operable means, means selectively controlling the several power means individual controls, a lost motion connection between the selective means and the reversible motive means, and a time delay device associated with each power control for retaining a unit to be cut out in the cut in relation until the unit to be cut into the line becomes effective thereon.

2,486,257
TRACTOR HITCH AND DIFFERENTIAL HOUSING
Ernest V. Bunting, Dearborn, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application November 2, 1945, Serial No. 626,395
4 Claims. (Cl. 280—33.44)

1. A tractor differential housing having on its upper portion a boss flanked by a pair of lugs laterally spaced therefrom, said boss and lugs having registering holes therein arranged in horizontal alignment transversely of said housing, a bushing in said hole in said boss protruding laterally therefrom toward each of said lugs but spaced from the latter, a shackle having leg portions journaled on the protruding portions of said bushing to rock fore and aft of said housing, and a coupling pin removably inserted through said registering holes, the portions of said pin exposed between said lugs and the ends of said bushing being adapted to receive the legs of a connecting yoke or the like.

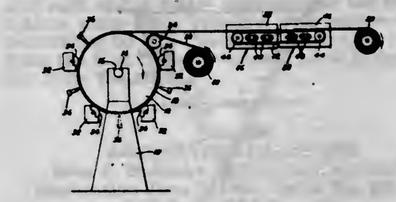


2,486,258
METHOD FOR PRODUCING FILMS BEARING DESIGNS
Marc A. Chavannes, Lisbon, Conn., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y., a corporation of Delaware
Application March 22, 1946, Serial No. 656,432
8 Claims. (Cl. 18—57)



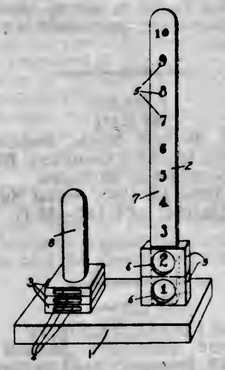
1. A method of producing a flexible film bearing a design, comprising the steps of printing, on a permanent, smooth surface of a continuously-advancing carrier, a design of a film-forming substance comprising a vinyl resin and a solvent therefor, drying said design, said surface being only lightly adhesive to vinyl resin when the latter is dried thereon, forming over said design and over exposed portions of said surface of said carrier a continuous layer of a film-forming organosol comprising a vinyl resin, a plasticizer, and a diluent, said organosol being sufficiently inert in relation to the dried design not to cause smearing thereof, drying said layer, fusing said layer, to form a strippable, self-supportable film which adheres to said dried design more strongly than said design adheres to said surface, and stripping said dried and fused layer together with said design as a continuous operation from said permanent, smooth surface of said carrier by applying tension to said layer in a direction away from said carrier.

2,486,259
METHOD FOR PRINTING ON THERMOPLASTIC SHEETLIKE MATERIAL
Marc A. Chavannes, Lisbon, Conn.
Application September 6, 1947, Serial No. 772,490
5 Claims. (Cl. 101—211)



4. A method for decorating sheet-like resinous material comprising the steps of printing on said material with an ink, said ink comprising resin having a lower molecular weight and lower softening temperature than the resin of said material, and a liquid vehicle which will not attack said material, drying said ink, and heating said material to a temperature sufficiently high to render said ink tacky and to bond said ink to said material.

2,486,260
EDUCATIONAL APPLIANCE
Clifford C. Church, Needham, Mass.
Application October 31, 1945, Serial No. 625,792
2 Claims. (Cl. 35—31)



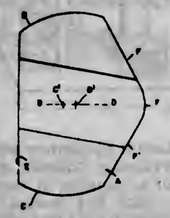
1. An educational appliance comprising a base, a post rising vertically therefrom and having on one side thereof a column of numerals arranged in serial order with the lowest numeral at the bottom of the column and the highest numeral at the top, said numerals being equally spaced from each other, and a plurality of blocks identical in size and shape, each block having an opening extending vertically therethrough and of a size to receive said post, whereby the blocks can be mounted on the post one above the other, the spacing of the numerals on the post being the same as the vertical dimension of each block and the bottom numeral being spaced from the base by a distance less than the vertical dimension of any block, whereby when a plurality of blocks are thus mounted on the post, each block encloses a portion of the post carrying a numeral, each block having a window in its front vertical face situated to register with the numeral on the post enclosed by the block and of sufficient size so that said numeral can be read through the window.

2,486,261
TOMATO PLANT RACK
James C. Claiborne, Arlington Heights, Va.
Application September 4, 1946, Serial No. 694,771
1 Claim. (Cl. 47—46)



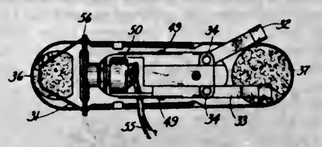
In a collapsible tomato plant rack, the combination, which comprises, a plurality of frames each including a pair of interlocking stakes with pointed lower ends, each stake being L-shaped in cross section and positioned with two of the legs thereof overlapping and the other legs forming parallel base members perpendicular to the overlapping legs, means pivotally connecting the stakes at points spaced from the lower ends thereof, rack supporting pins projecting from the inner surfaces of the stakes with the stakes open to the set up position, eyes projecting from the upper ends of the stakes, wires connecting the eyes of the stakes of the frames respectively maintaining the racks in set up positions, and plant supporting rails positioned on said rack supporting pins.

2,486,262
SPRAG
Carl K. Davis, Detroit, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application June 18, 1945, Serial No. 600,055
7 Claims. (Cl. 192—45.1)



1. In a one-way clutch including coaxial rotatable members having spaced concentric surfaces, a universal sprag engageable with clutches of different radial dimensions, said sprag having a predetermined width or pitch on its pitch circle, the inner and outer ends being of arcuate contour with the centers of the arcs located approximately in the pitch circle and spaced from each other, one side of said sprag being substantially parallel to a radius of the clutch from a point between said centers and the opposite side of said sprag being tapered oppositely from the pitch circle at equal angles to the radius whereby said sprag may be placed between concentric surfaces of cooperating clutch members in four different positions relative thereto respectively obtained by reversing it longitudinally and radially end for end.

2,486,263
MICROPHONE PICKUP AND VOLUME CONTROL
Harry De Armond, Toledo, Ohio, assignor to Rowe Industries, Toledo, Ohio
Application November 18, 1946, Serial No. 710,433
4 Claims. (Cl. 84—1.16)



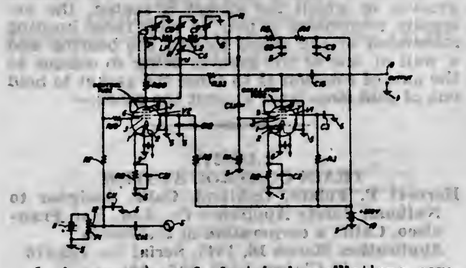
1. In a combined electric pick up and volume control unit adapted to be connected to an electronic amplifier, a plastic insulating coil form, said form having upper and lower flange portions forming therebetween a coil receiving recess, one of said flange portions having a depending magnet supporting holder cut away at one end to form a rheostat receiving space, an end wall depending from said flange portion having an open ended slot therein for the shaft of said rheostat; a plurality of individual electromagnets inserted in said form; a supporting plate adapted to support said unit with each of said individual electromagnets under a corresponding string on said instrument; a rheostat having an adjustable member supported from said end flange or said coil form; an opening in said plate; and a manually rotatable wheel connected to said rheostat extending through said opening for rotating said adjustable member.

2,486,264
VIOLIN MICROPHONE
Harry De Armond, Toledo, Ohio, assignor to Rowe Industries, Toledo, Ohio
Application September 27, 1947, Serial No. 776,501
6 Claims. (Cl. 84—1.15)



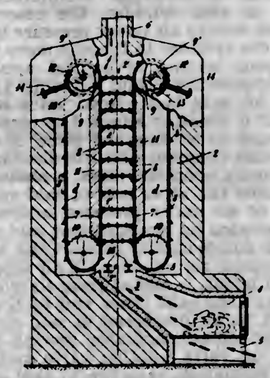
1. In a violin electric pick-up device, an electromagnet; a variable rheostat therefor; a casing for enclosing said electromagnet and supporting said rheostat comprising an elongated cover; a depending side wall integral with said cover; an outwardly extending flange on the bottom of said wall; a thin magnetic diaphragm underneath said magnet below said flange; a rubber supporting base for said casing having a marginal rim surrounding said flange with said diaphragm loosely supported above said base; an opening in said base; and a soft contacting pad attached to said diaphragm and extending through said opening, said pad adapted to contact and receive sound vibrations from the violin case.

2,486,265
VARIABLE FREQUENCY OSCILLATOR
Fred R. Dennis, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1947, Serial No. 736,437
10 Claims. (Cl. 250—36)



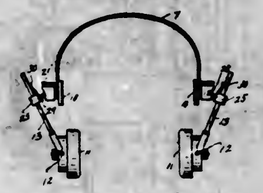
1. A generator of electrical oscillations comprising an electron discharge device having input and output circuits, means for regeneratively coupling said output circuit with said input circuit comprising a plurality of phase-shifting networks connected in tandem and constituting means for yielding a total phase shift therein corresponding to one of the values of substantially 180 degrees and an integral multiple thereof at the operating frequency of said oscillations, and frequency controlling means including an auxiliary variable reactance controlled transmission path for introducing variable reactance into said phase-shifting networks and thereby changing said frequency of said oscillations, said variable reactance path being operatively connected between two connection points on said phase-shifting networks the phase shift between which corresponds to one of the values of substantially 90 degrees and an integral multiple thereof at said operating frequency.

2,486,266
METHOD AND APPARATUS FOR MANUFACTURING BLOCKS FROM VARIOUS MATERIALS
Alejandro Heriberto Duggan, Rodolfo Pedro Toots, and Eugenio David Dubois, Venado Tuerto, Argentina
Application June 8, 1945, Serial No. 598,396
In Argentina May 3, 1945
12 Claims. (Cl. 18—34)



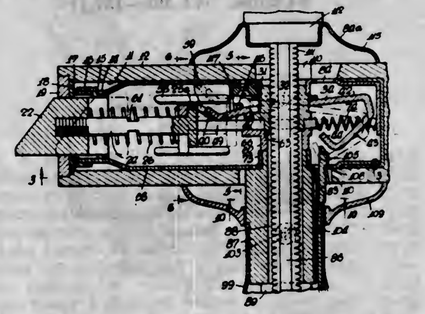
9. An apparatus for the production of blocks from pulverulent material comprising a mold having a bottom, and side walls hinged to the bottom and an open top, a plurality of pressure plates insertable within said mold and slidable therein, said plates being adapted to be spaced apart within the mold by material, the top and bottom of said plates being provided with wedge-shaped projections on the interior faces thereof and each of the plates intermediate the top and bottom plate being provided with wedge-shaped projections on both faces thereof, the projections from the face of each adjacent plate being offset one from the other.

2,486,267
ADJUSTABLE EARPHONE
Ross E. Dulinsky, San Francisco, Calif.
Application June 2, 1945, Serial No. 597,297
1 Claim. (Cl. 179—156)



In combination with a head clamp, of means for adjustably positioning an ear phone relative to the ear of the user, said means comprising a casing equipped with an open upper end, a concave base, and an apertured front wall, a ball housed in said casing, an extension carried by said ball and having a shoulder formed thereon, a concave pliable plate positioned on the base of said casing for receiving thereon said ball, a cap threadedly secured in the open end of said casing and capable of retaining said ball in a fixed adjusted position within said casing, a collar having a flat side wall, said collar being supported by the extension of said ball exteriorly of the apertured front wall of said casing, a spindle for the ear phone receivable in the collar and detachably secured thereto, and a spring member extending upwardly relative to said collar and in frictional contact with said ear phone spindle, said spring member being interposed between the flat wall of said collar and the shoulder of the ball extension.

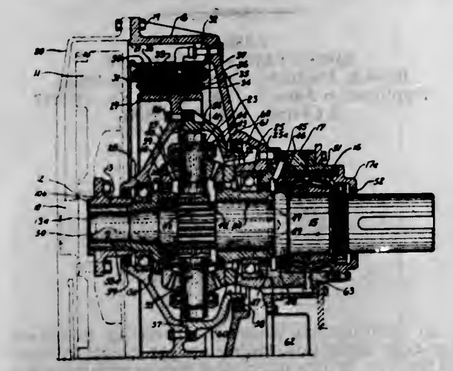
2,486,268
TUBULAR KNOB LATCH
Andrew Erkkila, Fitchburg, Mass., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application February 7, 1946, Serial No. 646,619
18 Claims. (Cl. 292—169)



1. In a spring projected latch, a retractor, inside and outside hubs in aligned relationship,

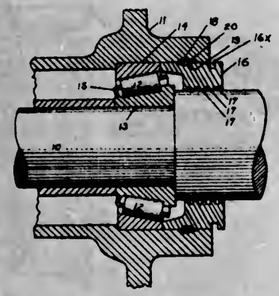
each independently operable upon said retractor, a single spindle for said hubs, the outside hub being keyed to said spindle, the inside hub having keying engagement with a knob journaled on said spindle.

2,486,269
POWER TAKE-OFF GEARING
Thomas L. Fawick, Akron, Ohio
Application September 8, 1945, Serial No. 615,181
2 Claims. (Cl. 74—777)



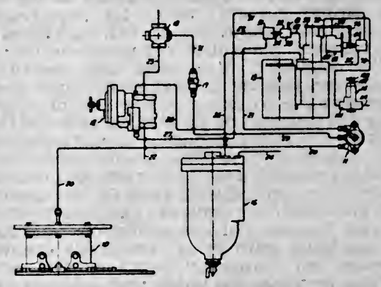
1. A power transmitting mechanism comprising a stationary outer housing, two coaxial bevel gears facing each other within said housing, coaxial driving and driven shafts having parts of them within, and journaled with relation to, said outer housing, one of said shafts having one of the coaxial gears secured thereon and the other having a radial arm extending between the coaxial gears, a bevel gear journaled on said arm and meshed with the coaxial gears, a rotatable inner housing secured to the other one of the coaxial gears and surrounding all of said gears, oil-sealing means interposed operatively between the said inner housing and the respective shafts, and friction-brake means within the outer housing and surrounding said inner housing substantially at the position of the gears axially of the assembly, for stopping and releasing said inner housing, the inner housing, oil-sealing means and shafts defining a substantially closed chamber containing the gears.

2,486,270
GREASE GUARD FOR ANTI-FRICTION BEARINGS
Thomas L. Fawick, Cleveland, Ohio
Application August 10, 1946, Serial No. 689,679
5 Claims. (Cl. 308—187.1)



1. A bearing assembly comprising two relatively rotatable members, one within the other, and, interposed between the two, an anti-friction bearing and a grease guard therefor, the grease guard comprising a rigid, axially removable member and a gasket held under compression between said rigid member and one of the first said members, the two members between which the gasket is so held being formed with respective annular grooves in which the gasket is seated, the assembly comprising a pair of stop faces limiting movement of the guard toward the bearing and a wall of one of the grooves being so oblique to the axis of rotation as to cause the gasket to hold one of said stop-faces against the other.

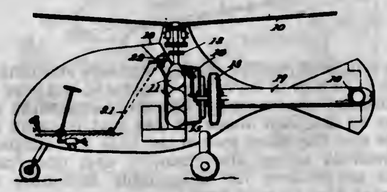
2,486,271
TRAIN CONTROL SYSTEM
Herbert P. Folker, Oakland, Calif., assignor to National Safety Appliance Co., Ltd., San Francisco, Calif., a corporation of California
Application March 10, 1947, Serial No. 733,476
10 Claims. (Cl. 303—18)



1. In a pneumatic train braking system of the type including a control valve adapted to vent a control pipe of the system in response to a track impulse to thereby effect automatic application of the train brakes, a valve adapted to be manually opened and having its inlet side connected to the main air supply reservoir of the system, and a forestalling unit set in cyclic operation by opening of said valve and serving to effect shut off of said control pipe for a predetermined time period to thereby prevent a brake application during such period upon venting of said control pipe by said control valve, said unit including a cylinder, a piston movable within the cylinder, an oil reservoir in restricted communication with one end of said cylinder, the reservoir being adapted to receive air under pressure to expel the liquid in the cylinder to thereby move the piston, valve means serving to control application of pneumatic pressure to said reservoir, a pneumatic actuator for said last named valve means provided with a chamber adapted to receive air under pressure to actuate the same, a connection between said chamber and the discharge side of said manually operated valve, a pneumatic connection from the other side of said cylinder and a source of air under pressure, additional valve means operated by movement of said piston and serving to automatically connect the chamber of said pneumatic actuator to said air supply shortly after said piston is moved from its normal position toward the said other end of the cylinder, a shut-off valve interposed in said control pipe, another pneumatic actuator serving to operate said shut-off valve, another valve means serving to apply pneumatic pressure to said last named actuator during the travel of said piston from its normal position, and means actuated by the piston at the end of its travel from said initial

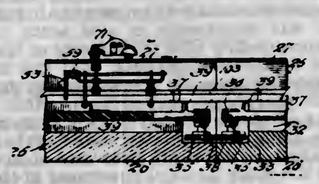
normal position for rendering the first named actuator ineffective to maintain its associated valve means closed.

2,486,272
HELICOPTER WITH ANTITORQUE REACTION JET
Antoine Gazda, Providence, R. I.
Application December 14, 1943, Serial No. 514,265
1 Claim. (Cl. 244—17.19)



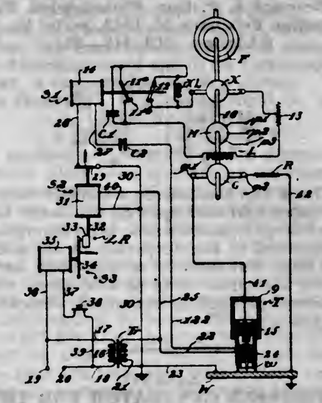
A helicopter comprising a fuselage having a tail, a lifting propeller, an internal combustion engine as a source of motive power, means for transmitting power from said source to said propeller, a gas compressor having an outlet for compressed gas, means for transmitting power from said source of motive power to said compressor, means for supplying exhaust gases from said engine to said compressor, means for supplying preheated air to said compressor, a single elongated conduit of small diameter relative to the diameter of said fuselage extending from said outlet and terminating in an expansion tube-channel in the tail of said fuselage, the said expansion tube-channel having its maximum cross-sectional area at its outlet end and its minimum cross-sectional area intermediate the ends thereof, and means for pivotally mounting the said expansion tube-channel adjacent its inner end on the terminal end of said conduit, whereby the expulsion of the compressed gas under pressure from said expansion tube-channel establishes a reaction force adapted to act as pusher propulsion means and as anti-torque means, depending on the direction of expulsion relative to said fuselage.

2,486,273
MAGNETIC WHEELED TOY
Charles H. Gibson, Tyndall Field, Fla.
Application January 9, 1946, Serial No. 640,035
1 Claim. (Cl. 46—45)



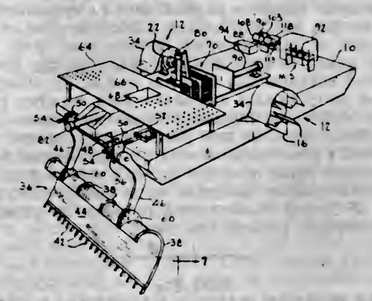
In a toy a non-magnetic supporting surface, a miniature vehicle movable over the surface, said vehicle having a pair of front wheels and a pair of rear wheels having rolling contact with the surface, an armature having rolling contact with the underside of the surface, means beneath the surface to move the armature and one pair of the wheels of said vehicle comprising opposite poles of a permanent magnet which is attracted to the armature whereby the vehicle will move in unison with the armature.

2,486,274
WELDING GENERATOR SAFETY CIRCUIT
Harold J. Graham, Boston, Mass., assignor to Graham Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application May 1, 1948, Serial No. 24,505
9 Claims. (Cl. 219—4)



1. An electrical system for supplying power to a pair of welding electrodes comprising a welding circuit having a generator connected with said electrodes, an exciting circuit including a field winding for magnetizing said generator, a switching element for interrupting the exciting circuit, and a control circuit responsive to the electrically effective contacting of said electrodes for causing the switching element to interrupt the exciting circuit whereby the weld is completed by energy supplied from the generator during the collapse of the magnetic field of the winding.

2,486,275
MACHINE FOR HARVESTING AND BALING UNDERWATER PLANT LIFE
Mathias E. Grinwald, Hartland, Wis.
Application June 26, 1948, Serial No. 35,390
10 Claims. (Cl. 56—8)



1. A machine for harvesting, removing, and baling under water plants comprising a barge, a scoop mounted on said barge and movable from a plant-gathering position below the water-line of the barge to a discharging position over the deck of said barge, an extracting press on said barge having an opening below said discharging position, means for controlling movement of said barge along a desired course to cause said scoop to travel through the water to gather and hold therein under-water plants, means for moving

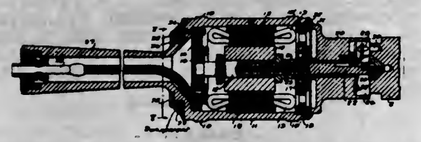
said scoop from gathering position to discharging position, and means for controlling the operation of said extracting press.

2,486,276
HOOK CAP FOR CLOTHES POLES
Bernard A. P. Guy, Philadelphia, Pa.
Application February 26, 1949, Serial No. 78,557
6 Claims. (Cl. 248—353)



5. A hook cap comprising a tubular body closed at the upper end and open at the lower end, the inner surfaces of said tubular body diverging from the closed end to the open end, radial arms projecting from the exterior of said body, and cross heads on the outer ends of said arms with the ends thereof projecting in opposite directions beyond said arms.

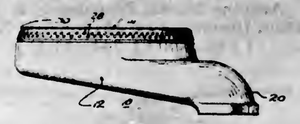
2,486,277
PORTABLE GENERATOR FOR THE BALANCING OF ROTORS
Arthur C. Hagg and Benjamin Cametti, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 12, 1948, Serial No. 32,584
5 Claims. (Cl. 171—209)



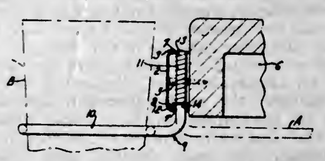
1. A portable generator for balancing purposes, comprising a housing having field windings and appertaining output leads, an armature revolvable in said housing and having a shaft with an axial bore, a compression spring in said bore, a pin axially movable in said bore in opposition to said spring, said pin having a friction prod at the one end of said member outside said bore and being keyed to said shaft, a flat annular spring member surrounding said pin and being attached at one point to said armature, said member having a clutch dog mounted at another point diametrically opposite said point of attachment and resiliently projecting away from said armature at said other point in order to have said clutch dog positively engage the rotor to be tested when said prod is forced toward said housing by pressing said housing against the rotor.

2,486,278
GAS BURNER HAVING REMOVABLE CAP STRUCTURES
Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application April 28, 1944, Serial No. 533,159
19 Claims. (Cl. 158—116)

1. In a gas burner, the combination including, a burner base having a central opening defined by an inner wall and having also an outer wall spaced from and extending higher than the inner wall, spaced apart projections extending a short distance radially inwardly from said outer wall, a burner cap overlying said burner base having structure defining an upwardly extending portion having a central opening and extending outward therefrom into abutting engagement with the top of the outer wall of the base and cooperating with the base to form a burner chamber, the inner wall of the base and the inner portion of said cap having adjacent mating sealing surfaces enabling the cap to be moved vertically relative to the base and fastening means on the upwardly extending portion of said cap above its gas seal forming surface and the inner wall of the base and extending outwardly across the chamber and underneath said projections for detachably fastening said burner cap to said base.

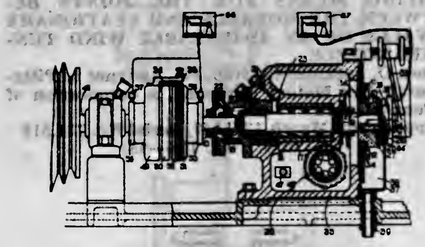


2,486,279
SWINGING HOLDER FOR CARD TABLES AND THE LIKE
George G. Hathaway, Springfield, Mass.
Application September 27, 1946, Serial No. 699,619
1 Claim. (Cl. 248—315)



A swinging holder for attachment to card tables and the like which comprises a plate having its edge portions bent to provide a rearwardly extending peripheral flange to form a housing closed on its rear side by the surface to which the housing is attached, the flange having upper and lower aligned openings, the flange being bent to form seats extending radially of the lower opening interiorly of the housing, a holder in the form of a rod having one end portion bent into circular shape, the other end portion being bent at substantially right angles to the plane of the circular portion to form a shaft, said shaft extending upwardly through said aligned openings as bearings and substantially closing the same, a pin extending radially from said shaft inside the housing and engageable in said seats, a coiled spring surrounding said shaft inside of the housing and compressed between said pin and the upper interior face of the flange to normally maintain the pin in said seats in either of two positions of rotation of said shaft in said openings, said pin being releasable from the seats to permit rotation of the shaft from one of said positions to the other by axial movement of the shaft in said openings against the action of said spring, the upper end of the shaft lying substantially flush with the surface of the housing when said pin is engaged in said seats, the portion of the plate forming the outer wall of the housing being provided with two countersunk openings for receiving screws for attaching the housing to a supporting surface, said last-named openings being arranged one on each side of said shaft to position the points of attachment within the housing and adapted to be closed by the heads of the attaching screws.

2,486,280
APPARATUS FOR TESTING FRICTION
Frederick Hausmann, Bolton, England, assignor to William Walker and Sons Limited, Bolton, England, a British company
Application June 8, 1944, Serial No. 539,249
In Great Britain November 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1962
21 Claims. (Cl. 73—9)



14. An apparatus for testing sealing rings comprising a chamber containing oil and having an opening in one of its walls, a rotatable spindle projecting through said opening, a shaft mockup carried on said spindle in the region of said opening and having a heat conductive portion and a portion of relatively low heat conductivity, means for mounting a sealing ring test piece with its inner periphery in contact with said conductive portion, to seal said opening, means for projecting oil from within said chamber against said test piece, mockup, and opening, means for measuring the amount of oil leakage past said test piece out of said chamber, and means for measuring the temperature of said conductive portion.

2,486,281
ARC CUTTING OF METAL AND ELECTRODE THEREFOR
Curtis R. Henry, Youngstown, Ohio, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio, a corporation of New York
No Drawing. Application December 22, 1948, Serial No. 66,353
14 Claims. (Cl. 219—15)

1. The method of cutting ferrous metal castings having carbon present in the form of free graphite throughout the metal, comprising subjecting the metal to the cutting effect of the electric arc from a coated ferrous electrode operated at an amperage of at least 300 amperes.

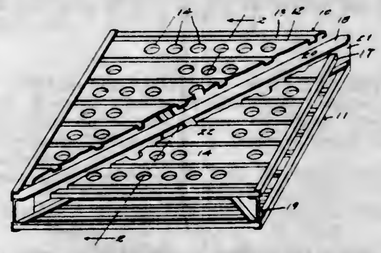
2,486,282
HEAT-TREATMENT FOR HIGH CARBON HIGH CHROMIUM STEEL
Carroll G. Hoffman, Independence, and John M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application April 24, 1946, Serial No. 664,693
2 Claims. (Cl. 148—21.5)

1. A method of producing cold-deformable high chromium alloy steel containing between .5 and 1.25 per cent carbon, 10 to 6 per cent chromium, manganese in effective amounts up to 1.10 per cent; not over .25 per cent nickel and balance substantially iron comprising heating said alloy steel to a temperature between 2100° and 2250° F., holding at said temperature for between fifteen minutes and four hours, rapidly cooling from such temperature to within the range of 1250° to 1450° F. and holding in such range for a time between four and twenty-four hours.

2,486,283
HEAT-TREATMENT FOR HIGH CARBON HIGH CHROMIUM STEEL
Carroll G. Hoffman, Independence, and John M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application April 24, 1946, Serial No. 664,694
4 Claims. (Cl. 148—21.5)

1. A method of producing cold-deformable high chromium alloy steel containing between .5 and 1.25 per cent carbon, 10 to 16 per cent chromium, manganese in effective amounts up to 1.10 per cent; not over .25 per cent nickel and balance substantially iron comprising heating said alloy steel to a temperature between 2100° and 2250° F., holding at said temperature for between fifteen minutes and four hours, rapidly cooling from such temperature to below 1000° F. at a rate of at least 50° per hour, heating to within the range of 1250° to 1500° F., holding in such range for a time between four and twenty-four hours, reheating to a temperature within the range of 1600° to 1750° F., holding at such temperature for from fifteen minutes to eight hours, cooling to within the range of from 1250° to 1450° F. at a rate in excess of 25° per hour and holding in such range for from four to twenty-four hours.

2,486,284
PALLET
Solomon Horwitz, Belmont, Mass.
Application April 24, 1946, Serial No. 664,549
8 Claims. (Cl. 248—120)

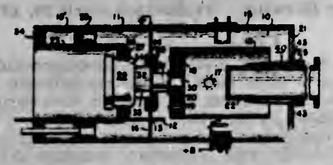


1. A pallet construction comprising a pair of vertically spaced apart parallel deck members and formed with a pair of integral inturned edge flanges disposed in inwardly facing relation to the opposite member, U-shaped upwardly opening instruck transverse channels on each of said members, and supporting means fixed between each of said deck members fixed to the bight portions of said transverse channels and having such construction that all four sides of the pallet will be open.

2,486,285
ELECTRICAL CONTACT MEMBER
William M. Hurst, Oak Ridge, Tenn., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 16, 1948, Serial No. 33,367
11 Claims. (Cl. 173—324)

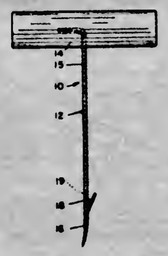
1. An electrical contact member, for slidably engaging an electrically conductive member to form therewith a portion of a high-frequency

conductive circuit of critically adjustable electrical length comprising: a strip of flat, thin, conductive material including a body portion having a plurality of contact fingers extending from one edge thereof, each of said contact fingers when viewed in elevation having a preset unstressed longitudinal portion substantially corresponding in curvature to that of an end-loaded cantilever beam and having a tip portion extending from said longitudinal portion and effectively defining therewith an angle of approximately 165 degrees; whereby said longitu-



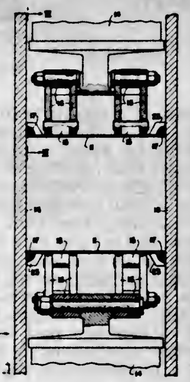
dinal portion of said each finger assumes and maintains a substantially rectilinear elevational configuration upon adequately flexed engagement of said contact fingers at the end of the tip portion thereof with said conductive member, and said body portion and said each contact finger are thereby effective with said conductive member to establish and to maintain in a definite and consistent manner said critically adjustable electrical length of said conductive circuit in each relative position of said contact fingers and said conductive member.

2,486,286
CORK PULLER
James H. Irving, Los Angeles, Calif.
Application June 20, 1947, Serial No. 756,021
1 Claim. (Cl. 81—3.49)



A device for pulling a cork from a bottle neck comprising an elongated smooth surfaced stem of resilient material thin enough from end to end to enable it to slide axially between said cork and said bottle neck without pushing said cork inwardly of the neck and being of a length greater than the length of said cork and being of uniform arched cross section from end to end whereby to conform to the peripheral surface of said cork; said stem being further characterized by being of uniform thickness from end to end, by having a substantially inverted V-shaped slit adjacent but spaced from its lower end and partially severing therefrom a resilient straight, unobstructed, prong of a length not less than the radius of said cork and bent out of the plane of the stem so as to be normally disposed upwardly and outwardly therefrom to engage a substantial portion of the inner end of said cork when the stem is pulled upwardly from said bottle neck but being deflectable by said cork completely into said slit and into the plane of said stem when the stem is pushed downwardly between the said cork and the said bottle neck whereby not to present any lateral obstruction on the stem which could interfere with free sliding movement of the stem relative to said cork; by the lower end portion of said stem below said slit being tapered and curved in longitudinal section in a direction opposite the prong; and a pull element on the top end of said stem.

2,486,287
SEALING MEANS FOR THE JOINTS BETWEEN THE MOVABLE AND STATIONARY WALLS OF AN ADJUSTABLE WIND TUNNEL NOZZLE
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application March 13, 1947, Serial No. 734,518
6 Claims. (Cl. 138—45)

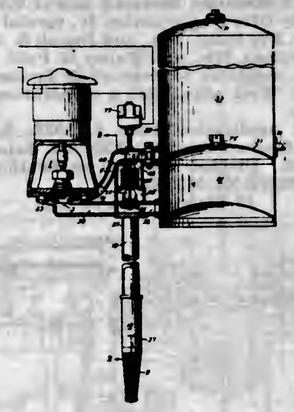


1. In combination with a pair of spaced fixed walls, a pair of spaced movable walls located between such fixed walls and with the same defining an elastic fluid nozzle or duct of rectangular cross section, seals carried by such movable walls on their outer side adjacent the longitudinal edges thereof for sealing the joints between such movable and fixed walls; each such seal comprising a hollow pressure expansible agent which when expanded, bears against the outer side of a movable wall and the inner side of a fixed wall, metal backing means for each such agent, anchor members secured to the outer face of the movable wall adjacent such agent and arranged at intervals throughout the length of such agent for holding such backing means in place and means for supplying air under pressure to the interior of such hollow agents to expand the same into sealing contact with both the movable and fixed walls.

2,486,288
SELF-PRIMING DEEP WELL PUMP SYSTEM
Candido Jacuzzi and John E. Armstrong, Berkeley, Calif., assignors to Jacuzzi Bros., Incorporated, a corporation of California
Application March 6, 1945, Serial No. 581,212
10 Claims. (Cl. 103—5)

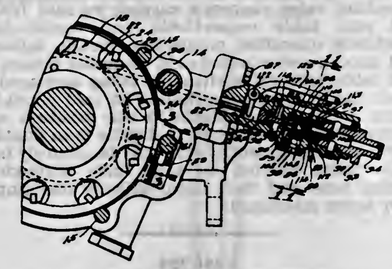
1. In a deep well pump system, a pump having an intake opening and a discharge passage, a priming chamber, a suction line to said intake opening of said pump and including said priming chamber and an injector assembly involving a venturi and nozzle, a pressure line connecting said discharge passage with said nozzle, a self-closing valve in said suction line and a self-closing valve in said pressure line at accessible dis-

tances from said pump and adapted during quiescent periods of said pump to retain a liquid level



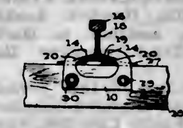
in said priming chamber, and means for opening each of said valves during operation of said pump.

2,486,289
HOLDING VALVE DEVICE FOR FLUID OPERATED BRAKES
Charles M. Jameson, Detroit, Mich.
Original application September 24, 1942, Serial No. 459,536, now Patent No. 2,381,755, dated August 7, 1945. Divided and this application November 12, 1942, Serial No. 465,320
17 Claims. (Cl. 137—139)



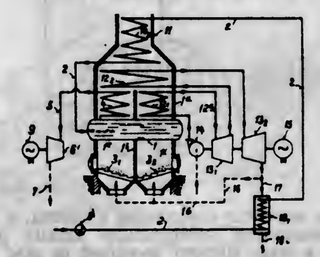
1. A control valve device for an automatic holding mechanism for fluid operated brakes comprising a valve housing having a port adapted for connection to a source of fluid pressure and a second port adapted for connection to a fluid brake device, said housing having a passageway connecting said ports, a check valve in said passageway normally acting to prevent return of fluid through said passageway from the second port to the first mentioned port and operable to permit substantially unrestricted flow in the opposite direction, a pressure responsive movable element in said housing, said element being at one side thereof subject to the pressure at the first port and at the other side subject to the pressure at the second port and being of a cross-sectional area approximately equal to the effective cross-sectional area of said check valve, a sealing ring frictionally engaging said element intermediate its ends, and a lost motion connection between said element and said check valve for causing said element when subject to an excess of pressure in the second port to exert a force on said valve in the direction opposite to that of the force exerted on the valve by the pressure in the second port without affecting said valve when said element is subject to an excess of pressure in the first port sufficient to open the check valve.

2,486,290
RAIL ANCHORING AND SECURING DEVICE
Thomas F. Jones, Nashville, Tenn.
Application August 28, 1946, Serial No. 693,559
5 Claims. (Cl. 238—337)



1. The combination of a rail and its supporting cross tie, said cross tie being provided with transverse holes at each end of said tie, said rail including a tread and base flange, anchor plates disposed on opposite sides of said cross tie comprising upstanding arms arranged in spaced relation for the reception of and engagement with said rail flange, each of said plates being provided with holes therethrough which holes of said respective plate register with the holes at one end of said cross tie when said plates are positioned on each side thereof, and securing means passing through said holes of said plates and tie for securing said rail to said tie, said plates having each of the holes thereof disposed at different distances with respect to the center line thereof and with respect to said arms thereof, so that said plates may be reversibly mounted on the cross tie by turning said plates around end to end so that the ends of said plates formerly on the gage side of said rail are on the outside of said rail and thereby causing said rail and the center line of said plates to be shifted longitudinally of said tie for correcting the gage of said rail.

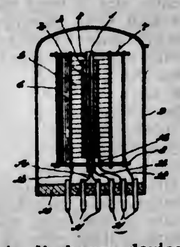
2,486,291
STEAM-AIR THERMAL POWER PLANT
Josef Karrer, Zurich, Switzerland, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland, a corporation of Switzerland
Application November 20, 1945, Serial No. 629,879
In Switzerland March 19, 1942
Section 1, Public Law 690, August 8, 1946.
Patent expires March 19, 1962.
4 Claims. (Cl. 60—49)



1. A heat power plant having the combination of a boiler including a fire grate, a steam generator in said boiler, a steam superheater in said boiler, an engine operated by the steam from said superheater, an air heater in said boiler, an air compressor for said air heater, a turbine operated by the air from said air heater, a line conveying the exhaust from said air turbine to said fire grate, a condenser receiving the exhaust

from said engine, a line conveying the water from said condenser to said steam generator, a pump forcing the water through said water line, said water conveying line having therein a preheater, and a line conveying exhaust from said air turbine to said preheater.

2,486,292
CATHODE STRUCTURE FOR ELECTRIC DISCHARGE TUBES
Johan Lodewijk Hendrik Jonker, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee
Application July 20, 1946, Serial No. 685,157
In the Netherlands December 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1963
2 Claims. (Cl. 250—27.5)



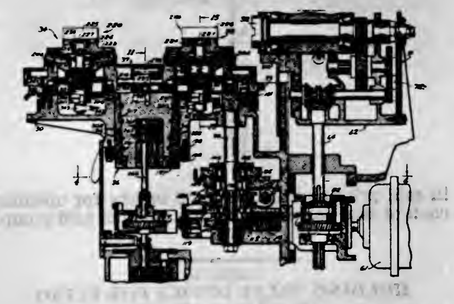
1. An electric discharge device comprising an anode and an indirectly heated cathode, said cathode embodying a heater, a conductive support adjacent to the heater, but electrically insulated therefrom, a layer of a readily emitting substance on the support, a conductive coating on said substance, a current supply conductor connected to said conductive coating and having a terminal for connection to an external circuit, and a separate supply conductor connected to the conductive support for the cathode and having a terminal for connection to an external circuit.

2,486,293
SHOCKPROOF DIAL INDICATOR
William R. Kempt, Oakland, Calif.
Application June 29, 1945, Serial No. 602,370
2 Claims. (Cl. 33—172)



2. An indicator comprising a casing, a needle shaft supported substantially axially of said casing, a stem slidably mounted in said casing substantially at right angles to said shaft and adjacent thereto, said stem having a pair of posts toward the upper end of said casing, and a pair of posts toward the lower end, a thread encircling said shaft and having one end extending over one post of the upper pair and the other end over a post of the lower pair, and a spring affixed at each end of said thread and anchored to the remaining post of the other pair.

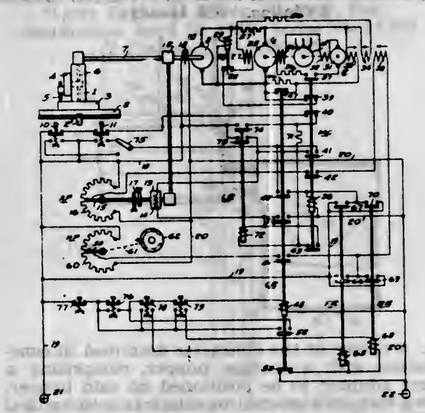
2,486,294
MACHINE TOOL TRANSMISSION
Edward J. Kearney, deceased, late of Wauwatosa, Wis., by Otto W. Carpenter, Jr., special administrator, Fox Point, Wis., and Joseph B. Armitage, Wauwatosa, Wis., and Walter M. Pohl, Hamden, Conn., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Original application June 9, 1938, Serial No. 212,704, now Patent No. 2,355,082, dated August 8, 1944. Divided and this application July 6, 1944, Serial No. 543,682
13 Claims. (Cl. 90—20)



1. In a machine tool, the combination with a frame and a work supporting table movably mounted on said frame, of fluid pressure actuated clamping means mounted on said table for holding workpieces while being machined, a source of fluid pressure mounted on said table and conduit means including relatively movable cooperating valve elements carried by said frame and said table respectively and constituting selectively operating connecting means between said pressure source and said clamping means on said table, said valve elements being arranged to effect clamping of a workpiece in said clamping means when said table is in one position and unclamping thereof when said table is in another position, whereby workpieces may be securely held while being carried by said table through a cutting zone and then automatically unclamped after being machined.

2,486,295
FEED CONTROL SYSTEM
George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,292
9 Claims. (Cl. 318—142)

1. A feed control system for fabricating machinery, comprising a direct-current feed motor, a main generator connected to said motor for providing energization therefor and having field means for controlling said energization, a regulating generator having an armature connected to said main generator and having a control field winding for controlling said field means, a bridge circuit having two adjustable rheostats and a balanceable branch for providing a reversible control voltage dependent in polarity and magnitude upon the departure of said rheostats from a given adjustment relative to each other, said branch being connected to said control field winding, calibrated selector means for adjusting one of said rheostats in accordance with desired amounts of feed, transmission means for connecting said other rheostat with said feed motor so as to cause said other rheostat to perform a follow-up adjustment in the direction required to establish said given relative adjustment, control means to connect and disconnect



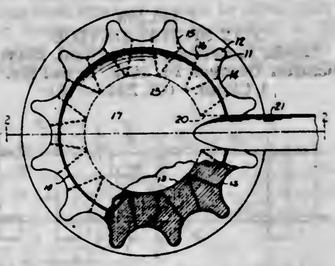
said transmission means from said other rheostat, and biasing means for returning said other rheostat to zero feed adjustment when said transmission means are disconnected.

2,486,296
SPINDLE UNIT
Joseph Paul Laird, Philadelphia, Pa.
Application August 15, 1947, Serial No. 768,739
5 Claims. (Cl. 308—152)



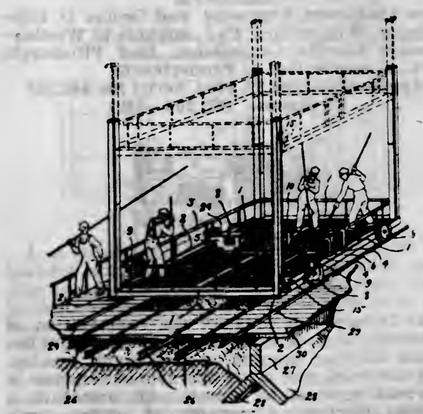
1. In a full floating spindle unit, an outer casing, an inner shell, bearings mounted at the upper and lower ends of said shell, a spindle mounted in said bearings, a resilient washer mounted in said outer casing against which the upper end of said shell bears, a spring at the lower end of said casing for holding the shell upwardly against said washer, a relatively thin sheet metal spring having a plurality of convolutions interposed between the shell and the said casing, the said spring extending throughout the entire length of said shell, and the space between the convolutions of the spring adapted to receive oil to provide a vibration dampening effect throughout the length of the shell and its spindle.

2,486,297
SPRAY NOZZLE
Eugene H. Lederer, Brooklyn, N. Y.
Application September 10, 1945, Serial No. 615,377
1 Claim. (Cl. 299—141)



A spray device of the class described, comprising a disc-shaped base member, an annular flat nozzle ring secured to the top surface of said base member and concentric therewith, the outer edge of said ring being formed with a plurality of circumferentially spaced apart concaved depressions, a dome member secured to the top surface of said ring to provide a pressure chamber, a plurality of pairs of outwardly converging horizontal nozzle bores formed through said ring, a pair of bores being provided for each of said concaved depressions and the outer ends of said pair of bores being disposed symmetrically with respect to the center of the related depression whereby the portions of said ring on the opposite sides of each of said depressions provide shields for the outer ends of said nozzle bores to prevent clogging thereof and premature admixture of the fluid ejected from the pairs of bores.

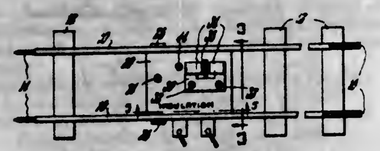
2,486,298
HOPPER DISCHARGE EXPEDITER
Joseph G. Lenta, Duluth, Minn.
Application December 9, 1946, Serial No. 715,110
6 Claims. (Cl. 259—1)



1. In a safety device for use in expediting the discharge of granular material from a receptacle: a vertically and horizontally movable perforated platform for supporting workmen thereupon above said receptacle, so that long handled punchers may be operated through the perforations, said platform having an elongated opening therethrough, a dolly car upon said platform

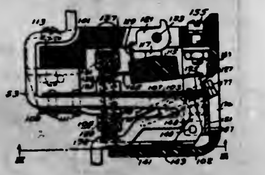
selectively movable over said opening, and means carried by said dolly car projecting through said opening for further expediting the discharge of said material.

2,486,299
TOY SIGNAL DEVICE
Edwin P. Lepper, Springfield, Mass.
Application October 16, 1948, Serial No. 54,911
1 Claim. (Cl. 246—246)



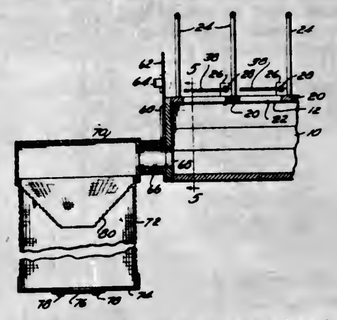
A switch device for an electrical circuit adapted for securement to the rails of a toy train system comprising in combination, a support formed from insulating material adapted to underlie the rails having a centrally disposed slot therethrough, means for securing said support to the underside of the rails, a connecting member on the underside of said support and a contact member on the upper side of said support fixed thereto by a member extending therethrough and electrically connecting the same, a second connecting member on the underside of said support and fixed thereto, and a flexible contact member having a lower end fixed to said second connecting member and an upper free end extending upwardly through the slot and being adapted to flex forwardly and rearwardly transversely of said support and longitudinally of the rails, said contact member having separate spaced contact portions disposed on opposite sides of and spaced away from said flexible contact members and adapted to be engaged thereby.

2,486,300
ELECTROMAGNETIC TRIP CIRCUIT BREAKER
Ture Lindstrom, Edgewood, and George G. Grisinger, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1944, Serial No. 542,718
10 Claims. (Cl. 200—109)



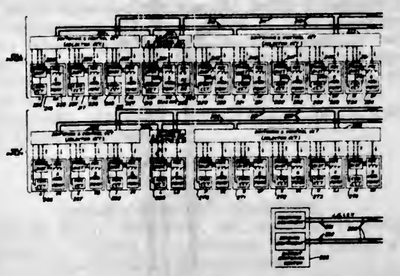
10. In a circuit breaker, the combination of a tripping electromagnet, a slidable armature operable to cause opening of said circuit breaker, said electromagnet being operable in response to overload currents to operate said armature, a pivoted member, a plurality of springs compressed between said pivoted member and said armature biasing said armature against operation, and a manual operator cooperating with said pivoted member and operable to adjustably position said pivoted member to thereby simultaneously vary the compression of all of said springs while the armature remains stationary to thereby vary the tripping point of the breaker.

2,486,301
HOPPER TRAP
Reuben Linington, Bellemead, N. J.
Application November 14, 1945, Serial No. 628,390
3 Claims. (Cl. 43—61)



1. A device of the character described in combination with a feeding hopper, comprising a frame adapted to be positioned on said hopper, guard members secured to said frame in vertical relation thereto, trap members pivoted to said frame intermediate of said guard members, means coacting with said trap members to latch said trap members in set position, and means coacting with said trap members for the release thereof from set position into trap position.

2,486,302
TELEGRAPH STORAGE SYSTEM
George A. Locke, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1946, Serial No. 679,956
3 Claims. (Cl. 178—3)



1. In combination, a test conductor, a first and a second device each having a first and a second condition, means whereby said test conductor always tests available if both of said devices are in their first condition, means whereby the test conductor may test available if the second only of said devices is in its first condition, comprising a two-step relay, means operating said relay one step if both of said devices are in their second condition simultaneously, means to step said two-step relay a second step preparatory to making said test conductor test available if said first device assumes its first condition while said second device is in its second condition, and means operated conjointly by said two-step relay in its second step position and the assumption by said second device of its first condition to cause said test conductor to thereafter test available regardless of whether said first device remains in its first or second condition.

2,486,303
SURGICAL APPLIANCE FOR BONE FRACTURES
Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.
Application April 29, 1948, Serial No. 24,005
3 Claims. (Cl. 128—92)



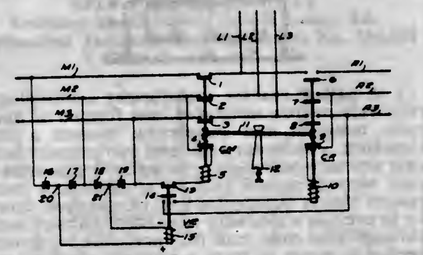
3. A surgical appliance for holding fragments of a fractured bone in alinement, said appliance consisting of two separate plates, one of said plates having an end portion provided with an offset and outwardly extending lateral flanges, the opposing end portion of the other plate having inwardly extending side flanges, the flanged portions of said plates having telescopic free longitudinal movement relative to each other, and means securing said plates separately to the corresponding bone fragments.

2,486,304
PROCESS FOR PRODUCING ORGANIC CRYSTALLIZING LIQUID STABLE PHTHALOCYANINE PIGMENTS
Serge Alexander Loukomsky, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 27, 1946, Serial No. 718,884
12 Claims. (Cl. 260—314.5)

1. A method of producing a finely divided, crystallizing organic liquid stable, tinctorially strong, sulfuric acid stable, metal phthalocyanine pigment the particles whereof have an average size of less than two microns and do not increase in size beyond an average size of less than two microns on prolonged contact with crystallizing organic liquids, which comprises subjecting a mixture of a finely divided, halogen-free, sulfuric acid stable, metal phthalocyanine, a solid grinding aid, and sufficient crystallizing organic liquid to form a shearable magma to intensive mixing and shearing attrition, until said phthalocyanine is transformed into finely divided, crystallizing organic liquid stable form, having an average particle size below two microns and mostly below one micron.

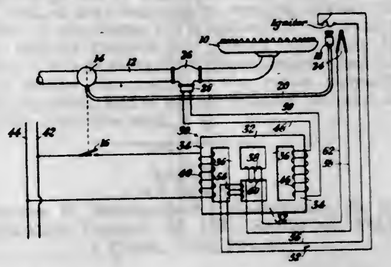
2,486,305
THREE-PHASE TRANSFER RELAY
Kurt Mahnke, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1945, Serial No. 606,206
4 Claims. (Cl. 171—97)

4. A bus transfer device for three-phase alternating-current systems, comprising three load buses, three main power buses, three auxiliary power buses, a first contactor for connecting said load buses to said main buses, a second contactor for connecting said load buses to said auxiliary buses, interlock means connecting said contactors so as to close one contactor when the other is open, a voltage relay having contact means for controlling said contactors and a coil for causing said contact means to close said first contactor when said coil is excited by a voltage above a given value and to close said second contactor when the coil voltage drops below said



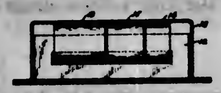
value, four rectifier units connected in series relation to one another and arranged relative to said terminals so that two of said units are connected in anode-to-anode relation between only two of said main buses and the two other units are connected in cathode-to-cathode relation only between one of said two main buses and the third main bus, said relay coil being connected between the anodes of said first two units and the cathodes of said other two units.

2,486,306
SAFETY CONTROL AND IGNITION SYSTEM FOR FUEL BURNERS
Robert C. Main, Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application December 20, 1946, Serial No. 717,397
5 Claims. (Cl. 158—117.1)



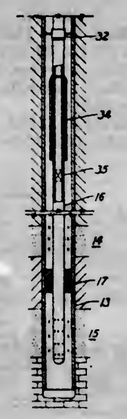
1. A safety control and ignition system for fuel burning apparatus, comprising electrically operable means for controlling a fuel supply to be burned, a transformer having a core with primary and secondary windings thereon and a plurality of paths for magnetic flux, means connecting said primary to a source of current supply, means connecting said secondary for controlling said electrically operable means in response to the magnetic flux in one of said paths, electric igniting means for the fuel and being operable in response to the magnetic flux in another said path, and means responsive to the presence and absence of heat of the burning fuel for causing said magnetic flux to shift respectively between said one and the other of said paths to effect operation of said electrically operable means and said igniting means alternatively.

2,486,307
BALLAST REACTOR TRANSFORMER
Leopold Maserer, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Continuation of application Serial No. 456,521, August 28, 1942. This application June 27, 1947, Serial No. 757,568
3 Claims. (Cl. 171—119)



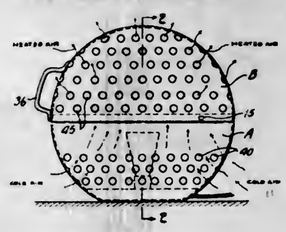
1. A ballast reactor transformer comprising a relatively narrow elongated case formed of magnetic material and supporting therein a core structure, a secondary coil and two primary coils, said primary coils being spaced from the ends of said secondary coil and all of said coils being spaced closely adjacent a wall of said case, thereby to provide a plurality of parallel leakage paths through said case, said primary coils being connected in series to form a primary winding, and said secondary coil being connected in series with said primary coils to form a secondary winding.

2,486,308
PARAFFIN SCRAPER
George McCray and Ralph H. Smith, Houston, Tex., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application March 20, 1945, Serial No. 583,724
8 Claims. (Cl. 166—18)



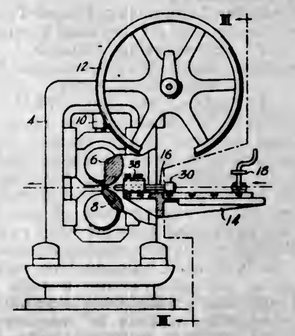
1. In a cased dual-completion well structure, adapted for recovery of hydrocarbon products from a plurality of spaced producing strata, a tubular producing conduit extending within and spaced from the well casing, thereby providing an inner producing conduit and an outer producing conduit within the well, the outer conduit having spaced fluid inlets, the inner conduit having a fluid inlet adjacent its lower end, a fluid-excluding seal between said conduits and between the spaced fluid inlets of the outer conduit and above the fluid inlet of the inner conduit, said seal preventing fluid flow between said conduits, a telescoping, fluid-tight joint in said tubular conduit, a plurality of spaced paraffin-cutting members fixed to the exterior wall of said tubular conduit above said joint, and means for reciprocating the portion of said tubular conduit above said joint.

2,486,309
ELECTRIC HEATER
George F. McIntosh, Paris, Ky.
Application March 27, 1947, Serial No. 737,477
7 Claims. (Cl. 219—38)



1. A self-cooling, inherently stable space heater comprising a spherical sheet metal shell flattened slightly at one pole, means on the shell to weight the flattened portion to provide stability, and an electrical resistance element mounted within said shell, the shell being provided with a plurality of air inlet holes adjacent the flattened pole and a plurality of air outlet holes in that part of the shell diametrically opposed to the air inlet holes.

2,486,310
ROLLING MILL GUIDE
Don McLeod, Parma, and Donald O. Norris, Rocky River, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 26, 1945, Serial No. 574,773
5 Claims. (Cl. 80—51)



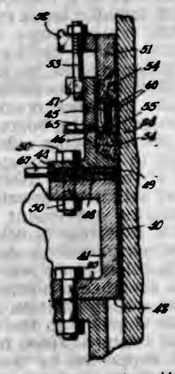
1. A guide for conducting strip into a rolling mill which comprises an elongated strip guiding element, said guiding element having a passageway longitudinally therethrough, said passageway having top, bottom, and side guiding surfaces closely conforming to the cross-section of the strip passing therethrough, a support on the entering side of the mill roll stand for said guiding element, and means fixed to the support to clamp the guiding element thereto, said last named means comprising means at least partially embracing the guiding element to hold it against movement in a direction toward and away from the support, said last named means comprising means for holding the guiding element in clamped adjusted lateral position.

2,486,311
BELT AND BUCKLE COMBINATION
Joseph J. Meyerson, Montclair, N. J., and Herbert Buchsbaum, Chicago, Ill., assignors to S. Buchsbaum & Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1945, Serial No. 605,206
1 Claim. (Cl. 24—70)



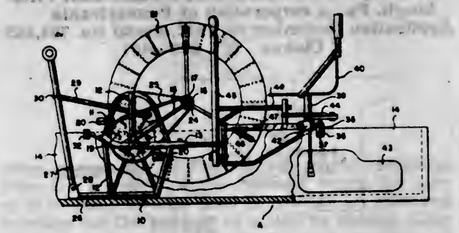
A fastening device for fastening together two members comprising a hooked shape member having a long and a short arm, the two arms being spaced apart and substantially parallel with respect to each other, the short arm being approximately a third the length of the long arm, a curved portion connecting the two arms, and pivot means adjacent to the free end of the short arm, the long arm being generally curved toward the short arm, a hump in the short arm having a concavity facing outwardly with respect to said long arm so that said short arm at the concavity will clear the edge of a looped slot in which said hooked shaped member may be pivoted, whereby said hooked shaped member may be fully opened without appreciably stressing said edge.

2,486,312
PRESSURE SEALING MEANS FOR REVOLVING DISTRIBUTORS OF BLAST FURNACES
Albert Mohr, Jr., and John P. Grilli, Chicago, Ill.
Application June 12, 1947, Serial No. 754,192
14 Claims. (Cl. 285—97.1)



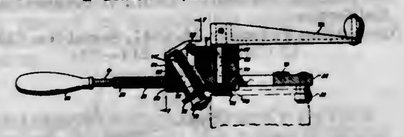
1. In a gas-sealing construction for a blast-furnace having a shell surrounding the furnace, and at its top a rotary round distributor, the novel combination of a stationary member in gas-tight relation with the shell and encircling the distributor thereby defining a shallow annular space between said member and the distributor, a pair of male and female gland elements on said member encircling the distributor forming a gland-chamber open toward the distributor above said space, solid packing means in said gland-chamber engaging the external surface of the distributor, and means injecting sealing grease automatically intermittently into said space and into said gland-chamber at a plurality of separated points around the furnace and continuously maintaining the grease in said space and chamber at a pressure greater than the gas pressure in the furnace when the latter is in operation, said grease injecting means including a high pressure grease header joined to conduit means connecting with said space and gland-chamber at said separated points, high pressure grease-pump means and operating means therefor including automatic timing device means to feed grease by the pump means into said header intermittently.

2,486,313
SELF-PROPELLED BOAT
Anthony Montalbano, Baton Rouge, La.
Application January 18, 1946, Serial No. 641,987
2 Claims. (Cl. 115—23)



1. A boat propelling mechanism comprising a main frame adapted to fit into the boat and having upright portions and horizontal portions extending laterally therefrom, a crank connected between the upright portions and extending from the sides thereof, sprockets on the ends of the crank, said frame horizontal portions having longitudinally extensible members respectively connected thereto for vertical adjustment, a shaft journalled on the outer ends of the extensible members, chains connecting the respective sprockets of the crank with the shaft to drive the same, said extensible members being extensible to apply the proper tightness to the chain, paddle wheels on the shafts having hubs adjustable along the shafts and means for retaining the wheels on the respective shafts at any one of a plurality of adjusted positions depending upon the width of the boat, a seat and rudder control device connected to the frame for longitudinal adjustment with respect thereto and means for fixing the frame to the boat against displacement, foot and hand means for operating the crank accessible from the seat, and a rudder control element accessible from the seat.

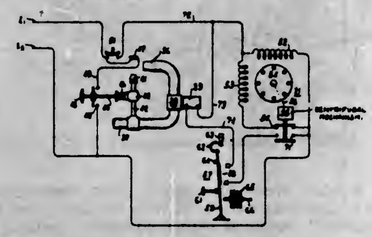
2,486,314
CAN OPENER
Walter H. Montgomery, Washington, D. C.
Application January 30, 1945, Serial No. 575,222
1 Claim. (Cl. 30—13)



A portable self-contained can opener comprising a frame, terminating at one end in a handle and at the opposite end in an extension of sufficient length to substantially completely overlie a can, said frame being provided with spaced side portions intermediate its ends, a block pivotally mounted between said spaced side portions of said frame, a feed roller shaft rotatably mounted in said block, a can-engaging feed roller carried at one end of said shaft, a feed roller actuating handle carried at the opposite end of said shaft, said can-engaging feed roller adapted to be

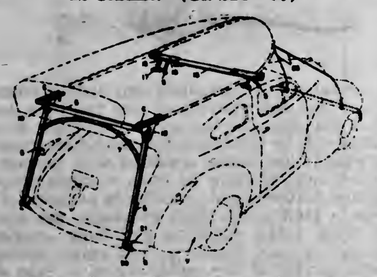
brought into and out of can-engaging position by pivotal movement of said block through the medium of said feed roller actuating handle, a cutter roller shaft carried by said frame, a cutter roller on said shaft adapted to be effectively advanced around a can upon actuation of said feed roller actuating handle and means for automatically locking said block to said frame when said feed roller reaches operative position.

2,486,315
DRYING APPARATUS
Robert C. Morris, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1947, Serial No. 794,665
2 Claims. (Cl. 263—40)



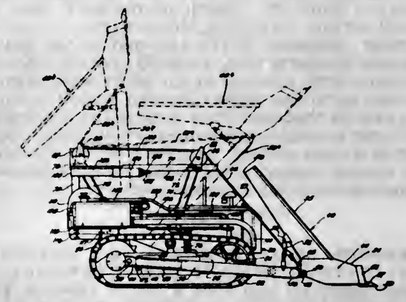
2. In a gas fired clothes dryer, the combination of means defining a drying chamber, a duct structure for conveying air to said chamber, a blower for translating said air, a motor for driving said blower and having a running winding and a starting winding, switching means controlling said starting winding, means responsive to a condition of operation of said motor which is a function of the speed thereof for controlling said switching means, said switching means being closed when the speed of the motor is below a predetermined value and open when the speed of the motor is above said value, a gas heater arranged in said duct structure, a conduit for conveying gas to said heater and having an electrically-operated valve connected therein, said valve being open when energized and closed when deenergized, and second switching means controlling energization of the electrically-operated valve and actuated by said condition responsive means, said second switching means being closed when the speed of the motor exceeds said predetermined value and open at lower motor speeds.

2,486,316
BOAT LOADING DEVICE
Forbes Morse and Alan W. Christensen, Los Angeles, Calif., assignors to Western Plastics, Incorporated, Glendale, Calif., a corporation of California
Application February 24, 1947, Serial No. 730,272
12 Claims. (Cl. 214—77)



1. A device for loading a boat onto and unloading it from the top of a vehicle or the like, comprising a pair of radius rods, means for pivotally mounting the bottom ends of the rods on a vehicle, bracket means pivotally carried by the upper ends of the rods, said bracket means having means for detachably securing them to a boat, and abutment means on the rods and bracket means for limiting pivotal movement of the bracket means relative to the rods in one direction.

2,486,317
MATERIAL HANDLING AND LOADING APPARATUS
Russell J. Nadherny, Chicago, Ill., assignor to Athey Products Corporation, Chicago, Ill., a corporation of Illinois
Application June 10, 1946, Serial No. 675,634
4 Claims. (Cl. 214—131)

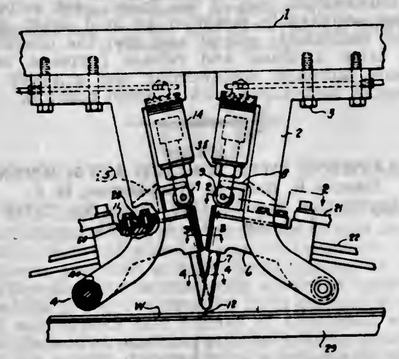


1. In material handling and loading apparatus for attachment to a tractor of the track-laying type which includes track frames, a chassis supported by the track frames through spring means, an engine carried by the chassis and a fluid pressure pump driven by the engine, the combination comprising a boom having side arms spaced to straddle the track frames of the tractor, a shovel secured to the boom at one end of the arms, said shovel having side wall and end portions disposed in obtuse angular relationship and being open at both ends, means for securing the other ends of said arms to said track frames for vertical swinging movement to carry said shovel between a shoveling position in front of the tractor, a carrying position above the tractor and a dumping position at the rear of the tractor, said boom being practically horizontal when the shovel is in the shoveling position and practically vertical when the shovel is in the dumping position, an overhead frame adapted to be secured to the tractor and supported by trusses diverging upwardly to opposite ends of the frame and having lower ends connected to the tractor chassis through substantially rigid side plates, sheaves rotatably carried by said overhead frame, a winch adapted for mounting at the rear of the tractor, cable means adapted to coact with said sheaves and connecting the boom to said winch, hydraulic means adapted to actuation by fluid pressure from said pump and having an element movable along one side of the tractor for driving said winch to raise the boom and shovel, substantially rigid means supplementing said spring means for transmitting forces from said chassis and side plates to the track frames, and resiliently supported stop means carried by said overhead frame in the path of upward swinging movement of the boom for arresting the upward movement at the dumping position and reversing the direction of movement of the boom for return of the shovel by gravity.

2,486,318
PURIFICATION OF SOLUTIONS
James W. Newsome, Belleville, and John W. Van Cleve, East St. Louis, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 18, 1946, Serial No. 670,828
2 Claims. (Cl. 23—63)

1. A method of treating an aqueous solution containing dissolved sodium sulphate and sodium carbonate, comprising dissolving sodium fluoride in the said solution, and thereafter concentrating said solution by evaporation of water therefrom sufficiently for schairerite ($Na_2SO_4.NaF$) to precipitate from the solution but insufficiently for precipitation of burkeite from the solution, and subsequently evaporating sufficient water from the solution that sodium sulphate values precipitated in the said schairerite would have precipitated as burkeite if the schairerite had not been precipitated.

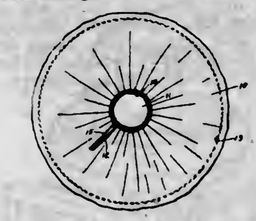
2,486,319
APPARATUS FOR MAKING CLOSELY SPACED SPOT WELDS
Eric J. Opits, Pleasant Ridge, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 4, 1948, Serial No. 42,363
6 Claims. (Cl. 219—4)



1. Apparatus for producing a line of spot welds with a minimum of spacing between the welds, having in combination a frame provided with a plurality of supporting brackets secured to the frame and having dependent arms, the said brackets located on opposite sides of a vertical plane coinciding with the proposed line of the welds, each bracket provided with a dependent arm and a plurality of electrode supporting arms having electrically insulated tracks and pivotly supported on the bracket arms and arranged in staggered but spaced relation along the line of the spot welds on opposite sides of said vertical plane, electrodes carried by the outer free ends of the electrode supporting arms and power means having rollers for engaging the insulated tracks for swinging the electrode supporting arms down toward the work and withdrawing the electrode supporting arms from the work.

2,486,320
MIXING BOWL COVER
Marie J. Ost, Mountainside, N. J.
Application January 4, 1949, Serial No. 69,187
1 Claim. (Cl. 259—125)

A work cover for a mixing bowl adapted to confine the contents of the bowl during a mixing operation comprising a one-piece sheet of pliable material having an endless elastic band of less length than the perimeter of the sheet secured to the outer marginal portion thereof operable to form an elastic collar adapted to be stretched over the rim of a mixing bowl, said sheet also having a relatively small opening centrally located therein, and said sheet also having a slit extending outwardly from one edge of the central opening toward but terminating short of the outer margins of the sheet whereby to



form complementary placket portions radiating from the central opening operable when the cover is in position on a bowl to provide an enlarged opening for the passage of a mixing utensil, elastic tape means secured to the marginal portions of the sheet bounding the central opening operable when the said placket opening is closed to form an endless elastic collar about the shank of an inserted mixing utensil, and releasable means carried by the placket portions to fasten said portions together whereby to close the placket opening and render the elastic collar effective.

2,486,321
AMPOULE
James O'Sullivan, Port Richmond, N. Y.
Application October 14, 1948, Serial No. 54,561
2 Claims. (Cl. 215—32)

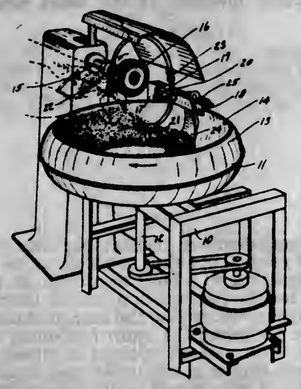


1. An easy to open glass ampul having a definite but substantially unweakened line of cleavage and comprising a constricted portion of the ampul molded in file-catching cross serrations such that the surface skin of the glass remains unbroken.

2,486,322
ABRASIVE LUBRICANT SUPPLY DEVICE
Benjamin F. Paul, Elwood, and Russell R. Wilkinson, Indianapolis, Ind., assignors to Metal Coatings & Manufacturing Company, Inc., Elwood, Ind., a corporation
Application April 14, 1948, Serial No. 20,916
2 Claims. (Cl. 51—263)

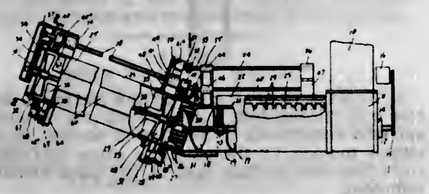
1. In a polishing and like machine having a substantially horizontally disposed rotatable shaft and a polishing and like wheel thereon, the combination therewith of a relatively large area bowl rotatable upon a substantially vertical axis, means for rotating the bowl at a rate at least sufficient

for centrifugal force to be effective, the bowl side in radial section being directed upwardly and at its upper portion being directed inwardly, the bowl being disposed below said wheel, and the shaft projecting across the bowl upper portion at one side, a conduit open at both ends and supported so that its lower open end is disposed immediately adjacent the bowl interior and directed in opposition to the direction of bowl rotation and at a distance sufficiently remote from the



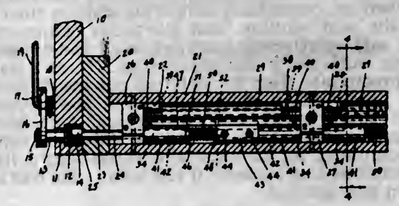
bowl axis to cause an abrasive lubricant to enter the conduit and pass the highest elevation thereof, the other open end of the conduit discharging immediately contiguous to the wheel and in the direction of wheel rotation, the intake end of the conduit being disposed at an elevation below the level of the lubricant in the bowl when it is at rest and above the bottom of the bowl, and a scraping deflector for deflecting inwardly liquid adjacent the bowl side and scraping therefrom solids thereon and adhering to that side.

2,486,323
VARIABLE OUTPUT MIXING SYSTEM
Kenneth A. Raypholtz, Marion, Ind., assignor to Overmander Machine, Inc., Marion, Ind., a corporation
Application April 24, 1946, Serial No. 664,490
1 Claim. (Cl. 259—165)



In combination with an aggregate feeding and bituminous material supply apparatus, a mixer adapted for continuous mixing including a rotatable housing, a coaxial screw therein, the apparatus substantially continuously discharging to one end of the housing, the resulting bituminous mixture discharging from the opposite end thereof, and adjustable driving means for adjustably and differentially rotating the housing and screw, the aggregate feeding and bituminous supply apparatus comprising a housing and a rotatable agitator type conveyor therein, the latter terminating inmediately adjacent the discharge of the apparatus housing, the last mentioned discharge being coincident with the intake of the rotatable housing, the two housings disposed in end to end relation including an obtuse angular relationship therebetween.

2,486,324
SEGMENTAL GRIPPER STRUCTURE
Silas Elmer Rike, Centerton, Ind.
Application March 12, 1947, Serial No. 734,095
11 Claims. (Cl. 214—65.2)



1. In a fork finger supported brick gripping mechanism having a chambered, elongated finger, a shaft disposed longitudinally in and substantially coextensive with the chamber, and shaft bearing means in the chamber, the combination therewith of a plurality of longitudinally aligned, chamber nestable elongated brick grippers having longitudinal axes disposed parallel to longitudinal axes of the finger, each gripper being oscillatably mounted on said shaft and shaft oscillatable out of and into the chamber for brick gripping and release purposes, and means normally constraining the grippers in chamber nested and brick released position.

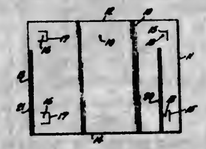
2,486,325
TELEPHONE SWITCHBOARD ATTACHMENT
Eugene E. Roberts, Washington, D. C.
Application May 17, 1948, Serial No. 27,595
3 Claims. (Cl. 173—361)



1. A telephone switchboard plug comprising a contact portion, an insulating portion supporting said contact portion, and an annular rubber ring having a cylindrical inner surface, mounted on said insulating portion, said rubber ring having suction cups formed on said internal surface thereof to enhance the grip between the ring and the insulating portion.

2,486,326
INTERLOCKING SHINGLE
David B. Ronzone, Wilmington, Del., assignor to Commonwealth Roofing Corporation, Wilmington, Del.
Application September 24, 1948, Serial No. 50,959
1 Claim. (Cl. 108—7)

An interlocking shingle comprising a body portion of general rectangular configuration having a forward edge, transverse edges and a rear edge, slots formed in the body portion adjacent the forward edge and spaced inwardly of the edges of the shingle, cooperating locking tabs formed in the body of the shingle adjacent the rear edge and spaced inwardly of the edges of the shingle, preformed nailing holes provided



in the body portion adjacent the slots and to the rear thereof, a preformed hole formed in the body of the shingle adjacent an upper transverse edge and midway of the length of the shingle, and raised ridges formed in the shingle extending partially across the width of the shingle, one of said ridges formed adjacent the slots and the other ridge formed at the rear edge of the shingle.

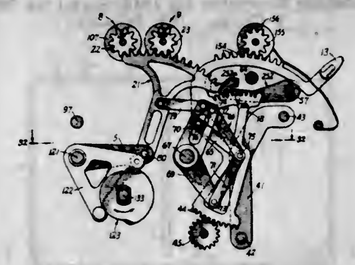
2,486,327
METHOD AND MEANS FOR PRODUCING DENTAL BRIDGEWORK
Peter Rothwell, Kenmore, N. Y.
Application October 4, 1946, Serial No. 701,214
6 Claims. (Cl. 32—12)



1. A denture in the form of a dental bridge, comprising a bridge-frame having crowns at opposite ends and a bridge-member connecting said crowns together, a false tooth applied to said bridge-member between said crowns, a light-absorbing veneer covering the front surface of each of said crowns and formed of moistened white acrylic and an opacifier with the globular granules of the acrylic disposed in a substantially single layer and with the opacifier rendering said granules slightly opaque to prevent light-rays passing therethrough and striking the surface of the crown underneath said veneer, and facings built up on the veneered surface of each of said crowns through which the light-rays pass to be absorbed in the slightly opacified veneer.

2,486,328
REGISTERING MECHANISM
Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware
Original application June 16, 1944, Serial No. 540,728. Divided and this application January 19, 1945, Serial No. 573,514
6 Claims. (Cl. 235—81)

1. In registering mechanism, in combination, a frame work, a register mounted on said framework, a setting lever, linkage means including four links quadrangularly positioned with respect to each other, pivot means pivotally connecting said links at the four corners of the quadrant they form, the effective lengths of links on opposed sides of said quadrant of links being of the same length between the axes of the pivot points connecting them to the other links, whereby opposed links of said quadrant are always parallel with respect to each other, one of said pivot points being fixed with respect to said framework, means for reciprocating one of the links connected to said fixed pivot point through a predetermined angle during each cycle of operation, said last mentioned link being the driving link of said quadrant of links, the link parallel to said driving link in said quadrant of links being the driven link, a guiding link pivotally connected to the pivot point of said quadrant of links diagonally positioned with respect to said fixed pivot point, said guiding link being of the same effective length as said driven link, means pivotally connecting said setting lever to the



other end of said guiding link, said last mentioned pivotal connection when said guiding link is in nonregistering position being aligned axially with the pivot point in said quadrant of links at the end of said driven link opposite to the one the guiding link is connected to, said guiding link being capable of being moved by said setting lever so that it is angularly positioned with respect to said driven link, whereby, when said driving link is driven, said driven link is driven transversely with respect to said driving link in proportion to the angular position of said guiding link with respect to said driven link, and means connecting said quadrant of links to one of the counterwheels of said register to drive said counterwheel during movement of said driving link in one direction.

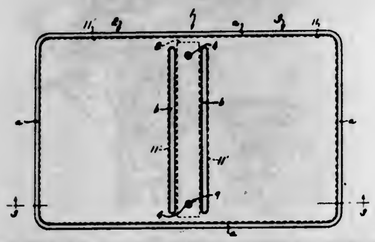
2,486,329
LOOSE-LEAF BINDER
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application July 12, 1945, Serial No. 604,647
1 Claim. (Cl. 129—4)



In a ring binder of the type having a plate supported ring mechanism riveted to the back thereof and having stiff fly leaves loosely threaded on the rings, longitudinally spaced U shaped members having their central portions riveted directly to the plate of the ring mechanism, the side portions of each said member being bent upwardly, outwardly and downwardly to form two arched, transversely spaced fly leaf supporting members at approximately the level of, and

on opposite sides of, the ring axis, the ends of the downwardly extending portions making a tongue and slot engagement with the plate, said fly leaves having flanges at their inner edges, the edges of the flanges being provided with hook portions, said flanges being inclined inwardly to engage said arched supports at a point below the hook portions when the binder is fully open.

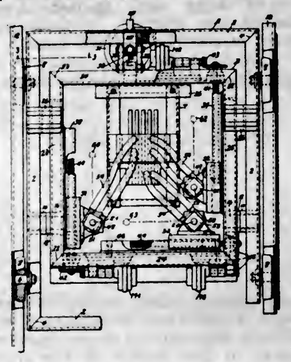
2,486,330
BINDER CASE CONSTRUCTION FOR BOOKS
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application November 15, 1946, Serial No. 709,956
1 Claim. (Cl. 281—29)



A binder case comprising two limply flexible sheets of thermoplastic material coextensive with each other and defining the overall dimensions of the case, a third sheet formed of thin flexible stiffening material of less over-all dimensions than said thermoplastic sheets positioned between the latter with the peripheral edge portions of the thermoplastic sheets extending beyond the peripheral edges of said third sheet, the latter being provided with spaced elongated slots defining a central back panel with a cover panel at each side thereof, said slots stopping short of the edges of said third sheet to provide a connection between the several panels at the ends of the back panel and preserve the continuity of the case structure about the entire periphery of the case, the said extending peripheral portions of the thermoplastic sheets being integrally welded into single sheet form from the peripheral edge of the third sheet to the peripheral edges of the thermoplastic sheets, the portions of the thermoplastic sheets opposite said slots being similarly integrally welded together through said slots, said thermoplastic sheets being free of attachment to the faces of the third sheet, the degree of stiffness of the cover portions being substantially that imparted thereto by the cover panels, said cover portions being characterized by the limited characteristic creeping movement permitted the limp thermoplastic sheets relative to the stiffer panel members by the elastic properties of the thermoplastic material.

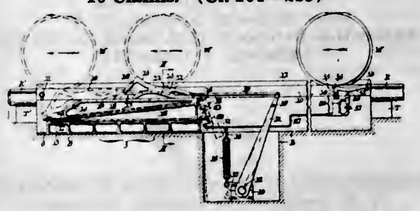
2,486,331
SPOT WELDING APPARATUS
Robert A. Shields, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 6, 1948, Serial No. 25,321
11 Claims. (Cl. 219—4)

1. In a spot welding apparatus the combination of a frame having a plurality of sides, an electrode tip carried by each of at least three of said sides, means to shift each tip along its respective side to vary the spacing and angular relationship of said tips, a source of welding cur-
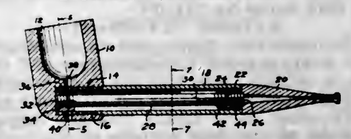


rent, and flexible leads connecting said source with said electrode tips.

2,486,332
RAILWAY CAR RETARDING MECHANISM
Lewis M. Showers, Lansdowne, Pa.
Application April 16, 1948, Serial No. 21,380
10 Claims. (Cl. 104—259)



1. Railway car retarding mechanism comprising duplicate units adapted to be associated with the individual rails of a car track in transversely aligned relation, each such unit including a skid arranged along the corresponding track rail and normally disposed below the rail top, and an element providing a friction surface lengthwise of the rail; a control device in advance of the skids adapted to be actuated by an on-coming wheel of the car; and interposed operating means connecting the skids and instrumental, upon actuation of the control device, to shift the skids longitudinally in a direction toward the on-coming car wheel and at the same time raise them above the rail tops into the path of the said wheel, so that they will be dragged over said friction surfaces in the direction of car travel and, by cooperation with the said surfaces, retard the movement of the car.

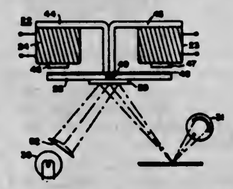
2,486,333
TOBACCO PIPE
Robert W. Simpson, Salem, Ohio
Application August 1, 1946, Serial No. 687,782
1 Claim. (Cl. 131—215)



A smoker's pipe comprising a bowl having a tobacco chamber, a threaded bore and two alined ports therein, one of the ports communicating

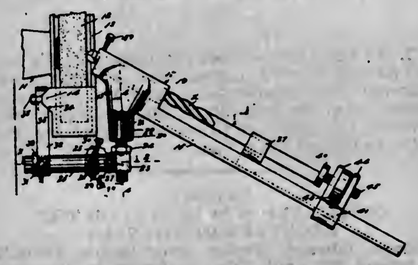
with the bore and chamber and the other port communicating with the bore and open to the atmosphere, a removable tubular stem threadably connected at one end to the bore in the bowl and a mouth piece removably connected to the opposite end of the stem, a plunger threadably connected to the mouth piece and extending into the stem, said plunger having an elongated slot at its connection to said mouth piece, and a valve threadably connected to the opposite end of the plunger, said valve including a curved seat whereby upon rotation of said mouth piece said seat will be positioned opposite to either of the ports for the smoking or cleaning of the pipe.

2,486,334
PHOTOELECTRIC SCANNER FOR REGISTER REGULATION
Frank Slamar, East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 25, 1948, Serial No. 51,138
6 Claims. (Cl. 250—235)



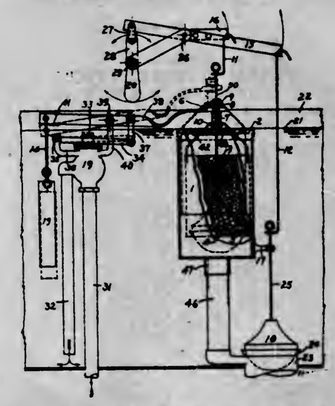
1. A scanning device for register regulation, comprising an electromagnet structure with two parallel pole pieces and two coils on said pole pieces, an armature extending across said pole pieces in spaced relation thereto and being fulcrumed on said structure for rocking movement toward and away from said respective pole pieces, spring means for biasing said armature toward the mid-position of said movement, a reflector mounted on said armature oscillatorily reflecting a scanning beam of light, alternating-current terminals connected to said coils and two rectifiers connected between said respective coils and said terminals in mutually inverse polarity of connection.

2,486,335
TWIST DRILL GRINDING FIXTURE
Neil C. Smith, Minneapolis, and Wallace E. Johnson, Robbinsdale, Minn.; said Johnson assignor to said Smith
Application January 14, 1946, Serial No. 641,088
5 Claims. (Cl. 51—219)



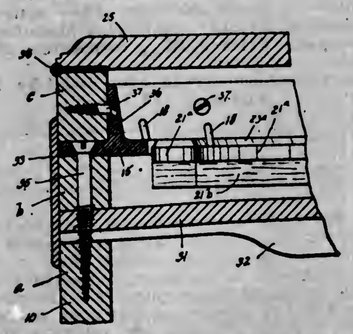
1. In a device of the class described, a supporting member, a member mounted on the supporting member to turn about a horizontal axis and having a vertically disposed stud, an inclined drill rest pivotally mounted on the stud, said member having a vertically disposed slot, a fixed pin on the supporting member and extending into the slot, and a pair of opposing set-screws having threaded engagement with the member and impinging the pin on opposite sides, and operable to vary the inclination of the drill rest.

2,486,336
FLUSH TANK
Verner F. Smith, Lawrence, Kans.
Application July 12, 1945, Serial No. 604,689
3 Claims. (Cl. 137—68)



1. An inlet valve mechanism for flush tanks comprising a liquid inlet, a valve controlling said inlet, a lever having an operative connection to the valve, a force impelling means acting on the lever to tend to relieve the valve of the closing action of the lever, a vessel positioned to receive overflow from the flush tank, said vessel being suspended from said lever by a tubular element to move the lever to close the valve when the vessel is weighted with water, said vessel having an outlet at its bottom, and a valve controlling said outlet to empty the vessel and thereby relieve the valve of its closing force, said valve being operable by means of a lifting rod passing through said tubular element as a guide.

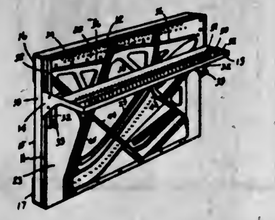
2,486,337
PIANO CONSTRUCTION
Francis C. Socin, St. Charles Township, Kane County, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application October 27, 1945, Serial No. 625,039
8 Claims. (Cl. 84—184)



1. In a horizontal piano structure having a piano case of the square type with back and side

walls, a front panel, a key bed supporting said walls and panel, and a piano action supported within said case adjacent said front panel, the combination therewith of a string plate extending over said action from adjacent said front panel to said walls, a sounding board supported at its back and ends by said back and side walls, an overhanging cross support for the front thereof carried by said key bed, and treble and bass bridges secured at one end only to said sounding board to permit free vibration of said board throughout the central and far end thereof.

2,486,338
PIANO CONSTRUCTION
Ralph W. E. Sperry and Jack C. Herth, De Kalb, Ill., assignors to The Rudolph Wurlitzer Company, De Kalb, Ill.
Application September 28, 1946, Serial No. 700,102
3 Claims. (Cl. 84—184)



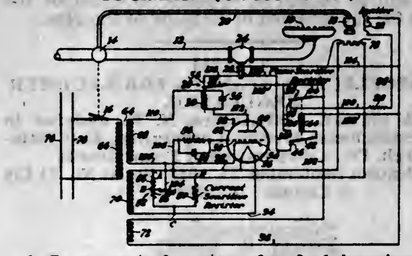
1. In an upright piano, a structural unit comprising a series of spaced uprights formed of steel tubing, a metal channel member embracing the upper ends of said uprights and secured thereto, a companion channel member embracing the lower ends of said uprights and secured thereto, said uprights and channel members forming a back structure, a sounding board extending over and in spaced relation to said back structure, a steel string plate extending over and spaced from said sounding board, a wrest plank embracing the upper edge of said sounding board extending along the upper channel member, filler strips embracing the sides and the lower edge of said sounding board extending vertically along the side tubing members and extending horizontally along the lower channel member, and means for securing said string plate directly to said back structure through said sounding board free from engagement therewith.

2,486,339
RAILWAY CAR DOOR FIXTURE
Stanley J. Stone, Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 25, 1946, Serial No. 712,184
5 Claims. (Cl. 16—96)



1. For use in a railway car having a horizontally slidable door, the combination of spaced rollers adapted to be secured to said door in spaced planes parallel to the door, and a track having treads in spaced planes parallel to the door, one of said rollers adapted to roll upon one of said treads and the other of said rollers adapted to roll upon the other of said treads, each tread having longitudinally spaced depressions, one for receiving its respective roller in the open position of the door, and the other for receiving said roller in the closed position of said door.

2,486,340
SAFETY CONTROL AND IGNITION SYSTEM FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application December 19, 1946, Serial No. 717,183
14 Claims. (Cl. 158—117.1)



1. In a control system for fuel burning apparatus having a source of fuel supply, the combination of electrically operable means movable between positions for controlling the fuel supply to be burned, an electronic device having the output circuit thereof connected to said means for supplying operative energy thereto, a bridge circuit comprising a branch connected to the input circuit of said device, and a plurality of resistance means in at least two other branches of said bridge, one said resistance means being responsive to temperature changes caused by the burning fuel for varying in resistance value and being cooperable with the other said resistance means for varying the potential across said input circuit and causing variations in the output energy supplied to said electrically operable means sufficient for movement thereof between said positions.

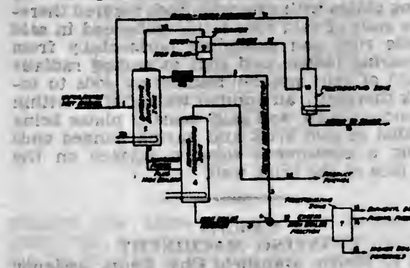
2,486,341
ELECTRICAL CONTACT ELEMENT CONTAINING TIN OXIDE
Max Joseph Stumbock, South Orange, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application June 30, 1945, Serial No. 602,540
2 Claims. (Cl. 75—22)



2. An electrical contact for making and breaking electric current, formed of a compressed and sintered metal powder taken from the group consisting of silver and copper and containing distributed therethrough tin oxide constituting from 0.1% to 10% of the whole.

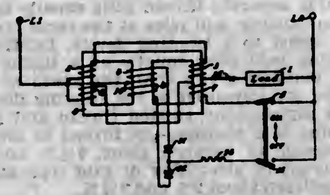
2,486,342
DISTILLATION PROCESS FOR THE RECOVERY OF PHENOLS
George Edward Taylor and James Franklin Adams, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application March 7, 1947, Serial No. 733,070
7 Claims. (Cl. 202—40)

6. In a process for the recovery of phenol, higher boiling phenols and aromatic ethers from a mixture of said phenols, ethers and water comprising the crude reaction-product mixture of a process for the manufacture of phenol, the steps comprising passing a vaporized mixture of phenol and water into an extractive distillation zone wherein the vaporized mixture is contacted with a countercurrent liquid solvent reflux comprising a mixture of said higher boiling phenols and ethers comprising predominantly diphenyl ether and phenyl phenol recycled from a phenol refining fractionating zone to the upper portion of said extractive distillation zone for use as the liquid solvent and reflux therein, thereby effecting a preferential absorption of said phenol in said solvent reflux; withdrawing the extracted water vapor from the upper portion of said ex-



tractive distillation zone, and withdrawing from the lower portion of said extractive distillation zone, the said solvent reflux with said phenol dissolved therein; subsequently fractionating said solvent reflux with said phenol dissolved therein in a fractionating zone, withdrawing substantially pure phenol as an overhead fraction from said fractionating zone and withdrawing from the lower portion of said fractionating zone a liquid mixture of said higher boiling phenols and ethers comprising predominantly phenyl phenol and diphenyl ether, recycling a portion of the liquid mixture of said higher boiling phenols and ethers to the upper part of said extractive distillation zone for use as the liquid solvent reflux therein, and removing the unrecycled portion of the said liquid mixture of higher boiling phenols and ethers from the system.

2,486,343
CIRCUIT CONTROL APPARATUS
Owen L. Taylor, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1947, Serial No. 788,813
10 Claims. (Cl. 323—9)

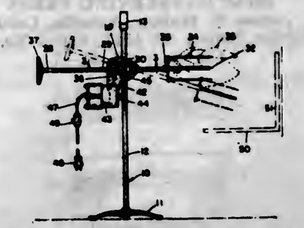


1. Alternating-current control apparatus, comprising terminals to provide A.-C. voltage, a load circuit connected across said terminals and having first coil means, a control circuit connected across said terminals and having second coil means and circuit control means for controlling the energization of said second coil means, a saturable core inductively associated with said first and second coil means, said second coil means being poled so that said second coil means when energized induces voltage in said first coil means in opposition to said A.-C. voltage, and another control circuit connected across said terminals and having a saturating coil and direct-current supply means and another circuit control means for controlling the direct-current energization of said saturating coil, said saturating coil being inductively associated with said core for saturating said core, and said two control means being associated with each other so that only one of said second coil and said saturating coil is energized at a time.

2,486,344
HECTOGRAPH BLANKET AND METHOD OF PREPARING THE SAME
Robert W. Tatge, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application October 31, 1945, Serial No. 625,953
4 Claims. (Cl. 117—35.6)

1. A hectograph blanket comprising a gelatin containing gelatinous copy mass and a backing having a coating in contact with said copy mass of a composition comprising a cellulose ester, a plasticizer and at least 5% by weight of an aliphatic ester of a monohydroxy aliphatic alcohol and having less than 20 carbon atoms and a fatty acid having more than 6 carbon atoms and less than 20 carbon atoms in an unbroken chain bonded to a carboxyl group.

2,486,345
BARBECUE SPIT
Joseph P. Trinisi, Los Angeles, Calif.
Application April 22, 1946, Serial No. 663,933
6 Claims. (Cl. 99—421)

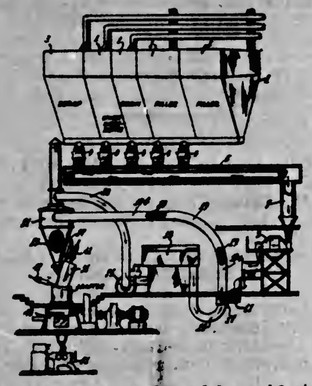


1. A motorized barbecue device comprising a stand, a bracket mounted on said stand for vertical adjustment thereon, a food supporting spit shaft journalled in said bracket and extending laterally therefrom, said spit shaft being axially slidable in said bracket, means for supporting a food article on a laterally projecting end portion of said spit, a drive motor mounted on said bracket, and speed reducing drive means operatively connecting said motor to said shaft, said drive means including an axially fixed sprocket having slidable driving connection with said spit shaft.

2,486,346
APPARATUS FOR PLASTICATING THERMOPLASTIC MATERIALS
Theodore Wachs, Cynwyd, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 21, 1945, Serial No. 579,006
5 Claims. (Cl. 18—4)

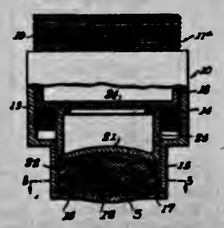
1. In apparatus for plasticating a mass of solid, thermoplastic material of particle size, the com-

bination of a source of hot gas, a cyclone separator adapted to separate from said gas solid particles dispersed therein, means for directing a stream of said hot gas from said source to said separator along a certain path, means for introducing said particles into said stream at a point along said path whereby said particles will become dispersed in said hot gas and will be heated



thereby while being delivered by said stream to said separator, said separator then serving to separate said heated particles from said gas, storage means associated with said separator for receiving and storing therein said separated, hot particles, and plasticating means associated with said storage means for thereafter receiving therefrom and effecting plastication of said hot particles into a unified, plastic mass.

2,486,347
SOAP CONSERVING PRESS
James N. Walker, Arcadia, Calif.
Application March 29, 1947, Serial No. 738,195
2 Claims. (Cl. 25—7)



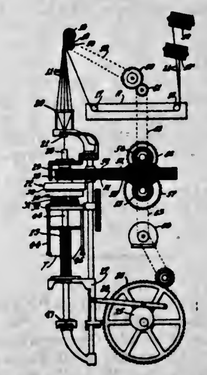
1. A soap conserving press comprising an outer member formed at one end to have an internally threaded cylindrical tubular portion and at the other to have a non-cylindrical tubular portion, the end of the latter portion being open and defined by an inwardly directed flange, a closure plate supported by said flange, a pressure element threadedly engaged with the threaded tubular portion of the outer member, and manually rotationally movable toward and from the non-cylindrical portion of said outer member, said pressure element having a transverse wall, and a separate member having a shape similar to that of the non-cylindrical portion and slidably fitted therein, said separate member having a transverse wall opposite to said closure plate and said separate member being movable non-rotationally endwise by the pressure element to compress material between the closure plate and the transverse wall of said separate member.

2,486,348
BLAST FURNACE WALL STRUCTURE
Guy Wehr, Steubenville, Ohio, assignor to William M. Bailey Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1945, Serial No. 621,326
2 Claims. (Cl. 266—43)



1. In a blast furnace wall, a wall portion in the region of the stock line comprising a monolithic concrete ring having steel reinforcing therein including annular reinforcing rods and having wearing plates with extension rods secured thereto, the ends of said rods being embedded in said concrete ring and extending horizontally from the wearing plates, said rods extending radially outward of said annular reinforcing rods to interlock therewith, an annular wall of brick within the concrete wall, and said wearing plates being imbedded in said brick and having flanged ends forming a continuous wearing surface on the inner face of the brick wall.

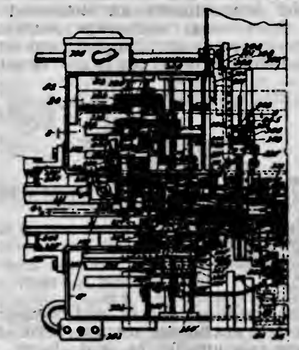
2,486,349
TWISTING MACHINERY
Albert E. Welch, Mansfield City, Conn., assignor to The American Thread Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1945, Serial No. 617,726
5 Claims. (Cl. 57—55.5)



1. A method of increasing the tensile strength of multiple-ply twisted thread, which comprises stretching separate thread plies equally by positively advancing said plies at the same predetermined speed to a twisting device, twisting and advancing said plies equally at a higher speed in the twisting device than the speed at which the plies are advanced to the twisting device, to form a multiple-ply twisted thread and further stretching said multiple-ply thread to provide a total stretch of between about 8½% and 10%, the amount of stretching of said separate plies being between about 2% and 3½%.

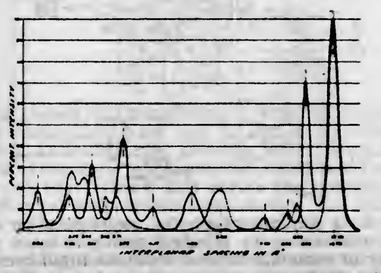
2,486,350
BAG STRINGING MACHINE
Edward E. West, Richmond, Va.
Application June 21, 1944, Serial No. 541,431
29 Claims. (Cl. 112—2)

1. A machine for stringing bags having hems at their mouth ends, means for threading draw strings through the hems, hem reversing means having means gripping the side edges of the bags for turning the bag hems right side out for stringing, means associated with the hem reversing means for engaging the body of the bag adjacent the hemmed mouth thereof intermediate said



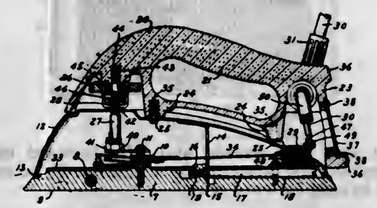
gripped side edges for partially turning the body of the bag right side out, means for completing the turning of the bag body, said last mentioned means operable during the stringing operation, and means for feeding bags to said hem reversing means.

2,486,351
SOLVENT STABLE METAL PHTHALOCYANINE PIGMENTS AND METHODS OF MAKING THE SAME
Richard H. Wiswall, Jr., Oak Ridge, Tenn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 13, 1948, Serial No. 1,924
8 Claims. (Cl. 260—314.5)



1. A method of producing a finely divided, tinctorially strong, halogen free, sulfuric acid stable, metal phthalocyanine pigment, which on prolonged contact with organic liquids capable of producing crystal growth with acid-pasted phthalocyanine pigments will have an average particle size of less than 2 microns, which comprises subjecting the pigment to the action of a crystallizing organic liquid for a sufficient time to grow coarse crystals having an average particle size greater than 2 microns and exhibiting a Robertson type complex X-ray diffraction pattern, subjecting the coarse crystals thus obtained to grinding with a dry grinding aid to produce a pigment having an average particle size below 2 microns and mostly below 1 micron, and subjecting the ground crystalline material to the action of an organic crystallizing liquid.

2,486,352
ELECTRIC IRON
Ernst Witzel, Milwaukee, Wis., assignor, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis., a corporation of Wisconsin
Original application September 4, 1945, Serial No. 614,160, now Patent No. 2,418,285, dated April 1, 1947. Divided and this application November 12, 1946, Serial No. 709,264
2 Claims. (Cl. 219—25)



1. A flat iron comprising, a sole plate having an electric heater associated therewith, a thermostatic control switch for said heater carried by said sole plate, a hollow body normally concealing said switch, a manipulating handle secured to said body, and adjusting mechanism for said switch including a dial journalled for rotation in said handle, a longitudinally movable stem rotatably supported from said switch, and a motion transmitting bifurcated element having a prong slip-fitted within an eccentric hole in said dial and also having a central hub angularly adjustably attached to said stem.

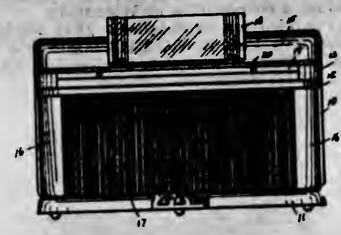
2,486,353
COATING COMPOSITIONS COMPRISING REACTION PRODUCTS OF PENTAERYTHRITOL AND BODIED TRIGLYCERIDE DRYING OILS
Howard C. Woodruff, Mamaroneck, N. Y., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1943, Serial No. 496,046
13 Claims. (Cl. 106—222)

1. A composition suitable for reaction with acidic materials to provide bases for coating compositions which comprises a homogeneous reaction product obtained by heating at a temperature of approximately 540° F. and in the absence of a catalytic substance promoting alcoholysis approximately 15 parts by weight of pentaerythritol and approximately 200 parts by weight of a substantially neutral heat-bodied linseed oil having a viscosity of approximately Z.

2,486,354
CASING FOR UPRIGHT PIANOS
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application October 20, 1944, Serial No. 559,550
2 Claims. (Cl. 84—177)

1. In an upright piano structure comprising a vertical back board, a supporting platform pedestal therefor, a key bed secured to said back board to extend over said pedestal and be supported thereon by inset concealed legs, the combination therewith, of removably mounted piano casing sections including a preformed forward panel unit mounted on said pedestal intermediate said legs extending from said key bed downwardly and inwardly sloping to said pedestal, the upper portion thereof being inset inwardly from the

outer edge of said key bed, and a pair of preformed laterally curved end panels, each mounted between the respective ends of said forward



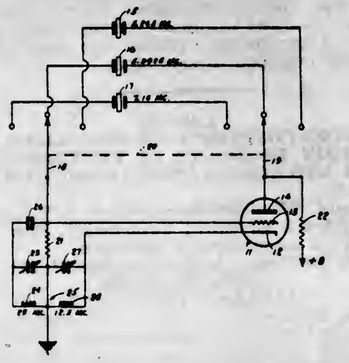
panel and back frame with the forward edge thereof sloping downwardly and inwardly to conform to said forward panel.

2,486,355

CRYSTAL HARMONIC OSCILLATOR

Emmery J. H. Bussard, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application November 3, 1948, Serial No. 58,038
7 Claims. (Cl. 250—36)



1. A crystal oscillator comprising an electron tube having anode, control and cathode electrodes, a feedback crystal circuit including an odd-harmonic mode crystal and means for coupling it between said anode and grid electrodes, an inductively reactive tank circuit coupled to said control electrode and fixed-tuned to resonate above the output frequency of said crystal, a capacitively reactive tank circuit coupled to said cathode and fixed-tuned to resonate below the output frequency of said crystal, and means for discriminating against crystal feedback at fundamental frequencies.

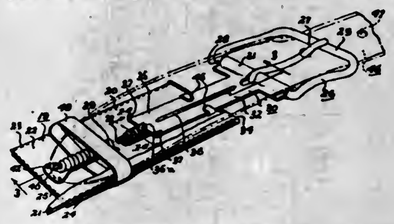
2,486,356

RESILIENT EXPANSIBLE BUCKLE MOUNTING

Lloyd H. Enslick, Flourtown, Pa., assignor to Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 22, 1948, Serial No. 50,592
9 Claims. (Cl. 2—322)

5. For use with a flexible garment-supporting belt or the like having one end folded inwardly and peripherally stitched to provide a generally enclosed compartment having front and rear panels and having a slot formed along the fold-line; a resilient and expansible mounting for a buckle or the like comprising a connector constructed and arranged to support said buckle and having an elongated generally flat sheet-metal shank extending through said slot and within said compartment, an elongated generally flat sheet-metal anchorage member disposed entirely within said compartment and having one end fixedly connected to one of said pan-



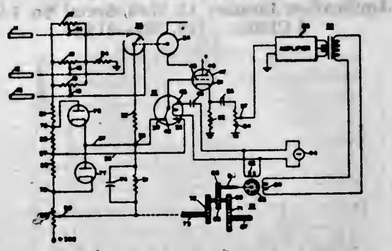
els adjacent the inner end of said compartment, said elongated anchorage member extending in face-to-face relationship to said shank, means for maintaining said shank in face-to-face sliding relationship with said elongated anchorage member, and a helical spring operatively interposed between the inner end of said shank and an end of said anchorage member and in juxtaposed side-by-side relationship to said elongated anchorage member.

2,486,357

REMOTE CONTROL SYSTEM

Clarke M. Gilbert, Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York

Application August 13, 1947, Serial No. 768,358
8 Claims. (Cl. 318—29)



1. In a control system for positioning an output mechanism to selected positions by a plurality of remotely located separate input mechanisms, reversible motor means for positioning said output mechanism, a bridge circuit including a plurality of input potentiometers each having their movable contacts operatively connected to separate ones of said input mechanisms, an output potentiometer having its movable contact operatively connected to said reversible motor means and to said bridge circuit, a source of direct current potential for said bridge circuit, selective switching means for successively connecting the movable contacts of said input potentiometers in said bridge circuit whereby the direct current potential impressed across the output terminals of said bridge circuit is a function of the relative displacement of the movable contact of said output potentiometer and the selected movable contact of said input potentiometer thereby producing a direct current "error voltage," means for converting said direct current "error voltage"

to an alternating current "error voltage" of equivalent phase and amplitude, means for energizing said reversible motor means including said alternating current "error voltage" whereby said motor means is caused to operate in a direction and at a speed dependent on the phase and amplitude of said alternating current "error voltage" reactance means connected in said bridge circuit for varying said direct current "error voltage" in accordance with the speed of said reversible motor means to prevent hunting thereof and means connected in said bridge circuit for limiting the amplitude of said direct current "error voltage."

2,486,358

REDUCTION OF NITROBENZENE TO HYDRAZOBENZENE

Gerardus Hallie, Geleen, Netherlands, assignor to de Directie van de Staatsmijnen in Limburg, handelend voor en namens de Staat der Nederlanden, Heerlen, Netherlands

Application April 6, 1949, Serial No. 89,614
In the Netherlands April 2, 1948
7 Claims. (Cl. 260—569)

1. A process for the reduction of nitrobenzene to hydrazobenzene which comprises bringing an aqueous alcohol solution of nitrobenzene together with a liquid amalgam of an alkali metal containing about 0.1 to 0.2% alkali metal in contact with carbon, allowing said materials to react in the presence of the carbon and recovering the hydrazobenzene thus formed.

2,486,359

PISTON RING

George C. Mayfield, Richmond Heights, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware

Application September 27, 1945, Serial No. 618,857
11 Claims. (Cl. 309—45)



1. A piston ring comprising a channel having edges continuous from end to end of the ring, the ends of the channel abutting when in operation, and incisions in the channel extending from near one edge toward and across the bottom of the channel and therebeyond toward the other edge, said incisions terminating short of both edges but being substantially eccentric so that substantially more substance remains beyond one end of the incision than remains beyond the other end, thereby forming a series of circumferentially flexible webs at the peripheral edges of the ring.

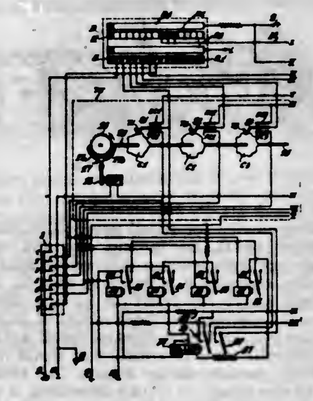
2,486,360

SUPERVISORY SIGNAL SYSTEM

Ian N. McBain, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a corporation of New South Wales, Australia

Application November 8, 1945, Serial No. 627,495
In Australia March 8, 1945
4 Claims. (Cl. 178—4)

1. A code signalling system comprising a tape controlled transmitter unit, a code element keyer, a distributor, an auxiliary signalling device interposed between said keyer and said distributor, said device constituting means for transmitting a train of code signals which includes an "upper-case" shift signal, a bell signal and a "lower-case" shift signal in succession; a plurality of cams and associated switch contacts located in said auxiliary signalling device for producing said train of code signals, one of said cams being effective in cooperation with a differential relay to



reverse the sense of a certain case shift signal, means including storage relays operable in response to the keying of an "upper-case" shift signal by said keyer for nullifying the effect of a "lower-case" shift signal subsequently keyed by said auxiliary signalling device, and means for de-energizing said relays in response to a "lower-case" shift signal initiated by said tape controlled transmitter.

2,486,361

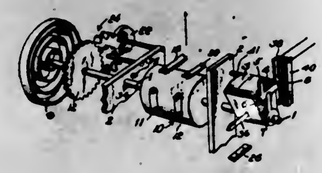
CATALYTIC CONVERSION OF HYDROCARBONS

Paul G. Nahin, Lynwood, and Hal C. Huffman, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application October 20, 1944, Serial No. 559,650
17 Claims. (Cl. 196—28)

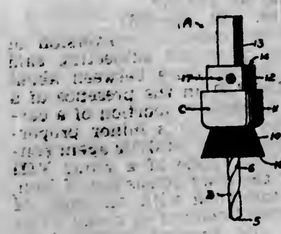
1. A process for the catalytic conversion of hydrocarbons which comprises subjecting said hydrocarbons to a temperature between about 500° F. and about 1500° F. in the presence of a catalyst comprising a major proportion of a carrier and impregnated thereon a minor proportion of a catalytic agent, said catalytic agent consisting essentially of an oxide of a group VIII metal selected from the class consisting of iron, cobalt and nickel, combined with an oxide of a metal of the left-hand column of group VI of the periodic table, said catalyst having been prepared by a method which comprises dissolving a salt of said group VIII metal and a salt of said group VI metal in an aqueous ammonia solution so as to obtain an impregnation solution having an ammonia concentration between about 5 and 15 molar in which the molar ratio of ammonia to said group VIII metal is at least twice the ionic charge of said metal, immersing said carrier in said impregnation solution, adsorbing said solution thereon, drying the thus impregnated carrier, and calcining the dried impregnated carrier to convert the adsorbed metal compounds to the desired catalytic agent.

2,486,362
ACCELERATION SWITCH
Laurence A. O'Brien, South Orange, N. J., assignor, by mesne assignments, to United States of America as represented by the Secretary of War
Application November 7, 1946, Serial No. 708,388
3 Claims. (Cl. 102—70.2)



1. Arming device for fuzed projectiles comprising a rotary shaft, an inertia element consisting of an eccentric weight latched to said shaft for rotation therewith, first stop means, means biasing said shaft for rotation in one direction to bring said element to bear against said stop means in a position such that setback acting on said weight will tend to rotate the shaft against said biasing means, delay means for retarding rotation of the shaft in either direction, a switch actuated by said inertia element upon sustained setback to initiate arming of said device, means for unlatching said weight from said shaft upon said sustained setback, thereby rendering said stop means ineffective, a rotary powder train interrupter normally carried by said shaft in unarmed position, and second stop means for stopping said rotary interrupter in armed position against the force of said biasing means a predetermined time interval subsequent to cessation of said sustained setback.

2,486,363
COMBINATION DRILL AND BRUSH
Damon D. Purvis, Jacksonville, Fla., assignor of one-half to Carl D. Langston
Application January 29, 1947, Serial No. 725,011
4 Claims. (Cl. 77—65)



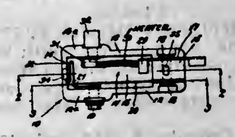
1. In a tool, means for drilling a hole in a workpiece and causing the material removed from the hole to move to the surface of the workpiece, including a drill having a grooved portion and a shank portion, and means carried by said first means to clean said material from said surface adjacent said hole after said material reaches said surface including a brush having a body and bristles with said grooved portion extending outwardly of said bristles and said body secured to said shank portion.

2,486,364
BOTTLE CAP OR CLOSURE
Elta Simmons, New York, N. Y., assignor to The Pyramid Rubber Company, Ravenna, Ohio
Continuation of application Serial No. 441,489, May 2, 1942. This application May 19, 1945, Serial No. 594,681
6 Claims. (Cl. 215—56)



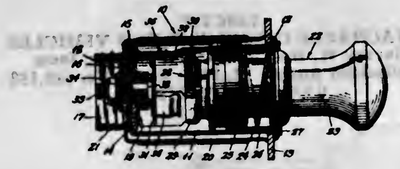
1. In combination, a bottle having a mouth formed with an external bead at the open extremity thereof, and a soft rubber cap for closing said bottle, said cap comprising a body including a valve structure and a base structure connected to the body, the base structure being formed with a flange to fit beneath the bead at the bottle mouth and retain the cap on the bottle during use, said valve structure having a conical outer surface and including an inverted substantially conical projection on the under side of the value structure, said conical projection adapted to project into the mouth of the bottle, and being of less diameter at its smaller end than the interior diameter of the mouth of the bottle, and tapering outwardly to a size sufficient to wedge tightly within the mouth of the bottle when the value structure is displaced downwardly by the action of external pressure on the cap greater than the pressure within the bottle, said cap body being formed to position the valve structure spaced away from the mouth of the bottle sufficiently to free said inverted conical projection from wedging engagement in the mouth of the bottle when the internal pressure in the bottle is equal to or greater than the external pressure on the valve structure, said valve structure having a central conical recess in its lower surface and having a valve vent formed therethrough communicating with the top of said recess and adapted to open to permit the escape of pressure from the bottle, said valve vent being held in a sealed condition when the valve structure is displaced inwardly of the bottle by the wedging of said inverted conical projection in the mouth of the bottle, the top of the recess in the valve structure with which the valve vent communicates lying close to the plane of the mouth of the bottle when the valve structure is displaced inwardly, whereby such inward displacement closes the vent and does not permit leakage.

2,486,365
THERMOSTATIC SWITCH
Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 23, 1943, Serial No. 515,413
11 Claims. (Cl. 200—122)



5. As a new article of manufacture, a quick-acting switch having an elongate metallic driver anchored at only one end and having an electrical terminal connected to said end, said driver being adapted near its anchored end to respond to heat to cause the other end thereof to move in a lateral direction; a U-shaped metallic driven member having the end of one arm electrically contacting and pivotally engaging the driver, the other arm having its end being restricted in movement and located out of line with the ends of the elongate member and in a position where driving movement of the latter in response to heat tends to line up all ends of both members, the distance between the ends of the driven member being less than the length of the driver, said driven member yielding in response to pressure on its pivotal end, said end pressing continuously on the driving end of the driver in a direction which, as heat is applied to the latter and the end thereof moves, changes and approaches a line normal to the path of movement of said driving end; a resilient arm mounted on the free end of the driver engaging arm of the driven member to function as an extension thereof, said resilient arm having a free end carrying an electrical contact electrically connected to the driven member, said arm being longer than the distance between the ends of the driven member to impart a travel to the contact at least twice the travel of said pivotal end; a stationary contact engaging the movable contact to control a circuit thereby; and an electrical terminal connected with said stationary contact.

2,486,366
CIGAR LIGHTER
Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application February 14, 1948, Serial No. 8,401
2 Claims. (Cl. 219—32)



1. In an electric cigar lighter, a holder for supporting an igniting unit for energization and for complete removal therefrom for use; a stud carried by the holder; and automatic, heat-responsive latch-and-switch means carried by said stud and engageable with the igniting unit, said means comprising a bimetallic disk welded along a centrally-located circle to the stud and located to receive heat from the igniting unit, and comprising a plurality of monometallic latching contact arms extending from a side of said disk, each arm having one end bent at an angle and secured to a peripheral portion of the disk and having the other end free, said other end swinging one way or the other in response to heating or cooling respectively of the disk.

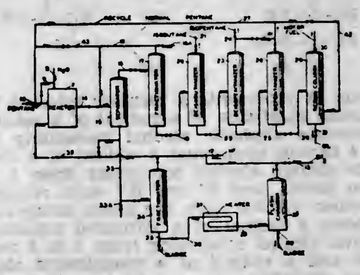
2,486,367
PINEAPPLE CROWN TRIMMING MACHINE
John Abrey and James Tait Munro, Honolulu, and James Thomas Youd, Lanikai, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application July 14, 1945, Serial No. 605,064
10 Claims. (Cl. 146—6)

1. Apparatus for trimming an outgrowth such as the crown from the body of a pineapple or the like which includes a conveyer for supporting and advancing said body with said outgrowth at one side of the conveyer, feed means arranged at said side of the conveyer to grip said outgrowth and feed it forwardly in the direction of advance of the conveyer at a rate timed to the rate of advance of the conveyer, and cutter means interposed between said conveyer and said feed means for severing said outgrowth from said body, said feed means comprising a pair of co-operating rotary feed shafts arranged to extend longitudinally of said conveyer at opposite sides of the path of travel of said outgrowth to receive said outgrowth



between them, co-operating worm threads on said shafts for gripping and feeding said outgrowth, and means mounting said shafts to converge from their rearward toward their forward end portions, said last named means including resilient supports for the forward ends of said shafts yieldable to permit spreading apart of said shaft ends and pivot mountings for the rearward ends of said shafts on which said shafts are pivotal in the direction of spreading movement of their forward ends.

2,486,368
HF-BF_3-H_2O ISOMERIZATION CATALYST
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application November 23, 1943, Serial No. 511,444. Divided and this application February 11, 1946, Serial No. 646,735
2 Claims. (Cl. 252—433)

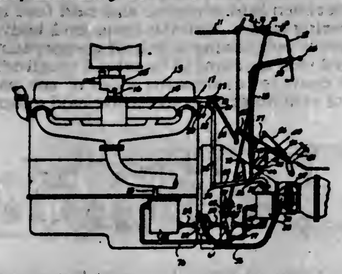


1. A catalyst consisting essentially of the product resulting from admixing liquid hydrogen fluoride, between about 0.1 and about 10 per cent by weight of boron trifluoride in excess of that molecularly equivalent to the water present, and water in an amount between about 0.05 and about 1.0 per cent by weight and less than that molecularly equivalent to the boron trifluoride present.

2,486,369
MOTOR VEHICLE AUTOMATIC SPEED REGULATOR
Wensell I. Goss, Pittsburgh, Pa.
Application March 9, 1948, Serial No. 13,823
4 Claims. (Cl. 192—.084)

1. In combination with a motor vehicle internal combustion engine and a clutch lever, a fuel control valve, a throttle lever associated with said valve, a fluid reservoir, a pump connected to said reservoir, means drivingly coupling said pump to the vehicle propeller shaft, a cylinder,

conduit means connecting said pump to said cylinder and including manually adjustable fluid by-pass means extending from said conduit means back to said reservoir, a piston in said cylinder, manually settable means for transmit-



ting force from said piston to said throttle lever in accordance with the rate of discharge of fluid into said cylinder from said conduit means, and means connected to the clutch lever of the vehicle for releasing said manually settable means.

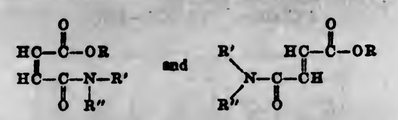
2,486,370

COPOLYMERS OF ISOPROPENYL ACETATE AND FUMARIC OR MALEIC ESTER-AMIDES

William O. Kenyon and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 13, 1947, Serial No. 768,513
8 Claims. (Cl. 260—78)

1. A copolymer of isopropenyl acetate and an ester-amide selected from the group consisting of



and

wherein R represents a member selected from the group consisting of a radical of a saturated monohydric aliphatic alcohol containing from 1 to 4 carbon atoms and a radical of a monohydric olefinic alcohol containing from 1 to 4 carbon atoms, and R' and R'' each represents a member selected from the group consisting of hydrogen, a radical of a saturated monohydric aliphatic alcohol containing from 1 to 4 carbon atoms and a radical of a monohydric olefinic alcohol containing from 1 to 4 carbon atoms, the molar ratio of isopropenyl acetate to said ester-amide in said copolymer being 1:1.

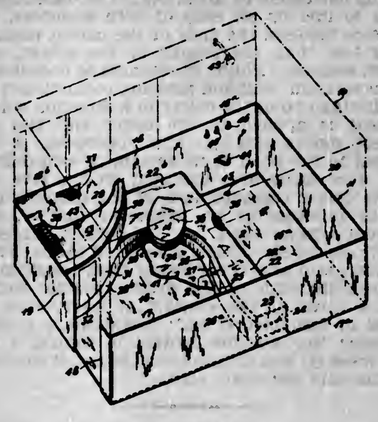
2,486,371

BATHROOM CONSTRUCTION

Onnie Mankki, Cleveland Heights, Ohio, assignor to Designers For Industry, Inc., Cleveland, Ohio, a corporation of Ohio

Application September 22, 1945, Serial No. 617,951
2 Claims. (Cl. 189—1)

1. A bathroom unit comprising an integral prefabricated box-like structure made of sheet metal and having a bottom wall and side walls including a pair of intersecting side walls defining an included corner, an upstanding transverse sheet metal structure extending across said unit integrally connected with said bottom wall and certain of said side walls so as to cooperate with said bottom wall and said certain side walls in defining a bathtub, a dished sheet metal structure connected with said pair of intersecting side walls so as to span said included corner and cooperating with said intersecting walls in defining a lavatory having a front rim, said dished sheet metal structure including an upright wall portion extending between and integrally connected



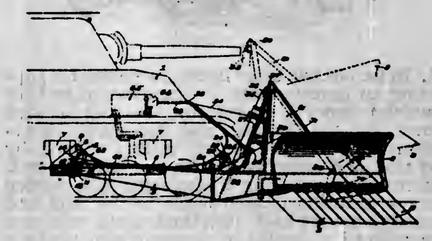
with said front rim and said bottom wall and said transverse structure having a portion of relatively increased width connected with and merging into the upright wall of said dished structure, and a toilet bowl located in said portion of relatively increased width.

2,486,372

DETACHABLE IMPLEMENT FOR VEHICLES

Harvey W. Rockwell, Cedar Rapids, Iowa

Application August 12, 1944, Serial No. 549,182
6 Claims. (Cl. 248—1)



1. In a propelled earth-working implement having vehicle connecting structure thereon for attachment of said implement to a propelling power-driven vehicle across one end of the latter, said connecting structure including a pair of arms extending rearwardly from said implement and pivotally mountable one on each side of said vehicle, each of said arms being pivotally mountable adjacent its free end to a stud extending laterally from the respective side of said vehicle, and an upright on said implement pivotally connectable at its free end to the free end of a jack mounted on said vehicle, the combination with said connecting structure of quick detachable connecting mechanism comprising a half-bearing on the free end of each of said bars, a complementary half-bearing pivotally mounted on each of said bars and forming with the respective first mentioned half-bearing a complete bearing engageable with the corresponding said stud, a finger extending from each said complementary half-bearing, a hook member pivotally mounted on each of said bars and removably engageable with the corresponding said finger to retain said complementary half-bearing in engagement with said stud, a withdrawably removable connecting pivot pin slidable mountedly in said free end of said upright and said free end of said jack, a cable drawing device actuatable to simultaneously draw a plurality of cables drawably connected thereto, cables extending from said hooks and said pin and drawably connected to said device, and means for actuating said device, whereby to simultaneously remove said hooks from said fingers and withdraw said pin.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

515,343. HIGH VOLTAGE CERAMIC DISC CONDENSER. Jeremiah Morris Morgan, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed Dec. 23, 1943. Published Oct. 25, 1949. Class 175—41. One sheet of drawings.

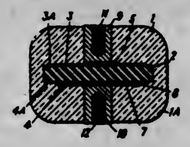


Fig. 1.

The disclosure relates to a high voltage electric condenser of the ceramic disc type. The ceramic disc is preferably constructed of titanium dioxide having a dielectric constant in the order of 90 to 100. Each major surface of the disc is coated with a heavy copper coating to form the condenser electrodes. A metallic strip is soldered to each electrode and a heavy metallic bushing is soldered to the strip. The ceramic disc and the terminal bushings are encased within a body of plastic insulating material having a thickness which is sufficient for electrical voltages in the order of 20 to 30 kilovolts.

580,061. CONTROL SYSTEM. Donald C. Bright, Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Filed Feb. 27, 1945. Published Oct. 25, 1949. Class 177—353. One sheet of drawings.
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

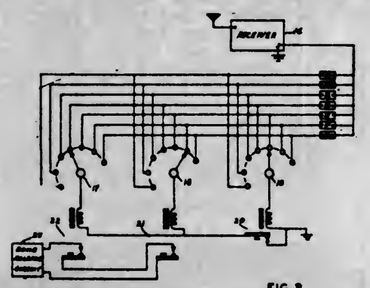
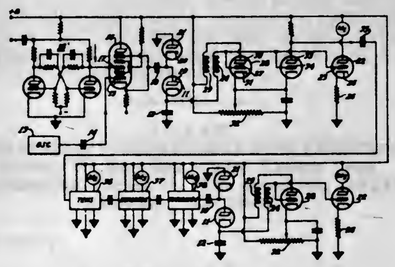


FIG. 2

The disclosure pertains to a remote control system for synchronously actuating controlled circuits using fixed-frequency modulation tones on the carrier of a radio wave. A plurality of tones are impressed simultaneously on the carrier of a radio transmitter, the modulated carrier is intercepted by the receivers at the controlled locations and the modulation tones are passed through highly selective filters each being peaked to a particular modulation tone. The controlled circuits are associated with these filters in a manner whereby only when all of the modulation tones are passed through will the circuits be actuated. Selector means are provided in conjunction with the transmitting apparatus for securing any combination of modulation tones in accordance with a prearranged code. Similarly, selector means are provided in conjunction with the filters associated with the receivers for the purpose of applying to the output circuits thereof those filters tuned to the coded combination of incoming tones. To insure against spurious signals, provision is made to disable the controlled circuits when a modulation tone is received having a frequency not transmitted by the transmitting apparatus.

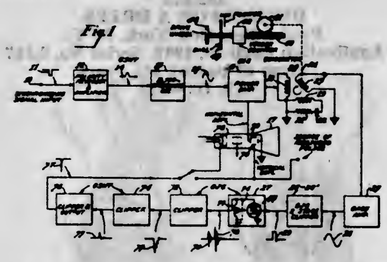
658,165. COUNTING CIRCUIT. Max H. Mesner and Hartwell F. Calcote, Princeton, N. J.; said Mesner assignor to Radio Corporation of America, a corporation of Delaware. Filed Mar. 29, 1946. Published Oct. 25, 1949. Class 235—92. One sheet of drawings.



A counting device is provided comprising a source of pulses to be counted which are applied across a capacitor 10 in series with a diode 11 and a capacitor 12. Capacitor 12 is connected to the grid 27 of a blocking oscillator tube 28. Capacitor 12 stores the portion of the pulses which it receives until the level of the charge stored reaches such a value as to trigger blocking oscillator tube 28 into oscillation. The current drawn by the grid 27 of the blocking oscillator tube 28 discharges capacitor 12 which is then in condition to begin a new counting cycle. Capacitor 10 is discharged between successive pulses through diode 21.

A vacuum tube 22 has its cathode biasing resistor selected so that the tube operates on the linear portion of its characteristic curve. The grid 23 of the tube 22 is connected across storage condenser 12 through the grid winding of the blocking oscillator transformer. Therefore, the charge on condenser 12 (i. e., the number of pulses stored therein) is continuously indicated by the meter M_1 which is in the plate circuit of tube 22. Tube 33 is a buffer tube which passes pulses caused by oscillation of the blocking oscillator to the next counter in the chain. Subsequent counters are similarly equipped with indicating meters in order that the count on the entire chain at any desired moment may be read by observing the meters M1—M4.

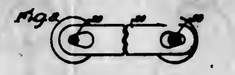
694,388. CATHODE RAY TIME INTERVAL INDICATOR. George Jacobs, West Collingswood, and Howard L. Morrison, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware. Filed Aug. 31, 1946. Published Oct. 25, 1949. Class 175—381. Two sheets of drawings.



This application describes a system to facilitate waveform studies in cathode ray oscillography by identifying selectable points on a waveform being observed. A synchronizing signal 11 is applied to a sine wave oscillator 13 to produce an accurately timed sine wave horizontal sweep voltage for a cathode ray tube 17. The same sine wave is passed through a 360 degree phase shifter in the form of a goniometer 20. The goniometer output is applied to amplifier 25 and clipper 26—26' to shock excite the circuit 27 which produces a waveform indicated at 30—31. The wave 30—31 is modified in wave shaping circuits 32 to 36 to obtain a very short duration marker pulse 37 which can be applied either to the intensity grid 38 or to the vertical deflection plates 39 of the cathode ray tube 17.

The goniometer 20 is mechanically connected to counter 42 which will indicate the elapsed time between the beginning of each horizontal cathode ray sweep and the appearance of the movable marker on the cathode ray screen. The marker is moved by rotating shaft 44 to obtain a measurement of the duration, rise-time, or similar characteristics of the waveform of voltages applied to the vertical deflection plates of the cathode ray tube.

751,020. STRAP. William H. Anderson, Elkridge, and Dean S. Shingler, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed May 28, 1947. Published Oct. 25, 1949. Class 173—324. One sheet of drawings.

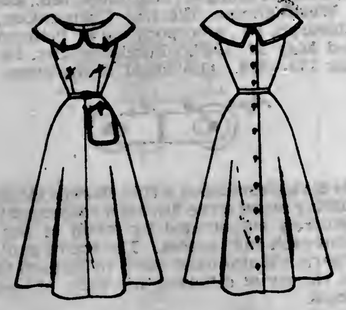


This device comprises a thin flexible electrically conducting metal strap having a convergent aperture entirely surrounded by metal of the strap adjacent each end thereof. The convergent apertures permit a standard strap to be used to connect a variety of different size pairs of electrical terminals.

DESIGNS

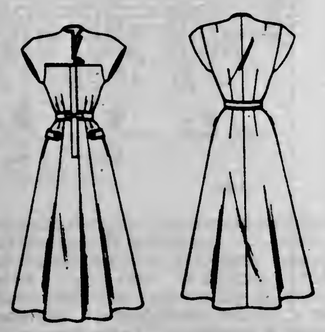
OCTOBER 25, 1949

155,670
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,115
Term of patent 3½ years
(Cl. D3—26)



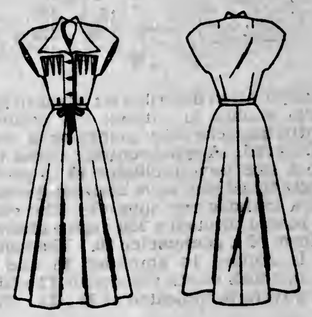
The ornamental design for a dress, substantially as shown.

155,671
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,116
Term of patent 3½ years
(Cl. D3—26)



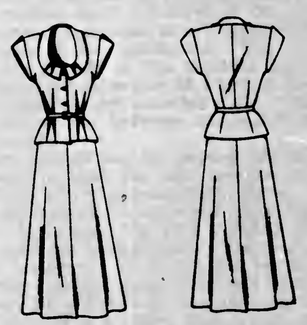
The ornamental design for a dress, substantially as shown.

155,672
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,117
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,673
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,118
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,674
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,119
Term of patent 3½ years
(Cl. D3—26)



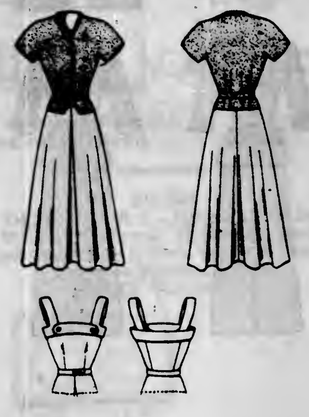
The ornamental design for a dress, substantially as shown.

155,675
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,120
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,676
DESIGN FOR A DRESS ENSEMBLE
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,122
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress ensemble, substantially as shown.

155,677
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,123
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

155,678
DESIGN FOR A SUIT
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,124
Term of patent 3½ years
(Cl. D2—4)



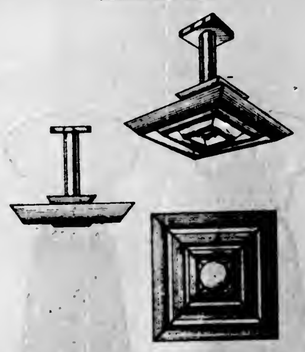
The ornamental design for a suit, substantially as shown.

155,679
DESIGN FOR A DRESS
Paul Adler, New York, N. Y.
Application April 18, 1949, Serial No. 2,125
Term of patent 3½ years
(Cl. D2—26)



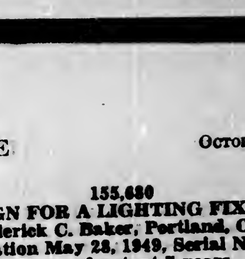
The ornamental design for a dress, substantially as shown.

155,680
DESIGN FOR A LIGHTING FIXTURE
Frederick C. Baker, Portland, Oreg.
Application May 28, 1949, Serial No. 2,935
Term of patent 7 years
(Cl. D48—23)



The ornamental design for a lighting fixture, substantially as shown and described.

155,681
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 23, 1949, Serial No 1,002
Term of patent 3½ years
(Cl. D45—19)



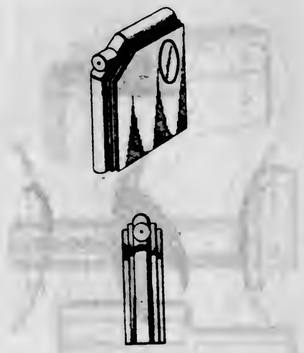
The ornamental design for a clip or similar article, as shown.

155,682
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 23, 1949, Serial No. 1,003
Term of patent 3½ years
(Cl. D45—19)



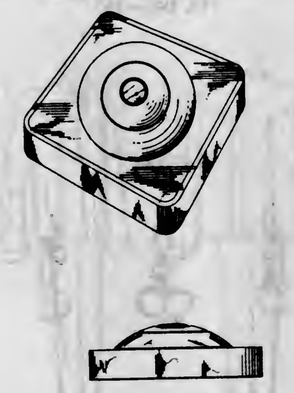
The ornamental design for a clip or similar article, as shown.

155,683
DESIGN FOR A PERFUME ATOMIZER
Albert J. Bruneau, Montreal, Quebec, Canada, assignor to Institution Catholique Des Sourds-Muets Pour La Province De Quebec, Montreal, Quebec, Canada, a corporation of Canada
Application May 17, 1947, Serial No. 139,095
In Canada May 17, 1947
Term of patent 14 years
(Cl. D83—1)



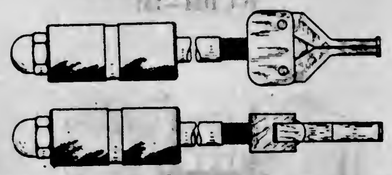
The ornamental design for a perfume atomizer, as shown and described.

155,684
DESIGN FOR A COMBINED SURFACE LEVEL AND ADVERTISING DEVICE
Clarence E. Crawford, Flint, Mich., assignor of one-half to Clayton C. D. French
Application October 27, 1947, Serial No. 142,156
Term of patent 14 years
(Cl. D52—1)



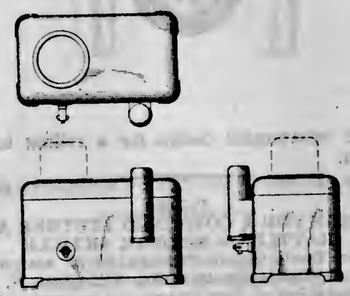
The ornamental design for a combined surface level and advertising device, substantially as shown.

155,685
DESIGN FOR A TUBE EXTRACTOR
Otis C. Currie, Jackson, Mich., assignor to K & M Products Company, Jackson, Mich.
Application July 12, 1946, Serial No. 131,542
Term of patent 14 years
(Cl. D54—13)



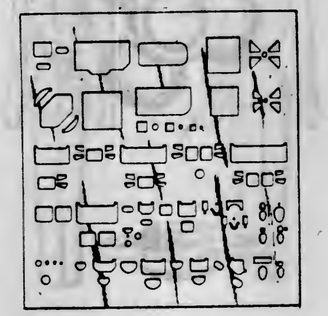
The ornamental design for a tube extractor, substantially as shown.

155,686
DESIGN FOR A LIQUID COOLER
William L. Currie, Muskegon, Mich.
Application July 8, 1947, Serial No. 140,151
Term of patent 14 years
(Cl. D67—4)



The ornamental design for a liquid cooler, as shown and described.

155,687
DESIGN FOR A TEMPLATE FOR DRAWING PLUMBING FIXTURES
John J. Curtis, Lexington, Ky.
Application October 23, 1946, Serial No. 134,178
Term of patent 3½ years
(Cl. D52—1)



The ornamental design for a template for drawing plumbing fixtures, substantially as shown.

155,688
DESIGN FOR A ROLLING TOY
Joseph Davis, Arlington, N. J., assignor to Joseph Davis Plastics Co., Arlington, N. J., a corporation of New Jersey
Application January 15, 1948, Serial No. 143,819
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a rolling toy, as shown.

155,689
DESIGN FOR A COMBINED TEETHER AND RATTLE OR SIMILAR ARTICLE
Morton Davis, South Orange, N. J., assignor to Joseph Davis Plastics Co., Arlington, N. J., a corporation of New Jersey
Application November 22, 1948, Serial No. 149,747
Term of patent 14 years
(Cl. D83—1)



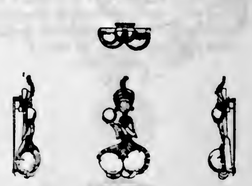
The ornamental design for a combined teether and rattle or similar article, as shown.

155,690
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1949, Serial No. 1,029
Term of patent 3½ years
(Cl. D45—19)



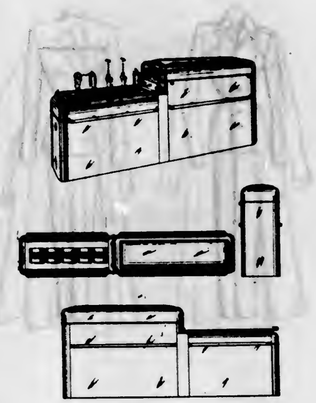
The ornamental design for a brooch or similar article, substantially as shown.

155,691
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application June 2, 1949, Serial No. 3,003
Term of patent 3½ years
(Cl. D45—19)



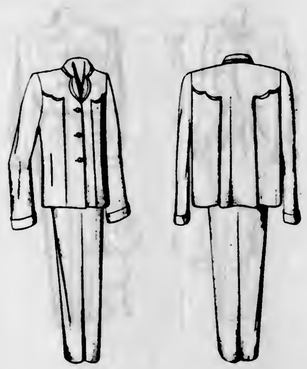
The ornamental design for a brooch or similar article, substantially as shown.

155,692
DESIGN FOR A CABINET FOR LUBRICATING EQUIPMENT
Alexander P. Fox, University City, and August D. Reisert, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application March 6, 1948, Serial No. 144,934
Term of patent 3½ years
(Cl. D52—2)



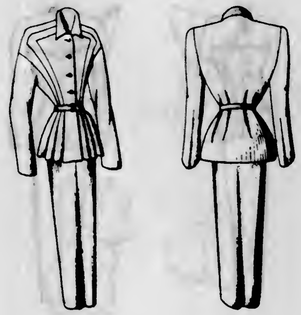
The ornamental design for a cabinet for lubricating equipment, substantially as shown and described.

155,693
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 92
Term of patent 3½ years
(Cl. D3—4)



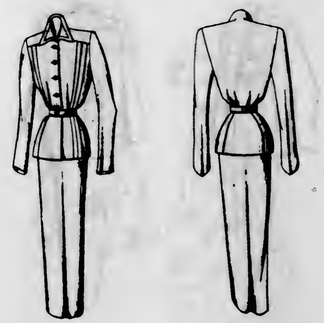
The ornamental design for a suit, as shown.

155,694
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 93
Term of patent 3½ years
(Cl. D3—4)



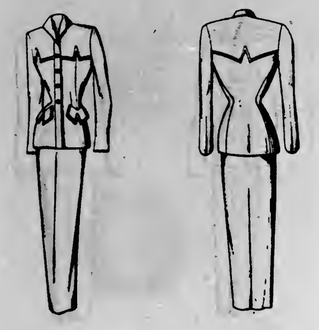
The ornamental design for a suit, as shown.

155,695
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 94
Term of patent 3½ years
(Cl. D3—4)



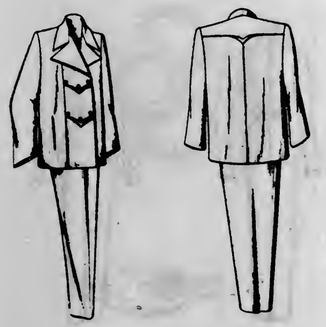
The ornamental design for a suit, as shown.

155,696
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 95
Term of patent 3½ years
(Cl. D3—4)



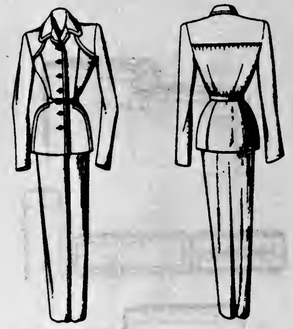
The ornamental design for a suit, as shown.

155,697
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 96
Term of patent 3½ years
(Cl. D3—4)



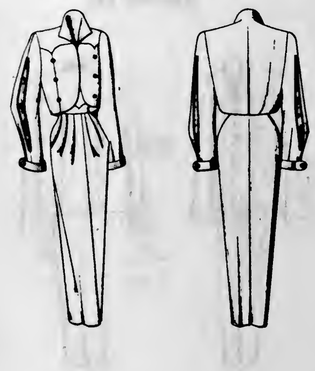
The ornamental design for a suit, as shown.

155,698
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 97
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, as shown.

155,699
DESIGN FOR A SUIT
Joseph Frumkes, Harrison, N. Y.
Application January 6, 1949, Serial No. 98
Term of patent 3½ years
(Cl. D3—4)



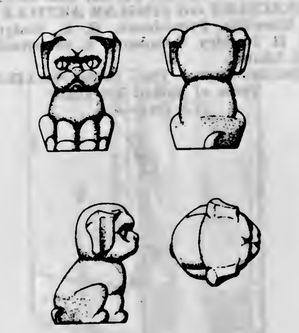
The ornamental design for a suit, as shown.

155,700
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application January 8, 1949, Serial No. 99
Term of patent 3½ years
(Cl. D3—4)



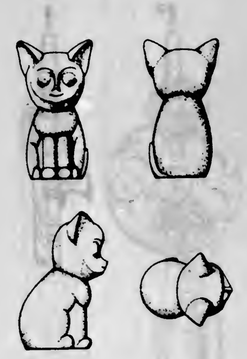
The ornamental design for a coat, as shown.

155,701
DESIGN FOR A TOY ANIMAL FIGURE
Peter Ganine, Los Angeles, Calif.
Application September 4, 1948, Serial No. 148,471
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a toy animal figure, as shown.

155,702
DESIGN FOR A TOY ANIMAL FIGURE
Peter Ganine, Los Angeles, Calif.
Application September 4, 1948, Serial No. 148,472
Term of patent 14 years
(Cl. D34—2)



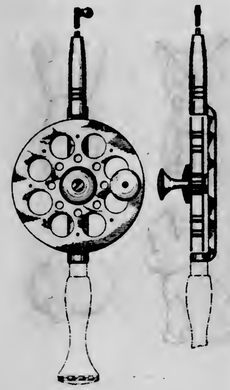
The ornamental design for a toy animal figure, as shown.

155,703
DESIGN FOR A DRESS
David E. Gottlieb, New York, N. Y.
Application April 23, 1949, Serial No. 2,225
Term of patent 3½ years
(Cl. D3—26)



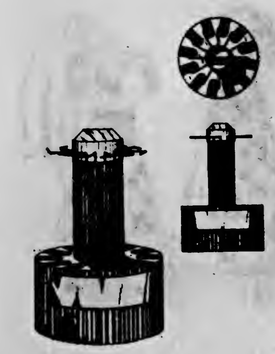
The ornamental design for a dress, substantially as shown.

155,704
DESIGN FOR A FISHING ROD AND REEL
George E. Hauser and George Hauser, Garfield Heights, Ohio
Application October 14, 1946, Serial No. 133,936
Term of patent 14 years
(Cl. D31—4)



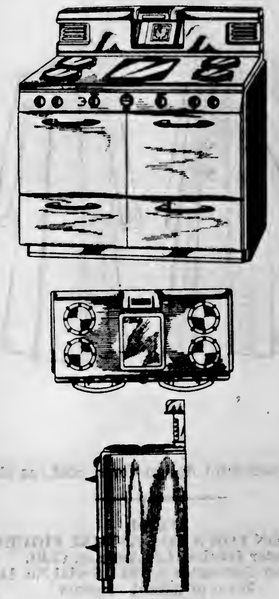
The ornamental design for a fishing rod and reel, substantially as shown and described.

155,705
DESIGN FOR A DISPLAY RACK FOR MOLDING AND TRIMMING STRIPS
Frank Hobbs, Seattle, Wash., assignor to The Colotrym Company, Seattle, Wash.
Application March 23, 1948, Serial No. 145,294
Term of patent 7 years
(Cl. D80—9)



The ornamental design for a display rack for molding and trimming strips, as shown.

155,706
DESIGN FOR A STOVE
Henry Honer, Los Angeles, Calif., assignor to Western Stove Co., Inc., Culver City, Calif., a corporation of California
Application July 21, 1947, Serial No. 140,424
Term of patent 14 years
(Cl. D81—4)



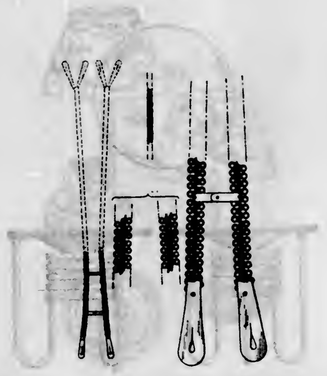
The ornamental design for a stove, substantially as shown and described.

155,707
DESIGN FOR A LINK FOR AN EXPANSIBLE BRACELET OR SIMILAR ARTICLE
Morris Horovitz, Providence, R. I., assignor to W & H Jewelry Company, a corporation of Rhode Island
Application June 5, 1947, Serial No. 139,463
Term of patent 3½ years
(Cl. D45—4)



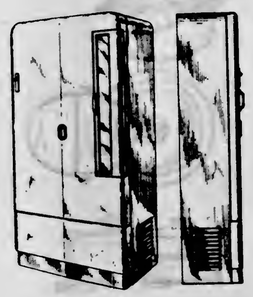
The ornamental design for a link for an expansible bracelet or similar article, substantially as shown.

155,708
DESIGN FOR A BRACE
James Innes, Pelham, Lipman Cohen, New Rochelle, and Lee Spatz, Hempstead, N. Y., assignors to British-Makes, Inc., New York, N. Y., a corporation of New York
Application August 30, 1945, Serial No. 121,749
Term of patent 3½ years
(Cl. D17—15)



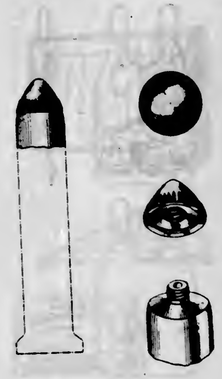
The ornamental design for a brace, substantially as shown and described.

155,709
DESIGN FOR A REFRIGERATING CASE FOR BOTTLED BEVERAGES
Elmer C. Johnson and Jerome E. Hagstrom, Kansas City, Mo., assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application October 25, 1948, Serial No. 149,278
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a refrigerating case for bottled beverages, as shown and described.

155,710
DESIGN FOR A CAPPED COLLAPSIBLE TUBE
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application September 8, 1947, Serial No. 141,267
Term of patent 14 years
(Cl. D58—17)



The ornamental design for a capped collapsible tube, substantially as shown and described.

155,711
DESIGN FOR A CHILD'S HANDKERCHIEF
Leah P. Kampner, Houston, Tex.
Application June 17, 1948, Serial No. 147,023
Term of patent 7 years
(Cl. D3—12)



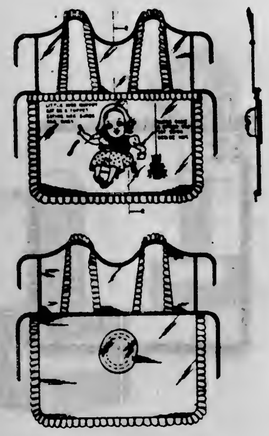
The ornamental design for a child's handkerchief, as shown.

155,712
DESIGN FOR A CHILD'S BIB
Justin I. Kingson, New York, N. Y., assignor to George E. Mousley, Inc., New York, N. Y., a corporation of New York
Application May 6, 1948, Serial No. 146,201
Term of patent 14 years
(Cl. D3—26)



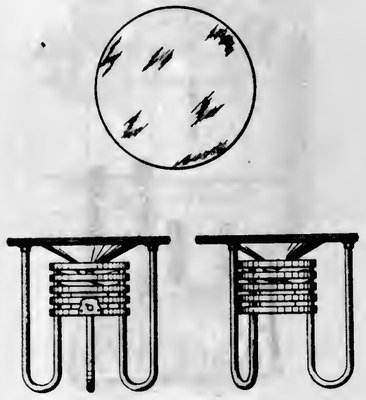
The ornamental design for a child's bib, as shown.

155,713
DESIGN FOR A CHILD'S APRON
Justin I. Kingson, New York, N. Y., assignor to George E. Mousley, Inc., New York, N. Y., a corporation of New York
Application August 31, 1948, Serial No. 148,390
Term of patent 14 years
(Cl. D3—26)



The ornamental design for a child's apron, as shown.

155,714
DESIGN FOR A COMBINED STAND AND ELECTRIC FAN
Jacob W. Kisling, St. Louis County, Mo.
Application August 25, 1948, Serial No. 148,290
Term of patent 3½ years
(Cl. D26—7)



The ornamental design for a combined stand and electric fan, substantially as shown.

155,715
DESIGN FOR A SHAVING CUP
Stanley Klosinski, Detroit, Mich.
Application June 16, 1948, Serial No. 147,007
Term of patent 7 years
(Cl. D86—10)



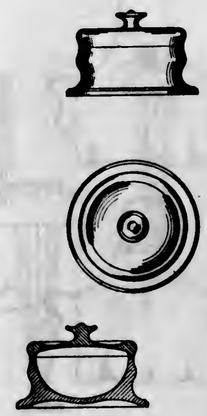
The ornamental design for a shaving cup, as shown.

155,716
DESIGN FOR A LAMP
Louis Kmiec, Trenton, N. J.
Application August 20, 1948, Serial No. 148,212
Term of patent 3½ years
(Cl. D48—20)



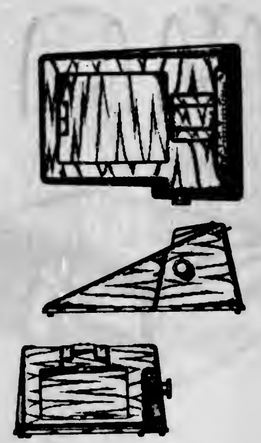
The ornamental design for a lamp, as shown.

155,717
DESIGN FOR A TOILET POWDER CONTAINER
Elroy Kujawski, Jr., Adell, Wis.
Application April 2, 1948, Serial No. 145,499
Term of patent 3½ years
(Cl. D86—10)



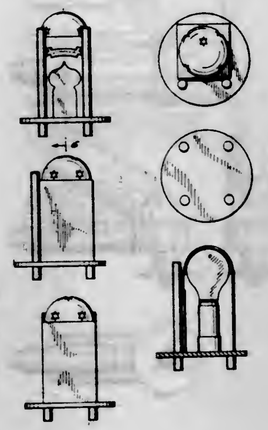
The ornamental design for a toilet powder container, as shown.

155,718
DESIGN FOR A READING RATE CONTROLLER OR SIMILAR DEVICE
George K. Lewis, Chicago, Ill., assignor to The Three Dimension Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1948, Serial No. 149,690
Term of patent 7 years
(Cl. D52—1)



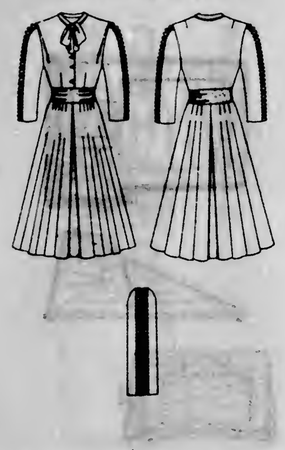
The ornamental design for a reading rate controller or similar device, substantially as shown.

155,719
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Leon Lewkowicz and Ernest F. Bennett, New York, N. Y.
Application October 22, 1948, Serial No. 149,253
Term of patent 14 years
(Cl. D48—20)



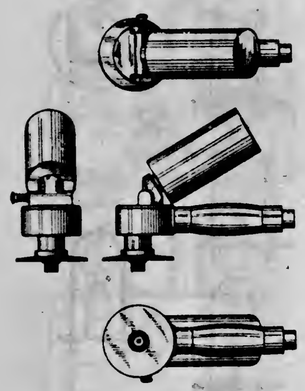
The ornamental design for a lamp or similar article, as shown.

155,720
DESIGN FOR A DRESS
Mildred Macpherson, New York, N. Y.
Application July 9, 1949, Serial No. 3,810
Term of patent 2½ years
(Cl. D2—26)



The ornamental design for a dress, substantially as shown and described.

155,721
DESIGN FOR A COMBINATION WAXING, SPREADING, AND POLISHING DEVICE
John Macree, Forest Hills, and Walter Paul Gerhardt, Maspeth, N. Y.
Application April 12, 1947, Serial No. 138,234
Term of patent 14 years
(Cl. D9—2)



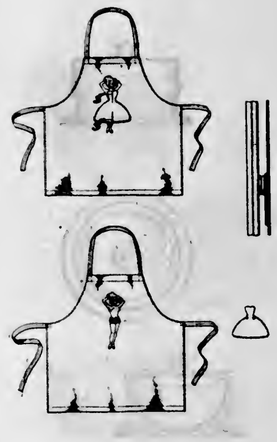
The ornamental design for a combination waxing, spreading, and polishing device, as shown.

155,722
DESIGN FOR A PENDANT ORNAMENTAL FRAME FOR COSTUME JEWELRY
Anthony J. Mascia, Flushing, N. Y.
Application March 5, 1949, Serial No. 1,252
Term of patent 3½ years
(Cl. D45—17)



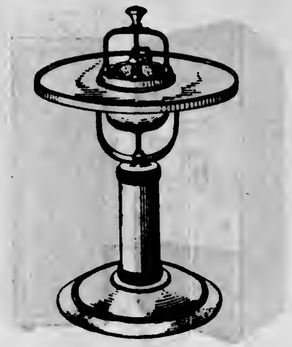
The ornamental design for a pendant ornamental frame for costume jewelry, as shown.

155,723
DESIGN FOR A BARBECUE APRON
Samuel B. Mattison, Pasadena, Calif.
Application December 31, 1948, Serial No. 150,499
Term of patent 3½ years
(Cl. D3—26)



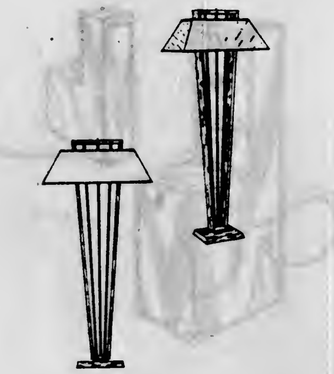
The ornamental design for a barbecue apron, as shown.

155,724
DESIGN FOR A SMOKING STAND
Joseph S. McInnis, Chicago, Ill., assignor to Metallic Arts Corporation, Chicago, Ill., a corporation of Illinois
Application March 25, 1949, Serial No. 1,607
Term of patent 14 years
(Cl. D85—2)



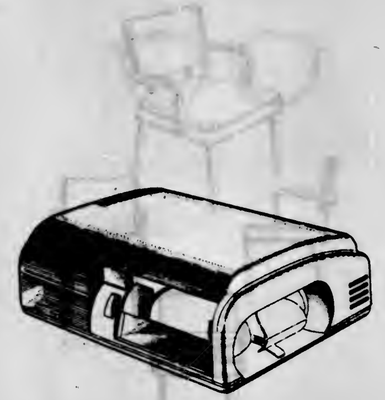
The ornamental design for a smoking stand, substantially as shown.

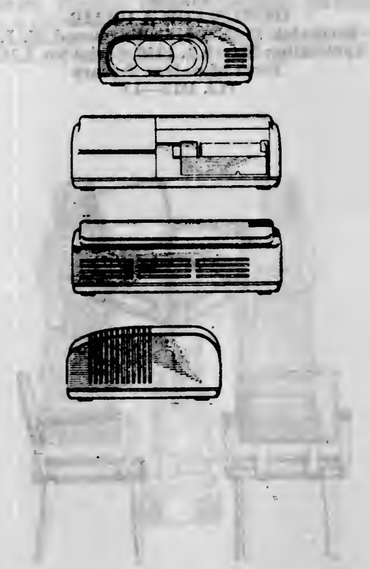
155,725
DESIGN FOR A LAMP
Raymond S. Nicyper, New York, N. Y., assignor to Decoray Lamp Corp., New York, N. Y.
Application June 18, 1949, Serial No. 3,391
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp, as shown.

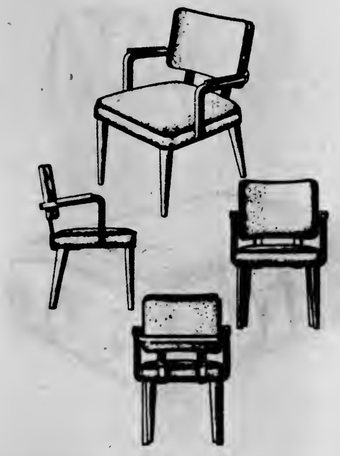
155,726
DESIGN FOR A HOUSING FOR A DICTATING MACHINE
William J. O'Neil, New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Application February 11, 1949, Serial No. 800
Term of patent 14 years
(Cl. D64—11)





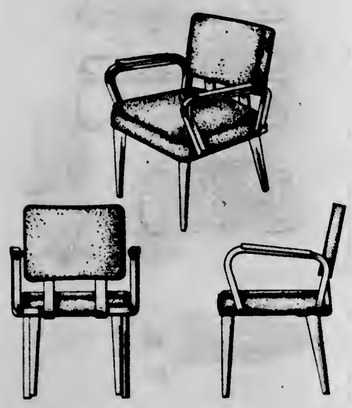
The ornamental design for a housing for a dictating machine, substantially as shown and described.

155,727
DESIGN FOR AN ARMCHAIR
Frederick T. Paden, Collingswood, N. J.
Application January 13, 1948, Serial No. 143,699
Term of patent 3½ years
(Cl. D15—1)



The ornamental design for an arm chair, as shown.

155,728
DESIGN FOR A CHAIR
Frederick T. Paden, Collingswood, N. J.
Application March 1, 1949, Serial No. 1,158
Term of patent 7 years
(Cl. D15—1)



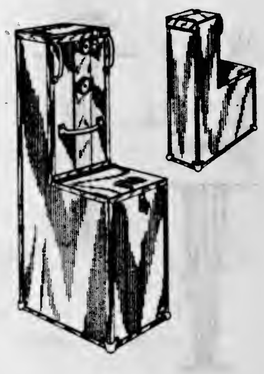
The ornamental design for a chair, as shown.

155,729
DESIGN FOR A BEVERAGE VENDING MACHINE
Regis E. Parks, Brooklyn, N. Y., assignor to Spacarb, Inc., New York, N. Y., a corporation of Delaware
Application December 31, 1947, Serial No. 143,487
Term of patent 14 years
(Cl. D52—3)



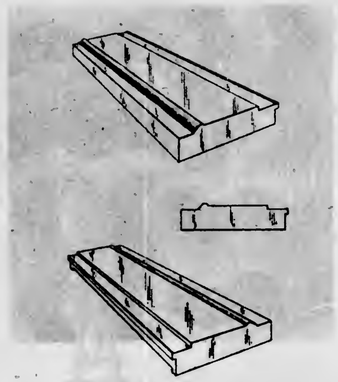
The ornamental design for a beverage vending machine, as shown and described.

155,730
DESIGN FOR A COMBINED CABINET AND STAND FOR CAMERAS
George R. Penn, New York, N. Y.
Application February 4, 1947, Serial No. 136,662
Term of patent 14 years
(Cl. D61—1)



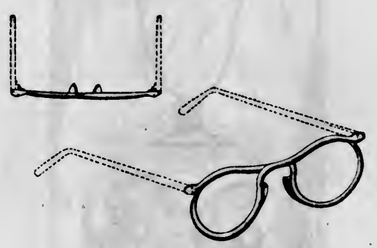
The ornamental design for a combined cabinet and stand for cameras, as shown.

155,731
DESIGN FOR A SERVING BAR TOP
Alan J. Ragunt, Rockford, Ill.
Application October 28, 1946, Serial No. 134,335
Term of patent 3½ years
(Cl. D80—2)



The ornamental design for a serving bar top, substantially as shown.

155,732
DESIGN FOR A SPECTACLE FRAME
Alexander M. Rosenson, Washington, D. C.
Application September 23, 1948, Serial No. 148,717
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame, as shown and described.

155,733
DESIGN FOR A SPECTACLE FRAME
Alexander M. Rosenson, Washington, D. C.
Application September 23, 1948, Serial No. 148,718
Term of patent 14 years
(Cl. D57—1)



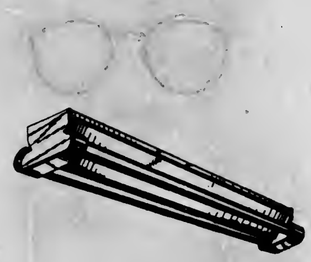
The ornamental design for a spectacle frame, as shown and described.

155,734
DESIGN FOR A LAMP BASE
Joseph Rosner, Kirkwood, Mo., assignor to Pidgeon Vitrified China Company, Barnhart, Mo., a corporation of Missouri
Application August 6, 1948, Serial No. 147,977
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown.

155,735
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Donald F. Russell, Newburyport, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 12, 1947, Serial No. 141,358
Term of patent 14 years
(Cl. D48—23)



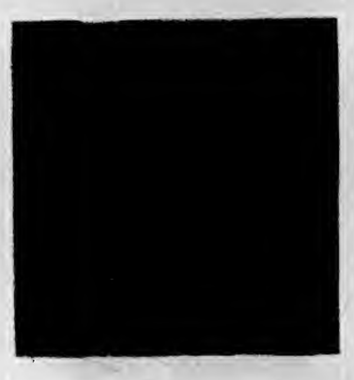
The ornamental design for a fluorescent lighting fixture, as shown.

155,736
DESIGN FOR A FISHHOOK
John K. Russell, North Hollywood, Calif.
Application May 20, 1948, Serial No. 146,496
Term of patent 14 years
(Cl. D31—4)



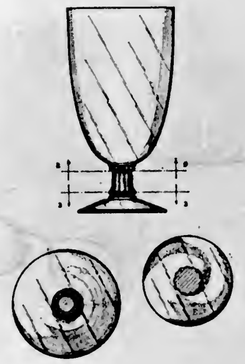
The ornamental design for a fish hook, as shown.

155,737
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,846
Term of patent 14 years
(Cl. D12—2)



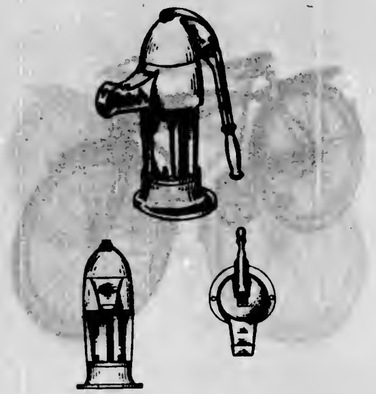
The ornamental design for a tile floor and wall covering, as shown and described.

155,738
DESIGN FOR A TUMBLER
George Sakier, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application May 11, 1948, Serial No. 146,307
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a tumbler, as shown and described.

155,739
DESIGN FOR A PUMP
John D. Shafer and George R. Shafer, Dayton, Ohio, assignors to U. S. Lite-Ray Company, Dayton, Ohio, a corporation of Ohio
Application October 21, 1947, Serial No. 142,070
Term of patent 7 years
(Cl. D65—1)



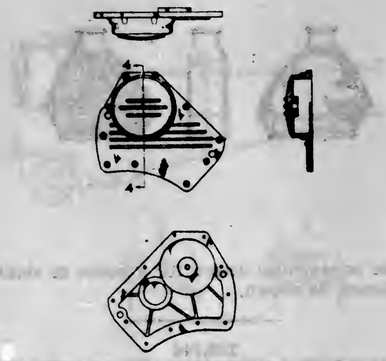
The ornamental design for a pump, substantially as shown and described.

155,740
DESIGN FOR A PICTURE DIALING DEVICE FOR A PHONOGRAPH RECORD
Melvin Shaw, Beverly Hills, and Robert Y. Allen, Pacific Palisades, Calif.
Application November 26, 1947, Serial No. 142,824
Term of patent 14 years
(Cl. D25—1)



The ornamental design for a picture dialing device for a phonograph record, substantially as shown and described.

155,741
DESIGN FOR A GENERATOR HOUSING SIDE PLATE FOR GASOLINE ENGINES
Floyd A. Sherman, Cleveland, Ohio
Application May 19, 1948, Serial No. 146,446
Term of patent 3½ years
(Cl. D26—5)



The ornamental design for a generator housing side plate for gasoline engines, substantially as shown.

155,742
DESIGN FOR A CHILD'S PURSE
Estelle B. Shevis, Belmont, Maine
Application October 25, 1948, Serial No. 149,285
Term of patent 3½ years
(Cl. D87—3)



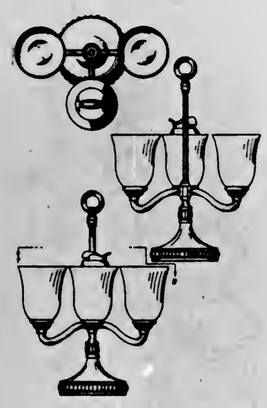
The ornamental design for a child's purse, as shown and described.

155,742
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Joseph W. Stevenson, Nashua, N. H.
Application December 3, 1948, Serial No. 149,972
Term of patent 14 years
(Cl. D68—6)



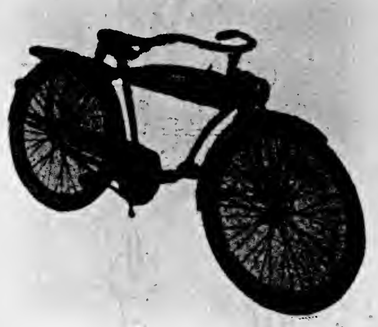
The ornamental design for a bottle or similar container, as shown.

155,744
DESIGN FOR A COMBINED CIGARETTE AND LIGHTER HOLDER
Ernest Sohn, New York, N. Y., and Edward San Giovanni, Ridgefield, Conn.; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y.
Application July 15, 1948, Serial No. 147,634
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for a combined cigarette and lighter holder, as shown.

155,745
DESIGN FOR A BICYCLE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Cleveland Welding Company, a corporation of Ohio
Application August 25, 1948, Serial No. 148,286
Term of patent 3½ years
(Cl. D90—8)



The ornamental design for a bicycle, as shown and described.

155,746
DESIGN FOR A BICYCLE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Cleveland Welding Company, a corporation of Ohio
Application August 25, 1948, Serial No. 148,287
Term of patent 3½ years
(Cl. D90—8)



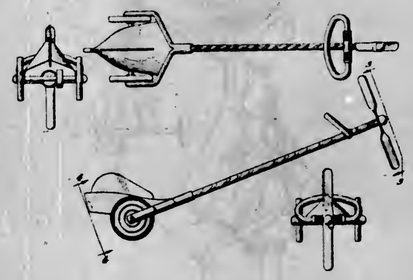
The ornamental design for a bicycle, as shown and described.

155,747
DESIGN FOR A BICYCLE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Cleveland Welding Company, a corporation of Ohio
Application August 25, 1948, Serial No. 148,288
Term of patent 3½ years
(Cl. D90—8)



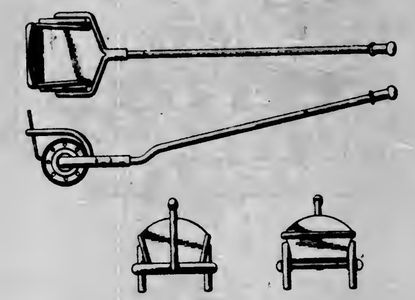
The ornamental design for a bicycle, as shown and described.

155,748
DESIGN FOR AN AIRPLANE HOBBYHORSE
Elmer Szantay, Chicago, Ill., assignor to Sandee Manufacturing Company
Application March 6, 1948, Serial No. 144,954
Term of patent 14 years
(Cl. D34—15)



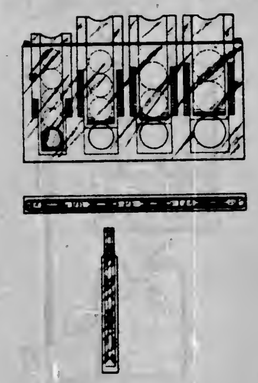
The ornamental design for an airplane hobbyhorse, as shown.

155,749
DESIGN FOR A DOLL CART
Elmer Szantay, Chicago, Ill., assignor to Sandee Manufacturing Company
Application March 6, 1948, Serial No. 144,956
Term of patent 14 years
(Cl. D34—15)



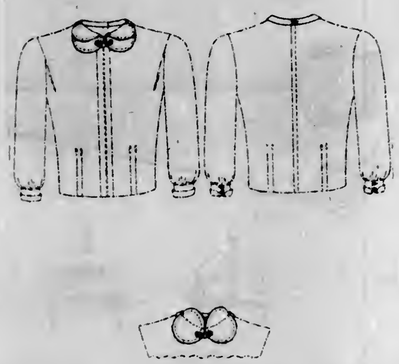
The ornamental design for a doll cart, as shown.

155,750
DESIGN FOR A COIN CONTAINER
Joseph Taylor, Youngstown, Ohio
Application February 13, 1948, Serial No. 144,458
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a coin container, as shown.

155,751
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Victor Tomshinsky, New York, N. Y.
Application June 28, 1949, Serial No. 3,599
Term of patent 3½ years
(Cl. D3—25)



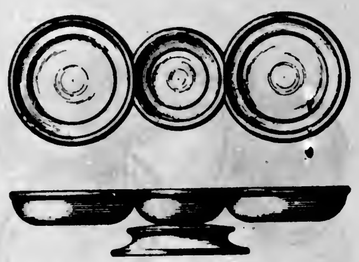
The ornamental design for a blouse or similar article, substantially as shown and described.

155,752
DESIGN FOR A NURSERY BIB
Jean E. Vivaudou, New York, N. Y.
Application May 12, 1948, Serial No. 146,331
Term of patent 3½ years
(Cl. D3—26)



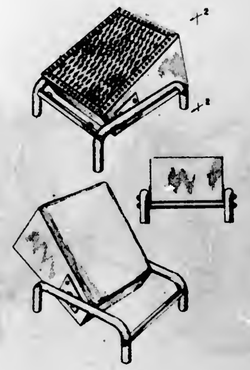
The ornamental design for a nursery bib, as shown.

155,753
DESIGN FOR A FOOD SERVER
Ruth S. Warner, Chicago, Ill.
Application September 10, 1947, Serial No. 141,291
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a food server, substantially as shown.

155,754
DESIGN FOR A FOOT AND LEG VIBRATOR UNIT
John Werner, Chicago, and Albert H. Zeigler, Kenilworth, Ill., assignors to Aciform Corporation, Chicago, Ill., a corporation of Illinois
Application September 24, 1948, Serial No. 148,744
Term of patent 7 years
(Cl. D83—1)



The ornamental design for a foot and leg vibrator unit, as shown.

155,755
DESIGN FOR A DOLL
Charlotte Crockett Young, Concord, N. H.
Application November 16, 1948, Serial No. 149,661
Term of patent 7 years
(Cl. D34—4)



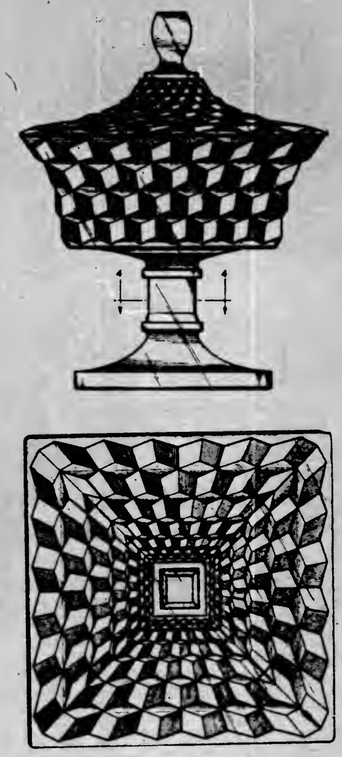
The ornamental design for a doll, as shown.

155,756
DESIGN FOR A DOLL
Charlotte Crockett Young, Concord, N. H.
Application November 16, 1948, Serial No. 149,662
Term of patent 7 years
(Cl. D34—4)



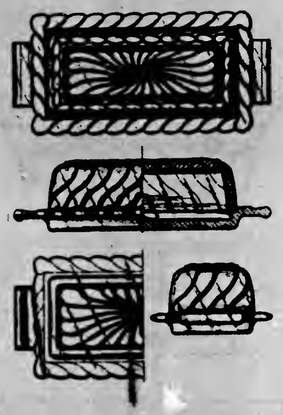
The ornamental design for a doll, as shown.

155,757
DESIGN FOR A COMBINED BOWL AND COVER
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,031
Term of patent 14 years
(Cl. D36—2)



The ornamental design for a combined bowl and cover, as shown.

155,758
DESIGN FOR A BUTTER DISH
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,033
Term of patent 14 years
(Cl. D36—2)



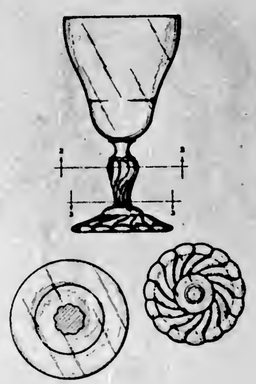
The ornamental design for a butter dish, as shown.

155,759
DESIGN FOR A CEREAL PITCHER
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,035
Term of patent 14 years
(Cl. D36—2)



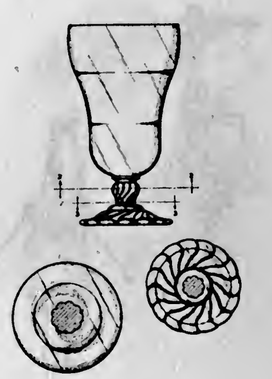
The ornamental design for a cereal pitcher, as shown.

155,760
DESIGN FOR A GOBLET
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,039
Term of patent 14 years
(Cl. D36—8)



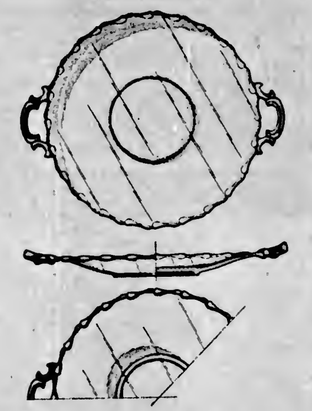
The ornamental design for a goblet, as shown.

155,761
DESIGN FOR A TUMBLER
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,040
Term of patent 14 years
(Cl. D36—8)



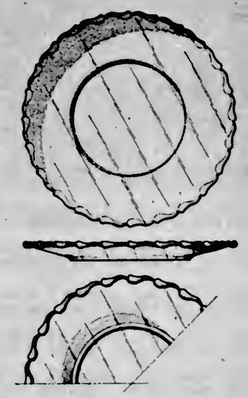
The ornamental design for a tumbler, as shown.

155,762
DESIGN FOR A CAKE PLATE
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application May 11, 1948, Serial No. 146,301
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a cake plate, as shown.

155,763
DESIGN FOR A PLATE
Marvin G. Yutzey, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application May 11, 1948, Serial No. 146,302
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a plate, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S Gubben's Konservesfabriker, Hundested, Denmark. Canned fish and canned crayfish. Serial No. 495,378, Oct. 25. Class 46.

Abbott Laboratories, North Chicago, Ill. Medicated ointment. Serial No. 548,219, Oct. 25. Class 6.

Abbott Laboratories, North Chicago, Ill. Emulsifying agent. Serial No. 567,479, Oct. 25. Class 6.

Aetna Leather Novelty Co., Union City, N. J. Handbags. Serial No. 557,235, Oct. 25. Class 3.

Aflectron Co., Caldwell, N. J. Telephonic intercommunication apparatus. Serial No. 557,815, Oct. 25. Class 21.

Alco Oil & Chemical Corp., Philadelphia, Pa. Wetting and penetrating agents. Serial No. 554,067, Oct. 25. Class 6.

Alco Oil & Chemical Corp., Philadelphia, Pa. Coating, impregnating, and binding agents. Serial No. 554,068, Oct. 25. Class 6.

Altman, B., & Co., New York, N. Y. China and earthenware. Serial No. 570,169, Oct. 25. Class 30.

Altman, B., & Co., New York, N. Y. Watches. Serial No. 574,563, Oct. 25. Class 27.

American Chemical Paint Company, Ambler, Pa. Chemical preparations. Serial No. 508,695, Oct. 25. Class 6.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 565,156, Oct. 25. Class 46.

American Continental Corporation, Paterson, N. J. Yarns. Serial No. 564,073, Oct. 25. Class 43.

American Lava Corporation, Chattanooga, Tenn. Insulators. Serial No. 553,662, Oct. 25. Class 21.

American Reenforced Paper Company, Attleboro, Mass. Reenforced paper. Serial No. 553,069, Oct. 25. Class 12.

Amstel, Felix, doing business as Amstel Trading Co., New York, N. Y. Watches. Serial No. 571,699, Oct. 25. Class 27.

Amstel Trading Co.: *See*—
Amstel, Felix.

Anthony Company, The, Long Island, N. Y. Check-valves, time-valves, and liquid-strainers. Serial No. 555,038, Oct. 25. Class 13.

Arkansas Printing and Lithographing Company, Little Rock, Ark. Manifold booklets and blank manifold forms interleaved with carbon. Serial No. 564,092, Oct. 25. Class 37.

Armour and Company, Chicago, Ill. Powder cleansers. Serial No. 528,680, Oct. 25. Class 4.

Armour and Company, Chicago, Ill. Antiseptic liquid soap. Serial No. 552,931, Oct. 25. Class 4.

Atkins & Durbrow, Inc., New York, N. Y. Peat moss. Serial No. 563,100, Oct. 25. Class 1.

B. R. Company: *See*—
Bronson Reel Company.

Babson Bros. Co., Chicago, Ill. Milking machines and parts thereof. Serial No. 540,764, Oct. 25. Class 23.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Portable gas analyzers or indicators of the volumetric or absorption-type. Serial No. 554,078, Oct. 25. Class 26.

Baker Furniture, Inc., Grand Rapids, Mich. Wooden tables. Serial No. 533,815, Oct. 25. Class 32.

Bartsch, Ernst A., doing business as Pinabord Manufacturing Company, Chicago, Ill. Dolly stretchers. Serial No. 543,409, Oct. 25. Class 50.

Bates, W. A., Turning Co.: *See*—
Johnstone, Myron H.

Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Cream powder base. Serial No. 550,297, Oct. 25. Class 6.

Beckerman, M., & Sons, Inc., New York, N. Y. Shoes. Serial No. 560,530, Oct. 25. Class 39.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial No. 544,694, Oct. 25. Class 23.

Blenko Glass Company, Inc., Milton, W. Va. Drinking glasses, glass plates, vases, etc. Serial No. 545,574, Oct. 25. Class 33.

Bloch, Robert, and Simone Van Moppes Bloch, New York, N. Y. Chinaware. Serial No. 560,377, Oct. 25. Class 30.

Bloch, Robert, and Simone Van Moppes Bloch, New York, N. Y. Figurines made of china. Serial No. 560,378, Oct. 25. Class 50.

Blum, Solomon, Forest Hills, N. Y. Fabrics in the piece. Serial No. 531,526, Oct. 25. Class 42.

Boland Mfg. Co., Winona, Minn. Bowl covers, cylindrical open bottom covers, etc. Serial No. 541,804, Oct. 25. Class 50.

Borg-Warner Corporation, Chicago, Ill. Refrigerator equipment, refrigerator parts and accessories therefor. Serial No. 561,442, Oct. 25. Class 31.

Borg-Warner Corporation, Chicago, Ill. Refrigerator equipment, refrigerator parts and accessories therefor. Serial No. 562,315, Oct. 25. Class 31.

Brandwein, A., & Company, Chicago, Ill. Mattresses. Serial No. 563,303, Oct. 25. Class 32.

Bronson Reel Company, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. Serial No. 538,870, Oct. 25. Class 22.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco, and snuff. Serial No. 558,456, Oct. 25. Class 17.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cues. Serial No. 565,610, Oct. 25. Class 22.

Buchheit, Bernard H., Greensburg, Pa. Stage money. Serial No. 564,922, Oct. 25. Class 38.

Buffalo Hobby Haven, Buffalo, N. Y. Kits. Serial No. 542,530, Oct. 25. Class 22.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial Nos. 573,615–16, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,618, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,623, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,627, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial No. 573,630, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial Nos. 573,632–4, Oct. 25. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Wristbands and bracelets. Serial Nos. 573,637–41, Oct. 25 Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 574,406, Oct. 25. Class 27.

Burlington County Shoe Corporation, Mount Holly, N. J. Infants' shoes. Serial No. 560,752, Oct. 25. Class 39.

Busalacchi Banana Co., Milwaukee, Wis. Bananas. Serial No. 558,546, Oct. 25. Class 46.

Cabbage Patch Circle, Louisville, Ky. Dolls. Serial No. 564,929, Oct. 25. Class 22.

Cahn, Bernard, Co., Inc., New York, N. Y. Women's purses, wallets, combination wallets and purses, etc. Serial No. 575,696, Oct. 25. Class 3.

Campana Sales Company, Batavia, Ill. Toilet soap. Serial No. 561,291, Oct. 25. Class 4.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Steel ingots, bars, plates, etc. Serial No. 566,211, Oct. 25. Class 14.

Central Soya Company, Inc., Fort Wayne, Ind. Blend of condensed fish solubles, fish meal, and riboflavin supplement. Serial No. 521,796, Oct. 25. Class 46.

Chapman Chemical Company, Chicago, Ill. Chemical preparation. Serial No. 515,936, Oct. 25. Class 6.

Chicago Spring Products Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. Serial No. 562,449, Oct. 25. Class 32.

Church & Dwight Co. Inc., New York, N. Y. Bicarbonate of soda and baking powder. Serial No. 564,934, Oct. 25. Class 46.

Clover Green Dairies, Inc., Woodbridge, N. J. Ice cream. Serial No. 564,099, Oct. 25. Class 46.

Congoleum-Nairn, Inc., Kearny, N. J. Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial, felt. Serial No. 548,789, Oct. 25. Class 50.

Consolidated Royal Chemical Corporation, Chicago, Ill. Shampoo. Serial No. 545,085, Oct. 25. Class 6.

Courtier Company Limited, Croydon, England. Tobacco pipes, cigar and cigarette holders, tobacco pouches, etc. Serial No. 558,011, Oct. 25. Class 8.

Crown Zellerbach Corporation, doing business as National Paper Products Sales Company, San Francisco, Calif. Paper towels. Serial No. 527,206, Oct. 25. Class 37.

Crown Zellerbach Corporation, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper facial tissues, paper napkins, paper towels, etc. Serial No. 542,008, Oct. 25. Class 37.

Crown Zellerbach Corporation, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Toilet tissue and facial tissue. Serial No. 542,009, Oct. 25. Class 37.

Crystal, Edwina, doing business under the name of Princess Products, Newark, N. J. Cosmetics. Serial No. 569,508, Oct. 25. Class 6.

Cutter Laboratories, Berkeley, Calif. Crystalline penicillin and vasoconstrictor. Serial No. 552,753, Oct. 25. Class 6.

Dabrowski, Fred, doing business as The Greylock Sand & Gravel Co., Adams, Mass. Various raw materials. Serial No. 522,280, Oct. 25. Class 1.

Dabs Creations, Inc., Chicago, Ill. Leather and imitation leather cases. Serial No. 555,251, Oct. 25. Class 3.
Dalyte Electrical Co. Limited, The, London, England. Special electrical equipment. Serial No. 492,313, Oct. 25. Class 21.
Delta Heating Corporation, New York, N. Y. Oil burners and parts therefor. Serial No. 510,940, Oct. 25. Class 34.
Dentists' Supply Company of New York, The, New York, N. Y. Artificial teeth. Serial No. 560,869, Oct. 25. Class 44.
Dexter Chemical Corporation, New York, N. Y. Water soluble oils, softeners, and dye leveling agents. Serial No. 518,348, Oct. 25. Class 6.
Diamond Alkali Company, Cleveland, Ohio. Precipitated calcium carbonate. Serial No. 561,899, Oct. 25. Class 6.
Dixon & Company, Salt Lake City, Utah. Paper towels; paper napkins; wax paper; and toilet tissue. Serial No. 564,771, Oct. 25. Class 37.
Doan Manufacturing Corp., East Cleveland, Ohio. Automobile muffler supports; and exhaust deflectors. Serial No. 549,521, Oct. 25. Class 23.
Douglas of California, Inc., New York, N. Y. Ladies' and misses' hats, scarfs, hoods, and muffs. Serial No. 542,451, Oct. 25. Class 39.
Dura Products, Inc., New York, N. Y. Luggage items. Serial No. 565,324, Oct. 25. Class 3.
Durkee-Atwood Company, Minneapolis, Minn. Sponge rubber strip adhesively coated. Serial No. 541,819, Oct. 25. Class 50.
Dusni-Wallace and Company, New York, N. Y. Plain transparent cellophane, moisture proof cellophane, and wrinkled moisture proof cellophane. Serial No. 540,800, Oct. 25. Class 37.
E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns. Serial No. 541,111, Oct. 25. Class 21.
Eastern States Farmers' Exchange, West Springfield, Mass. Belting. Serial No. 569,367, Oct. 25. Class 35.
Eckhart, B. A., Milling Co., Chicago, Ill. Wheat flour. Serial No. 546,979, Oct. 25. Class 46.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware and hollow ware. Serial No. 573,122, Oct. 25. Class 28.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware. Serial Nos. 573,714–15, Oct. 25. Class 28.
Ellmore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware. Serial No. 574,092, Oct. 25. Class 28.
Faries Manufacturing Company, Decatur, assignor to Faries Manufacturing Company, Chicago, Ill. Electric lamps, carbon stereopticon bulbs, etc. Serial No. 505,744, Oct. 25. Class 21.
Fearing, David, Company, South St. Paul, Minn. Livestock brand tags. Serial No. 532,284, Oct. 25. Class 50.
Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Electronic test equipment. Serial No. 565,252, Oct. 25. Class 26.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. Serial No. 540,804, Oct. 25. Class 46.
Finkelstein Brothers, Inc., New York, N. Y. Women's, misses', and junior misses' suits. Serial No. 558,122, Oct. 25. Class 39.
Firestone Tire & Rubber Company, The, Akron, Ohio. Clothing. Serial No. 486,194, Oct. 25. Class 39.
Formfit Company, The, Chicago, Ill. Bras, breeches, and combinations. Serial No. 534,710, Oct. 25. Class 39.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 573,234–9, Oct. 25. Class 42.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 573,241–2, Oct. 25. Class 42.
Frank, Charles, doing business as Woodbridge Monument Works, Woodbridge, N. J. Granite monuments and memorials. Serial No. 569,369, Oct. 25. Class 50.
Frederick & Nelson: *See*—
Marshall Field & Company.
Friedman, Abe A., Augusta, Ga. Watches. Serial No. 574,224, Oct. 25. Class 27.
Fulton Bag & Cotton Mills, Atlanta, Ga. Tarpaulins and canvas covers, etc. Serial No. 523,259, Oct. 25. Class 50.
Fyr-Fyter Company, The, Dayton, Ohio. Fire extinguishing chemicals. Serial No. 538,396, Oct. 25. Class 6.
Gardenhour Bros., Smithsburg, Md. Fresh deciduous fruits. Serial No. 567,347, Oct. 25. Class 46.
Garfield Manufactnring Company, Garfield, N. J. Electrical equipment. Serial No. 546,381, Oct. 25. Class 21.
Gaylord Container Corporation, St. Louis, Mo. Paper and paperboard. Serial No. 564,564, Oct. 25. Class 37.
General Aniline & Film Corporation, New York, N. Y. Photographic goods. Serial No. 561,113, Oct. 25. Class 26.
General Fireproofing Company, The, Youngstown, Ohio. Desks, tables, telephone stands, etc. Serial No. 560,998, Oct. 25. Class 32.
General Tire & Rubber Company, The, Akron, Ohio. Storage battery chargers. Serial No. 513,562, Oct. 25. Class 21.
Gigantic S. A., Geneva, Switzerland. Watches and parts thereof. Serial No. 572,560, Oct. 25. Class 27.
Gothic Jarproof Watch Corp., New York, N. Y. Watches. Serial No. 552,065, Oct. 25. Class 27.
Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. Serial No. 571,722, Oct. 25. Class 27.
Granat Bros., Inc., San Francisco, Calif. Finger rings. Serial No. 542,936, Oct. 25. Class 28.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth materials. Serial No. 562,697, Oct. 25. Class 1.
Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth, kieselguhr, and infusorial earth. Serial No. 562,698, Oct. 25. Class 1.
Green, Robert M., & Sons, Inc., Philadelphia, Pa. Soda fountain back bars and soda fountain counters. Serial No. 554,486, Oct. 25. Class 32.
Greene & Hodgson, Inc., Providence, R. I. Oil burners and boilers. Serial No. 556,575, Oct. 25. Class 34.
Green's Fuel, Inc., Sarasota, Fla. Liquefied petroleum gas burning refrigerators. Serial No. 568,018, Oct. 25. Class 31.
Greenstein & Flaum, New York, N. Y. Ladies' hats. Serial No. 558,137, Oct. 25. Class 39.
Greylock Sand & Gravel Co., The: *See*—
Dabrowski, Fred.
Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. Serial Nos. 562,705–6, Oct. 25. Class 1.
Grove Regulator Company, Oakland, Calif. Fluid flow controlling devices. Serial No. 495,471, Oct. 25. Class 13.
Haddad, Amram, New York, N. Y. Composition and plastic dolls. Serial No. 532,824, Oct. 25. Class 22.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. Serial No. 534,119, Oct. 25. Class 37.
Hat Research Foundation, Inc., New York, N. Y. Men's hats. Serial No. 541,539, Oct. 25. Class 39.
Hayes-Sammons Company, Mission, Tex. Fertilizers and soil sulphur. Serial No. 563,853–4, Oct. 25. Class 10.
Heatbath Appliances, Inc., Indian Orchard, Mass. Gas burners. Serial No. 549,438, Oct. 25. Class 34.
Heide Babe Products, Chicago, Ill. Kit consisting of nursing bottle holder, baby pants, and baby bib. Serial No. 561,462, Oct. 25. Class 39.
Helbig, L. F., Co.: *See*—
Helbig, Leonard F., Jr.
Helbig, Leonard F., Jr., doing business as L. F. Helbig Co., Philadelphia, Pa. Fishing rods and leader line. Serial No. 560,264, Oct. 25. Class 22.
Herrick, Robert, Brooklyn, N. Y. Album photograph holders and photographic mountings. Serial No. 551,451, Oct. 25. Class 37.
Hershey Chocolate Corporation, Hershey, Pa. Chocolate. Serial No. 557,924, Oct. 25. Class 46.
Holiday Fabrics, Inc., Pomfret Center, Conn. Handloomed woolen piece goods. Serial No. 573,247, Oct. 25. Class 42.
Hough Shade Corporation, Janesville, Wis. Woodlink floor mats. Serial No. 567,023, Oct. 25. Class 50.
Hyde & Bate Inc., New York, N. Y. Watches, watch parts and movements, watch cases, etc. Serial No. 574,433, Oct. 25. Class 27.
I. C. & P. Distributors, Seattle, Wash. Mineral compound. Serial No. 562,189, Oct. 25. Class 6.
Imperial Molded Products Corporation, Chicago, Ill. Molded and cast, natural and synthetic, resin and plastic dials for pressure, temperature, flow and volume gauging, metering, etc., instruments, etc. Serial No. 497,101, Oct. 25. Class 26.
Infant Items, Incorporated, Fremont, Ohio. Textile sheeting. Serial No. 528,866, Oct. 25. Class 42.
Inland Steel Products Company, Milwaukee, Wis. Airtite heaters, stove pipe drum ovens, etc. Serial No. 550,508, Oct. 25. Class 34.
Institute of Visual Training, New York, N. Y. News, instructional, educational, and documentary motion picture films and slides, etc. Serial No. 521,892, Oct. 25. Class 26.
International Harvester Company, Chicago, Ill. Twine. Serial No. 572,848, Oct. 25. Class 7.
J. T. Manufacturing Company: *See*—
Turulis, John W.
Johnson Corporation, The, Three Rivers, Mich. Return traps. Serial No. 566,838, Oct. 25. Class 13.
Johnstone, Myron H., doing business as W. A. Bates Turning Co., Manistee, Mich. Boot jacks and combined boot jacks and mud scrapers. Serial No. 566,883, Oct. 25. Class 50.
Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metal fencing. Serial No. 528,485, Oct. 25. Class 13.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits, topcoats, and overcoats. Serial No. 561,573, Oct. 25. Class 39.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. Serial No. 562,195, Oct. 25. Class 37.
Kalamazoo Vegetable Parchment Co., Parchment, Mich. Laminated moisture-proof papers. Serial No. 562,197, Oct. 25. Class 37.
Kannapolis Manufacturing Company, Inc., Kannapolis, N. C. Towels, wash cloths, blankets, etc. Serial No. 532,137, Oct. 25. Class 42.
Kendall Company, The, Boston, Mass. Nursery cotton and dental floss. Serial No. 563,123, Oct. 25. Class 44.
Kerr Glass Manufacturing Corporation, Sand Springs, Okla. Jar caps and lids. Serial No. 533,170, Oct. 25. Class 50.

Kimball, C. M., Co., Boston, Mass. Ammonia, bluing, washing fluid, disinfectant, and bleach, etc. Serial No. 536,402, Oct. 25. Class 6.
Kwik-Mix Company, Port Washington, Wis. Portable concrete mixers. Serial No. 532,299, Oct. 25. Class 23.
Lamar Mattress Co.: *See*—
Smith, W. B.
Lampert, M. J., & Sons, Inc., New York, N. Y. Watch and clock springs. Serial No. 574,102, Oct. 25. Class 27.
Lawyer, C. Ray, Berkeley, Calif., doing business as C. Ray Lawyer Companies. Toy guns, holsters, spurs, etc. Serial No. 563,423, Oct. 25. Class 22.
Lawyer, C. Ray, Companies: *See*—
Lawyer, C. Ray.
Leake, W. E., Company, Incorporated, Birmingham, Ala. Camp stoves. Serial No. 532,709, Oct. 25. Class 34.
Lowe Seed Company, Aroma Park, Ill. Hybrid seed corn. Serial No. 516,553, Oct. 25. Class 1.
Lucas Machine Tool Company, Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Horizontal boring, drilling, and milling machines and parts thereof. Serial No. 557,540, Oct. 25. Class 23.
Lynn, Sheila, Inc., New York, N. Y. Ladies' and misses' dresses, blouses, jumpers, etc. Serial No. 557,368, Oct. 25. Class 39.
M. W. Corporation, Houston, Tex. Measuring appliance. Serial No. 536,110, Oct. 25. Class 26.
Macfadden Publications, Inc., New York, N. Y. Magazine feature. Serial No. 567,417, Oct. 25. Class 38.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Finished cast nickel chromium steel alloy rolls. Serial No. 532,307, Oct. 25. Class 23.
Mal-Art Inc., New York, N. Y. Sales counters. Serial No. 554,680, Oct. 25. Class 32.
Malm, E. A., Co.: *See*—
Malm, Edward A.
Malm, Edward A., doing business as E. A. Malm Co., St. Paul, Minn. Ventilators. Serial No. 559,164, Oct. 25. Class 34.
Marshall Field & Company, also doing business as Frederick & Nelson, Chicago, Ill., and Seattle, Wash. Aluminum culinary utensils. Serial No. 567,704, Oct. 25. Class 13.
Marshall Field & Company, Chicago, Ill. Textile rugs. Serial No. 572,554, Oct. 25. Class 42.
Mathieson Chemical Corporation: *See*—
Southern Acid & Sulphur Company, Incorporated.
McAleer Manufacturing Company: *See*—
Bronson Reel Company.
McDaniel, Harry H., doing business as McDaniel Mfg. Co., Inc., Dallas, Tex. Water heaters. Serial No. 554,992, Oct. 25. Class 34.
McDaniel Mfg. Co., Inc.: *See*—
McDaniel, Harry H.
McDonald Manufacturing Company, Los Angeles, Calif. Electrical apparatus. Serial No. 549,820, Oct. 25. Class 21.
Melander, Raymond C., doing business as Tuffilite Plastics, Ballston Spa, N. Y. Bases for floral designs. Serial No. 568,266, Oct. 25. Class 50.
Merriman Bros. Inc., Boston, Mass. Metallic dies. Serial No. 518,243, Oct. 25. Class 23.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 542,395, Oct. 25. Class 5.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 542,722, Oct. 25. Class 5.
Mills Industries, Incorporated, Chicago, Ill. Self-contained picture and sound projection machine. Serial No. 481,333, Oct. 25. Class 26.
Minden Cotton Oil & Ice Company, Ltd., Minden, La. Fertilizer. Serial No. 573,135, Oct. 25. Class 10.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. Serial No. 543,826, Oct. 25. Class 46.
Modell, Henry, & Co., Inc., New York, N. Y. Children's sleds, scooters, velocipedes. Serial No. 561,132, Oct. 25. Class 22.
Modern Carpet Sweeper Co., Inc., New York, N. Y. Carpet sweepers. Serial No. 553,121, Oct. 25. Class 23.
Monsanto Chemical Company, St. Louis, Mo. Adhesive cements. Serial No. 557,681, Oct. 25. Class 5.
Monsanto Chemical Company, St. Louis, Mo. Adhesive cements. Serial No. 560,341, Oct. 25. Class 5.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,675, Oct. 25. Class 37.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,682, Oct. 25. Class 37.
Morris, Florence E., Pittsburgh, Pa. Preparations for treating the hair and scalp. Serial No. 537,216, Oct. 25. Class 6.
Mulco, S. A., La Chaux-de-Fonds, Switzerland. Watches and parts of watches. Serial No. 572,677, Oct. 25. Class 27.
N. V. Amsterdamsche Chininefabriek, Amsterdam, Holland. Medicine. Serial No. 554,689, Oct. 25. Class 6.
Nata Products Company: *See*—
Crown Zellerbach Corporation.
National Cylinder Gas Company, Chicago, Ill. Protective devices. Serial No. 545,517, Oct. 25. Class 26.
National Hygienic Products Corp., Akron, Ohio. Toy balloons. Serial No. 564,458, Oct. 25. Class 22.
National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.
National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index and onionskin paper, boxed stationery, etc. Serial No. 550,542, Oct. 25. Class 37.
Nelson, Katherine D., Mankato, Minn. Dairy products order board. Serial No. 559,314, Oct. 25. Class 50.
New Britain Machine Company, The: *See*—
Lucas Machine Tool Company.
Newport Industries, Inc., Pensacola, Fla. Turpentine. Serial No. 543,976, Oct. 25. Class 16.
New Process Metals Corporation, Newark, N. J. Sparkling metal flints. Serial No. 553,005, Oct. 25. Class 34.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, printed seals and printed decorative tags. Serial Nos. 557,684–5, Oct. 25. Class 38.
Norlon Corporation, New York, N. Y. Tablets. Serial No. 566,950, Oct. 25. Class 6.
Norma-Hoffmann Bearings Corporation, Stamford, Conn. Roller bearings and their parts. Serial No. 555,889, Oct. 25. Class 23.
Oakland Engineering Company, Inc., Oakland, Calif. Tricycles and velocipedes and pedal cars, etc. Serial No. 516,498, Oct. 25. Class 22.
Obear-Nester Glass Co., East St. Louis, Ill. Prescription bottles of glass. Serial No. 528,367, Oct. 25. Class 33.
Ohlsens, J. E., Enke, Copenhagen, Denmark. Seeds, plants and herbs. Serial No. 560,282, Oct. 25. Class 1.
Oil Base, Inc., Compton, Calif. Oil base drilling fluid. Serial No. 555,835, Oct. 25. Class 12.
Olin Industries, Inc., New Haven, Conn. Dry cell batteries and handlamps. Serial No. 553,637, Oct. 25, Class 21.
Omodox Watch G. m. b. H., Lengnau, Switzerland. Watches and watch movements. Serial No. 573,890, Oct. 25. Class 27.
Pacific Exploration Co., Inc., Seattle, Wash. Canned King crab. Serial No. 565,957, Oct. 25. Class 46.
Paraffine Companies, Inc., The, San Francisco, Calif. Solvent-type adhesive. Serial No. 558,588, Oct. 25. Class 5.
Parkway Foods, Inc., New York, N. Y. Salted mixed nuts, salted cashew nuts, salted peanuts, etc. Serial No. 562,664, Oct. 25. Class 46.
Parsons, M. W., Imports and Plymouth Organic Laboratories, Inc., New York, N. Y. Metallic soaps. Serial No. 536,128, Oct. 25. Class 6.
Payot, N. G., Dr., Laboratoires du, Paris France. Sunburn lotion. Serial No. 506,175, Oct. 25. Class 6.
Perfumeria Gal, S. A., Madrid, Spain. Toilet soaps, shaving soaps, and liquid and powdered shampoo preparations. Serial No. 556,474, Oct. 25. Class 4.
Perfumeria Gal, S. A., Madrid, Spain. Toilet and shaving soaps, and liquid and powdered shampoo preparations. Serial No. 557,767, Oct. 25. Class 4.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 553,397, Oct. 25. Class 39.
Petty, Byron T., doing business as The Petty Manufacturing Company, Effingham, Ill. Garment hangers. Serial No. 561,765, Oct. 25. Class 50.
Petty Manufacturing Company, The: *See*—
Petty, Byron T.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Mixture of penicillin salts. Serial No. 581,351, Oct. 25. Class 6.
Pharma-Craft Corporation, The, New York, N. Y. Deodorant and antiperspirant. Serial No. 508,242, Oct. 25. Class 6.
Pinabord Manufacturing Company: *See*—
Bartsch, Ernst A.
Pollak, Henry, Inc., New York, N. Y. Hat braids. Serial No. 574,730, Oct. 25. Class 40.
Polymer Corporation, The, Reading, Pa. Coloring compounds. Serial No. 554,152, Oct. 25. Class 6.
Post Baby Products, Los Angeles, Calif. Boys' and girls' play suits, panties, trunks, etc. Serial No. 559,860, Oct. 25. Class 39.
Princess Products: *See*—
Crystal, Edwina.
Procter & Gamble Company, The, Cincinnati, Ohio. Cosmetic cream. Serial No. 532,491, Oct. 25. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Periodical. Serial No. 565,457, Oct. 25. Class 38.
Proulx, Albert P., Manchester, N. H. Liniment. Serial No. 511,500, Oct. 25. Class 6.
Puritan Mills, Atlanta, Ga. Dairy feeds. Serial No. 545,164, Oct. 25. Class 46.
Quaker Oats Company, The, Chicago, Ill. Furfural residue. Serial No. 575,430, Oct. 25. Class 10.
Ralston Purina Company, St. Louis, Mo. Animal feeds, fresh dressed turkeys, fresh dressed chickens, etc. Serial No. 553,515, Oct. 25. Class 46.
Randolph-Rand Sales Co., Inc., New York, N. Y. Handbag frames. Serial No. 575,488, Oct. 25. Class 3.
Refractories Development Company, Pittsburgh, Pa. Refractory composition. Serial No. 544,107, Oct. 25. Class 12.
Reich, John F., Kansas City, Mo. Christmas tree ornaments. Serial No. 559,861, Oct. 25. Class 50.

Reid, M. L., doing business as Reid's Rancho Palos Verdes, Tucson, Ariz. Passion fruit juices. Serial No. 556,219, Oct. 25. Class 46.
Reid's Rancho Palos Verdes: *See*—
Reid, M. L.
Rexall Drug Company, Los Angeles, Calif. Clocks. Serial No. 573,572, Oct. 25. Class 27.
Ringcraft Incorporated, Detroit, Mich. Jewelry. Serial No. 506,008, Oct. 25. Class 28.
Roberts, Clark L., doing business as Valley Mound Supply Company, Nampa, Idaho. Agricultural implements. Serial No. 514,497, Oct. 25. Class 23.
Robertson, Frank H., Forest Hills, N. Y. Dyeing accessory. Serial No. 531,719, Oct. 25. Class 6.
Rockler, L. A., Fur Company, Minneapolis, Minn. Fur skins. Serial No. 562,666, Oct. 25. Class 1.
Rock-Tred Corporation, Chicago, Ill. Ready-mixed asphalt floor surfacer. Serial No. 530,567, Oct. 25. Class 12.
Rockwell Laboratories, Incorporated, Kansas City, Mo. Non-saponaceous disinfectant and deodorant preparation. Serial No. 557,692, Oct. 25. Class 6.
Rockwood & Co., Brooklyn, N. Y. Chocolate pieces of semi-sweet chocolate. Serial No. 485,158, Oct. 25. Class 46.
Santa Fe Manufacturing Corp., New York, N. Y. Jewelry chains. Serial No. 573,201, Oct. 25. Class 28.
Sawyer Tanning Company, Napa, Calif. Leather. Serial No. 556,820, Oct. 25. Class 1.
Scall, Louis, doing business as Wiltshire Woolen Company, New York, N. Y. Piece goods. Serial No. 572,380, Oct. 25. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 568,281, Oct. 25. Class 6.
Scooterpooper Sales, Inc., Columbia, S. C. Artificial fish bait or lure. Serial No. 561,690, Oct. 25. Class 22.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Penicillin preparation. Serial No. 569,897, Oct. 25. Class 6.
Shell Chemical Corporation, New York, N. Y. Alcohols, ketones, ammonia, and soil fumigant. Serial No. 559,251, Oct. 25. Class 6.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Electrical connectors. Serial No. 517,011, Oct. 25. Class 21.
Simmons Company, New York, N. Y. Springs. Serial No. 561,525, Oct. 25. Class 32.
Sloane, W. & J., New York, N. Y. Ash trays and cigarette boxes. Serial No. 559,552, Oct. 25. Class 8.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Booklet. Serial No. 545,542, Oct. 25. Class 38.
Smith, W. B., doing business as Lamar Mattress Co., Memphis, Tenn. Mattresses. Serial No. 568,286, Oct. 25. Class 32.
Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge, etc. Serial No. 547,158, Oct. 25. Class 6.
Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge, etc. Serial No. 547,162, Oct. 25. Class 6.
Sohi Tool Company, The, Oshkosh, Wis. Small power-driven machine tools and parts thereof. Serial No. 545,179, Oct. 25. Class 23.
Sorgos Company, The, Havre de Grace, Md. Dental counterirritant. Serial No. 557,280, Oct. 25. Class 6.
South Bend Bait Company, South Bend, Ind. Fishing rods, fishing reels, fishing lines, etc. Serial No. 556,663, Oct. 25. Class 22.
Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Fertilizers. Serial No. 576,144, Oct. 25. Class 10.
Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Sulphur. Serial No. 576,168, Oct. 25. Class 10.
Spirittine Chemical Company, Wilmington, N. C. Disinfectants, nose spray, pine healing oil, etc. Serial No. 552,889, Oct. 25. Class 6.
Sprouse, V. E., Company, Inc., Columbus, Ind. Blowers and ventilating fan units. Serial No. 539,361, Oct. 25. Class 34.
Stayton Canning Co. Co-Operative, Stayton, Oreg. Canned vegetables. Serial No. 566,250, Oct. 25. Class 46.
Stern, Henri, Watch Agency, Inc., The, New York, N. Y. Watches. Serial No. 573,062, Oct. 25. Class 27.
Stock, Arthur J., doing business as Stock Engineering Company, Cleveland, Ohio. Non-segregating distributors. Serial No. 563,876, Oct. 25. Class 34.
Stock Engineering Company: *See*—
Stock, Arthur J.
Strickland, J., and Co., Memphis, Tenn. Perfume. Serial No. 563,761, Oct. 25. Class 6.
Strobo Research, Milwaukee, Wis. Photo flash synchronizers. Serial No. 557,566, Oct. 25. Class 26.
Sumco Products, Inc., Brooklyn, N. Y., and San Francisco, Calif. Solvent. Serial No. 567,438, Oct. 25. Class 6.
Sun Oil Company, Philadelphia, Pa. Special hydraulic fluid. Serial No. 567,723, Oct. 25. Class 6.
Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Domestic electric cookers, roasters, and ranges. Serial No. 563,700, Oct. 25. Class 21.
Tablex Company: *See*—
Weiner, Louis, I.
Tasty Baking Company, Philadelphia, Pa. Cakes. Serial No. 536,173, Oct. 25. Class 46.
Thommen, Adolf, Tecknau, near Basle, Switzerland. Watches, watch movements, watch cases, etc. Serial Nos. 573,511–12, Oct. 25. Class 27.
Toledo Pipe Threading Machine Company, The, Toledo, Ohio. Machines, plain and ratchet operated threaders, pipe vises, etc. Serial No. 528,533, Oct. 25. Class 23.
Torsion Balance Company, The, New York, N. Y. Weighing balances and scales. Serial No. 544,303, Oct. 25. Class 26.
Tos, Edward, New York, N. Y. Game. Serial No. 564,665, Oct. 25. Class 22.
Transitier Truck Company, Portland, Oreg. Lift trucks and parts thereof. Serial No. 557,702, Oct. 25. Class 23.
Tuffilte Plastics: *See*—
Melander, Raymond C.
Turulis, John W., doing business as J. T. Manufacturing Company, Gary, Ind. Ash trays. Serial No. 564,979, Oct. 25. Class 8.
U. S. Expansion Bolt Co., York, Pa. Toggle bolts. Serial No. 564,026, Oct. 25. Class 13.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. Serial No. 550,867, Oct. 25. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Smoking tobacco. Serial No. 550,872, Oct. 25. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Chewing tobacco. Serial No. 550,875, Oct. 25. Class 17.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. Serial No. 550,878, Oct. 25. Class 17.
United World Films, Inc., New York, N. Y. Silent and/or sound motion picture films. Serial No. 537,104, Oct. 25. Class 26.
Upland Citrus Association, Upland, Calif. Fresh citrus fruit. Serial No. 565,025, Oct. 25. Class 46.
Utica and Mohawk Cotton Mills, Inc., Utica, N. Y. Sheeting, sheets and pillowcases. Serial No. 560,734, Oct. 25. Class 42.
V. & E. Manufacturing Co., Pasadena, Calif. Drawing pens. Serial No. 567,160, Oct. 25. Class 26.
Vallean Watch Co., New York, N. Y. Watches and clocks. Serial No. 518,575, Oct. 25. Class 27.
Valley Fruit & Product Co., Los Angeles, Calif. Fresh vegetables and fresh avocados. Serial No. 565,830, Oct. 25. Class 46.
Valley Mound Supply Company: *See*—
Roberts, Clark L.
Viking Pictures Corporation, Chicago, Ill. Motion picture films. Serial No. 546,446, Oct. 25. Class 26.
Virginia-Carolina Chemical Corporation, Richmond, Va. Hand cleanser. Serial No. 558,184, Oct. 25. Class 4.
Vulcan Corporation, Portsmouth, Ohio. Shoe lasts. Serial No. 565,230, Oct. 25. Class 50.
Wasatch Chemical Company, Salt Lake City, Utah. Disinfectant, deodorant and bleaching compound. Serial No 510,628, Oct. 25. Class 6.
Weather-Mates Apparel Co. Inc., New York, N. Y. Ladies', misses', children's, etc., coats. Serial No. 559,753, Oct. 25. Class 39.
Webster-Chicago Corporation, Chicago, Ill. Apparatus for electrically recording sound upon wire and/or electrically reproducing sound from wire. Serial No. 556,935, Oct. 25. Class 21.
Wegman, S. J., Company, New York, N. Y. Brassières. Serial No 566,736, Oct. 25. Class 39.
Weiner, Louis I., doing business as Tablex Company, New York, N. Y. Vaginal contraceptive preparations. Serial No. 557,802, Oct. 25. Class 6.
Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. Serial No. 557,419, Oct. 25. Class 28.
Weinreich Brothers Company, New York, N. Y. Pearl earrings, pearl brooches, strings of pearls, etc. Serial No. 570,341, Oct. 25. Class 28.
Western Steel Fixture Corp., Dallas, Tex. Kitchen sinks. Serial No 533,801, Oct. 25. Class 13.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper packets and folders, etc. Serial No. 526,166, Oct. 25. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries. Serial No. 557,112, Oct. 25. Class 37.
West Indies Bay Company, Minneapolis, Minn. Bay rum. Serial No 569,728, Oct. 25. Class 6.
Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric exposure meters. Serial No. 515,346, Oct. 26. Class 26.
Whale Products Corp., Brooklyn, N. Y. Oil-burning apparatus. Serial No. 568,416, Oct. 25. Class 34.
White L. N. & Co., Inc., New York, N. Y. Creamed corn starch. Serial No. 564,750, Oct. 25. Class 46.
White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. Serial No. 566,407, Oct. 25. Class 38.
Willard Storage Battery Company, Cleveland, Ohio. Storage battery chargers. Serial No. 553,659, Oct. 25. Class 21.
Wilson Sporting Goods Co., Chicago, Ill. Shoulder pads of special rigid construction worn by football players. Serial No. 564,672, Oct. 25. Class 22.

Wilson Sporting Goods Co., Chicago, Ill. Hip and kidney protecting or blocking pads worn by participants in sports. Serial No. 564,673, Oct. 25. Class 22.
Wiltshire Woolen Company: *See*—
Scall, Louis.
Woodbridge Monument Works: *See*—
Frank, Charles.
Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. Serial No. 561,429, Oct. 25. Class 39.
York-Shipley, Inc., York, Pa. Rotary oil burners, gun-type oil burners, etc. Serial No. 539,587, Oct. 25. Class 34.
Zalis, Albert V., Baltimore, Md. Wiping cloths. Serial No. 546,258, Oct. 25. Class 42

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Drug Co.: *See*—
Perkins, T. D.
Ace Products Co.: *See*—
Perkins, Timothy D.
Acushnet Process Company, New Bedford, Mass. Golf Balls. 516,729, Oct. 25; Serial No. 537,273, published July 12, 1949. Class 22.
Ada Milling Company, Ada, Okla. Dairy feed. 516,718, Oct. 25; Serial No. 534,224, published July 5, 1949. Class 16.
Aircraft Containers Co.: *See*—
Pacific Wire Products Corporation.
Aircraft Screw Products Company, Inc., Long Island City, N. Y., now by merger Heli-Coil Corporation. Tools, apparatus and machines. 516,681, Oct. 25; Serial No. 512,475, published July 12, 1949. Class 23.
Air-Mite, Chicago, Ill. Air cylinders. 516,846, Oct. 25; Serial No. 551,602, published July 12, 1949. Class 23.
Ajax Rubber Company, Inc., New York, N. Y., and Racine, Wis., to The Dayton Rubber Company, Dayton, Ohio. Rubber tires and tubes. 256,296, renewed May 14, 1949. O. G. Oct. 25. Class 35.
Albrecht, Fred W., Grocery Company, The, Akron, Ohio. Coffee. 264,336, renewed Nov. 26, 1949. O. G. Oct. 25. Class 46.
Allen C. S., Corporation, New York, N. Y. Candies. 516,742, Oct. 25; Serial No. 539,375, published July 12, 1949. Class 46.
Altman, B., & Co., New York, N. Y. Articles of wearing apparel for women and girls. 516,880, Oct. 25; Serial No. 556,525, published July 5, 1949. Class 39.
Altman, B., & Co., New York, N. Y. Yarns and thread. 516,977, Oct. 25; Serial No. 570,180, published July 26, 1949. Class 43.
American Chemical Paint Company, Ambler, Pa. Chemical preparation. 510,191, May 31, 1949. Corrected. O. G. Oct. 25. Class 6.
American Fork and Hoe Company, The, Cleveland, Ohio. Fishing rods, fishing rod handles, etc. 258,244, renewed July 2, 1949. O. G. Oct. 25. Class 22.
American Fork and Hoe Company, The, Cleveland, Ohio. Rail anchors and rail joint shims. 258,575, renewed July 9, 1949. O. G. Oct. 25. Class 14.
American Net & Twine Company, Boston, Mass., and New York, N. Y., to The Linen Thread Co., Inc., Paterson, N. J. Twine. 263,799, renewed Nov. 12, 1949. O. G. Oct. 25. Class 7.
American Oil Chemists' Society, The, Chicago, Ill. Magazine. 517,010, Oct. 25; Serial No. 546,939. Class 38.
American Proprietaries: *See*—
Kaltz, Anna C.
American Shuffleboard Company, Union City, N. J. Games. 516,723, Oct. 25; Serial No. 536,215, published July 19, 1949. Class 22.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 516,903, Oct. 25; Serial No. 558,644, published July 19, 1949. Class 17.
Andersen's Foods, Inc., Buellton, Calif. Frozen split pea soup and dehydrated split peas. 516,705, Oct. 25; Serial No. 531,003, published Mar. 1, 1949. Class 46.
Andon's, A. E., Sons, Inc., New York, N. Y. Woolen rugs. 516,944, Oct. 25; Serial No. 565,097, published July 19, 1949. Class 42.
Anthony Macaroni Co., Inc., to Anthony Macaroni & Cracker Co., Los Angeles, Calif. Alimentary pastes, canned ravioli, chili sauce, etc. 262,930, renewed Oct. 29, 1949. O. G. Oct. 25. Class 46.
Anthony Macaroni & Cracker Co.: *See*—
Anthony Macaroni Co., Inc.
Apollinaris Company, Limited, The: *See*—
Die Actiengesellschaft Apollinaris Brunnen.
Apollinaris Company, Limited, The, London, England. Mineral water. 52,710, May 15, 1906. Republished Oct. 25. Class 45.
Apollinaris Company Limited, The, London, England. Mineral water. 58,006, Dec. 4, 1906. Republished Oct. 25. Class 45.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets, pocketbooks, and bill folds. 443,496, Oct. 25; Serial No. 523,506, published Nov. 11, 1947. Class 3.
Arkwright Finishing Company, Providence, R. I. Tracing cloth. 516,796, Oct. 25; Serial No. 544,963, published June 21, 1949. Class 37.
Armand Company, The, Des Moines, Iowa. Face powder, talcum powder, cold-cream powder, etc. 516,909, Oct. 25; Serial No. 559,475, published July 26, 1949. Class 6.
Armour and Company, Chicago, Ill. Coated abrasive products. 516,820, Oct. 25; Serial No. 548,629, published July 12, 1949. Class 4.
Armstrong Cork Company, Lancaster, Pa. Hand applicators for spreading liquid wax, and bottle brushes. 516,694, Oct. 25; Serial No. 524,934, published July 26, 1949. Class 29.
Arrco Playing Card Company, Chicago, Ill. Playing cards. 516,848, Oct 25; Serial No. 551,847, published June 21, 1949. Class 22.
Asbell, Mellege S., doing business as Romero Drug Co., El Paso, by Romero Drug Company, assignor to C. T. Johnson, San Antonio, Tex. Laxative pills. 184,218, May 20, 1924. Republished Oct. 25. Class 6.
Associated Needlecrafts, New York, N. Y. Knitting bags. 516,975, Oct. 25; Serial No. 569,736, published July 5, 1949. Class 3.
Associated Projects Company, Columbus, Ohio. Combination serving tray and sink top drainer. 516,989, Oct. 25; Serial No. 504,594. Class 13.
Astrup Company, The, Cleveland, Ohio. Cotton piece goods. 517,005, Oct. 25; Serial No. 535,116. Class 42.
Auto Fabrics Corporation, to Regency Products, Inc., Philadelphia, Pa. Automobile seat covers. 500,756, June 29, 1948. New certificate. O. G. Oct. 25. Class 19.
Auto Truck Equipment Company, Pittsburgh, Pa. Hoists and winches. 516,771, Oct. 25; Serial No. 542,504, published July 19, 1949. Class 23.
Auto Truck Equipment Company, Pittsburgh, Pa. Hoists and winches. 516,772, Oct. 25; Serial No. 542,509, published July 19, 1949. Class 23.
Azusa-Covina-Glendora Fruit Exchange, Azusa, to Covina Valley Orange Co., Covina, Calif. Citrus fruits. 76,100, re-renewed Dec. 14, 1949. O. G. Oct. 25. Class 46.
Bags by Maurice, Inc., New York, N. Y. Ladies' handbags. 516,949, Oct. 25; Serial No. 565,533, published June 28, 1949. Class 3.
Bailey Meter Company, Cleveland, Ohio. Measuring, controlling, and regulating instruments, systems, and apparatus. 516,791, Oct. 25; Serial No. 544,505, published June 21, 1949. Class 26.
Baines & Polk Mfg. Co., Irwin, Pa. Paper clips. 517,016, Oct. 25; Serial No. 557,820. Class 37.
Baker Importing Company, New York, N. Y. Coffee. 516,805, Oct. 25; Serial No. 546,344, published July 5, 1949. Class 46.
Bal, William, Corporation, Newark, N. J. Trunks. 516,674, Oct. 25; Serial No. 506,356, published June 21, 1949. Class 3.
Ball, F. M., & Company, Oakland, Calif. Canned fruits. 516,749, Oct. 25; Serial No. 540,365, published July 12, 1949. Class 46.
Bally Inc., New York, N. Y. Leather. 359,088, Aug. 2, 1938. Republished Oct. 25. Class 1.
Baylis Sanitary Supply Co., Chicago, Ill. Laundered mill ends. 516,812, Oct. 25; Serial No. 547,510, published July 26, 1949. Class 29.
Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. 516,878, Oct. 25; Serial No. 556,241, published June 21, 1949. Class 22.
Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 516,897, Oct. 25; Serial No. 558,098, published July 19, 1949. Class 42.
Bell & Gossett Company, Morton Grove, Ill. Thermostatically controlled valves. 516,676, Oct. 25; Serial No. 509,133, published June 21, 1949. Class 26.
Bergdorf & Goodman Co., New York, N. Y. Sachet powder. 516,958, Oct. 25; Serial No. 567,017, published July 26, 1949. Class 6.
Bethlehem Steel Company, Bethlehem, Pa. Steel pipe. 264,198, renewed Nov. 19, 1949. O. G. Oct. 25. Class 13.
Bidoro Manufacturing Company: *See*—
Callejo, Modesto.
Binney & Smith Company, New York, N. Y. Crayons. 516,882, Oct. 25; Serial No. 556,864, published July 5, 1949. Class 37.
Blackwood Coal & Coke Co.: *See*—
Blackwood Coal and Coke Company.
Blackwood Coal and Coke Company, Philadelphia, Pa., to Blackwood Coal & Coke Co., Blackwood, Va., and Philadelphia, Pa. Bituminous coal. 251,846, renewed Jan. 15, 1949. O. G. Oct. 25. Class 1.
Blanchard, Ralph E., doing business as The Reblan Co., Winnetka, Ill. Reflectors. 516,809, Oct. 25; Serial No. 546,645, published June 21, 1949. Class 34.

Blond, Samuel, Dallas, Tex. Wiping rags. 516,866, Oct. 25; Serial No. 554,762, published July 26, 1949. Class 29.

Bliss, E. W., Company, Toledo, Ohio. Metal working presses, metal drawing machines, can making and filling machines, etc. 363,435, Dec. 27, 1938. Republished Oct. 25. Class 23.

Bluem, Vera M., doing business as Zebest Products Co. of California, Los Angeles, Calif. Food flavorings. 516,788, Oct. 25; Serial No. 544,319, published July 12, 1949. Class 46.

Booth, Morris F., Alden, Mich. Toys. 443,477, Oct. 25; Serial No. 508,967, published June 14, 1949. Class 22.

Boott Mills, Lowell, Mass. Towels of textile materials. 517,007, Oct. 25; Serial No. 536,994. Class 42.

Borcherdt Malt Extract Company, Chicago, Ill. Medicinal preparations. 516,778, Oct. 25; Serial No. 543,561, published July 26, 1949. Class 6.

Bosca, Hugo, doing business as Hugo Bosca Company, Springfield, Ohio. Leather goods. 516,888, Oct. 25; Serial No. 557,498, published July 12, 1949. Class 3.

Bosca, Hugo, Company: *See*—
Bosca, Hugo.

Botany Mills, Inc., Passaic, N. J. Neckties. 517,006, Oct. 25; Serial No. 536,753. Class 39.

Botany Mills, Inc., Passaic, N. J. Neckties. 517,017, Oct. 25; Serial No. 558,545. Class 39.

Bowers, Floyd O., Lansing, Mich. Game board. 516,759, Oct. 25; Serial No. 541,073, published June 21, 1949. Class 22.

Bradstone Rubber Company, Woodbine, N. J. Rubber heels. 254,659, renewed Mar. 26, 1949. O. G. Oct. 25. Class 39.

Braid-Aid Company: *See*—
Griswold, Roger C.

Brandy Mills Corporation, New York, N. Y. Ladies', misses', and children's handbags and purses. 516,917, Oct. 25; Serial No. 560,859, published July 26, 1949. Class 3.

Braude, Simon, Paris, France. Sets of playing cards. 516,819, Oct. 25; Serial No. 548,571, published July 5, 1949. Class 22.

Bridgeport Tool Company: *See*—
Jameson, Russell.

Brinly-Hardy Company, Louisville, Ky. Middle-breaker plows and parts thereof. 516,834, Oct. 25; Serial No. 550,894, published July 12, 1949. Class 23.

British Imports: *See*—
Gutwilling, Victor.

Brown & Bigelow, St. Paul, Minn. Writing instruments. 516,671, Oct. 25; Serial No. 503,549, published July 19, 1949. Class 37.

Brown Company, Berlin, N. H. Paper towels and towel paper. 516,684, Oct. 25; Serial No. 517,350, published June 28, 1949. Class 37.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Smoking and chewing tobacco. 516,877, Oct. 25; Serial No. 556,174, published July 5, 1949. Class 17.

Buckley, Newhall Company, The: *See*—
Harlem Furniture Company.

Buda Company, The, Harvey, Ill. Earth drills. 516,700, Oct. 25; Serial No. 527,852, published July 12, 1949. Class 23.

Burgess-Berliner Associates, St. Charles, Ill. Nylon flannel fabric. 516,774, Oct. 25; Serial No. 542,746, published July 5, 1949. Class 42.

Burkay Co., The, Toledo, Ohio, by A. O. Smith Corporation, Milwaukee, Wis. Differential expansion thermally actuated fluid burner control apparatus and parts thereof. 423,257, Aug. 27, 1946. Republished Oct. 25. Class 34.

California Fruit Canners Association, to California Packing Corporation, San Francisco, Calif. Canned fruits, dried fruits, raisins, etc. 75,958, re-renewed Nov. 30, 1949. O. G. Oct. 25. Class 46.

California Oil Company, The: *See*—
New York Lubricating Oil Company.

California Packing Corporation: *See*—
California Fruit Canners Association.

Callejo, Modesto, doing business as Bidoro Manufacturing Company, New York, N. Y. Bidets and parts thereof. 516,905, Oct. 25; Serial No. 558,909, published July 26, 1949. Class 13.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Solvents. 263,505, renewed Nov. 5, 1949. O. G. Oct. 25. Class 6.

Carter Dry Goods Co., Louisville, Ky. Ladies', men's and children's underwear. 181,199, Mar. 18, 1924. Republished Oct. 25. Class 39.

Cartner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y. etc. Coal. 45,017, Aug. 1, 1905. Corrected. O. G. Oct. 25. Class 1.

Central Alloy Steel Corporation, Massillon, to Republic Steel Corporation, Cleveland, Ohio. Rust-resisting anti-corrosive metal and iron and steel bars, etc. 256,370, renewed May 14, 1949. O. G. Oct. 25. Class 14.

Century Cement Corporation, to Century Cement Manufacturing Company, Inc., Rosendale, N. Y. Cement. 265,523, renewed Dec. 31, 1949. O. G. Oct. 25. Class 12.

Century Cement Manufacturing Company, Inc.: *See*—
Century Cement Corporation.

Champion De Arment Tool Company, Meadville, Pa. Pliers. 516,726, Oct. 25; Serial No. 537,006, published July 12, 1949. Class 23.

Charmette Fabrics Company, Inc., New York, N. Y. Fabrics in the piece. 516,828, Oct. 25; Serial No. 550,486, published July 19, 1949. Class 42.

Chicago Metallic Manufacturing Co., Chicago, Ill. Baking sheets and baking pans. 516,733, Oct. 25; Serial No. 538,244, published July 26, 1949. Class 13.

Chilcote Company, The, Cleveland, Ohio. Mounts for photographs or the like. 516,711, Oct. 25; Serial No. 532,689, published July 19, 1949. Class 37.

Cleveland Cooperative Stove Company, The, Cleveland, Ohio, now by change of name Grand Industries, Inc. Key operated gas range cocks. 516,730, Oct. 25; Serial No. 537,662, published July 12, 1949. Class 13.

Cleveland Heater Company, The, Cleveland, Ohio. Thermal insulating jackets, casings, and pipe coverings. 261,826, renewed Sept. 24, 1949. O. G. Oct. 25. Class 12.

Clover Farm Stores Corporation, Cleveland, Ohio. Fly swatters. 516,861, Oct. 25; Serial No. 554,089, published July 19, 1949. Class 50.

Coggin, William B., Inc., assignor by mesne assignments to W. C. Handley, Chicago, Ill. Spring hobbyhorses. 443,472, Oct. 25; Serial No. 492,309, published May 7, 1946. Class 22.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 516,972, Oct. 25; Serial No. 568,586, published May 31, 1949. Class 42.

Cohn, Sigmund, Corp., New York, N. Y. Rhodium solutions and gold cyanide. 516,961 Oct. 25; Serial No. 567,237, published July 26, 1949. Class 6.

Coleman Company, Inc., The, Wichita, Kans. Gas lamps and lanterns; hollow-wire gas lighting system and fixtures; etc. 516,713, Oct. 25; Serial No. 533,146, published July 5, 1949. Class 34.

Colonial Knife Company, Inc., Providence, R. I. Pocket knives and hand manipulated letter openers. 516,987, Oct. 25; Serial No. 573,230, published July 19, 1949. Class 23.

Columbia Walescraft Ltd., New York, N. Y. Billfolds, wallets, key cases, etc. 516,875, Oct. 25; Serial No. 556,075, published June 28, 1949. Class 3.

Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled steel teapots, coffeepots, biggins, etc. 516,682, Oct. 25; Serial No. 512,767, published July 26, 1949. Class 13.

Compania Vinicola del Norte de Espana, Bilbao, Spain. Claret in bottles. 52,478, May 8, 1906. Republished Oct. 25. Class 47.

Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Newsprint paper. 443,498, Oct. 25; Serial No. 524,525, published July 19, 1949. Class 37.

Consolidated Rendering Company, Boston, Mass. Plant food. 260,267, renewed Aug. 20, 1949. O. G. Oct. 25. Class 10.

Coors, Adolph, Company, Golden, Colo. Malted milk. 516,815, Oct. 25; Serial No. 547,836, published July 12, 1949. Class 46.

Covina Valley Orange Co.: *See*—
Azusa-Covina-Glendora Fruit Exchange.

Coxhead, Ralph C., Corporation, New York, N. Y. Office composing machines and repair parts therefor. 510,548, June 7, 1949. Corrected. O. G. Oct. 25. Class 23.

Crane & Co., Inc., Dalton, Mass. Writing paper, printing paper, correspondence envelopes, and paper for bonds, securities, and currency. 516,839–40, Oct. 25; Serial Nos. 551,247–8, published June 21, 1949. Class 37.

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. 517,023, Oct. 25; Serial No. 563,450. Class 42.

Crown Perfumery Company, Limited, The, Liverpool, to The Crown Perfumery Company, Limited, London, England. Preparation for the hair. 259,812, renewed Aug. 6, 1949. O. G. Oct. 25. Class 6.

Curtis 1000 Inc., Hartford, Conn. Advertising and business correspondence envelopes of paper. 443,497, Oct. 25; Serial No. 524,380, published July 19, 1949. Class 37.

Curtis 1000 Incorporated, Hartford, Conn. Sales information envelopes, manuscript covers, file folders and file pockets, all of paper. 517,014, Oct. 25; Serial No. 556,177. Class 37.

Curtiss Candy Company, The, Chicago, Ill. Candy and other food products. 516,757, Oct. 25; Serial No. 540,787, published July 5, 1949. Class 46.

Cutter Laboratories, Berkeley, Calif. Biologicals and pharmaceuticals. 516,941, Oct. 25; Serial No. 564,052, published July 26, 1949. Class 6.

Cutter Laboratories, Berkeley, Calif. Biological immunising agent. 516,948, Oct. 25; Serial No. 565,418, published July 26, 1949. Class 6.

Dainty Blouse Mfg. Co., New York, N. Y. Misses', girls', and children's blouses, pinafores, skirts, etc. 517,002, Oct. 25; Serial No. 523,569. Class 39.

Dale Fifth Avenue, Inc., New York, N. Y. Overnight cases, week-end cases, pullman cases, etc. 516,926, Oct. 25; Serial No. 561,887, published July 5, 1949. Class 3.

Dale Fifth Avenue, Inc., New York, N. Y. Overnight cases, weekend cases, pullman cases, etc. 516,927, Oct. 25; Serial No. 561,889, published July 5, 1949. Class 3.

Dalton Foundries, Inc., The, Warsaw, Ind. Cast metal shoe lasts and stands. 516,845, Oct. 25; Serial No. 551,545, published July 19, 1949. Class 23.

Dancyger Manufacturing Company, Cleveland, Ohio. Paper shield or tag. 516,889, Oct. 25; Serial No. 557,505, published July 5, 1949. Class 37.

D'Aoust, Eleanor M., Philadelphia, Pa. Skin creams. 516,860, Oct. 25; Serial No. 553,820, published July 26, 1949. Class 6.

Davis, A., & Sons, New York, N. Y. Ladies' and misses' coats, suits, jackets, and coat and suit ensembles. 421,367, May 28, 1946. Republished Oct. 25. Class 39.

Dayton Rubber Company, The: *See*—
Ajax Rubber Company, Inc.

Dearborn Motors Corporation, Detroit and Highland Park, Mich. Tractor-drawn mounted and/or powered implements, etc. 517,011, Oct. 25; Serial No. 547,517. Class 23.

Deering, Milliken & Co., Inc., New York, N. Y. Crib sheets. 443,486, Oct. 25; Serial No. 518,206, published Nov. 16, 1948. Class 42.

Defiance Automatic Screw Company, Defiance, Ohio. Pipe unions. 516,786, Oct. 25; Serial No. 544,156, published July 19, 1949. Class 13.

De Natale Jewelry Co., New York, N. Y. Watches. 264,172, renewed Nov. 19, 1949. O. G. Oct. 25. Class 27.

Dennis, Martin, Company, The, Newark, N. J. Bates for tanners' uses. 74,321, July 6, 1949. Republished Oct. 25. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Chrome-tanning materials. 78,070, May 31, 1910. Republished Oct. 25. Class 6.

Dennis, Martin, Company, The, Newark, N. J. Oleaginous compounds. 78,071, May 31, 1910. Republished Oct. 25. Class 15.

Dennis, Martin, Company, The, Newark, N. J. Fillers of a waxy nature used for impregnating hides after they are tanned. 78,694, July 5, 1910. Republished Oct. 25. Class 6.

Dewey and Almy Chemical Company, Cambridge, Mass. Sodium calcium hydrate. 258,511, renewed July 9, 1949. O. G. Oct. 25. Class 6.

Diamond Alkali Company, Cleveland, Ohio. Chemical preparations. 443,478, Oct. 25; Serial No. 510,490, published June 28, 1949. Class 6.

Die Actiengesellschaft Apollinaris Brunnen, Neuenahr, Germany, by The Apollinaris Company, Limited, London, England. Mineral water. 53,335, May 29, 1906. Republished Oct. 25. Class 45.

Dietrich & Gambrill, Inc., Frederick, Md., and Lewisburg, Pa. Dairy feed, horse feed, rabbit feed, and poultry feed. 516,746, Oct. 25; Serial No. 539,941, published July 5, 1949. Class 46.

Dispensers, Inc., Brooklyn, N. Y. Beverage dispensing faucets. 516,998, Oct. 25; Serial No. 518,878. Class 13.

Dittlinger Lime Company, New Braunfels, Tex. Hydrated lime. 76,582, Feb. 1, 1910. Amended. O. G. Oct. 25. Class 12.

Dittmayer, Hans, & Co., Peterswald, by Koh-I-Noor, Spojené Kovoprumyslové Závody Národní Podnik, also named Koh-I-Noor, United Metalware Factories, Prague, Czechoslovakia. Separable slide fasteners and snap or spring hooks. 340,197, Nov. 3, 1936. Republished Oct. 25. Class 13.

Dold Packing Corporation, Buffalo, N. Y. Lard. 516,804, Oct. 25; Serial No. 546,285, published July 5, 1949. Class 46.

Do/More Chair Company: *See*—
Ferris, William S.

Domore Chair Company, Inc.: *See*—
Ferris, William S.

Doten-Dunton Desk Co., Boston, to Doten-Dunton Desk Co., Cambridge, Mass. Desks, tables, bookcases, etc. 76,021, re-renewed Dec. 7, 1949. O. G. Oct. 25. Class 32.

Draper Brothers Company, Canton, Mass. Knitted and woven fabrics in the piece. 517,018, Oct. 25; Serial No. 560,456. Class 42.

Drew Pharmacal Co., Inc., New York, N. Y. Antacid adsorbent preparation. 516,725, Oct. 25; Serial No. 536,508, published July 12, 1949. Class 6.

Drewrys Ltd., U. S. A. Inc.: *See*—
Drewrys Ltd., U. S. A., The.

Drewrys Ltd., U. S. A., The, by Drewrys Ltd., U. S. A. Inc., Chicago, Ill. Ale of not more than legal alcoholic content. 320,940, Jan. 15, 1935. Republished Oct. 25. Class 48.

Dundee Knitting Mills: *See*—
Nierenberg, Moses B.

Dundee Knitwear Co.: *See*—
Nierenberg, Moses B.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. 516,955, Oct. 25; Serial No. 566,461, published July 26, 1949. Class 6.

Durabilt Manufacturing Company: *See*—
Pacific Wire Products Corporation.

Duroid Products, Incorporated, New York, N. Y. Plastic coated paper. 516,899, Oct. 25; Serial No. 558,375, published July 19, 1949. Class 37.

Dutchess Underwear Corporation, New York, N. Y. Women's and misses' slips, pajamas, and night-gowns. 349,565, Aug. 31, 1937. Republished Oct. 25. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' wearing apparel. 517,022, Oct. 25; Serial No. 562,252. Class 39.

Eastern Corporation, Bangor, Maine. Writing, printing, and wrapping paper and cardboard. 516,912, Oct. 25; Serial No. 560,193, published July 5, 1949. Class 37.

Eastern States Farmers' Exchange, West Springfield, Mass. Baler and binder twine. 516,965–6, Oct. 25; Serial Nos. 568,359–60, published June 28, 1949. Class 7.

Edge, John Peter, Ltd., New York, N. Y. Lotion for the relief of dogs. 516,934, Oct. 25; Serial No. 563,400, published July 26, 1949. Class 6.

Edger, Margaret P., Louisville, Ky. Sachet bags. 516,753, Oct. 25; Serial No. 540,650, published July 5, 1949. Class 40.

Eger, Co., The: *See*—
Eger, George G.

Eger, George G., doing business as The Eger Co., Sandusky, Ohio, and Woodhaven, N. Y. Potato chips. 516,797, Oct. 25; Serial No. 544,986, published July 5, 1949. Class 46.

Elephant Orchards: *See*—
Moore, William N.

Elgin National Watch Company, Chicago, to Elgin National Watch Company, Elgin, Ill. Instruments for measuring or determining the temperatures, speeds, torques, etc. 258,494, renewed July 9, 1949. O. G. Oct. 25. Class 26.

Ellmore Silver Co., Inc., The, Meriden, Conn. Forks, knives, spoons, etc. 443,035, July 5, 1949. Republished Oct. 25. Class 28.

Englander Company, Inc., The: *See*—
Englander Spring Bed Company.

Englander Spring Bed Company, Brooklyn, N. Y., to The Englander Company, Inc., Chicago, Ill. Beds. 257,599, renewed June 11, 1949. O. G. Oct. 25. Class 32.

Esso Standard Oil Company: *See*—
Standard Oil Company of New Jersey.

Ethridge, William R., Alliance, Ohio. Medicinal preparation. 516,923, Oct. 25; Serial No. 561,562, published July 19, 1949. Class 6.

Excelsior Machine Company: *See*—
Pohl, Alois M.

Excelsior Pearl Works, Inc., New York, N. Y. Pearl buttons. 516,976, Oct. 25; Serial No. 569,968, published July 26, 1949. Class 40.

Faber, A. W., Inc.: *See*—
Faber-Castell, A. W., Pencil Company, Incorporated.

Faber-Castell, A. W., Pencil Company, Incorporated, Newark, N. J., now by change from name A. W. Faber, Inc. Mechanical pencils, wood encased lead pencils, slate pencils, and ink pencils. 516,680, Oct. 25; Serial No. 512,171, published July 19, 1949. Class 37.

Famous Creations Inc., New York, N. Y. Collars, cuffs, jabots, sleeves, vestees, etc. 516,994, Oct. 25; Serial No. 509,762. Class 39.

Fastener Corporation, Chicago, Ill. Staples. 516,900, Oct. 25; Serial No. 558,385, published July 26, 1949. Class 13.

Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 517,027, Oct. 25; Serial No. 566,331. Class 38.

Fayne, Esther, New York, N. Y. Stuffed animal toys. 516,741, Oct. 25; Serial No. 539,147, published July 5, 1949. Class 22.

Ferris, William S., doing business as Do/More Chair Company, to Domore Chair Company, Inc., Elkhart, Ind. Office, household, and factory chairs. 264,882, renewed Dec. 10, 1949. O. G. Oct. 25. Class 32.

Fine Spinners & Doublers Limited, Manchester, England. Cotton yarn. 516,984, Oct. 25; Serial No. 571,076, published July 26, 1949. Class 43.

Firestone Tire & Rubber Company, The, Akron, Ohio. Aerator attachment for water faucets and other water outlets. 516,748, Oct. 25; Serial No. 540,181, published July 26, 1949. Class 13.

First National Stores Inc., Somerville, Mass. Cranberry sauce; fruit preserves, jellies. 516,824, Oct. 24; Serial No. 549,433, published July 5, 1949. Class 46.

Fishmaster Sporting Goods Co., Quincy, Mass. Trolling keels. 443,475, Oct. 25; Serial No. 500,381, published July 12, 1949. Class 22.

Fitch, F. W., Company, The, Des Moines, Iowa, now by merger and change of name to The F. W. Fitch Company. Hair tonic, oil and dandruff remover shampoos. 516,740, Oct. 25; Serial No. 538,901, published July 19, 1949. Class 6.

Fitchburg Paper Company: *See*—
Wallace Products, Inc.

Flo-Ball Pen Corporation, New York, N. Y. Fountain pens. 516,997, Oct. 25; Serial No. 518,290. Class 37.

Florasynth Laboratories Inc., New York, N. Y. Synthetic organic chemical compounds. 263,487–8, renewed Nov. 5, 1949. O. G. Oct. 25. Class 46.

Ford Motor Company, Dearborn, Mich. Motorcars. 429,559–60, May 6, 1947. Republished Oct. 25. Class 19.

Forstmann Woolen Company, Passaic, N. J. Woolen and worsted piece goods. 516,734, Oct. 25; Serial No. 563,924, published July 26, 1949. Class 42.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 516,945, Oct. 25; Serial No. 565,123, published July 19, 1949. Class 42.

Franklin Manufacturing Company, Inc., Brockton, Mass. Toy footballs and footballs. 516,779, Oct. 25; Serial No. 543,589, published June 21, 1949. Class 22.

Franklin Manufacturing Company, Inc., Brockton, Mass. Toy footballs and footballs. 516,780–1, Oct. 25; Serial No. 543,591–2, published June 21, 1949. Class 22.

Franklin Manufacturing Company, Inc., Brockton, Mass. Toy footballs and footballs. 516,782, Oct. 25; Serial No. 543,594, published June 21, 1949. Class 22.

Franklin Railway Supply Company, Wilmington, Del., and New York, N. Y. Car steam line connections, locomotive grate shakers, and locomotive fire doors. 516,703, Oct. 25; Serial No. 530,186, published June 29, 1948. Class 34.

Frill-O-Tex Products, Inc., New York, N. Y. Ruffings—lace and embroidery edgings, insertions. 517,019, Oct. 25; Serial No. 561,232. Class 40.

Frontier Chemical Company, Midland, Tex. Caustic soda, and muriatic acid. 516,916, Oct. 25; Serial No. 560,756, published July 26, 1949. Class 6.

Fruitvale Canning Company, Oakland, Calif. Canned fruits. 516,754, Oct. 25; Serial No. 540,661, published July 12, 1949. Class 46.

Fry, E. L., Products Company: *See*—
Hedenkamp, Walter D.

Fuchs, Georges, Ltd., New York, N. Y. Perfumery. 516,856, Oct. 25; Serial No. 553,096, published July 26, 1949. Class 6.

Gandrud, E. S.: *See*—
Gandrud, Ebenhard S.

Gandrud, Ebenhard S., doing business as E. S. Gandrud, Owatonna, Minn. Canvas pastry board. 516,710, Oct. 25; Serial No. 532,583, published July 12, 1949. Class 23.

Gate City Oil Co., to C. N. Hubbard, Kansas City, Mo. Non-explosive naphtha compound. 259,966, renewed Aug. 13, 1949. O. G. Oct. 25. Class 4.

Geigy Company, Inc., New York, N. Y. Dyes and dyestuffs. 516,870, Oct. 25; Serial No. 555,402, published July 12, 1949. Class 6.

General Implement Company of America, Inc., The, by General Implement Corporation, now by change of name General Implement Corporation of America, Cleveland, Ohio. Manure spreaders, hammer mills, lime spreaders, etc. 420,195, Apr. 2, 1946. Republished Oct. 25. Class 23.

General Implement Corporation: *See*—
General Implement Company of America, Inc., The.

General Implement Corporation of America: *See*—
General Implement Company of America, Inc., The.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 516,697, Oct. 25; Serial No. 527,060, published June 28, 1949. Class 22.

Gluck, Joseph, Fabrics, Inc., New York, N. Y. Rayon piece goods. 516,928, Oct. 25; Serial No. 562,138, published May 31, 1949. Class 42.

Godissart Products, Inc.: *See*—
Godissart & Pyles.

Godissart & Pyles, Hollywood, by Godissart Products, Inc., Los Angeles, Calif. Antiseptic, antitoxic, and deodorant products. 300,181, Jan. 10, 1933. Republished Oct. 25. Class 6.

Golden State Company, Ltd., San Francisco, Calif. Nonfat dry milk solids. 516,735, Oct. 25; Serial No. 538,399, published July 5, 1949. Class 46.

Goldenberg Candy Company: *See*—
Goldenberg, D., Inc.

Goldenberg, D., Inc., by Goldenberg Candy Company, Philadelphia, Pa. Candy. 312,417, Apr. 24, 1934. Republished Oct. 25. Class 46.

Goldmark, Adolph, & Sons, Corp., New York, N. Y. Canned sardines. 264,012, Nov. 12, 1929. Republished Oct. 25. Class 46.

Goodwill Shoe Company: *See*—
Williams, Arthur A.

Gordon Baking Co., Detroit, Mich. Bread, rolls, and coffee cakes. 516,686, Oct. 25; Serial No. 521,874, published July 5, 1949. Class 46.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Smoked herring. 516,770, Oct. 25; Serial No. 542,307, published July 5, 1949. Class 46.

Gotham Hosiery Company, Inc.: *See*—
Mission Hosiery Mills.

Goutine Chemical Co.: *See*—
Schwartz, Walter.

Grand Industries, Inc.: *See*—
Cleveland Cooperative Stove Company, The.

Grandjay, A., Canning Co.: *See*—
Thompson, Norberg.

Graphomatic Corporation, The: *See*—
Sager, Solmon M.

Gray & Company, Portland, Oreg. Cocktail cherries. 384,409, Jan. 21, 1941. Amended. O. G. Oct. 25. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Olive relish and uncoated white rice. 516,847, Oct. 25; Serial No. 551,709, published July 5, 1949. Class 46.

Great American Tea Company, The, New York, N. Y. Salt and celery mixture. 516,830, Oct. 25; Serial No. 550,689, published July 5, 1949. Class 46.

Great American Tea Company, The, New York, N. Y. Tapioca dessert mix. 516,835, Oct. 25; Serial No. 550,912, published July 5, 1949. Class 46.

Great American Tea Company, The, New York, N. Y. Preparation consisting of roasted rye, wheat, and chicory to be used for blending with coffee. 516,836, Oct. 25; Serial No. 550,914, published July 5, 1949. Class 46.

Great American Tea Company, The, New York, N. Y. Imitation vanilla food flavoring, cocoa, fruit cake mixture, and extracts for flavoring foods. 516,837, Oct. 25; Serial No. 550,918, published July 5, 1949. Class 46.

Griswold, Roger C., doing business as Braid-Aid Company, Kingston, Mass. Hand sewing needles. 516,960, Oct. 25; Serial No. 567,196, published June 28, 1949. Class 40.

Guerrero, Emil, doing business as Wilmington Fisheries, Wilmington, Calif. Canned tuna. 516,736, Oct. 25; Serial No 538,407, published July 12, 1949. Class 46.

Gutwillig, Victor, doing business as British Imports, New York, N. Y. Women's jackets, shirts, slacks, coats, etc. 516,995, Oct. 25; Serial No. 511,742. Class 39.

Hales & Hunter Co., Chicago, Ill. Poultry feeds. 516,743–4, Oct. 25; Serial Nos. 539,696–7, published July 12, 1949. Class 46.

Hamilton, Robert W., Inc., New York, N. Y. Fabrics. 516,939, Oct. 25; Serial No. 563,969, published July 19, 1949. Class 42.

Hammett, A. B.: *See*—
Harrington & Waring.

Handley, William C., assignee: *See*—
Coggin, William B., Inc.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. 516,716, Oct. 25; Serial No. 534,116, published June 21, 1949. Class 37.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils and colored pencils. 516,717, Oct. 25; Serial No. 534,117, published June 21, 1949. Class 37.

Harlem Furniture Company, New York, by The Buckley, Newhall Company, Brooklyn, N. Y. Beds, bookcases, buffets, etc. 108,699, Feb. 22, 1916. Republished Oct. 25. Class 32.

Harm, Marjorie L., Cleveland, Ohio. Children's educational handwork packets. 443,479, Oct. 25; Serial No. 511,328, published July 5, 1949. Class 22.

Harrington & Waring, New York, N. Y., by A. B. Hammett, Hollywood, Calif. Ladies', misses' and children's underwear. 275,021, Sept. 9, 1930. Republished Oct. 25. Class 39.

Harrower Laboratory, Inc., The, Glendale, Calif. Hemorrhoidal suppositories. 516,967, Oct. 25; Serial No. 568,373, published July 26, 1949. Class 6.

Hastings Signal & Equipment Co., Boston, Mass. Railroad signal warning devices. 516,683, Oct. 25; Serial No. 515,176, published July 26, 1949. Class 23.

Hedenkamp, Walter D., doing business as B. L. Fry Products Company, St. Louis, Mo. Game. 443,482, Oct. 25; Serial No. 514,199, published June 14, 1949. Class 22.

Hedstrom-Union Company, Finchburg, and Gardner, Mass. Children's velocipedes, scooters, pedal cars, etc. 517,013, Oct. 25; Serial No. 554,493. Class 22.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 443,489, Oct. 25; Serial No. 520,807, published Dec. 23, 1947. Class 42.

Heil, Edward S., doing business as Pas-Cal Company, assignor to L. C. Ward, Pasadena, Calif. Vitamin concentrates. 516,833, Oct. 25; Serial No. 550,807, published July 26, 1949. Class 6.

Heirloom Needlework Guild, Inc., New York, N. Y. Needles for making hooked rugs. 516,978, Oct. 25; Serial No. 570,558, published July 26, 1949. Class 40.

Heli-Coil Corporation: *See*—
Aircraft Screw Products Company, Inc.

Helsingborgs Gummifabriks Aktiebolag, Halsingborg, Sweden. Rubber balls, lawn tennis balls, and football bladders. 516,893, Oct. 25; Serial No. 557,843, published July 19, 1949. Class 22.

Hettrick Manufacturing Company, The, Toledo, Ohio. Velocipedes, children's scooters, children's bicycles. 516,706, Oct. 25; Serial No. 531,133, published July 12, 1949. Class 22.

Highland Industries, Inc., Denver, Colo. Metallic supports for garbage containers and the like. 516,853, Oct. 25; Serial No. 552,588, published July 19, 1949. Class 13.

Hofmann, Arthur C., doing business as Vanseme Laboratory, Brooklyn, N. Y. Ointment. 516,964, Oct. 25; Serial No. 568,309, published July 26, 1949. Class 6.

Holland-Rantos Company, Inc., New York, N. Y. Rubberized sheeting. 516,678, Oct. 25; Serial No. 509,847, published July 19, 1949. Class 42.

Holmes-Darst Coal Company, Cincinnati, Ohio, to Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 261,805, renewed Sept. 24, 1949. O. G. Oct. 25. Class 1.

Holmes-Darst Coal Corporation: *See*—
Holmes-Darst Coal Company.

Holsman, Max, doing business as Style-Art Handbags, New York, N. Y. Ladies' handbags. 516,689, Oct. 25; Serial No. 522,208, published June 21, 1949. Class 3.

Hornell Industries, Inc., Hornell, N. Y. Piece goods. 516,943, Oct. 25; Serial No. 564,511, published July 19, 1949. Class 42.

Hubbard, C. N.: *See*—
Gate City Oil Co.

Hughes, Fawcett, Inc., New York, N. Y. Shoe laces and narrow elastic. 516,985, Oct. 25; Serial No. 571,274, published July 26, 1949. Class 40.

Hygrade Food Products Corporation, New York, N. Y. Lard. 516,799, Oct. 25; Serial No. 545,375, published July 5, 1949. Class 46.

Hyster Company, Portland, Oreg. Mobile cranes. 443,470, Oct. 25; Serial No. 474,078, published July 31, 1945. Class 23.

Ibex Chemical Company: *See*—
Kutzer, Mathew M., Jr.

Illinois American Plow Company: *See*—
Moline Plow Company.

Illinois Pure Aluminum Company, Lemont, Ill. Aluminum cooking utensils. 516,862, Oct. 25; Serial No. 554,118, published July 19, 1949. Class 13.

Independent Cordage Co., Inc., New York, N. Y. Cordage rope, cord and twine. 322,576, Mar. 12, 1935. Republished Oct. 25, 1949. Class 7.

Independent Grocers Alliance Distributing Co.: *See*—
Oostburg Canning Co.

Independent Grocers Alliance Distributing Co., Chicago, Ill. Egg cartons and market baskets. 260,851, renewed Aug. 27, 1949. O. G. Oct. 25. Class 2.

Independent Grocers Alliance Distributing Co., Chicago, Ill. Wrapping paper, waxed paper. 516,996, Oct. 25; Serial No. 511,998. Class 37.

Inecto Inc., to Sales Affiliates, Inc., New York, N. Y. Hair dye. 256,335, renewed May 14, 1949. O. G. Oct. 25. Class 6.

International Camera Company, Chicago, Ill. Still cameras, lenses for cameras, photographic film. 516,988, Oct. 25; Serial No. 577,556, published June 21, 1949 Class 26.

International Cellucotton Products Company: *See*—
Kotex Company.

International Harvester Company: *See*—
International Harvester Company of America.

International Harvester Company of America, to International Harvester Company, Chicago, Ill. Internal-combustion engines, tractors, hay-presses, etc. 76,118, re-renewed Dec. 14, 1949. O. G. Oct. 25. Class 23.

Jameson, Russell, doing business as Bridgeport Tool Company, Saginaw, Mich. Gaff hooks, frog spears, ice spuds and fish spears. 516,526, Oct. 25; Serial No. 549,934, published July 5, 1949. Class 22.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 516,669, Oct. 25; Serial No. 486,781, published July 5, 1949. Class 46.

Joannes Brothers Company, Green Bay, Wis. Canned apricots, applesauce, spiced crab apples, blackberries, etc. 516,708, Oct. 25; Serial No. 531,916, published July 5, 1949. Class 46.

Joell Manufacturing Co.: *See*—
Menschik, Murray.

Johnson, Char'es T., assignee: *See*—
Asbell, Mellege S.

Jones, E. D., & Sons Company, Pittsfield, Mass. Jordan engines. 516,673. Oct. 25; Serial No. 506,322, published July 26, 1949. Class 23.

Jones, Walter H., doing business as Lakeshore Products, Seattle, Wash. Glaziers' points. 516,841, Oct. 25; Serial No. 551,282, published July 19, 1949. Class 15.

Journal Publishing Co., Inc., The, Belfast, Maine. Monthly publication. 516,990, Oct. 25; Serial No. 507,405. Class 38.

Junior Literary Guild, Inc., The, to The Literary Guild of America, Inc., New York, N. Y. Printed books. 258,821, July 16, 1929. New certificate. O. G. Oct. 25. Class 38.

Kaitz, Anna C., doing business as American Proprietaries, Philadelphia, Pa. Preparations for the treatment of dandruff, falling hair and itching scalp. 516,896, Oct. 25; Serial No. 558,035, published July 26, 1949. Class 6.

Karpen, S., & Bros., Chicago, Ill. Mattresses. 516,865, Oct. 25; Serial No. 554,676, published July 5, 1949. Class 32.

Kellogg, Spencer and Sons, Inc., Buffalo, N. Y. Edible soy flour. 516,811, Oct. 25; Serial No. 546,881, published July 5, 1949. Class 46.

Kemart Corporation, San Francisco, Calif. Specially treated and prepared fluorescent drawing papers and illustration board. 516,863, Oct. 25; Serial No. 554,124, published July 5, 1949. Class 37.

Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Blanket bags, garment bags, and food bags. 440,912, Oct. 12, 1948. Republished Oct. 25. Class 2.

Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Protective plastic covers. 516,838, Oct. 25; Serial No. 551,109, published July 5, 1949. Class 50.

Kennerly, H. B., & Son, Nanticoke, Md. Canned tuna fish. 516,876, Oct. 25; Serial No. 556,105, published July 12, 1949. Class 46.

Kleinert, I. B., Rubber Company, New York, N. Y. Shoulder straps. 264,962, renewed Dec. 10, 1949. O. G. Oct. 25. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Women's and misses' undergarments. 517,026, Oct. 25; Serial No. 565,554. Class 39.

Knapp-Monarch Company, by Knapp-Monarch Company, St. Louis, Mo. Electric cord sets or terminal plugs. 339,581, Oct. 13, 1936. Republished Oct. 25. Class 21.

Koh-I-Noor Spojené Kovoprumyslové Závody Národní Podnik: *See*—
Dittmayer, Hans, & Co.

Koh-I-Noor, Unitted Metalware Factories: *See*—
Dittmayer, Hans, & Co.

Kohnstamm, H., & Co., Inc., New York, N. Y. Launderer's materials. 516,950. Oct. 25; Serial No. 565,558, published July 26, 1949. Class 6.

Kohnstamm, H., & Co., Inc., New York, N. Y. Alkali neutralizing compounds. 516,951, Oct. 25; Serial No. 565,564, published July 26, 1949. Class 6.

Kokomo Sanitary Pottery Corporation, Chicago, Ill., and Kokomo, Ind. Vitreous china water closets, tanks, and bowls. 516,769, Oct. 25; Serial No. 541,935, published July 19, 1949. Class 13.

Kores Carbon Paper & Ribbons Mfg. Corporation, New York, N. Y. Carbon paper and typewriter ribbons. 516,932, Oct. 25; Serial No. 563,197, published July 26, 1949. Class 11.

Kotex Company, to International Cellucotton Products Company, Chicago, Ill. Sanitary belts. 265,413, renewed Dec. 24, 1949. O. G. Oct. 25. Class 44.

Krueger, Richard G., Incorporated, New York, N. Y. Stuffed toys. 516,884, Oct. 25; Serial No. 557,048, published June 14, 1949. Class 22.

Kurts Bros., Clearfield, Pa. Tablets, practice paper, blanks, etc. 219,420, Oct. 19, 1926. Republished Oct. 25. Class 37.

Kutzer, Mathew M., Jr., doing business as Ibex Chemical Company, Chicago, Ill. Preparations for the purification and/or treatment of water and other aqueous liquids. 516,871, Oct. 25; Serial No. 555,417, published July 26, 1949. Class 6.

Kwik Work Fire Appliance Company, Oklahoma City, Okla. Dry chemical fire extinguishers. 516,952, Oct. 25; Serial No. 565,707, published July 26, 1949. Class 6.

Lacrinoid Products Limited, Gildea Park, England. Buttons. 516,858, Oct. 25; Serial No. 553,383, published July 5, 1949. Class 40.

Lactona Incorporated, St. Paul, Minn. Hair brushes, hair brush sets, and hair brush handles. 443,492, Oct. 25; Serial No. 521,900, published June 1, 1948. Class 29.

Lakeshore Products: *See*—
Jones, Walter H.

Lamont, Corliss & Company: *See*—
Nestlé and Anglo, Swiss Condensed Milk Co.

Lamson & Sessions Co., The, Cleveland, Ohio. Merchandising cabinets. 516,760, Oct. 25; Serial No. 541,149, published June 28, 1949. Class 32.

Lanca Handbags Corporation, Batavia, N. Y. Women's handbags. 516,980, Oct. 25; Serial No. 570,619, published June 21, 1949. Class 3.

Langrock, D. T., Inc., by D. T. Langrock, New Haven, Conn. Men's sack coats, cutaway coats, full dress suits, etc. 190,197, Oct. 7, 1924. Republished Oct. 25. Class 39.

Langrock, David T.: *See*—
Langrock, D. T., Inc.

La Primadora Cigar Corporation: *See*—
Schwarz, Max, Manufacturer La Primadora Havana Cigars, Ltd.

Laymon, Herman B., doing business as World Product Company, Spencer, Ind. Sun glare goggles. 516,929, Oct. 25; Serial No. 562,785, published June 21, 1949. Class 26.

Layton-Grossman, Inc., New York, N. Y. Woven piece goods. 517,015, Oct. 25; Serial No. 557,758. Class 42.

Lee Paper Company, Vicksburg, Mich. Bond paper. 516,883, Oct. 25; Serial No. 556,899, published June 21, 1949. Class 37.

Leon, I., Co., Inc., The, Massapequa, N. Y. Curl clips. 516,957, Oct. 25; Serial No. 566,985, published July 26, 1949. Class 40.

Leppla-Pratt Produce Distributors, Incorporated, Phoenix, Ariz. Fresh citrus fruits. 516,789, Oct. 25; Serial No. 544,354, published July 12, 1949. Class 46.

Leppla-Pratt Produce Distributors, Incorporated, Phoenix, Ariz. Fresh citrus fruits. 516,790, Oct. 25; Serial No. 544,356, published July 12, 1949. Class 46.

Leslie Textiles, Inc., New York, N. Y. Window curtains and draperies. 516,857, Oct. 25; Serial No. 553,117, published July 5, 1949. Class 42.

Librett, Norman, Inc., New Rochelle, N. Y. Braided cordage. 516,963. Oct. 25; Serial No. 568,204, published June 28, 1949. Class 7.

Linen Thread Co., Inc., The: *See*—
American Net & Twine Company.

Lion Chemical Company, Chicago, Ill. Automobile radiator cooling system cleaner, etc. 516,953, Oct. 25; Serial No. 565,838, published July 26, 1949. Class 6.

Literary Guild of America, Inc., The: *See*—
Junior Literary Guild, Inc., The.

Lodge and Shipley Company, The, Cincinnati, Ohio. Lathes and screw machines, attachments, and parts thereof. 516,698. Oct. 25; Serial No. 524,804, published July 26, 1949. Class 23.

Lonsdale Company, Providence, R. I. Textile fabrics. 516,816, Oct. 25; Serial No. 547,922, published July 5, 1949. Class 42.

Lord, Charles E., Hornell, N. Y. Candles. 516,817, Oct. 25; Serial No. 547,923, published July 5, 1949. Class 46.

Lorillard, P., Company, New York, N. Y. Smoking and chewing tobacco. 516,727, Oct. 25; Serial No. 536,917, published Apr. 20, 1948. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarette tobacco. 516,933, Oct. 25; Serial No. 563,351, published July 19, 1949. Class 17.

Lowrie, Virgil L., Fort Worth, Tex. Casting and fishing floats. 516,823, Oct. 25; Serial No. 549,265, published July 5, 1949. Class 22.

Ludlow Manufacturing & Sales Co., Boston, Mass. Twine. 516,915, Oct. 25; Serial No. 560,713, published June 28, 1949. Class 7.

Lutz, Max, Nampa, Idaho. Fresh vegetables. 516,810, Oct. 25; Serial No. 546,714, published May 10, 1949. Class 46.

Lyon Metal Products, Incorporated, Aurora, Ill. Fasteners for shelf dividers and the like. 260,791, renewed Aug. 27, 1949. O. G. Oct. 25. Class 13.

Magneswitch, Inc., Chicago, Ill. Clasp. 516,947, Oct. 25; Serial No. 565,349, published July 26, 1949. Class 40.

Mainser Minton Co., Inc., New York, N. Y. Textile fabrics in the piece. 516,720, Oct. 25; Serial No. 534,795, published Nov. 2, 1948. Class 42.

Manchester Biscuit Division: *See*—
United Biscuit Company of America.

Manhattan Shirt Company, The, New York, N. Y. Knit underwear and cut and sewn underwear, etc. 258,030, June 25, 1929. Republished Oct. 25. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Negligee and sport shirts. 263,758, Nov. 12, 1929. Republished Oct. 25. Class 39.

Maples, Lalla, Granville, N. Y. Card game. 516,885, Oct. 25; Serial No. 557,057, published June 14, 1949. Class 22.

Marble Arms & Mfg. Company, Glasstone, Mich. Compasses. 516,898, Oct. 25; Serial No. 558,150, published June 28, 1949. Class 26.

Mark, Clayton, & Company, Evanston, Ill. Unions for connecting pipes or rods, and union check valves. 420,802, May 7, 1946. Republished Oct. 25. Class 13.

Marvin, W. H., Company, The, Urbana, Ohio. Mince meat, currants, dates, and prepared fruit pectin. 516,800, Oct. 25; Serial No. 545,381, published July 5, 1949. Class 46.

Maryland Biscuit Company, The, Baltimore, Md. Wheat wafers or crackers. 443,501, Oct. 25; Serial No. 525,897, published July 5, 1949. Class 46.

Maryon Hosiery Mill, assignor to Maryon Hosiery Mill, Inc., by Maryon Hosiery Mill, Inc., Carrollton, Ga. Men's and children's hosiery. 552,788, May 31, 1949. Republished Oct. 25. Class 39.

Maryon Hosiery Mill, Inc.: *See*—
Maryon Hosiery Mill.

Matthew, Theodore, doing business as Dried Fruit Specialties, San Francisco, Calif. Dried fruits. 516,849, Oct. 25; Serial No. 552,157, published July 5, 1949. Class 46.

McAfee Candy Co., Inc., Macon, Ga. Candy bars. 516,755, Oct. 25; Serial No. 540,688, published June 14, 1949. Class 46.

McDuffie, William C., as receiver in equity for Richfield Oil Company of California, by Richfield Oil Corporation, Los Angeles, Calif. Petroleum and products of petroleum. 332,874, Mar. 3, 1936. Republished Oct. 25. Class 15.

Medalist Co., Inc., Passaic, N. J. Tobacco products. 516,892, Oct. 25; Serial No. 557,760, published July 19, 1949. Class 17.

Medart Company, The: *See*—
Medart, Fred, Manufacturing Company.

Medart, Fred, Manufacturing Company, assignor to The Medart Company, St. Louis, Mo. Abdominal stools, adjustable hurdles, back-stands, etc. 516,704, Oct. 25; Serial No. 530,947, published July 5, 1949. Class 22.

Melchior, Armstrong, Dessar Co. of Delaware, Inc., Ridgefield, N. J. Air-conditioning units; heating coil; air fans, etc. 516,691–2, Oct. 25; Serial Nos. 524,552–3, published July 26, 1949. Class 34.

Menschik, Murray, doing business as Joell Manufacturing Co., Brooklyn, N. Y. Leather goods. 516,959, Oct. 25; Serial No. 567,029, published June 28, 1949. Class 3.

Mergott, J. E., Co., The, Newark, N. J. Bag frames, purse frames, and pocketbook frames. 516,763, Oct. 25; Serial No. 541,378, published July 26, 1949. Class 3.

Metal Ware Corporation, The, Two Rivers, Wis. Children's toys. 516,687, Oct. 25; Serial No. 522,202, published July 12, 1949. Class 22.

Metal Ware Corporation, The, Two Rivers, Wis. Toys. 516,688, Oct. 25; Serial No. 522,204, published July 5, 1949. Class 22.

Metrotex, Inc.: *See*—
Vivatex Processes, Inc.

Meyer, M. J. & H. J., Co. Inc., Brooklyn, N. Y. Canned sardines. 516,831, Oct. 25; Serial No. 550,715, published July 5, 1949. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania paper. 516,792, Oct. 25; Serial No. 544,641, published June 21, 1949. Class 37.

Mid-West Producers' Creameries, Inc., South Bend, Ind. Butter. 332,774, Feb. 25, 1936. Republished Oct. 25. Class 46.

Millberg Company: *See*—
Millberg, Harry L.

Millberg, Harry L., doing business as Millberg Company, Minneapolis, Minn. Portable metal railings. 516,777, Oct. 25; Serial No. 543,313 published July 26, 1949. Class 13.

Minneapolis-Moline Company: *See*—
Minneapolis-Moline Power Implement Company.
Moline Plow Company.
Moline Plow Company, Incorporated.

Minneapolis-Moline Power Implement Company, by Minneapolis-Moline Company, Hopkins, Minn. Hammer mills. 293,653, May 3, 1932. Republished Oct. 25. Class 23.

Minute Grill of Charlotte, N. C., Inc. Charlotte, N. C. Fried chicken. 516,677, Oct. 25; Serial No. 509,716, published July 5, 1949. Class 46.

Mission Hosiery Mills, Los Angeles, Calif., to Gotham Hosiery Company, Inc., New York, N. Y. Stockings. 265,447, renewed Dec. 24, 1949. O. G. Oct. 25. Class 39.

Mitchell Canneries, Inc., Ft. Meade, Fla., and Thomasville, Ga. Canned fruits, canned vegetables, and canned citrus fruit juices. 516,724, Oct. 25; Serial No. 536,270, published July 12, 1949. Class 46.

Mobile Press Publishing Company, The, by The Mobile Press Register, Inc., Mobile, Ala. Daily newspaper. 261,348, Sept. 17, 1929. Republished Oct. 25. Class 38.

Mobile Press Register, Inc., The: *See*—
Mobile Press Publishing Company, The.

Modell, Henry, & Co., Inc., New York, N. Y. Gymnasium apparatus. 516,761, Oct. 25; Serial No. 541,158, published July 5, 1949. Class 22.

Modern Tufting Co.: *See*—
Williams, Willie V.

Modglin Company, Inc., Los Angeles, Calif. Brooms. 516,902, Oct. 25; Serial No. 558,575, published July 26, 1949. Class 29.

Moline Plow Company, now by change of name Illinois-American Plow Company, assignor to Moline Plow Company, Incorporated, Moline, Ill., by Minneapolis-Moline Company, Hopkins, Minn. Plows. 162,830, Dec. 26, 1922. Republished Oct. 25. Class 23.

Moline Plow Company, Incorporated: *See*—
Moline Plow Company.

Moline Plow Company, Incorporated, Moline, Ill., by Minneapolis-Moline Company, Hopkins, Minn. Devices for carrying agricultural tools and connecting them to tractors, etc. 171,596, Aug. 7, 1923. Republished Oct. 25. Class 23.

Monarch Chenilles, Incorporated, Dalton, Ga. Textile rugs, bedspreads, automobile robes, and bath mat sets. 516,894, Oct. 25; Serial No. 557,859, published July 19, 1949. Class 42.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 516,890, Oct. 25; Serial No. 557,551, published July 26, 1949. Class 6.

Moore, William N., by Elephant Orchards, Redlands Calif. Fresh citrus fruits. 77,133, Mar. 15, 1910. Republished Oct. 25. Class 46.

Morrell, John, & Company: *See*—
Morrell, John, & Company, Limited.

Morrell, John, & Company, Limited, Liverpool, England, and Ottumwa, Iowa, to John Morrell & Company, Ottumwa, Iowa. Breakfast-bacon. 75,085, re-renewed Aug. 31, 1949. O. G. Oct. 25. Class 46.

Moto-Mower Company, The, Detroit, Mich. Lawn mowers. 516,766, Oct. 25; Serial No. 541,734, published July 26, 1949. Class 23.

Motor Wheel Corporation, Lansing, Mich. Gas burners. 516,925, Oct. 25; Serial No. 561,844, published June 28, 1949. Class 34.

Mounties, Inc., Boston, Mass. Parcel post sets. 517,008, Oct. 25; Serial No. 537,606. Class 50.

Mousley, George E., Inc., New York, N. Y. Inflatable balls. 516,872, Oct. 25; Serial No. 555,552, published June 21, 1949. Class 22.

Multicore Solders Limited, London, England. Fluxes. 502,599, Oct. 5, 1948. Corrected. O. G. Oct. 25. Class 6.

Nancy Ann Dressed Dolls, assignor to Nancy Ann Storybook Dolls Inc., San Francisco, Calif. Dolls and dolls' clothes. 443,469, Oct. 25; Serial No. 471,710, published Aug. 22, 1949. Class 22.

Nancy Ann Storybook Dolls Inc.: *See*—
Nancy Ann Dressed Dolls.

Narmco Inc., San Diego, Calif. Fishing rods. 517,012, Oct. 25; Serial No. 552,685. Class 22.

Nascon Products, Inc.: *See*—
Nascon Service, Inc.

Nascon Service, Inc., New York, N. Y., by Nascon Products, Inc., Pittsfield, Mass. Calendar books and memorandum books. 338,598, Sept. 8, 1936. Republished Oct. 25. Class 37.

Nash, Inc., Jersey City, N. J. Bill folds, pocket books, purses and wallets. 516,983, Oct. 25; Serial No. 570,981, published July 26, 1949. Class 3.

Nash, Inc., Jersey City, N. J. Bill folds, pocket books, purses and wallets. 516,986, Oct. 25; Serial No. 571,286, published July 26, 1949. Class 3.

National Acme Company, The: *See*—
National-Acme Mfg. Co., The.

National-Acme Mfg. Co., The, to The National Acme Company, Cleveland, Ohio. Catalogues, circulars, and pamphlets. 73,868, re-renewed May 25, 1949. O. G. Oct. 25. Class 38.

National Blank Book Company, Holyoke, Mass. Loose leaf post binders. 516,802, Oct. 25; Serial No. 546,016, published July 12, 1949. Class 37.

National Carbon Company, Inc., New York, N. Y. Antifreeze testers. 516,924, Oct. 25; Serial No. 561,762, published June 21, 1949. Class 26.

National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. 516,806, Oct. 25; Serial No. 546,412, published June 28, 1949. Class 34.

National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. 516,808, Oct. 25; Serial No. 546,594, published June 21, 1949. Class 34.

National Cylinder Gas Company, Chicago, Ill. Compressed industrial gases. 516,879, Oct. 25; Serial No. 556,361, published July 26, 1949. Class 6.

National Cylinder Gas Company, Chicago, Ill. Nozzle elements. 516,901, Oct. 25; Serial No. 558,502, published July 26, 1949. Class 13.

National Machine Products Company, Detroit, Mich. Lock nuts. 443,500, Oct. 25; Serial No. 525,658, published July 26, 1949. Class 13.

National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. 516,783, Oct. 25; Serial No. 543,974, published Nov. 16, 1948. Class 42.

National Steel Construction Co., Seattle, Wash. Range boilers. 516,801, Oct. 25; Serial No. 545,755, published June 21, 1949. Class 34.

Navesin Laboratory: *See*—
Povaloski, Fred J.

Neenah Paper Company, Neenah, Wis. Bond, ledger writing, map, book, index, and onionskin paper, boxed stationery, tablets, and manuscript cover. 516,829, Oct. 25; Serial No. 550,543, published July 19, 1949. Class 37.

Neisner Brothers, Inc., Rochester, N. Y. Hosiery. 257,563, renewed June 11, 1949. O. G. Oct. 25. Class 39.

Neisner Brothers, Inc., Rochester, N. Y. Hosiery. 259,687, renewed Aug. 6, 1949. O. G. Oct. 25. Class 39.

Neisner Brothers, Inc., Rochester, N. Y. Hosiery. 259,853, renewed Aug. 13, 1949. O. G. Oct. 25. Class 39.

Nestlé and Anglo, Swiss Condensed Milk Co., Cham and Vevey, Switzerland, and London, England, to Lamont, Corliss & Company, New York, N. Y. Swiss milk chocolate. 74,832, re-renewed Aug. 10, 1949. O. G. Oct. 25. Class 46.

New York Lubricating Oil Company, New York, N. Y., by The California Oil Company, Barber, N. J. Lubricating greases and lubricating oils. 272,884, July 15, 1930. Republished Oct. 25. Class 15.

Nierenberg, Harry J.: *See*—
Nierenberg, Moses B.

Nierenberg, Moses B., doing business as Dundee Knitting Mills, by Harry J. Nierenberg, doing business as Dundee Knitwear Co., New York, N. Y. Men's, women's, and children's knitted sweaters; knitted coats, knitted bath suits; etc. 313,636, June 5, 1934. Republished Oct. 25. Class 39.

Nolan, Mary, Inc., New York, N. Y. Cosmetics and toilet preparations. 516,715, Oct. 25; Serial No. 533,680, published July 26, 1949. Class 6.

Northam Warren Corporation, Stamford, Conn. Nail polish, cuticle remover, polish remover, etc. 517,029, Oct. 25; Serial No. 568,208. Class 6.

Novelty Slipper Co., Inc.: *See*—
Wilhelm, Herman.

Nuodex Products Co., Inc., Elizabeth, N. J. Mildewproofing, mothproofing, insecticidal and fungicidal composition. 516,938, Oct. 25; Serial No. 563,868, published July 26, 1949. Class 6.

Oak Rubber Company, The, Ravenna, Ohio. Toy balloon animals. 516,873, Oct. 25; Serial No. 555,689, published June 21, 1949. Class 22.

Oakite Products, Inc., New York, N. Y. Preparations having cleansing, detergent, and water-softening qualities. 258,889, renewed July 16, 1949. O. G. Oct. 25. Class 4.

Oakite Products, Inc., New York, N. Y. Non-saponaceous cleaning preparation. 423,866, Sept. 16, 1947. Republished Oct. 25. Class 4.

O-Cedar Corp'n, Chicago, Ill. Dust mops. 516,767, Oct. 25; Serial No. 541,770, published July 26, 1949. Class 29.

O-Cedar Corp'n, Chicago, Ill. Dust mops. 516,768, Oct. 25; Serial No. 541,772, published July 26, 1949. Class 29.

Oil Color Litho Company, Chicago, Ill. Decalcomania transfers. 516,981, Oct. 25; Serial No. 570,627, published July 26, 1949. Class 40.

Old Ben Coal Corporation, Chicago, Ill. Coal. 258,733, renewed July 16, 1949. O. G. Oct. 25. Class 1.

Oostburg Canning Co., Oostburg, Wis., assignor to Independent Grocers' Alliance Distributing Co., to Independent Grocers Alliance Distributing Co., Chicago, Ill. Canned vegetables. 256,530, renewed May 21, 1949. O. G. Oct. 25. Class 46.

Osage Produce Company, Los Angeles, Calif. Fresh vegetables and fresh deciduous fruits. 401,423, May 18, 1943. Republished Oct. 25. Class 46.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors and parts. 516,807, Oct. 25; Serial No. 546,421, published July 26, 1949. Class 23.

Owens Brush Company, Toledo, Ohio. Toothbrushes. 517,028, Oct. 25; Serial No. 566,540. Class 29.

Pacific Wire Products Corporation, also doing business as Aircraft Containers Co., and also operating as Durablit Manufacturing Company, Los Angeles, Calif. Pull toys. 443,473, Oct. 25; Serial No. 494,861, published June 21, 1949. Class 22.

Page, L. C., & Company, by L. C. Page & Company, Boston, Mass. Books. 47,473, Nov. 7, 1905. Republished Oct. 25. Class 38.

Page Metal Products Corp., Denver, Colo. Irrigation control gates. 516,864, Oct. 25; Serial No. 554,400, published July 26, 1949. Class 13.

Par Avion, San Francisco, Calif. Pocketbooks, wallets, billfolds, etc. 443,487, Oct. 25; Serial No. 518,337, published July 12, 1949. Class 3.

Parkinson Le Court Co., Inc., New York, N. Y. Perfumes and toilet waters. 516,731, Oct. 25; Serial No. 538,162, published July 26, 1949. Class 6.

Pas-Cal Company: *See*—
Heil, Edward S.

Peavey, F. H., & Company, Minneapolis, Minn. Feeds for livestocks and poultry. 516,690, Oct. 25; Serial No. 523,859, published July 5, 1949. Class 46.

Perey Manufacturing Company, Inc., New York, N. Y. Turnstiles and like passage-controlling gates. 312,729, May 8, 1934. Republished Oct. 25. Class 23.

Perey Manufacturing Company, Inc., New York, N. Y. Counting and recording turnstiles and like passage-controlling barriers of the rotary type. 314,069, June 19, 1934. Republished Oct. 25. Class 26.

Perkins, T. D., doing business as Ace Products Co., San Diego, Calif. Cleansing liquid. 281,553, Mar. 24, 1931. Republished Oct. 25. Class 4.

Perkins, T. D., doing business as Ace Drug Co., San Diego, Calif. Mineral oil, quinine, peroxide of hydrogen, etc. 303,560, May 30, 1933. Republished Oct. 25. Class 6.

Phillips, A. W., Limited, Nuneaton, England. Lawn tennis balls. 323,621, Apr. 23, 1935. Republished Oct. 25. Class 22.

Phillips-Jones Corporation, New York, N. Y. Men's negligee shirts and knitted and netted underwear. 259,779–80, renewed Aug. 6, 1949. O. G. Oct. 25. Class 39.

Plaubert, Jeanne, Paris, France. Perfumes, face powders, lipsticks. 516,919, Oct. 25; Serial No. 561,037, published July 26, 1949. Class 6.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Prepared flour for doughnuts and cakes. 317,965, Oct. 9, 1934. Republished Oct. 25. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 334,192, Apr. 21, 1936. Republished Oct. 25. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Prepared mixture for the making of cakes, rolls, doughnuts, etc. 370,115, Aug. 15, 1939. Republished Oct. 25. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Plexon, Inc., New York, N. Y. Thread coated with cellulosic material. 516,756, Oct. 25; Serial No. 540,708, published July 26, 1949. Class 43.

Ployhar and Heidt Company, The, County of Napa, Calif. Hair cream and shampoo. 516,920, Oct. 25; Serial No. 561,038, published July 26, 1949. Class 6.

Plymouth Cordage Company, Plymouth and North Plymouth, Mass. Baler twines and binder twines. 516,974, Oct. 25; Serial No. 569,716, published July 26, 1949. Class 7.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Towels and wash cloths. 516,992, Oct. 25; Serial No. 509,451. Class 42.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Window curtains, table cloths, table scarves, etc. 516,993, Oct. 25; Serial No. 509,456. Class 42.

Pohl, Alois M., doing business as Excelsior Machine Company, Reading, Pa. Combined cooling and dispensing units and parts thereof. 443,474, Oct. 25; Serial No. 499,074, published July 12, 1949. Class 23.

Poloron Products, Inc., New Rochelle, N. Y. Coasting vehicle. 516,825, Oct. 25; Serial No. 549,752, published June 21, 1949. Class 22.

Poultry Producers of Central California, San Francisco, Calif. Fresh eggs. 516,813, Oct. 25; Serial No. 547,572, published July 5, 1949. Class 46.

Povaloski, Fred J., doing business as Navesin Laboratory, Stevens Point, Wis. Ointment. 443,495, Oct. 25; Serial No. 522,711, published July 26, 1949. Class 6.

Practical Products Company, Minneapolis, Minn. Liquid solvent and cleaner. 442,848, June 7, 1949. Republished Oct. 25. Class 4.

Pratt-Low Preserving Co., Santa Clara, Calif. Canned fruits and vegetables. 443,494, Oct. 25; Serial No. 522,478, published May 31, 1949. Class 46.

Prince Gardner Company, St. Louis, Mo. Leather suit and traveling bags, fitted over night bags, etc. 516,773, Oct. 25; Serial No. 542,652, published June 21, 1949. Class 3.

Quaker Maid Company, Inc., The, New York, N. Y. Honey, apple sauce, olive oil, etc. 516,745, Oct. 25; Serial No. 539,899, published July 12, 1949. Class 46.

Rappaport, Abraham L., doing business as Rapphel Jewelers, New York, N. Y. Jewelry. 517,030, Oct. 25; Serial No. 573,973. Class 28.

Rapphel Jewelers: *See*—
Rappaport, Abraham L.

Rare Chemicals, Inc., Harrison, N. J. Hormone preparations. 516,859, Oct. 25; Serial No. 553,744, published July 26, 1949. Class 6.

Rare Recipes, Pine Plains, N. Y. French dressing. 516,737, Oct. 25; Serial No. 538,594, published July 5, 1949. Class 46.

Ratti, Giuseppe, Corino, Italy. Spectacles, spectacle frames, spectacle glasses, etc. 516,937, Oct. 25; Serial No. 563,753 published June 21, 1949. Class 26.

Rau Fastener Company, Providence, R. I. Snap buckles. 516,714, Oct. 25; Serial No. 533,201, published July 19, 1949. Class 40.

Rawson Electrical Instrument Company, Cambridge, Mass. Electric meters. 256,542, May 21, 1929. Republished Oct. 25. Class 26.

Reblan Co., The: *See*—
Blanchard, Ralph E.

Redlands Select Groves, Redlands, Calif. Fresh citrus fruits. 516,842, Oct. 25; Serial No. 551,312, published July 5, 1949. Class 46.

Regency Products, Inc.: *See*—
Auto Fabrics Corporation.

Regina Cigar Company: *See*—
Regina Cigar Co. Inc.

Regina Cigar Co., Inc., doing business as Regina Cigar Company, Philadelphia, Pa. Cigars. 516,721–2, Oct. 25; Serial Nos. 535,352–3, published July 5, 1949. Class 17.

Republic Stamping & Enameling Company, The, Canton, Ohio. Base metal cooking, kitchen, household, and hospital ware. 443,485, Oct. 25; Serial No. 517,662, published July 26, 1949. Class 13.

Republic Steel Corporation: *See*—
Central Alloy Steel Corporation.

Rhode Island Textile Company, Pawtucket, R. I. Shoe laces. 516,982, Oct. 25; Serial No. 570,639, published June 21, 1949. Class 40.

Richardson Corporation, Rochester, N. Y. Maltless soft drinks, and drinks, syrup used in making maltless soft drinks, concentrated syrup used in making maltless soft drinks. 517,001, Oct. 25; Serial No. 522,418. Class 45.

Richfield Oil Company, by Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils. 203,664, Sept. 22, 1925. Republished Oct. 25. Class 15.

Richfield Oil Company of California: *See*—
McDuffie, William C., receiver.

Richfield Oil Company of California, by Richfield Oil Corporation, Los Angeles, Calif. Lubricating oils or greases or compounds thereof. 275,745, Sept. 30, 1930. Republished Oct. 25. Class 15.

Richfield Oil Company of California, by Richfield Oil Corporation, Los Angeles, Calif. Asphalt. 276,500, Oct. 21, 1930. Republished Oct. 25. Class 12.

Richfield Oil Company of California, by Richfield Oil Corporation, Los Angeles, Calif. Road-dressing oil. 276,773, Oct. 28, 1930. Republished Oct. 25. Class 15.

Richfield Oil Corporation: *See*—
McDuffie, William C., receiver.
Richfield Oil Company.
Richfield Oil Company of California.

Richfield Oil Corporation, Los Angeles, Calif. Gasoline, lubricating oils, lubricating greases, stove fuel oil, etc. 385,305, Feb. 25, 1941. Republished Oct. 25. Class 15.

Robert: *See*—
Robert Enterprises, Inc.

Robert Enterprises, Inc., also doing business as Robert, New York, N. Y. Shampoo. 258,552, renewed July 9, 1949. O. G. Oct. 25. Class 6.

Robinson & Golluber, Inc., New York, N. Y. Cotton piece goods. 516,922, Oct. 25; Serial No. 561,401, published July 12, 1949. Class 42.

Rockwood & Co., Brooklyn, N. Y. Cocoa. 443,471, Oct. 25; Serial No. 483,631, published July 5, 1949. Class 46.

Roe, William G., by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus and deciduous fruits. 172,065, Aug. 21, 1923. Republished Oct. 25. Class 46.

Roe, William G., by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 173,710, Oct. 2, 1923. Republished Oct. 25. Class 46.

Roe, William G., by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 177,883, Jan. 1, 1924. Republished Oct. 25. Class 46.

Roe, William G., by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 188,274, Aug. 19, 1924. Republished Oct. 25. Class 46.

Roe, Wm. G., & Company, Inc., by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 294,860, June 7, 1932. Republished Oct. 25. Class 46.

Roe, Wm. G., & Sons: *See*—
Roe, William G.
Roe, Wm. G., & Company, Inc.
Winter Haven Fruit Sales Corporation.
Winterhaven Fruit Sales Corporation.

Rohrlich, Edith, New York, N. Y. Eye glass cases. 516,785, Oct. 25; Serial No. 544,114, published June 21, 1949. Class 26.

Rokwell Industries, Inc., Clayton, Mo. Packaged materials to be used in the construction of toy model aircraft and other toys. 443,493, Oct. 25; Serial No. 522,372, published June 28, 1949. Class 22.

Romero Drug Co.: *See*—
Asbell, Mellege S.

Romero Drug Company: *See*—
Asbell, Mellege S.

Root, C. J., Company, The, Bristol, to Veeder-Root Incorporated, Hartford, Conn. Counting-machines. 74,890, re-renewed Aug. 17, 1949. O. G. Oct. 25. Class 26.

Rotary Lift Company, Memphis, Tenn. Non-electric freight and passenger elevators and automobile, bus, truck, and freight lifts. 395,070, May 12, 1942. Republished Oct. 25. Class 23.

Rotary Lift Company, Memphis, Tenn. Fluid operated freight and passenger elevators and automobile, bus, truck, and freight lifts. 398,983, Dec. 8, 1942. Republished Oct. 25. Class 23.

Rotolo, Gaspar, Elizabeth, N. J. Preparation for the treatment of both external and internal piles. 306,261, Sept. 12, 1933. Republished Oct. 25. Class 6.

Royal Worcester Corset Company, Worcester, Mass. Women's and children's wearing apparel. 260,464, Aug. 27, 1929. Amended. O. G. Oct. 25. Class 39.

Royal Worcester Corset Company, Worcester, Mass. Women's and children's wearing apparel. 262,989, Oct. 29, 1929. Amended. O. G. Oct. 25. Class 39.

Rubinstein, Helena, Inc., New York, N. Y. Lipsticks, nail lacquer, creme tint foundations, etc. 443,480, Oct. 25; Serial No. 513,468, published Feb. 24, 1948. Class 6.

S. F. Appliances, Limited, Ridgefield, N. J. Gasoline and kerosene lanterns and lamps and incandescent mantles and reflectors, etc. 516,793, Oct. 25; Serial No. 544,782, published June 21, 1949. Class 34.

Sager, Solmon M., doing business as The Graphomatic Corporation, Chicago, Ill. Ball pens. 516,696, Oct. 25; Serial No. 526,893, published July 12, 1949. Class 37.

Sales Affiliates, Inc.: *See*—
Inecto Inc.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Anthelmintics, antigens, bacterins, etc. 517,874, Oct. 25; Serial No. 555,964, published July 26, 1949. Class 6.

Saltzson Drapery Company, Philadelphia, Pa. Window curtains, draperies, and bedspreads. 516,854, Oct. 25; Serial No. 552,805, published July 12, 1949. Class 42.

Sanacori & Co., Brooklyn, N. Y. Macaroni. 262,643, renewed Oct. 15, 1949. O. G. Oct. 25. Class 46.

Sander, Frank S., New York, N. Y. Dress forms. 516,850, Oct. 25; Serial No. 552,199, published July 5, 1949. Class 50.

San Juan Fishing & Packing Co., Seattle, Wash. Canned, fresh, salt, smoked, and kippered fish. 256,325, renewed May 14, 1949. O. G. Oct. 25. Class 46.

Savill Company, The: *See*—
Savill, Thomas, & Sons.

Savill, Thomas, & Sons, to The Savill Company, Philadelphia, Pa. Bibs and valves. 70,225, re-renewed Aug. 11, 1948. O. G. Oct. 25. Class 13.

Sayford, Frank M., Company Incorporated, Brooklyn, N. Y. Paper napkins. 516,881, Oct. 25; Serial No. 556,825, published July 12, 1949. Class 37.

Schalet-Pollack Corporation, New York, N. Y. Fasteners. 516,911, Oct. 25; Serial No. 559,550, published July 19, 1949. Class 40.

Schlosser Paper Corporation, New York, N. Y. Writing papers, printing papers, correspondence cards, etc. 516,803, Oct. 25; Serial No. 546,056, published June 28, 1949. Class 37.

Schratter Company, The: *See*—
Schratter Corporation.

Schratter Corporation, The, by Sadie Schratter, doing business as The Schratter Company, New York, N. Y. Cheese. 315,749, Aug. 7, 1934. Republished Oct. 25. Class 46.

Schratter, Sadie: *See*—
Schratter Corporation.

Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 516,904, Oct. 25; Serial No. 558,741, published June 28, 1949. Class 40.

Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 516,910, Oct. 25; Serial No. 559,490, published June 28, 1949. Class 40.

Schwartz, Walter, doing business as Goutine Chemical Co., Yonkers, N. Y. Balm for the relief of rheumatical pains or aches. 516,921, Oct. 25; Serial No. 561,146, published July 26, 1949. Class 6.

Schwarz, Max, Manufacturer La Primadora Havana Cigars, Ltd., by La Primadora Cigar Corporation, New York, N. Y. Cigars. 385,373–4, Feb. 25, 1941. Republished Oct. 25. Class 17.

Schwarz, Max, Manufacturer La Primadora Havana Cigars, Ltd., by La Primadora Cigar Corporation, New York, N. Y. Cigars. 392,322. Dec. 23, 1941. Republished Oct. 25. Class 17.

Schweitzer, Peter J., Inc., New York, N. Y. Cigarette paper, carbonizing tissue, condenser paper, etc. 516,918, Oct. 25; Serial No. 560,928, published July 5, 1949. Class 37.

Sealy, Incorporated, Chicago, Ill. Mattresses and sofa beds, studio couches, and upholstered chairs. 426,168, Dec. 17, 1946. Republished Oct. 25. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Women's and children's shoes. 380,848, Sept. 3, 1940. Republished Oct. 25. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Men's and boys' rubber footwear, shoes. 390,406, Sept. 23, 1941. Republished Oct. 25. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Corsets and brassières. 404,277, Nov. 16, 1943. Republished Oct. 25. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Toys. 404,721, Dec. 21, 1943. Republished Oct. 25. Class 22.

Sears, Roebuck and Co., Chicago, Ill. Educational toys, wheel toys, hobby toys, etc. 411,427, Jan. 16, 1945. Republished Oct. 25. Class 22.

Sears, Roebuck and Co., Chicago, Ill. Cemetery monuments. 429,142, Apr. 22, 1947. Republished Oct. 25. Class 50.

Sears, Roebuck and Co., Chicago, Ill. Women's handbags, billfolds, key cases, etc. 431,123, July 8, 1947. Republished Oct. 25. Class 3.

Sequoia Foothill Fruit Growers, Woodlake, Calif. Fresh grapes. 263,604, renewed Nov. 5, 1949. O. G. Oct. 25. Class 46.

Seymour Woolen Mills, Seymour, Ind. Textile blankets. 262,947, renewed Oct. 29, 1949. O. G. Oct. 25. Class 42.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Laxative. 76,054, renewed Dec. 7, 1949. O. G. Oct. 25. Class 6.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antbelmintic and antibacterial preparation. 516,946, Oct. 25; Serial No. 565,206, published July 26, 1949. Class 6.

Sher, Charles S., Company Inc., New York, N. Y. Wrapping paper, tissue paper, paper towels, etc. 443,491, Oct. 25; Serial No. 521,363, published June 21, 1949. Class 37.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, enamels or lacquers. 265,302, renewed Dec. 24, 1949. O. G. Oct. 25. Class 16.

Shoe Form Co. Inc., Auburn, N. Y. Shoe forms. 253,620, renewed Mar. 5, 1949. O. G. Oct. 25. Class 50.

Shoes Associated, Inc., New York, N. Y. Shoes. 517,031, Oct. 25; Serial No. 549,395. Class 39.

Simon Bros. Co., New York, N. Y. Handbags. 516,973, Oct. 25; Serial No. 569,541, published July 12, 1949. Class 3.

Simon, Healey & Goldstein Inc., New York, N. Y. Fabrics in the piece, nets and laces. 443,490. Oct. 25; Serial No. 520,837, published Nov. 25, 1947. Class 42.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 263,267, Nov. 5, 1929. Republished Oct. 25. Class 23.

Sindar Corporation, New York, N. Y. Fungicide. 516,940, Oct. 25; Serial No. 563,976, published July 26, 1949. Class 6.

Sixty Sales Corporation, The, Hartford, Conn. Skis. 516,891, Oct. 25; Serial No. 557,561, published July 5, 1949. Class 22.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. 516,931, Oct. 25; Serial No. 563,026, published May 31, 1949. Class 42.

Sloan, Earl S., Dr., Incorporated, to Standard Laboratories, Inc., New York, N. Y. Medicinal preparations. 260,802, renewed Aug. 27, 1949. O. G. Oct. 25. Class 6.

Sloan, Earl S., Dr., Incorporated, to Standard Laboratories, Inc., New York, N. Y. Medicinal preparations. 263,061, renewed Oct. 29, 1949. O. G. Oct. 25. Class 6.

Smith, A. O., Corporation: *See*—
Burkay Co., The.

Smith, H. P., Paper Company, Chicago, Ill. Wet-strength paper. 516,814, Oct. 25; Serial No. 547,783, published June 21, 1949. Class 37.

Smith, S. K., Company, The, Chicago, Ill. Artificial leather products. 516,707, Oct. 25; Serial No. 531,252, published June 21, 1949. Class 37.

Soc. An. Italiana per le Fibre Tessili Artificiali gia Châtillon, Milano, Italy. Opaque, multifilament yarn of rayon viscose. 516,930, Oct. 25; Serial No. 562,965, published July 26, 1949. Class 43.

Socony-Vacuum Oil Company, Incorporated: *See*—
Standard Oil Co.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compounded oil. 516,908, Oct. 25; Serial No. 559,254, published July 26, 1949. Class 6.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 443,476, Oct. 25; Serial No. 508,862, published July 19, 1949. Class 37.

Southern Entomological Company, West Palm Beach, Fla. Insecticides and larvicides. 516,968, Oct. 25; Serial No. 568,405, published July 26, 1949. Class 6.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Softballs. 516,726, Oct. 25; Serial No. 536,650, published June 14, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets and badminton rackets. 516,738, Oct. 25; Serial No. 538,668, published June 21, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, and table tennis bats. 516,739, Oct. 25; Serial No. 538,669, published June 14, 1949. Class 22.

Spalding, Eudora H., Seese, by Keith Spalding, trustee, under the will of Eudora Hull Spalding, deceased, Pasadena, Calif. Lemons, oranges, and grapefruit. 102,847–50, Feb. 23, 1915. Republished Oct. 25. Class 46.

Spalding, Keith, trustee: *See*—
Spalding, Eudora H.

Sperry and Hutchinson Company, The, New York, N. Y. Stamp books. 516,709, Oct. 25; Serial No. 532,516, published July 19, 1949. Class 37.

Square D Company, Detroit, Mich. Optical instruments. 516,668, Oct. 25; Serial No. 459,274, published June 28, 1949. Class 26.

Standard Laboratories, Inc.: *See*—
Sloan, Earl S., Dr., Incorporated.

Standard Milling Company, Chicago, Ill. Wheat flour. 516,843, Oct. 25; Serial No. 551,413, published July 5, 1949. Class 46.

Standard Milling Company, Chicago, Ill. Wheat flour. 516,844, Oct. 25; Serial No. 551,414, published July 5, 1949. Class 46.

Standard Oil Co., to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refined petroleum. 76,188, re-renewed Dec. 21, 1949. O. G. Oct. 25. Class 15.

Standard Oil Company of New Jersey, now by change of name Esso Standard Oil Company, Wilmington, Del. Synthetic rubber, rubber substitutes and rubber-like materials. 517,004, Oct. 25; Serial No. 538,939. Class 1.

Standard Pharmaceutical Co., Inc., New York, N. Y. Allergen preparations, analeptic preparations, etc. 516,765, Oct. 25; Serial No. 541,600, published July 12, 1949. Class 6.

Stanley Rule and Level Company, to The Stanley Works, New Britain, Conn. Edgewise-folding rules. 33,953–4, re-renewed Dec. 26, 1949. O. G. Oct. 25. Class 26.

Stanley Works, The: *See*—
Stanley Rule and Level Company.

Sterling Novelty Company, Chicago, Ill. Combination shopping bag and handbag. 516,979, Oct. 25; Serial No. 570,590, published July 26, 1949. Class 3.

Stevens, J. P., & Co., Inc., New York, N. Y. Woolen and worsted piece goods. 516,719, Oct. 25; Serial No. 534,384, published July 19, 1949. Class 42.

Stewart-Warner Corporation, Chicago, Ill. Electrical apparatus for detecting the angular locus of static and dynamic unbalance of wheels. 442,990, June 28, 1949. Republished Oct. 25. Class 26.

Stidd's, Inc., Portland, Oreg. Chicken tamales, canned foods. 516,764, Oct. 25; Serial No. 541,474, published July 5, 1949. Class 46.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. 398,940, Dec. 8, 1942. Republished Oct. 25. Class 39.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. 516,906, Oct. 25; Serial No. 558,967, published May 31, 1949. Class 42.

Stuart Hall Company, Inc., Kansas City, Mo. Stationery. 517,020, Oct. 25; Serial No. 561,696. Class 37.

Sun Chemical Corporation: *See*—
Ullman, Sigmund, Company.

Sun Chemical Corporation, New York, N. Y. Clear, and pigmented resin-base emulsions. 516,886, Oct. 25; Serial No. 557,319, published July 19, 1949. Class 6.

Susquehanna Mills, Inc., New York, N. Y. Worsted woolen gabardine fabrics in the piece. 443,499, Oct. 25; Serial No. 524,631, published Jan. 6, 1948. Class 42.

Swallow Raincoats Limited, Birmingham, England. Raincoats for men. 352,953, Dec. 21, 1937. Republished Oct. 25. Class 39.

Talon, Inc., Meadville, Pa. Outdoor sleeping bags, tennis-racket covers, golf bags, and bowling ball bags, 516,701, Oct 25; Serial No. 527,908, published July 12, 1949. Class 22.

Tate, E. H., Company, Boston, Mass. Picture hangers, frameless mirror holders, drapery hooks, etc. 516,962, Oct. 25; Serial No. 567,811, published July 26, 1949. Class 13.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. 516,695, Oct. 25; Serial No. 525,448, published July 5, 1949. Class 17.

Taylor, Taylor & Hobson, Limited, Leicester, England. Photographic cameras; optical instruments; precision measuring instruments. 516,670, Oct. 25; Serial No. 499,025, published June 28, 1949. Class 26.

Taylor, Thomas, & Sons, Inc., Hudson, Mass. Shoe laces. 516,954, Oct. 25; Serial No. 566,368, published June 28, 1949. Class 40.

Thomas, M. & W., Co., New York, N. Y. Silk, rayon, woolen, etc., piece goods. 516,685, Oct. 25; Serial No. 521,618, published Nov. 23, 1948. Class 42.

Thompson, Norberg, doing business as A. Granday Canning Co., Key West, Fla. Turtle soup. 516,776, Oct. 25; Serial No. 543,237, published July 5, 1949. Class 46.

Thomson Paper Mills, Inc., Thomson, N. Y. Facial and toilet tissues. 516,867, Oct. 25; Serial No. 555,209, published June 21, 1949. Class 37.

Tie, Anthony C., Brooklyn, New York, N. Y. Printed blanks. 516,869, Oct. 25; Serial No. 555,323, published July 12, 1949. Class 37.

Timme, E. F., & Son, to E. F. Timme & Son, New York, N. Y. Pile fabric in the piece. 260,642, renewed Aug. 27, 1949. O. G. Oct. 25. Class 42.

Timme, E. F., & Son, to E. F. Timme & Son, New York, N. Y. Pile fabrics in the piece. 260,648, renewed Aug. 27, 1949. O. G. Oct. 25. Class 42.

Tom Boy, Inc., St. Louis, Mo. Canned sliced apples, canned green asparagus, etc. 516,732, Oct. 25; Serial No. 538,198, published July 5, 1949. Class 46.

Tracy Company, Inc., The, by The Tracy Company, Inc., New London, Conn. Preparation for use in the treatment for dyspepsia. 116,995, June 5, 1917. Republished Oct. 25. Class 6.

Trenerry, R. W., doing business as Trenerry's Bakery, Yakima, Wash. Bakery products. 443,488, Oct. 25; Serial No. 520,775, published Oct. 26, 1948. Class 46.

Trenerry's Bakery: *See*—
Trenerry, R. W.

Troop Water Heater Company, Pittsburgh, Pa. Pressure heating and hot water tanks, range boilers, hot water heaters, etc. 516,750–2, Oct. 25; Serial Nos. 540,429–91, published June 21, 1949. Class 34.
Tru-Aid Medicine Company: *See*—
Tru-Aid Medicine Company, Inc.
Tru-Aid Medicine Company, Inc., Cincinnati, Ohio., assignor of Tru-Aid Medicine Company. Liquid analgesic. 517,003, Oct. 25; Serial No. 524,496. Class 6.
Tuffy Toys, assignor to Tuffy Toys, Inc., Cleveland, Ohio. Children's pull toys. 443,481, Oct. 25; Serial No. 514,152, published Sept. 30, 1947. Class 22.
Tuffy Toys, Inc.: *See*—
Tuffy Toys.
Ullman, Sigmund, Company, New York, to Sun Chemical Corporation, Long Island City, N. Y. Printing ink. 259,469, renewed July 30, 1949. O. G. Oct. 25. Class 11.
Ullmann, Bernhard, Co., Inc., Long Island City, N. Y. Decorative table linen. 516,852, Oct. 25; Serial No. 552,417, published May 31, 1949. Class 42.
Ultra-Violet Products, Inc.: *See*—
Warren, Thomas S.
Union Steel Products Company, Albion, Mich. Picnic or out of door stoves. 516,827, Oct. 25; Serial No. 549,989, published July 5, 1949. Class 34.
United Biscuit Company of America, doing business under the style name of Manchester Biscuit Division, Chicago, Ill., Sioux Falls, S. Dak., and elsewhere. Zwieback. 516,821, Oct. 25; Serial No. 548,609, published July 5, 1949. Class 46.
United Specialties Company, Chicago, Ill. Children's scooters and wheelbarrows. 516,672, Oct. 25; Serial No. 506,074, published June 21, 1949. Class 22.
United Wallpaper, Inc., Chicago, Ill. Wallpaper. 516,914, Oct. 25; Serial No. 560,587, published July 12, 1949. Class 37.
U. S. Electrical Motors, Inc., Los Angeles, Calif. Vertical hollow shaft electrical motors. 440,338, Aug. 24, 1948. Republished Oct. 25. Class 21.
United States Lime Products Corporation, Los Angeles, Calif. Hydrated lime and quicklime. 516,935–6, Oct. 25; Serial No. 563,558–9, published July 26, 1949. Class 6.
Universal Pictures Company, Inc., New York, N. Y. Films and records. 443,483–4, Oct. 25; Serial Nos. 516,452–3, published June 21, 1949. Class 26.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 516,969–71, Oct. 25; Serial Nos. 568,470–2, published July 26, 1949. Class 6.
Valley Paper Company, Holyoke, Mass. Writing, typewriter and printing paper. 516,698, Oct. 25; Serial No. 527,772, published June 21, 1949. Class 37.
Valley Paper Company, Holyoke, Mass. Paper. 516,702, Oct. 25; Serial No. 528,023, published July 5, 1949. Class 37.
Vanseme Laboratory: *See*—
Hofmann, Arthur C.
Variety Button & Notion Co.: *See*—
Zitren, Charles.
Veeder-Root Incorporated: *See*—
Root, C. J., Company, The.
Veet Food Products: *See*—
Vietor, Marjorie C.
Venice Maid Co., Inc., Vineland, N. J. Canned food product. 516,784, Oct. 25; Serial No. 544,010, published July 5, 1949. Class 46.
Versen, Kurt, Company, Englewood, N. J. Monthly periodical. 517,024, Oct. 25; Serial No. 563,705. Class 38.
Vietor, Marjorie C., doing business as Veet Food Products, New York, N. Y. Ready-to-cook appetizers. 516,798, Oct. 25; Serial No. 545,316, published July 5, 1949. Class 46.
Vivatex Processes, Inc., Lodi, N. J., to Metrotex, Inc., Elizabeth, N. J. Cotton fabrics. 259,862, renewed Aug. 6, 1949. O. G. Oct. 25. Class 42.
Vollrath Co., The, Sheboygan, Wis. Cast iron ground ware; corrosion resisting steel; and for enameled base metal ware. 516,762, Oct. 25; Serial No. 541,234, published July 26, 1949. Class 13.
Wade, Wenger & Associates, Inc., Chicago, Ill. Moth killing liquid chemical compound. 516,747, Oct. 25; Serial No. 540,127, published July 26, 1949. Class 6.
Walgreen Co., Chicago, Ill. Powder puffs. 516,758, Oct. 25; Serial No. 541,055, published July 12, 1949. Class 29.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Creme de menthe. 376,902, Apr. 9, 1940. Republished Oct. 25. Class 49.
Walker, Hiram & Sons, Inc., Detroit, Mich. Creme de cacao. 376,906, Apr. 9, 1940. Republished Oct. 25. Class 49.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Orange curaçao. 376,907, Apr. 9, 1940. Republished Oct. 25. Class 49.
Walker, Hiram, & Sons, Inc., Detroit, Mich. Kummel. 376,908, Apr. 9, 1940. Republished Oct. 25. Class 49.
Wallscott Products, Inc., assignor to Fitchburg Paper Company, Fitchburg, Mass. Paper draperies. 516,894, Oct. 25; Serial No. 557,975, published July 12, 1949. Class 37.
Ward, Leslie C., assignee: *See*—
Heil, Edward S.
Ward Paper Company, Merrill, Wis. Disposable paper bibs. 517,000, Oct. 25; Serial No. 520,913. Class 37.
Warren, Thomas S., by Ultra-Violet Products, Inc., Los Angeles, Calif. Therapeutic devices. 303,416, May 23, 1933. Republished Oct. 25. Class 44.
Wavershoe Trimming Co., Inc., New York, N. Y. Pipings and trimmings of leather and of fabric. 516,775, Oct. 25; Serial No. 542,897, published June 28, 1949. Class 40.
Weber Costello Co., Chicago Heights, Ill. Dustless crayons. 516,712, Oct. 25; Serial No. 532,781, published June 21, 1949. Class 37.
Welsh Co., St. Louis, Mo. Baby swings. 516,832, Oct. 25; Serial No. 550,763, published June 21, 1949. Class 22.
Wess Mfg. Co., New York, N. Y. Children's overalls, snow suits, ski pants, sun suits, etc. 516,991, Oct. 25; Serial No. 508,879. Class 39.
West Bend Aluminum Co., West Bend, Wis. Coffee making utensil. 516,794, Oct. 25; Serial No. 544,800, published July 26, 1949. Class 13.
West Bend Aluminum Co., West Bend, Wis. Coffee making utensil. 516,795, Oct. 25; Serial No. 544,801, published July 26, 1949. Class 13.
West Virginia Pulp and Paper Company, New York, N. Y. Writing papers. 516,555, Oct. 25; Serial No. 553,041, published July 5, 1949. Class 37.
White-Washburne Company, Inc., Hinsdale, N. H. Toilet tissue, paper towels and paper napkins. 516,887, Oct. 25; Serial No. 557,423, published July 5, 1949. Class 37.
Wilhelm, Herman, by Novelty Slipper Co., Inc., New York, N. Y. Felt slippers. 155,869, June 6, 1922. Republished Oct. 25. Class 39.
Williams, Arthur A., by Goodwill Shoe Company, Hollister, Mass. Men's and boys' leather boots and shoes. 127,301, Nov. 4, 1919. Republished Oct. 25. Class 39.
Williams, D. T., Valve Company, The, Cincinnati, Ohio. Gate valves, gage cocks, globe valves, etc. 517,009, Oct. 25; Serial No. 544,666. Class 13.
Williams, Willie V., doing business as Modern Tufting Co., Dalton, Ga. Tufted rugs. 517,021, Oct. 25; Serial No. 561,868. Class 42.
Williford Manufacturing Company, Memphis, Tenn. Pallet and skid platforms. 516,818, Oct. 25; Serial No. 548,205, published July 5, 1949. Class 50.
Wilmington Fisheries: *See*—
Guerrero, Emil.
Wilson, Grant, Incorporated, Chicago, Ill. Asbestos pattern and tracing paper. 516,675, Oct. 25; Serial No. 509,121, published July 19, 1949. Class 37.
Wilson Memindex Company, Rochester, N. Y. Loose-leaf daily memorandum card system. 516,679, Oct. 25; Serial No. 511,916, published Sept. 7, 1948. Class 37.
Wilson Sporting Goods Co., Chicago, Ill. Baseball gloves and mitts. 516,822, Oct. 25; Serial No. 548,701, published July 5, 1949. Class 22.
Winston, Irwin, doing business as Winston Manufacturing Co., New York, N. Y. Leather key cases, brief cases, wallets, etc. 516,942, Oct. 25; Serial No. 564,418, published July 26, 1949. Class 3.
Winston Manufacturing Co.: *See*—
Winston, Irwin.
Winter Haven Fruit Sales Corporation, by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 305,675, Aug. 22, 1933. Republished Oct. 25. Class 46.
Winterhaven Fruit Sales Corporation, by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 328,069, Sept. 17, 1935. Republished Oct. 25. Class 46.
Winter Haven Fruit Sales Corporation, by Wm. G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 333,299, Mar. 17, 1936. Republished Oct. 25. Class 46.
Winthrop Mills, Winthrop, Maine. Woolen, cotton and rayon fabrics in the piece. 516,999, Oct. 25; Serial No. 518,994. Class 42.
Wood Flong Corporation, Hoosick Falls, N. Y. Stereotype mats or matrices. 516,851, Oct. 25; Serial No. 552,327, published July 5, 1949. Class 50.
Woolworth, F. W., Co., New York, N. Y. Sewing, embroidery, darning, knitting, and crochet needles. 516,913, Oct. 25; Serial No. 560,513, published July 26, 1949. Class 40.
World Product Company: *See*—
Laymon, Herman B.
World Products Corp., New York, N. Y. Vitamin preparation in powder form. 516,956, Oct. 25; Serial No. 566,737, published July 26, 1949. Class 6.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. 516,699, Oct. 25; Serial No. 527,779, published July 5, 1949. Class 22.
Worthington Foods, Inc., Worthington, Ohio. Peanut butter. 516,787, Oct. 25; Serial No. 544,310, published July 5, 1949. Class 46.
Zebest Products Co.: *See*—
Bluem, Vera M.
Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 517,025, Oct. 25; Serial No. 565,096. Class 38.
Ziggerscrew Company: *See*—
Zusow, John.
Zitren, Charles, doing business as Variety Button & Notion Co., New York, N. Y. Separable slide fasteners and parts thereof. 516,868, Oct. 25; Serial No. 555,230, published July 26, 1949. Class 13.
Zusow, John, doing business as Ziggerscrew Company, Detroit, Mich. Screws. 516,907, Oct. 25; Serial No. 559,200, published July 26, 1949. Class 13.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Castner, Curran & Bullitt. 45,017, Aug. 1, 1905. Corrected. O. G. Oct. 25.
Coal. Holmes-Darst Coal Company. 261,805, renewed Sept. 24, 1949. O. G. Oct. 25.
Coal. Old Ben Coal Corporation. 258,733, renewed July 16, 1949. O. G. Oct. 25.
Coal, Bituminous. Blackwood Coal and Coke Company. 251,846, renewed Jan. 15, 1949. O. G. Oct. 25.
Leather. Bally Inc. 359,088, Aug. 2, 1938. Republished Oct. 25.
Rubber, Synthetic, rubber substitutes and rubber-like materials. Standard Oil Company of New Jersey. 517,004, Oct. 25; Serial No. 533,939.

CLASS 2

Bags, Blanket, garment bags, and food bags. Kennedy Car Liner & Bag Co., Inc. 440,912, Oct. 12, 1948. Republished Oct. 25.
Cartons, Egg, and market baskets. Independent Grocers Alliance Distributing Co. 260,851, renewed Aug. 27, 1949. O. G. Oct. 25.

CLASS 3

Bags, Knitting. Associated Needlecrafts. 516,975, Oct. 25; Serial No. 569,736, published July 5, 1949.
Bags, Leather suit and traveling, fitted overnight bags, etc. Prince Gardner Company. 516,773, Oct. 25; Serial No. 542,652, published June 21, 1949.
Bill folds, pocket books, purses, and wallets. Nash, Inc. 516,983, Oct. 25; Serial No. 570,961, published July 26, 1949.
Bill folds, pocket books, purses, and wallets. Nash, Inc. 516,986, Oct. 25; Serial No. 571,286, published July 26, 1949.
Billfolds, wallets, key cases, etc. Columbia Walescraft Ltd. 516,875, Oct. 25; Serial No. 556,075, published June 28, 1949.
Cases, Overnight, week-end cases, pullman cases, etc. Dale Fifth Avenue, Inc. 516,926, Oct. 25; Serial No. 561,887, published July 5, 1949.
Cases, Overnight, weekend cases, pullman cases, etc. Dale Fifth Avenue, Inc. 516,927, Oct. 25; Serial No. 561,889, published July 5, 1949.
Frames, Bag, purse frames, and pocketbook frames. The J. E. Mergott Co. 516,763, Oct. 25; Serial No. 541,378, published July 26, 1949.
Goods, Leather. H. Bosca. 516,888, Oct. 25; Serial No. 557,498, published July 12, 1949.
Handbags. Simon Bros. Co. 516,973, Oct. 25; Serial No. 569,541, published July 12, 1949.
Handbags and purses, Ladies', misses', and children's. Brandy Mills Corporation. 516,917, Oct. 25; Serial No. 560,859, published July 26, 1949.
Handbags, Ladies'. Bags by Maurice, Inc. 516,949, Oct. 25; Serial No. 565,533, published June 28, 1949.
Handbags, Ladies'. M. Holsman. 516,689, Oct. 25; Serial No. 522,208, published June 21, 1949.
Handbags, Women's. Lanca Handbags Corporation. 516,980, Oct. 25; Serial No. 570,619, published June 21, 1949.
Handbags, Women's, billfolds, key cases, etc. Sears, Roebuck and Co. 431,123, July 8, 1947. Republished Oct. 25.
Key cases, Leather, brief cases, wallets, etc. I. Winston. 516,942, Oct. 25; Serial No. 564,418, published July 26, 1949.
Leather goods. M. Menschik. 516,959, Oct. 25; Serial No. 567,029, published June 28, 1949.
Pocketbooks, wallets, billfolds, etc. Par Avion. 443,487, Oct. 25; Serial No. 518,337, published July 12, 1949.
Shopping bag and handbag, Combination. Sterling Novelty Company. 516,979, Oct. 25; Serial No. 570,590, published July 26, 1949.
Trunks. William Bal Corporation. 516,674, Oct. 25; Serial No. 506,356, published June 21, 1949.
Wallets, pocketbooks, and bill folds. Aristocrat Leather Products, Inc. 443,496, Oct. 25; Serial No. 523,506, published Nov. 11, 1947.

CLASS 4

Cleaning preparation, Non-saponaceous. Oakite Products, Inc. 432,866, Sept. 16, 1947. Republished Oct. 25.
Cleansing, detergent, and water-softening qualities, Preparations having. Oakite Products, Inc. 258,889, renewed July 16, 1949. O. G. Oct. 25.
Cleansing liquid. T. D. Perkins. 281,553, Mar. 24, 1931. Republished Oct. 25.
Coated abrasive products. Armour and Company. 516,820, Oct. 25; Serial No. 548,629, published July 12, 1949.
Compound, Non-explosive naphtha. Gate City Oil Co. 259,966, renewed Aug. 13, 1949. O. G. Oct. 25.
Solvent and cleaner, Liquid. Practical Products Company. 442,848, June 7, 1949. Republished Oct. 25.

CLASS 6

Agent, Biological immunising. Cutter Laboratories. 516,948, Oct. 25; Serial No. 565,418, published July 26, 1949.
Allergen preparations, analeptic preparations, etc. Standard Pharmaceutical Co., Inc. 516,765, Oct. 25; Serial No. 541,600, published July 12, 1949.
Analgesic, Liquid. Tru-Aid Medicine Company, Inc. 517,003, Oct. 25; Serial No. 524,496.
Antacid adsorbent preparation. Drew Pharmacal Co., Inc. 516,725, Oct. 25; Serial No. 536,508, published July 12, 1949.
Anthelmintic and antibacterial preparation. Sharp & Dohme, Incorporated. 516,946, Oct. 25; Serial No. 565,206, published July 26, 1949.
Anthelmintics, antigens, bacterins, etc. Dr. Salsbury's Laboratories. 517,874, Oct. 25; Serial No. 555,964, published July 26, 1949.
Antiseptic, antitoxic, and deodorant products. Godissart & Pyles. 300,181, Jan. 10, 1933. Republished Oct. 25.
Balm for the relief of rheumatical pains or aches. W. Schwartz. 516,921, Oct. 25; Serial No. 561,146, published July 26, 1949.
Bates for tanners' uses. The Martin Dennis Company. 74,321, July 6, 1909. Republished Oct. 25.
Biologicals and pharmaceuticals. Cutter Laboratories. 516,941, Oct. 25; Serial No. 564,052, published July 26, 1949.
Chemical compound, Moth killing liquid. Wade, Wenger & Associates, Inc. 516,747, Oct. 25; Serial No. 540,127, published July 26, 1949.
Chemical preparation. American Chemical Paint Company. 510,191, May 31, 1949. Corrected. O. G. Oct. 25.
Chemical preparations. Diamond Alkali Company. 443,478, Oct. 25; Serial No. 510,490, published June 28, 1949.
Chrome-tanning materials. The Martin Dennis Company. 78,070, May 31, 1910. Republished Oct. 25.
Cleaner, Automobile radiator cooling system, etc. Lion Chemical Company. 516,953, Oct. 25; Serial No. 565,838, published July 26, 1949.
Compounds, Alkali neutralizing. H. Kohnstamm & Co., Inc. 516,951, Oct. 25; Serial No. 565,564, published July 26, 1949.
Compounds, Chemical. E. I. du Pont de Nemours and Company. 516,955, Oct. 25; Serial No. 566,461, published July 26, 1949.
Cosmetics and toilet preparations. Mary Nolan, Inc. 516,715, Oct. 25; Serial No. 533,680, published July 26, 1949.
Dyes and dyestuffs. Geigy Company, Inc. 516,870, Oct. 25; Serial No. 555,402, published July 12, 1949.
Emulsions, Clear, and pigmented resin-base. Sun Chemical Corporation. 516,886, Oct. 25; Serial No. 557,319, published July 19, 1949.
Face powder, talcum powder, cold-cream powder, etc. The Armand Company. 516,909, Oct. 25; Serial No. 559,475, published July 26, 1949.
Fillers of a waxy nature used for impregnating hides after they are tanned. The Dennis, Martin Company. 78,694, July 5, 1910. Republished Oct. 25.
Fire extinguishers, Dry chemical. Kwik Work Fire Appliance Company. 516,952, Oct. 25; Serial No. 565,707, published July 26, 1949.
Fluxes. Multicore Solders Limited. 502,599, Oct. 5, 1948. Corrected. O. G. Oct. 25.
Fungicide. Sindar Corporation. 516,940, Oct. 25; Serial No. 563,976, published July 26, 1949.
Gases, Compressed industrial. National Cylinder Gas Company. 516,879, Oct. 25; Serial No. 556,361, published July 26, 1949.
Hair cream and shampoo. The Ployhar and Heidt Company. 516,920, Oct. 25; Serial No. 561,038, published July 26, 1949.
Hair dye. Inecto Inc. 256,335, renewed May 14, 1949. O. G. Oct. 25.
Hair tonic, oil and dandruff remover shampoos. The F. W. Fitch Company. 516,740, Oct. 25; Serial No. 538,901, published July 19, 1949.
Hormone preparations. Rare Chemicals, Inc. 516,859, Oct. 25; Serial No. 553,744, published July 26, 1949.
Insecticides and larvicides. Southern Entomological Company. 516,968, Oct. 25; Serial No. 568,405, published July 26, 1949.
Laxative. Sharp & Dohme. 76,054, re-renewed Dec. 7, 1949. O. G. Oct. 25.
Lime, Hydrated, and quicklime. United States Lime Products Corporation. 516,935–6, Oct. 25; Serial Nos. 563,558–9, published July 26, 1949.
Lipsticks, nail lacquer, creme tint foundations, etc. Helena Rubinstein, Inc. 443,480, Oct. 25; Serial No. 513,468, published Feb. 24, 1948.
Lotion for the relief of dogs. John Peter Edge, Ltd. 516,934, Oct. 25; Serial No. 563,400, published July 26, 1949.

Materials, Launderer's. H. Kohnstamm & Co., Inc. 516,950, Oct. 25; Serial No. 565,558, published July 26, 1949.
Medicinal preparation. W. E. Ethridge. 516,923, Oct. 25; Serial No. 561,562, published July 19, 1949.
Medicinal preparation. The Upjohn Company. 516,969–71, Oct. 25; Serial Nos. 568,470–2, published July 26, 1949.
Medicinal preparations. Borcherdt Malt Extract Company. 516,778, Oct. 25; Serial No. 543,561, published July 26, 1949.
Medicinal preparations. Dr. Earl S. Sloan, Incorporated. 260,802, renewed Aug. 27, 1949. O. G. Oct. 25.
Medicinal preparations. Dr. Earl S. Sloan, Incorporated. 263,061, renewed Oct. 29, 1949. O. G. Oct. 25.
Mildewproofing, mothproofing, insecticidal and fungicidal composition. Nuodex Products Co., Inc. 516,938, Oct. 25; Serial No. 563,868, published July 26, 1949.
Mineral oil, quinine, peroxide of hydrogen etc. T. D. Perkins. 303,560, May 30, 1933. Republished Oct. 25.
Nail polish, cuticle remover, polish remover, etc. Northam Warren Corporation. 517,029, Oct. 25; Serial No. 568,208.
Oil, Compounded. Socony-Vacuum Oil Company, Incorporated. 516,908, Oct. 25; Serial No. 559,254, published July 26, 1949.
Ointment. A. C. Hofmann. 516,964, Oct. 25; Serial No. 568,309, published July 26, 1949.
Ointment. F. J. Povaloski. 443,495, Oct. 25; Serial No. 522,711, published July 26, 1949.
Perfumery. Georges Fuchs, Ltd. 516,856, Oct. 25; Serial No. 553,096, published July 26, 1949.
Perfumes and toilet waters. Parkinson Lecourt Co., Inc. 516,731, Oct. 25; Serial No. 538,162, published July 26, 1949.
Perfumes, face powders, lipsticks. J. Plaubert. 516,919, Oct. 25; Serial No. 561,037, published July 26, 1949.
Pills, Laxative. M. S. Asbell. 184,218, May 20, 1924. Republished Oct. 25.
Preparation for the hair. The Crown Perfumery Company, Limited. 259,812, renewed Aug. 6, 1949. O. G. Oct. 25.
Preparation for the treatment of both external and internal piles. G. Rotolo. 306,261, Sept. 12, 1933. Republished Oct. 25.
Preparation for use in the treatment for dyspepsia. The Tracy Company, Inc. 116,995, June 5, 1917. Republished Oct. 25.
Preparations for the purification and/or treatment of water and other aqueous liquids. M. M. Kutner, Jr. 516,871, Oct. 25; Serial No. 565,417, published July 26, 1949.
Preparations for the treatment of dandruff, falling hair, and itching scalp. A. C. Kaitz. 516,896, Oct. 25; Serial No. 558,035, published July 26, 1949.
Resins, Synthetic. Monsanto Chemical Company. 516,890, Oct. 25; Serial No. 557,551, published July 26, 1949.
Rhodium solutions and gold cyanide. Sigmund Cohn Corp. 516,961, Oct. 25; Serial No. 567,237, published July 26, 1949.
Sachet powder. Bergdorf & Goodman Co. 516,958, Oct. 25; Serial No. 567,017, published July 26, 1949.
Shampoo. Robert Enterprises, Inc. 258,552, renewed July 9, 1949. O. G. Oct. 25.
Skin creams. E. M. D'Aoust. 516,860, Oct. 25; Serial No. 553,820, published July 26, 1949.
Soda, Caustic, and muriatic acid. Frontier Chemical Company. 516,916, Oct. 25; Serial No. 560,756, published July 26, 1949.
Sodium calcium hydrate. Dewey and Almy Chemical Company. 258,511, renewed July 9, 1949. O. G. Oct. 25.
Solvents. Carbide and Carbon Chemicals Corporation. 263,505, renewed Nov. 5, 1949. O. G. Oct. 25.
Suppositories, Hemorrhoidal. The Harrower Laboratory, Inc. 516,967, Oct. 25; Serial No. 568,373, published July 26, 1949.
Vitamin concentrates. E. S. Heil. 516,833, Oct. 25; Serial No. 550,807, published July 26, 1949.
Vitamin preparation in powder form. World Products Corp. 516,956, Oct. 25; Serial No. 566,737, published July 26, 1949.

CLASS 7

Cordage, Braided. Norman Librett, Inc. 516,963, Oct. 25; Serial No. 568,204, published June 28, 1949.
Cordage, rope, cord, and twine. Independent Cordage Co., Inc. 322,576, Mar. 12, 1935. Republished Oct. 25.
Twine. American Net & Twine Company. 263,799, renewed Nov. 12, 1949. O. G. Oct. 25.
Twine. Ludlow Manufacturing & Sales Co. 516,915, Oct. 25; Serial No. 560,713, published June 28, 1949.
Twine, Baler and binder. Eastern States Farmers' Exchange. 516,965–6, Oct. 25; Serial Nos. 568,359–60, published June 28, 1949.
Twines, Baler, and binder twines. Plymouth Cordage Company. 516,974, Oct. 25; Serial No. 569,716, published July 26, 1949.

CLASS 10

Plant food. Consolidated Rendering Company. 260,267, renewed Aug. 20, 1949. O. G. Oct. 25.

CLASS 11

Ink, Printing. Sigmund Ullman Company. 259,469, renewed July 30, 1949. O. G. Oct. 25.
Paper, Carbon, and typewriter ribbons. Kores Carbon Paper & Ribbons Mfg. Corporation. 516,932, Oct. 25; Serial No. 563,197, published July 26, 1949.

CLASS 12

Asphalt. Richfield Oil Company of California. 276,500, Oct. 21, 1930. Republished Oct. 25.
Cement. Century Cement Corporation. 265,523, renewed Dec. 31, 1949. O. G. Oct. 25.
Lime, Hydrated. Dittlinger Lime Company. 76,582, Feb. 1, 1910. Amended. O. G. Oct. 25.
Thermal insulating jackets, casings, and pipe coverings. The Cleveland Heater Company. 261,826, renewed Sept. 24, 1949. O. G. Oct. 25.

CLASS 13

Aerator attachment for water faucets and other water outlets. The Firestone Tire & Rubber Company. 516,748, Oct. 25; Serial No. 540,181, published July 26, 1949.
Bibs and valves. Thomas Savill & Sons. 70,225, renewed Aug. 11, 1948. O. G. Oct. 25.
Bidets and parts thereof. M. Callejo. 516,905, Oct. 25; Serial No. 558,909, published July 26, 1949.
Closets, tanks, and bowls, Vitreous china water. Kokomo Sanitary Pottery Corporation. 516,769, Oct. 25; Serial No. 541,935, published July 19, 1949.
Cocks, Key operated gas range. The Cleveland Cooperative Stove Company. 516,730, Oct. 25; Serial No. 537,662, published July 12, 1949.
Cooking, kitchen, household and hospital ware, Base metal. The Republic Stamping & Enameling Company. 443,485, Oct. 25; Serial No. 517,662, published July 26, 1949.
Cooking utensils, Aluminum. Illinois Pure Aluminum Company. 516,862, Oct. 25; Serial No. 554,118, published July 19, 1949.
Fasteners and parts thereof, Separable slide. C. Zitren. 516,868, Oct. 25; Serial No. 555,230, published July 26, 1949.
Fasteners for shelf dividers and the like. Lyon Metal Products, Incorporated. 260,791, renewed Aug. 27, 1949. O. G. Oct. 25.
Faucets, Beverage dispensing. Dispensers, Inc. 516,998, Oct. 25; Serial No. 518,878.
Gates, Irrigation control. Page Metal Products Corp. 516,864, Oct. 25; Serial No. 554,400, published July 26, 1949.
Hangers, Picture, frameless mirror holders, drapery hooks, etc. E. H. Tate Company. 516,962, Oct. 25; Serial No. 567,811, published July 26, 1949.
Metal railings, Portable. H. L. Millberg. 516,777, Oct. 25; Serial No. 543,313, published July 26, 1949.
Nozzle elements, National Cylinder Gas Company. 516,901, Oct. 25; Serial No. 558,502, published July 26, 1949.
Nuts, Lock. National Machine Products Company. 443,500, Oct. 25; Serial No. 525,658, published July 26, 1949.
Pipe, Steel. Bethlehem Steel Company. 264,198, renewed Nov. 19, 1949. O. G. Oct. 25.
Pipe unions. Defiance Automatic Screw Company. 516,786, Oct. 25; Serial No. 544,156, published July 19, 1949.
Points, Glaziers'. W. H. Jones. 516,841, Oct. 25; Serial No. 551,282, published July 19, 1949.
Screws. J. Zuzow. 516,907, Oct. 25; Serial No. 559,200, published July 26, 1949.
Serving tray, Combination, and sink top drainer. Associated Projects Company. 516,989, Oct. 25; Serial No. 504,594.
Sheets, Baking, and baking pans. Chicago Metallic Manufacturing Co. 516,733, Oct. 25; Serial No. 538,244, published July 26, 1949.
Slide fasteners, Separable, and snap or spring hooks. Hans Dittmayer & Co. 340,197, Nov. 3, 1936. Republished Oct. 25.
Staples. Fastener Corporation. 516,900, Oct. 25; Serial No. 558,385, published July 26, 1949.
Supports, Metallic, for garbage containers and the like. Highland Industries, Inc. 516,853, Oct. 25; Serial No. 552,588, published July 19, 1949.
Teapots, coffeepots, biggins, etc., Enameled steel. Columbian Enameling & Stamping Co., Inc. 516,682, Oct. 25; Serial No. 512,767, published July 26, 1949.
Unions for connecting pipes or rods, and union check valves. Clayton Mark & Company. 420,802, May 7, 1946. Republished Oct. 25.
Utensil, Coffee making. West Bend Aluminum Co. 516,794, Oct. 25; Serial No. 544,800, published July 26, 1949.
Utensil, Coffee making. West Bend Aluminum Co. 516,795, Oct. 25; Serial No. 544,801, published July 26, 1949.
Valves, Gate, gage cocks, globe valves, etc. The D. T. Williams Valve Company. 517,009, Oct. 25; Serial No. 544,666.
Ware, Cast iron ground, corrosion resisting steel; and for enameled base metal ware. The Vollrath Co. 516,762, Oct. 25; Serial No. 541,234, published July 26, 1949.

CLASS 14

Anchors, Rail, and rail joint shims. The American Fork and Hoe Company. 258,575, renewed July 9, 1949. O. G. Oct. 25.

Metal and iron and steel bars, etc., Rust-resisting anticorrosive. Central Alloy Steel Corporation. 256,370, renewed May 14, 1949. O. G. Oct. 25.

CLASS 15

Compounds, Oleaginous. The Martin Dennis Company. 78,071, May 31, 1910. Republished Oct. 25.
Gasoline, lubricating oils, lubricating greases, stove fuel oil, etc. Richfield Oil Corporation. 385,305, Feb. 25, 1941. Republished Oct. 25.
Greases, Lubricating, and lubricating oils. New York Lubricating Oil Company. 272,884, July 15, 1930. Republished Oct. 25.
Oil, Road-dressing. Richfield Oil Company of California. 276,773, Oct. 28, 1930. Republished Oct. 25.
Oils, Lubricating. Richfield Oil Company. 203,664, Sept. 22, 1925. Republished Oct. 25.
Oils, Lubricating, or greases or compounds thereof. Richfield Oil Company of California. 275,745, Sept. 30, 1930. Republished Oct. 25.
Petroleum and products of petroleum. W. C. McDuffie. 332,874, Mar. 3, 1936. Republished Oct. 25.
Petroleum, Refined. Standard Oil Co. 76,188, re-renewed Dec. 21, 1949. O. G. Oct. 25.

CLASS 16

Paints, varnishes, enamels or lacquers. The Sherwin-Williams Company. 265,302, renewed Dec. 24, 1949. O. G. Oct. 25.

CLASS 17

Cigars. Regina Cigar Co. Inc. 516,721–2, Oct. 25; Serial Nos. 535,352–3, published July 5, 1949.
Cigars. Max Schwarz Manufacturer La Primadora Havana Cigars, Ltd. 385,373–4, Feb. 25, 1941. Republished Oct. 25.
Cigars. Max Schwarz Manufacturer La Primadora Havana Cigars, Ltd. 392,322, Dec. 23, 1941. Republished Oct. 25.
Tobacco, Cigarette. P. Lorillard Company. 516,933, Oct. 25; Serial No. 563,351, published July 19, 1949.
Tobacco, Plug, twist, and smoking. Taylor Brothers, Inc. 516,695, Oct. 25; Serial No. 525,448, published July 5, 1949.
Tobacco products. Medalist Co., Inc. 516,892, Oct. 25; Serial No. 557,760, published July 19, 1949.
Tobacco, Smoking and chewing. The American Tobacco Company. 516,903, Oct. 25; Serial No. 558,684, published July 19, 1949.
Tobacco, Smoking and chewing. Brown & Williamson Tobacco Corporation. 516,877, Oct. 25; Serial No. 556,174, published July 5, 1949.
Tobacco, Smoking and chewing. P. Lorillard Company. 516,727. Oct. 25; Serial No. 536,917, published Apr. 20, 1948.

CLASS 19

Automobile seat covers. Auto Fabrics Corporation. 500,756, June 29, 1948. New certificate. O. G. Oct. 25.
Motorcars. Ford Motor Company. 429,559–60, May 6, 1947. Republished Oct. 25.

CLASS 21

Cord sets or terminal plugs, Electric. Knapp-Monarch Company. 339,581, Oct. 13, 1936. Republished Oct. 25.
Motors, Vertical hollow shaft electrical. U. S. Electrical Motors, Inc. 440,338, Aug. 24, 1948. Republished Oct. 25.

CLASS 22

Bags, Outdoor sleeping, tennis-racket covers, golf bags, and bowling ball bags. Talon, Inc. 516,701, Oct. 25; Serial No. 527,908, published July 12, 1949.
Balls, Inflatable. George E. Mousley, Inc. 516,872, Oct. 25; Serial No. 555,552, published June 21, 1949.
Balls, Rubber, lawn tennis balls, and football bladders. Helsingborgs Gummifabriks Aktiebolag. 516,893, Oct. 25; Serial No. 557,843, published July 19, 1949.
Baseball gloves and mitts. Wilson Sporting Goods Co. 516,822, Oct. 25; Serial No. 548,701, published July 5, 1949.
Cards, Playing. Arrco Playing Card Company. 516,848, Oct. 25; Serial No. 551,847, published June 21, 1949.
Casting and fishing floats. V. L. Lowrie. 516,823, Oct. 25; Serial No. 549,265, published July 5, 1949.
Dolls and dolls' clothes. Nancy Ann Dressed Dolls. 443,469, Oct. 25; Serial No. 471,710, published Aug. 22, 1949.
Educational handwork packets, Children's. M. L. Harm. 443,479, Oct. 25; Serial No. 511,328, published July 5, 1949.
Fishing lines. B. F. Gladding & Co. Inc. 516,697, Oct. 25; Serial No. 527,060, published June 28, 1949.
Fishing rods. Narmco Inc. 517,012, Oct. 25; Serial No. 552,685.
Fishing rods, fishing rod handles, etc. The American Fork and Hoe Company. 258,244, renewed July 2, 1949. O. G. Oct. 25.
Game. W. D. Hedenkamp. 443,482, Oct. 25; Serial No. 514,199, published June 14, 1949.
Game board. F. O. Bowers. 516,759, Oct. 25; Serial No. 541,073, published June 21, 1949.
Game, Card. L. Maples. 516,883, Oct. 25; Serial No. 557,057, published June 14, 1949.
Games. American Shuffleboard Company. 516,723, Oct. 25; Serial No. 536,215, published July 19, 1949.
Golf balls. Acushnet Process Company. 516,729, Oct. 25; Serial No. 537,273, published July 12, 1949.
Golf balls. The Worthington Ball Company. 516,699, Oct. 25; Serial No. 527,779, published July 5, 1949.
Gymnasium apparatus. Henry Modell & Co., Inc. 516,761, Oct. 25; Serial No. 541,158, published July 5, 1949.
Hobbyhorses, Spring. William B. Coggin, Inc. 443,472, Oct. 25; Serial No. 492,309, published May 7, 1946.
Hooks, Gaff, frog spears, ice spuds, and fish spears. R. Jameson. 516,826, Oct. 25; Serial No. 549,934, published July 5, 1949.
Keels, Trolling. Fishmaster Sporting Goods Co. 443,475. Oct. 25; Serial No. 500,381, published July 12, 1949.
Playing cards, Sets of. S. Braude. 516,819, Oct. 25; Serial No. 548,571, published July 5, 1949.
Scooters and wheelbarrows, Children's. United Specialties Company. 516,672, Oct. 25; Serial No. 506,074, published June 21, 1949.
Skis. The Sixty Sales Corporation. 516,891, Oct. 25; Serial No. 557,561, published July 5, 1949.
Softballs. A. G. Spalding & Bros. Inc. 516,726, Oct. 25; Serial No. 536,650, published June 14, 1949.
Stools, adjustable hurdles, back-stands, etc., Abdominal. Fred Medart Manufacturing Company. 516,704, Oct. 25; Serial No. 530,947, published July 5, 1949.
Swings, Baby. Welsh Co. 516,832, Oct. 25; Serial No. 550,763, published June 21, 1949.
Tennis balls, Lawn. A. W. Phillips Limited. 323,621, Apr. 23, 1935. Republished Oct. 25.
Tennis rackets and badminton rackets. A. G. Spalding & Bros. Inc. 516,738, Oct. 25; Serial No. 538,668, published June 21, 1949.
Tennis rackets, badminton rackets, squash rackets, and table tennis bats. A. G. Spalding & Bros. Inc. 516,739, Oct. 25; Serial No. 538,669, published June 14, 1949.
Toy balloon animals. The Oak Rubber Company. 516,873, Oct. 25; Serial No. 555,689, published June 21, 1949.
Toy footballs and footballs. Franklin Manufacturing Company, Inc. 516,779, Oct. 25; Serial No. 543,589, published June 21, 1949.
Toy footballs and footballs. Franklin Manufacturing Company, Inc. 516,780–1, Oct. 25; Serial Nos. 543,591–2, published June 21, 1949.
Toy footballs and footballs. Franklin Manufacturing Company, Inc. 516,782, Oct. 25; Serial No. 543,594, published June 21, 1949.
Toy model aircraft and other toys, Packaged materials to be used in the construction of. Rokwell Industries, Inc. 443,493, Oct. 25; Serial No. 522,372, published June 28, 1949.
Toy rubber balloons. Bayshore Industries, Inc. 516,878, Oct. 25; Serial No. 556,241, published June 21, 1949.
Toys. M. F. Booth. 443,477, Oct. 25; Serial No. 508,967, published June 14, 1949.
Toys. Sears, Roebuck and Co. 404,721, Dec. 21, 1943. Republished Oct. 25.
Toys. The Metal Ware Corporation. 516,688, Oct. 25; Serial No. 522,204, published July 5, 1949.
Toys, Children's. The Metal Ware Corporation. 516,687, Oct. 25; Serial No. 522,202, published July 12, 1949.
Toys, Children's pull. Tuffy Toys. 443,481, Oct. 25; Serial No. 514,152, published Sept. 30, 1947.
Toys, Educational, wheel toys, hobby toys, etc. Sears, Roebuck and Co. 411,427, Jan. 16, 1945. Republished Oct. 25.
Toys, Pull. Pacific Wire Products Corporation. 443,473, Oct. 25; Serial No. 494,861, published June 21, 1949.
Toys, Stuffed. Richard G. Krueger, Incorporated. 516,884, Oct. 25; Serial No. 557,048, published June 14, 1949.
Toys, Stuffed animal. E. Fayne. 516,741, Oct. 25; Serial No. 539,147, published July 5, 1949.
Vehicle, Coasting. Poloron Products, Inc. 516,825, Oct. 25; Serial No. 549,752, published June 21, 1949.
Velocipedes, children's scooters, children's bicycles. The Hettrick Manufacturing Company. 516,706, Oct. 25; Serial No. 531,133, published July 12, 1949.
Velocipedes, scooters, pedal cars, etc., Children's. Hedstrom-Union Company. 517,013, Oct. 25; Serial No. 554,493.

CLASS 23

Board, Canvas pastry. E. S. Gandrud. 516,710, Oct. 25; Serial No. 532,583, published July 12, 1949.
Cooling and dispensing units and parts thereof, Combined. A. M. Pohl. 443,474, Oct. 25; Serial No. 499,074, published July 12, 1949.
Cranes, Mobile. Hyster Company. 443,470, Oct. 25; Serial No. 474,078, published July 31, 1945.
Cylinders, Air, Air-Mite. 516,846, Oct. 25; Serial No. 551,602, published July 12, 1949.
Devices for carrying agricultural tools and connecting them to tractors, etc. Moline Plow Company, Incorporated. 171,596, Aug. 7, 1923. Republished Oct. 25.

Devices, Railroad signal warning. Hastings Signal & Equipment Co. 516,683, Oct. 25; Serial No. 515,176, published July 26, 1949.
Earth drills. The Buda Company. 516,700, Oct. 25; Serial No. 527,852, published July 12, 1949.
Elevators, Fluid operated freight and passenger, and automobile, bus, truck, and freight lifts. Rotary Lift Company. 398,983, Dec. 8, 1942. Republished Oct. 25.
Elevators, Non-electric freight and passenger, and automobile, bus, truck, and freight lifts. Rotary Lift Company. 395,070, May 12, 1942. Republished Oct. 25.
Engines, tractors, hand presses, etc., Internal-combustion. International Harvester Company of America. 76,118, re-renewed Dec. 14, 1949. O. G. Oct. 25.
Engines, Jordan. E. D. Jones & Sons Company. 516,673, Oct. 25; Serial No. 506,322, published July 26, 1949.
Hammer mills. Minneapolis-Moline Power Implement Company. 293,653, May 3, 1932. Republished Oct. 25.
Hoists and winches. Auto Truck Equipment Company. 516,771, Oct 25; Serial No. 542,504, published July 19, 1949.
Hoists and winches. Auto Truck Equipment Company. 516,772, Oct. 25; Serial No. 542,509, published July 19, 1949.
Implements, Tractor-drawn mounted and/or powered, etc. Dearborn Motors Corporation. 517,011, Oct. 25; Serial No. 547,517.
Knives, Pocket, and hand manipulated letter openers. Colonial Knife Company, Inc. 516,987, Oct. 25; Serial No. 573,230, published July 19, 1949.
Lathes and screw machines, attachments and parts thereof. The Lodge and Shipley Company. 516,693, Oct. 25; Serial No. 524,804, published July 26, 1949.
Lawn mowers. The Moto-Mower Company. 516,766, Oct. 25; Serial No. 524,804, published July 26, 1949.
Machines and repair parts therefor, Office composing. R. C. Coxhead. 510,548, June 7, 1949. Corrected. O. G. Oct 25.
Motors and parts, Outboard. Outboard, Marine and Manufacturing Company. 516,807, Oct. 25; Serial No. 546,421, published July 26, 1949.
Pliers. Champion De Arment Tool Company. 516,728, Oct. 25; Serial No. 537,006, published July 12, 1949.
Plows. Moline Plow Company. 162,830, Dec. 26, 1922. Republished Oct. 25.
Plows, Middle-breaker and parts thereof. Brinly-Hardy Company. 516,834, Oct. 25; Serial No. 550,894, published July 12, 1949.
Presses, Metal working, metal drawing machines, can making and filling machines, etc. E. W. Bliss Company. 363,435, Dec. 27, 1938. Republished Oct. 25.
Saws. Simonds Saw and Steel Company. 263,267, Nov. 5, 1929. Republished Oct. 25.
Shoe lasts and stands, Cast metal. The Dalton Foundries, Inc. 516,845, Oct. 25; Serial No. 551,545, published July 19 1949.
Spreaders, Manure, hammer mills, lime spreaders, etc. The General Implement Company of America, Inc. 420,195, Apr. 2, 1946. Republished Oct. 25.
Tools, apparatus and machines. Aircraft Screw Products Company, Inc. 516,681, Oct. 25; Serial No. 512,475, published July 12, 1949.
Turnstiles and like passage-controlling gates. Perey Manufacturing Company, Inc. 312,729, May 8, 1934. Republished Oct. 25.

CLASS 26

Cameras, Photographic, optical instruments, precision measuring instruments. Taylor, Taylor & Hobson, Limited. 516,670, Oct. 25; Serial No. 499,025, published June 28, 1949.
Cameras, Still, lenses for cameras, photographic film. International Camera Company. 516,988, Oct. 25; Serial No. 577,556, published June 21, 1949.
Cases, Eye glass. E. Rohrlich. 516,785, Oct. 25; Serial No. 544,114, published June 21, 1949.
Compasses. Marble Arms & Mfg. Company. 516,898, Oct. 25; Serial No. 558,150, published June 28, 1949.
Counting-machines. The C. J. Root Company. 74,899, re-renewed Aug. 17, 1949. O. G. Oct. 25.
Electrical apparatus for detecting the angular locus of static and dynamic unbalance of wheels. Stewart-Warner Corporation. 442,990, June 28, 1949. Republished Oct. 25.
Films and records. Universal Pictures Company, Inc. 443,483–4, Oct. 25; Serial Nos. 516,452–3, published June 21, 1949.
Goggles, Sun glare. H. B. Laymon. 516,929, Oct. 25; Serial No. 562,785, published June 21.
Instruments for measuring or determining the temperatures, speeds, torques, etc. Elgin National Watch Company. 258,494, renewed July 9, 1949. O. G. Oct. 25.
Instruments, Optical. Square D Company. 516,668, Oct. 25; Serial No. 459,274, published June 28, 1949.
Measuring, controlling, and regulating instruments, systems, and apparatus. Bailey Meter Company. 516,791, Oct. 25; Serial No. 544,505, published June 21, 1949.
Meters, Electric. Rawson Electrical Instrument Company. 256,542, May 21, 1929. Republished Oct. 25.
Rules, Edgewise-folding. Stanley Rule and Level Company. 33,953–4, re-renewed Dec. 26, 1949. O. G. Oct. 25.
Spectacles, spectacle frames, spectacle glasses, etc. G. Ratti. 516,937, Oct. 25; Serial No. 563,753, published June 21, 1949.
Testers, Anti-freeze. National Carbon Company, Inc. 516,924, Oct. 25; Serial No. 561,762, published June 21, 1949.
Turnstiles, Counting and recording, and like passage-controlling barriers of the rotary type. Perey Manufacturing Company, Inc. 314,069, June 19, 1934. Republished Oct. 25.
Valves, Thermostatically controlled. Bell & Gossett Company. 516,676, Oct. 25; Serial No. 509,133, published June 21, 1949.

CLASS 27

Watches. De Natale Jewelry Co. 264,172, renewed Nov. 19, 1949. O. G. Oct. 25.

CLASS 28

Forks knives, spoons, etc. The Ellmore Silver Co. 443,035, July 5, 1949. Republished Oct. 25.
Jewelry. A. L. Rappaport. 517,030, Oct. 25; Serial No. 573,973.

CLASS 29

Applicators for spreading liquid wax, Hand, and bottle brushes. Armstrong Cork Company. 516,694, Oct. 25; Serial No. 524,934, published July 26, 1949.
Brooms. Modglin Company, Inc. 516,902, Oct. 25; Serial No. 558,575, published July 26, 1949.
Brushes, hair brush sets and hair brush handles, Hair. Lactona Incorporated. 443,492, Oct. 25; Serial No. 521,900, published June 1, 1948.
Mill ends, Laundered. Baylis Sanitary Supply Co. 516,812, Oct. 25; Serial No. 547,510, published July 26, 1949.
Mops, Dust. O-Cedar Corp'n. 516,767, Oct. 25; Serial No. 541,770, published July 26.
Mops, Dust. O-Cedar Corp'n. 516,768, Oct. 25; Serial No. 541,772, published July 26, 1949.
Powder puffs. Walgreen Co. 516,758, Oct. 25; Serial No. 541,055, published July 12, 1949.
Rags, Wiping. S. Blend. 516,866, Oct. 25; Serial No. 554,762, published July 26, 1949.
Toothbrushes. Owens Brush Company. 517,028, Oct. 25; Serial No. 566,540.

CLASS 32

Beds. Englander Spring Bed Company. 257,599, renewed June 11, 1949. O. G. Oct. 25.
Beds, bookcases, buffets, etc. Harlem Furniture Company. 108,699. Feb. 22, 1916. Republished Oct. 25.
Cabinets, Merchandising. The Lamson & Sessions Co. 516,760, Oct. 25; Serial No. 541,149, published June 28, 1949.
Chairs, Office, household, and factory. W. S. Ferris. 264,882, renewed Dec. 10, 1949. O. G. Oct. 25.
Desks, tables, bookcases, etc. Doten-Dunton Desk Co. 76,021, re-renewed Dec. 7, 1949. O. G. Oct. 25.
Mattresses. S. Karpen & Bros. 516,865, Oct. 25; Serial No. 554,676, published July 5, 1949.
Mattresses and sofa beds, studio couches, and upholstered chairs. Sealy, Incorporated. 426,168, Dec. 17, 1946. Republished Oct. 25.

CLASS 34

Air-conditioning units; heating coil; air fans, etc. Melchior, Armstrong, Dessau Co. of Delaware, Inc. 516,091–2, Oct. 25; Serial Nos. 524,552–3, published July 26, 1949.
Boilers, Range. National Steel Construction Co. 516,801, Oct. 25; Serial No. 545,755, published June 21, 1949.
Burners, Gas. Motor Wheel Corporation. 516,925, Oct. 25; Serial No. 561,844, published June 28, 1949.
Fluid burner control apparatus and parts thereof, Differential Expansion thermally actuated. The Burkay Co. 423,257, Aug. 27, 1946. Republished Oct. 25.
Lamps, Gas and lanterns; hollow-wire gas lighting systems and fixtures; etc. The Coleman Company, Inc. 516,713, Oct. 25; Serial No. 533,146, published July 5, 1949.
Lanterns and lamps, Gasoline and kerosene, and incandescent mantles and reflectors, etc. S. F. Appliances, Limited. 516,793, Oct. 25; Serial No. 544,782, published June 21, 1949.
Pressure heating and hot water tanks, range boilers, hot water heaters, etc. Troop Water Heater Company. 516,750–2, Oct. 25; Serial Nos. 540,489–91, published June 21, 1949.
Reflectors. R. E. Blanchard. 516,809, Oct. 25; Serial No. 546,645, published June 21, 1949.
Steam line connections, locomotive grate shakers, and locomotive fire doors, Car. Franklin Railway Supply Company. 516,703, Oct. 25; Serial No. 530,186, published June 29, 1948.
Stoves, Picnic or out of door. Union Steel Products Company. 516,827, Oct. 25; Serial No. 549,989, published July 5, 1949.
Welding and cutting apparatus, Gas, and supplies. National Cylinder Gas Company. 516,806, Oct. 25; Serial No. 546,412, published June 28, 1949.
Welding and cutting apparatus, Gas, and supplies. National Cylinder Gas Company. 516,808, Oct. 25; Serial No. 546,594, published June 21, 1[illegible]

CLASS 35

Tires and tubes, Rubber. Ajax Rubber Company, Inc. 256,290, renewed May 14, 1949. O. G. Oct. 25.

CLASS 37

Binders, Loose leaf post. National Blank Book Company. 516,802, Oct. 25; Serial No. 546,010, published July 12, 1949.
Blanks, Printed. A. C. Tie. 516,869, Oct. 25; Serial No. 555,323, published July 12, 1949.
Books, Calendar, and memorandum books. Nascon Service, Inc. 338,598, Sept. 8, 1936. Republished Oct. 25.
Books, Stamp. The Sperry and Hutchinson Company. 516,709, Oct. 25; Serial No. 532,516, published July 19, 1949.
Card system, Loose-leaf daily memorandum. Wilson Memindex Company. 516,679, Oct. 25; Serial No. 511,916, published Sept. 7, 1948.
Clips, Paper. Baines & Polk Mfg. Co. 517,016, Oct. 25; Serial No. 557,820.
Cloth, Tracing. Arkwright Finishing Company. 516,796, Oct. 25; Serial No. 544,963, published June 21, 1949.
Crayons. Binney & Smith Company. 516,882, Oct. 25; Serial No. 556,864, published July 5, 1949.
Crayons, Dustless. Weber Costello Co. 516,712, Oct. 25; Serial No. 532,781, published June 21, 1949.
Draperies, Paper. Wallscott Products, Inc. 516,894, Oct. 25; Serial No. 557,975, published July 12, 1949.
Envelopes, manuscript covers, file folders and file pockets, all of paper, Sales information. Curtis 1000 Incorporated. 517,014, Oct. 25; Serial No. 556,177.
Envelopes of paper, Advertising and business correspondence. Curtis 1000 Inc. 443,497, Oct. 25; Serial No. 524,380, published July 19, 1949.
Leather products, Artificial. The S. K. Smith Company. 516,707, Oct. 25; Serial No. 531,252, published June 21, 1949.
Mechanical pencils, wood encased lead pencils, slate pencils and ink pencils. A. W. Faber-Castell Pencil Company, Incorporated. 516,680, Oct. 25; Serial No. 512,171, published July 19, 1949.
Mounts for photographs or the like. The Chilcote Company. 516,711, Oct. 25; Serial No. 532,689, published July 19, 1949.
Napkins, Paper. Frank M. Sayford Company Incorporated. 516,881, Oct. 25; Serial No. 556,825, published July 12, 1949.
Paper. Valley Paper Company. 516,702, Oct. 25; Serial No. 528,023, published July 5, 1949.
Paper, Asbestos pattern and tracing. Grant Wilson, Incorporated. 516,675, Oct. 25; Serial No. 509,121, published July 19, 1949.
Paper bibs, Disposable. Ward Paper Company. 517,000, Oct. 25; Serial No. 520,913.
Paper, Bond. Lee Paper Company. 516,883, Oct. 25; Serial No. 556,899, published June 21, 1949.
Paper, boxed stationery, tablets and manuscript cover, Bond, ledger writing, map, book, index and onionskin. Neenah Paper Company. 516,829, Oct. 25; Serial No. 550,543, published July 19, 1949.
Paper, Cigarette, carbonizing tissue, condenser paper, etc. Peter J. Schweitzer, Inc. 516,918, Oct. 25; Serial No. 560,928, published July 5, 1949.
Paper, Decalcomania. Mid-States Gummed Paper Co. 516,792, Oct. 25; Serial No. 544,641, published June 21, 1949.
Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 443,476, Oct. 25; Serial No. 508,862, published July 19, 1949.
Paper, Newsprint. Consolidated Paper Corporation Limited. 443,498, Oct. 25; Serial No. 524,525, published July 19, 1949.
Paper, Plastic coated. Duroid Products, Incorporated. 516,899, Oct. 25; Serial No. 558,375, published July 19, 1949.
Paper towels and towel paper. Brown Company. 516,684, Oct. 25; Serial No. 517,350, published June 28, 1949.
Paper, Wet-strength. H. P. Smith Paper Company. 516,814, Oct. 25; Serial No. 547,783, published June 21, 1949.
Paper, Wrapping, tissue paper, paper towels, etc. Charles S. Sher Company Inc. 443,491, Oct. 25; Serial No. 521,365, published June 21, 1949.
Paper, Wrapping, waxed paper. Independent Grocers' Alliance Distributing Co. 516,996, Oct. 25; Serial No. 511,998.
Paper, Writing, printing and wrapping, and cardboard. Eastern Corporation. 516,912, Oct. 25; Serial No. 560,193, published July 5, 1949.
Paper, Writing, printing paper, correspondence envelopes and paper for bonds, securities and currency. Crane & Co., Inc. 516,839–40, Oct. 25; Serial Nos. 551,247–8, published June 21, 1949.
Paper, Writing, typewriter and printing. Valley Paper Company. 516,698, Oct. 25; Serial No. 527,772, published June 21, 1949.
Papers, Specially treated and prepared fluorescent drawing, and illustration board. Kemart Corporation. 516,863, Oct. 25; Serial No. 554,124 published July 5, 1949.
Papers, Writing. West Virginia Pulp and Paper Company. 516,855, Oct. 25; Serial No. 553,041, published July 5, 1949.
Papers, Writing, printing papers, correspondence cards, etc. Schlosser Paper Corporation. 516,803, Oct. 25; Serial No. 546,056, published June 28, 1949.
Pencils, Lead, and colored pencils. L. & C. Hardtmuth, Inc. 516,717, Oct. 25; Serial No. 534,117, published June 21, 1949.
Pencils, Wood-encased. L. & C. Hardtmuth, Inc. 516,716, Oct. 25; Serial No. 534,116, published June 21, 1949.
Pens, Ball. S. M. Sager. 516,696, Oct. 25; Serial No. 528,893, published July 12, 1949.
Pens, Fountain. Flo-Ball Pen Corporation. 516,997, Oct. 25; Serial No. 518,290.
Shield or tag, Paper. Dancyger Manufacturing Company. 516,889, Oct. 25; Serial No. 557,505, published July 5, 1949.
Stationery. Stuart Hall Company, Inc. 517,020, Oct. 25; Serial No. 561,696.
Tablets, practice paper, blanks, etc. Kurtz Bros. 219,420, Oct. 19, 1926. Republished Oct. 25.
Tissue, Toilet, paper towels and paper napkins. White-Washburne Company, Inc. 516,887, Oct. 25; Serial No. 557,423, published July 5, 1949.
Tissues, Facial and toilet. Thomson Paper Mills, Inc. 516,867, Oct. 25; Serial No. 555,209, published June 21, 1949.
Wallpaper. United Wallpaper, Inc. 516,914, Oct. 25; Serial No. 560,587, published July 12, 1949.
Writing instruments. Brown & Bigelow. 516,671, Oct. 25; Serial No. 303,549, published July 19, 1949.

CLASS 38

Books. L. C. Page & Company. 47,473, Nov. 7, 1905. Republished Oct. 25.
Books, Printed. The Junior Literary Guild, Inc. 258,821, July 16, 1929. New certificate. O. G. Oct. 25.
Catalogues, circulars, and pamphlets. The National-Acme Mfg. Co. 73,868, re-renewed May 25, 1949. O. G. Oct. 25.
Magazine. The American Oil Chemists' Society. 517,010, Oct. 25; Serial No. 546,939.
Magazine. Zlff-Davis Publishing Company. 517,025, Oct. 25; Serial No. 565,096.
Newspaper, Daily. The Mobile Press Publishing Company. 261,848, Sept. 17, 1929. Republished Oct. 25.
Periodical, Monthly. Kurt Versen Company. 517,024, Oct. 25; Serial No. 563,705.
Publication, Monthly. Fawcett Publications, Inc. 517,027, Oct. 25; Serial No. 566,331.
Publication, Monthly. The Journal Publishing Co., Inc. 516,990, Oct. 25; Serial No. 507,405.

CLASS 39

Blouses, pinafores, skirts, etc., Misses', girls', and children's. Dainty Blouse Mfg. Co. 517,002, Oct. 25; Serial No. 523,569.
Boots and shoes, Men's and boys' leather. A. A. Williams. 127,301, Nov. 4, 1919. Republished Oct. 25.
Coats, suits, jackets, and coat and suit ensembles, Ladies' and misses'. A. Davis & Sons. 421,367, May 28, 1946. Republished Oct. 25.
Collars, cuffs, jabots, sleves, vestees, etc. Famous Creations Inc. 516,994, Oct. 25; Serial No. 509,762.
Corsets and brassieres. Sears, Roebuck and Co. 404,277, Nov. 16, 1943. Republished Oct. 25.
Heels, Rubber. Bradstone Rubber Company. 254,659, renewed Mar. 26, 1949. O. G. Oct. 25.
Hosiery. Neisner Brothers, Inc. 257,563, renewed June 11, 1949. O. G. Oct. 25.
Hosiery. Neisner Brothers, Inc. 259,687, renewed Aug. 6, 1949. O. G. Oct. 25.
Hosiery. Neisner Brothers, Inc. 259,853, renewed Aug. 13, 1949. O. G. Oct. 25.
Hosiery, Men's and children's. Maryon Hosiery Mill. 552,788, May 31, 1949. Republished Oct. 25.
Jackets, Women's, shirts, slacks, coats, etc. V. Gutwillig. 516,995, Oct. 25; Serial No. 511,742.
Neckties. Botany Mills, Inc. 517,006, Oct. 25; Serial No. 536,753.
Neckties. Botany Mills, Inc. 517,017, Oct. 25; Serial No. 558,545.
Overalls, snow suits, ski pants, sun suits, Children's. Wess Mfg. Co. 516,991, Oct. 25; Serial No. 508,879.
Raincoats for men. Swallow Raincoats Limited. 352,953, Dec. 21, 1937. Republished Oct. 25.
Rubber footwear, Men's and boys', shoes. Sears, Roebuck and Co. 390,406, Sept. 23, 1941. Republished Oct. 25.
Sack coats, cutaway coats, full dress suits, etc., Men's. D. T. Langrock, Inc. 190,197, Oct. 7, 1924. Republished Oct. 25.
Shirts and knitted and netted underwear, Men's negligee. Phillips-Jones Corporation. 259,779–80, renewed Aug. 6, 1949. O. G. Oct. 25.
Shirts, Negligee and sport. The Manhattan Shirt Company. 263,758, Nov. 12, 1929. Republished Oct. 25.
Shoes. Shoes Associated, Inc. 517,031, Oct. 25; Serial No. 549,395.
Shoes, Leather. Stone-Tarlow Co., Inc. 398,940, Dec. 8, 1942. Republished Oct. 25.
Shoes, Women's and children's. Sears, Roebuck and Co. 380,848 Sept. 3, 1940. Republished Oct. 25.
Slippers, Felt. H. Wilhelm. 155,869, June 6, 1922. Republished Oct. 25.

Slips, pajamas, and night-gowns, Women's and misses'. Dutchess Underwear Corporation. 349, 565, Aug. 31, 1937. Republished Oct. 25.
Stockings. Mission Hosiery Mills. 265,447, renewed Dec. 24, 1949. O. G. Oct. 25.
Sweaters, knitted coats, knitted bath suits; etc., Men's women's, and children's knitted. M. B. Nierenberg. 313,636, June 5, 1934. Republished Oct. 25.
Undergarments, Women's and misses'. I. B. Kleinert Rubber Company. 517,026, Oct. 25; Serial No. 565,554.
Underwear, Knit, and cut and sewn underwear, etc. The Manhattan Shirt Company. 258,030, June 25, 1929. Republished Oct. 25.
Underwear, Ladies', men's, and children's. Carter Dry Goods Co. 181,199, Mar. 18, 1924. Republished Oct. 25.
Underwear, Ladies', misses', and children's. Harrington & Waring. 275,021, Sept. 9, 1930. Republished Oct. 25.
Wearing apparel, Articles of, for women and girls. B. Altman & Co. 516,880, Oct. 25; Serial No. 556,525, published July 5, 1949.
Wearing apparel, Ladies'. Dutchess Underwear Corporation. 517,022, Oct. 25; Serial No. 562,252.
Wearing apparel, Women's and children's. Royal Worcester Corset Company. 260,464, Aug. 27, 1929. Amended. O. G. Oct. 25.
Wearing apparel, Women's and children's. Royal Worcester Corset Company. 262,989, Oct. 29, 1929. Amended. O. G. Oct. 25.

CLASS 40

Braids, Millinery. Armand Schwab & Co., Inc. 516,904, Oct. 25; Serial No. 558,741, published June 28, 1949.
Braids, Millinery. Armand Schwab & Co., Inc. 516,910, Oct. 25; Serial No. 559,490, published June 28, 1949.
Buckles, Snap. Rau Fastener Company. 516,714, Oct. 25; Serial No. 538,201, published July 19, 1949.
Buttons. Lacrinoid Products Limited. 516,858, Oct. 25; Serial No. 553,383, published July 5, 1949.
Buttons, Pearl. Excelsior Pearl Works, Inc. 516,976, Oct. 25; Serial No. 569,968, published July 26, 1949.
Clasp. Magneswitch, Inc. 516,947, Oct. 25; Serial No. 565,349, published July 26, 1949.
Clips, Curl. I. Leon Co., Inc. 516,957, Oct. 25; Serial No. 566,985, published July 26, 1949.
Decalcomania transfers. Oil Color Litho Company. 516,981, Oct. 25; Serial No. 570,627, published July 26, 1949.
Fasteners. Schalet-Pollack Corporation. 516,911, Oct. 25; Serial No. 559,550, published July 19, 1949.
Laces, Shoe. Rhode Island Textile Company. 516,982, Oct. 25; Serial No. 570,639, published June 21, 1949.
Laces, Shoe. Thomas Taylor & Sons, Inc. 516,954, Oct. 25; Serial No. 566,368, published June 28, 1949.
Laces, Shoe, and narrow elastic. Hughes Fawcett, Inc. 516,985, Oct. 25; Serial No. 571,274, published July 26, 1949.
Needles for making hooked rugs. Heirloom Needlework Guild, Inc. 516,978, Oct. 25; Serial No. 570,558, published July 26, 1949.
Needles, Hand sewing. R. C. Griswold. 516,960, Oct. 25; Serial No. 567,196, published June 28, 1949.
Needles, Sewing, embroidery, darning, knitting, and crochet. F. W. Woolworth Co. 516,918, Oct. 25; Serial No. 560,513, published July 26, 1949.
Pipings and trimmings of leather and of fabric. Wavershoe Trimming Co., Inc. 516,775, Oct. 25; Serial No. 542,897, published June 28, 1949.
Rumlings—lace and embroidery edgings, insertions. Frill-O-Tex Products, Inc. 517,019, Serial No. 561,232.
Sachet bags. M. P. Edger. 516,753, Oct. 25; Serial No. 540,650, published July 5, 1949.
Shoulder straps. I. B. Kleinert Rubber Company. 264,962, renewed Dec. 10, 1949. O. G. Oct. 25.

CLASS 42

Cloth, Woven. S. Stroock & Co. Inc. 516,906, Oct. 25; Serial No. 558,967, published May 31, 1949.
Curtains, Window, and draperies. Leslie Textiles, Inc. 516,857, Oct. 25; Serial No. 553,117, published July 5, 1949.
Curtains, Window, draperies, and bedspreads. Saltzson Drapery Company. 516,854, Oct. 25; Serial No. 552,805, published July 12, 1949.
Curtains, Window, table cloths, table scarves, etc. Plymouth Wholesale Dry Goods Corporation. 516,993, Oct. 25; Serial No. 509,456.
Fabric in the piece, Pile. E. F. Timme & Son. 260,642, renewed Aug. 27, 1949. O. G. Oct. 25.
Fabric, Nylon flannel. Burgess-Berliner Associates. 516,774, Oct. 25; Serial No. 542,746, published July 5, 1949.
Fabrics. Robert W. Hamilton, Inc. 516,939, Oct. 25; Serial No. 563,969, published July 19, 1949.
Fabrics. William Skinner & Sons. 516,931, Oct. 25; Serial No. 563,026, published May 31, 1949.
Fabrics, Cotton. Vivatex Processes, Inc. 259,662, renewed Aug. 6, 1949. O. G. Oct. 25.
Fabrics in the piece. Charmette Fabrics Company, Inc. 516,828, Oct. 25; Serial No. 550,486, published July 19, 1949.
Fabrics in the piece. National Mallinson Fabrics Corporation. 516,783, Oct. 25; Serial No. 543,974, published Nov. 16, 1948.
Fabrics in the piece, Knitted and woven. Draper Brothers Company. 517,018, Oct. 25; Serial No. 560,456.
Fabrics in the piece, nets and laces. Simon, Healey & Goldstein Inc. 443,490, Oct. 25; Serial No. 520,837, published Nov. 25, 1947.
Fabrics in the piece, Pile. E. F. Timme & Son. 260,648, renewed Aug. 27, 1949. O. G. Oct. 25.
Fabrics in the piece, Textile. Crest Fabrics Corp. 517,023, Oct. 25; Serial No. 563,450.
Fabrics in the piece, Textile. Hego Fabrics, Inc. 443,489, Oct. 25; Serial No. 520,807, published Dec. 23, 1947.
Fabrics in the piece, Textile. Mainzer Winton Co., Inc. 516,720, Oct. 25; Serial No. 534,795, published Nov. 2, 1948.
Fabrics in the piece, Woolen, cotton, and rayon. Winthrop Mills. 516,999, Oct. 25; Serial No. 518,994.
Fabrics in the piece, Worsted woolen gabardine. Susquehanna Mills, Inc. 443,499, Oct. 25; Serial No. 524,631, published Jan. 6, 1948.
Fabrics, Textile. Lonsdale Company. 516,816, Oct. 25; Serial No. 547,922, published July 5, 1949.
Piece goods. Cohn-Hall-Marx Co. 516,972, Oct. 25; Serial No. 568,586, published May 31, 1949.
Piece goods. Hornell Industries, Inc. 516,943, Oct. 25; Serial No. 564,511, published July 19, 1949.
Piece goods, Cotton. The Astrup Company. 517,005, Oct. 25; Serial No. 535,116.
Piece goods, Cotton. Arthur Beir & Co., Inc. 516,897, Oct. 25; Serial No. 558,098, published July 19, 1949.
Piece goods, Cotton. Robinson & Golluber, Inc. 516,922, Oct. 25; Serial No. 561,401, published July 12, 1949.
Piece goods, Rayon. Joseph Gluck Fabrics, Inc. 516,928, Oct. 25; Serial No. 562,138, published May 31, 1949.
Piece goods, Silk, rayon, woolen, etc. M. & W. Thomas Co. 516,685, Oct. 25; Serial No. 521,618, published Nov. 23. 1948.
Piece goods, Woolen. Forstmann Woolen Co. 516,945, Oct. 25; Serial No. 565,123, published July 19, 1949.
Piece goods, Woolen and worsted. Forstmann Woolen Company. 516,734, Oct. 25; Serial No. 563,924, published July 26, 1949.
Piece goods, Woolen and worsted. J. P. Stevens & Co., Inc. 516,719, Oct. 25; Serial No. 534,384, published July 19, 1949.
Piece goods, Woven. Layton-Grossman, Inc. 517,015, Oct. 25; Serial No. 557,758.
Rugs, Textile, bedspreads, automobile robes, and bath mat sets. Monarch Chenilles, Incorporated. 516,894, Oct. 25; Serial No. 557,859, published July 19, 1949.
Rugs, Tufted. W. V. Williams. 517,021, Oct. 25; Serial No. 561,868.
Rugs, Woolen. A. E. Andon's Sons, Inc. 516,944, Oct. 25; Serial No. 565,097, published July 19, 1949.
Sheeting, Rubberized. Holland-Rantos Company, Inc. 516,678, Oct. 25; Serial No. 509,847, published July 19, 1949.
Sheets, Crib. Deering, Milliken & Co., Inc. 443,486, Oct. 25; Serial No. 518,206, published Nov. 16, 1948.
Table linen, Decorative. Bernhard Ulmann Co., Inc. 516,852, Oct. 25; Serial No. 552,417, published May 31, 1949.
Textile blankets. Seymour Woolen Mills. 262,947, renewed Oct. 29, 1949. O. G. Oct. 25.
Towels and wash cloths. Plymouth Wholesale Dry Goods Corporation. 516,992, Oct. 25; Serial No. 509,451.
Towels of textile materials. Boott Mills. 517,007, Oct. 25; Serial No. 536,994.

CLASS 43

Cotton yarn. Fine Spinners & Doublers Limited. 516,984, Oct. 25; Serial No. 571,076, published July 26, 1949.
Opaque, multifilament yarn of rayon viscose. Soc. An. Italiana per le Fibre Tessili Artificiali gia Châtillon. 516,930, Oct. 25; Serial No. 562,965, published July 26, 1949.
Thread coated with cellulosic material. Plexon, Inc. 516,756, Oct. 25; Serial No. 540,708, published July 26, 1949.
Yarns and thread. B. Altman & Co. 516,977, Oct. 25; Serial No. 570,180, published July 26, 1949.

CLASS 44

Sanitary belts. Kotex Company. 265,413, renewed Dec. 24, 1949. O. G. Oct. 25.
Therapeutic devices. T. S. Warren. 303,416, May 23, 1933. Republished Oct. 25.

CLASS 45

Maltless soft drinks, syrup used in making maltless soft drinks and concentrated syrup used in making maltless soft drinks. Richardson Corporation. 517,001, Oct. 25; Serial No. 522,418.
Mineral water. The Apollinaris Company, Limited. 52,710, May 15, 1906. Republished Oct. 25.
Mineral water. The Apollinaris Company, Limited. 58,006, Dec. 4, 1906. Republished Oct. 25.
Mineral water. Die Actiengesellschaft Apollinaris Brunnen. 53,335, May 29, 1906. Republished Oct. 25.

CLASS 46

Alimentary pastes, canned ravioli, chili sauce, etc. Anthony Macaroni Co., Inc. 262,930, renewed Oct. 29, 1949. O. G. Oct. 25.
Appetizers, Ready-to-cook. M. C. Vietor. 516,798, Oct. 25; Serial No. 545,316, published July 5, 1949.
Bakery products. R. W. Trenerry. 443,488, Oct. 25; Serial No. 520,775, published Oct. 26, 1948.
Bread, rolls and coffee cakes. Gordon Baking Co. 516,686, Oct. 25; Serial No. 521,874, published July 5, 1949.
Breakfast-bacon. John Morrell & Company, Limited. 75,085, re-renewed Aug. 31, 1949. O. G. Oct. 25.
Butter. Mid-West Producers' Creameries, Inc. 332,774, Feb. 25, 1936. Republished Oct. 25.
Butter, Peanut. Worthington Foods, Inc. 516,787, Oct. 25; Serial No. 544,310, published July 5, 1949.
Candies. C. S. Allen Corporation. 516,742, Oct. 25; Serial No. 539,375, published July 12, 1949.
Candies. C. B. Lord. 516,817, Oct. 25; Serial No. 547,923, published July 5, 1949.
Candy. D. Goldenberg, Inc. 312,417, Apr. 24, 1934. Republished Oct. 25.
Candy and other food products. The Curtiss Candy Company. 516,757, Oct. 25; Serial No. 540,787, published July 5, 1949.
Candy bars. McAfee Candy Co., Inc. 516,755, Oct. 25; Serial No. 540,688, published June 14, 1949.
Canned apricots, applesauce, spiced crabapples, blackberries, etc. Joannes Brothers Company. 516,708, Oct. 25; Serial No. 531,916, published July 5, 1949.
Canned food product. Venice Maid Co., Inc. 516,784, Oct. 25; Serial No. 544,010, published July 5, 1949.
Canned, fresh, salt, smoked, and kippered fish. San Juan Fishing & Packing Co. 256,325, renewed May 14, 1949. O. G. Oct. 25.
Canned fruits. F. M. Ball & Company. 516,749, Oct. 25; Serial No. 540,365, published July 12, 1949.
Canned fruits. Fruitvale Canning Company. 516,754, Oct. 25; Serial No. 540,661, published July 12, 1949.
Canned fruits and vegetables. Pratt-Low Preserving Co. 443,494, Oct. 25; Serial No. 522,478, published May 31, 1949.
Canned fruits, canned vegetables, and canned citrus fruit juices. Mitchell Canneries, Inc. 516,724, Oct. 25; Serial No. 536,270, published July 12, 1949.
Canned fruits, dried fruits, raisins, etc. California Fruit Canners Association. 75,958, re-renewed Nov. 30, 1949. O. G. Oct. 25.
Canned sardines. Adolph Goldmark & Sons, Corp. 264,012, Nov. 12, 1929. Republished Oct. 25.
Canned sardines. M. J. & H. J. Meyer Co. Inc. 516,831, Oct. 25; Serial No. 550,715, published July 5, 1949.
Canned sliced apples, canned green asparagus, etc. Tom Boy, Inc. 516,732, Oct. 25; Serial No. 538,198, published July 5, 1949.
Canned tuna. E. Guerrero. 516,736, Oct. 25; Serial No. 538,407, published July 12, 1949.
Canned tuna fish. H. B. Kennerly & Son. 516,876, Oct. 25; Serial No. 556,105, published July 12, 1949.
Canned vegetables. Oostburg Canning Co. 256,530, renewed May 21, 1949. O. G. Oct. 25.
Cheese. The Schratter Corporation. 315,749, Aug. 7, 1934. Republished Oct. 25.
Cherries, Cocktail. Gray & Company. 384,409, Jan. 21, 1941. Amended. O. G. Oct. 25.
Chicken, Fried. Minute Grill of Charlotte, N. C., Inc. 516,677, Oct. 25; Serial No. 509,716, published July 5, 1949.
Chicken tamales, canned foods. Stidd's, Inc. 516,764, Oct. 25; Serial No. 541,474, published July 5, 1949.
Chocolate, Swiss milk. Nestlé and Anglo, Swiss Condensed Milk Co. 74,832, re-renewed Aug. 10, 1949. O. G. Oct. 25.
Cocoa. Rockwood & Co. 443,471, Oct. 25; Serial No. 483,631, published July 5, 1949.
Coffee. The Fred W. Albrecht Grocery Company. 264,336, renewed Nov. 26, 1949. O. G. Oct. 25.
Coffee. Baker Importing Company. 516,805, Oct. 25; Serial No. 546,344, published July 5, 1949.
Cranberry sauce; fruit preserves, jellies. First National Stores Inc. 516,824, Oct. 25; Serial No. 549,433, published July 5, 1949.
Dessert mix, Tapioca. The Great American Tea Company. 516,835, Oct. 25; Serial No. 550,912, published July 5, 1949.
Dressing, French. Rare Recipes. 516,737, Oct. 25; Serial No. 538,594, published July 5, 1949.
Edible soy flour. Spencer Kellogg and Sons Inc. 516,811, Oct. 25; Serial No. 546,881, published July 5, 1949.
Eggs, Fresh. Poultry Producers of Central California. 516,813, Oct. 25; Serial No. 547,572, published July 5, 1949.
Feed, Dairy. Ada Milling Company. 516,718, Oct. 25; Serial No. 534,224, published July 5, 1949.
Feed, Dairy, horse feed, rabbit feed and poultry feed. Dietrich & Gambrill, Inc. 516,746, Oct. 25; Serial No. 539,941, published July 5, 1949.
Feeds for livestocks and poultry. F. H. Peavey & Company. 516,690, Oct. 25; Serial No. 523,859, published July 5, 1949.
Feeds, Poultry. Hales & Hunter Co. 516,743–4, Oct. 25; Serial Nos. 539,696–7, published July 12, 1949.
Flour for doughnuts and cakes, Prepared. Pillsbury Flour Mills Company. 317,965, Oct. 9, 1934. Republished Oct. 25.
Flour, Wheat. Pillsbury Flour Mills Company. 334,192, Apr. 21, 1936. Republished Oct. 25.
Flour, Wheat. Standard Milling Company. 516,843, Oct. 25; Serial No. 551,413, published July 5, 1949.
Flour, Wheat. Standard Milling Company. 516,844, Oct. 25; Serial No. 551,414, published July 5, 1949.
Food flavoring, Imitation vanilla, cocoa, fruit cake mixture, and extracts for flavoring foods. The Great American Tea Company. 516,837, Oct. 25; Serial No. 550,918, published July 5, 1949.
Food flavorings. V. M. Bluem. 516,788, Oct. 25; Serial No. 544,319, published July 12, 1949.
Fruits, Citrus. Azusa-Covina-Glendora Fruit Exchange. 76,100, re-renewed Dec. 14, 1949. O. G. Oct. 25.
Fruits, Dried. T. Matthew. 516,849, Oct. 25; Serial No. 552,157, published July 5, 1949.
Fruits, Fresh citrus. Leppla-Pratt Produce Distributors, Incorporated. 516,789, Oct. 25; Serial No. 544,354, published July 12, 1949.
Fruits, Fresh citrus. Leppla-Pratt Produce Distributors, Incorporated. 516,790, Oct. 25; Serial No. 544,356, published July 12, 1949.
Fruits, Fresh citrus. W. N. Moore. 77,133, Mar. 15, 1910. Republished Oct. 25.
Fruits, Fresh citrus. Redlands Select Groves. 516,842, Oct. 25; Serial No. 551,312, published July 5, 1949.
Fruits, Fresh citrus. W. G. Roe. 173,710, Oct. 2, 1923. Republished Oct. 25.
Fruits, Fresh citrus. W. G. Roe. 177,883, Jan. 1, 1924. Republished Oct. 25.
Fruits, Fresh citrus. W. G. Roe. 188,274, Aug. 19, 1924. Republished Oct. 25.
Fruits, Fresh citrus. Wm. G. Roe & Company, Inc. 294,860, June 7, 1932. Republished Oct. 25.
Fruits, Fresh citrus. Winter Haven Fruit Sales Corporation. 309,675, Aug. 22, 1933. Republished Oct. 25.
Fruits, Fresh citrus. Winterhaven Fruit Sales Corporation. 328,069, Sept. 17, 1935. Republished Oct. 25.
Fruits, Fresh citrus. Winter Haven Fruit Sales Corporation. 333,299, Mar. 17, 1936. Republished Oct. 25.
Fruits, Fresh citrus and deciduous. W. G. Roe. 172,065, Aug. 21, 1923. Republished Oct. 25.
Grapes, Fresh. Sequoia Foothill Fruit Growers. 263,604, renewed Nov. 5, 1949. O. G. Oct. 25.
Herring, Smoked. Gorton-Pew Fisheries Company, Ltd. 516,770, Oct. 25; Serial No. 542,307, published July 5, 1949.
Honey, apple sauce, olive oil, etc. The Quaker Maid Company, Inc. 516,745, Oct. 25; Serial No. 539,899, published July 12, 1949.
Lard. Dold Packing Corporation. 516,804, Oct. 25; Serial No. 546,285, published July 5, 1949.
Lard. Hygrade Food Products Corporation. 516,799, Oct. 25; Serial No. 545,375, published July 5, 1949.
Lemons, oranges, and grapefruit. E. H. Spalding. 102,847–50, Feb. 23, 1915. Republished Oct. 25.
Macaroni. Sanacori & Co. 262,643, renewed Oct. 15, 1949. O. G. Oct. 25.
Milk, Malted. Adolph Coors Company. 516,815, Oct. 25; Serial No. 547,836, published July 12, 1949.
Milk solids, Non-fat dry. Golden State Company, Ltd. 516,735, Oct. 25; Serial No. 538,399, published July 5, 1949.
Mince meat, currants, dates and prepared fruit pectin. The W. H. Marvin Company. 516,800, Oct. 25; Serial No. 545,381, published July 5, 1949.
Oleomargarine. John F. Jelke Company. 516,669, Oct. 25; Serial No. 486,781, published July 5, 1949.
Olive, relish and uncoated white rice. The Great Atlantic and Pacific Tea Company. 516,847, Oct. 25; Serial No. 551,709, published July 5, 1949.
Organic chemical compounds, Synthetic. Florasynth Laboratories Inc. 263,487–8, renewed Nov. 5, 1949. O. G. Oct. 25.
Potato chips. G. G. Eger. 516,797, Oct. 25; Serial No. 544,986, published July 5, 1949.
Preparation consisting of roasted rye, wheat, and chicory to be used for blending with coffee. The Great American Tea Company. 516,836, Oct. 25; Serial No. 550,914, published July 5, 1949.
Prepared mixture for the making of cakes, rolls, doughnuts, etc. Pillsbury Flour Mills Company. 370,115, Aug. 15, 1939. Republished Oct. 25.
Salt and celery mixture. The Great American Tea Company. 516,830, Oct. 25; Serial No. 550,689, published July 5, 1949.
Soup, Frozen split pea, and dehydrated split peas. Andersen's Foods, Inc. 516,705, Oct. 25; Serial No. 531,003, published Mar. 1, 1949.
Soup, Turtle. N. Thompson. 516,776, Oct. 25; Serial No. 543,237, published July 5, 1949.
Vegetables, Fresh. M. Luts. 516,810, Oct. 25; Serial No. 546,714, published May 10, 1949.
Vegetables, Fresh, and fresh deciduous fruits. Osage Produce Company. 401,423, May 18, 1943. Republished Oct. 25.
Wafers or crackers, Wheat. The Maryland Biscuit Company. 443,501, Oct. 25; Serial No. 525,897, published July 5, 1949.

Zwieback. United Biscuit Company of America. 516,821, Oct. 25; Serial No. 548,699, published July 5, 1949.

CLASS 47

Claret in bottles. Compania Vinicola del Norte de Espana. 52,478, May 8, 1906. Republished Oct. 25.

CLASS 48

Ale. The Drewrys Ltd., U. S. A. 320,940, Jan. 15, 1935. Republished Oct. 25.

CLASS 49

Creme de cacao. Hiram Walker & Sons, Inc. 376,906, Apr. 9, 1940. Republished Oct. 25.
Creme de menthe. Hiram Walker & Sons, Inc. 376,902, Apr. 9, 1940. Republished Oct. 25.
Orange curacao. Hiram Walker & Sons, Inc. 376,907, Apr. 9, 1940. Republished Oct. 25.
Kummel. Hiram Walker & Sons, Inc. 376,908, Apr. 9, 1940. Republished Oct. 25.

CLASS 50

Cemetery monuments. Sears, Roebuck and Co. 429,142, Apr. 22, 1947. Republished Oct. 25.
Forms, Dress. F. S. Sander. 516,850, Oct. 25; Serial No. 552,199, published July 5, 1949.
Forms, Shoe. Shoe Form Co. Inc. 253,620, renewed Mar. 5, 1949. O. G. Oct. 25.
Mats or matrices, Stereotype. Wood Flong Corporation. 516,851, Oct. 25; Serial No. 552,327, published July 5, 1949.
Parcel post sets. Mounties, Inc. 517,008, Oct. 25; Serial No. 537,606.
Plastic covers, Protective. Kennedy Car Liner & Bag Co., Inc. 516,838, Oct. 25; Serial No. 551,109, published July 5, 1949.
Platforms, Pallet and skid. Williford Manufacturing Company. 516,818, Oct. 25; Serial No. 548,205, published July 5, 1949.
Swatters, Fly. Clover Farm Stores Corporation. 516,861, Oct. 25; Serial No. 554,089, published July 19, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Kane, Frank A., Jr., Fairfield, Conn. Tube coupling. Re. 23,157, Oct. 25.
Little, Harry C., San Rafael, Calif. Pot type oil burner. Re. 23,158, Oct. 25.
Machlet, George A. F., Elizabeth, N. J. Electronic measuring and control apparatus. Re. 23,159, Oct. 25.
Machlet, George A. F., Elizabeth, N. J. Measuring and control apparatus. Re. 23,160, Oct. 25.
MacLean, James M., Windsor, Ontario, Canada. Resilient wheel. Re. 23,161, Oct. 25.
Zaccagnino, Dominick, Newark, N. J. Musical instrument. Re. 23,162, Oct. 25.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Inter-State Nurseries, Inc., assignee: *See*—
Swim, Herbert C.
Stokes, Warren E., Butler, Pa. Japanese holly plant. 887, Oct. 25.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 885, Oct. 25.
Swim, Herbert C., Ontario, Calif., assignor, by mesne assignments, to Inter-State Nurseries, Inc., Hamburg, Iowa. Rose plant. 886, Oct. 25.

LIST OF DESIGN PATENTEES

Aciform Corporation, assignee: *See*—
Werner, John, and Zeigler.
Adler, Paul, New York, N. Y. Dress. 155,670, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,671, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,672, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,673, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,674, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,675, Oct. 25.
Adler, Paul, New York, N. Y. Dress ensemble. 155,676, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,677, Oct. 25.
Adler, Paul, New York, N. Y. Suit. 155,678, Oct. 25.
Adler, Paul, New York, N. Y. Dress. 155,679, Oct. 25.
Allen, Robert Y.: *See*—
Shaw, Melvin, and Allen.
Baker, Frederick C., Portland, Oreg. Lighting fixture. 155,680, Oct. 25.
Bennett, Ernest F.: *See*—
Lewkowics, Leon, and Bennett.
Boucher, Marcel, New York, N. Y. Clip or similar article. 155,681, Oct. 25.
Boucher, Marcel, New York, N. Y. Clip or similar article. 155,682, Oct. 25.
British-Makes, Inc., assignee: *See*—
Innes, James, Cohen, and Spatz.
Bruneau, Albert J., assignor to Institution Catholique Des Sourds-Muets Pour La Province De Quebec, Montreal, Quebec, Canada. Perfume atomizer. 155,683, Oct. 25.
Cleveland Welding Company, The, assignee: *See*—
Stevens, Clifford B.
Cohen, Lipman: *See*—
Innes, James, Cohen, and Spatz.
Colotrym Company, The, assignee: *See*—
Hobbs, Frank.
Crawford, Clarence E., Flint, Mich., assignor of one-half to C. C. D. French. Combined surface level and advertising device. 155,684, Oct. 25.
Currie, Otis C., assignor to K & M Products Company, Jackson, Mich. Tube extractor. 155,685, Oct. 25.
Currie, William L., Muskegon, Mich. Liquid cooler. 155,686, Oct. 25.
Curtis, John J., Lexington, Ky. Template for drawing plumbing fixtures. 155,687, Oct. 25.
Davis, Joseph, assignor to Joseph Davis Plastics Co., Arlington, N. J. Rolling toy. 155,688, Oct. 25.
Davis, Joseph, Plastics Co., assignee: *See*—
Davis, Joseph.
Davis, Morton.
Davis, Morton, South Orange, assignor to Joseph Davis Plastics Co., Arlington, N. J. Combined teether and rattle or similar article. 155,689, Oct. 25.
Decoray Lamp Corp., assignee: *See*—
Nicyper, Raymond S.
Dictaphone Corporation, assignee: *See*—
O'Neil, William J.
Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 155,690, Oct. 25.
Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 155,691, Oct. 25.
Fostoria Glass Company, assignee: *See*—
Sakier, George.
Yutzey, Marvin G.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for lubricating equipment. 155,692, Oct. 25.
French, Clayton C. D., assignee: *See*—
Crawford, Clarence E.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,693, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,694, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,695, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,696, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,697, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,698, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Suit. 155,699, Oct. 25.
Frumkes, Joseph, Harrison, N. Y. Coat. 155,700, Oct. 25.
Ganine, Peter, Los Angeles, Calif. Toy animal figure. 155,701, Oct. 25.
Ganine, Peter, Los Angeles, Calif. Toy animal figure. 155,702, Oct. 25.
Gerhardt, Walter P.: *See*—
Macree, John, and Gerhardt.
Gottlieb, David E., New York, N. Y. Dress. 155,703, Oct. 25.
Hagstrom, Jerome E.: *See*—
Johnson, Elmer C., and Hagstrom.
Hauser, George: *See*—
Hauser, George R. and George.
Hauser, George R. and George, Garfield Heights, Ohio. Fishing rod and reel. 155,704, Oct. 25.
Hobbs, Frank, assignor to The Colotrym Company, Seattle, Wash. Display rack for molding and trimming strips. 155,705, Oct. 25.
Honer, Henry, Los Angeles, assignor to Western Stove Co., Inc., Culver City, Calif. Stove. 155,706, Oct. 25.
Horovitz, Morris, Providence, R. I., assignor to W & H Jewelry Company, Link for an expansible bracelet or similar article. 155,707, Oct. 25.
Innes, James, Pelham, L. Cohen, New Rochelle, and L. Spatz, Hempstead, assignors to British-Makes, Inc., New York, N. Y. Brace. 155,708, Oct. 25.
Institution Catholique Des Sourds-Muets Pour La Province De Quebec, assignee: *See*—
Bruneau, Albert J.
Johnson, Elmer C., and J. E. Hagstrom, assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo. Refrigerating case for bottled beverages. 155,709, Oct. 25.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Capped collapsible tube. 155,710, Oct. 25.
K & M Products Company, assignee: *See*—
Currie, Otis C.
Kampner, Leah P., Houston, Tex. Child's handkerchief. 155,711, Oct. 25.

Kingson, Justin I., assignor to George E. Mousley, Inc., New York, N. Y. Child's bib. 155,712, Oct. 25.
Kingson, Justin I., assignor to George E. Mousley, Inc., New York, N. Y. Child's apron. 155,713, Oct. 25.
Kisling, Jacob W., St. Louis County, Mo. Combined stand and electric fan. 155,714, Oct. 25.
Klosinski, Stanley, Detroit, Mich. Shaving cup. 155,715, Oct. 25.
Kmiec, Louis, Trenton, N. J. Lamp. 155,716, Oct. 25.
Kujawski, Elroy, Jr., Adell, Wis. Toilet powder container. 155,717, Oct. 25.
Lewis, George K., assignor to The Three Dimension Company, Chicago, Ill. Reading rate controller or similar device. 155,718, Oct. 25.
Lewkowicz, Leon, and E. F. Bennett, New York, N. Y. Lamp or similar article. 155,719, Oct. 25.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P., and Reisert.
Macpherson, Mildred, New York, N. Y. Dress. 155,720, Oct. 25.
Macree, John, Forest Hills, and W. P. Gerhardt, Maspeth, N. Y. Combination waxing, spreading, and polishing device. 155,721, Oct. 25.
Mascia, Anthony J., Flushing, N. Y. Pendant ornamental frame for costume jewelry. 155,722, Oct. 25.
Mattison, Samuel B., Pasadena, Calif. Barbecue apron. 155,723, Oct. 25.
McInnis, Joseph S., assignor to Metallic Arts Corporation, Chicago, Ill. Smoking stand. 155,724, Oct. 25.
Metallic Arts Corporation, assignee: *See*—
McInnis, Joseph S.
Mousley, George E., Inc., assignee: *See*—
Kingson, Justin I.
Nicyper, Raymond S., assignor to Decoray Lamp Corp., New York, N. Y. Lamp. 155,725, Oct. 25.
O'Neil, William J., New York, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Housing for a dictating machine. 155,726, Oct. 25.
Paden, Frederick T., Collingswood, N. J. Armchair. 155,727, Oct. 25.
Paden, Frederick T., Collingswood, N. J. Chair. 155,728, Oct. 25.
Parks, Regis E., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Beverage vending machine. 155,729, Oct. 25.
Penn, George R., New York, N. Y. Combined cabinet and stand for cameras. 155,730, Oct. 25.
Pidgeon Vitrified China Company, assignee: *See*—
Rosner, Joseph.
Ragunt, Alan J., Rockford, Ill. Serving bar top. 155,731, Oct. 25.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Ridgefield Silversmiths, Inc., assignee: *See*—
Sohn, Ernest, and San Giovanni.
Rosenson, Alexander M., Washington, D. C. Spectacle frame. 155,732, Oct. 25.
Rosenson, Alexander M., Washington, D. C. Spectacle frame. 155,733, Oct. 25.
Rosner, Joseph, Kirkwood, assignor to Pidgeon Vitrified China Company, Barnhart, Mo. Lamp base. 155,734, Oct. 25.
Rubel & Company Decorative Accessories, Inc., assignee: *See*—
Sohn, Ernest, and San Giovanni.
Russell, Donald F., Newburyport, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 155,735, Oct. 25.
Russell, John K., North Hollywood, Calif. Fishhook. 155,736, Oct. 25.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 155,737, Oct. 25.
Sakier, George, New York, N. Y., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumbler. 155,738, Oct. 25.
Sandee Manufacturing Company, assignee: *See*—
Ssantay, Elmer.
San Giovanni, Edward: *See*—
Sohn, Ernest, and San Giovanni.
Shafer, George B.: *See*—
Shafer, John D. and G. B.
Shafer, John D. and G. B., assignors to U. S. Lite-Ray Company, Dayton, Ohio. Pump. 155,739, Oct. 25.
Shaw, Melvin, Beverly Hills, and R. Y. Allen, Pacific Palisades, Calif. Picture dialing device for a phonograph record. 155,740, Oct. 25.
Sherman, Floyd A., Cleveland, Ohio. Generator housing side plate for gasoline engines. 155,741, Oct. 25.
Shevis, Estelle B., Belmont, Maine. Child's purse. 155,742, Oct. 25.
Simoneau, Joseph W., Nashua, N. H. Bottle or similar article. 155,743, Oct. 25.
Sohn, Ernest, New York, N. Y., and E. San Giovanni; said San Giovanni assignor to Ridgefield Silversmiths, Inc., Ridgefield, Conn., and said Sohn assignor to Rubel & Company Decorative Accessories, Inc., New York, N. Y. Combined cigarette and lighter holder. 155,744, Oct. 25.
Spacarb, Inc., assignee: *See*—
Parks, Regis E.
Spats, Lee: *See*—
Innes, James, Cohen, and Spats.
Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,745, Oct. 25.
Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,746, Oct. 25.
Stevens, Clifford B., Milwaukee, Wis., assignor to The Cleveland Welding Company. Bicycle. 155,747, Oct. 25.
Sylvania Electric Products Inc., assignee: *See*—
Russell, Donald F.
Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Airplane hobbyhorse. 155,748, Oct. 25.
Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Doll cart. 155,749, Oct. 25.
Taylor, Joseph, Youngstown, Ohio. Coin container. 155,750, Oct. 25.
Three Dimension Company, The, assignee: *See*—
Lewis, George K.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 155,751, Oct. 25.
U. S. Lite-Ray Company, assignee: *See*—
Shafer, John D. and G. B.
Van Cleef & Arpels, Inc., assignee: *See*—
Duvalet, Maurice.
Vendo Company, The, assignee: *See*—
Johnson, Elmer C., and Hagstrom.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Vivaudou, Jean E., New York, N. Y. Nursery bib. 155,752, Oct. 25.
W & H Jewelry Company, assignee: *See*—
Horovitz, Morris.
Warner, Ruth S., Chicago, Ill. Food server. 155,753, Oct. 25.
Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignor to Aciform Corporation, Chicago, Ill. Foot and leg vibrator unit. 155,754, Oct. 25.
Western Stove Co., Inc., assignee: *See*—
Honer, Henry.
Young, Charlotte C., Concord, N. H. Doll. 155,755, Oct. 25.
Young, Charlotte C., Concord, N. H. Doll. 155,756, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Combined bowl and cover. 155,757, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Butter dish. 155,758, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cereal pitcher. 155,759, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet. 155,760, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Tumoler. 155,761, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Cake plate. 155,762, Oct. 25.
Yutsey, Marvin G., assignor to Fostoria Glass Company, Moundsville, W. Va. Plate. 155,763, Oct. 25.
Zeigler, Albert H.: *See*—
Werner, John, and Zeigler.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A B C Packaging Machine Corporation, assignee: *See*—
Neal, Morris P.
Abbott, Jerome G., Red Bank, N. J. Frequency responsive relay. 2,485,548, Oct. 25.
Abbott Laboratories, assignee: *See*—
Larson, Lester.
Abrahams, Armand J.: *See*—
Gorin, Manuel H., and Abrams.
Abramovitch, Benjamin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of organic thiocyanates. 2,486,090, Oct. 25.
Abrams, Armand J., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Protection of heat transfer media. 2,485,542, Oct. 25.
Abrey, John, and J. T. Munro, Honolulu, and J. T. Youd, Laukai, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Pineapple crown trimming machine. 2,486,367, Oct. 25.
Adams, Douglas D., K. Rollius, and J. D. Risher, Canton, Ohio, assignors, by mesne assignments, of 76.89 per cent to R. E. MacKenzie and 23.11 per cent to L. V. Bocklus. Continuously forming fibrous material. 2,486,091, Oct. 25.
Adams, James F.: *See*—
Taylor, George E., and Adams.
Adams, Kenneth H.: *See*—
Doelling, George L., and Adams.
Adams, Thomas J., Manitowoc, Wis. Wine bung. 2,486,237, Oct. 25.
Adler, Erich, Lidingo, near Stockholm, and B. S. Hägglund, Stockholm, Sweden, assignors to Hoffman-La Roche Inc., Nutley, N. J. Bicyclic compounds and the manufacture of same. 2,485,549, Oct. 25.
Aeroquip Corporation, assignee: *See*—
Main, Benjamin A., Jr.
Main, Donald W.
Aeschlimann, John A., Montclair, N. J., and A. Stempel, Brooklyn, N. Y., assignors to Hoffman-La Roche Inc., Nutley, N. J. Quaternary salts of carbamic acid esters of tertiary-hydroxybensyl-amines. 2,485,550, Oct. 25.
Aiken, James, Garden City, N. Y. Connecting rod mechanism for engines and pumps. 2,486,238, Oct. 25.
Ainsworth, Thomas H., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,485,801, Oct. 25.
Aktiebolaget Facit, assignee: *See*—
Carlstrom, Bengt, and Grip.
Aldredge, William L., Sr., Largo, Fla. Fish box for boats. 2,485,684, Oct. 25.
Allied Chemical & Dye Corporation, assignee: *See*—
Ogilvie, James.
Watson, William E., and Glenn.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Dustman, Herman C.
Journeaux, Didier.
Aluminum Company of America, assignee: *See*—
Newsome, James W., and Van Cleve.
Amalgamated Wireless (Australasia) Limited, assignee: *See*—
McBain, Ian N.
Ambrose, John G.: *See*—
Mathews, Charles B., and Ambrose.
Amelung, Alexander F., Kansas City, Mo. Folding crib. 2,486,093, Oct. 25.
American Blower Corporation, assignee: *See*—
Simmons, Lance L.
American Bosch Corporation, assignee: *See*—
Osterman, Joseph T.
American Car and Foundry Company, assignee: *See*—
Shields, Robert A.
American Cyanamid Company, assignee: *See*—
Abramovitch, Benjamin.
Cresswell, Arthur.
Loukomsky, Serge A.
Nagy, Daniel E.
Patterson, Donald G.
Scalera, Mario, and Eberhart.
Watt, William T.
Wiswall, Richard H., Jr.
American Machine and Metals, Inc., assignee: *See*—
Patterson, Glenn A., and Kagan.
American Metal Company, Limited, The, assignee: *See*—
Kalbach, John C.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
Lehrman, Leo A.
Light, David M.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Hoffman, Carroll G., and Kiefer.
McLeod, Don, and Norris.
American Thread Company, The, assignee: *See*—
Welch, Albert E.
American Viscose Corporation, assignee: *See*—
Francis, Carleton S., Jr.
Koster, Frederick W., and Oberly.
Roberts, Ingham S.
Ammco Tools, Inc., assignee: *See*—
Billeter, Henry R.
Anderson Brass Works, assignee: *See*—
Lock, Robert L.
Andrade, Frank I., assignor to F. Mulveny, Fall River, Mass. Stern davit and bumper for boats. 2,486,094, Oct. 25.
Andreau, Jean E., Leognan, France. Power plant. 2,485,543, Oct. 25.
Angel, Herbert, Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Signal controlled selector. 2,485,551, Oct. 25.
Angermann, Willie A. C., assignor of forty-nine per cent to L. W. Gardner, Jr., and F. G. Gardner, Hamilton, Tex. Wheel traction device. 2,485,544, Oct. 25.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Narracott, Eric S.
Antles, Leo C., assignee: *See*—
Harwood, James E.
Apgar, Charles W., and A. L. Rosenfeld, assignors to A. L. Rosenfeld, C. W. Apgar, and F. R. Mann, Philadelphia, Pa., as trustees. Control mechanism for conveyer apparatus. 2,485,952, Oct. 25.
Armitage, Joseph B.: *See*—
Kearney, Edward J., Armitage, and Pohl.
Armstrong, Charles, Denver, Colo. Ladder jack. 2,485,685, Oct. 25.
Armstrong Cork Company, assignee: *See*—
Merley, Robert W., and Navikas.
Weber, Karl H.
Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,486,239, Oct. 25.
Armstrong, George C., Forest Hills, and O. L. Taylor, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric circuit for retentive type relays. 2,486,240, Oct. 25.
Armstrong, Harry H., Cleveland, assignor, by mesne assignments, to L. Wilson, Rocky River, Ohio. Inner cover for hood-type furnaces. 2,485,995, Oct. 25.
Armstrong, John E.: *See*—
Jacuzzi, Candido, and Armstrong.
Armstrong, Werner E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Power drive attachment for bicycles. 2,486,095, Oct. 25.
Arne, Christian: *See*—
Larson, Donald E., and Arne.
Arnold, Harold W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polymers and copolymers of acrylic acid nitriles. 2,486,241, Oct. 25.
Aronson, Theodore F.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
Asachika, George R., Miami, Fla. Combination utility case and roll book. 2,485,802, Oct. 25.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Actuating mechanism for retractable landing gear, doors, flaps, and the like of airplanes. 2,486,242, Oct. 25.
Associated Metals & Minerals Corporation, assignee: *See*—
Schweitzer, Herbert C.
Ateliers de Construction Oerlikon, assignee: *See*—
Karrer, Josef.
Athey Products Corporation, assignee: *See*—
Nadherny, Russell J.
Atkin, David, London, England. Closure means for rubber hot-water bottles or bags. 2,485,996, Oct. 25.
Atlantic Refining Company, The, assignee: *See*—
Evans, George H.
Turner, William R., Schreiber, and Van Hartesveldt.
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Simultaneous dehydrogenation and hydrocarbon synthesis with fluidized catalysts in a single reactor. 2,486,243, Oct. 25.
Aumuller, Edward F., Lynbrook, N. Y., assignor to The Sperry Corporation. Gyroscopic artificial horizon. 2,485,552, Oct. 25.

Automatic Electric Laboratories Inc., assignee: *See*—
Beale, Charles E., and Hopley.
Burgener, Karl L.
Hadfield, Bertram M.
Kessler, Frank
Kucera, Barney J.
Newstedt, Harry N.
Voss, John H.

Avco Manufacturing Corporation, assignee: *See*—
Bussard, Emmery J. H.

Axford, Joseph M. and M. S., Troutdale, Oreg. Cover for automobile visors. 2,486,096, Oct. 25.

Axford, Mary S.: *See*—
Axford, Joseph M. and M. S.

Bacon, Robert, Brooklyn, N. Y. Hair curler. 2,485,686, Oct. 25.

Bahner, Carl T., Jefferson City, Tenn. Electrolysis of primary nitroalkanes. 2,485,903, Oct. 25.

Bailey Meter Company, assignee: *See*—
Barnes, Frederick A.
Birchler, Charles F., and Weaver.

Bailey, Wilfred, Glasgow, Scotland. Rotary engine. 2,485,687, Oct. 25.

Bailey, William M., Company, assignee: *See*—
Wehr, Guy.

Baker & Company, Inc., assignee: *See*—
Stumbock, Max J.

Balais, Daniel P., Chicago, Ill. Automobile lock. 2,485,997, Oct. 25.

Baldwin Locomotive Works, The, assignee: *See*—
Hyde, Lawrence K.

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lubricator. 2,485,908, Oct. 25.

Balsiger, Harold E., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Grinding wheel feed mechanism. 2,486,244, Oct. 25.

Bamberger-Reinthal Company, assignee: *See*—
Krueger, Roland F. W.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Axially engaging multiple fluid clutch. 2,485,688, Oct. 25.

Barbehenn, Ralph L.: *See*—
Colton, Dudley T., and Barbehenn.

Barish, Herbert F., Hamden, Conn., assignor to General Electric Company. Clothes-washing machine mechanism. 2,485,622, Oct. 25.

Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,486,097, Oct. 25.

Barnes, Malcolm H., and E. L. McCandless, Kenmore, N. Y., assignors to The Linde Air Products Company. Filament guide. 2,485,553, Oct. 25.

Barth, Theodore H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Aircraft control system. 2,485,953, Oct. 25.

Bates, Fred G., Detroit, Mich. Device for dispensing lubricating oil. 2,486,245, Oct. 25.

Batterson, Ernest W., assignor to Shakespeare Products Company, Kalamazoo, Mich. Control lock mechanism. 2,486,098, Oct. 25.

Bauer, Benjamin B., Oak Park, assignor, by mesne assignments, to Shure Brothers, Incorporated, Chicago, Ill. Phonograph pickup having fulcrum suspended drive arm. 2,486,099, Oct. 25.

Baumann, Arnold W., Chicago, Ill. Milk evaporator. 2,485,889, Oct. 25.

Beale, Charles E., and H. E. Hopley, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Voice frequency signaling circuits for telephone systems. 2,486,100, Oct. 25.

Beck, Rudolf, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Thermometer case. 2,485,690, Oct. 25.

Bedell, Rodney, Webster Groves, Mo., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brakehead retainer and beam. 2,485,804, Oct. 25.

Beeke, Henry F., Delphi, Ind. Snap action drain control device. 2,486,246, Oct. 25.

Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Making glass-to-metal seals. 2,486,101, Oct. 25.

Bell & Howell Company, assignee: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
Townsley, Malcolm G.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dennis, Fred R.
Helin, Eero E.
Holden, William H. T.
Locke, George A.
Mason, Warren P.
Phipps, George S.
Pralianer, Edward.
Rienstra, Albert R.
Slonczewski, Thaddeus.

Bendix Aviation Corporation, assignee: *See*—
Frank, Frederick C.
Lefer, James L., and Leininger.
Marinelli, Joseph.
Shaw, Richard, Jr.

Bent, Arthur J., Penn Township, Allegheny County, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure controlled positioning device. 2,485,805, Oct. 25.

Berg, Martin, New York, N. Y. Changing picture comprising one stationary and one sliding picture. 2,485,806, Oct. 25.

Bergeron, Alvin W.: *See*—
Croft, Cyril M., Bergeron, and Dodge.

Berlin, Irving, F. L. Graham, and D. McCann, Los Angeles, Calif. Pipestem cleaner. 2,486,247, Oct. 25.

Berman, Jack, Brooklyn, N. Y. Safety clothesline hook. 2,486,248, Oct. 25.

Berndsen, Richard A., assignee: *See*—
Berndsen, William E.

Berndsen, William E., Cleveland, Ohio, assignor of three-sixteenths to R. A. Berndsen, and three-sixteenths to B. J. Jorgensen. Sponge type mop with two-part hinged backing plate. 2,486,102, Oct. 25.

Bernini, Giuseppe: *See*—
Butturini, Luigi, and Bernini.

Bernstein, Rubin, Philadelphia, Pa. Cleaning composition. 2,485,554, Oct. 25.

Berthold, Walter K., Rockville, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass in plural charges. 2,485,808, Oct. 25.

Berthold, Walter K., Rockville, and J. S. Light, Simsbury, assignors to Hartford-Empire Company, Hartford, Conn. Controlling the temperature of glass in plural orifices of glass feeders. 2,485,807, Oct. 25.

Best Foods, Inc., The, assignee: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.

Bester, Leonard R., New York, N. Y. Baffle type muffler with plural expansion chambers. 2,485,555, Oct. 25.

Bienfait, Louis, Chambly, France. Apparatus for determining the correct tracing of railway tracks. 2,485,810, Oct. 25.

Biermann, David, assignor to Hartzell Industries, Inc., Piqua, Ohio. Propeller mounting. 2,485,809, Oct. 25.

Billeter, Henry R., Highland Park, Ill., assignor to Ammco Tools, Inc. Signal type torque indicating wrench. 2,486,103, Oct. 25.

Bion, Joseph, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Facsimile communication system. 2,485,556, Oct. 25.

Birchler, Charles F., East Cleveland, and H. E. Weaver, South Euclid, Ohio, assignors to Bailey Meter Company. Control system for electric-steam generators. 2,485,999, Oct. 25.

Bird, Paul G., Western Springs, assignor to National Aluminate Corporation, Chicago, Ill. Acylamino-N-substituted amides. 2,486,249, Oct. 25.

Birtman Electric Company, assignee: *See*—
Nelson, Ray M.
Sparklin, Charles H.

Bishop, Lewis, Arcadia, Fla. Hand truck. 2,485,545, Oct. 25.

Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Voltage regulator. 2,486,250, Oct. 25.

Blackhall, James M.: *See*—
Reid, Alexander C., and Blackhall.

Blankenship, Floyd T., Lakewood, Colo. Tail gate for vehicles. 2,485,546, Oct. 25.

Blau, James B., Brooklyn, N. Y. Anticlogging device for roof drains. 2,485,547, Oct. 25.

Blomquist, Alfred T., and F. T. Fiedorek, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Nitramines. 2,485,855, Oct. 25.

Blue Ridge Glass Corporation, assignee: *See*—
Glynn, Theodore W., and Venable.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Lifter roof tank. 2,485,557, Oct. 25.

Bockius, L. Y., assignee: *See*—
Adams, Douglas D., Rollins, and Risher.

Boerner, Thomas J., Collingswood, and J. W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America. High-frequency apparatus. 2,485,856, Oct. 25.

Bogese, Stephen B., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of improved extruded polytetrafluoroethylene articles. 2,485,691, Oct. 25.

Bohn, Donald I., Pittsburgh, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,486,104, Oct. 25.

Bonar, Bernard E., assignor of one-fourth to B. R. Bonar and one-fourth to B. L. Bonar, El Paso, Tex. Rearview mirror. 2,486,105, Oct. 25.

Bonar, Bernard R., assignee: *See*—
Bonar, Bernard E.

Bonar, Byron L., assignee: *See*—
Bonar, Bernard E.

Bonnet, Maurice, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France. Photography in relief. 2,485,811, Oct. 25.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Method of and apparatus for dearing slips. 2,485,857, Oct. 25.

Boykin, Robert O., Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Milling machine. 2,485,858, Oct. 25.

Braun, Charles A., Perrysburg, assignor to The De Vilbiss Company, Toledo, Ohio. Spray booth. 2,486,251, Oct. 25.

Braunlich, Mills W., Philadelphia, Pa. Sight alignment attachment for surveying instruments. 2,485,558, Oct. 25.

Bresler, Louis L., Chicago, Ill. Desk pad. 2,486,253, Oct. 25.

Briggs, Arthur J., Syracuse, assignor of one-half to W. L. Hinds, Fayetteville, N. Y. Machine for forming and applying hood caps to bottles. 2,486,252, Oct. 25.

Briggs & Stratton Corporation, assignee: *See*—
Armstrong, Werner E.

Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Control valve. 2,485,692, Oct. 25.

Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Power-driven tool. 2,486,255, Oct. 25.

Briskin, Theodore S., and J. C. Zivny, assignors to Excel Auto Radiator Company, Chicago, Ill. Control mechanism for electrically driven tools. 2,486,254, Oct. 25.

Brooker, Leslie G. S.: *See*—
Van Zandt, Gertrude, and Brooker.

Brown, La Fayette L., assignee: *See*—
Brown, Milton S.

Brown, Milton S., Warrenton, assignor of one-half to L. L. Brown, Macon, N. C. Cotton chopper and tobacco patter. 2,485,693, Oct. 25.

Brown, Robert H., Flushing, N. Y. Noise generating system. 2,486,106, Oct. 25.

Brown, William T., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Ultra high frequency amplifier system. 2,485,559, Oct. 25.

Browning, Kenneth W., Murray, Utah. Window and blind construction. 2,486,000, Oct. 25.

Bruck, George G., East Orange, N. J., and P. E. Volz, Auburndale, assignors to Raytheon Manufacturing Company, Newton, Mass. Frequency-stabilising system. 2,486,001, Oct. 25.

Brump, Herbert L., assignor to A. R. Lambert, Dayton, Ohio, doing business under the firm name of Ohio Units. Remote control for reversing reciprocatory table drives. 2,486,107, Oct. 25.

Brunel, Jean, Saint Etienne, France. Machine tool and the like. 2,486,108, Oct. 25.

Brush Development Company, The, assignee: *See*—
Gravley, Charles K.

Brutocao, Angelo, Louis, and Leonard, Toronto, Ontario, Canada. Flower pick. 2,486,109, Oct. 25.

Brutocao, Leonard: *See*—
Brutocao, Angelo, Louis, and Leonard.

Brutocao, Louis: *See*—
Brutocao, Angelo, Louis, and Leonard.

Buccilli, Harry, Detroit, Mich. Fishing leader assembly. 2,485,812, Oct. 25.

Buchanan Electrical Products Corporation, assignee: *See*—
Terry, Joel L.

Buchsbaum, Herbert: *See*—
Myerson, Joseph J., and Buchsbaum.

Buchsbaum, S., & Company, assignee: *See*—
Myerson, Joseph J., and Buchsbaum.

Buck, Chauncey M., Indianapolis, Ind. Pump control system. 2,486,256, Oct. 25.

Buckeye Laboratories Corporation, The, assignee: *See*—
Egger, Charles J.

Buehler, Maynard P., Oakland, Calif. Telescope sight mount. 2,486,002, Oct. 25.

Bugel, Roelof D., and C. de Lange, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Combination of two or more than two blocking-layer cells. 2,486,110, Oct. 25.

Bunting, Ernest V., Dearborn, assignor to Harry Ferguson, Inc., Detroit, Mich. Tractor hitch and differential housing. 2,486,257, Oct. 25.

Burchfield, Paul E., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Distillation of allyl alcohol from hydrolysis products. 2,485,694, Oct. 25.

Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Balancing of ring cutoff circuit for long and short lines. 2,486,111, Oct. 25.

Burnitol Manufacturing Co., assignee: *See*—
Cranshaw, Harold B.

Burrell, Ellis, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Staking tool. 2,485,954, Oct. 25.

Burroughs, Gordon, Forest Hills, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Cathode-ray tube. 2,485,561, Oct. 25.

Burroughs, Gordon S., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic reversing switch. 2,485,560, Oct. 25.

Busch, Fred, assignor to Milsteel Products Co., Milwaukee, Wis. Control dial mounting for electric irons. 2,485,955, Oct. 25.

Bussard, Emmery J. H., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Crystal harmonic oscillator. 2,486,255, Oct. 25.

Butler, Keith H., Marblehead, assignor to Sylvania Electric Products, Inc., Salem, Mass. Barium strontium lead silicate phosphor. 2,486,112, Oct. 25.

Butturini, Luigi, Milan, and G. Bernini, Melegnano, assignor to Carlo Erba S. A., Milan, Italy. Preparation of histidine and leucine. 2,485,859, Oct. 25.

Caldwell, Welsey A., Manhattan Beach, Calif. Garage door hardware. 2,485,860, Oct. 25.

Cambridge Thermionic Corporation, assignee: *See*—
Frondel, Clifford.

Cametti, Benjamin: *See*—
Hagg, Arthur C., and Cametti.

Campbell, Sumner E., and I. S. Dellinger, Long Beach, Calif. Lubricating oil. 2,485,861, Oct. 25.

Campbell, Thomas A., and E. G. Stock, assignors to Stewart-Warner Corporation, Chicago, Ill. Hydraulic coupler. 2,486,113, Oct 25.

Campos, Adolph, assignor to C. Mueller, Newark, N. J. Pocket lighter. 2,485,956, Oct. 25.

Carlo Erba S. A., assignee: *See*—
Butturini, Luigi, and Bernini.

Carlson Bert G., Gates Mills, Ohio. Compressor-turbine engine. 2,485,813, Oct. 25.

Carlstrom, Bengt, and E. Grip, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Key interlock. 2,485,695, Oct. 25.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Werts, Frank G.

Carpenter, Otto W., administrator: *See*—
Kearney, Edward J., Armitage, and Pohl.

Carson, Russell M., assignee: *See*—
Hilliker, Frank T.

Casco Products Corporation, assignee: *See*—
Youhouse, Joseph.

Cataldo, Teresa, Boston, Mass. Safety belt for infants. 2,486,114 Oct. 25.

Caterpillar Tractor Co., assignee: *See*—
Gustafson, Carl A.
Smith, Rover M.

Cavelti, John E., Meadville, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Production of 2,4,6-trichlororesorcin. 2,485,562, Oct. 25.

Caza, Edgar, Cornwall, Ontario, Canada. Piston ring. 2,485,862, Oct. 25.

Celanese Corporation of America, assignee: *See*—
Croft, Cyril M. Bergeron, and Dodge.
Pool, William.

Central Commercial Company, assignee: *See*—
Langer, Nicholas.
Larsen, Merwin J.

Centre National de la Recherche Scientifique, assignee: *See*—
Felici, Noël.

Champion Spark Plug Company, assignee: *See*—
Christie Robert K.

Chandler, Marshall R., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for making electrical measurements. 2,485,863, Oct. 25.

Chavannes Industrial Synthetics, Inc., assignee: *See*—
Chavannes Marc A.

Chavannes, Marc A., Lisbon, Conn., assignor to Chavannes Industrial Synthetics, Inc., New York, N. Y. Producing films bearing designs. 2,486,258, Oct. 25.

Chavannes, Marc A., Lisbon, Conn. Printing on thermoplastic sheetlike material. 2,486,259, Oct. 25.

Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Motor fuel. 2,485,696, Oct. 25.

Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of arsenic trichloride. 2,485,697, Oct. 25.

Chesser, Cecil E., Hebron, and T. H. Cline, assignors to Newark Stove Company, Newark, Ohio. Adjustable deep-well cooker. 2,485,698, Oct. 25.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating compositions and the electrodeposition of zinc. 2,485,563, Oct. 25.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Reaction product of naphthylamine and aldonic acids. 2,485 564, Oct. 25.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Cadmium plating. 2,485,565, Oct. 25.

Chicago Bridge & Iron Company, assignee: *See*—
Boardman, Harry C.
Larson, Donald E.
Larson, Donald E., and Arne.
Wissmiller, Ivan L.

Chicago Railway Equipment Company, assignee: *See*—
Bedell, Rodney

Chiuchiolo, Frank A., New York, N. Y. Electric wire connection. 2,486,115, Oct. 25.

Christensen, Alan W.: *See*—
Morse, Forbes, and Christensen.

Christensen, Delbert, Brainerd, Minn. Automobile hood lock. 2,486,003, Oct. 25.

Christie, Robert K., assignor to Champion Spark Plug Company, Toledo, Ohio. Shielded spark plug. 2,485,699, Oct. 25.

Christoffer, Donald F., Spirit Lake, Iowa. Trip rope holder. 2,485,702, Oct. 25.

Christoffer, Donald F., Spirit Lake, Iowa. Livestock tool. 2,485,703, Oct. 25.

Church, Clifford C., Needham, Mass. Educational appliance. 2,486,260, Oct. 25.

Claiborne, James C., Arlington Heights, Va. Tomato plant rack. 2,486,261, Oct. 25.

Clark, Frank M., and G. F. Lipsey, Pittsfield, Mass., assignors to General Electric Company. Electric capacitor. 2,486,116, Oct. 25.

Clark, Frederic B., Englewood, N. J., assignor to Consolidated Laundries Corporation. Counting machine. 2,486,117 Oct. 25.

Clark, Frederic B., Englewood, N. J., assignor to Consolidated Laundries Corporation. Counting machine for laundry articles. 2,486,118, Oct. 25.

Clark, Gilbert R., Nutley, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Multiple frequency filter. 2,485,567, Oct. 25.

Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Phase reversal protector. 2,486,004, Oct. 25.

Clark, James D., U. S. Army, River Forest, Ill. Method and device for indicating spoilage. 2,486,566, Oct. 25.

Clark, Robert W., Teaneck, N. J., assignor to Radio Corporation of America. Controlled generator. 2,486,005, Oct. 25.

Cleaver, Richard F., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for repeating oscillograph indications at a distance. 2,485,568, Oct. 25.

Clem, Everett W., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Apparatus for unwinding and winding web material. 2,486,006, Oct. 25.

Cline, Truman H.: *See*—
Chesser, Cecil E., and Cline.

Coffeen, Richard W., assignor of 50 per cent to McKinley Howell, La Porte, Ind. Semiautomatic sickle grinder. 2,486,119, Oct. 25.

Cohan, Albert M., Chicago, Ill. Outside locket vanity case. 2,485,814, Oct. 25.

Cohen, Sidney, and J. J. Reid, Needham, Mass. Article carrier. 2,485,864, Oct. 25.

Colgate-Palmolive-Peet Company, assignee: *See*—
Hoopes, Penrose R.
Schulerud, Albert L.

Colton, Dudley T., Martinsville, and E. L. Barbehenn, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Pipe coupling assembly. 2,486,120, Oct. 25.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Mittendorf, Harvey C.
Patterson, Ward S.

Commercial Controls Corporation, assignee: *See*—
Ryan, Commodore D., and Drake.

Commercial Solvents Corporation, assignee: *See*—
McMillan, Graham W.
Senkus, Murray.
Smith, Everet F.

Commonwealth Roofing Corporation, assignee: *See*—
Ronsone, David B.

Compagnie Generale D'Electricite, assignee: *See*—
Leroy, Robert P.

Consolidated Laundries Corporation, assignee: *See*—
Clark, Frederic B.

Consolidated Lithographing Corporation, assignee: *See*—
Madden, James C., 3rd.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Giffen, Harvey D., and Thomson.

Cook, Earle S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake equipment. 2,485,815, Oct. 25.

Cook, Milford M., Visalia, Calif. Tool for forcing resilient tire beads into the drop center of a wheel rim. 2,485,700, Oct. 25.

Corn, William H., Pisgah Forest, N. C., assignor to Ecusta Paper Corporation. Web spreading device. 2,486,121, Oct. 25.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Corubia, Blanche, New York, N. Y. Hair ringlet holder. 2,486,122, Oct. 25.

Costello, Edward M., Portland, Oreg. Roll wrapping machine. 2,485,865, Oct. 25.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Journal connection. 2,486,123, Oct. 25.

Coughlin, Francis T., Washington, D. C. Method of and apparatus for compensating for residual magnetization in cathode-ray apparatus. 2,485,569, Oct. 25.

Cousins, Syd, Mount Rainier, Md. Breast supporting garment. 2,485,570, Oct. 25.

Cousins, Sydne, Long Beach, N. Y. Brassière. 2,485,571, Oct. 25.

Cousins, Sydne, Yonkers, and E. H. Taylor, Mount Vernon, N. Y., Brassière. 2,485,572, Oct. 25.

Craig, W. E, Philadelphia, and W. F. Hester, Drexel Hill, assignors to Röhm & Haas Company, Philadelphia, Pa. Thiocyanated phosphite esters. 2,485,573, Oct. 25.

Cranshaw, Harold B., Newton, assignor to Burnitol Manufacturing Co., Charlestown, Mass. Folded blank cup. 2,485,704, Oct. 25.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Apparatus for treating strands. 2,485,957, Oct. 25.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Spinning collagen filaments. 2,485,958, Oct. 25.

Cristofani, Adolph N., and J. R. Rago, Melrose Park, Ill. Emergency fuel tank. 2,485,701, Oct. 25.

Crockett, Thomas E., Tulsa, Okla. Air compressor valve device. 2,486,124, Oct. 25.

Croft, Cyril M., A. W. Bergeron, and F. G. Dodge, Cumberland, Md., assignors to Celanese Corporation of America. Lapping device. 2,485,705, Oct. 25.

Crompton & Knowles Loom Works, assignee: *See*—
Dion, Raymond F.

Cronlund, Axel F., Joliet, Ill. Holder for die grinding. 2,485,866, Oct. 25.

Cruise, Alvis L., Marshfield, Mo. Protector for shoes and boots. 2,485,706, Oct. 25.

Culp, Arthur J., Clanton, Ala. Muffler with valved exhaust trap. 2,486,007, Oct. 25.

Cummins, George E., Maricopa County, Ariz. Newspaper trap. 2,485,707, Oct. 25.

Cunnington, George A., Avon, assignor to The Midland Steel Products Company, Cleveland, Ohio. Spacing means for cargo units. 2,486,125, Oct. 25.

Curtis, Truman P.: *See*—
De Walt, Kenneth C., and Curtis.

Cutler-Hammer, Inc., assignee: *See*—
Kuhn, Clarence W.

Cutler, Wallace M., Gloucester, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Drill gun. 2,486,008, Oct. 25.

Cyr, Benjamin: *See*—
Wilson, John M., and Cyr.

Dahnke, Marye, Chicago, Ill., assignor to Kraft Foods Company. Mixer. 2,486,126, Oct. 25.

Dalsemer, Rhodena C., assignor to Siftproof Carton Associates, New York, N. Y. Dispensing container. 2,485,816, Oct. 25.

Dame, Lester E., Concord, N. H. Shoe sole shank trimmer. 2,485,708, Oct. 25.

Dann, Herbert C. P., assignee: *See*—
Sommer, Carl.

Darden, Robert R., Jr.: *See*—
Gross, Frits A., and Darden, Jr.

Davies, David R., Sale, England, assignor, by mesne assignments, to General Electric Company. Air blast electric circuit breaker. 2,486,127, Oct. 25.

Davies, Trevor L., Clarendon Hills, assignor to F. L. Regnery Corp., Chicago, Ill. Spindle adapter and bobbin. 2,485,959, Oct. 25.

Davis, Carl K., Detroit, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Sprag. 2,486,262, Oct. 25.

Davis, John V., assignor to The Udylite Corporation, Detroit, Mich. Intermittent movement. 2,486,128, Oct. 25.

Davock, Alfred M., Birmingham, assignor to The Jam Handy Organization, Inc., Detroit, Mich. Film and slide projector mechanism having unitary cabinet means and screen. 2,485,709, Oct. 25.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone handset. 2,485,574, Oct. 25.

De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Microphone pickup and volume control. 2,486,263, Oct. 25.

De Armond, Harry, assignor to Rowe Industries, Toledo, Ohio. Violin microphone. 2,486,264, Oct. 25.

Deaver, Elmer O., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Door operated phonographic apparatus. 2,485,575, Oct. 25.

De Directie van de Staatsmijnen in Limburg, Handelend voor en nomens de Staat der Nederlanden, assignee: *See*—
Hallie, Gerardus.

Deere & Company, assignee: *See*—
Oerman, Orey W.

De Lange, Cornelis: *See*—
Bugel, Roelof D., and de Lange.

Dellinger, Ilo S.: *See*—
Campbell, Sumner E., and Dellinger.

Deluxe Girdlecraft Co., assignee: *See*—
Scheinberg, Morris M.

Dennis, Fred R., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable frequency oscillator. 2,486,265, Oct. 25.

Derby, Roland E., Lowell, Mass., assignor, by mesne assignments, to J. P. Stevens & Co., Inc., New York, N. Y. Process and apparatus for continuously neutralising dry acid cloth. 2,485,710, Oct. 25.

Designers For Industry, Inc., assignee: *See*—
Mankki, Onnie.

De Vilbiss Company, The, assignee: *See*—
Braun, Charles A.

De Walt, Kenneth C., and T. P. Curtis, Scotia, N. Y., assignors to General Electric Company. Temperature compensating mechanism. 2,486,129, Oct. 25.

Dietrich, Robert L., Midland, and R. W. Williams, Shepherd, assignors to The Dow Chemical Company, Midland, Mich. Lubricant composition. 2,486,130, Oct. 25.

Dike, Sheldon H., Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Detonator safety device. 2,485,817, Oct. 25.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector. 2,486,009, Oct. 25.

Disston, Henry, and Sons, Inc., assignee: *See*—
Entwisle, John M.

Distillation Products, Inc., assignee: *See*—
Koonce, Samuel, and Perry.

Ditto, Incorporated, assignee: *See*—
Tatge, Robert W.

Dodge, Frederick G.: *See*—
Croft, Cyril M., Bergeron, and Dodge.

Dodington, Sven H. M., Nutley, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Sector antenna switching. 2,485,576, Oct. 25.

Doebling, Walter C., Evansville, Ind. Tree holder. 2,485,819, Oct. 25.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Phenol aldehyde resins. 2,485,711, Oct. 25.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Nitrophenyloxypolyalkoxyalkyl ether and a composition of it and a plasticizable organic substance. 2,485,712, Oct. 25.

Donahue, Patrick F., assignor to Scovill Manufacturing Company, Waterbury, Conn. Pipe joint. 2,485,960, Oct. 25.

Doré, Hermas, Montreal, Quebec, Canada. Reversible transmission. 2,485,867, Oct. 25.

Dorjee, Hendrik, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Telephone key with bisecting plate. 2,485,818, Oct. 25.

Dow Chemical Company, The, assignee: *See*—
Dietrich, Robert L.
Griess, Gerald A., and Morris.
Servais, Philip C.
Silvernail, Lloyd H., and Wolf.

Dowd, Erith M., Lakin, Kans. Seed harvester. 2,485,713, Oct. 25.

Drake, Edward P.: *See*—
Ryan, Commodore D., and Drake.

Driggs, Richard J., assignee: *See*—
Koback, Benjamin.

Dubin, Lester, Brooklyn, and E. Pataki, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Ratiometer. 2,485,577, Oct. 25.

Dubois, Eugenelo D.: *See*—
Duggan, Alejandro H., Toots, and Dubois.

Duby, Clarence J., Youngstown, assignor to Republic Steel Corporation, Cleveland, Ohio. Coil handling apparatus and method. 2,485,961, Oct. 25.

Duggan, Alejandro H., R. P. Toots, and E. D. Dubois, Venado Tuerto, Argentina. Method and apparatus for manufacturing blocks from various materials. 2,486,266, Oct. 25.

Dulinsky, Ross E., San Francisco, Calif. Adjustable earphone. 2,486,267, Oct. 25.

Du Mont Allen B., Laboratories, Inc., assignee: *See*—
Kasperowicz, Henry.

Dunbar, Louis R., New Britain, Conn. Safety device for stamping presses and the like. 2,485,714, Oct. 25.

Dunn, George E., assignor to Universal Products Company, Inc., Dearborn, Mich. Constant velocity joint. 2,485,868, Oct. 25.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Arnold, Harold W.
Bogese, Stephen B.
Joyce, Robert M., Jr.
Richmond, Adah B.
White, Jesse O.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

Dustman, Herman C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Capacitor with grounded plates mounted on cooling pipes. 2,486,131, Oct. 25.

Dutchess Jewelry Manufacturing Corporation, assignee: *See*—
Ohl, Edwin C.

Earp, Charles W., and J. D. Weston, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Automatic radio direction finding system. 2,485,578, Oct. 25.

Easlick, Lloyd H., Flourtown, assignor to Pioneer Suspender Company, Philadelphia, Pa. Resilient expansible buckle mounting. 2,486,366, Oct. 25.

Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rocket launching apparatus. 2,485,715, Oct. 25.

Eastman Kodak Company, assignee: *See*—
Kenyon, William O., and Unruh.
Keyes, Grafton H.
Minak, Louis M., and Kenyon.
Minak, Louis M., Kenyon, and Van Campen.
Van Zandt, Gertrude, and Brooker.

Eberhart, Dale R.: *See*—
Scalera, Mario, and Eberhart.

Eberlein, Otto H., Lakewood, and L. L. Young, Cleveland, Ohio, assignors to General Motors Corporation, Detroit, Mich. Automatic template controlled machine tool. 2,485,716, Oct. 25.

Ebersol, Amos R., Lancaster, Pa. Jaw crusher, compound movement. 2,485,717, Oct. 25.

Ebersol, Amos R., Lancaster, Pa. Plural stage jaw crusher, including independent means for adjusting the discharge gap of each stage. 2,485,718, Oct. 25.

Ebling, Paul, assignee: *See*—
Ecklund, Joseph E.

Ecklund, Joseph E., assignor of one-fourth to P. Ebling, Minneapolis, Minn. Trailer with tiltable body. 2,485,869, Oct. 25.

Ecusta Paper Corporation, assignee: *See*—
Corn, William H.

Edgerton, Albert K., Los Angeles, Calif. Flash bulb igniter. 2,486,010, Oct. 25.

Edson, James B., Havre de Grace, Md., assignor to the United States of America as represented by the Secretary of the Navy. Rocket target. 2,485,870, Oct. 25.

Edwards, Leonard C., Sapulpa, Okla. Traffic safety light. 2,485,719, Oct. 25.

Egger, Charles J., Cleveland, Ohio, assignors to The Buckeye Laboratories Corporation. Fluid pressure dampening device. 2,486,133, Oct. 25.

Eichelman, Frank J., Oak Park, assignor to National Cylinder Gas Company, Chicago, Ill. Valve. 2,486,011, Oct. 25.

Elder, Frank R., Niskayuna, N. Y., assignor to General Electric Company. Electric discharge device. 2,486,134, Oct. 25.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.

Elliott, Gusta B., and N. M. Pfann, said Pfann assignor to I. B. Kleinert Rubber Company, Inc., New York, N. Y. Pad for shoulder straps. 2,485,720, Oct. 25.

Elliott, Myron A., Washington, D. C. Fluid inspection apparatus. 2,485,579, Oct. 25.

Ellis-Foster Company, assignee: *See*—
Robertson, John W.

Ellison Draft Gage Company, Inc., assignee: *See*—
Ellison, Lewis M.

Ellison, Lewis M., Winnetka, assignor to Ellison Draft Gage Company, Inc., Chicago, Ill. Pressure gauge having a combined inclined and vertical tube. 2,486,135, Oct. 25.

El-Said, Mohamed A. H.: *See*—
El Shishini, Mahmoud, and El-Said.

El Shishini, Mahmoud, and M. A. H. El-Said, Giza, Cairo, Egypt. Electrical device for effecting the multiplication or division of independent quantities. 2,486,068, Oct. 25.

Emery Industries, Inc., assignee: *See*—
Myers, Latimer D., and Webster.

Empire Furniture Manufacturing Company, assignee: *See*—
Shoenberg, Abraham J.

Emsco Derrick & Equipment Company, assignee: *See*—
Tremolada, Guglielmo R.

Engstrom, Vincent C., South Gate, assignor to Arthur Looff, Long Beach, Calif. Game apparatus. 2,485,721, Oct. 25.

Ensinger, Ray L.: *See*—
Schorn, Carl F., and Ensinger.

Entwisle, John M., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Chain saw. 2,485,962, Oct. 25.

Entwistle, James L., Cranston, assignor to James L. Entwistle Co., Pawtucket, R. I. Insulated electric wire testing. 2,485,871, Oct. 25.

Entwistle, James L., Co., assignee: *See*—
Entwistle, James L.

Ericsson, Ernst A. J., Goteborg, Sweden. Fracture nail. 2,486,136, Oct. 25.

Erkkila, Andrew, assignor to Independent Lock Company, Fitchburg, Mass. Tubular knob latch. 2,486,268, Oct. 25.

Ernst, Robert, Los Angeles, Calif. Compositions of chlorinated terphenyl and cellulose acetate-butyrate for strippable coatings. 2,486,012, Oct. 25.

Ervin, Francis N., Wilmar, Calif. Electrical connector. 2,486,013, Oct. 25.

Erwin Wesley S., assignor to General Motors Corporation, Detroit, Mich. Crystal. 2,485,722, Oct. 25.

Evans, George H., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil dewaxing. 2,486,014, Oct. 25.

Evans, Thomas J., Berkley, assignor of fifty per cent to H. G. Privott, Norfolk, Va. Fuel oil burner with steam and oil mixing means. 2,486,137, Oct. 25.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Collapsible wheel chair. 2,486,015, Oct. 25.

Evinsson, Martin E., Karlskoga, Sweden. Shore. 2,486,132.

Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.
Briskin, Theodore S., and Zivny.

Fairhurst, Leonard G., assignor to Ratrl Limited, Gloucester, England. Screw propeller. 2,484,016, Oct. 25.
Farnsworth Research Corporation, assignee: *See*—
Brown, William T.
Hallmark, Clyde M.
Fawick, Thomas L., Akron, Ohio. Power take-off gearing. 2,486,269, Oct. 25.
Fawick, Thomas L., Cleveland, Ohio. Grease guard for antifriction bearings. 2,486,270, Oct. 25.
Faximile, Inc., assignee: *See*—
Tribble, William H.
Federal Manufacturing & Engineering Corp., assignee: *See*—
Kaplowitz, Morris.
Federal Telecommunication Laboratories, Inc., assignee: *See*—
Dodington, Sven H. M.
Federal Telephone and Radio Corporation, assignee: *See*—
Burroughs, Gordon S.
Clark, Gilbert R.
Dubin, Lester, and Pataki.
Ferrar, Robert C., and Menhennett.
Fram, Alexander.
Grieg, Donald D.
Halvorsen, Drew.
Heigh, Leslie B.
Kandoian, Armig G.
Labin, Emile, and Grieg.
Lombolt, Carl.
Lundberg, Frank J.
Moore, Edward B.
Newitt, John H.
Pickles, Sidney B.
Silver, Martin.
Taylor, Irving R., and Larssen.
Feinberg, Archie S., Dallas, Tex. Water control valve and system for evaporative coolers. 2,486,138, Oct. 25.
Feldman, Dave, assignor of one-half to M. Sommers, New York, N. Y. Alarm bell. 2,486,139, Oct. 25.
Felici, Noël, Grenoble (Isere), assignor to Centre National De La Recherche Scientifique, Paris, France. Electrostatic generating and driving machine. 2,486,140, Oct. 25.
Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest V.
Ferrar, Robert C., New Providence, and G. Menhennett, Red Bank, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Signaling system. 2,485,580, Oct. 25.
Fiedorek, Fred T.: *See*—
Blomquist, Alfred T., and Fiedorek.
First Industrial Corporation, assignee: *See*—
Kaminsky, Oscar H.
Ransome, Stafford G.
Fisher, Clyde M., Youngwood, Pa. Lock hook. 2,485,872, Oct. 25.
Fitzgerald, Chester A., assignee: *See*—
Fitzgerald, Nicholas A.
Fitzgerald, Nicholas A., assignor to C. A. Fitzgerald, St. Paul, Minn. Fire-fighting apparatus. 2,485,723, Oct. 25.
Flett, William J., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Process of making finished circumferentially surfaced lenses from lens stock. 2,485,873, Oct. 25.
Flexentrik Co., assignee: *See*—
Tocci-Bullbert, Berne.
Folker, Herbert P., Oakland, assignor to National Safety Appliance Co., Ltd., San Francisco, Calif. Train control system. 2,486,271, Oct. 25.
Follansbee, Lewis A., assignee: *See*—
Rylee, James A.
Follo, Salvatore J., East Haven, assignor to The Mel Products Company, New Haven, Conn. Diversion nting for hot-water heating systems. 2,486,141, Oct. 25.
Fong, Beanie T., Lodi, Calif. Fish fly making vise and holder. 2,486,142, Oct. 25.
Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making lightweight cellular materials. 2,485,724, Oct. 25.
Forst, Carl, Linneus, Mo. Automatic hog ringer. 2,485,874, Oct. 25.
Foster-Milburn Company, assignee: *See*—
Oelasen, Charles A.
Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical cutout. 2,486,143, Oct. 25.
Fox, William C., Philadelphia, Pa. Double walled pressure cooker. 2,485,581, Oct. 25.
Francis, Carleton S., Jr., West Harwich, Mass., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Coated elastic fabric. 2,485,725, Oct. 25
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Disk brake. 2,486,144, Oct. 25.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company, $HF—BF_3—H_2O$ isomerization catalyst. 2,486,368, Oct. 25.
Frie, George, assignor to Kramer Trenton Company, Trenton, N. J. Semicircular evaporator coil combined with a fan. 2,486,145, Oct. 25.
Frondel, Clifford, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Pressure responsive transducer. 2,486,146, Oct. 25.
Frum, Alexander, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Receiver system. 2,485,562, Oct. 25.
Fulcher, Simeon C., Los Angeles, Calif. Portable commode. 2,485,726, Oct. 25.
Fuller, Carl F., Sacramento, Calif. Corner right, shear and banding machine assembly. 2,486,147, Oct. 25.
Furnett, Ernst A., Chicago, Ill. Gas mixer. 2,486,017, Oct. 25.
Furkert, Ernst A., Chicago, Ill. Fluid fuel burner having laterally directed flame ports. 2,486,018, Oct. 25.
Gagnebin, Albert P.: *See*—
Millis, Keith D., Gagnebin, and Pilling.
Galion Iron Works & Manufacturing Company, The, assignee: *See*—
Wright, Fred J.
Gallina, Harold, Belleville, N. J. Protective device for automotive electric circuit. 2,485,727, Oct. 25.
Gardner, Frances G., assignee: *See*—
Angermann, Willie A. C.
Gardner, Luther W., assignee: *See*—
Angermann, Willie A. C.
Gardner, Norman G., Adrian, Mich. Trap hook. 2,485,728, Oct. 25.
Garrett Corporation, The, assignee: *See*—
Green, Frederick H.
Gazda, Antoine, Providence, R. I. Helicopter with antitorque reaction jet. 2,486,272, Oct. 25.
Gear Grinding Machine Company, The, assignee: *See*—
Davis, Carl K.
General Electric Company, assignee: *See*—
Barlin, Herbert F.
Begga, James E.
Clark, Frank M., and Lipsey.
Davies, David R.
De Walt, Kenneth C., and Curtis.
Elder, Frank R.
McNairy, Jacob W.
Somerville, Gareth G.
General Engineering and Dry Dock Corporation, assignee: *See*—
Tydeman, Clarence W.
General Motors Corporation, assignee: *See*—
Bales, Max G.
Brill, William E.
Clark, Harry F.
Eberlein, Otto H., and Young.
Erwin, Wesley S.
Kazen, Mitchell C.
Mort, Charles H., and Mapes.
Opits, Eric J.
Sampson, Frederick W.
Trott, Winfield J.
Waterbury, Ronald J., and Premo.
General Precision Laboratory Incorporated, assignee: *See*—
Gilbert, Clarke M.
General Railway Signal Company, assignee: *See*—
Willing, Joseph E., and Johanek.
General Steel Castings Corporation, assignee: *See*—
Ainsworth, Thomas H.
Gentry, George A., Newport News, Va. Rotary grass cutter. 2,485,729, Oct. 25.
Gibson, Charles H., Tyndall Field, Fla. Magnetic wheeled toy. 2,486,273, Oct. 25.
Giddings & Lewis Machine Tool Co., assignee: *See*—
Woytych, Raymond M.
Giffen, Harvey D., Theodore, Ala., and T. B. Thomson, Jr., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Recording apparatus for telemetric systems. 2,485,730, Oct. 25.
Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Remote control system. 2,486,357, Oct. 25.
Gilbert, Henry, North Hollywood, Calif., assignor, by mesne assignments, to Gotham Hosiery Company, Inc., New York, N. Y. Stocking inspection device having illuminating and magnifying means. 2,485,820, Oct. 25.
Gillette, Leslie A.: *See*—
Hass, Henry B., and Gillette.
Ginston, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Radio distance measuring system. 2,485,583, Oct. 25.
Ginzton, Edward L., Garden City, N. Y., assignor to The Sperry Corporation. Distance measuring apparatus. 2,485,584, Oct. 25.
Gladstone, William D., assignee: *See*—
Goldrich, Manny.
Gladstone, William D., New York, N. Y. Drum beater. 2,485,824, Oct. 25.
Glass Fibers, Inc., assignee: *See*—
Stevens, Charles R.
Glenn, John W.: *See*—
Watson, William E., and Glenn.
Gloess, Paul F. M., and L. J. Libois, Paris, France. Translation of duration modulated code pulses into equal length code pulses. 2,485,821, Oct. 25.
Glynn, Theodore W., and C. E. Venable, assignors to Blue Ridge Glass Corporation, Kingsport, Tenn. Electric heating element. 2,486,148, Oct. 25.
Goddard, Robert H., Roswell, N. Mex., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Jet control apparatus applicable to entrainment of fluids. 2,486,019, Oct. 25.

Godfrey, James H., Berlin, assignor to The Stanley Works, New Britain, Conn. Power-driven grass trimmer. 2,485,963, Oct. 25.
Goldrich, Manny, Hewlett, assignor to W. D. Gladstone, New York, N. Y. Drum beater. 2,485,822, Oct. 25.
Goldrich, Manny, Hewlett, assignor to W. D. Gladstone, New York, N. Y. Drum beater. 2,485,823, Oct. 25.
Goldstein, Ladislas, assignor to International Standard Electric Corporation, New York, N. Y. Geiger counter. 2,485,586, Oct. 25.
Goldstein, Maxwell K., Washington, D. C. Direction finder. 2,485,585, Oct. 25.
Good, George M.: *See*—
Voge, Hervey H., and Good.
Good, George M., Albany, and H. H. Voge, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylcyclopentane production. 2,485,964, Oct. 25.
Good, George M., Albany, and H. H. Voge, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylcyclopentene production. 2,485,966, Oct. 25.
Gooding, Chester M.: *See*—
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.
Gooding, Chester M., Staten Island, N. Y., H. W. Vahlteich, Edgewater, and R. H. Neal, Jersey City, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soyabean oil composition and preparing same. 2,485,633, Oct. 25.
Gooding, Chester M., Staten Island, N. Y., R. H. Neal, North Bergen, and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Citric acid esters in cheese. 2,485,637, Oct. 25.
Gooding, Chester M., Staten Island, N. Y., H. W. Vahlteich, Englewood, and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Margarine and preparing same. 2,485,638, Oct. 25.
Gorin, Manuel H., and A. J. Abrams, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of synthesis gas. 2,485,875, Oct. 25.
Gorske, Stanley F., Indianapolis, and C. P. Pepper, Plainfield, assignors to L. G. S. Spring Clutch Corporation, Indianapolis, Ind. Spring clutch and engine starter mechanism. 2,486,149, Oct. 25.
Goss, Wensell I., Pittsburgh, Pa. Motor vehicle automatic speed regulator. 2,486,369, Oct. 25.
Goss, Worth C., assignor to United States Sheetwood Company, Seattle, Wash. Sheet lumber. 2,485,587, Oct. 25.
Gotham Hosiery Company, Inc., assignee: *See*—
Gilbert, Henry.
Graef, John R.: *See*—
Laspe, Albert T., and Graef.
Graf, Willi, assignor to Maag Zahnrader Und-Maschinen, A. G., Zurich, Switzerland. Gear grinding machine. 2,486,020, Oct. 25.
Graham, Frank L.: *See*—
Berlin, Irving, Graham, and McCann.
Graham, Harold J., Boston, Mass., assignor to Graham Manufacturing Corporation, Detroit, Mich. Welding generator safety circuit. 2,486,274, Oct. 25.
Graham Manufacturing Corporation, assignee: *See*—
Graham, Harold J.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Apparatus for visual detection of illuminated suspended matter in fluids. 2,485,588, Oct. 25.
Gravley, Charles K., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Piezoelectric transducer and producing same. 2,486,150, Oct. 25.
Gray, Frank, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Selenium rectifier and photocell. 2,485,589, Oct. 25.
Green, Frederick H., assignor to The Garrett Corporation, Los Angeles, Calif. Cooling system for compartments using expansion engine means. 2,485,590, Oct. 25.
Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse time division multiplex system. 2,485,591, Oct. 25.
Griess, Gerald A., and E. D. Morris, assignors to The Dow Chemical Company, Midland, Mich. Molding compositions. 2,485,592, Oct. 25.
Grilli, John P.: *See*—
Mohr, Albert Mohr, Jr., and Grilli.
Grinwald, Mathias E., Hartland, Wis. Machine for harvesting and baling underwater plant life. 2,486,275, Oct. 25.
Grip, Erik: *See*—
Carlstrom, Bengt, and Grip.
Grissinger, George G.: *See*—
Lindstrom, Ture, and Grissinger.
Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Computing circuits. 2,485,825, Oct. 25.
Gross, Fritz A., Weston, and R. R. Darden, Jr., Newton Highlands, assignors, by mesne assignments, to Raytheon Alr Beam, Inc., Newton, Mass. Electric motor control system. 2,486,151, Oct. 25.
Gross, Thomas A. C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillator. 2,486,021, Oct. 25.
Gruen, Wolf J., New York, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill. Wave-signal amplitude-limiting system. 2,485,731, Oct. 25.
Guest, Manuel T., Los Angeles, Calif. Vise jaw faceplate. 2,485,876, Oct. 25.
Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.
Gusdorf, Frederik H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Uncontrol permeability tuning device for superheterodyne receivers. 2,486,152, Oct. 25.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Gearshift control. 2,485,732, Oct. 25.
Guy, Bernard A. P., Philadelphia, Pa. Hook cap for clothes poles. 2,486,276, Oct. 25.
Gwyn, James D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending a plurality of glass sheets simultaneously. 2,486,153, Oct. 25.
H-P-M Development Corporation, assignee: *See*—
Tucker, Warren R.
Haas, Milford, Brooklyn, N. Y. Pneumatic kite. 2,486,158, Oct. 25.
Hadfield, Bertram M., Harrow Weald, England, assignor to Automtaic Electric Laboratories Inc., Chicago, Ill. Electronic impulse generator. 2,486,154, Oct. 25.
Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating arrangement. 2,486,156, Oct. 25.
Hagg, Arthur C., and B. Carpetti, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Portable generator for the balancing of rotors. 2,486,277, Oct. 25.
Hägglund, Bengt S.: *See*—
Adler, Erich, and Hägglund.
Haigh, Leslie B., West Orange, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Rectifier and making the same. 2,485,593, Oct. 25.
Haist, Dale E.: *See*—
Haist, Wade E. and D. E.
Haist, Wade E., Aurora, and D. E. Haist, Fairview, Ill. Socket wrench with attached bar-handle. 2,486,022, Oct. 25.
Halahan, John, Jackson Heights, and F. A. Lyon, Hillside Heights, N. Y., L. H. Mortimer, Caldwell, N. J., and T. F. Aronson, St. Albans, N. Y., assignors, by mesne assignments, to Bell & Howell Company. Projection microfilm reader. 2,486,157, Oct. 25.
Hall, William D., Elkins, W. Va. Heater. 2,486,156, Oct. 25.
Hallie, Gerardus, Geleen, Netherlands, assignor to de Directie van de Staatsmijnen in Limburg, Handerlend voor en namens de Staat der Nederlanden, Heerlen, Netherlands. Reduction of nitrobenzene to hydrasobenzene. 2,486,358, Oct. 25.
Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Waveform compensating circuit for television film transmitters. 2,485,594, Oct. 25.
Halvorsen, Drew, Westfield, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Magnetic core and clamp. 2,485,599, Oct. 25.
Hamilton, Vivian E., Jr., Shreveport, La. Lawn edging implement. 2,485,877, Oct. 25.
Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Machine for applying plastic material. 2,485,595, Oct. 25.
Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Shoe jack. 2,485,596, Oct. 25.
Hanley, Stanley M., assignee: *See*—
Bixby, William H.
Hanlon, Martin J., Cleveland, Ohio. Tractor-trailer drive coupling. 2,485,878, Oct. 25.
Harding, Archibald B., Stoneham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of patent leather and simulated patent leather. 2,485,967, Oct. 25.
Hardinge Brothers, Inc., assignee: *See*—
Strom, David W.
Harinck, Peter J., Ferndale, Mich. Well drilling means. 2,485,826, Oct. 25.
Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas burner having removable cap structures. 2,486,278, Oct. 25.
Harper-Wyman Company, assignee: *See*—
Harper, Philip S.
Harris, Sylvia S.: *See*—
Maker, Gertrude H., and Harris.
Hart, Edward L., Abington, assignor to Philco Corporation, Philadelphia, Pa. Air conditioner having condensate removal means. 2,485,733, Oct. 25.
Hartford-Empire Company, assignee: *See*—
Berthold, Walter K.
Berthold, Walter K., and Light.
MacConnell, Hugh C., Jr.

Hartford National Bank & Trust Co., trustee, assignee: *See*—
Buest, Roelof Dirk, and de Lange.
Derjes, Hendrik.
Goudriaan, Frederik H.
Holst, Gilles and Vermeulen.
Jonker, Johan L. H.
Le Poole, Jan B.
Pinkney, Arthur J.
Posthumus, Klaas.
Strutt, Maximilliaan J. O., and van der Ziel.
V. Amstelvoort, Bernardus M.
Van Lammeren, Johannes A.
Van Wessem, Franciscus L.

Hartzell Industries, Inc., assignee: *See*—
Biermann, David.
Hartzell, Robert N.

Hartzell, Robert N., assignor to Hartzell Industries Inc., Piqua, Ohio. Propeller for aircraft. 2,485,827, Oct. 25.

Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Ethyl cellulose gels. 2,485,597, Oct. 25.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Millable compositions. 2,485,598, Oct. 25.

Harwood, James E., Beulah, Mich., assignor to L. C. Antles, Wenatchee, Wash. Beehive exit device. 2,485,879, Oct. 25.

Hass, Henry B., West Lafayette, Ind., and L. A. Gillette, Wyandotte, Mich., assignors to Purdue Research Foundation, West Lafayette, Ind. Nitro group replacement process. 2,486,023, Oct. 25.

Hathaway, George G., Springfield, Mass. Swinging holder for card tables and the like. 2,486,279, Oct. 25.

Hauer, Victoria T., Dayton, Ohio. Clerical vest. 2,485,828, Oct. 25.

Haussmann, Frederick, assignor to William Walker and Sons Limited, Bolton, England. Apparatus for testing friction. 2,486,260, Oct. 25.

Haven, Roger W., Winchester, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp support. 2,486,159, Oct. 25.

Hawaiian Pineapple Company, Limited, assignee: *See*—
Abrey, John and Munro.

Hawkins, George W., Forest Hills, N. Y., assignor, by mesne assignments, to F. J. Stevens, Chattanooga, Tenn. Combination heater, coffee table, and tray. 2,485,880, Oct. 25.

Haseltine Research, Inc., assignee: *See*—
Gruen, Wolf J.
Hurst, William M.

Hearne, George W., El Cerrito, and H. L. Yale, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of polyalkylene glycols. 2,486,024, Oct. 25.

Heidenburg, Oscar F., Pittsburgh, Pa., assignor to H. W. Moberg, trustee, Toledo, Ohio. Derivatives of safrol and isosafrol. 2,485,600, Oct. 25.

Hedges, Lee M.: *See*—
Black, Robert E., and Hedges.

Helin, Eero R., Franklin Square, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test prod. 2,485,881, Oct. 25.

Henry, Curtis R., Youngstown, assignor to Valley Mould and Iron Corporation, Hubbard, Ohio. Arc cutting of metal and electrode therefor. 2,486,281, Oct. 25.

Hepner, Franklin R.: *See*—
Lucas, Howard J., and Hepner.

Hercules Powder Company, assignee: *See*—
Long, John H., and Sheffield.

Hester, William F.: *See*—
Craig, W. B., and Hester.

Hayden Chemical Corporation, assignee: *See*—
Woodruff, Howard C.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Multiple cartridge launcher. 2,485,691, Oct. 25.

Hilliard, Robert C., assignor to Sylvania Electric Products, Inc., Salem, Mass. Rectifier tube and circuit. 2,486,025, Oct. 25.

Hillther, Frank T., St. Louis, Mo., assignor of fifty per cent to E. M. Carson, Red Oak, Iowa, and fifty per cent to E. Hohl, Kansas City, Mo., as trustee for G. C. Hohl. Prerinsing soiled dishes and simultaneously recovering tableware from table scraps. 2,485,968, Oct. 25.

Hills, John M., Midland, Tex. Examination box. 2,486,026, Oct. 25.

Hillyer, John C.: *See*—
Schulze, Walter A., and Hillyer.

Hilton, Albert, assignor to Sport Products, Inc., Cincinnati, Ohio. Baseball baseman's mitt. 2,485,882, Oct. 25.

Hinds, William L., assignee: *See*—
Briggs, Arthur J.

Hirsch, Stephen G., assignor to Ocean City Manufacturing Company, Philadelphia, Pa. Fishing reel. 2,486,027, Oct. 25.

Hockery, John C., assignee, trustee: *See*—
Scott, Robert J.

Hoe, R., & Co. Inc., assignee: *See*—
Turrell, George.

Hoffman, Carroll G., Independence, and J. M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Heat-treatment for high carbon high chromium steel. 2,486,282, Oct. 25.

Hoffman, Carrell G., Independence, and J. M. Kiefer, Jr., East Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Heat-treatment for high carbon high chromium steel. 2,486,283, Oct. 25.

Hoffmann-LaRoche Inc., assignee: *See*—
Adler, Erich, and Häggiund.
Aeschlimann, John A., and Stempel.

Hohl, Ethel, trustee, assignee: *See*—
Hilliker, Frank T.

Hohl, George C.: *See*—
Hilliker, Frank T.

Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Air position indicator. 2,485,883, Oct. 25.

Holley, Earl, assignee: *See*—
Schorn, Carl F., and Ensinger.
Stresen-Reuter, John H.
Udale, Stanley M.

Holley, George M., assignee: *See*—
Schorn, Carl F., and Ensinger.
Stresen-Reuter, John H.
Udale, Stanley M.

Holmberg, Theodore A., Stamford, Conn. Heating system. 2,486,160, Oct. 25.

Holmes, Paul J., assignor to R. R. Stoddart, Los Angeles, Calif. High-frequency receiving system having inductively coupled butterfly type circuits. 2,485,884, Oct. 25.

Holsclaw, Neil, Chicago, assignor of one-half to F. E. Sudlow, Rock Island, Ill. Tonsorial device. 2,486,028, Oct. 25.

Holst, Gilles, and R. Vermeulen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for and method of electrooptically scanning and reproducing recorded oscillations. 2,485,829, Oct. 25.

Holst, Knute A., Astoria, assignor to Pitometer Log Corporation, New York, N. Y. Electric motor follow-up apparatus. 2,486,029, Oct. 25.

Hoopes, Penrose B., Philadelphia, Pa., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Collapsible tube. 2,485,885, Oct. 25.

Hopkins, Cyril J.: *See*—
Smith, Arthur R., Lee, and Hopkins.

Hopley, Horace E.: *See*—
Beale, Charles E., and Hopley.

Horth, Jack C.: *See*—
Sperry, Ralph W. E., and Horth.

Horwitz, Solomon, Belmont, Mass. Pallet. 2,486,284, Oct. 25.

Houdry Process Corporation, assignee: *See*—
Mills, George A.

Hovannessian, Karnig, Cairo, Egypt. Spring clothes peg. 2,485,602, Oct. 25.

Howell, McKinley, assignee: *See*—
Coffeen, Richard W.

Huffman, Hal C.: *See*—
Nahin, Paul G., and Huffman.

Hughes, Harold P., Canton, Ohio. Trailer hitch. 2,486,161, Oct. 25.

Hurst, William M., Oak Ridge, Tenn., assignor to Haseltine Research, Inc., Chicago, Ill. Electrical contact member. 2,486,285, Oct. 25.

Hutt, Herman H., Brooklyn, N. Y. Three-dimensional display device. 2,485,830, Oct. 25.

Hutter, Frank E., and A. Quirin, New York, N. Y. Cigarette lighter. 2,485,734, Oct. 25.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes. 2,486,162, Oct. 25.

Hyde, Lawrence K., Washington, D. C., assignor to The Baldwin Locomotive Works. Deflectometer. 2,485,735, Oct. 25.

I-T-E Circuit Breaker Company, assignee: *See*—
Bohn, Donald I.

Independent Lock Company, assignee: *See*—
Erkkila, Andrew.

Ingwersen, Richard C., assignor to Mechanical Products, Inc., Jackson, Mich. Switch. 2,485,736, Oct. 25.

International Cigar Machinery Company, assignee: *See*—
Sowa, Frank J., and Tone.

International Nickel Company, Inc., The, assignee: *See*—
Millis, Keith D., Gagnebin, and Pilling.

International Standard Electric Corporation, assignee: *See*—
Bion, Joseph.
Burroughs, Gordon.
Cleaver, Richard F.
Deakin, Gerald.
Earp, Charles W., and Weston.
Goldstein, Ladislas.
Gray, Frank.
Martini, Edouard.
McWhirter, Eric M. S.
Parker, Louis W.
Roach, Richard G.
Smyth, Charles N.

Irving, James H., Los Angeles, Calif. Cork puller. 2,486,286, Oct. 25.

Ivanoff, James: *See*—
Rumpakis, Louis, Ivanoff, and Sussman.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Sealing means for the joints between the movable and stationary walls of an adjustable wind tunnel nozzle. 2,486,287, Oct. 25.

Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Plug cock valve. 2,485,831, Oct. 25.

Jacoby, George W., Jr., Wooster, Ohio. Fingerprint machine. 2,485,737, Oct. 25.

Jacuzzi Bros., Incorporated, assignee: *See*—
Jacuzzi, Candido, and Armstrong.

Jacuzzi, Candido, and J. E. Armstrong, Berkeley, Calif., assignor to Jacuzzi Bros., Incorporated. Self-priming deep well pump system. 2,486,288, Oct. 25.

Jaeger Machine Company, assignee: *See*—
Van Voorhis, William G.

James, Delwin V., Houston, Tex. Turning device. 2,486,030, Oct. 25.

Jameson, Charles M., Detroit, Mich. Holding valve device for fluid operated brakes. 2,486,289, Oct. 25.

Jam Handy Organization, Inc., The, assignee: *See*—
Davock, Alfred M.

Jefferson Electric Company, assignee: *See*—
Mauerer, Leopold.

Jencks, Charles D., Bristol, assignor, by mesne assignments, to The Werdna Company, Bristol Highlands, R. I. Winding machine. 2,486,031, Oct. 25.

Jennings, Harry C.: *See*—
Everest, Herbert A., and Jennings.

Jennings, Robert E., and H. K. Snyder, Reno, Nev. Dip net. 2,486,163, Oct. 25.

Jerome, Jack, Little Neck, assignor, by mesne assignments, to Manning, Maxwell, and Moore, Inc., New York, N. Y. Valve. 2,486,164, Oct. 25.

Jeschke, Ernest, Syracuse, N. Y. Intermittent clutch. 2,485,738, Oct. 25.

Jimenes, Joseph J., New York, N. Y. Silent typewriter base. 2,486,032, Oct. 25.

Johanek, George J.: *See*—
Willing, Joseph E., and Johanek.

Johns-Manville Corporation, assignee: *See*—
Colton, Dudley T., and Barbehenn.
Slack, Robert E., and Hedges.

Johnson, Norma C.: *See*—
Williams, Albert J., Jr., Tarpley, and Johnson.

Johnson, Stanley N., assignor to Motor Wheel Corporation, Lansing, Mich. Making brake drums. 2,485,989, Oct. 25.

Johnson, Wallace E.: See—
Smith, Nell C., and Johnson.

Johnstone, Charles W., Garden City, and L. P. Mautner, Bronx, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Triple gate. 2,483,886, Oct. 25.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Gas washing device. 2,485,739, Oct. 25.

Jones, Thomas F., Nashville, Tenn. Rail anchoring and securing device. 2,486,290, Oct. 25.

Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Cathode structure for electric discharge tubes. 2,486,292, Oct. 25.

Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Projectile. 2,485,887, Oct. 25.

Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Electronic tachometer and stroboscope. 2,485,888, Oct. 25.

Jorgensen, Betty J., assignee: *See*—
Berndsen, William E.

Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding transformer control system. 2,486,165, Oct. 25.

Journeaux, Didier, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Welding transformer control system. 2,486,166, Oct. 25.

Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrocarbosilicon thiocyanates and articles treated therewith. 2,485,603, Oct. 25.

Jurasevich, Elsie M., assignee: *See*—
Jurasevich, Mitchell L.

Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Cord winder. 2,486,167, Oct. 25.

Jurasevich, Mitchell L., assignor to E. M. Jurasevich, Alturas, Calif. Interlocking assembly for sheet metal roofing or siding. 2,486,168, Oct. 25.

Kagan, Benjamin S.: *See*—
Patterson, Glenn A., and Kagan.

Kalbach, John C., assignor to The American Metal Company, Limited, New York, N. Y. Fluidizing process for producing zinc. 2,485,604, Oct. 25.

Kaminky, Oscar H., Sycamore, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device. 2,486,033, Oct. 25.

Kamlet, Jonas, New York, N. Y., assignor to Publicker Industries Inc., Philadelphia, Pa. Grain fumigant. 2,485,605, Oct. 25.

Kandolan, Armig G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Protective coupling circuit. 2,485,606, Oct. 25.

Kaplowitz, Morris, Brooklyn, N. Y., assignor to Federal Manufacturing & Engineering Corp. Photographic shutter with cover blade and magnetic retarding means. 2,486,169, Oct. 25.

Karrer, Josef, Zurich, assignor to Ateliers de Construction Oerlikon, Zurich-Oerlikon, Switzerland. Steam-air thermal power plant. 2,486,291, Oct. 25.

Kasperowicz, Henry, assignor to A. B. Du Mont Laboratories, Inc., Passaic, N. J. Preparing and coating screen material on tubes. 2,485,607, Oct. 25.

Katsow, Abram, Indianapolis, Ind. Heat operated compression refrigeration. 2,486,034, Oct. 25.

Kavanaugh, Edward S., Notre Dame, Ind., assignor of one-half to E. M. Quinn, Oak Park, Ill. Extensible canopy. 2,486,170, Oct. 25.

Kawneer Company, The, assignee: *See*—
Miller, James T.

Kazen, Mitchell C., assignor to General Motors Corporation, Detroit, Mich. Spare tire and wheel carrier. 2,485,740, Oct. 25.

Keagle, Stanley E., Minneapolis, Minn. Feeder. 2,485,832, Oct. 25.

Kearney, Edward J., deceased, Wauwatosa, by O. W. Carpenter, Jr., special administrator, Fox Point, and J. B. Armitage, Wauwatosa, Wis., and W. M. Pohl, Hamden, Conn., assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission. 2,486,294, Oct. 25.

Kearney, James R., Corporation, assignee: *See*—
Fox, Charles A.

Kearney & Trecker Corporation, assignee: *See*—
Kearney, Edward J., Armitage, and Pohl.

Keasbey & Mattison Company, assignee: *See*—
Miller, Lewis B., and Seipt.

Kegevic, Paul A., Chicago, Ill. Type soldering jig. 2,486,171, Oct. 25.

Keim, David Y., Garden City, N. Y., assignor to The Sperry Corporation. Pulse modulator. 2,485,608, Oct. 25.

Kelco Company, assignee: *See*—
Steiner, Arnold B.
Steiner, Arnold B., and Sperry.

Keljik, Bartev A., Minneapolis, Minn. Barbecue apparatus. 2,485,890, Oct. 25.

Kempt, William B., Oakland, Calif. Shockproof dial indicator. 2,486,293, Oct. 25.

Kendall, Floyd J., assignor to The Springfield Metallic Casket Co., Inc., Springfield, Ohio. Handle attaching means. 2,485,833, Oct. 25.

Kenyon, William O.: *See*—
Minsk, Louis M., and Kenyon.
Minsk, Louis M., Kenyon, and Van Campen.

Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of isopropenyl acetate and fumaric or maleic ester-amides. 2,486,370, Oct. 25.

Kessler, Frank, Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse testing apparatus. 2,486,172, Oct. 25.

Keyes, Grafton H., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing meso-substituted carbocyanine dyes and thioketones. 2,486,173, Oct. 25.

Kiefer, John M., Jr.: *See*—
Hoffman, Carroll G., and Kiefer, Jr.

Kindorf, Harry L., San Francisco, Calif. Cable clamp. 2,485,891, Oct. 25.

King, Benjamin M., Jr., Evansville, Ind. Molding cellular products. 2,485,742, Oct. 25.

King, Ernest L., administrator: *See*—
King, Frank A.

King, Frank A., deceased, Los Angeles, by W. S. King, Tujunga, E. L. King, Los Angeles, Calif., and A. W. Tedstrom, Parsons, Kans., administrators, assignors to M. L. King, Tujunga, Calif. Reeling mechanism. 2,485,741, Oct. 25.

King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feed control system. 2,486,295, Oct. 25.

King, Mary L., assignee: *See*—
King, Frank A.

King, William S., administrator: *See*—
King, Frank A.

Kirsch Company, assignee: *See*—
Stutz, Frederick L.

Kirschbaum, Abe F., Greenbelt, Md., assignor of sixty per cent to S. O. Olson, Washington, D. C. Calculator device. 2,485,892, Oct. 25.

Kissling, Edmund D., New York, N. Y. Plastic picture frame. 2,486,174, Oct. 25.

Kittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Ribbon roll mounting for typewriting or like machines. 2,486,175, Oct. 25.

Kleinert, I. B., Rubber Company, Inc., assignee: *See*—
Elliott, Gusta B., and Pfann.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,176, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,177, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,178, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,179, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,180, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,181, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,182, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,183, Oct. 25.

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Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Shock-excited oscillator. 2,486,288, Oct. 25.

Klemperer, Hans, Belmont, assignor to Raythe

Koback, Benjamin, assignor to R. J. Driggs, Portland, Oreg. Trailer hitch. 2,485,743, Oct. 25.
Koester, Jacob G., Detroit, Mich. Support for clothesalines and the like. 2,486,035, Oct. 25.
Koonce, Samuel, and E. Perry, assignors to Distillation Products, Inc, Rochester, N. Y. Treatment of tall oil and portions thereof. 2,485,744, Oct. 25.
Koons, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Heat dissipator for electrical devices and equipment. 2,485,745, Oct. 25.
Koppers Company, Inc., assignee: *See*—
Caveiti, John E.
Korner, John, Philadelphia, Pa., assignor to Silmo Chemical Corporation, Vineland, N. J. Stabilised fats and oils. 2,486,177, Oct. 25.
Kost, Alwin, Portland, Oreg. Universal joint. 2,485,893, Oct. 25.
Koster, Frederick W., Wallingford, and L. A. Oberly, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Drying apparatus. 2,485,609, Oct. 25.
Kraft Foods Company, assignee: *See*—
Dahnke, Marye.
Kramer Trenton Company, assignee: *See*—
Frie, George.
Kromer, Wallace R., Cleveland Heights, assignor to Superflow Manufacturing Corporation, Cleveland, Ohio. Beverage storing and dispensing system. 2,485,610, Oct. 25.
Krueger, Roland F. W., Cleveland, Ohio, assignor to Bamberger-Reinthal Company. Knitting process. 2,485,746, Oct. 25.
Krueger, Roland F. W., Cleveland, Ohio, assignor to Bamberger-Reinthal Company. Knitted fabric and making the same. 2,485,747, Oct. 25.
Kucera, Barney J., Cleveland, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Observation apparatus without wire changeovers. 2,485,748, Oct. 25.
Kuehlhorn, Bert O., Chicago, Ill. Hot food carton. 2,486,178, Oct. 25.
Kuehnel, William J., Bridgehampton, assignor of one-half to J. G. G. Merrow, New York, N. Y. Take-up roller. 2,486,179, Oct. 25.
Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Humidity control system. 2,485,894, Oct. 25.
L. G. S. Spring Clutch Corporation, assignee: *See*—
Gorske, Stanley F., and Pepper.
Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Broadcasting system. 2,485,611, Oct. 25.
Labin, Emile, New York, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio beacon system. 2,485,612, Oct. 25.
Lacon, Gilbert W., assignor of one-third to Wilmot-Breeden Limited, Birmingham, and one-third to H. Newsum Sons & Company, Limited, Lincoln, England. Fastening for cupboard, cabinet, or other like doors. 2,486,036, Oct. 25.
Ladd, Bernard G., Manhasset, N. Y. Musical wind instrument. 2,485,749, Oct. 25.
Laird, Joseph P., Philadelphia, Pa. Spindle unit. 2,486,296, Oct. 25.
Lambert, A. Ray, assignee: *See*—
Brump, Herbert L.
Lambert, Ernest E., Springfield, Mass., assignor to Patchogue-Plymouth Mills Corporation, New York, N. Y. Twisted paper thread and method of and apparatus for twisting the same. 2,486,037, Oct. 25.
Lancia, Gianni, Turin, Italy. Heating device for engines. 2,485,750, Oct. 25.
Landis Tool Company, assignee: *See*—
Balsiger, Harold E., and Price.
Landon, Charles A., Columbus, Ohio. Molding form for use in producing burial vaults and the like. 2,486,038, Oct. 25.
Lane, Ralph L., and J. Vaccaro, Waterbury, Conn. Coin and key holder. 2,486,180, Oct. 25.
Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument. 2,486,039, Oct. 25.
Langston, Carl D., assignee: *See*—
Purvis, Damon D.
La Relliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, assignee: *See*—
Bonnet, Maurice.
Larsen, Elmer J., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Tension controlling apparatus. 2,486,896, Oct. 25.
Larsen, Merwin J., Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument. 2,485,751, Oct. 25.
Larson, Donald E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Guide for lifter roof tanks. 2,485,613, Oct. 25.
Larson, Donald E., Eureka, Calif., and C. Arne, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Stabilizing and guide apparatus for lifter roofs. 2,485,614, Oct. 25.
Larson, Lester, Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Preparing crystalline salts of penicillin. 2,486,181, Oct. 25.
Larsson, Lars: *See*—
Taylor, Irving R., and Larsson.
Laspe, Albert T., Normandy, and J. R. Graef, assignors to Lincoln Engineering Company, St. Louis, Mo. Surge-compensated liquid pump. 2,485,752, Oct. 25.
Laube, Grover, and W. A. Wootten, assignors to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Motion-picture film splicer. 2,486,040, Oct. 25.
Lawrence, Robert R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride-containing resin stabilized with propylene glycol diricinoleate. 2,486,182, Oct. 25.
Lederer, Eugene H., Brooklyn, N. Y. Spray nozzle. 2,486,297, Oct. 25.
Lee, George A.: *See*—
Smith, Arthur R., Lee, and Hopkins.
Leeds and Northrup Company, assignee: *See*—
Williams, Albert J., Jr., Tarpley, and Johnson.
Lefler, James L., North Hollywood, and J. E. Leininger, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Fluid pressure device. 2,485,753, Oct. 25.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed car truck. 2,485,970, Oct. 25.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,972, Oct. 25.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,485,973, Oct. 25.
Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,974, Oct. 25.
Leich Electric Company, assignee: *See*—
Reid, Alexander C., and Blackhall.
Leininger, James E.: *See*—
Lefler, James L., and Leininger.
Leiter, Harry H., assignee: *See*—
Longfellow, Earl E.
Lenta, Joseph G., Duluth, Minn. Hopper discharge expediter. 2,486,298, Oct. 25.
Le Poole, Jan B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron microscope. 2,485,754, Oct. 25
Lepper, Edwin P., Springfield, Mass. Toy signal device. 2,486,299, Oct. 25.
Leroy, Robert P., assignor to Compagnie Generale D'Electricite, Paris, France. Double-current audio-frequency telegraphic transmission system. 2,486,041, Oct. 25.
Lesigne, Henri L., Vanves, France. Contact-making device for electrical appliances. 2,486,042, Oct. 25.
Libbey-Owens-Ford Glass Company, assignee: *See*—
Gwyn, James D.
Libois, Louis J.: *See*—
Gloess, Paul F. M., and Libois.
Light, David M., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,485,971, Oct. 25.
Light, John S.: *See*—
Berthold, Walter K., and Light.
Lilly, Eli, and Company, assignee: *See*—
Rohrmann, Ewald.
Limpert Bros., Inc., assignee: *See*—
Moser, Frank T.
Lincoln Engineering Company, assignee: *See*—
Laspe, Albert T., and Graef.
Linde Air Products Company, The, assignee: *See*—
Barnes, Malcolm H., and McCandless.
McCandless, Edward L., and Yenni.
Lindstrom, Ture, Edgewood, and G. G. Grissinger, Wilkinsburg, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Electromagnetic trip circuit breaker. 2,486,300, Oct. 25.
Linington, Reuben, Bellemead, N. J. Hopper trap. 2,486,301, Oct. 25.
Lipsey, Goldner F.: *See*—
Clark, Frank M., and Lipsey.
Lock, Robert L., Birmingham, Ala., assignor to Anderson Brass Works. Screw clamp cable coupling. 2,485,834, Oct. 25.
Locke, George A., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph storage system. 2,486,302, Oct. 25.
Lofgren, Carl W., New York, N. Y. Reversible ratchet mechanism. 2,486,043, Oct. 25.
Lomholt, Carl, Bogota, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicator for telephone switchboards. 2,485,615, Oct. 25.
Long, John H., Marshallton, and D. H. Sheffield, assignors to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of butadiene in the presence of a salt of a middle fraction of a dehydrogenated rosin. 2,485,616, Oct. 25.
Long, John H., Marshallton, and D. H. Sheffield, assignors to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of butadiene in the presence of a salt of a dehydrogenated middle fraction of rosin. 2,486,183, Oct. 25.
Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical appliance for bone fractures. 2,486,303, Oct. 25.
Looff, Arthur, assignee: *See*—
Engstrom, Vincent C.

Loosli, Dimond H., Idaho Falls, Idaho. Ditch dam. 2,485,755, Oct. 25.
Louden Machinery Company, The, assignee: *See*—
Spafford, Ralph W.
Loukomsky, Serge A., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing organic crystallizing liquid stable phthalocyanine pigments. 2,486,304, Oct. 25.
Lucas, Howard J., and F. R. Hepner, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Shaping articles of methyl methacrylate resin. 2,485,896, Oct. 25.
Lummus Company, The, assignee: *See*—
O'Connor, Ward J. F.
Lundberg, Frank J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Capacitive switch. 2,485,617, Oct. 25.
Lusk, William J., Berea, Ohio. Tap grinding fixture. 2,486,044, Oct. 25.
Lyon, Floyd A.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.
Maag Zahnrader Und-Maschinen, A. G., assignee: *See*—
Graf, Willi.
Macbeth, George T., Bronxville, N. Y. Wash box and tar separator of water-gas manufacturing machines. 2,485,835, Oct. 25.
MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford Conn. Glassware mold cooling means. 2,485,836, Oct. 25.
MacKenzie, R. E., assignee: *See*—
Adams, Douglas D., Rollius, and Risher.
Mackta, Leo, New York, N. Y. Distance and direction finder radio beacon system. 2,485,618, Oct. 25.
Madden, James C., 3rd., New York, assignor to Consolidated Lithographing Corporation, Brooklyn, N. Y. Collapsible packaging container. 2,486,045, Oct. 25.
Magnavox Company, The, assignee: *See*—
Koons, John C.
Mahnke, Kurt, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-phase transfer relay. 2,486,305, Oct. 25.
Main, Benjamin A., Jr., assignor to Aeroquip Corporation, Jackson, Mich. Hose and fitting. 2,485,975, Oct. 25.
Main, Donald W., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Hydraulic connector. 2,485,976, Oct. 25.
Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,486,306, Oct. 25.
Mains, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Stress measuring device. 2,485,977, Oct. 25.
Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Parking valve assembly for brake applying mechanism. 2,486,046, Oct. 25.
Maker, Gertrude H., and S. S. Harris, New York, N. Y. Knitting needle. 2,486,184, Oct. 25.
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Opposed piston internal combustion engine. 2,486,185, Oct. 25.
Mallory Research Company, The, assignee: *See*—
Mallory, Marion.
Mancusi, Amedeo, Rosedale, N. Y. Combined table and chairs. 2,486,186, Oct. 25.
Mankki, Onnie, Cleveland Heights, assignor to Designers For Industry, Inc., Cleveland, Ohio. Bathroom construction. 2,486,371, Oct. 25.
Mann, Fredric R., assignee, trustee: *See*—
Apgar, Charles W., and Rosenfeld.
Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Beck, Rudolf.
Jerome, Jack.
Mapes, Clyde W.: *See*—
Mort, Charles H., and Mapes.
Marinelli, Joseph, Newark, assignor to Bendix Aviation Corporation, Teterboro, N. J. Supercharger regulator. 2,486,047, Oct. 25.
Marschner, Robert F., Homewood, assignor to Standard Oil Company, Chicago, Ill. Superfuel. 2,485,897, Oct. 25.
Martini, Edouard, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Direction-responsive receiver. 2,485,619, Oct. 25.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,486,187, Oct. 25.
Mathews, Charles B., Ilkley, and J. G. Ambrose, Poolebridge, England. Inflatable core for use in casting hollow concrete units. 2,485,898, Oct. 25.
Mathieson Chemical Corporation, assignee: *See*—
Prosk, William.
Mauerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Ballast reactor transformer. 2,486,307, Oct. 25.
Mautner, Leonard P.: *See*—
Johnstone, Charles W., and Mautner.
May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,486,188, Oct. 25.
Mayfield, George C., Richmond Heights, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,486,359, Oct. 25.
McBain, Ian N., assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Supervisory signal system. 2,486,360, Oct. 25.
McBreen, James, Albany, N. Y. Brush or rubbing device. 2,485,899, Oct. 25.
McCandless, Edward L.: *See*—
Barnes, Malcolm H., and McCandless.
McCandless, Edward L., and D. M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company. Stretching corundum crystal. 2,485,978, Oct. 25.
McCandless, Edward L., and D. M. Yenni, Kenmore, N. Y., assignors to The Linde Air Products Company. Bending single crystals of corundum and spinel. 2,485,979, Oct. 25.
McCann, DeWitt: *See*—
Berlin, Irving, Graham, and McCann.
McClure, Ralston H., Detroit, Mich., assignor of forty per cent to G. W. Wright, Milwaukee, Wis. Rotary pump. 2,485,980, Oct. 25.
McCoppin, Everett R., Dayton, Ohio. Radio-frequency spectroscope. 2,485,620, Oct. 25.
McCormick, Edward P., Scranton, Pa. Wrecker truck body. 2,486,189, Oct. 25.
McCray, George, and R. H. Smith, Houston, Tex., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Paraffin scraper. 2,486,308, Oct. 25.
McIlvaine, Robert L., Glencoe, assignor to H. S. Simpson, Evanston, Ill. Method of and device for testing foundry sand. 2,485,981, Oct. 25.
McIntosh, George F., Paris, Ky. Electric heater. 2,486,309, Oct. 25.
McIntyre, Brouwer D., and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,486,048, Oct. 25.
McKeen, Elmer L., Los Angeles, Calif. Guard attachment for dental tools. 2,485,900, Oct. 25.
McLeod, Don, Parma, and D. O. Norris, Rocky River, Ohio, assignors to The American Steel and Wire Company of New Jersey. Rolling mill guide. 2,486,310, Oct. 25.
McMillan, Graham W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Electrolytic production of aminoalcohols. 2,485,982, Oct. 25.
McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,485,621, Oct. 25.
McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Fluid operated clutch and brake for washing machines. 2,485,623, Oct. 25.
McQuay-Norris Manufacturing Company, assignee: *See*—
Mayfield, George C.
McVicker, Ansley A.: *See*—
McVicker, Howard D. and A. A.
McVicker, Howard D., Forest Hills, and A. A. McVicker, Jeannette, Pa. Machine for producing pads for journal lubrication. 2,485,901, Oct. 25.
McWhirter, Eric M. S., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Vibrator relay. 2,485,624, Oct. 25.
Mechanical Products, Inc., assignee: *See*—
Ingwersen, Richard C.
Meehan, Reginald J., East Hartford, Conn. Convertible ski. 2,485,756, Oct. 25.
Mel Products Company, The, assignee: *See*—
Follo, Salvatore J.
Melton, Benjamin S., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Condenser. 2,485,902, Oct. 25.
Menhennett, Gerald: *See*—
Ferrar, Robert C., and Menhennett.
Mergenthaler Linotype Company, assignee: *See*—
Plastaras, James C.
Merley, Robert W., and V. A. Navikas, assignors to Armstrong Cork Company, Lancaster, Pa. Polyisobutylene-asphalt composition containing hardening agent. 2,485,625, Oct. 25.
Merrow, John G. G., assignee: *See*—
Kuehnel, William J.
Metal Coatings & Manufacturing Company, Inc., assignee: *See*—
Paul, Benjamin F., and Wilkinson.
Meyerson, Joseph J., Montclair, N. J., and H. Buchsbaum, assignors to S. Buchsbaum & Company, Chicago, Ill. Belt and buckle combination. 2,486,311, Oct. 25.
Michel, Mathias, Pittsburgh, Pa. Unwind reel control. 2,485,757, Oct. 25.
Middleton, Donald B., assignee: *See*—
Bixby, William H.
Midland Steel Products Company, The, assignee: *See*—
Cunnington, George A.
Miller, Ernest C. C., Laurelton, N. Y. Hydraulic propulsion system for boats. 2,486,049, Oct. 25.
Miller, James T., assignor to The Kawneer Company, Niles, Mich. Sash construction. 2,485,758, Oct. 25.
Miller, Lewis B., Ambler, and W. E. Seipt, North Wales, assignors to Keasbey & Mattison Company, Ambler, Pa. Method of forming heat insulation. 2,486,050, Oct. 25.
Miller, Neville F., Palmerton, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. VII type phosphor. 2,485,903, Oct. 25.
Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, Walter H., Danville, Iowa. Brake actuator. 2,486,759, Oct. 25.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency thermocouple for concentric lines. 2,485,904, Oct. 25.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-frequency thermocouple for wave guides. 2,485,905, Oct. 25.

Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for feeding clay to pottery molds. 2,486,051, Oct. 25.

Millis, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Cast ferrous alloy. 2,485,760, Oct. 25.

Millis, Keith D., Rahway, A. P. Gagnebin, Red Bank, and N. B. Pilling, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Gray cast iron having improved properties. 2,485,761, Oct. 25.

Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalytic conversion of hydrocarbons. 2,485,626, Oct. 25.

Mills, King L., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic hydrocarbon conversion. 2,485,906, Oct. 25.

Milsteel Products Co., assignee: *See*—
Busch, Fred.
Witzel, Ernst.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wilson, John M., and Cyr.

Minneapolis-Moline Company, assignee: *See*—
Seaholm, John P.

Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Imidized polyacrylamides. 2,486,190, Oct. 25.

Minsk, Louis M., W. O. Kenyon, and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. Polymerizing acrylamide. 2,486,191, Oct. 25.

Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Gel-type imidized polyacrylamide. 2,486,192, Oct. 25.

Mississippi Valley Research Laboratories, Inc., assignee: *See*—
Doelling, George L., and Adams.

Mitchell, Charles, assignee: *See*—
Renison, Matthew A.

Mittendorf, Harvey C., East Orange, N. J., assignor to Combustion Engineering-Superheater, Inc. Surge tank for electric boilers. 2,485,762, Oct. 25.

Moburg, Harold W., assignee, trustee: *See*—
Hedenburg, Oscar F.

Mohr, Albert, Jr., and J. P. Grilli, Chicago, Ill. Pressure sealing means for revolving distributors of blast furnaces. 2,486,312, Oct. 25.

Monroe Auto Equipment Company, assignee: *See*—
McIntyre, Brouwer D., and Read.

Monsanto Chemical Company, assignee: *See*—
Harding, Archibald B.
Lawrence, Robert R.
Taylor, George E., and Adams.

Montalbano, Anthony, Baton Rouge, La. Self-propelled boat. 2,486,313, Oct. 25.

Montclair Research Corporation, assignee: *See*—
Robertson, John D.

Montelius, Carl O. J., Stockholm, Sweden. Spiral gearing. 2,486,193, Oct. 25.

Montgomery, Walter H., Washington, D. C. Can opener. 2,486,314, Oct. 25.

Montoya, Louis M., Cheyenne, Wyo. High chair tray attachment. 2,485,907, Oct. 25.

Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Tool joint. 2,485,763, Oct. 25.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic comparator gauge. 2,486,052, Oct. 25.

Moore, Edward B., Ridgewood, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Direction finder. 2,485,627, Oct. 25.

Moore Products Co., assignee: *See*—
Moore, Coleman B.

Morand, Louis D.: *See*—
Whitmore, James B., and Morand.

Morin, Louis H., Bronx, N. Y. Gooseneck motion for die casting machines. 2,486,053, Oct. 25.

Morrill, Wayne J., Fort Wayne, Ind. Induction motor primary construction. 2,485,628, Oct. 25.

Morris, Earl D.: *See*—
Griess, Gerald A., and Morris.

Morris, Robert C., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drying apparatus. 2,486,315, Oct. 25.

Morrow, Charles T., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Diving gear. 2,485,908, Oct. 25.

Morse, Forbes, and A. W. Christensen, Los Angeles, assignors to Western Plastics, Incorporated, Glendale, Calif. Boat-loading device. 2,486,316, Oct. 25.

Morse, Max, Jackson Heights, N. Y. Collapsible crib. 2,486,054, Oct. 25.

Mort, Charles H., and C. W. Mapes, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Antifriction screw and nut actuator. 2,486,055, Oct. 25.

Mortimer, Lynn H.: *See*—
Halahan, John, Lyon, Mortimer, and Aronson.

Moser, Frank T., Easton, Pa., assignor to Limpert Bros., Inc., Vineland, N. J. Packaged sundae. 2,485,194, Oct. 25.

Mosteller, Gerald G., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Rocket carrier. 2,485,909, Oct. 25.

Mosthaf, Edwin, Orange, assignor to Steatite Research Corporation, Keasbey, N. J. Insulated terminal. 2,485,629, Oct. 25.

Motor Wheel Corporation, assignee: *See*—
Johnson, Stanley N.
Van Halteren, Andrew S.

Mueller, Chester, assignee: *See*—
Campos, Adolph.

Mulveny, Frank, assignee: *See*—
Andrade, Frank I.

Munro, James T.: *See*—
Abrey, John, Munro, and Youd.

Munsey, John H., Englewood, N. J. Multiwire connector. 2,486,195, Oct. 25.

Munters, Carl G., Stockholm, Sweden. Cold storage room arrangement having means for controlling the moisture content in the insulation. 2,485,630, Oct. 25.

Myers, Latimer D., and R. W. Webster, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticizers. 2,485,910, Oct. 25.

Nadelson, Samuel, New York, N. Y. Container for electrical apparatus. 2,485,837, Oct. 25.

Nadherny, Russell J., assignor to Athey Products Corporation, Chicago, Ill. Material handling and loading apparatus. 2,486,317, Oct. 25.

Nagy, Daniel E., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylation of aminotriasines. 2,485,983, Oct. 25.

Nahin, Paul G., Lynwood, and H. C. Huffman, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Catalytic conversion of hydrocarbons. 2,486,361, Oct. 25.

Narracott, Eric S., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Petroleum extract-sulfur dioxide reaction product. 2,485,911, Oct. 25.

Nathan Manufacturing Company, assignee: *See*—
Smith, John E.

National Aluminate Corporation, assignee: *See*—
Bird, Paul G.

National Blank Book Company, assignee: *See*—
Schade, Frank S.

National Cylinder Gas Company, assignee: *See*—
Eichelman, Frank J.

National Safety Appliance Co., Ltd., assignee: *See*—
Folker, Herbert P.

Navikas, Victor A.: *See*—
Merley, Robert W., and Navikas.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Barth, Theodore H.
Blomquist, Alfred T., and Fiedorek.
Boykin, Robert O., Jr.
Burrell, Ellis.
Dike, Sheldon H.
Edson, James B.
Fiettt, William J.
Johnstone, Charles W., and Mautner.
Jordan, James D.
Lucas, Howard J., and Hepner.
Mains, Robert M.
Melton, Benjamin S.
Miller, Neville F.
Mosteller, Gerald G.
Rockwell, Gaynor O.
Sanders, Edwin R.
Schmitt, Otto H.
Talbott, Francis L., and Robinson, Jr.

Neal, Ethel, administratrix: *See*—
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Gooding, and Neal.

Neal, Morris P., Quincy, Ill., assignor to A B C Packaging Machine Corporation. Packaging machine. 2,485,912, Oct. 25.

Neal, Ralph H.: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Vahlteich, Hans W., Gooding, and Neal.
Vahlteich, Hans W., Neal, and Gooding.

Neal, Ralph H., Jersey City, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Soyabean oil composition and preparing same. 2,485,631, Oct. 25.

Neal, Ralph H., North Bergen, N. J., C. M. Gooding, Staten Island, N. Y., and H. W. Vahlteich, Edgewater, N. J., assignors to The Best Foods, Inc., New York, N. Y. Potato products and preparing same. 2,485,635, Oct. 25.

Neal, Ralph H., North Bergen, and H. W. Vahlteich, Edgewater, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods, Inc., New York, N. Y. Nut meats. 2,485,636, Oct. 25.

Nebolsine, Ross, New York, N. Y. Overhead sheet transporting and discharge device. 2,486,196, Oct. 25.

Nelson, Oscar G.: *See*—
Larson, Elmer J., and Nelson.

Nelson, Ray M., Rock Island, Ill., assignor to Birtman Electric Company. Screw operated vise having a toothed nut and displaceable ratchet for quick opening. 2,485,641, Oct. 25.

Newark Stove Company, assignee: *See*—
Chesser, Cecil E., and Cline.

Newbold, Hannah M., executrix: *See*—
Newbold, William H.

Newbold, William H., deceased, by H. M. Newbold, executrix, Langhorn, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Three-dimensional proximity indication system. 2,486,197, Oct. 25.

Newitt, John H., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electronic switching system. 2,485,642, Oct. 25.

Newman, Frederick A., Birmingham, Ala. Lawn mower. 2,485,984, Oct. 25.

New Products Corporation, assignee: *See*—
Banker, Oscar H.

Newsome, James W., Belleville, and J. W. Van Cleve, East St. Louis, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Purification of solutions. 2,486,318, Oct. 25.

Newstedt, Harry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Airport lighting system. 2,486,198, Oct. 25.

Newsum, H., Sons & Company, Limited, assignee: *See*—
Lacon, Gilbert W.

New Wrinkle, Inc., assignee: *See*—
Waldie, William A.

Nicol, Robert P., Waterbury, Conn. Hanger. 2,485,838, Oct. 25.

Nier, Alfred O., New York, N. Y., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Method and apparatus for determining leaks. 2,486,199, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Metal-clad panel. 2,485,643, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Packing case and making same. 2,485,644, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Closure latching assembly. 2,485,645, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Insulated container structure. 2,485,646, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Insulated container structure. 2,485,647, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Making metal-clad panels. 2,485,648, Oct. 25.

Norquist, Glenn H., Jamestown, N. Y. Apparatus for flanging metal clad fibrous base panels. 2,485,649, Oct. 25.

Norris, Donald O.: *See*—
McLeod, Don, and Norris.

North American Research Corporation, assignee. *See*—
Hammann, Carl F.

Oberly, Louis A.: *See*—
Koster, Frederick W., and Oberly.

O'Brien, Laurence A., South Orange, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Acceleration switch. 2,486,362, Oct. 25.

Ocean City Manufacturing Company, assignee: *See*—
Hirsch, Stephen G.

Oclassen, Charles A., Kenmore, assignor to Foster-Milburn Company, Buffalo, N. Y. Combined package and applicator. 2,486,056, Oct. 25.

O'Connor, Ward J. F., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Clay flow baffle. 2,486,200, Oct. 25.

O'Dea, Dorothy L., Los Angeles, Calif., assignor to Radio Corporation of America. Magnetic-photographic rerecording system. 2,485,839, Oct. 25.

Oerman, Orey W., assignor to Deere & Company, Moline, Ill. Implement adjusting connection. 2,485,651, Oct. 25.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Hickman, Clarence N.
Morrow, Charles T.

Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Alpha-aminoanthraquinone compounds. 2,485,764, Oct. 25.

Oglesby, Nicholas E., Troy, N. Y. Coated abrasives. 2,485,765, Oct. 25.

Ohio Units: *See*—
Brump, Herbert L.

Ohl, Edwin C., Port Washington, assignor to Dutchess Jewelry Manufacturing Corporation, New York, N. Y. Bracelet clasp. 2,486,057, Oct. 25.

Olson, Salwind O., assignee: *See*—
Kirschbaum, Abe F.

Opits, Eric J., Pleasant Ridge, assignor to General Motors Corporation, Detroit, Mich. Apparatus for making closely spaced spot welds. 2,486,319, Oct. 25.

Ornstein, Georg, New York, N. Y. Apparatus for supplying a treating gas. 2,485,840, Oct. 25.

Ost, Marie J., Mountainside, N. J. Mixing bowl cover. 2,486,320, Oct. 25.

Osterman, Joseph T., Northampton, assignor to American Bosch Corporation, Springfield, Mass. Electric condenser. 2,485,913, Oct. 25.

O'Sullivan, James, Port Richmond, N. Y. Ampoule. 2,486,321, Oct. 25.

Overby, Stanley, Inglewood, Calif. Spring seat construction. 2,485,650, Oct. 25.

Overmander Machine, Inc., assignee: *See*—
Raypholtz, Kenneth A.

Owens, Martin F., Detroit, Mich. Collapsible housing. 2,485,914, Oct. 25.

Pacyna, Arnold, Lyndhurst, N. J. Recovery of uranium and vanadium from ores. 2,485,841, Oct. 25.

Parcher, Arthur H., Ellsworth, Maine; W. H. Parcher, executrix of said Arthur H. Parker, deceased. Otoscope or the like. 2,485,766, Oct. 25.

Parcher, Winifred H., executrix: *See*—
Parcher, Arthur H.

Parker Appliance Company, The, assignee: *See*—
Parker, Arthur L.

Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve assembly. 2,485,915, Oct. 25.

Parker, Louis W., Little Neck, assignor to International Standard Electric Corporation, New York, N. Y. Regulated radio frequency power supply. 2,485,652, Oct. 25.

Pataki, Ernest: *See*—
Dubin, Lester, and Pataki.

Patchogue-Plymouth Mills Corporation, assignee: *See*—
Lambert, Ernest E.

Patterson, Donald G., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Resin for low-pressure paper base laminates and wood surfacing. 2,486,201, Oct. 25.

Patterson, Glenn A., Davenport, Iowa, and B. S. Kagan, Moline, Ill., assignors to American Machine and Metals, Inc., New York, N. Y. Air drying tumbler for laundry. 2,486,058, Oct. 25.

Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Steam separator. 2,485,767, Oct. 25.

Paul, Benjamin F., Elwood, and R. R. Wilkinson, Indianapolis, assignors to Metal Coatings & Manufacturing Company, Inc., Elwood, Ind. Abrasive lubricant supply device. 2,486,322, Oct. 25.

Payne, John F.: *See*—
Rusch, Robert F., and Payne.

Peel, Wirt D., Oakland, Calif. Seed extractor. 2,485,653, Oct. 25.

Pennington, William A., Buckingham, Va. Differential anesthesia valve. 2,485,842, Oct. 25.

Pentecost, Horace T., Renton, near Seattle, Wash. Control mechanism for helicopters with coaxial rotors. 2,486,059, Oct. 25.

Pepper, Carl P.: *See*—
Gorske, Stanley F., and Pepper.

Perez, Alicia, Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of cottonseed oil. 2,485,916, Oct. 25.

Perry, Bernard A., House Springs, Mo. Drum structure. 2,485,985, Oct. 25.

Perry, Edmond: *See*—
Koonce, Samuel, and Perry.

Peters, Frederick, Hollywood, Calif. Apparatus for the game of tug of war. 2,485,768, Oct. 25.

Petersen, Peter F., Los Angeles, Calif. Expansion valve. 2,486,060, Oct. 25.

Pfann, Nell M.: *See*—
Elliott, Gusta B., and Pfann.

Phelps, George N., Lancaster, Pa., assignor to Radio Corporation of America. Method and apparatus for inserting contacts in glass tubes. 2,485,769, Oct. 25.

Philco Corporation, assignee: *See*—
Deaver, Elmer O.
Hart, Edward L.
Newbold, William H.

Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E.
Mills, King L., Jr.
Perez, Alicia.
Schulse, Walter A., and Hillyer.

Phipps, George S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical fuse element. 2,486,202, Oct. 25.

Pianta, Ubaldo, assignor to firm of Societa Italiana Ernesto Breda Per Costrusioni Meccaniche, Milan, Italy. Drive for plating carriers in knitting machines. 2,485,917, Oct. 25.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Antenna. 2,485,654, Oct. 25.

Pieper, Herman C., St. Louis, Mo. Brush with retractable bristles. 2,486,203, Oct. 25.

Pilling, Norman B.: *See*—
Millis, Keith D., Gagnebin, and Pilling.

Pinkney, Arthur J., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-frequency heating arrangement. 2,485,849, Oct. 25.

Pioneer Suspender Company, assignee: *See*—
Haslick, Lloyd H.

Pirelli Societa Per Azioni, assignee: *See*—
Zona, Vittorio

Pitometer Log Corporation, assignee: *See*—
Heter, Kaate A.

Pittsburgh Corning Corporation, assignee: *See*—
Ford, Walter D.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Place, Charles I., Norfolk, Conn. Wheel and frame assembly. 2,485,770, Oct. 25.

Plastaras, James C., Laurelton, N. Y., assignor to Mergenthaler Linotype Company. Latch operated clutch for typographical casting machines. 2,485,771, Oct. 25.

Pohl, Walter M.: *See*—
Kearney, Edward J., Armitage, and Pohl.

Polk, Edwin H., U. S. Navy. Exhaust turbine driven fan and supercharger. 2,485,655, Oct. 25.

Polly Delphis Jane Rogers Contreras, assignee: *See*—
Rogers, James H.

Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the preparation of artificial materials. 2,485,772, Oct. 25.

Poor & Company, assignee: *See*—
Chester, Allan E., and Reisinger.

Posthumus, Klaas. Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for the alternating voltage supply of a load. 2,485,773, Oct. 25.

Powell, Frank A., Collingswood, N. J. Air vent hassock. 2,485,918, Oct. 25.

Power Equipment Company: *See*—
Bixby, William H.

Praissner, Edward, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape splicing machine. 2,486,204, Oct. 25.

Premo, Ellis J.: *See*—
Waterbury, Ronald J., and Premo.

Price, Ralph E.: *See*—
Baisiger, Harold H., and Price.

Privott, Howard G. assignee: *See*—
Evans, Thomas J.

Procter & Gamble Company, The, assignee: *See*—
Sanders, Judson H.

Prosh, William, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of activated carbon. 2,486,205, Oct. 25.

Publicker Industries, Inc., assignee: *See*—
Kamlet, Jonas.

Purdue Research Foundation, assignee: *See*—
Hass, Henry B., and Gillette.

Purvis, Damon D., Jacksonville, Fla., assignor of one-half to C. D. Langston. Combination drill and brush. 2,486,362, Oct. 25.

Pyramid Rubber Company, The, assignee: *See*—
Simmons, Elta.

Quinn, Eugene M., assignee: *See*—
Kavanaugh, Edward S.

Quirin, Alois: *See*—
Hutter, Frank E., and Quirin.

Radio Corporation of America, assignee: *See*—
Boerner, Thomas J., and Sanborn.
Clark, Robert W.
Grosdoff, Igor E.
Miller, William A.
O'Dea, Dorothy L.
Phelps, George N.
Sharp, Thomas C.
Wacha, Theodore.

Rago, James R.: *See*—
Cristofani, Adolph N., and Rago.

Rambo, William R., Cambridge, Mass.; assignor to the United States of America as represented by the Secretary of War. Electrical circuit. 2,485,919, Oct. 25.

Ransome, Stafford G., Rockford, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap action mechanism. 2,486,061, Oct. 25.

Raskin, Franz J. M., Montreal, Quebec, Canada. Hydroxylating fuel burner. 2,485,666, Oct. 25.

Raysbolts, Kenneth A., assignor to Overmander Machine, Inc., Marion, Ind. Variable output mixing system. 2,486,323, Oct. 25.

Raytheon Air Beam, Inc., assignee: *See*—
Gross, Frits A., and Darden, Jr.

Raytheon Manufacturing Company, assignee: *See*—
Bruck, George G., and Vols.
Gross, Thomas A. O.
Klemperer, Hans.

Read, Charles E.: *See*—
McIntyre, Brouwer D., and Read.

Regents of the University of Minnesota, assignee: *See*—
Nier, Alfred O.

Regnery, F. L., Corp., assignee: *See*—
Davies, Trevor L.

Reid Alexander C., and J. M. Blackhall, assignors to Leich Electric Company, Genoa, Ill. Automatic telephone system. 2,485,986, Oct. 25.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporator having an extended vaporising surface area. 2,485,844, Oct. 25.

Reid, John J.: *See*—
Cohen, Sidney, and Reid.

Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.

Renison, Matthew A., assignor to himself and C. Mitchell, London, England. Projection screen. 2,486,206, Oct. 25.

Republic Steel Corporation, assignee: *See*—
Duby, Clarence J.

Rex, Harold B., Falls Church, Va. Electrical instrument with electromagnetic feedback. 2,485,657, Oct. 25.

Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,485,920, Oct. 25.

Ricci, Luigi, Hyde Park, Mass. Frame for bowling alleys and removable pit cushions therefor. 2,485,775, Oct. 25.

Rice Barton Corporation, assignee: *See*—
Clem, Everett W.

Richards, Melbourne K., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Liquid level measuring apparatus. 2,486,207, Oct. 25.

Richmond, Adah B., North Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of recovered camphor. 2,485,774, Oct. 25.

Ridner, George S., Sr., Newark, N. J. Collapsible toothbrush. 2,486,062, Oct. 25.

Rienstra, Albert R., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic musical instrument. 2,486,208, Oct. 25.

Rike, Siles E., Centerton, Ind. Segmental gripper structure. 2,486,324, Oct. 25.

Risher, John D.: *See*—
Adams, Douglas D., Rollius, and Risher.

Roach, Richard G., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Oscillation generator of the velocity modulation type. 2,485,661, Oct. 25.

Roads, Mikel, Los Angeles, Calif. Sickle mower. 2,486,209, Oct. 25.

Roberts, Eugene E., Washington, D. C. Telephone switchboard attachment. 2,486,325, Oct. 25.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for collecting yarns. 2,485,776, Oct. 25.

Robertshaw-Fulton Controls Company, assignee: *See*—
Main, Robert C.
Strobel, Charles K.

Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Radio-frequency power heating apparatus and method. 2,485,658, Oct. 25.

Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Dielectric heating. 2,485,659, Oct. 25.

Robertson, John W., Englewood, assignor of one-half to Ellis-Foster Company, Montclair, N. J., and one-half to Montclair Research Corporation. Destruction of organisms. 2,485,660, Oct. 25.

Robinson, Ralph O., Jr.: *See*—
Talbott, Francis L., and Robinson, Jr.

Rockwell, Gaynor O., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Explosive operated latch mechanism. 2,485,921, Oct. 25.

Rockwell, Harvey W., Cedar Rapids, Iowa. Detachable implement for vehicles. 2,486,372, Oct. 25.

Rockwood, Albert E., assignor to Simplex Time Recorder Co., Gardner, Mass. Recorder casing with flexible card slot closure. 2,486,063, Oct. 25.

Rogers, James H., Neosho, assignor to P. D. J. R. Contreras, Newton County, Mo. Carpenter's calculating device. 2,485,777, Oct. 25.

Rohm & Haas Company, assignee: *See*—
Craig, W E, and Hester.

Rohrmann, Ewald, assignor to Eli Lilly and Company, Indianapolis, Ind. Alpha-(aminoalkyl)-stilbenes. 2,485,662, Oct. 25.

Rollius, Karl: *See*—
Adams, Douglas D., Rollius, and Risher.

Ronsone, David B., assignor to Commonwealth Roofing Corporation, Wilmington, Del. Interlocking shingle. 2,486,326, Oct. 25.

Rosenfeld, Abraham L., assignee, trustee: *See*—
Apgar, Charles W., and Rosenfeld.

Rothwell, Peter, Kenmore, N. Y. Method and means for producing dental bridgework. 2,486,327, Oct. 25.

Rotol Limited, assignee: *See*—
Fairhurst, Leonard G.

Rowe Industries, assignee: *See*—
De Armond, Harry.

Royal Typewriter Company, Inc., assignee: *See*—
Kittel, John J.

Rubin, Elisabeth, New York, N. Y. Child's novel picture hot plate. 2,485,922, Oct. 25.

Rumpakis, Louis, J. Ivanoff, and M. D. Sussman, Portland, Oreg. Shoe protector. 2,485,928, Oct. 25.

Rusch, Robert F., U. S. Army, Appleton, Wis., and J. F. Payne, U. S. Army, Pleasantville, N. Y. Automatic navigator. 2,485,663, Oct. 25.

Rust, John D., Memphis, Tenn. Cotton-picker-spindle roughening means. 2,485,845, Oct. 25.

Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Registering mechanism. 2,486,328, Oct. 25.

Ryles, James A., assignor of one-half to L. A. Follansbee, Fresno, Calif. Pulse generator. 2,485,778, Oct. 25.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,486,064, Oct. 25.

Sanborn, John W.: *See*—
Boerner, Thomas J., and Sanborn.

Sanders, Edwin R., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Tester for electronic discharge devices. 2,485,924, Oct. 25.

Sanders, Judson H., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Selective enzyme hydrolysis. 2,485,779, Oct. 25.

Sanderson, Albert E., Wayland, Mass. Surveying instrument. 2,485,846, Oct. 25.

Sargrove, John A., Shepperton-on-Thames, England. Circuit arrangement for electronic tube operating on dynamic grid current principles. 2,485,925, Oct. 25.

Saucet, Henri, Paris, France, assignor to Societe Francaise Radio Electrique. Sealed demountable joint for vacuum tubes. 2,485,926, Oct. 25.

Saucet, Henri, Paris, France, assignor to Societe Francaise Radio-Electrique. Lead-in structure for vacuum tubes. 2,486,065, Oct. 25.

Scalera, Mario, Somerville, and D. R. Eberhart, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing alpha-aminoanthraquinones. 2,486,210, Oct. 25.

Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 2,486,329, Oct. 25.

Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Binder case construction for books. 2,486,330, Oct. 25.

Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,486,066, Oct. 25.

Schechter, Julius, Brooklyn, N. Y. Pipe washing equipment. 2,485,780, Oct. 25.

Scheinberg, Morris M., Brooklyn, assignor to Deluxe Girdlecraft Co., New York County, N. Y. Maternity belt. 2,486,211, Oct. 25.

Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Combination magnetometer and gradiometer. 2,485,847, Oct. 25.

Schorn, Carl F., and R. L. Ensinger, Detroit, Mich., assignor to G. M. and E. Holley. Throttle control. 2,486,212, Oct. 25.

Schreiber, William: *See*—
Turner, William R., Schreiber, and Van Hartesveldt.

Schrieber, Edward J., and A. L. Weatherhead, Willimantic, Conn. Collapsible fish landing net. 2,485,781, Oct. 25.

Schroeder, Earl V., Wichita, Kans. Portable crib bed. 2,486,067, Oct. 25.

Schulerud, Albert L., Nutley, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Making divisible soap bars. 2,486,213, Oct. 25.

Schulse, Walter A., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic dehydrogenation of hydrocarbons. 2,485,927, Oct. 25.

Schweitzer, Herbert C., assignor to Associated Metals & Minerals Corporation, New York, N. Y. Furnace for the heat treatment of solids. 2,485,782, Oct. 25.

Scott, Robert J., assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Talge. Heat exchange apparatus. 2,485,664, Oct. 25.

Scovill Manufacturing Company, assignee: *See*—
Donahue, Patrick F.

Seaholm, John P., Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Manure spreader. 2,486,214, Oct. 25.

Seipt, Willard R.: *See*—
Miller, Lewis B., and Seipt.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Aminodioxanes as insecticides. 2,485,987, Oct. 25.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. β-nitroalkyl aralkyl ethers and preparing them. 2,485,988, Oct. 25.

Servais, Philip C., assignor to The Dow Chemical Company, Midland, Mich. Making siloxanes. 2,485,928, Oct. 25.

Servel, Inc., assignee: *See*—
Reid, John G., Jr.

Shakespeare Products Company, assignee: *See*—
Batterson, Ernest W.

Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Turntable drive system. 2,485,848, Oct. 25.

Shaw, Richard, Jr., Bergenfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure switch. 2,485,783, Oct. 25.

Sheffield, Donald H.: *See*—
Long, John H., and Sheffield.

Shell Development Company, assignee: *See*—
Good, George M., and Voge.
Hearne, George W., and Yale.
Voge, Hervey H., and Good.

Sheonberg, Abraham J., assignor to Empire Furniture Company, Clinton, Mass. Table leg fastening means. 2,485,784, Oct. 25.

Shepherd, James E., Hempstead, N. Y., assignor to The Sperry Corporation. Mixing circuit. 2,485,908, Oct. 25.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spot welding apparatus. 2,486,331, Oct. 25.

Shields, Walter J., assignor of one-fourth to R. R. Stachnik, Chicago, Ill. Valve. 2,486,215, Oct. 25.

Showers, Lewis M., Lansdowne, Pa. Railway car retarding mechanism. 2,486,332, Oct. 25.

Shure Brothers, Incorporated, assignee: *See*—
Bauer, Benjamin B.

Siegrist, Charles R., Huron, S. Dak. Holding device for poultry and the like. 2,485,929, Oct. 25.

Siftproof Carton Associates, assignee: *See*—
Dalsemer, Rhodena C.

Signal Oil and Gas Company, assignee: *See*—
Moon, James.

Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Connector. 2,485,930, Oct. 25.

Slimo Chemical Corporation, assignee: *See*—
Korner, John.

Silver, Martin, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transformer. 2,485,666, Oct. 25.

Silverrail, Lloyd H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Microbiological media. 2,486,216, Oct. 25.

Simmons, Elta, New York, N. Y., assignor to The Pyramid Rubber Company, Ravenna, Ohio. Bottle cap or closure. 2,486,364, Oct. 25.

Simmons, Lance L., assignor to American Blower Corporation, Detroit, Mich. Heat exchanger or cooling tower. 2,485,849, Oct. 25.

Simplex Time Recorder Co., assignee: *See*—
Rockwood, Albert E.

Simpson, Herbert S., assignee: *See*—
McIlvaine, Robert L.

Simpson, Robert W., Salem, Ohio. Tobacco pipe. 2,486,333, Oct. 25.

Sims, Percy D., Lovell, Wyo. Folding camp stove. 2,485,667, Oct. 25.

Sinclair Refining Company, assignee: *See*—
May, Robert L.

Sitton, Philip N., Dayton, Ohio. Form for building septic tanks. 2,485,850, Oct. 25.

Slack, Robert A., Plainfield, and L. M. Hedges, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Method and apparatus for expansion of fibrous mats. 2,486,217, Oct. 25.

Slamar, Frank, East Aurora, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Photo electric scanner for register regulation. 2,486,334, Oct. 25.

Slonczewski, Thaddeus, Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic field strength indicator. 2,485,931, Oct. 25.

Smith, Arthur R., Birmingham, G. A. Lee and C. J. Hopkins, Cuffley, England. Envelope feeding mechanism with slidably and pivotally mounted gripper arms. 2,486,069, Oct. 25.

Smith, Benjamin L., Gary, Ind. Automatic control. 2,486,070, Oct. 25.

Smith, Everet F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Converting lower-boiling aldehydes into higher-boiling aldehydes. 2,485,989, Oct. 25.

Smith, John E., Chicago, Ill., assignor to Nathan Manufacturing Company, New York, N. Y. Shoe for wheel flange lubrication. 2,486,071, Oct. 25.

Smith, Neil C., Minneapolis, and W. E. Johnson, Robbinsdale, Minn., said Johnson assignor to said Smith. Twist drill grinding fixture. 2,486,335, Oct. 25.

Smith, Ralph H.: *See*—
McCray, George, and Smith.

Smith, Roger M., Goodyear, Ariz., assignor to Caterpillar Tractor Co., Peoria, Ill. Cable control mechanism. 2,486,072, Oct. 25.

Smith, Verner F., Lawrence, Kans. Flush tank. 2,486,336, Oct. 25.

Smith, William R., Carlsbad, N. Mex. Reversible disk plow. 2,485,932, Oct. 25.

Smyth, Charles N., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic cathode. 2,485,668, Oct. 25.

Snow, Kilbourn H., Concord, assignor to The Sparks-Withington Company, Jackson, Mich. Deep well cooker for electric stoves having elevatable heating element. 2,485,990, Oct. 25.

Snyder, Howard K.: *See*—
Jennings, Robert E., and Snyder.

Snyder, Kirby T., Los Angeles, Calif. Foldable prop. 2,486,218, Oct. 25.

Società Italiana Ernesto Breda Per Costruzioni Meccaniche, assignee: *See*—
Planta, Ubaldo.

Societe Francaise Radio Electrique, assignee: *See*—
Sapsut, Henri.

Socin, Francis C., St. Charles Township, Kane County, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano construction. 2,486,337, Oct. 25.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Abrams, Armand J.
Gorin, Manuel H., and Abrams.
Utterback, Ernest.

Sokol, Leo C., Duncan, Nebr. Material loader and control. 2,485,933, Oct. 25.

Solomon, Louis, Chicago, Ill. Toy steering wheel and gear shift. 2,486,219, Oct. 25.

Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,486,220, Oct. 25.

Sommer, Carl, Copenhagen, Denmark, assignor to H. C. P. Dana, New York, N. Y. Lipstick container. 2,486,073, Oct. 25.

Sommers, Melvin, assignee: *See*—
Feldman, Dave.

Sondern, Clarence W., Mendham, assignor to White Laboratories, Incorporated, Newark, N. J. Poultry feeding composition. 2,485,669, Oct. 25.

Sowa, Frank J., Cranford, N. J., and F. F. Tone, Baldwin, N. Y., assignors to International Cigar Machinery Company. Producing tobacco web material. 2,485,670, Oct. 25.

Spafford, Ralph W., assignor to The Louden Machinery Company, Fairfield, Iowa. Crane construction and apparatus. 2,486,221, Oct. 25.

Spafford, Ralph W., assignor to The Louden Machinery Company, Fairfield, Iowa. Conveyer apparatus and control systems therefor. 2,486,222, Oct. 25.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Retractable brush for suction cleaners. 2,485,671, Oct. 25.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Heating element. 2,485,672, Oct. 25.

Sparks-Withington Company, The, assignee: *See*—
Snow, Kilbourn H.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.

Sperry Corporation, The, assignee: *See*—
Annmuller, Edward F.
Ginston, Edward L.
Keim, David Y.
Shepherd, James E.

Sperry, Gerald D.: *See*—
Steiner, Arnold B., and Sperry.

Sperry, Ralph W. E., and J. C. Horth, assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano construction. 2,486,338, Oct. 25.

Spinale, Frank A., Medford, Mass. Box folding machine. 2,486,074, Oct. 25.

Sport Products, Inc., assignee: *See*—
Hilton, Albert.

Springfield Metallic Casket Co., Inc., The, assignee: *See*—
Kendall, Floyd J.

Stachnik, Roman R., assignee: *See*—
Shields, Walter J.

Standard Oil Company, assignee: *See*—
Marschner, Robert F.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Stone, Stanley J.

Stanley Works, The, assignee: *See*—
Godfrey, James H.
Stowell, Austin L.

Stanolind Oil and Gas Company, assignee: *See*—
McCray, George, and Smith.
Walker, Scott W.

State, James C., Kalamazoo, Mich. Dishwashing apparatus. 2,485,672, Oct. 25.

Steatite Research Corporation, assignee: *See*—
Mosthaf, Edwin.

Steiner, Arnold B., La Jolla, assignor to Kelco Company, San Diego, Calif. Alginate ice-cream stabilizing composition. 2,485,934, Oct. 25.

Steiner, Arnold B., La Jolla, and G. D. Sperry, assignors to Kelco Company, San Diego, Calif. Stabilized ice-cream mixes. 2,485,935, Oct. 25.

Stempel, Arthur: *See*—
Aeschlimann, John A., and Stempel.

Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Electric melting furnace. 2,485,851, Oct. 25.

Stevens, Frank J., assignee: *See*—
Hawkins, George W.

Stevens, J. P., & Co., Inc., assignee: *See*—
Derby, Roland H.

Stewart-Warner Corporation, assignee: *See*—
Campbell, Thomas A., and Stock.

Stock, Ernest G.: *See*—
Campbell, Thomas A., and Stock.

Stoddart, Richard R., assignee: *See*—
Holmes, Paul J.

Stone, Stanley J., Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car door fixture. 2,486,320, Oct. 25.

Storm, Herbert F., West Allis, Wis., assignor to Sunbeam Corporation. High-frequency induction heating system. 2,485,785, Oct. 25.

Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Ratchet end for brace bits. 2,485,991, Oct. 25.

Streiffert, Peter W., Landskrona, Sweden. Manufacturing explosives. 2,485,889, Oct. 25.

Stresen-Reuter, John H., Birmingham, Mich., assignor to G. M. and E. Holley. Carburetor. 2,486,223, Oct. 25.

Stringer, John E.: *See*—
Wilson, Benjamin J., and Stringer.

Strobel, Charles K., Pittsburgh, Pa., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,486,240, Oct. 25.

Stroberg, Emory S., Atlanta, Ga. Ring weight holder for balancing automobile wheels. 2,485,926, Oct. 25.

Strom, David W., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Clamping machine parts to beds. 2,486,075, Oct. 25.

Strout, Basil A., Sangus, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rotary abrading tool. 2,485,786, Oct. 25.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for changing the frequency of electrical oscillations. 2,486,076, Oct. 25.

Stumbock, Max J., South Orange, assignor to Baker & Company, Inc., Newark, N. J. Electrical contact element containing tin oxide. 2,486,341, Oct. 25.

Stutz, Frederick L., assignor to Kirsch Company, Sturgis, Mich. Traverse curtain rod structure. 2,486,224, Oct. 25.

Sudlow, Fred E., assignee: *See*—
Holsclaw, Nell.

Suiter, Earle E., United States Navy. Navigational plotting instrument. 2,485,674, Oct. 25.

Sunbeam Corporation, assignee: *See*—
Storm, Herbert F.

Superflow Manufacturing Corporation, assignee: *See*—
Kromer, Wallace B.

Sussman, Maurice D.: *See*—
Rumpakis, Louis, Ivanoff, and Sussman.

Sutch, John, Seattle, Wash. Combination haircutting machine. 2,485,787, Oct. 25.

Swanson, Alfred J., Hollywood, Calif. Detent for cartridge type door hinges. 2,485,937, Oct. 25.

Sylvania Electric products Inc., assignee: *See*—
Butler, Keith H.
Haven, Roger W.
Hilliard, Robert C.

Talbott, Francis L., Washington, D. C., and R. O. Robinson, Jr., Houston, Tex., assignors to the United States of America as represented by the Secretary of the Navy. Voltage generator, hyperbolic wave form. 2,485,938, Oct. 25.

Talge, Foster L.: *See*—
Scott, Robert J.

Talge, Henry J.: *See*—
Scott, Robert J.

Tarpley, Raymond E.: *See*—
Williams, Albert J., Jr., and Tarpley, and Johnson.

Tatge, Robert W., assignor to Ditto, Incorporated, Chicago, Ill. Hectograph blanket and preparing the same. 2,486,344, Oct. 25.

Taylor, Benjamin F., Livingston County, Mich. Adjustable stilt. 2,486,077, Oct. 25.

Taylor, George E., and J. F. Adams, assignors to Monsanto Chemical Company, St. Louis, Mo. Distillation process for the recovery of phenols. 2,486,342, Oct. 25.

Taylor, Irving B., and L. Larsen, Brooklyn, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Compensating system. 2,485,675, Oct. 25.

Taylor, Owen L.: *See*—
Armstrong, George C., and Taylor.

Taylor, Owen L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit control apparatus. 2,486,343, Oct. 25.

Taylor, Reuben H.: *See*—
Cousins, Sydne and Taylor.

Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.

Tebo, Gordon B., Toronto, Ontario, Canada. Strap-on beater. 2,485,852, Oct. 25.

Tedford, Addington C., Huntington, W. Va. Rectal dilator. 2,485,939, Oct. 25.

Tedstrom, A. W., administrator: *See*—
King, Frank A.

Terrell, Joe A., Fort Worth, Tex. Tethered projectile toy. 2,485,788, Oct. 25.

Terry, Joel L., Anderson, S. C., assignor to Buchanan Electrical Products Corporation. Armature wedge driver and remover. 2,485,992, Oct. 25.

Texas Company, The, assignee: *See*—
Atwell, Harold V.

Thomas & Betts Co., The, assignee: *See*—
Thomas, George C., Jr.

Thomas, George C., Jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,485,676, Oct. 25.

Thomas, Paul W., Jamaica, N. Y. Press for the packaging of bundles of currency. 2,485,789, Oct. 25.

Thomson, Thomas B., Jr.: *See*—
Giffen, Harvey D., and Thomson.

Tocci-Guilbert, Berna, assignor to Fiorentrik Co., San Francisco, Calif. Grinding machine. 2,486,078, Oct. 25.

Tone, Frederick F.: *See*—
Sowa, Frank J., and Tone.

Toots, Rodolfo P.: *See*—
Durgan, Alejandro H., Toots, and Dubois.

Townsley, Malcolm G., Park Ridge, assignor to Bell & Howell Company, Chicago, Ill. Optical system for projecting a plurality of images of one reticle or image source by means of a plurality of reflectors. 2,486,225, Oct. 25.

Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Copolymers of alkenyl diesters of alkenylphosphonic acids with vinyl acetate. 2,485,677, Oct. 25.

Trask, Allen, Chicago, Ill. Air conditioning apparatus. 2,486,226, Oct. 25.

Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Packing cartridge. 2,485,940, Oct. 25.

Tribble, William H., East Moriches, assignor to Faximile, Inc., New York, N. Y. Facsimile recorder. 2,485,678, Oct. 25.

Triulzi Joseph P., Los Angeles, Calif. Barbecue spit. 2,486,345, Oct. 25.

Trott, Winfield J., assignor to General Motors Corporation, Detroit, Mich. Percussive welding. 2,485,790, Oct. 25.

Tucker, Ell J., Jr., Houston, Tex. Bone bank and preserving bones for transplantation. 2,485,791, Oct. 25.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic booster. 2,486,079, Oct. 25.

Turner, Lowry L., Denmark, S. C. Animal trap. 2,485,941, Oct. 25.

Turner, Ralph R. P., Walkersville, Md. Valve position indicator. 2,485,942, Oct. 25.

Turner, William R., Drexel Hill, W. Schreiber, Philadelphia, and C. H. Van Hartesveldt, Rosemont, assignors to The Atlantic Refining Company, Philadelphia, Pa. Method and apparatus for testing oils. 2,486,080, Oct. 25.

Turrall, George, London, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Delivery mechanism for printing and like machines. 2,485,943, Oct. 25.

Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,485,944, Oct. 25.

Twentieth Century-Fox Film Corporation, assignee: *See*—
Laube, Grover, and Wootten.

Tydeman, Clarence W., San Mateo, assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif. High-speed grinding spindle. 2,486,227, Oct. 25.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Antidetonating device. 2,486,228, Oct. 25.

Udylite Corporation, The, assignee: *See*—
Davis, John V.

Union Oil Company of California, assignee: *See*—
Nahin, Paul G., and Huffman.

United Shoe Machinery Corporation, assignee: *See*—
Cutler, Wallace M.
Eastman, Fred C.
Strout, Basil A.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Richards, Melbourne K.

U. S. Industrial Chemicals, Inc., assignee: *See*—
Wachs, Herman.

United States Sheetwood Company, assignee: *See*—
Goss, Worth C.

Universal Oil Products Company, assignee: *See*—
Chenicek, Joseph A.
Johnstone, Warren W.

Universal Products Company, Inc., assignee: *See*—
Dunn, George E.

Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.

Utterback, Ernest, Jackson Heights, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting gaseous reactions in the presence of solid particles. 2,486,229, Oct. 25.

Vaccaro, Joseph: *See*—
Lane, Ralph I., and Vaccaro.

Vahlteich, Hans W.: *See*—
Gooding, Chester M., Neal, and Vahlteich.
Gooding, Chester M., Vahlteich, and Neal.
Neal, Ralph H., Gooding, and Vahlteich.
Neal, Ralph H., Vahlteich, and Gooding.

Vahlteich, Hans W., Edgewater, and R. H. Neal, Jersey City, N. J., and C. M. Gooding, Staten Island, N. Y., assignors to The Best Foods, Inc., New York, N. Y. Glyceridic oil composition and preparing same. 2,485,632, Oct. 25.

Vahlteich, Hans W., Edgewater, and R. H. Neal, North Bergen, N. J., and C. M. Gooding, Staten Island, assignors to The Best Foods. Inc., New York, N. Y. Margarine and butter compositions. 2,485,634, Oct. 25.

Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Glyceridic oil compositions and preparing same. 2,485,639, Oct. 25.

Vahlteich, Hans W., Englewood, N. J., C. M. Gooding, Staten Island, N. Y., and R. H. Neal, deceased, North Bergen, N. J., by E. Neal, administratrix, North Bergen, N. J., assignors to The Best Foods, Inc., New York, N. Y. Stabilized glyceridic oil compositions and preparing them. 2,485,640, Oct. 25.

Valley Mould and Iron Corporation, assignee: *See*—
Henry, Curtis R.

V. Amelsvoort, Bernardus M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Welding electrode holder. 2,486,092, Oct. 25.

Van Campen, John H.: *See*—
Minak, Louis M., Keayon, and Van Campen.

Van Cleve, John W.: *See*—
Newsome, James W., and Van Cleve.

Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.

Van Halteren, Andrew S., assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum. 2,485,993, Oct. 25.

Van Hartesveldt, Carroll H.: *See*—
Turner, William R., Schreiber, and van Hartesveldt.

Van Lammeren, Johannes A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver apparatus. 2,486,230, Oct. 25.

Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Gear and rack type control. 2,485,792, Oct. 25.

Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Multicylinder refrigerating machine. 2,486,081, Oct. 25.

Van Zandt, Gertrude, Austin, Tex., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. 2-methyl-4-phenylbenzothiazole and quaternary salts thereof. 2,485,679, Oct. 25.

Vassar, Ira D., Perkins, Okla. Boat trailer. 2,485,793, Oct. 25.

Venable, Charles R.: *See*—
Glynn, Theodore W., and Venable.

Vermeulen, Roelof: *See*—
Holst, Gilles, and Vermeulen.

Vickers Incorporated, assignee: *See*—
Tweedale, Ralph L.

Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.

Voge, Hervey H.: *See*—
Good, George M., and Voge.

Voge, Hervey H., Berkeley, and G. M. Good, Albany, assignors to Shell Development Company, San Francisco, Calif. Cyclohexene production. 2,485,965, Oct. 25.

Volz, Philip E.: *See*—
Bruck, George G., and Volz.

Voss, John H., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Private automatic telephone exchanges employing nonnumerical switches for interconnecting local lines, and for interconnecting local lines and trunk lines. 2,486,231, Oct. 25.

Wachs, Herman, Brooklyn, assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Dihydrosafrol derivatives. 2,485,680, Oct. 25.

Wachs, Herman, Brooklyn, assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Methylenedioxyphenyl derivatives and the production thereof. 2,485,681, Oct. 25.

Wachs, Theodore, Cynwyd, Pa., assignor to Radio Corporation of America. Apparatus for plasticating thermoplastic materials. 2,486,346, Oct. 25.

Wagner, Joseph A., assignor to Wagneradio Company, Verona, Pa. Synchronizing mechanism. 2,486,082, Oct. 25.

Wagneradio Company, assignee: *See*—
Wagner, Joseph A.

Waldie, William A., assignor to New Wrinkle, Inc., Dayton, Ohio. Wrinkle finish. 2,486,232, Oct. 25.

Walker, James N., Arcadia, Calif. Soap conserving press. 2,486,347, Oct. 25.

Walker, Scott W., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Hydrocarbon synthesis process and catalyst therefor. 2,485,945, Oct. 25.

Walker, William, and Sons Limited, assignee: *See*—
Hausmann, Frederick.

Wallingford, Kenneth C., Tulsa, Okla. Foldable dip net. 2,486,233, Oct. 25.

Walters, Philip, Chicago, Ill. Burglar alarm. 2,486,234, Oct. 25.

War, United States of America as represented by the Secretary of, assignee: *See*—
O'Brien, Laurence A.
Rambo, William R.
Riblet, Henry J.
Silliman, Robert M.
Wilson, Benjamin J., and Stringer.

Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.

Warner, John B., Windsor, Ontario, Canada. Bicycle sidecar. 2,486,904, Oct. 25.
Waterbury, Ronald J., Birmingham, and E. J. Premo, assignors to General Motors Corporation, Detroit, Mich. Truck cab mount. 2,485,794, Oct. 25.
Watkins, William H., Axton, Va. Transposing keyboard. 2,486,795, Oct. 25.
Watson, William E., West Orange, N. J., and J. W. Glenn, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation. Manufacture of nitric acid. 2,486,083, Oct. 25.
Watt, Victor T., Windsor, Ontario, Canada. Fishing plug. 2,485,946, Oct. 25.
Watt, William T., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Hard smooth crase-resistant surface coating. 2,486,235, Oct. 25.
Weatherhead, Alison L.: *See*—
Schriber, Edward J., and Weatherhead.
Weaver, Harry E.: *See*—
Birchler, Charles F., and Weaver.
Weber, Karl H., Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa. Polymerising a conjugated diene in the presence of a regulator comprising selected amides of mercaptyl undecanoic acids. 2,485,682, Oct. 25.
Webster, Francis D., Wataska, Ill. Valve stem puller. 2,486,064, Oct. 25.
Webster, Richard W.: *See*—
Myers, Latimer D., and Webster.
Wehr, Guy, Steubenville, Ohio, assignor to William M. Bailey Company, Pittsburgh, Pa. Blast furnace wall structure. 2,486,348, Oct. 25.
Welch, Albert E., Mansfield City, Conn., assignor to The American Thread Company, New York, N. Y. Twisting machinery. 2,486,349, Oct. 25.
Werdna Company, The, assignee: *See*—
Jemcks, Charles D.
Werts, Frank G., Johnstown, Pa., assignor to Carnegie-Illinois Steel Corporation. Flare block for railway crossings and the like. 2,485,947, Oct. 25.
West, Edward E., Richmond, Va. Bag stringing machine. 2,486,350, Oct. 25.
Western Electric Company, Incorporated, assignee: *See*—
Chandler, Marshall B.
Larsen, Elmer J., and Nelson.
Western Plastics, Incorporated, assignee: *See*—
Morse, Forbes, and Christensen.
Western Union Telegraph Company, The, assignee: *See*—
Angel, Herbert.
Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
Cook, Earle S.
Westinghouse Electric Corporation, assignee: *See*—
Armstrong, George C.
Armstrong, George C., and Taylor.
Hagg, Arthur C., and Cametti.
King, George E.
Lindstrom, Ture, and Grissinger.
Mahnke, Kurt.
Morris, Robert C.
Slamar, Frank.
Taylor, Owen L.
Whitmore, James B., and Morand.
Zavales, Charles T.
Weston, Jeffrey D.: *See*—
Earp, Charles W., and Weston.
White, Jesse O., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerisation of vinyl esters. 2,485,796, Oct. 25.
White Laboratories, Incorporated, assignee: *See*—
Sondern, Clarence W.
Whitmore, James B., Bloomfield, and L. D. Morand, Clifton, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and machine for feeding ring contacts in base making. 2,486,085, Oct. 25.
Whyte, Daniel D., assignee: *See*—
Whyte, Stanley, and Daniel D.
Whyte, Stanley, and D. D., New York, N. Y., said S. Whyte assignor to said D. D. Whyte. Polymerisation. 2,485,798, Oct. 25.
Wilkinson, Russell R.: *See*—
Paul, Benjamin F., and Wilkinson.
Will, Conrad W., Fortuna, Calif. Wheel truck having a forward swingable and adjustable wheeled support. 2,485,797, Oct. 25.
Willet, George D., Lindoln Park, Mich. Dirigible trailer. 2,485,853, Oct. 25.
Williams, Albert J., Jr., and R. E. Tarpley, Philadelphia, and N. C. Johnson, Merwood Park, assignors to Leeds and Northrup Company, Philadelphia, Pa. Low-frequency converter-amplifier system. 2,485,948, Oct. 25.
Williams, Rexford W.: *See*—
Dietrich, Robert L., and Williams.
Willing, Joseph E., and G. J. Johanek, assignors to General Railway Signal Company, Rochester, N. Y. Relay. 2,486,086, Oct. 25.
Wilmot-Breeden Limited, assignee: *See*—
Lacon, Gilbert W.
Wilson, Benjamin J., Oreland, and J. E. Stringer, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of War. Delay action fuse. 2,485,949, Oct. 25.
Wilson, John M., and B. Cyr, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric thermostat. 2,485,950, Oct. 25.
Wilson, Lee, assignee: *See*—
Armstrong, Harry H.
Wissmiller, Ivan L., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Leveling system for lifter roof tanks. 2,485 683, Oct. 25.
Wiswall, Richard H., Jr., Oak Ridge, Tenn., assignor to American Cyanamid Company, New York, N. Y. Solvent stable metal phthalocyanine pigments and making the same. 2,486,351. Oct. 25.
Witzel, Ernst, assignor, by mesne assignments, to Milsteel Products Co., Milwaukee, Wis. Electric iron. 2,486,352, Oct. 25.
Wolf, Paul A.: *See*—
Silvernail Lloyd H., and Wolf.
Woodruff, Howard C., Mamaroneck, assignor to Heyden Chemical Corporation, New York, N. Y. Coating compositions comprising reaction products of pentaerythritol and bodied triglyceride drying oils. 2,486,353, Oct. 25.
Wootten, William A.: *See*—
Laube, Grover, and Wootten.
Woytych, Raymond M., assignor to Gidding & Lewis Machine Tool Co., Fond du Lac, Wis. Toolhead. 2,485,799, Oct. 25.
Wright, Fred J., Columbus, Ohio, assignor to The Gallon Iron Works & Manufacturing Company. Hydraulic valve. 2,486,087, Oct. 25.
Wright, George W. assignee: *See*—
McClure, Ralston H.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Socin, Francis C.
Sperry, Ralph W. E., and Horth.
Zaiser, William.
Wyandotte Chemicals Corporation, assignee: *See*—
Burchfield, Paul E.
Yale, Harry L.: *See*—
Hearne, George W., and Yale.
Yaros, Anthony P., Dearborn, Mich. Oil seal. 2,486,088, Oct. 25.
Yates, Irving E., Bronx, N. Y. Sport garment. 2,486,236, Oct. 25.
Yenni, Donald M.: *See*—
McCandless, Edward L., and Yenni.
Youd, James T.: *See*—
Abrey, John, Munro, and Youd.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Thermostatic switch. 2,486,365, Oct. 25
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Cigar lighter. 2,486 366, Oct. 25.
Young, Leo L.: *See*—
Eberlein, Otto H., and Young.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Casing for upright pianos. 2,486,354, Oct. 25.
Zavales, Charles T., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Time delay control. 2,486,089, Oct. 25.
Zimmerman, Eugene R., Beloit, Wis. Fishing reel. 2,485,800, Oct. 25.
Zimmerman, Spencer Q., Detroit, Mich. Internal-combustion engine. 2,485,951, Oct. 25.
Zivny, Joseph C.: *See*—
Briskin, Theodore S., and Zivny.
Zona, Vittorio, assignor to Pirelli Societa Per Azioni, Milan, Italy. Mixer for plastic materials. 2,485,854, Oct. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Instrument, Musical. D. Zaccagnino. Re. 23,162, Oct. 25.
Measuring and control apparatus. G. A. F. Machlet. Re. 23,160, Oct. 25.
Measuring and control apparatus, Electronic. G. A. F. Machlet. Re. 23,159, Oct. 25.
Pot type oil burner. H. C. Little. Re. 23,158, Oct. 25.
Resilient wheel. J. M. MacLeau. Re. 23,161, Oct. 25.
Tube coupling. F. A. Kane, Jr. Re. 23,157, Oct. 25.

LIST OF PLANT INVENTIONS

Holly plant, Japanese. W. E. Stokes. 887, Oct. 25.
Rose plant. H. C. Swim. 885, Oct. 25.
Rose plant. H. C. Swim. 886, Oct. 25.

LIST OF DESIGN INVENTIONS

Apron, Barbecue. S. B. Mattison. 155,723, Oct. 25.
Apron, Child's. J. I. Kingson. 155,713, Oct. 25.
Armchair. F. T. Paden. 155,727, Oct. 25.
Atomizer, Perfume. A. J. Bruneau. 155,683, Oct. 25.
Base, Lamp. J. Rosner. 155,734, Oct. 25.
Bib, Child's. J. I. Kingson. 155,712, Oct. 25.
Bib, Nursery. J. E. Vivaudou. 155,752, Oct. 25.
Bicycle. C. B. Stevens. 155,745–7, Oct. 25.
Blouse or similar article. V. Tomshinsky. 155,751, Oct. 25.
Bottle or similar container. J. W. Simoneau. 155,743, Oct. 25.
Bowl and cover, Combined. M. G. Yutzey. 155,757, Oct. 25.
Brace. J. Innes, L. Cohen, and L. Spitz. 155,708, Oct. 25.
Brooch or similar article. M. Duvalet. 155,690–1, Oct. 25.
Cabinet and stand for cameras, Combined. G. R. Penn. 155,730, Oct. 25.
Cabinet for lubricating equipment. A. P. Fox and A. D. Reisert. 155,692, Oct. 25.
Cart, Doll. E. Szantay. 155,749, Oct. 25.
Case for bottled beverages, Refrigerating. E. C. Johnson and J. E. Hagstrom. 155,709, Oct. 25.
Chair. F. T. Paden. 155,728, Oct. 25.
Clip or similar article. M. Boucher. 155,681–2, Oct. 25.
Coat. J. Frumkes. 155,700, Oct. 25.
Container, Coin. J. Taylor. 155,750, Oct. 25.
Container, Toilet powder. E. Kujawski, Jr. 155,717, Oct. 25.
Controller or similar device, Reading rate. G. K. Lewis. 155,718, Oct. 25.
Cooler, Liquid. W. L. Currie. 155,686, Oct. 25.
Covering, Tile floor and wall. J. E. Ryan. 155,737, Oct. 25.
Cup, Shaving. S. Klosinski. 155,715, Oct. 25.
Dialing device for a phonograph record, Picture. M. Shaw and R. Y. Allen. 155,740, Oct. 25.
Dish, Butter. M. G. Yutzey. 155,758, Oct. 25.
Display rack for molding and trimming strips. F. Hobbs. 155,705, Oct. 25.
Doll. C. C. Young. 155,755–6, Oct. 25.
Dress. P. Adler. 155,670–5, Oct. 25.
Dress. P. Adler. 155,677, Oct. 25.
Dress. P. Adler. 155,679, Oct. 25.
Dress. D. E. Gottlieb. 155,703, Oct. 25.
Dress. M. Macpherson. 155,720, Oct. 25.
Dress ensemble. P. Adler. 155,676, Oct. 25.
Extractor, Tube. O. C. Currie. 155,685, Oct. 25.
Fishhook. J. K. Russell. 155,736, Oct. 25.
Fishing rod and reel. G. R. and G. Hauser. 155,704, Oct. 25.
Fixture, Fluorescent lighting. D. F. Russell. 155,735, Oct. 25.
Fixture, Lighting. F. C. Baker. 155,680, Oct. 25.
Frame for costume jewelry, Pendant ornamental. A. J. Mascia. 155,722, Oct. 25.
Frame, Spectacle. A. M. Rosenson. 155,732–3, Oct. 25.
Goblet. M. G. Yutzey. 155,760, Oct. 25.
Handkerchief, Child's. L. P. Kampner. 155,711, Oct. 25.
Hobbyhorse, Airplane. E. Szantay. 155,748, Oct. 25.
Holder, Combined cigarette and lighter. E. Sohn and E. San Giovanni. 155,744, Oct. 25.
Housing for a dictating machine. W. J. O'Neil. 155,726, Oct. 25.
Lamp. L. Kmiec. 155,716, Oct. 25.
Lamp. R. S. Nicyper. 155,725, Oct. 25.
Lamp or similar article. L. Lewkowics and E. F. Bennett. 155,719, Oct. 25.
Link for an expansible bracelet or similar article. M. Horovitz. 155,707, Oct. 25.
Pitcher, Cereal. M. G. Yutzey. 155,759, Oct. 25.
Plate. M. G. Yutzey. 155,763, Oct. 25.
Plate, Cake. M. G. Yutzey. 155,762, Oct. 25.
Pump. J. D. and G. B. Shafer. 155,739, Oct. 25.
Purse, Child's. E. B. Shevis. 155,742, Oct. 25.
Server, Food. R. S. Warner. 155,753, Oct. 25.
Side plate for gasoline engines, Generator housing. F. A. Sherman. 155,741, Oct. 25.
Stand and electric fan, Combined. J. W. Kisling. 155,714, Oct. 25.
Stand, Smoking. J. S. McInnis. 155,724, Oct. 25.
Stove. H. Honer. 155,706, Oct. 25.
Suit. P. Adler. 155,678, Oct. 25.
Suit. J. Frumkes. 155,693–9, Oct. 25.
Surface level and advertising device, Combined. C. E. Crawford. 155,684, Oct. 25.
Teether and rattle or similar article, Combined. M. Davis. 155,689, Oct. 25.
Template for drawing plumbing fixtures. J. J. Curtis. 155,687, Oct. 25.
Top, Serving bar. A. J. Ragunt. 155,731, Oct. 25.
Toy animal figure. P. Ganine. 155,701–2, Oct. 25.
Toy, Rolling. J. Davis. 155,688, Oct. 25.
Tube, Capped collapsible. A. H. Jung. 155,710, Oct. 25.
Tumbler. G. Sakler. 155,738, Oct. 25.
Tumbler. M. G. Yutzey. 155,761, Oct. 25.
Vending machine, Beverage. R. E. Parks. 155,729, Oct. 25.
Vibrator unit, Foot and leg. J. Werner and A. H. Zeigler. 155,754, Oct. 25.
Waxing, spreading, and polishing device, Combination. J. Macree and W. P. Gerhardt. 155,721, Oct. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF OCTOBER, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasives, Coated. N. E. Oglesby. 2,485,765, Oct. 25.
Acceleration switch. L. A. O'Brien. 2,486,362, Oct. 25.
Activated carbon, Manufacture of. W. Prosk. 2,486,205, Oct. 25.
Actuating mechanism for retractable landing gear, doors, flaps, and the like of airplanes. B. N. Ashton. 2,486,242, Oct. 25.
Actuator, Antifriction screw and nut. C. H. Mort and C. W. Mapes. 2,486,055, Oct. 25.
Actuator, Brake. W. H. Miller. 2,485,759, Oct. 25.
Acylamino-N-substituted amides. P. G. Bird. 2,486,249, Oct. 25.
Adapter and bobbin, Spindle. T. L. Davies. 2,485,959, Oct. 25.
Adjusting connection, Implement. O. W. Oerman. 2,485,651, Oct. 25.
Air conditioner having condensate removal means. E. L. Hart. 2,485,733, Oct. 25.
Air conditioning apparatus. A. Trask. 2,486,226, Oct. 25.
Air position indicator. W. H. T. Holden. 2,485,883, Oct. 25.
Alarm bell. D. Feldman. 2,486,139, Oct. 25.
Alarm, Burglar. P. Walters. 2,486,234, Oct. 25.
Alginate ice-cream stabilising composition. A. B. Steiner. 2,485,934, Oct. 25.
Alkylation of aminotriazines. D. E. Nagy. 2,485,983, Oct. 25.
Alloy: *See*—
  Cast ferrous alloy.
Alpha-(aminoalkyl)-stilbenes. E. Rohrmann. 2,485,662, Oct. 25.
Alpha-aminoanthraquinone compounds. J. Ogilvie. 2,485,764, Oct. 25.
Aminodioxanes as insecticides. M. Senkus. 2,485,987, Oct. 25.
Amplifier system, Ultra high frequency. W. T. Brown. 2,485,559, Oct. 25.
Ampoule. J. O'Sullivan. 2,486,321, Oct. 25.
Anchoring and securing device, Rail. T. F. Jones. 2,486,290, Oct. 25.
Animal trap. L. L. Turner. 2,485,941, Oct. 25.
Antenna. S. B. Pickles. 2,485,654, Oct. 25.
Antenna. H. J. Riblet. 2,485,920, Oct. 25.
Anticlogging device for roof drains. J. B. Blau. 2,485,547, Oct. 25.
Antidetonating device. S. M. Udale. 2,486,228, Oct. 25.
Apparatus for and method of electrooptically scanning and reproducing recorded oscillations. G. Holst and R. Vermeulen. 2,485,829, Oct. 25.
Apparatus for and method of feeding molten glass in plural charges. W. K. Berthold. 2,485,808, Oct. 25.
Apparatus for determining the correct tracing of railway tracks. L. Bienfait. 2,485,810, Oct. 25.
Apparatus for feeding clay to pottery molds. W. J. Miller. 2,486,051, Oct. 25.
Apparatus for flanging metal clad fibrous base panels. G. H. Norquist. 2,485,649, Oct. 25.
Apparatus for making closely spaced spot welds. E. J. Opits. 2,486,319, Oct. 25.
Apparatus for plasticating thermoplastic materials. T. Wachs. 2,486,346, Oct. 25.
Apparatus for supplying a treating gas. G. Ornstein. 2,485,840, Oct. 25.
Apparatus for testing friction. F. Hausmann. 2,486,280, Oct. 25.
Apparatus for the game of tug of war. F. Peters. 2,485,768, Oct. 25.
Apparatus for the preparation of artificial materials. W. Pool. 2,485,772, Oct. 25.
Apparatus for treating strands. A. Cresswell. 2,485,957, Oct. 25.
Apparatus for unwinding and winding web material. E. W. Clem. 2,486,006, Oct. 25.
Apparatus for visual detection of illuminated suspended matter in fluids. H. C. Grant, Jr. 2,485,588, Oct. 25.
Armature wedge driver and remover. J. L. Terry. 2,485,992, Oct. 25.
Arrangement for repeating oscillograph indications at a distance. R. F. Cleaver. 2,485,568, Oct. 25.
Arsenic trichloride, Preparation of. J. A. Chenicek. 2,485,697, Oct. 25.
Article carrier. S. Cohen and J. J. Reid. 2,485,864, Oct. 25.
Assembly, Closure latching. G. H. Norquist. 2,485,645, Oct. 25.
Assembly, Corner right, shear, and bending machine. C. F. Fuller. 2,486,147, Oct. 25.
Assembly, Fishing leader. H. Buccilli. 2,485,812, Oct. 25.
Assembly for brake applying mechanism, Parking valve. L. A. Majneri. 2,486,046, Oct. 25.

Assembly for sheet metal roofing or siding, Interlocking. M. L. Jurasevich. 2,486,168, Oct. 25.
Assembly, Pipe coupling. D. T. Colton and R. L. Barbehenn. 2,486,120, Oct. 25.
Assembly, Valve. A. L. Parker. 2,485,915, Oct. 25.
Assembly, Wheel and frame. C. I. Place. 2,485,770, Oct. 25.
Automatic control. B. L. Smith. 2,486,070, Oct. 25.
Automatic template controlled machine tool. O. H. Eberlein and L. L. Young. 2,485,716, Oct. 25.
Automobile hood lock. D. Christensen. 2,486,003, Oct. 25.
Automobile lock. D. P. Balais. 2,485,997, Oct. 25.
Axially engaging multiple fluid clutch. O. H. Banker. 2,485,688, Oct. 25.
Baffle, Clay flow. W. J. F. O'Connor. 2,486,200, Oct. 25.
Balancing of ring cutoff circuit for long and short lines. K. L. Burgener. 2,486,111, Oct. 25.
Barbecue apparatus. B. A. Keljik. 2,485,890, Oct. 25.
Barium strontium lead silicate phosphor. K. H. Butler. 2,486,112, Oct. 25.
Bathroom construction. O. Mankki. 2,486,371, Oct. 25.
Beacon system, Distance and direction finder radio. L. Mackta. 2,485,618, Oct. 25.
Beacon system, Radio. E. Labin and D. D. Grieg. 2,485,612, Oct. 25.
Belt and buckle combination. J. J. Meyerson and H. Buchsbaum. 2,486,311, Oct. 25.
Belt for infants, Safety. T. Cataldo. 2,486,114, Oct. 25.
Belt, Maternity. M. M. Scheinberg. 2,486,211, Oct. 25.
Bending a plurality of glass sheets simultaneously. J. D. Gwyn. 2,486,153, Oct. 25.
Bending single crystals of corundum and spinel. E. L. McCandless and D. M. Yenni. 2,485,979, Oct. 25.
β-nitroalkyl aralkyl ethers and preparing them. M. Senkus. 2,485,988, Oct. 25.
Bicycle sidecar. J. R. Warner. 2,485,994, Oct. 25.
Binder case construction for books. F. S. Schade. 2,486,330, Oct. 25.
Binder, Loose-leaf. F. S. Schade. 2,486,329, Oct. 25.
Blank cup, Folded. H. B. Cranshaw. 2,485,704, Oct. 25.
Block for railway crossings and the like, Flare. F. G. Wertz. 2,485,947, Oct. 25.
Boat, Self-propelled. A. Montalbano. 2,486,313, Oct. 25.
Bone bank and preserving bones for transplantation. E. J. Tucker, Jr. 2,485,791, Oct. 25.
Booster, Hydraulic. W. R. Tucker. 2,486,079, Oct. 25.
Booth, Spray. C. A. Braun. 2,486,251, Oct. 25.
Box: *See*—
  Examination box.
Brake: *See*—
  Disk brake.
Brake beam. F. Schaefer. 2,486,066, Oct. 25.
Brake drum. A. S. Van Halteren. 2,485,993, Oct. 25.
Brake drums, Making. S. N. Johnson. 2,485,969, Oct. 25.
Brake equipment, Empty and load. E. S. Cook. 2,485,815, Oct. 25.
Brassière. S. Cousins. 2,485,571, Oct. 25.
Brassière. S. Cousins and R. H. Taylor. 2,485,572, Oct. 25.
Breaker, Circuit. D. I. Bohn. 2,486,104, Oct. 25.
Broadcasting system. E. Labin and D. D. Grieg. 2,485,611, Oct. 25.
Brush for suction cleaners, Retractable. C. H. Sparklin. 2,485,671, Oct. 25.
Brush or rubbing device. J. McBreen. 2,485,899, Oct. 25.
Brush with retractable bristles. H. C. Pieper. 2,486,203, Oct. 25.
Burner: *See*—
  Hydroxylating fuel burner.
Burner having laterally directed flame ports, Fluid fuel. E. A. Furkert. 2,486,018, Oct. 25.
Burner having removable cap structures, Gas. P. S. Harper. 2,486,278, Oct. 25.
Burner with steam and oil mixing means, Fuel oil. T. J. Evans. 2,486,137, Oct. 25.
Cable clamp. H. L. Kindorf. 2,485,891, Oct. 25.
Cable connector. G. C. Thomas, Jr. 2,485,676, Oct. 25.
Calculating device, Carpenter's. J. H. Rogers. 2,485,777, Oct. 25.
Calculator device. A. F. Kirschbaum. 2,485,892, Oct. 25.
Camp stove, Folding. P. D. Sims. 2,485,667, Oct. 25.
Canopy, Extensible. E. S. Kavanaugh. 2,486,170, Oct. 25.
Cap or closure, Bottle. E. Simmons. 2,486,364, Oct. 25.
Capacitive switch. F. J. Lundberg. 2,485,617, Oct. 25.
Capacitor, Electric. F. M. Clark and G. F. Lipsey. 2,486,116, Oct. 25.
Capacitor with grounded plates mounted on cooling pipes. H. C. Dustman. 2,486,131, Oct. 25.

Carburetor. J. H. Stressen-Reuter. 2,486,223, Oct. 25.
Carrier: *See*—
  Article carrier.
  Rocket carrier.
  Spare tire and wheel carrier.
Carton, Hot food. B. O. Kuehlhorn. 2,486,178, Oct. 25.
Cartridge launcher, Multiple. C. N. Hickman. 2,485,601, Oct. 25.
Cartridge, Packing. G. R. Tremolada. 2,485,940, Oct. 25.
Case: *See*—
  Outside locket vanity case.
  Thermometer case.
Casing for upright pianos. W. Zaiser. 2,486,354, Oct. 25.
Casing with flexible card slot closure, Recorder. A. E. Rockwood. 2,486,063, Oct. 25.
Cast ferrous alloy. K. D. Millis, A. P. Gagnebin, and N. B. Pilling. 2,485,760, Oct. 25.
Catalytic conversion of hydrocarbons. G. A. Mills. 2,485,626, Oct. 25.
Catalytic conversion of hydrocarbons. P. G. Nahin and H. C. Huffman. 2,486,361, Oct. 25.
Catalytic dehydrogenation of hydrocarbons. W. A. Schulze and J. C. Hillyer. 2,485,927, Oct. 25.
Catalytic hydrocarbon conversion. K. L. Mills, Jr. 2,485,906, Oct. 25.
Cathode-ray tube. G. Burroughs. 2,485,561, Oct. 25.
Cathode structure for electric discharge tubes. J. L. H. Jonker. 2,486,292, Oct. 25.
Cathode, Thermionic. C. N. Smyth. 2,485,668, Oct. 25.
Cells, Combination of two or more than two blocking-layer. R. D. Bugel and C. de Lange. 2,486,110, Oct. 25.
Chair: *See*—
  Collapsible wheel chair.
Changing picture comprising one stationary and one sliding picture. M. Berg. 2,485,806, Oct. 25.
Chopper and tobacco patter, Cotton. M. S. Brown. 2,485,693, Oct. 25.
Circuit: *See*—
  Electrical circuit.
  Mixing circuit.
  Protective coupling circuit.
  Welding generator safety circuit.
Circuit arrangement for changing the frequency of electrical oscillations. M. J. O. Strutt and A. van der Ziel. 2,486,076, Oct. 25.
Circuit arrangement for electronic tube operating on dynamic grid current principles. J. A. Sargrove. 2,485,925, Oct. 25.
Circuit breaker, Air blast electric. D. R. Davies. 2,486,127, Oct. 25.
Circuit breaker, Electromagnetic trip. T. Lindstrom and G. G. Grissinger. 2,486,300, Oct. 25.
Circuit control apparatus. O. L. Taylor. 2,486,343, Oct. 25.
Circuit for retentive type relays, Electric. G. C. Armstrong and O. L. Taylor. 2,486,240, Oct. 25.
Circuit for television film transmitters, Waveform compensating. C. E. Hallmark. 2,485,594, Oct. 25.
Circuits, Computing. I. E. Grosdoff. 2,485,825, Oct. 25.
Circuits for telephone systems, Voice frequency signaling. C. E. Beale and H. E. Hopley. 2,486,100, Oct. 25.
Clamp: *See*—
  Cable clamp.
Clamping machine parts to beds. D. W. Strom. 2,486,075, Oct. 25.
Clasp, Bracelet. E. C. Ohl. 2,486,057, Oct 25.
Cleaner: *See*—
  Pipestem cleaner.
Cleaning composition. R. Bernstein. 2,485,554, Oct. 25.
Closure means for rubber hot-water bottles or bags. D. Atkin. 2,485,996, Oct. 25.
Clothes peg, Spring. K. Hovannessian. 2,485,602, Oct. 25.
Clothes-washing machine mechanism. H. F. Bariffi. 2,485,622, Oct. 25.
Clutch: *See*—
  Axially engaging multiple fluid clutch.
  Intermittent clutch.
Clutch and brake for washing machines, Fluid operated. J. W. McNairy. 2,485,623, Oct. 25.
Clutch for typographical casting machines, Latch operated. J. C. Plastaras. 2,485,771, Oct. 25.
Coated elastic fabric. C. S. Francis, Jr. 2,485,725, Oct. 25.
Coating compositions comprising reaction products of pentaerythritol and bodied triglyceride drying oils. B. C. Woodruff. 2,486,353, Oct. 25.
Coating, Hard smooth craze-resistant surface. W. T. Watt. 2,486,235, Oct. 25.
Coil handling apparatus and method. C. J. Duby. 2,485,961, Oct. 25.
Coin and key holder. R. I. Lane and J. Vaccaro. 2,486,180, Oct. 25.
Cold storage room arrangement having means for controlling the moisture content in the insulation. C. G. Munters. 2,485,630, Oct. 25.
Collapsible packaging container. J. C. Madden, 3rd. 2,486,045, Oct. 25.
Collapsible tube. P. R. Hoopes. 2,485,885, Oct. 25.
Collapsible wheel chair. H. A. Everest and H. C. Jennings. 2,486,015, Oct. 25.
Combination drill and brush. D. D. Purvis. 2,486,363, Oct. 25.
Combination haircutting machine. J. Sutch. 2,485,787, Oct. 25.
Combination heater, coffee table, and tray. G. W. Hawkins. 2,485,880, Oct. 25.
Combination lipstick container. Collapsible packaging container.
Combination magnetometer and gradiometer. O. H. Schmitt. 2,485,847, Oct. 25.
Combination utility case and roll book. G. R. Asachika. 2,485,802, Oct. 25.
Combined package and applicator. C. A. Oclassen. 2,486,056, Oct. 25.
Combined table and chairs. A. Mancusi. 2,486,186, Oct. 25.
Commode, Portable. S. C. Fulcher. 2,485,726, Oct. 25.
Communication system, Facsimile. J. Bion. 2,485,556, Oct. 25.
Compensating mechanism, Temperature. K. C. De Walt and T. P. Curtis. 2,486,129, Oct. 25.
Compensating system. I. R. Taylor and L. Larssen. 2,485,675, Oct. 25.
Compositions of chlorinated terphenyl and cellulose acetate-butyrate for strippable coatings. R. Ernst. 2,486,012, Oct. 25.
Compounds and manufacture of same, Bicyclic. E. Adler and B. S. Hagglund. 2,485,549, Oct. 25.
Compressor-turbine engine. B. G. Carlson. 2,485,813, Oct. 25.
Condenser. B. S. Melton. 2,485,902, Oct. 25.
Condenser, Electric. J. T. Osterman. 2,485,913, Oct. 25.
Connector: *See*—
  Cable connector.
  Electrical connector.
  Hydraulic connector.
  Multiwire connector.
Connector. R. M. Silliman. 2,485,930, Oct. 25.
Constant velocity joint. G. E. Dunn. 2,485,868, Oct. 25.
Contact element containing tin oxide, Electrical. M. J. Stumbock. 2,486,341, Oct. 25.
Contact-making device for electrical appliances. H. L. Lysigne. 2,486,042, Oct. 25.
Contact member, Electrical. W. M. Hurst. 2,486,285, Oct. 25.
Container: *See*—
  Collapsible packaging container.
  Container for electrical apparatus.
  Container structure, Insulated.
Container for electrical apparatus. S. Nadelson. 2,485,837, Oct. 25.
Container structure, Insulated. G. H. Norquist. 2,485,646–7, Oct. 25.
Continuously forming fibrous material. D. D. Adams, K. Rollius, and J. D. Risher. 2,486,091, Oct. 25.
Control and ignition system for fuel burners, Safety. R. C. Main. 2,486,306, Oct. 25.
Control and ignition system for fuel burners, Safety. C. K. Strobel. 2,486,340, Oct. 25.
Control apparatus applicable to entrainment of fluids, Jet. R. H. Goddard. 2,486,019, Oct. 25.
Control mechanism, Cable. R. M. Smith. 2,486,072, Oct. 25.
Control mechanism for conveyer apparatus. C. W. Apgar and A. L. Rosenfeld. 2,485,952, Oct. 25.
Control mechanism for electrically driven tools. T. S. Briskin nad J. C. Zivny. 2,486,254, Oct. 25.
Control mechanism for helicopters with coaxial rotors. H. T. Pentecost. 2,486,059, Oct. 25.
Control system. F. A. Barnes. 2,486,097, Oct. 25.
Control system, Aircraft. T. H. Barth. 2,485,958, Oct. 25.
Control system for electric-steam generators. C. F. Birchler and H. E. Weaver. 2,485,999, Oct. 25.
Control valve. W. E. Brill. 2,485,692, Oct. 25.
Controlled generator. R. W. Clark. 2,486,005, Oct. 25.
Controlling apparatus, Tension. E. J. Larsen and O. G. Nelson. 2,485,895, Oct. 25.
Controlling the temperature of glass in plural orifices of glass feeders. W. K. Berthold and J. S. Light. 2,485,807, Oct. 25.
Converter-amplifier system, Low-frequency. A. J. Williams, Jr., R. E. Tarpley, and N. C. Johnson. 2,485,948, Oct. 25.
Converting lower-boiling aldehydes into higher-boiling aldehydes. E. F. Smith. 2,485,989, Oct. 25.
Conveyer apparatus and control systems therefor. R. W. Spafford. 2,486,222, Oct. 25.
Cooker, Adjustable deep-well. C. E. Chesser and T. H. Cline. 2,485,698, Oct. 25.
Cooker for electric stoves having elevatable heating element, Deep well. K. H. Snow. 2,485,990, Oct. 25.
Cooling means, Glassware mold. H. C. MacConnell, Jr. 2,485,836, Oct. 25.
Cooling system for compartments using expansion engine means. F. H. Green. 2,485,590, Oct. 25.
Copolymers of alkenyl diesters of alkenyl-phosphonic acids with vinyl acetate. A. D. F. Toy. 2,485,677, Oct. 25.
Copolymers of isopropenyl acetate and fumaric or maleic ester-amides. W. O. Kenyon and C. C. Unruh. 2,486,370, Oct. 25.
Core and clamp, Magnetic. D. Halvorsen. 2,485,599, Oct. 25.
Core for use in casting hollow concrete units, Inflatable C. B. Mathews and J. G. Ambrose. 2,485,898, Oct. 25.
Core, Magnetic. G. G. Somerville. 2,486,220, Oct. 25.
Cork puller. J. H. Irving. 2,486,286, Oct. 25.
Counter, Geiger. L. Goldstein. 2,485,586, Oct. 25.
Counting machine. F. B. Clark. 2,486,117, Oct. 25.
Counting machine for laundry articles. F. B. Clark. 2,486,118, Oct. 25.
Coupler, Hydraulic. T. A. Campbell and E. G. Stock. 2,486,113, Oct. 25.

Coupling: *See*—
Screw clamp cable coupling. Tractor-trailer drive coupling.
Cover: *See*—
Mixing bowl cover.
Cover for automobile visors. J. M. and M. S. Axford, 2,486,096, Oct. 25.
Cover for hood-type furnaces, Inner. H. H. Armstrong, 2,485,995, Oct. 25.
Crane construction and apparatus. R. W. Spafford. 2,486,221, Oct 25.
Crib bed, Portable. E. V. Schroeder. 2,486,067, Oct. 25.
Crib, Collapsible. M. Morse. 2,486,054, Oct. 25.
Crib, Folding. A. F. Amelung. 2,486,093, Oct. 25.
Crystal. W. S. Erwin. 2,485,722, Oct. 25.
Curtain rod structure, Traverse. F. L. Stutz. 2,486,224, Oct. 25.
Cutout, Electrical. C. A. Fox. 2,486,143, Oct. 25.
Cutter: *See*—
Rotary grass cutter.
Cutting of metal and electrode therefor, Arc. C. R. Henry. 2,486,281, Oct. 25.
Cyclohexene production. H. H. Voge and G. M. Good. 2,485,965, Oct. 25.
Dampening device, Fluid pressure. C. J. Egger. 2,486,133, Oct. 25.
Deflectometer. L. K. Hyde. 2,485,735, Oct. 25.
Delay control, Time. C. T. Zavales. 2,486,089, Oct. 25.
Delivery mechanism for printing and like machines. G. Turrall. 2,485,943, Oct. 25.
Dental bridgework, Producing. P. Rothwell. 2,486,327, Oct. 25.
Derivatives of safrol and isosafrol. O. F. Hedenburg. 2,485,600, Oct. 25.
Desk pad. L. L. Bresler. 2,486,253, Oct. 25.
Detector, Electric weft. R. F. Dion. 2,486,009, Oct. 25.
Detent for cartridge type door hinges. A. J. Swanson. 2,485,937, Oct. 25.
Device for dispensing lubricating oil. F. G. Bates. 2,486,245, Oct. 25.
Device for the alternating voltage supply of a load. K. Posthumus. 2,485,773, Oct. 25.
Dielectric heating. J. W. Robertson. 2,485,659, Oct. 25.
Differential anesthesia valve. W. A. Pennington. 2,485,842, Oct. 25.
Dihydrosafrol derivatives. H. Wachs. 2,485,680, Oct. 25.
Dilator, Rectal. A. C. Tedford. 2,485,939, Oct. 25.
Dioxide reaction product, Petroleum extract-sulfur. E. S. Narracott. 2,485,911, Oct. 25.
Dip net. R. E. Jennings and H. K. Snyder. 2,486,163, Oct. 25.
Dip net, Foldable. K. C. Wallingford. 2,486,233, Oct. 25.
Direction finder. M. K. Goldstein. 2,485,585, Oct. 25.
Direction finder. E. B. Moore. 2,485,627, Oct. 25.
Direction finding system, Automatic radio. C. W. Earp and J. D. Weston. 2,485,578, Oct. 25.
Discharge device, Electric. F. R. Elder. 2,486,134, Oct. 25.
Discharge expediter, Hopper. J. G. Lenta. 2,486,298, Oct. 25.
Dishwashing apparatus. J. C. State. 2,485,673, Oct. 25.
Disk brake. F. C. Frank. 2,486,144, Oct. 25.
Disk plow, Reversible. W. R. Smith. 2,485,932, Oct. 25.
Distillation of allyl alcohol from hydrolysis products. P. E. Burchfield. 2,485,694, Oct. 25.
Distillation process for the recovery of phenols. G. E. Taylor and J. F. Adams. 2,486,342, Oct. 25.
Ditch dam. D. H. Looell. 2,485,755, Oct. 25.
Diversion-fitting for hot-water heating systems. S. J. Folio. 2,486,141, Oct. 25.
Diving gear. C. T. Morrow. 2,485,908, Oct. 25.
Drain control device, Snap action. H. F. Beeke. 2,486,246, Oct. 25.
Drilling means, Well. P. J. Harinck. 2,485,826, Oct. 25.
Drive attachment for bicycles, Power. W. E. Armstrong. 2,486,095, Oct. 25.
Drive for plating carriers in knitting machines. U. Pianta. 2,485,917, Oct. 25.
Drive system, Turntable. T. C. Sharp. 2,485,848, Oct. 25.
Drum beater. M. Goldrich. 2,485,822–3, Oct. 25.
Drum beater. W. D. Gladstone. 2,485,824, Oct. 25.
Drum structure. B. A. Perry. 2,485,985, Oct. 25.
Drying apparatus. F. W. Koster and L. A. Oberly. 2,485,609, Oct. 25.
Drying apparatus. R. C. Morris. 2,486,315, Oct. 25.
Earphone, Adjustable. R. E. Dulinsky. 2,486,267, Oct. 25.
Educational appliance. C. C. Church. 2,486,260, Oct. 25.
Electric heater. G. F. McIntosh. 2,486,309, Oct. 25.
Electric iron. E. Witzel. 2,486,352, Oct. 25.
Electric melting furnace. C. R. Stevens. 2,485,851, Oct. 25.
Electrical circuit. W. R. Rambo. 2,485,919, Oct. 25.
Electrical connector. F. N. Ervin. 2,486,013, Oct. 25.
Electrical device for effecting the multiplication or division of independent quantities. M. El Shishini and M. A. H. El-Said. 2,486,068, Oct. 25.
Electrolysis of primary nitroalkanes. C. T. Bahner. 2,485,803, Oct. 25.
Electrolytic production of aminoalcohols. G. W. McMillan. 2,485,982, Oct. 25.
Electronic impulse generator. B. M. Hadfield. 2,486,154, Oct. 25.
Electronic reversing switch. G. S. Burroughs. 2,485,560, Oct. 25.
Electroplating compositions and the electrodeposition of zinc, Zinc. A. E. Chester and F. F. Reisinger. 2,485,563, Oct. 25.
Emergency fuel tank. A. N. Cristofani and J. R. Rago. 2,485,701, Oct. 25.
Emulsion polymerization of butadiene in the presence of a salt of a dehydrogenated middle fraction of rosin. J. H. Long and D. H. Sheffield. 2,486,183, Oct. 25.
Emulsion polymerization of butadiene in the presence of a salt of a middle fraction of a dehydrogenated rosin. J. H. Long and D. H. Sheffield. 2,485,616, Oct. 25.
Engine: *See*—
Compressor-turbine engine. Opposed piston internal-combustion engine.
Internal-combustion engine. Rotary engine.
Esters in cheese, Citric acid. C. M. Gooding, R. H. Neal, and H. W. Vahlteich. 2,485,637, Oct. 25.
Ethyl cellulose gels. M. T. Harvey. 2,485,597, Oct. 25.
Evaporator coil combined with a fan, Semicircular. G. Frie. 2,486,145, Oct. 25.
Evaporator having an extended vaporising surface area. J. G. Reid, Jr. 2,485,844, Oct. 25.
Evaporator, Milk. A. W. Baumann. 2,485,689, Oct. 25.
Examination box. J. M. Hills. 2,486,026, Oct. 25.
Exchange apparatus, Heat. R. J. Scott. 2,485,664, Oct. 25.
Exchanger or cooling tower, Heat. L. L. Simmons. 2,485,849, Oct. 25.
Exit device, Beehive. J. E. Harwood. 2,485,879, Oct. 25.
Expansion valve. P. F. Petersen. 2,486,060, Oct. 25.
Explosives, Manufacturing. P. W. Streiffert. 2,485,889, Oct. 25.
Extraction of cottonseed oil, Solvent. A. Peres. 2,485,916, Oct. 25.
Extractor: *See*—
Seed extractor.
Fabric: *See*—
Coated elastic fabric.
Fabric and making the same, Knitted. R. F. W. Krueger. 2,485,747, Oct. 25.
Faceplate, Vise jaw. M. T. Guest. 2,485,876, Oct. 25.
Fastening for cupboard, cabinet or other like doors. G. W. Lacon. 2,486,036, Oct. 25.
Fastening means, Table leg. A. J. Sheonberg. 2,485,784, Oct. 25.
Fats and oils, Stabilized. J. Korner. 2,486,177, Oct. 25.
Feed control system. G. E. King. 2,486,295, Oct. 25.
Feed mechanism, Grinding wheel. H. E. Balsiger and R. E. Price. 2,486,244, Oct. 25.
Feeder. S. E. Keagle. 2,485,832, Oct. 25.
Feeding composition, Poultry. C. W. Sondern. 2,485,669, Oct. 25.
Feeding mechanism with slidably and pivotally mounted gripper arms, Envelope. A. R. Smith, G. A. Lee, and C. J. Hopkins. 2,486,069, Oct. 25.
Film splicer, Motion-picture. G. Laube and W. A. Wootten. 2,486,040, Oct. 25.
Films bearing designs, Producing. M. A. Chavannes. 2,486,258, Oct. 25.
Filter: *See*—
Multiple frequency filter.
Fingerprint machine. G. W. Jacoby, Jr. 2,485,737, Oct. 25.
Finished circumferentially surfaced lenses from lens stock, Making. W. J. Flett. 2,485,873, Oct. 25.
Fire-fighting apparatus. N. A. Fitzgerald. 2,485,723, Oct. 25.
Fish box for boats. W. L. Aldredge, Sr. 2,485,684, Oct. 25.
Fish fly making vise and holder. B. T. Fong. 2,486,142, Oct. 25.
Fish landing net Collapsible. E. J. Schrieber and A. L. Weatherhead. 2,485,781, Oct. 25.
Fishing plug. V. T. Watt. 2,485,946, Oct. 25.
Fishing reel. S. G. Hirsch. 2,486,027, Oct. 25.
Fishing reel. E. R. Zimmerman. 2,485,800, Oct. 25.
Fitting, Hose end. B. A. Main, Jr. 2,485,975, Oct. 25.
Fixture, Railway car door. S. J. Stone. 2,486,339, Oct. 25.
Flower pick. Angelo, Louis, and Leonard Brutocao. 2,486,109, Oct. 25.
Fluidizing process for producing zinc. J. C. Kalbach. 2,485,604, Oct. 25.
Flush tank. V. F. Smith. 2,486,336, Oct. 25.
Folding machine, Box. F. A. Spinale. 2,486,074, Oct. 25.
Form for building septic tanks. P. N. Sitton. 2,485,850, Oct. 25.
Frame: *See*—
Plastic picture frame.
Frame for bowling alleys and removable pit cushions therefor. L. Ricci. 2,485,775, Oct. 25.
Frequency-stabilizing system. G. G. Bruck and P. E. Volz. 2,486,001, Oct. 25.
Fuel, Motor. J. A. Chenicek. 2,485,696, Oct. 25.
Fumigant, Grain. J. Kamlet. 2,485,605, Oct. 25.
Furnace: *See*—
Electric melting furnace.
Furnace for the heat treatment of solids. H. C. Schweitzer. 2,485,782, Oct. 25.
Fuse, Delay action. B. J. Wilson and J. E. Stringer. 2,485,949, Oct. 25.
Fuse element, Electrical. G. S. Phipps. 2,486,202, Oct. 25.

Game apparatus. V. C. Engstrom. 2,485,721, Oct. 25.
Garment, Breast supporting. S. Cousins. 2,485,570, Oct. 25.
Garment, Sport. I. H. Yates. 2,486,236, Oct. 25.
Gas mixer. E. A. Furkert. 2,486,017, Oct. 25.
Gate: *See*—
Triple gate.
Gauge: *See*—
Pneumatic comparator gauge.
Gear and rack type control. W. G. Van Voorhis. 2,485,792, Oct. 25.
Gearshift control. C. A. Gustafson. 2,485,732, Oct. 25.
Gear: *See*—
Diving gear.
Gearing, Power take-off. T. L. Fawick. 2,486,269, Oct. 25.
Gearing, Spiral. C. O. J. Monteilius. 2,486,193, Oct. 25.
Gel-type imidized polyacrylamide. L. M. Minsk and W. O. Kenyon. 2,486,192, Oct. 25.
Generating and driving machine, Electrostatic. N. Felici. 2,486,140, Oct. 25.
Generating system, Noise. R. H. Brown. 2,486,106, Oct. 25.
Generator: *See*—
Controlled generator. Pulse generator.
Electronic impulse generator.
Generator for the balancing of rotors, Portable. A. C. Hagg and B. Cametti. 2,486,277, Oct. 25.
Generator, hyperbolic wave form, Voltage. F. L. Talbott and R. O. Robinson, Jr. 2,485,938, Oct. 25.
Generator of the velocity modulation type, Oscillation. R. G. Roach. 2,485,661, Oct. 25.
Glyceridic oil composition and preparing same. H. W. Vahlteich, R. H. Neal, and C. M. Gooding. 2,485,632, Oct. 25.
Glyceridic oil compositions and preparing same. H. W. Vahlteich, C. M. Gooding, and R. H. Neal. 2,485,639, Oct. 25.
Gooseneck motion for die casting machines. L. H. Morin. 2,486,053, Oct. 25.
Grass trimmer, Power-driven. J. H. Godfrey. 2,485,963, Oct. 25.
Grinding fixture, Tap. W. J. Lusk. 2,486,044, Oct. 25.
Grinding fixture, Twist drill. N. C. Smith and W. E. Johnson. 2,486,335, Oct. 25.
Grinding machine. B. Tocci-Guilbert. 2,486,078, Oct. 25.
Grinding machine, Gear. W. Graf. 2,486,020, Oct. 25.
Gripper structure, Segmental. S. E. Rike. 2,486,324, Oct. 25.
Guard attachment for dental tools. E. L. McKeen. 2,485,900, Oct. 25.
Guard for antifriction bearings, Grease. T. L. Fawick. 2,486,270, Oct. 25.
Guide Filament. M. H. Barnes and E. L. McCandless. 2,485,553, Oct. 25.
Guide for lifter roof tanks. D. E. Larson. 2,485,613, Oct. 25.
Guide, Rolling mill. D. McLeod and D. O. Norris. 2,486,310, Oct. 25.
Gun, Drill. W. M. Cutler. 2,486,008, Oct. 25.
HF—BF$_3$—H$_2$O isomerization catalyst. F. E. Frey. 2,486,368, Oct. 25.
Hair curler. R. Bacon. 2,485,686, Oct. 25.
Hair ringlet holder. B. Corubia. 2,486,122, Oct. 25.
Handset, Telephone. G. Deakin. 2,485,574, Oct. 25.
Handle attaching means. F. J. Kendall. 2,485,833, Oct. 25
Hanger. R. P. Nicol. 2,485,838, Oct. 25.
Hardware, Garage door. W. A. Caldwell. 2,485,860, Oct. 25.
Harvester, Seed. E. M. Dowd. 2,485,713, Oct. 25.
Hassock, Air vent. F. A. Powell. 2,485,918, Oct. 25.
Heat dissipator for electrical devices and equipment. J. C. Koonz. 2,485,745, Oct. 25.
Heat insulation, Forming. L. B. Miller and W. R. Seipt. 2,486,050, Oct. 25.
Heat transfer media, Protection of. A. J. Abrams. 2,485,542, Oct. 25.
Heat-treatment for high carbon high chromium steel. C. G. Hoffman and J. M. Kiefer, Jr. 2,486,282, Oct. 25.
Heat-treatment for high carbon high chromium steel. C. G. Hoffman and J. M. Kiefer, Jr. 2,486,283, Oct. 25.
Heater: *See*—
Electric heater. Strap-on heater.
Heater. W. D. Hall. 2,486,156, Oct. 25.
Heating arrangement, High-frequency. A. J. Pinkney. 2,485,843, Oct. 25.
Heating device for engines. G. Lancia. 2,485,750, Oct. 25.
Heating element. C. H. Sparklin. 2,485,672, Oct. 25.
Heating element, Electric. T. W. Glynn and C. R. Venable. 2,486,148, Oct. 25.
Heating system. T. A. Holmberg. 2,486,160, Oct. 25.
Hectograph blanket and preparing the same. R. W. Tatge. 2,486,344, Oct. 25.
Helicopter with antitorque reaction jet. A. Gazda. 2,486,272, Oct. 25.
High-frequency apparatus. T. J. Boerner and J. W. Sanborn. 2,485,856, Oct. 25.
Hitch and differential housing, Tractor. E. V. Bunting. 2,486,257, Oct. 25.
Hitch, Trailer. H. P. Hughes. 2,486,161, Oct. 25.
Hitch, Trailer. B. Koback. 2,485,743, Oct. 25.
Hog ringer, Automatic. C. Forst. 2,485,874, Oct. 25.
Holder: *See*—
Coin and key holder. Trip rope holder.
Hair ringlet holder. Welding electrode holder.
Tree holder.
Holder for balancing automobile wheels, Ring weight. E. S. Stroberg. 2,485,936, Oct. 25.
Holder for card tables and the like, Swinging. G. G. Hathaway. 2,486,279, Oct. 25.
Holder for die grinding. A. F. Cronlund. 2,485,866, Oct. 25.
Holding device for poultry and the like. C. R. Siegrist. 2,485,929, Oct. 25.
Hook: *See*—
Lock hook. Trap hook.
Safety clothesline hook.
Hook cap for clothes poles. B. A. P. Guy. 2,486,276, Oct. 25.
Hopper trap. R. Linington. 2,486,301, Oct. 25.
Horizon, Gyroscopic artificial. E. F. Aumuller. 2,485,552, Oct. 25.
Housing, Collapsible. M. F. Owens. 2,485,914, Oct. 25.
Humidity control system. C. W. Kuhn. 2,485,894, Oct. 25.
Hydraulic connector. D. W. Main. 2,485,976, Oct. 25.
Hydraulic valve. F. J. Wright. 2,486,087, Oct. 25.
Hydrocarbon synthesis process and catalyst therefor. S. W. Walker. 2,485,945, Oct. 25.
Hydrocarbosilicon thiocyanates and articles treated therewith. R. M. Joyce, Jr. 2,485,603, Oct. 25.
Hydroxylating fuel burner. F. J. M. Raskin. 2,485,656, Oct. 25.
Ice-cream mixes, Stabilized. A. B. Steiner and G. D. Sperry. 2,485,935, Oct. 25.
Igniter, Flash bulb. A. K. Edgerton. 2,486,010, Oct. 25.
Imidized polyacrylamides. L. M. Minsk and W. O. Kenyon. 2,486,190, Oct. 25.
Implement for vehicles, Detachable. H. W. Rockwell. 2,486,372, Oct. 25.
Implement, Lawn edging. V. E. Hamilton, Jr. 2,485,877, Oct. 25.
Indication system, Three-dimensional proximity. W. H. Newbold. 2,486,197, Oct. 25.
Indicator: *See*—
Air position indicator. Shockproof dial indica-
Magnetic field strength for.
Indicator. Valve position indicator.
Indicator for telephone switchboards. C. Lomholt. 2,485,615, Oct. 25.
Induction heating system, High-frequency. H. F. Storm. 2,485,785, Oct. 25.
Induction motor primary construction. W. J. Morrill. 2,485,628, Oct. 25.
Inspection apparatus, Fluid. M. A. Elliott. 2,485,579, Oct. 25.
Inspection device having illuminating and magnifying means, Stocking. H. Gilbert. 2,485,820, Oct. 25.
Instrument, Electrical musical. N. Langer. 2,486,039, Oct. 25.
Instrument, Electrical musical. M. J. Larsen. 2,485,751, Oct. 25.
Instrument, Electronic musical. A. R. Rienstra. 2,486,208, Oct. 25.
Instrument, Musical wind. B. G. Ladd. 2,485,749, Oct. 25.
Instrument, Navigational plotting. E. E. Suiter. 2,485,674, Oct. 25.
Instrument, Surveying. A. E. Sanderson. 2,485,846, Oct. 25.
Instrument with electromagnetic feedback, Electrical. H. B. Rex. 2,485,657, Oct. 25.
Intermittent clutch. E. Jeschke. 2,485,738, Oct. 25.
Intermittent movement. J. V. Davis. 2,486,128, Oct. 25.
Internal-combustion engine. S. Q. Zimmerman. 2,485,951, Oct. 25.
Iron: *See*—
Electric iron.
Iron having improved properties, Gray cast. K. D. Millis, A. P. Gagnebin, and N. B. Pilling. 2,485,761, Oct. 25.
Jack: *See*—
Ladder jack. Shoe jack.
Jaw crusher, compound movement. A. R. Ebersol. 2,485,717, Oct. 25.
Jaw crusher, including independent means for adjusting the discharge gap of each stage, Plural stage. A. R. Ebersol. 2,485,718, Oct. 25.
Jig, Type soldering. P. A. Kegevic. 2,486,171, Oct. 25.
Joint: *See*—
Constant velocity joint. Tool joint.
Pipe joint. Universal joint.
Joint for vacuum tubes, Sealed demountable. H. Saucet. 2,485,926, Oct. 25.
Journal connection. R. B. Cottrell. 2,486,123, Oct. 25.
Keyboard, Transposing. W. H. Watkins. 2,485,795, Oct. 25.
Key interlock. B. Carlstrom and E. Grip. 2,485,695, Oct. 25.
Key with bisecting plate, Telephone. H. Dorjee. 2,485,818, Oct. 25.
Kite, Pneumatic. M. Haas. 2,486,158, Oct. 25.
Knitting process. R. F. W. Krueger. 2,485,746, Oct. 25.
Ladder jack. C. Armstrong. 2,485,685, Oct. 25.
Lamp support. R. W. Haven. 2,486,159, Oct. 25.

Lapping device. C. M. Croft, A. W. Bergeron, and F. G. Dodge. 2,485,705, Oct. 25.
Latch: *See*—
Tubular knob latch.
Latch mechanism, Explosive operated. G. O. Rockwell. 2,485,921, Oct. 25.
Launching apparatus, Rocket. F. C. Eastman. 2,485,715, Oct. 25.
Lawn mower. F. A. Newman. 2,485,984, Oct. 25.
Lead-in structure for vacuum tubes. H. Saucet. 2,486,065, Oct. 25.
Leveling system for lifter roof tanks. I. L. Wissmiller. 2,485,683, Oct. 25.
Lifter roof tank. H. C. Boardman. 2,485,557, Oct. 25.
Light: *See*—
Traffic safety light.
Lightweight cellular materials, Making. W. D. Ford. 2,485,724, Oct. 25.
Lighter, Cigar. J. Youhouse. 2,486,366, Oct. 25.
Lighter, Cigarette. F. E. Hutter and A. Quirin. 2,485,734, Oct. 25.
Lighter, Pocket. A. Campos. 2,485,956, Oct. 25.
Lighting system, Airport. H. N. Newstedt. 2,486,198, Oct. 25.
Lipstick container. C. Sommer. 2,486,073, Oct. 25.
Livestock tool. D. F. Christoffer. 2,485,703, Oct. 25.
Loader and control, Material. L. C. Sokol. 2,485,933, Oct. 25.
Loading device, Boat. F. Morse and A. W. Christensen. 2,486,316, Oct. 25.
Lock: *See*—
Automobile hood lock. Automobile lock.
Lock hook. C. M. Fisher. 2,485,872, Oct. 25.
Lock mechanism, Control. E. W. Batterson. 2,486,098, Oct. 25.
Lubricant. R. L. May. 2,486,188, Oct. 25.
Lubricant composition. R. L. Dietrich and R. W. Williams. 2,486,130, Oct. 25.
Lubricator. M. G. Bales. 2,485,998, Oct. 25.
Lumber, Sheet. W. C. Goss. 2,485,587, Oct. 25.
Machine for applying plastic material. C. F. Hammann. 2,485,595, Oct. 25.
Machine for forming and applying hood caps to bottles. A. J. Briggs. 2,486,252, Oct. 25.
Machine for harvesting and baling underwater plant life. M. E. Grinwald. 2,486,275, Oct. 25.
Machine for producing pads for journal lubrication. H. D. and A. A. McVicker. 2,485,901, Oct. 25.
Machine tool and the like. J. Brunel. 2,486,108, Oct. 25.
Magnetic field strength indicator. T. Slonczewski. 2,485,931, Oct. 25.
Margarine and butter compositions. H. W. Vahlteich, R. H. Neal, and C. M. Gooding. 2,485,634, Oct. 25.
Margarine and preparing same. C. M. Gooding, H. W. Vahlteich, and R. H. Neal. 2,485,638, Oct. 25.
Material handling and loading apparatus. E. J. Nadherny. 2,486,317, Oct. 25.
Measuring apparatus, Distance. E. L. Ginzton. 2,485,584, Oct. 25.
Measuring apparatus, Liquid level. M. K. Richards. 2,486,207, Oct. 25.
Measuring device, Stress. R. M. Mains. 2,485,977, Oct. 25.
Measuring system, Radio distance. E. L. Ginzton. 2,485,583, Oct. 25.
Media, Microbiological. L. H. Silvernail and P. A. Wolf. 2,486,216, Oct. 25.
Method and apparatus for collecting yarns. I. S. Roberts. 2,485,776, Oct. 25.
Method and apparatus for conducting gaseous reactions in the presence of solid particles. E. Utterback. 2,486,229, Oct. 25.
Method and apparatus for determining leaks. A. O. Nier. 2,486,199, Oct. 25.
Method and apparatus for expansion of fibrous mats. R. E. Slack and L. M. Hedges. 2,486,217, Oct. 25.
Method and apparatus for inserting contacts in glass tubes. G. N. Phelps. 2,485,769, Oct. 25.
Method and apparatus for manufacturing blocks from various materials. A. H. Duggan, R. P. Toots, and E. D. Dubois. 2,486,266, Oct. 25.
Method and apparatus for testing oils. W. R. Turner, W. Schreiber, and C. H. van Hartesveldt. 2,486,080, Oct. 25.
Method and device for indicating spoilage. J. d'A. Clark. 2,485,566, Oct. 25.
Method and machine for feeding ring contacts in base making. J. B. Whitmore and L. D. Morand. 2,486,085, Oct. 25.
Method of and apparatus for compensating for residual magnetization in cathode-ray apparatus. F. T. Coughlin. 2,485,569, Oct. 25.
Method of and apparatus for dealring slips. J. A. Bower. 2,485,857, Oct. 25.
Method of and apparatus for making electrical measurements. M. R. Chandler. 2,485,863, Oct. 25.
Method of and device for testing foundry sand. R. L. McIlvaine. 2,485,981, Oct. 25.
Methylcyclopentene production. G. M. Good and H. H. Voge. 2,485,964, Oct. 25.
Methylcyclopentene production. G. M. Good and H. H. Voge. 2,485,966, Oct. 25.
Methylenedioxyphenyl derivatives and production thereof. H. Wachs. 2,485,681, Oct. 25.
Microfilm reader, Projection. J. Halahan, F. A. Lyon, L. H. Mortimer, and T. F. Aronson. 2,486,157, Oct. 25.
Microphone, Violin. H. De Armond. 2,486,264, Oct. 25.
Microscope, Electron. J. B. Le Poole. 2,485,754, Oct. 25.
Millable compositions. M. T. Harvey. 2,485,598, Oct. 25.
Milling machine. R. O. Boykin, Jr. 2,485,858, Oct. 25.
Mirror, Rearview. B. E. Bonar. 2,486,105, Oct. 25.
Mitt, Baseball baseman's. A. Hilton. 2,485,882, Oct. 25.
Mixer: *See*—
Gas mixer.
Mixer. M. Dahnke. 2,486,126, Oct. 25.
Mixer for plastic materials. V. Zona. 2,485,854, Oct. 25.
Mixing bowl cover. M. J. Ost. 2,486,320, Oct. 25.
Mixing circuit. J. E. Shepherd. 2,485,665, Oct. 25.
Mixing system, Variable output. K. A. Raypholtz. 2,486,323, Oct. 25.
Modulator, Pulse. D. Y. Keim. 2,485,608, Oct. 25.
Molding cellular products. B. M. King, Jr. 2,485,742, Oct. 25.
Molding compositions. G. A. Griess and E. D. Morris. 2,485,592, Oct. 25.
Molding form for use in producing burial vaults and the like. C. A. Landon. 2,486,038, Oct. 25.
Mop with two-part hinged backing plate, Sponge type. W. E. Berndtsen. 2,486,102, Oct. 25.
Motor control system, Electric. F. A. Gross and R. R. Darden, Jr. 2,486,151, Oct. 25.
Motor follow-up apparatus, Electric. K. A. Holst. 2,486,029, Oct. 25.
Motor vehicle automatic speed regulator. W. V. Goss. 2,486,369, Oct. 25.
Mount, Truck cab. R. J. Waterbury and E. J. Premo. 2,485,794, Oct. 25.
Mounting: *See*—
Propeller mounting.
Resilient expansible buckle mounting.
Mounting for electric irons, Control dial. F. Busch. 2,485,955, Oct. 25.
Mounting for typewriting or like machines, Ribbon roll. J. J. Kittel. 2,486,175, Oct. 25.
Mower, Sickle. M. Roads. 2,486,209, Oct. 25.
Muffler with plural expansion chambers, Baffle type. L. R. Bester. 2,485,555, Oct. 25.
Muffler with valved exhaust trap. A. J. Culp. 2,486,007, Oct. 25.
Multiple frequency filter. G. R. Clark. 2,485,567, Oct. 25.
Multiplex system, Pulse time division. D. D. Grieg. 2,485,591, Oct. 25.
Multiwire connector. J. H. Munsey. 2,486,195, Oct. 25.
Nail, Fracture. E. A. J. Ericsson. 2,486,136, Oct. 25.
Navigator, Automatic. R. F. Rusch and J. F. Payne. 2,485,663, Oct. 25.
Needle, Knitting. G. H. Maker and S. S. Harris. 2,486,184, Oct. 25.
Newspaper trap. G. E. Cummins. 2,485,707, Oct. 25.
Nitramines. A. T. Blomquist and F. T. Fiedorek. 2,485,855, Oct. 25.
Nitric acid, Manufacture of. W. E. Watson and J. W. Glenn. 2,486,083, Oct. 25.
Nitro group replacement process. H. B. Hass and L. A. Gillette. 2,486,023, Oct. 25.
Nitrophenyloxypolyalkoxyalkyl ether and a composition of it and a plasticizable organic substance. G. L. Doelling and K. H. Adams. 2,485,712, Oct. 25.
Novel picture hot plate, Child's. E. Rubin. 2,485,922, Oct. 25.
Nozzle, Spray. E. H. Lederer. 2,486,297, Oct. 25.
Nut meats. R. H. Neal, H. W. Vahlteich, and C. M. Gooding. 2,485,636, Oct. 25.
Observation apparatus without wire changeovers. B. J. Kucera. 2,485,748, Oct. 25.
Oil dewaxing, Hydrocarbon. G. H. Evans. 2,486,014, Oct. 25.
Oil, Lubricating. S. E. Campbell and I. S. Dellinger. 2,485,861, Oct. 25.
Opener, Can. W. H. Montgomery. 2,486,314, Oct. 25.
Opposed piston internal-combustion engine. M. Mallory. 2,486,185, Oct. 25.
Optical system for projecting a plurality of images of one reticle or image source by means of a plurality of reflectors. M. G. Townsley. 2,486,225, Oct. 25.
Organic crystallising liquid stable phthalocyanine pigments, Producing. S. A. Loukomsky. 2,486,304, Oct. 25.
Organic thiocyanates, Preparation of. B. Abramovitch. 2,486,090, Oct. 25.
Organisms, Destruction of. J. W. Robertson. 2,485,660, Oct. 25.
Organo-Siloxanes. J. F. Hyde. 2,486,162, Oct. 25.
Oscillator. T. A. O. Gross. 2,486,021, Oct. 25.
Oscillator, Crystal harmonic. E. J. H. Bussard. 2,486,355, Oct. 25.
Oscillator, Shock-excited. H. Klemperer. 2,486,176, Oct. 25.
Oscillator, Variable frequency. F. R. Dennis. 2,486,265, Oct. 25.
Otoscope or the like. A. H. Parcher. 2,485,766, Oct. 25.
Outside locket vanity case. A. M. Cohan. 2,485,814, Oct. 25.

Packaging machine. M. P. Neal. 2,485,912, Oct. 25.
Packing case and making same. G. H. Norquist. 2,485,644, Oct. 25.
Pad: *See*—
Desk pad.
Pad for shoulder straps. G. B. Elliott and N. M. Pfann. 2,485,720, Oct. 25.
Pallet. S. Horwitz. 2,486,284, Oct. 25.
Panel, Metal-clad. G. H. Norquist. 2,485,643, Oct. 25.
Panels, Making metal-clad. G. H. Norquist. 2,485,648, Oct. 25.
Patent leather and simulated patent leather, Manufacture of. A. B. Harding. 2,485,967, Oct. 26.
Phase reversal protector. H. F. Clark. 2,486,004, Oct. 25.
Phenol aldehyde resins. G. L. Doelling and K. H. Adams. 2,485,711, Oct. 25.
Phonographic apparatus, Door operated. E. O. Deaver. 2,485,575, Oct. 25.
Phosphor, VII type. N. F. Miller. 2,485,903, Oct. 25.
Photography in relief. M. Bonnet. 2,485,811, Oct. 25.
Piano construction. F. C. Socin. 2,486,337, Oct. 25.
Piano construction. R. W. E. Sperry and J. C. Horth. 2,486,338, Oct. 25.
Pickup and volume control, Microphone. H. De Armond. 2,486,263, Oct. 25.
Pickup having fulcrum suspended drive arm, Phonograph. B. B. Bauer. 2,486,099, Oct. 25.
Piezoelectric crystal apparatus. W. P. Mason. 2,486,187, Oct. 25.
Piezoelectric transducer and producing same. C. K. Gravley. 2,486,150, Oct. 25.
Pipe: *See*—
Tobacco pipe.
Pipe joint. P. F. Donahue. 2,485,960, Oct. 25.
Pipestem cleaner. I. Berlin, F. L. Graham, and D. McCann. 2,486,247, Oct. 25.
Piston ring. E. Cass. 2,485,862, Oct. 25.
Piston ring. G. C. Mayfield. 2,486,359, Oct. 25.
Plastic picture frame. E. D. Kissling. 2,486,174, Oct. 25.
Plasticizers. L. D. Myers and R. W. Webster. 2,485,910, Oct. 25.
Plating, Cadmium. A. E. Chester and F. F. Reisinger. 2,485,565, Oct. 25.
Plug: *See*—
Fishing plug. Shielded spark plug.
Plug cock valve. O. Jacobsen. 2,485,831, Oct. 25.
Pneumatic comparator gauge. C. B. Moore. 2,486,052, Oct. 25.
Polyisobutylene-asphalt composition containing hardening agent. R. W. Merley and V. A. Navikas. 2,485,625, Oct. 25.
Polymerization. S. and D. D. Whyte. 2,485,798, Oct. 25.
Polymerization of vinyl esters. J. O. White. 2,485,796, Oct. 25.
Polymerizing a conjugated diene in the presence of a regulator comprising selected amides of mercaptyl undecanoic acids. K. H. Weber. 2,485,682, Oct. 25.
Polymerizing acrylamide. L. M. Minsk, W. O. Kenyon, and J. H. Van Campen. 2,486,191, Oct. 25.
Positioning device, Fluid pressure controlled. A. J. Bent. 2,485,808, Oct. 25.
Potato products and preparing same. R. H. Neal, C. M. Gooding, and H. W. Vahlteich. 2,485,635, Oct. 25.
Power-driven tool. T. S. Briskin. 2,486,255, Oct. 25.
Power heating apparatus and method, Radio-frequency. J. W. Robertson. 2,485,658, Oct. 25.
Power plant. J. E. Andreau. 2,485,543, Oct. 25.
Power plant, Steam-air thermal. J. Karrer. 2,486,291, Oct. 25.
Power supply, Regulated radio frequency. L. W. Parker. 2,485,652, Oct. 25.
Preparation of histidine and leucine. L. Butturini and G. Bernini. 2,485,859, Oct. 25.
Preparation of polyalkylene glycols. G. W. Hearne and H. L. Yale. 2,486,024, Oct. 25.
Preparing alpha-aminoanthraquinones. M. Scalera and D. R. Eberhart. 2,486,210, Oct. 25.
Preparing and coating screen material on tubes. H. Kasperowics. 2,485,607, Oct. 25.
Preparing crystalline salts of penicillin. L. Larson. 2,486,181, Oct. 25.
Preparing meso-substituted carbocyanine dyes and thioketones. G. H. Keyes. 2,486,173, Oct. 25.
Preparing polymers and copolymers of acrylic acid nitriles. H. W. Arnold. 2,486,241, Oct. 25.
Prerinsing soiled dishes and simultaneously recovering tableware from table scraps. F. T. Hilliker. 2,485,968, Oct. 25.
Press: *See*—
Soap conserving press.
Press for the packaging of bundles of currency. P. W. Thomas. 2,485,789, Oct. 25.
Pressure cooker, Double walled. W. C. Fox. 2,485,581, Oct. 25.
Pressure device, Fluid. J. L. Lefer and J. E. Leininger. 2,485,753, Oct. 25.
Pressure gauge having a combined inclined and vertical tube. L. M. Ellison. 2,486,135, Oct. 25.
Pressure switch. R. Shaw, Jr. 2,485,783, Oct. 25.
Printing on thermoplastic sheetlike material. M. A. Chavannes. 2,486,259, Oct. 25.
Process and apparatus for continuously neutralising dry acid cloth. E. E. Derby. 2,485,710, Oct. 25.
Prod, Test. E. E. Helin. 2,485,881, Oct. 25.
Producing tobacco web material. F. J. Sowa and F. F. Tone. 2,485,670, Oct. 25.
Production of improved extruded polytetrafluoroethylene articles. S. B. Bogese. 2,485,691, Oct. 25.
Projectile. J. D. Jordan. 2,485,887, Oct. 25.
Projection screen. M. A. Benison. 2,486,206, Oct. 25.
Projector mechanism having unitary cabinet means and screen, Film and slide. A. M. Davock. 2,485,709, Oct. 25.
Prop, Foldable. K. T. Snyder. 2,486,216, Oct. 25.
Propeller for aircraft. E. N. Hartzell. 2,485,827, Oct. 27.
Propeller mounting. D. Biermann. 2,485,809, Oct. 25.
Propeller, Screw. L. G. Fairhurst. 2,486,016, Oct. 25.
Propulsion system for boats, Hydraulic. E. C. C. Miller. 2,486,049, Oct. 25.
Protective coupling circuit. A. G. Kandoian. 2,485,606, Oct. 25.
Protective device for automotive electric circuit. H. Gallina. 2,485,727, Oct. 25.
Protector: *See*—
Phase reversal protector. Shoe protector.
Protector for shoes and boots. A. L. Cruise. 2,485,706, Oct. 25.
Puller: *See*—
Cork puller. Valve stem puller.
Pulse generator. J. A. Ryles. 2,485,778, Oct. 25.
Pump: *See*—
Rotary pump.
Surge-compensated liquid pump.
Pump control system. C. M. Buck. 2,486,256, Oct. 25.
Pump system, Self-priming deep well. C. Jacuzzi and J. E. Armstrong. 2,486,288, Oct. 25.
Purification of recovered camphor. A. B. Richmond. 2,485,774, Oct. 25.
Quaternary salts of carbamic acid esters of tertiary-hydroxybenzyl-amines. J. A. Aeschlimann and A. Stempel. 2,485,550, Oct. 25.
Rack: *See*—
Tomato plant rack.
Ratchet end for brace bits. A. L. Stowell. 2,485,991, Oct. 25.
Ratchet mechanism, Reversible. C. W. Lofgren. 2,486,043, Oct. 25.
Ratiometer. L. Dubin and E. Pataki. 2,485,577, Oct. 25.
Reaction product of naphthylamine-and aldonic acids. A. E. Chester and F. F. Reisinger. 2,485,564, Oct. 25.
Receiver apparatus, Radio. J. A. van Lammeren. 2,486,230, Oct. 25.
Receiver, Direction-responsive. E. Martini. 2,485,619, Oct. 25.
Receiver system. A. Frum. 2,485,582, Oct. 25.
Receiving system having inductively coupled butterfly type circuits, High-frequency. P. J. Holmes. 2,485,884, Oct. 25.
Recorder, Facsimile. W. H. Tribble. 2,485,678, Oct. 25.
Recording apparatus for telemetric systems. H. D. Giffen and T. B. Thomson, Jr. 2,485,730, Oct. 25.
Rectifier and making the same. L. B. Haigh. 2,485,593, Oct. 25.
Rectifier and photocell, Selenium. F. Gray. 2,485,589, Oct. 25.
Reduction of nitrobenzene to hydrazobensene. G. Hallie. 2,486,358, Oct. 25.
Reel: *See*—
Fishing reel.
Reeling mechanism. F. A. and E. L. King and A. N. Fedstrom. 2,485,741, Oct. 25.
Refrigerating machine, Multicylinder. F. L. van Weenen. 2,486,081, Oct. 25.
Refrigeration, Heat operated compression. A. Katzow. 2,486,034, Oct. 25.
Registering mechanism. C. D. Ryan and E. P. Drake. 2,486,328, Oct. 25.
Regulating arrangement, Voltage. B. M. Hadfield. 2,486,155, Oct. 25.
Regulator: *See*—
Motor vehicle automatic Supercharger regulator.
speed regulator. Voltage regulator.
Relay. G. C. Armstrong. 2,486,239, Oct. 25.
Relay. J. E. Willing and G. J. Johanek. 2,486,086, Oct. 25.
Relay, Frequency responsive. J. G. Abbott. 2,485,548, Oct. 25.
Relay, Three-phase transfer. K. Mahnke. 2,486,305, Oct. 25.
Relay, Vibrator. E. M. S. McWhirter. 2,485,624, Oct. 25.
Remote control for reversing reciprocatory table drives. H. L. Brump. 2,486,107, Oct. 25.
Remote control system. C. M. Gilbert. 2,486,357, Oct. 25.
Rerecording system, Magnetic-photographic. D. L. O'Dea. 2,485,839, Oct. 25.
Resilient expansible buckle mounting. L. H. Easlick. 2,486,356, Oct. 25.
Resin for low-pressure paper base laminates and wood surfacing. D. G. Patterson. 2,486,201, Oct. 25.
Retainer and beam, Brakehead. R. Bedell. 2,485,804, Oct. 25.
Retarding mechanism, Railway car. L. M. Showers. 2,486,332, Oct. 25.

Ring: *See*—
Piston ring.
Rocket carrier. G. G. Mosteller. 2,485,909, Oct. 25.
Rod mechanism for engines and pumps, Connecting. J. Aiken. 2,486,238, Oct. 25.
Roller, Take-up. W. J. Knehnel. 2,486,179, Oct. 25.
Rotary abrading tool. B. A. Strout. 2,485,786, Oct. 25.
Rotary engine. W. Bailey. 2,485,667, Oct. 25.
Rotary grass cutter. G. A. Gentry. 2,485,729, Oct. 25.
Rotary pump. R. H. McClure. 2,485,980, Oct. 25.
Roughening means, Cotton-picker-spindle. J. D. Rust. 2,485,845, Oct. 25.
Safety clothesline hook. J. Berman. 2,486,248, Oct. 25.
Safety device, Detonator. S. H. Dike. 2,485,817, Oct. 25.
Safety device for stamping presses and the like. L. R. Dunbar. 2,485,714, Oct. 25.
Sash construction. J. T. Miller. 2,485,758, Oct. 25.
Saw, Chain. J. M. Entwisle. 2,485,962, Oct. 25.
Scanner for register regulation, Photoelectric. F. Slamar. 2,486,334, Oct. 25.
Scraper, Paraffin. G. McCray and R. H. Smith. 2,486,308, Oct. 25.
Screen: *See*—
Projection screen.
Screw clamp cable coupling. R. L. Lock. 2,485,834, Oct. 25.
Seal, Oil. A. P. Yaros. 2,486,088, Oct. 25.
Sealing means for revolving distributors of blast furnaces, Pressure. A. Mohr, Jr., and J. P. Grilli. 2,486,312, Oct. 25.
Sealing means for the joints between the movable and stationary walls of an adjustable wind tunnel nozzle. J. O. Jackson. 2,486,287, Oct. 25.
Seals, Making glass-to-metal. J. E. Beggs. 2,486,101, Oct. 25.
Seat construction, Spring. S. Overby. 2,485,650, Oct. 25.
Seat construction, Vehicle. B. D. McIntyre and C. E. Read. 2,486,048, Oct. 25.
Sector antenna switching. S. H. M. Dodington. 2,485,576, Oct. 25.
Seed extractor. W. D. Peel. 2,485,653, Oct. 25.
Selective ensyme hydrolysis. J. H. Sanders. 2,485,779, Oct. 25.
Selector, Signal controlled. H. Angel. 2,485,551, Oct. 25.
Separator: *See*—
Steam separator.
Shaping articles of methyl methacrylate resin. H. J. Lucas and F. R. Hepner. 2,485,896, Oct. 25.
Shielded spark plug. R. K. Christie. 2,485,699, Oct. 25.
Shingle, Interlocking. D. B. Ronsone. 2,486,326, Oct. 25.
Shockproof dial indicator. W. R. Kempt. 2,486,293, Oct. 25.
Shoe for wheel flange lubrication. J. E. Smith. 2,486,071, Oct. 25.
Shoe jack. C. F. Hammann. 2,485,596, Oct. 25.
Shoe protector. L. Rumpakis, J. Ivanoff, and M. D. Sussman. 2,485,923, Oct. 25.
Shore. M. E. Edvinsson. 2,486,132, Oct. 25.
Shutter with cover blade and magnetic retarding means, Photographic. M. Kaplowitz. 2,486,169, Oct. 25.
Sickle grinder, Semiautomatic. R. W. Coffeen. 2,486,119, Oct. 25.
Sight alignment attachment for surveying instruments. M. W. Braunlich. 2,485,558, Oct. 25.
Sight mount, Telescope. M. P. Buehler. 2,486,002, Oct. 25.
Signal system, Supervisory. I. N. McBain. 2,486,360, Oct. 25.
Signal type torque indicating wrench. H. R. Billeter. 2,486,103, Oct. 25.
Signaling system. R. C. Ferrar and G. Menhennett. 2,485,580, Oct. 25.
Siloxanes, Making. P. C. Servais. 2,485,928, Oct. 25.
Simultaneous dehydrogenation and hydrocarbon synthesis with fluidized catalysts in a single reactor. H. V. Atwell. 2,486,243, Oct. 25.
Ski, Convertible. R. J. Meehan. 2,485,756, Oct. 25.
Snap acting device. O. H. Kaminky. 2,486,033, Oct. 25.
Snap action mechanism. S. G. Ransome. 2,486,061, Oct. 25.
Soap bars, Making divisible. A. L. Schulerud. 2,486,213, Oct. 25.
Soap conserving press. J. N. Walker. 2,486,347, Oct. 25.
Solutions, Purification of. J. W. Newsome and J. W. Van Cleve. 2,486,318, Oct. 25.
Solvent stable metal phthalocyanine pigments and making the same. R. H. Wiswall, Jr. 2,486,351, Oct. 25.
Soybean oil composition and preparing same. C. M. Gooding, H. W. Vahlteich, and R. H. Neal. 2,485,633, Oct. 25.
Soybean oil composition and preparing same. R. H. Neal, C. M. Gooding, and H. W. Vahlteich. 2,485,631, Oct. 25.
Spacing means for cargo units. G. A. Cunnington. 2,486,125, Oct. 25.
Spare tire and wheel carrier. M. C. Kazen. 2,485,740, Oct. 25.
Spectroscope, Radio-frequency. E. R. McCoppin. 2,485,620,
Spindle, High-speed grinding. C. W. Tydeman. 2,486,227, Oct. 25.
Spindle unit. J. P. Laird. 2,486,296, Oct. 25.
Spinning collagen filaments. A. Cresswell. 2,485,958, Oct. 25.
Spit, Barbecue. J. P. Triulsi. 2,486,345, Oct. 25.
Splicing machine, Tape. E. Praisner. 2,486,204, Oct. 25.
Spreg. C. K. Davis. 2,486,262, Oct. 25.
Spreader, Manure. J. P. Seaholm. 2,486,214, Oct. 25.
Spreading device, Web. W. H. Corn. 2,486,121, Oct. 25.
Stabilized glyceridic oil compositions and preparing them. H. W. Vahlteich, C. M. Gooding, and R. H. Neal. 2,485,640, Oct. 25.
Stabilizing and guide apparatus for lifter roofs. D. E. Larson and C. Arne. 2,485,614, Oct. 25.
Staking tool. E. Burrell. 2,485,954, Oct. 25.
Starter mechanism, Spring clutch and engine. S. F. Gorske and C. P. Pepper. 2,486,149, Oct. 25.
Steam separator. W. S. Patterson. 2,485,767, Oct. 25.
Stern davit and bumper for boats. F. I. Andrade. 2,486,094, Oct. 25.
Stilt, Adjustable. B. F. Taylor. 2,486,077, Oct. 25.
Storage system, Telegraph. G. A. Locke. 2,486,302, Oct. 25.
Storing and dispensing system, Beverage. W. R. Kromer. 2,485,610, Oct. 25.
Strap-on heater. G. B. Tebo. 2,485,852, Oct. 25.
Stretching corundum crystal. E. L. McCandless and D. M. Yenni. 2,485,978, Oct. 25.
Stringing machine, Bag. E. E. West. 2,486,350, Oct. 25.
Sundae, Packaged. F. T. Moser. 2,486,194, Oct. 25.
Supercharger regulator. J. Marinelli. 2,486,047, Oct. 25.
Superfuel. R. F. Marschner. 2,485,897, Oct. 25.
Supply device, Abrasive lubricant. B. F. Paul and R. R. Wilkinson. 2,486,322, Oct. 25.
Support: *See*—
Lamp support.
Support for clotheslines and the like. J. G. Koester. 2,486,035, Oct. 25.
Surge-compensated liquid pump. A. T. Laspe and J. R. Graef. 2,485,752, Oct. 25.
Surgical appliance for bone fractures. E. E. Longfellow. 2,486,303, Oct. 25.
Switch: *See*—
Acceleration switch.
Capacitive switch.
Electronic reversing switch.
Pressure switch.
Thermostatic switch.
Switch. R. C. Ingwersen. 2,485,736, Oct. 25.
Switchboard attachment, Telephone. E. E. Roberts. 2,486,325, Oct. 25.
Switching system, Electronic. J. H. Newitt. 2,485,642, Oct. 25.
Synchronizing mechanism. J. A. Wagner. 2,486,082, Oct. 25.
Synthesis gas, Production of. M. H. Gorin and A. J. Abrams. 2,485,875, Oct. 25.
Tachometer and stroboscope, Electronic. J. D. Jordan. 2,485,888, Oct. 25.
Tail gate for vehicles. F. T. Blankenship. 2,485,546, Oct. 25.
Tank: *See*—
Emergency fuel tank.
Flush tank.
Litter roof tank.
Tank for electric boilers, Surge. H. C. Mittendorf. 2,485,762, Oct. 25.
Target, Rocket. J. B. Edson. 2,485,870, Oct. 25.
Telephone exchanges employing nonnumerical switches for interconnecting local lines, and for interconnecting local lines and trunk lines, Private automatic. J. H. Voss. 2,486,231, Oct. 25.
Telephone system, Automatic. A. C. Reid and J. M. Blackhall. 2,485,986, Oct. 25.
Terminal, Insulated. E. Mosthaf. 2,485,629, Oct. 25.
Tester for electronic discharge devices. E. R. Sanders. 2,485,924, Oct. 25.
Testing apparatus, Impulse. F. Kessler. 2,486,172, Oct. 25.
Thermocouple for concentric lines, High-frequency. W. A. Miller. 2,485,904, Oct. 25.
Thermocouple for wave guides, High-frequency. W. A. Miller. 2,485,905, Oct. 25.
Thermometer case. R. Beck. 2,485,690, Oct. 25.
Thermostat, Electric. J. M. Wilson and B. Cyr. 2,485,950, Oct. 25.
Thermostatic switch. J. Youhouse. 2,486,365, Oct. 25.
Thiocyanated phosphite esters. W E Craig and W. F. Hester. 2,485,573, Oct. 25.
Three-dimensional display device. H. H. Hutt. 2,485,830, Oct. 25.
Throttle control. C. F. Schorn and R. L. Ensinger. 2,486,212, Oct. 25.
Tobacco pipe. R. W. Simpson. 2,486,333, Oct. 25.
Tomato plant rack. J. C. Claiborne. 2,486,261, Oct. 25.
Tonsorial device. N. Holsclaw. 2,486,028, Oct. 25.
Tool: *See*—
Automatic template controlled machine tool.
Livestock tool.
Power-driven tool.
Rotary abrading tool.
Staking tool.
Tool for forcing resilient tire beads into the drop center of a wheel rim. M. M. Cook. 2,485,700, Oct. 25.
Tool head. R. M. Woytych. 2,485,799, Oct. 25.
Tool joint. J. Moon. 2,485,763, Oct. 25.
Toothbrush, Collapsible. G. S. Ridner, Sr. 2,486,062, Oct. 25.
Toy, Magnetic wheeled. C. H. Gibson. 2,486,273, Oct. 25.
Toy signal device. E. P. Lepper. 2,486,299, Oct. 25.
Toy steering wheel and gear shift. L. Solomon. 2,486,219, Oct. 25.

Toy, Tethered projectile. J. A. Terrell. 2,485,788, Oct. 25.
Traction device, Wheel. W. A. C. Angermann. 2,485,544, Oct. 25.
Tractor-trailer drive coupling. M. J. Hanlon. 2,485,878, Oct. 25.
Traffic safety light. L. C. Edwards. 2,485,719, Oct. 25.
Trailer, Boat. I. D. Vassar. 2,485,793, Oct. 25.
Trailer, Dirigible. G. D. Willet. 2,485,853, Oct. 25.
Trailer with tiltable body. J. E. Ecklund. 2,485,869, Oct. 25.
Train control system. H. P. Folker. 2,486,271, Oct. 25.
Transducer, Pressure responsive. C. Frondel. 2,486,146, Oct. 25.
Transformer. M. Silver. 2,485,666, Oct. 25.
Transformer, Ballast reactor. L. Maurer. 2,486,307, Oct. 25.
Transformer control system, Welding. D. Journeaux. 2,486,165–6, Oct. 25.
Translation of duration modulated code pulses into equal length code pulses. P. F. M. Gloess and L. J. Libois. 2,485,821, Oct. 25.
Transmission, Machine tool. E. J. Kearney. 2,486,294, Oct. 25.
Transmission, Power. R. L. Tweedale. 2,485,944, Oct. 25.
Transmission, Reversible. H. Doré. 2,485,867, Oct. 25.
Transmission system, Double-current audio-frequency telegraphic. R. P. Leroy. 2,486,041, Oct. 25.
Transporting and discharge device, Overhead sheet. R. Nebolsine. 2,486,196, Oct. 25.
Trap: *See*—
Animal trap.
Hopper trap.
Newspaper trap.
Trap hook. N. G. Gardner. 2,485,728, Oct. 25.
Tray attachment, High chair. L. M. Montoya. 2,485,907, Oct. 25.
Tray, Freezing. F. W. Sampson. 2,486,064, Oct. 25.
Treatment of tall oil and portions thereof. S. Koonce and E. Perry. 2,485,744, Oct. 25.
Tree holder. W. C. Doebling. 2,485,819, Oct. 25.
Trimmer, Shoe sole shank. L. E. Dame. 2,485,708, Oct. 25.
Trimming machine, Pineapple crown. J. Abrey, J. T. Munro, and J. T. Youd. 2,486,367, Oct. 25.
Trip rope holder. D. F. Christoffer. 2,485,702, Oct. 25.
Triple gate. C. W. Johnstone and L. P. Mautner. 2,485,886, Oct. 25.
Truck body, Wrecker. E. P. McCormick. 2,486,189, Oct. 25.
Truck, Hand. L. Bishop. 2,485,545, Oct. 25.
Truck having a forward swingable and adjustable wheeled support, Wheel. C. W. Will. 2,485,797, Oct. 25.
Truck, Snubbed. L. A. Lehrman. 2,485,972, Oct. 25.
Truck, Snubbed. L. A. Lehrman. 2,485,974, Oct. 25.
Truck, Snubbed. D. M. Light. 2,485,971, Oct. 25.
Truck, Snubbed bolster. L. A. Lehrman. 2,485,973, Oct. 25.
Truck, Snubbed car. L. A. Lehrman. 2,485,970, Oct. 25.
Truck structure, Railway. T. H. Ainsworth. 2,485,801, Oct. 25.
Tube: *See*—
Cathode-ray tube.
Collapsible tube.
Tube and circuit, Rectifier. R. C. Hilliard. 2,486,025, Oct. 25.
Tubular knob latch. A. Erkkila. 2,486,268, Oct. 25.
Tumbler for laundry, Air drying. G. A. Patterson and B. S. Kagan. 2,486,058, Oct. 25.
Tuning device for superheterodyne receivers, Unicontrol permeability. F. H. Grosdorf. 2,486,152, Oct. 25.
Turbine driven fan and supercharger, Exhaust. E. H. Polk. 2,485,655, Oct. 25.
Turning device. D. V. James. 2,486,030, Oct. 25.
Twisted paper thread and method of and apparatus for twisting the same. E. E. Lambert. 2,486,037, Oct. 25.
Twisting machinery. A. E. Welch. 2,486,349, Oct. 25.
2,4,6-trichlororesorcin, Production of. J. E. Cavelti. 2,485,502, Oct. 25.
2-methyl-4-phenylbenzothiasole and quaternary salts thereof. G. Van Zandt and L. G. S. Brooker. 2,485,679, Oct. 25.
Typewriter base, Silent. J. J. Jimenes. 2,486,032, Oct. 25.
Universal joint. A. Kost. 2,485,893, Oct. 25.
Unwind reel control. M. Michel. 2,485,757, Oct. 25.
Uranium and vanadium from ores, Recovery of. A. Pacyna. 2,485,841, Oct. 25.
Valve: *See*—
Differential anesthesia valve.
Expansion valve.
Hydraulic valve.
Plug cock valve.
Valve. F. J. Eichelman. 2,486,011, Oct. 25.
Valve. J. Jerome. 2,486,164, Oct. 25.
Valve. W. J. Shields. 2,486,215, Oct. 25.
Valve and system for evaporative coolers, Water control. A. S. Feinberg. 2,486,138, Oct. 25.
Valve device, Air compressor. T. E. Crockett. 2,486,124, Oct. 25.
Valve device for fluid operated brakes, Holding. C. M. Jameson. 2,486,289, Oct. 25.
Valve position indicator. R. R. P. Turner. 2,485,942, Oct. 25.
Valve stem puller. F. D. Webster. 2,486,084, Oct. 25.
Vest, Clerical. V. T. Hauer. 2,485,828, Oct. 25.
Vinyl chloride-containing resin stabilized with propylene glycol diricinoleate. R. R. Lawrence. 2,486,182, Oct. 25.
Vise having a toothed nut and displaceable ratchet for quick opening, Screw operated. R. M. Nelson. 2,485,641, Oct. 25.
Voltage regulator. W. H. Bixby. 2,486,250, Oct. 25.
Wall structure, Blast furnace. G. Wehr. 2,486,348, Oct. 25.
Wash box and tar separator of water-gas manufacturing machines. G. T. Macbeth. 2,485,835, Oct. 25.
Washing device, Gas. W. W. Johnstone. 2,485,739, Oct. 25.
Washing equipment, Pipe. J. Schechter. 2,485,780, Oct. 25.
Washing machine. J. W. McNairy. 2,485,621, Oct. 25.
Wave-signal amplitude-limiting system. W. J. Gruen. 2,485,731, Oct. 25.
Welding apparatus, Spot. R. A. Shields. 2,486,331, Oct. 25.
Welding electrode holder. B. M. v. Amelsvoort. 2,486,092, Oct. 25.
Welding generator safety circuit. H. J. Graham. 2,486,274, Oct. 25.
Welding percussive. W. J. Trott. 2,485,790, Oct. 25.
Winder, Cord. M. L. Jurasevich. 2,486,167, Oct. 25.
Winding machine. C. D. Jencks. 2,486,031, Oct. 25.
Window and blind construction. K. W. Browning. 2,486,000, Oct. 25.
Wine bung. T. J. Adams. 2,486,237, Oct. 25.
Wire connection, Electric. F. A. Chiuchiolo. 2,486,115, Oct. 25.
Wire testing, Insulated electric. J. L. Entwistle. 2,485,871, Oct. 25.
Wrapping machine, Roll. E. M. Costello. 2,485,865, Oct. 25.
Wrench: *See*—
Signal type torque indicating wrench.
Wrench with attached bar-handle, Socket. W. E. and D. E. Haist. 2,486,022, Oct. 25.
Wrinkle finish. W. A. Waldie. 2,486,232, Oct. 25.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 25, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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